

Offering Circular Supplement  
(To Offering Circular  
Dated December 22, 2020)

**\$869,203,000**  
(Approximate)



# Freddie Mac

## Structured Pass-Through Certificates (SPCs) Series K-F117

**Offered Classes:** Classes of SPCs shown below  
**Underlying Classes:** Each Class of SPCs represents a pass-through interest in a separate class of securities issued by the Underlying Trust  
**Underlying Trust:** FREMF 2021-KF117 Mortgage Trust  
**Mortgages:** SOFR-based floating-rate, multifamily mortgages  
**Underlying Originators:** Bellwether Enterprise Real Estate Capital, LLC, Berkadia Commercial Mortgage LLC, Berkeley Point Capital LLC, d/b/a Newmark Knight Frank, Capital One, National Association, CBRE Capital Markets, Inc., Grandbridge Real Estate Capital LLC, Greystone Servicing Company LLC, JLL Real Estate Capital, LLC, ORIX Real Estate Capital, LLC, Walker & Dunlop, LLC and Wells Fargo Bank, National Association  
**Underlying Seller:** Freddie Mac  
**Underlying Depositor:** Credit Suisse First Boston Mortgage Securities Corp.  
**Underlying Master Servicer:** Wells Fargo Bank, National Association  
**Underlying Special Servicer:** KeyBank National Association  
**Underlying Trustee:** Citibank, N.A.  
**Underlying Certificate Administrator and Custodian:** Citibank, N.A.  
**Payment Dates:** Monthly beginning in August 2021  
**Optional Termination:** The Underlying Trust is subject to certain liquidation rights, as described in this Supplement; the SPCs are not subject to a clean-up call right  
**Form of SPCs:** Book-entry on DTC System  
**Placement Agents:** The managers named below  
**Offering Terms:** The Placement Agents are offering the SPCs in negotiated transactions at varying prices, and in accordance with the selling restrictions set forth in *Appendix A*; it is expected that we will purchase all or a portion of XS  
**Closing Date:** On or about July 29, 2021

Class	Initial Principal Balance or Notional Amount <sup>(1)</sup>	Class Coupon	CUSIP Number	Final Payment Date
AS.....	\$869,203,000	(2)	3137H1LV6	June 25, 2031
XS.....	469,839,500	(2)	3137H1LW4	July 25, 2031

(1) Approximate. May vary by up to 5%.  
(2) See *Terms Sheet — Interest*.

The SPCs may not be suitable investments for you. You should not purchase SPCs unless you have carefully considered and are able to bear the associated prepayment, interest rate, yield and market risks of investing in them. *Certain Risk Considerations* on page S-2 highlights some of these risks.

You should purchase SPCs only if you have read and understood this Supplement, our Giant and Other Pass-Through Certificates (Multifamily) Offering Circular dated December 22, 2020 (the “**Offering Circular**”) and the other documents identified under *Available Information*.

We guarantee certain principal and interest payments on the SPCs. These payments are not guaranteed by, and are not debts or obligations of, the United States or any federal agency or instrumentality other than Freddie Mac. The SPCs are not tax-exempt. Because of applicable securities law exemptions, we have not registered the SPCs with any federal or state securities commission. No securities commission has reviewed this Supplement. We have not engaged any rating agency to rate the SPCs.

*Co-Lead Managers and Joint Bookrunners*

**Credit Suisse**

**PNC Capital Markets LLC**

*Co-Managers*

**Goldman Sachs & Co. LLC**

**Mizuho Securities**

**Ramirez & Co., Inc.**

**Wells Fargo Securities**

**July 20, 2021**

## CERTAIN RISK CONSIDERATIONS

Although we guarantee the payments on the SPCs, and so bear the associated credit risk, as an investor you will bear the other risks of owning mortgage securities, including prepayment, basis, termination, interest rate, yield and market risks. The SPCs are complex securities and may not be suitable investments for you. This section highlights some of these risks. You should also read *Risk Factors and Prepayment, Yield and Suitability Considerations* in the Offering Circular and *Summary of Risk Factors and Risk Factors* in the Information Circular for further discussions of these risks.

**Prepayments Can Reduce the Yield on AS and XS.** Your yield could be lower than you expect if:

- You buy AS at a premium over its principal balance, or if you buy XS, and prepayments on the Mortgages are faster than you expect.
- You buy AS at a discount to its principal balance and prepayments on the Mortgages are slower than you expect.

Rapid prepayments on the Mortgages, especially those with relatively high interest rate margins over **SOFR** (or the **Alternate Index**, if applicable), would reduce the yields on AS and XS, and because XS is an Interest Only Class, could even result in the failure of investors in that Class to recover their investment. If the Underlying Trust is terminated, the effect on the SPCs will be similar to a full prepayment of all the Mortgages.

If the holders of a majority interest in XS (initially expected to be Freddie Mac) exercise their right to direct waivers of the borrowers' obligations to pay **Static Prepayment Premiums** in connection with prepayments of Mortgages, the borrowers would have an incentive to prepay their Mortgages, which could result in the Mortgages experiencing a higher than expected rate of prepayments. See *Payments — Static Prepayment Premiums* in this Supplement.

**SOFR Levels Can Reduce the Yield on AS.** If you buy AS, your yield could be lower than you expect if SOFR (or the Alternate Index, if applicable) levels are lower than you expect. In addition, see *Risk Factors — Risks Related to the Underlying Mortgage Loans — Changes to, or the Elimination of, SOFR, or the Conversion of SOFR to an Alternate Index, Could Adversely Affect the Market Value or Liquidity of the Offered Certificates* in the Information Circular.

**The SPCs are Subject to Basis Risk.** The Class Coupon of AS is subject to a cap based on, and the Class Coupon of XS is based on, the **Weighted Average Net Mortgage Pass-Through Rate**. As a result, the SPCs will be subject to basis risk, which may reduce their yields. The yields on AS and XS could be lower than you expect if the Weighted Average Net Mortgage Pass-Through Rate of the Mortgages is lower than you expect. See *Risk Factors — Risks Related to the Offered Certificates — The Yield on the Class AS Certificates Will Be Affected By Your Purchase Price, the Rate of Principal Payments on the Loans and Changes in the Levels of SOFR* in the Information Circular.

You May Not be Able to Resell your SPCs. The placement agents named on the front cover (the "**Placement Agents**") intend to deliver the SPCs on our behalf to third party purchasers (except it is expected that we will purchase all or a portion of XS); however, if the SPCs are not placed with third parties, they will be resold to us by the Placement Agents.

**The SPCs Will Not Be Rated.** The SPCs will not be rated by any **NRSRO** (unless an NRSRO issues an unsolicited rating), which may adversely affect the ability of an investor to purchase or retain, or otherwise impact the liquidity, market value and regulatory characteristics of, the SPCs.

**Payments of Additional Interest Accrual Amounts will Reduce the Yield of XS.** The yield of XS will be reduced to the extent that **Additional Interest Accrual Amounts** are required to be paid to the series 2021-KF117 class CS certificates from amounts otherwise payable to the series 2021-KF117 class XS certificates. See *Description of the Certificates — Distributions — Interest Distributions* in the Information Circular.

**The Yield on the SPCs Will Be Sensitive to Actions of the Holders of a Majority Interest in XS.**

The yield to maturity on AS, if purchased at a discount or a premium, will be sensitive to any election by holders of a majority interest in XS to waive payments of Static Prepayment Premiums. Such waivers would tend to increase the rate of prepayments on the Mortgages, which would result in a faster than anticipated reduction in the outstanding principal balance of AS. The yield to maturity on XS will also be sensitive to such waivers. Such waivers would reduce the amount of Static Prepayment Premiums payable to XS and, to the extent such waivers result in a faster than anticipated reduction in the total outstanding principal balance of AS and the series 2021-KF117 class CS certificates, will result in a faster than anticipated reduction in the notional amount of XS. See *Description of the Underlying Mortgage Loans — Certain Terms and Conditions of the Underlying Mortgage Loans — Prepayment Provisions* in the Information Circular.

## TERMS SHEET

**This Terms Sheet contains selected information about this Series. You should refer to the remainder of this Supplement and to the Offering Circular and the attached Information Circular for further information.**

The Offering Circular defines many of the terms we use in this Supplement. The Underlying Depositor's Information Circular dated the same date as this Supplement (the "**Information Circular**"), attached to this Supplement, defines terms that appear in **bold type** on their first use and are not defined in this Supplement or the Offering Circular.

*In this Supplement, we sometimes refer to Classes of SPCs only by their letter designation. For example, "AS" refers to the AS Class of this Series.*

### General

Each Class of SPCs represents the entire undivided interest in a separate pass-through pool. Each pass-through pool consists of a class of securities (each, an "**Underlying Class**") issued by the Underlying Trust. Each Underlying Class has the same designation as its corresponding Class of SPCs. Each Mortgage is a floating-rate, multifamily balloon mortgage loan that provides for (1) an amortization schedule that is significantly longer than its remaining term to stated maturity or no amortization prior to stated maturity; and (2) a substantial payment of principal on its maturity date. Each Mortgage bears interest at a rate based on SOFR plus a spread.

In addition to the Underlying Classes, the Underlying Trust is issuing two other classes of securities: the series 2021-KF117 class CS and class R certificates (the Underlying Trust is not issuing class BS certificates).

### Interest

AS will bear interest at a Class Coupon equal to the lesser of:

- SOFR plus 0.24000%; and
- the Weighted Average Net Mortgage Pass-Through Rate minus the Guarantee Fee Rate

*(provided that in no event will the Class Coupon of AS be less than zero; and provided, further, that upon the occurrence of a **Certificate Index Conversion Event**, the **Index** used in calculating the Class Coupon of AS will convert to an Alternate Index). See *Description of the Certificates — Distributions — Calculation of Pass-Through Rates* in the Information Circular.*

XS will bear interest at a Class Coupon equal to the interest rate of its Underlying Class, which is equal to the product of (i) the weighted average of the **Class XS Strip Rates** and (ii) the **Reduction Factor**, as described in the Information Circular. The interest payable to XS on any Payment Date will be reduced by the amount of any Additional Interest Accrual Amounts distributed to the series 2021-KF117 class CS certificates on the related Payment Date as described under *Description of the Certificates — Distributions — Interest Distributions* in the Information Circular.

Accordingly, the Class Coupons of AS and XS will vary from month to month. The initial Class Coupon of AS is approximately 0.26733% per annum, based on SOFR for the first **Interest Accrual Period** of 0.02733% per annum. The initial Class Coupon of XS is approximately 2.69632% per annum after giving effect to any payments of Additional Interest Accrual Amounts.

See *Payments — Interest* in this Supplement and *Description of the Underlying Mortgage Loans — Certain Terms and Conditions of the Underlying Mortgage Loans — Mortgage Interest Rates; Calculations of Interest* and *Description of the Certificates — Distributions — Calculation of Pass-Through Rates* in the Information Circular.

### **Interest Only (Notional) Class**

XS will not receive principal payments. To calculate interest payments, XS has a notional amount equal to (i) the sum of the then-current principal balance of Underlying Class AS and the then-current principal balance of the series 2021-KF117 class CS certificates divided by (ii) the Reduction Factor.

For more specific information with respect to Underlying Class XS, see *Description of the Certificates—Distributions—Interest Distributions* in the Information Circular.

### **Principal**

On each Payment Date, we pay principal on AS in an amount equal to the principal, if any, required to be paid on that Payment Date on Underlying Class AS.

See *Payments — Principal* and *Prepayment and Yield Analysis* in this Supplement and *Description of the Certificates — Distributions — Principal Distributions* in the Information Circular.

### **Static Prepayment Premiums**

Any Static Prepayment Premium received in respect of any of the Mortgages will be distributed to Underlying Class XS, as described under *Description of the Certificates — Distributions — Distributions of Static Prepayment Premiums* in the Information Circular. Any Static Prepayment Premiums distributed to Underlying Class XS will be passed through to XS.

Holdings representing a majority interest in XS will have the right, in their sole discretion, to direct the Underlying Master Servicer or the Underlying Special Servicer, as applicable, to waive any obligation of the related borrower to pay a Static Prepayment Premium in connection with any prepayment of a Mortgage. Freddie Mac is expected to be the initial holder of XS. We may be more likely to direct a waiver of a Static Prepayment Premium for a Mortgage in certain circumstances, such as if the prepayment will be made in connection with a refinancing of such Mortgage that meets certain conditions. See *Description of the Underlying Mortgage Loans — Certain Terms and Conditions of the Underlying Mortgage Loans — Prepayment Provisions* in the Information Circular.

### **Federal Income Taxes**

If you own a Class of SPCs, you will be treated for federal income tax purposes as owning an undivided interest in the related Underlying Class. Underlying Class AS represents ownership in a REMIC “regular interest.” Underlying Class XS represents ownership in a REMIC “regular interest” and the obligation to pay the Additional Interest Accrual Amounts.

See *Certain Federal Income Tax Consequences* in this Supplement, in the Offering Circular and in the Information Circular.

### **Weighted Average Lives**

The Information Circular shows the weighted average lives and declining principal balances for Underlying Class AS, and the weighted average lives and pre-tax yields for Underlying Class XS, in each case, based on the assumptions described in the Information Circular. The weighted average lives,

declining principal balances and pre-tax yields, as applicable, for AS and XS would be the same as those shown in the Information Circular for its corresponding Underlying Class, based on these assumptions. However, these assumptions are likely to differ from actual experience in many cases.

See *Yield and Maturity Considerations — Weighted Average Life of the Class AS Certificates, — Yield Sensitivity of the Class XS Certificates* and Exhibits D and E in the Information Circular.

## AVAILABLE INFORMATION

You should purchase SPCs only if you have read and understood:

- This Supplement.
- The Offering Circular.
- The attached Information Circular.
- The Incorporated Documents listed under *Additional Information* in the Offering Circular.

This Supplement incorporates the Offering Circular, including the Incorporated Documents, by reference. When we incorporate documents by reference, that means we are disclosing information to you by referring to those documents rather than by providing you with separate copies. The Offering Circular, including the Incorporated Documents, is considered part of this Supplement. Information that we incorporate by reference will automatically update information in this Supplement. You should rely only on the most current information provided or incorporated by reference in this Supplement.

You may read and copy any document we file with the SEC at the SEC's public reference room at 100 F Street, N.E., Washington, D.C. 20549. Please call the SEC at 1-800-SEC-0330 for further information on the public reference room. The SEC also maintains a website at <http://www.sec.gov> that contains reports, proxy and information statements, and other information regarding companies that file electronically with the SEC.

You can obtain, without charge, copies of the Offering Circular, including the Incorporated Documents, any documents we subsequently file with the SEC, the Multifamily Pass-Through Trust Agreement and current information concerning the SPCs, as well as the disclosure documents and current information for any other securities we issue, from:

<p><b>Freddie Mac — Investor Inquiry</b> <b>1551 Park Run Drive, Mailstop D50</b> <b>McLean, Virginia 22102-3110</b> <b>Telephone: 1-800-336-3672</b> <b>((571) 382-4000 within the Washington, D.C. area)</b> <b>E-mail: <a href="mailto:Investor_Inquiry@freddiemac.com">Investor_Inquiry@freddiemac.com</a></b></p>
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We also make these documents available on our internet website at this address:

**Internet Website\*: [www.freddiemac.com](http://www.freddiemac.com)**

The multifamily investors section of the website (initially located at <https://mf.freddiemac.com/investors/>) will also be updated, from time to time, with any information on material developments or other events that may be important to investors. You should access this website on a regular basis for such updated information.

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\* We are providing this internet address solely for the information of investors. We do not intend this internet address to be an active link and we are not using references to this address to incorporate additional information into this Supplement, except as specifically stated in this Supplement.

You can also obtain the documents listed above from the Placement Agents named below at:

Credit Suisse Securities (USA) LLC  
Prospectus Department  
11 Madison Avenue  
New York, New York 10010-3629  
(212) 325-2580

PNC Capital Markets LLC  
Attn: Settlements Team  
116 Allegheny Center  
Mailstop P8-YB 35-02-8  
Pittsburgh, Pennsylvania 15212  
secsett@pnc.com  
855-881-0697

**The Underlying Depositor has prepared the Information Circular in connection with its sale of the Underlying Classes to us. The Underlying Depositor is responsible for the accuracy and completeness of the Information Circular, and we do not make any representations that it is accurate or complete.**

## GENERAL INFORMATION

### **Multifamily Pass-Through Trust Agreement**

We will form a trust fund to hold the Underlying Classes and to issue the SPCs, each pursuant to the Multifamily Pass-Through Certificates Master Trust Agreement dated February 23, 2017, as amended by an Amendment dated March 1, 2019, and a Terms Supplement dated the Closing Date (together, the “**Multifamily Pass-Through Trust Agreement**”). We will act as Trustee and Administrator under the Multifamily Pass-Through Trust Agreement.

You should refer to the Multifamily Pass-Through Trust Agreement for a complete description of your rights and obligations and those of Freddie Mac. You will acquire your SPCs subject to the terms and conditions of the Multifamily Pass-Through Trust Agreement, including the Terms Supplement.

### **Form of SPCs**

The SPCs are issued, held and transferable on the DTC System. DTC or its nominee is the Holder of each Class. As an investor in SPCs, you are not the Holder. See *Description of Pass-Through Certificates — Form, Holders and Payment Procedures* in the Offering Circular.

### **Denominations of SPCs**

AS will be issued, and may be held and transferred, in minimum original principal amounts of \$1,000 and additional increments of \$1. XS will be issued, and may be held and transferred, in minimum original notional principal amounts of \$100,000 and additional increments of \$1.

### **Structure of Transaction**

#### *General*

Each Class of SPCs represents the entire interest in a pass-through pool consisting of its corresponding Underlying Class. Each Underlying Class represents an interest in the Underlying Trust formed by the Underlying Depositor. The Underlying Trust consists primarily of the Mortgages described under *Description of the Underlying Mortgage Loans* in the Information Circular. Each Class of SPCs receives the payments of principal, interest and/or Static Prepayment Premiums, as applicable, required to be made on its corresponding Underlying Class.

In addition to the Underlying Classes, the Underlying Trust is issuing two other classes, which are subordinate to Underlying Classes AS and XS to the extent described in the Information Circular. These additional classes will not be assets underlying the Classes of SPCs offered hereby. The pooling and servicing agreement for the Underlying Trust (the “**Pooling Agreement**”) governs the Underlying Classes and these additional classes.

Each Underlying Class will bear interest at the same rate, and at all times will have the same principal balance or notional amount, as its corresponding Class of SPCs. On the Closing Date, we will acquire the Underlying Classes from the Underlying Depositor. We will hold the Underlying Classes in certificated form on behalf of investors in the SPCs.

See *Description of Pass-Through Certificates — Structured Pass-Through Certificates* in the Offering Circular.

#### *Credit Enhancement Features of the Underlying Trust*

Underlying Classes AS and XS will have a payment priority over the series 2021-KF117 class CS certificates issued by the Underlying Trust to the extent described in the Information Circular. Subordination is designed to provide the holders of those Underlying Classes with protection against most losses realized when the remaining unpaid amount on a Mortgage exceeds the amount of net proceeds recovered upon the liquidation of that Mortgage. In general, this is accomplished by allocating the Realized Losses first to the series 2021-KF117 class CS certificates, as described in the Information Circular. See *Description of the Certificates — Distributions — Subordination* in the Information Circular.

Upon the occurrence and continuation of a **Waterfall Trigger Event**, Underlying Class AS will receive all of the principal payments on the Mortgages until it is retired. Underlying Class AS will also always receive the principal payments on certain **Specially Serviced Mortgage Loans** until it is retired. Thereafter, the series 2021-KF117 class CS certificates will be entitled to such principal payments. Because of losses on the Mortgages and/or default-related or other unanticipated expenses of the Underlying Trust, the principal balance of the series 2021-KF117 class CS certificates could be reduced to zero at a time when Underlying Class AS remains outstanding. See *Description of the Certificates — Distributions — Principal Distributions* and — *Priority of Distributions* in the Information Circular.

#### *The Underlying Classes Will Not Be Rated*

None of the Underlying Classes will be rated by an NRSRO (unless an NRSRO issues an unsolicited rating). See *Risk Factors — Risks Related to the Offered Certificates — The Certificates Will Not Be Rated* in the Information Circular.

## **The Mortgages**

The Mortgages consist of 61 SOFR-based floating-rate mortgage loans, secured by 61 multifamily properties, including 2 manufactured housing community properties. The loan documents for all of the Mortgages provide that such Mortgages will convert from an interest rate based on SOFR to an interest rate based on an Alternate Index if a **Loan Index Conversion Event** occurs. The Mortgages will have an initial mortgage pool balance of approximately \$939,679,000 as of July 1, 2021. All of the Mortgages are **Balloon Loans**.

The Mortgage securing the **Non-Serviced Loan** also secures the related **Non-Serviced Companion Loan**, which is not included in the Underlying Trust. The Non-Serviced Loan and the Non-Serviced Companion Loan are *pari passu* in right of payment to the extent set forth in the **Co-Lender Agreement**, and will be serviced under the **Non-Serviced Companion Loan PSA**. See *Description of the Underlying Mortgage Loans — The Non-Serviced Whole Loan* in the Information Circular.

One Mortgage representing 10.9% of the initial mortgage pool balance does not provide for any amortization prior to its scheduled maturity date; and Mortgages representing 89.1% of the initial mortgage pool balance provide for an interest-only period of between 36 and 60 months following origination, followed by amortization for the balance of the loan term. See *Description of the Underlying Mortgage Loans — Certain Terms and Conditions of the Underlying Mortgage Loans — Additional Amortization Considerations* in the Information Circular.

With respect to all of the Mortgages, the loan documents set out a period of time during which each related borrower may prepay its entire Mortgage without payment of a Static Prepayment Premium, *provided* that such Mortgage is prepaid using the proceeds of certain types of Freddie Mac mortgage loans that are the subject of a binding purchase commitment between Freddie Mac and a Freddie Mac Optigo® Seller/Servicer. See *Description of the Underlying Mortgage Loans — Certain Terms and Conditions of the Underlying Mortgage Loans — Prepayment Provisions* in the Information Circular.

*Description of the Underlying Mortgage Loans* and *Exhibits A-1, A-2 and A-3* in the Information Circular further describe the Mortgages.

### **Credit Risk Retention**

Freddie Mac, as the sponsor of the securitization in which the SPCs are to be issued, will satisfy its credit risk retention requirement under the Credit Risk Retention Rule of the Federal Housing Finance Agency (“FHFA”) at 12 C.F.R. Part 1234 pursuant to Section 1234.8 thereof. Freddie Mac is currently operating under the conservatorship of the FHFA with capital support from the United States and will fully guarantee the timely payment of principal and interest on all the SPCs.

## **PAYMENTS**

### **Payment Dates; Record Dates**

We make payments of principal and interest on the SPCs on each Payment Date, beginning in August 2021. A “**Payment Date**” is the 25th of each month or, if the 25th is not a **Business Day**, the next Business Day.

On each Payment Date, DTC credits payments to the DTC Participants that were owners of record at the close of business on the last Business Day of the prior calendar month.

### **Method of Payment**

The Registrar makes payments to DTC in immediately available funds. DTC credits payments to the accounts of DTC Participants in accordance with its normal procedures. Each DTC Participant, and each other financial intermediary, is responsible for remitting payments to its customers.

### **Interest**

#### *General*

We pay interest on each Payment Date on AS and XS. AS and XS bear interest as described under *Terms Sheet — Interest* in this Supplement. For more specific information on interest distributions to the Underlying Classes, see *Description of the Certificates — Distributions — Interest Distributions* in the Information Circular.

### *Accrual Period*

The “**Accrual Period**” for each Payment Date is the period beginning on and including the 25<sup>th</sup> day of the month preceding the month in which such Payment Date occurs (or beginning on and including the Closing Date, in the case of the first Payment Date) and ending on and including the 24<sup>th</sup> day of the month in which such Payment Date occurs.

We calculate interest based on an Actual/360 Basis.

### **Principal**

We pay principal on each Payment Date on AS to the extent principal is payable on Underlying Class AS. Investors receive principal payments on a *pro rata* basis among the SPCs of their Class. See *Terms Sheet — Principal* in this Supplement and *Description of the Certificates — Distributions — Priority of Distributions* and *— Principal Distributions* in the Information Circular.

### **Static Prepayment Premiums**

Any Static Prepayment Premium received in respect of any of the Mortgages will be distributed to Underlying Class XS, as described under *Description of the Certificates — Distributions — Distributions of Static Prepayment Premiums* in the Information Circular. Any Static Prepayment Premiums distributed to Underlying Class XS will be passed through to XS.

Our guarantee does not cover the payment of any Static Prepayment Premiums or any other prepayment premiums related to the Mortgages.

Holders representing a majority interest in XS will have the right, in their sole discretion, to direct the Underlying Master Servicer or the Underlying Special Servicer, as applicable, to waive any obligation of the related borrower to pay a Static Prepayment Premium in connection with any prepayment of a Mortgage. Freddie Mac is expected to be the initial holder of XS. We may be more likely to direct a waiver of a Static Prepayment Premium for a Mortgage in certain circumstances, such as if the prepayment will be made in connection with a refinancing of such Mortgage that meets certain conditions. See *Description of the Underlying Mortgage Loans — Certain Terms and Conditions of the Underlying Mortgage Loans — Prepayment Provisions* in the Information Circular.

### **Class Factors**

#### *General*

We make Class Factors for the Classes of SPCs available on or about the fourth Business Day of each month after the Closing Date. For further information regarding Class Factors, see *Description of Pass-Through Certificates — Payments — Class Factors* in the Offering Circular.

#### *Use of Factors*

You can calculate principal and interest payments by using the Class Factors.

For example, the reduction in the balance of a Class in February will equal its original balance times the difference between its January and February Class Factors. The amount of interest to be paid on a Class in February will equal interest at its Class Coupon, accrued during the related Accrual Period, on its balance determined by its January Class Factor.

## Guarantees

We guarantee to the Holders of SPCs (a) the timely payment of interest at their Class Coupons; (b) the payment of principal on AS, on the Payment Date immediately following the maturity date of each Balloon Loan (to the extent of principal on such Class of SPCs that would have been payable from such Balloon Loan); (c) the reimbursement of any Realized Losses (including as a result of **Additional Issuing Entity Expenses**) allocated to AS; and (d) the ultimate payment of principal on AS by the Final Payment Date of such Class. Our guarantee does not cover (i) any loss of yield on XS due to payment of Additional Interest Accrual Amounts to the series 2021-KF117 class CS certificates or due to a reduction of its notional amount due to a reduction of the principal balance of AS or of the series 2021-KF117 class CS certificates, or (ii) the payment of Static Prepayment Premiums or any other prepayment premiums related to the Mortgages or the payment of Additional Interest Accrual Amounts to the series 2021-KF117 class CS certificates. See *Description of Pass-Through Certificates — Guarantees in the Offering Circular* and *Description of the Certificates — Distributions — Freddie Mac Guarantee* in the Information Circular.

## Optional Termination

The **Controlling Class Majority Holder**, but excluding Freddie Mac (as defined in the Information Circular), the Underlying Special Servicer and the Underlying Master Servicer each will have the option, in that order, to purchase the Mortgages and the Underlying Trust's interests in all other trust property and terminate the Underlying Trust on any Payment Date on which the total **Stated Principal Balance** of the Mortgages is less than 1% of the initial mortgage pool balance. In addition, with the satisfaction of the conditions set forth in the proviso to the definition of "Sole Certificateholder" in the Information Circular and with the consent of the Underlying Master Servicer, the **Sole Certificateholder** for the Underlying Trust (excluding Freddie Mac (as defined in the Information Circular)) will have the right to exchange all of its certificates issued by the Underlying Trust (other than the series 2021-KF117 class R certificates) for all of the Mortgages and the Underlying Trust's interests in **REO Properties**, resulting in the liquidation of the Underlying Trust. See *The Pooling and Servicing Agreement — Termination* in the Information Circular.

If a termination of the Underlying Trust occurs, AS will receive its unpaid principal balance, if any, plus interest for the related Accrual Period. We will give notice of termination to Holders not later than the fifth Business Day of the month in which the termination will occur, and each Class Factor we publish in that month will equal zero.

The SPCs are not subject to a clean-up call right.

## PREPAYMENT AND YIELD ANALYSIS

### Mortgage Prepayments

The rate of principal payments on AS, and the rate of reduction in the notional amount of XS will depend primarily on the rates of principal payments, including prepayments, on the Mortgages. Each Mortgage may be prepaid, subject to certain restrictions and requirements, including one of the following:

- a prepayment lockout period during which voluntary principal prepayments are prohibited, followed by one or more prepayment consideration periods during which voluntary principal prepayments must be accompanied by a Static Prepayment Premium, followed by an open prepayment period prior to maturity during which voluntary principal prepayments may be made without payment of any prepayment consideration; or

- one or more prepayment consideration periods during which voluntary principal prepayments are restricted by requiring that any voluntary principal prepayment made be accompanied by a Static Prepayment Premium, followed by an open prepayment period prior to maturity during which voluntary principal prepayments may be made without payment of any prepayment consideration.

In addition, with respect to all of the Mortgages, the loan documents set out a period of time during which each related borrower may prepay its entire Mortgage without payment of a Static Prepayment Premium, *provided* that such Mortgage is prepaid using the proceeds of certain types of Freddie Mac mortgage loans that are the subject of a binding purchase commitment between Freddie Mac and a Freddie Mac Optigo<sup>®</sup> Seller/Servicer. See *Description of the Underlying Mortgage Loans — Certain Terms and Conditions of the Underlying Mortgage Loans — Prepayment Provisions* in the Information Circular.

Mortgage prepayment rates may fluctuate continuously and, in some market conditions, substantially.

See *Prepayment, Yield and Suitability Considerations — Prepayments* in the Offering Circular for a discussion of mortgage prepayment considerations and risks. *Risk Factors, Description of the Underlying Mortgage Loans* and *Yield and Maturity Considerations* in the Information Circular discuss prepayment considerations for the Underlying Classes.

## **Yield**

As an investor in SPCs, your yield will depend on:

- Your purchase price.
- The rate of principal payments on the Mortgages, particularly those with relatively high interest rate margins over SOFR (or the Alternate Index, if applicable).
- Whether an optional termination of the Underlying Trust occurs.
- The actual characteristics of the Mortgages.
- With respect to AS, the level of SOFR (or the Alternate Index, if applicable).
- The extent to which the Class Coupon formula of your Class of SPCs results in reductions or increases in its Class Coupon.
- Whether a Waterfall Trigger Event, or any other event that results in principal being distributed sequentially, occurs and is continuing.
- Whether Additional Interest Accrual Amounts are distributed to the series 2021-KF117 class CS certificates from amounts otherwise payable to Underlying Class XS.
- Collection and payment, or waiver by the holders of a majority interest in XS, of Static Prepayment Premiums with respect to the Mortgages.

See *Prepayment, Yield and Suitability Considerations — Yields* in the Offering Circular for a discussion of yield considerations and risks.

## **Suitability**

The SPCs may not be suitable investments for you. See *Prepayment, Yield and Suitability Considerations — Suitability* in the Offering Circular for a discussion of suitability considerations and risks.

## **FINAL PAYMENT DATES**

The Final Payment Date for each Class of SPCs is the latest date by which it will be paid in full and will retire. The Final Payment Dates for AS and XS generally reflect the maturity dates of the Mortgages and assume, among other things, no prepayments or defaults on the Mortgages. The actual retirement of each Class may occur earlier than its Final Payment Date.

## **CERTAIN FEDERAL INCOME TAX CONSEQUENCES**

### **General**

The following is a general discussion of federal income tax consequences of the purchase, ownership and disposition of the Classes of SPCs. It does not address all federal income tax consequences that may apply to particular categories of investors, some of which may be subject to special rules. The tax laws and other authorities for this discussion are subject to change or differing interpretations, and any change or interpretation could apply retroactively. You should consult your tax advisor to determine the federal, state, local and any other tax consequences that may be relevant to you.

Neither the SPCs nor the income derived from them is exempt from federal income, estate or gift taxes under the Code by virtue of the status of Freddie Mac as a government-sponsored enterprise. Neither the Code nor the Freddie Mac Act contains an exemption from taxation of the SPCs or the income derived from them by any state, any possession of the United States or any local taxing authority.

### **Classification of Investment Arrangement**

The arrangement under which each Class of SPCs is created and sold and the related pass-through pool is administered will be classified as a grantor trust under subpart E, part I of subchapter J of the Code. As an investor in SPCs, you will be treated for federal income tax purposes as the owner of a *pro rata* undivided interest in the related Underlying Class.

### **Status of Classes**

Upon the issuance of the Underlying Classes, Cadwalader, Wickersham & Taft LLP, counsel for the Underlying Depositor, will deliver its opinion generally to the effect that, assuming compliance with all the provisions of the Pooling Agreement and certain other documents:

- Specified portions of the assets of the Underlying Trust will qualify as multiple REMICs under the Code.
- Underlying Class AS will represent ownership of a “regular interest” in one of those REMICs.
- Underlying Class XS (exclusive of its obligation to pay Additional Interest Accrual Amounts) will represent ownership of a “regular interest” in one of those REMICs.

Accordingly, an investor in AS will be treated as owning a regular interest in a REMIC. An investor in XS will be treated as owning a regular interest in a REMIC and will be treated as having an obligation to pay Additional Interest Accrual Amounts.

For information regarding the federal income tax consequences of investing in an Underlying Class, see *Certain Federal Income Tax Consequences* in the Information Circular.

### **Information Reporting**

Within a reasonable time after the end of each calendar year, we will furnish or make available to each Holder of each Class of SPCs such information as Freddie Mac deems necessary or desirable to assist beneficial owners in preparing their federal income tax returns, or to enable each Holder to make such information available to beneficial owners or financial intermediaries for which the Holder holds such SPCs as nominee.

### **LEGAL INVESTMENT CONSIDERATIONS**

You should consult your legal advisor to determine whether the SPCs are a legal investment for you and whether you can use the SPCs as collateral for borrowings. See *Legal Investment Considerations* in the Offering Circular.

### **ACCOUNTING CONSIDERATIONS**

You should consult your accountant for advice on the appropriate accounting treatment for your SPCs. See *Accounting Considerations* in the Offering Circular.

### **ERISA CONSIDERATIONS**

Fiduciaries of employee benefit plans should review *ERISA Considerations* in the Offering Circular.

In addition, because the Underlying Trust, the Underlying Originators, the Underlying Seller, the Underlying Depositor, the Underlying Master Servicer, the Underlying Special Servicer, any sub-servicer, the Underlying Trustee, the Underlying Certificate Administrator, the Underlying Custodian, the Placement Agents (the “**Transaction Parties**”) or their respective affiliates may receive certain benefits in connection with the sale or holding of the SPCs, the purchase or holding of the SPCs using “plan assets” of any plan subject to Part 4, Subtitle B of Title I of ERISA and/or Section 4975 of the Code (each, a “**Plan**”) over which any of these parties or their affiliates has discretionary authority or control, or renders “investment advice” (within the meaning of Section 3(21) of ERISA and/or Section 4975 of the Code and applicable regulations) for a fee (direct or indirect) with respect to the assets of a Plan, or is the employer or other sponsor of a Plan, might be deemed to be a violation of the prohibited transaction provisions of Part 4, Subtitle B, Title I of ERISA or Section 4975 of the Code (or could otherwise constitute a violation of fiduciary responsibilities under Title I of ERISA). Accordingly, the SPCs may not be purchased using the assets of any Plan if any Transaction Party or any of their respective affiliates has discretionary authority or control or renders investment advice for a fee with respect to the assets of the Plan, or is the employer or other sponsor of the Plan, unless an applicable prohibited transaction exemption is available (all of the conditions of which are satisfied) to cover the purchase and holding of the SPCs or the transaction is not otherwise prohibited.

## **PLAN OF DISTRIBUTION**

The Placement Agents intend to deliver the SPCs on our behalf to third party purchasers. However, under our agreement with the Placement Agents, any SPCs not placed with third parties will be purchased by the Placement Agents and resold to us.

Our agreement with the Placement Agents provides that we will indemnify them against certain liabilities.

## **LEGAL MATTERS**

Our General Counsel or one of our Deputy General Counsels will render an opinion on the legality of the SPCs. Cadwalader, Wickersham & Taft LLP is representing the Underlying Depositor and the Placement Agents on legal matters concerning the SPCs. That firm is also rendering certain legal services to us with respect to the SPCs.

## **Appendix A**

### **Selling Restrictions**

#### **NOTICE TO RESIDENTS OF THE REPUBLIC OF KOREA**

THIS OFFERING CIRCULAR SUPPLEMENT IS NOT, AND UNDER NO CIRCUMSTANCES IS TO BE CONSTRUED AS, A PUBLIC OFFERING OF SECURITIES IN KOREA. NEITHER FREDDIE MAC NOR ANY OF THE PLACEMENT AGENTS MAKE ANY REPRESENTATION WITH RESPECT TO THE ELIGIBILITY OF ANY RECIPIENTS OF THIS OFFERING CIRCULAR SUPPLEMENT TO ACQUIRE THE SPCs UNDER THE LAWS OF KOREA, INCLUDING, BUT WITHOUT LIMITATION, THE FOREIGN EXCHANGE TRANSACTION LAW AND REGULATIONS THEREUNDER (THE “FETL”). THE SPCs HAVE NOT BEEN REGISTERED WITH THE FINANCIAL SERVICES COMMISSION OF KOREA FOR PUBLIC OFFERING IN KOREA, AND NONE OF THE SPCs MAY BE OFFERED, SOLD OR DELIVERED, DIRECTLY OR INDIRECTLY, OR OFFERED OR SOLD TO ANY PERSON FOR RE-OFFERING OR RESALE, DIRECTLY OR INDIRECTLY IN KOREA OR TO ANY RESIDENT OF KOREA EXCEPT PURSUANT TO THE FINANCIAL INVESTMENT SERVICES AND CAPITAL MARKETS ACT AND THE DECREES AND REGULATIONS THEREUNDER, THE FETL AND ANY OTHER APPLICABLE LAWS, REGULATIONS AND MINISTERIAL GUIDELINES IN KOREA.

#### **NOTICE TO RESIDENTS OF THE PEOPLE’S REPUBLIC OF CHINA**

THE SPCs WILL NOT BE OFFERED OR SOLD IN THE PEOPLE’S REPUBLIC OF CHINA (EXCLUDING HONG KONG, MACAU AND TAIWAN, THE “PRC”) AS PART OF THE INITIAL DISTRIBUTION OF THE SPCs BUT MAY BE AVAILABLE FOR PURCHASE BY INVESTORS RESIDENT IN THE PRC FROM OUTSIDE THE PRC.

THIS OFFERING CIRCULAR SUPPLEMENT DOES NOT CONSTITUTE AN OFFER TO SELL OR THE SOLICITATION OF AN OFFER TO BUY ANY SECURITIES IN THE PRC TO ANY PERSON TO WHOM IT IS UNLAWFUL TO MAKE THE OFFER OR SOLICITATION IN THE PRC.

NEITHER FREDDIE MAC NOR ANY OF THE PLACEMENT AGENTS REPRESENTS THAT THIS OFFERING CIRCULAR SUPPLEMENT MAY BE LAWFULLY DISTRIBUTED, OR THAT ANY SPCs MAY BE LAWFULLY OFFERED, IN COMPLIANCE WITH ANY APPLICABLE REGISTRATION OR OTHER REQUIREMENTS IN THE PRC, OR PURSUANT TO AN EXEMPTION AVAILABLE THEREUNDER, OR ASSUME ANY RESPONSIBILITY FOR FACILITATING ANY SUCH DISTRIBUTION OR OFFERING. IN PARTICULAR, NO ACTION HAS BEEN TAKEN BY FREDDIE MAC OR ANY OF THE PLACEMENT AGENTS WHICH WOULD PERMIT A PUBLIC OFFERING OF ANY SPCs OR THE DISTRIBUTION OF THIS OFFERING CIRCULAR SUPPLEMENT IN THE PRC. ACCORDINGLY, THE SPCs ARE NOT BEING OFFERED OR SOLD WITHIN THE PRC BY MEANS OF THIS OFFERING CIRCULAR SUPPLEMENT OR ANY OTHER DOCUMENT. NEITHER THIS OFFERING CIRCULAR SUPPLEMENT NOR ANY ADVERTISEMENT OR OTHER OFFERING MATERIAL MAY BE DISTRIBUTED OR PUBLISHED IN THE PRC, EXCEPT UNDER CIRCUMSTANCES THAT WILL RESULT IN COMPLIANCE WITH ANY APPLICABLE LAWS AND REGULATIONS.

## **NOTICE TO RESIDENTS OF JAPAN**

THE SPCs HAVE NOT BEEN AND WILL NOT BE REGISTERED UNDER THE FINANCIAL INSTRUMENTS EXCHANGE ACT OF JAPAN (LAW NO. 25 OF 1948, AS AMENDED (THE “FIEL”)), AND EACH PLACEMENT AGENT HAS AGREED THAT IT WILL NOT OFFER OR SELL ANY SPCs, DIRECTLY OR INDIRECTLY, IN JAPAN OR TO, OR FOR THE BENEFIT OF, ANY JAPANESE PERSON, OR TO OTHERS FOR RE-OFFERING OR RESALE, DIRECTLY OR INDIRECTLY, IN JAPAN OR TO ANY JAPANESE PERSON, EXCEPT PURSUANT TO AN EXEMPTION FROM THE REGISTRATION REQUIREMENTS OF, AND OTHERWISE IN COMPLIANCE WITH, THE FIEL AND ANY OTHER APPLICABLE LAWS AND REGULATIONS. FOR THE PURPOSES OF THIS PARAGRAPH, “JAPANESE PERSON” SHALL MEAN ANY PERSON RESIDENT IN JAPAN, INCLUDING ANY CORPORATION OR OTHER ENTITY ORGANIZED UNDER THE LAWS AND REGULATIONS OF JAPAN.

## **JAPANESE RISK RETENTION REQUIREMENT**

THE JAPANESE FINANCIAL SERVICES AGENCY PUBLISHED A RISK RETENTION RULE AS PART OF THE REGULATORY CAPITAL REGULATION OF CERTAIN CATEGORIES OF JAPANESE INVESTORS SEEKING TO INVEST IN SECURITIZATION TRANSACTIONS (THE “JRR RULE”). THE JRR RULE MANDATES AN “INDIRECT” COMPLIANCE REQUIREMENT, MEANING THAT CERTAIN CATEGORIES OF JAPANESE INVESTORS WILL BE REQUIRED TO APPLY HIGHER RISK WEIGHTING TO SECURITIZATION EXPOSURES THEY HOLD UNLESS THE RELEVANT ORIGINATOR COMMITS TO HOLD A RETENTION INTEREST IN THE SECURITIES ISSUED IN THE SECURITIZATION TRANSACTION EQUAL TO AT LEAST 5% OF THE EXPOSURE OF THE TOTAL UNDERLYING ASSETS IN THE SECURITIZATION TRANSACTION (THE “JAPANESE RISK RETENTION REQUIREMENT”), OR SUCH INVESTORS DETERMINE THAT THE UNDERLYING ASSETS WERE NOT “INAPPROPRIATELY ORIGINATED.” IN THE ABSENCE OF SUCH A DETERMINATION BY SUCH INVESTORS THAT SUCH UNDERLYING ASSETS WERE NOT “INAPPROPRIATELY ORIGINATED,” THE JAPANESE RISK RETENTION REQUIREMENT WOULD APPLY TO AN INVESTMENT BY SUCH INVESTORS IN SUCH SECURITIES.

NO PARTY TO THE TRANSACTION DESCRIBED IN THIS OFFERING CIRCULAR SUPPLEMENT HAS COMMITTED TO HOLD A RISK RETENTION INTEREST IN COMPLIANCE WITH THE JAPANESE RISK RETENTION REQUIREMENT, AND WE MAKE NO REPRESENTATION AS TO WHETHER THE TRANSACTION DESCRIBED IN THIS OFFERING CIRCULAR SUPPLEMENT WOULD OTHERWISE COMPLY WITH THE JRR RULE.

## **NOTICE TO RESIDENTS OF HONG KONG**

THE SPCs ARE NOT BEING OFFERED OR SOLD AND WILL NOT BE OFFERED OR SOLD IN HONG KONG, BY MEANS OF ANY DOCUMENT (EXCEPT FOR SPCs WHICH ARE A “STRUCTURED PRODUCT” AS DEFINED IN THE SECURITIES AND FUTURES ORDINANCE (CAP. 571) (THE “SFO”) OF HONG KONG) OTHER THAN (A) TO “PROFESSIONAL INVESTORS” AS DEFINED IN THE SFO AND ANY RULES MADE UNDER THE SFO; OR (B) IN OTHER CIRCUMSTANCES WHICH DO NOT RESULT IN THE DOCUMENT BEING A “PROSPECTUS” AS DEFINED IN THE COMPANIES (WINDING UP AND MISCELLANEOUS PROVISIONS) ORDINANCE (CAP. 32) (THE “C(WUMP)O”) OF HONG KONG OR WHICH DO NOT CONSTITUTE AN OFFER TO THE PUBLIC WITHIN THE MEANING OF THE C(WUMP)O. NO ADVERTISEMENT, INVITATION OR DOCUMENT RELATING TO THE SPCs HAS BEEN ISSUED OR WILL BE ISSUED, WHETHER IN HONG KONG OR ELSEWHERE, WHICH IS

DIRECTED AT, OR THE CONTENTS OF WHICH ARE LIKELY TO BE ACCESSED OR READ BY, THE PUBLIC OF HONG KONG (EXCEPT IF PERMITTED TO DO SO UNDER THE SECURITIES LAWS OF HONG KONG) OTHER THAN WITH RESPECT TO SPCs WHICH ARE OR ARE INTENDED TO BE DISPOSED OF ONLY TO PERSONS OUTSIDE HONG KONG OR ONLY TO “PROFESSIONAL INVESTORS” AS DEFINED IN THE SFO AND ANY RULES MADE UNDER THE SFO.

## **NOTICE TO RESIDENTS OF THE EUROPEAN ECONOMIC AREA**

### **PROHIBITION ON SALES TO EEA RETAIL INVESTORS**

THE SPCs ARE NOT INTENDED TO BE OFFERED, SOLD OR OTHERWISE MADE AVAILABLE TO AND SHOULD NOT BE OFFERED, SOLD OR OTHERWISE MADE AVAILABLE TO ANY EEA RETAIL INVESTOR IN THE EUROPEAN ECONOMIC AREA (THE “EEA”). FOR THESE PURPOSES, AN “EEA RETAIL INVESTOR” MEANS A PERSON WHO IS ONE (OR MORE) OF THE FOLLOWING:

- (I) A RETAIL CLIENT AS DEFINED IN POINT (11) OF ARTICLE 4(1) OF DIRECTIVE 2014/65/EU (AS AMENDED, “MIFID II”); OR
- (II) A CUSTOMER WITHIN THE MEANING OF DIRECTIVE (EU) 2016/97, AS AMENDED, WHERE THAT CUSTOMER WOULD NOT QUALIFY AS A PROFESSIONAL CLIENT AS DEFINED IN POINT (10) OF ARTICLE 4(1) OF MIFID II; OR
- (III) NOT A QUALIFIED INVESTOR AS DEFINED IN ARTICLE 2 OF REGULATION (EU) 2017/1129 (AS AMENDED).

CONSEQUENTLY, NO KEY INFORMATION DOCUMENT REQUIRED BY REGULATION (EU) NO 1286/2014 (AS AMENDED, THE “EU PRIIPS REGULATION”) FOR OFFERING OR SELLING THE SPCs OR OTHERWISE MAKING THEM AVAILABLE TO EEA RETAIL INVESTORS IN THE EEA HAS BEEN PREPARED AND THEREFORE OFFERING OR SELLING THE SPCs OR OTHERWISE MAKING THEM AVAILABLE TO ANY EEA RETAIL INVESTOR IN THE EEA MAY BE UNLAWFUL UNDER THE EU PRIIPS REGULATION.

## **MIFID II PRODUCT GOVERNANCE**

ANY DISTRIBUTOR SUBJECT TO MIFID II THAT IS OFFERING, SELLING OR RECOMMENDING THE SPCs IS RESPONSIBLE FOR UNDERTAKING ITS OWN TARGET MARKET ASSESSMENT IN RESPECT OF THE SPCs AND DETERMINING ITS OWN DISTRIBUTION CHANNELS FOR THE PURPOSES OF THE MIFID II PRODUCT GOVERNANCE RULES UNDER COMMISSION DELEGATED DIRECTIVE (EU) 2017/593 (AS AMENDED, THE “DELEGATED DIRECTIVE”). NONE OF THE ISSUING ENTITY, FREDDIE MAC OR ANY PLACEMENT AGENT MAKES ANY REPRESENTATIONS OR WARRANTIES AS TO A DISTRIBUTOR’S COMPLIANCE WITH THE DELEGATED DIRECTIVE.

## **NOTICE TO RESIDENTS OF THE UNITED KINGDOM**

### **PROHIBITION ON SALES TO UK RETAIL INVESTORS**

THE SPCs ARE NOT INTENDED TO BE OFFERED, SOLD OR OTHERWISE MADE AVAILABLE TO AND SHOULD NOT BE OFFERED, SOLD OR OTHERWISE MADE AVAILABLE TO ANY UK

RETAIL INVESTOR IN THE UNITED KINGDOM (THE “UK”). FOR THESE PURPOSES, A “UK RETAIL INVESTOR” MEANS A PERSON WHO IS ONE (OR MORE) OF THE FOLLOWING:

- (I) A RETAIL CLIENT AS DEFINED IN POINT (8) OF ARTICLE 2 OF REGULATION (EU) 2017/565 AS IT FORMS PART OF UK DOMESTIC LAW BY VIRTUE OF THE EUROPEAN UNION (WITHDRAWAL) ACT 2018 (AS AMENDED, THE “EUWA”); OR
- (II) A CUSTOMER WITHIN THE MEANING OF THE PROVISIONS OF THE FINANCIAL SERVICES AND MARKETS ACT 2000 (AS AMENDED, THE “FSMA”) AND ANY RULES OR REGULATIONS MADE UNDER THE FSMA TO IMPLEMENT DIRECTIVE (EU) 2016/97, AS AMENDED, WHERE THAT CUSTOMER WOULD NOT QUALIFY AS A PROFESSIONAL CLIENT, AS DEFINED IN POINT (8) OF ARTICLE 2(1) OF REGULATION (EU) NO 600/2014 AS IT FORMS PART OF UK DOMESTIC LAW BY VIRTUE OF THE EUWA; OR
- (III) NOT A QUALIFIED INVESTOR AS DEFINED IN ARTICLE 2 OF REGULATION (EU) 2017/1129 AS IT FORMS PART OF UK DOMESTIC LAW BY VIRTUE OF THE EUWA.

CONSEQUENTLY, NO KEY INFORMATION DOCUMENT REQUIRED BY REGULATION (EU) NO 1286/2014 AS IT FORMS PART OF UK DOMESTIC LAW BY VIRTUE OF THE EUWA (AS AMENDED, THE “UK PRIIPS REGULATION”) FOR OFFERING OR SELLING THE SPCs OR OTHERWISE MAKING THEM AVAILABLE TO UK RETAIL INVESTORS HAS BEEN PREPARED AND THEREFORE OFFERING OR SELLING THE SPCs OR OTHERWISE MAKING THEM AVAILABLE TO ANY UK RETAIL INVESTOR IN THE UK MAY BE UNLAWFUL UNDER THE UK PRIIPS REGULATION.

#### UK PRODUCT GOVERNANCE

SOLELY FOR THE PURPOSES OF EACH MANUFACTURER’S PRODUCT APPROVAL PROCESS, THE TARGET MARKET ASSESSMENT IN RESPECT OF THE SPCs HAS LED TO THE CONCLUSION THAT: (I) THE TARGET MARKET FOR THE SPCs IS ONLY ELIGIBLE COUNTERPARTIES, AS DEFINED IN THE FCA HANDBOOK CONDUCT OF BUSINESS SOURCEBOOK, AND PROFESSIONAL CLIENTS, AS DEFINED IN REGULATION (EU) NO 6000/2014 AS IT FORMS PART OF UK DOMESTIC LAW BY VIRTUE OF THE EUWA; AND (II) ALL CHANNELS FOR DISTRIBUTION OF THE SPCs TO ELIGIBLE COUNTERPARTIES AND PROFESSIONAL CLIENTS ARE APPROPRIATE. ANY PERSON SUBSEQUENTLY OFFERING, SELLING OR RECOMMENDING THE SPCs (A “DISTRIBUTOR”) SHOULD TAKE INTO CONSIDERATION THE MANUFACTURERS’ TARGET MARKET ASSESSMENT; HOWEVER, A DISTRIBUTOR SUBJECT TO THE FCA HANDBOOK PRODUCT INTERVENTION AND PRODUCT GOVERNANCE SOURCEBOOK IS RESPONSIBLE FOR UNDERTAKING ITS OWN TARGET MARKET ASSESSMENT IN RESPECT OF THE SPCs (BY EITHER ADOPTING OR REFINING THE MANUFACTURERS’ TARGET MARKET ASSESSMENT) AND DETERMINING APPROPRIATE DISTRIBUTION CHANNELS.

#### FINANCIAL PROMOTION REGIME AND PROMOTION OF COLLECTIVE INVESTMENT SCHEMES REGIME

THE ISSUING ENTITY MAY CONSTITUTE A “COLLECTIVE INVESTMENT SCHEME” AS DEFINED BY SECTION 235 OF THE FSMA THAT IS NOT A “RECOGNIZED COLLECTIVE INVESTMENT SCHEME” FOR THE PURPOSES OF THE FSMA AND THAT HAS NOT BEEN AUTHORIZED, REGULATED OR OTHERWISE RECOGNIZED OR APPROVED. AS AN UNREGULATED SCHEME, THE SPCs CANNOT BE MARKETED IN THE UNITED KINGDOM TO THE GENERAL PUBLIC, EXCEPT IN ACCORDANCE WITH THE FSMA.

THE COMMUNICATION OF THIS OFFERING CIRCULAR SUPPLEMENT (A) IF MADE BY A PERSON WHO IS NOT AN AUTHORIZED PERSON UNDER THE FSMA, IS BEING MADE ONLY TO, OR DIRECTED ONLY AT, PERSONS WHO (I) ARE OUTSIDE THE UNITED KINGDOM, OR (II) HAVE PROFESSIONAL EXPERIENCE IN MATTERS RELATING TO INVESTMENTS AND QUALIFY AS INVESTMENT PROFESSIONALS IN ACCORDANCE WITH ARTICLE 19(5) OF THE FINANCIAL SERVICES AND MARKETS ACT 2000 (FINANCIAL PROMOTION) ORDER 2005 (THE “FINANCIAL PROMOTION ORDER”), OR (III) ARE PERSONS FALLING WITHIN ARTICLE 49(2)(A) THROUGH (D) (HIGH NET WORTH COMPANIES, UNINCORPORATED ASSOCIATIONS, ETC.) OF THE FINANCIAL PROMOTION ORDER (ALL SUCH PERSONS TOGETHER BEING REFERRED TO AS “FPO PERSONS”), OR (IV) ARE ANY OTHER PERSONS TO WHOM IT MAY OTHERWISE LAWFULLY BE COMMUNICATED OR DIRECTED; AND (B) IF MADE BY A PERSON WHO IS AN AUTHORIZED PERSON UNDER THE FSMA, IS BEING MADE ONLY TO, OR DIRECTED ONLY AT, PERSONS WHO (I) ARE OUTSIDE THE UNITED KINGDOM, OR (II) HAVE PROFESSIONAL EXPERIENCE IN MATTERS RELATING TO INVESTMENTS AND QUALIFY AS INVESTMENT PROFESSIONALS IN ACCORDANCE WITH ARTICLE 14(5) OF THE FINANCIAL SERVICES AND MARKETS ACT 2000 (PROMOTION OF COLLECTIVE INVESTMENT SCHEMES) (EXEMPTIONS) ORDER 2001 (THE “PROMOTION OF COLLECTIVE INVESTMENT SCHEMES EXEMPTIONS ORDER”), OR (III) ARE PERSONS FALLING WITHIN ARTICLE 22(2)(A) THROUGH (D) (“HIGH NET WORTH COMPANIES, UNINCORPORATED ASSOCIATIONS, ETC.”) OF THE PROMOTION OF COLLECTIVE INVESTMENT SCHEMES EXEMPTIONS ORDER, OR (IV) ARE PERSONS TO WHOM THE ISSUER MAY LAWFULLY BE PROMOTED IN ACCORDANCE WITH CHAPTER 4.12 OF THE FCA HANDBOOK CONDUCT OF BUSINESS SOURCEBOOK (ALL SUCH PERSONS, TOGETHER WITH FPO PERSONS, “RELEVANT PERSONS”).

THIS OFFERING CIRCULAR SUPPLEMENT MUST NOT BE ACTED ON OR RELIED ON BY PERSONS WHO ARE NOT RELEVANT PERSONS. ANY INVESTMENT OR INVESTMENT ACTIVITY TO WHICH THIS OFFERING CIRCULAR SUPPLEMENT RELATES, INCLUDING THE SPCs, IS AVAILABLE ONLY TO RELEVANT PERSONS AND WILL BE ENGAGED IN ONLY WITH RELEVANT PERSONS. ANY PERSONS OTHER THAN RELEVANT PERSONS SHOULD NOT ACT OR RELY ON THIS OFFERING CIRCULAR SUPPLEMENT.

POTENTIAL INVESTORS IN THE UNITED KINGDOM ARE ADVISED THAT ALL, OR MOST, OF THE PROTECTIONS AFFORDED BY THE UNITED KINGDOM REGULATORY SYSTEM WILL NOT APPLY TO AN INVESTMENT IN THE SPCs AND THAT COMPENSATION WILL NOT BE AVAILABLE UNDER THE UNITED KINGDOM FINANCIAL SERVICES COMPENSATION SCHEME.

#### **NOTICE TO CANADIAN RESIDENTS**

THE SPCs MAY BE SOLD ONLY TO PURCHASERS PURCHASING, OR DEEMED TO BE PURCHASING, AS PRINCIPAL THAT ARE ACCREDITED INVESTORS, AS DEFINED IN NATIONAL INSTRUMENT 45-106 PROSPECTUS EXEMPTIONS OR SUBSECTION 73.3(1) OF THE SECURITIES ACT (ONTARIO), AND ARE PERMITTED CLIENTS, AS DEFINED IN NATIONAL INSTRUMENT 31-103 REGISTRATION REQUIREMENTS, EXEMPTIONS AND ONGOING REGISTRANT OBLIGATIONS. ANY RESALE OF THE SPCs MUST BE MADE IN ACCORDANCE WITH AN EXEMPTION FROM, OR IN A TRANSACTION NOT SUBJECT TO, THE PROSPECTUS REQUIREMENTS OF APPLICABLE SECURITIES LAWS.

SECURITIES LEGISLATION IN CERTAIN PROVINCES OR TERRITORIES OF CANADA MAY PROVIDE A PURCHASER WITH REMEDIES FOR RESCISSION OR DAMAGES IF THIS OFFERING CIRCULAR SUPPLEMENT (INCLUDING ANY AMENDMENT THERETO)

CONTAINS A MISREPRESENTATION, PROVIDED THAT THE REMEDIES FOR RESCISSION OR DAMAGES ARE EXERCISED BY THE PURCHASER WITHIN THE TIME LIMIT PRESCRIBED BY THE SECURITIES LEGISLATION OF THE PURCHASER'S PROVINCE OR TERRITORY. THE PURCHASER SHOULD REFER TO ANY APPLICABLE PROVISIONS OF THE SECURITIES LEGISLATION OF THE PURCHASER'S PROVINCE OR TERRITORY FOR PARTICULARS OF THESE RIGHTS OR CONSULT WITH A LEGAL ADVISOR.

PURSUANT TO SECTION 3A.3 OF NATIONAL INSTRUMENT 33-105 UNDERWRITING CONFLICTS ("NI 33-105"), THE PLACEMENT AGENTS ARE NOT REQUIRED TO COMPLY WITH THE DISCLOSURE REQUIREMENTS OF NI 33-105 REGARDING UNDERWRITER CONFLICTS OF INTEREST IN CONNECTION WITH THIS OFFERING.

### **NOTICE TO SINGAPORE RESIDENTS**

THIS OFFERING CIRCULAR SUPPLEMENT HAS NOT BEEN, AND WILL NOT BE, REGISTERED AS A PROSPECTUS WITH THE MONETARY AUTHORITY OF SINGAPORE UNDER THE SECURITIES FUTURES ACT, CHAPTER 289 OF SINGAPORE, AS THE SAME MAY BE AMENDED FROM TIME TO TIME (THE "SFA"), AND THE SPCs WILL BE OFFERED PURSUANT TO EXEMPTIONS UNDER THE SFA. ACCORDINGLY, THIS OFFERING CIRCULAR SUPPLEMENT OR ANY OTHER DOCUMENT OR MATERIAL IN CONNECTION WITH THE OFFER OR SALE, OR INVITATION FOR SUBSCRIPTION OR PURCHASE, OF THE SPCs MAY NOT BE CIRCULATED OR DISTRIBUTED, NOR MAY THE SPCs BE OFFERED OR SOLD, OR BE MADE THE SUBJECT OF AN INVITATION FOR SUBSCRIPTION OR PURCHASE, WHETHER DIRECTLY OR INDIRECTLY, TO ANY PERSONS IN SINGAPORE OTHER THAN (i) TO AN INSTITUTIONAL INVESTOR (AS DEFINED IN SECTION 4A OF THE SFA) PURSUANT TO SECTION 274 OF THE SFA, (ii) TO A RELEVANT PERSON (AS DEFINED IN SECTION 275(2) OF THE SFA) PURSUANT TO SECTION 275(1) OF THE SFA, OR ANY PERSON PURSUANT TO SECTION 275(1A) OF THE SFA, AND IN ACCORDANCE WITH THE CONDITIONS SPECIFIED IN SECTION 275 OF THE SFA AND (WHERE APPLICABLE) REGULATION 3 OF THE SECURITIES AND FUTURES (CLASSES OF INVESTORS) REGULATION 2018 OF SINGAPORE OR (iii) OTHERWISE PURSUANT TO, AND IN ACCORDANCE WITH THE CONDITIONS OF, ANY OTHER APPLICABLE PROVISION OF THE SFA.

WHERE THE SPCs ARE SUBSCRIBED OR PURCHASED IN RELIANCE OF AN EXEMPTION UNDER SECTION 274 OR 275 OF THE SFA, THE SPCs SHALL NOT BE SOLD WITHIN THE PERIOD OF SIX MONTHS FROM THE DATE OF THE INITIAL ACQUISITION OF THE SPCs, EXCEPT TO ANY OF THE FOLLOWING PERSONS:

- (I) AN INSTITUTIONAL INVESTOR (AS DEFINED IN SECTION 4A OF THE SFA);
- (II) A RELEVANT PERSON (AS DEFINED IN SECTION 275(2) OF THE SFA); OR
- (III) ANY PERSON PURSUANT TO AN OFFER REFERRED TO IN SECTION 275(1A) OF THE SFA,

UNLESS EXPRESSLY SPECIFIED OTHERWISE IN SECTION 276(7) OF THE SFA OR REGULATION 37A OF THE SECURITIES AND FUTURES (OFFERS OF INVESTMENTS) (SECURITIES AND SECURITIES-BASED DERIVATIVES CONTRACTS) REGULATION 2018 OF SINGAPORE.

WHERE THE SPCs ARE SUBSCRIBED OR PURCHASED UNDER 275 OF THE SFA BY A RELEVANT PERSON WHICH IS:

(I) A CORPORATION (WHICH IS NOT AN ACCREDITED INVESTOR (AS DEFINED IN SECTION 4A OF THE SFA)) THE SOLE BUSINESS OF WHICH IS TO HOLD INVESTMENTS AND THE ENTIRE SHARE CAPITAL OF WHICH IS OWNED BY ONE OR MORE INDIVIDUALS, EACH OF WHOM IS AN ACCREDITED INVESTOR; OR

(II) A TRUST (WHERE THE TRUSTEE IS NOT AN ACCREDITED INVESTOR) WHOSE SOLE PURPOSE IS TO HOLD INVESTMENTS AND EACH BENEFICIARY OF THE TRUST IS AN INDIVIDUAL WHO IS AN ACCREDITED INVESTOR,

SECURITIES OR SECURITIES-BASED DERIVATIVES CONTRACTS (EACH TERM AS DEFINED IN SECTION 2(1) OF THE SFA) OF THAT CORPORATION OR THE BENEFICIARIES' RIGHTS AND INTEREST (HOWSOEVER DESCRIBED) IN THAT TRUST SHALL NOT BE TRANSFERRED WITHIN SIX MONTHS AFTER THAT CORPORATION OR THAT TRUST HAS ACQUIRED THE SPCs PURSUANT TO AN OFFER MADE UNDER SECTION 275 OF THE SFA EXCEPT:

(I) TO AN INSTITUTIONAL INVESTOR OR TO A RELEVANT PERSON (AS DEFINED IN SECTION 275(2) OF THE SFA), OR (IN THE CASE OF SUCH CORPORATION) WHERE THE TRANSFER ARISES FROM AN OFFER REFERRED TO IN SECTION 276(3)(i)(B) OF THE SFA OR (IN THE CASE OF SUCH TRUST) WHERE THE TRANSFER ARISES FROM AN OFFER REFERRED TO IN SECTION 275(1A) OR SECTION 276(4)(i)(B) OF THE SFA;

(II) WHERE NO CONSIDERATION IS OR WILL BE GIVEN FOR THE TRANSFER;

(III) WHERE THE TRANSFER IS BY OPERATION OF LAW;

(IV) AS SPECIFIED IN SECTION 276(7) OF THE SFA; OR

(V) AS SPECIFIED IN REGULATION 37A OF THE SECURITIES AND FUTURES (OFFERS OF INVESTMENTS) (SECURITIES AND SECURITIES-BASED DERIVATIVES CONTACTS) REGULATIONS 2018 OF SINGAPORE.

ANY REFERENCE TO ANY TERM AS DEFINED IN THE SFA OR ANY PROVISION IN THE SFA IS A REFERENCE TO THAT TERM AS MODIFIED OR AMENDED FROM TIME TO TIME INCLUDING BY SUCH OF ITS SUBSIDIARY LEGISLATION AS MAY BE APPLICABLE AT THE RELEVANT TIME.

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**\$869,203,000**

(Approximate)

**Multifamily Mortgage Pass-Through Certificates,  
Series 2021-KF117**

**FREMF 2021-KF117 Mortgage Trust**

issuing entity

**Credit Suisse First Boston Mortgage Securities Corp.**

depositor

**Federal Home Loan Mortgage Corporation**

mortgage loan seller and guarantor

We, Credit Suisse First Boston Mortgage Securities Corp., intend to establish a trust to act as an issuing entity, which we refer to in this information circular as the “issuing entity.” The primary assets of the issuing entity will consist of 61 multifamily mortgage loans secured by 61 multifamily mortgaged real properties with the characteristics described in this information circular. The issuing entity will issue 4 classes of certificates, 2 of which, referred to in this information circular as the “offered certificates,” are being offered by this information circular, as listed below. The issuing entity will pay interest and/or principal monthly, commencing in August 2021. The offered certificates represent obligations of the issuing entity only (and, solely with respect to certain payments of interest and principal pursuant to a guarantee of the offered certificates described in this information circular, Freddie Mac), and do not represent obligations of or interests in us or any of our affiliates. We do not intend to list the offered certificates on any national securities exchange or any automated quotation system of any registered securities association.

This information circular was prepared solely in connection with the offering and sale of the offered certificates to Freddie Mac.

**Investing in the offered certificates involves risks. See “Summary of Risk Factors” and “Risk Factors” beginning on pages 39 and 41, respectively, of this information circular.**

<b>Offered Classes</b>	<b>Total Initial Principal Balance or Notional Amount</b>	<b>Pass-Through Rate or Description</b>	<b>Assumed Final Distribution Date</b>
Class AS	\$869,203,000	SOFR + 0.24000%*	June 25, 2031
Class XS	\$469,839,500	Variable IO	July 25, 2031

\* Subject to a pass-through rate cap.

Delivery of the offered certificates will be made on or about July 29, 2021. Credit enhancement will be provided by (i) the subordination of certain classes of certificates to certain other classes of such certificates as described in this information circular under “Summary of Information Circular—The Offered Certificates—Priority of Distributions and Subordination” and “Description of the Certificates—Distributions—Subordination” and (ii) the guarantee of the offered certificates by Freddie Mac as described under “Summary of Information Circular—The Offered Certificates—Freddie Mac Guarantee” and “Description of the Certificates—Distributions—Freddie Mac Guarantee” in this information circular.

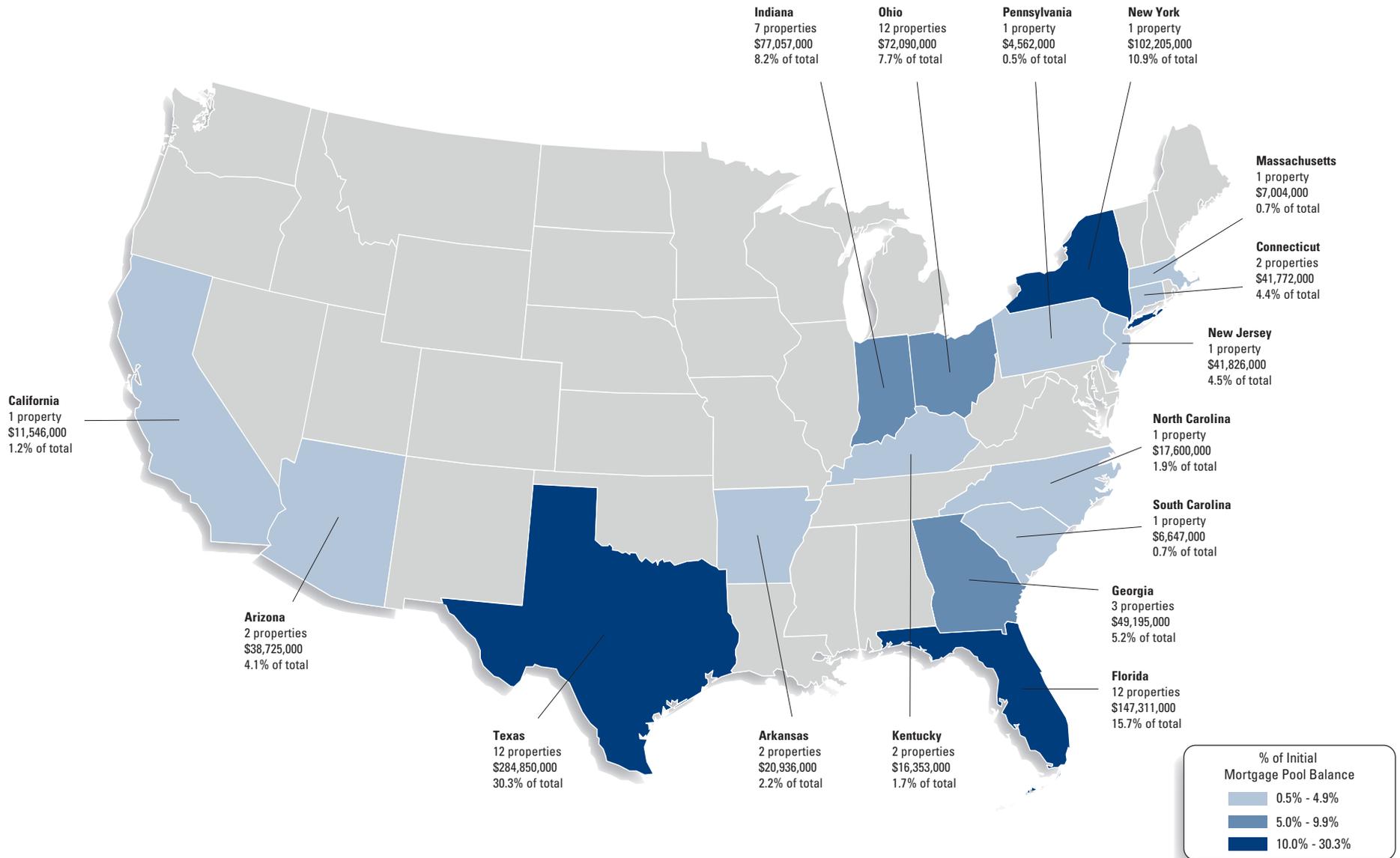
The issuing entity will be relying on an exclusion or exemption from the definition of “investment company” under the Investment Company Act of 1940, as amended (the “Investment Company Act”), contained in Section 3(c)(5) of the Investment Company Act or Rule 3a-7 under the Investment Company Act, although there may be additional exclusions or exemptions available to the issuing entity. The issuing entity is being structured so as not to constitute a “covered fund” for purposes of the Volcker Rule under the Dodd-Frank Act.

It is a condition to the issuance of the offered certificates that they be purchased and guaranteed by Freddie Mac as described in this information circular. The obligations of Freddie Mac under its guarantee of the offered certificates are obligations of Freddie Mac only. **Freddie Mac will not guarantee any class of certificates other than the offered certificates.** The offered certificates are not guaranteed by the United States of America (“United States”) and do not constitute debts or obligations of the United States or any agency or instrumentality of the United States other than Freddie Mac. Income on the offered certificates has no exemption under federal law from federal, state or local taxation.

**Information Circular Dated July 20, 2021**

# FREM 2021-KF117 Mortgage Trust

## Multifamily Mortgage Pass-Through Certificates Series 2021-KF117



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**You should rely only on the information contained in this document or to which we have referred you. We have not authorized anyone to provide you with information that is different. This document may only be used where it is legal to sell these securities. The information in this document may only be accurate on the date of this document.**

## IMPORTANT NOTICE REGARDING THE CERTIFICATES

NONE OF THE DEPOSITOR, THE PLACEMENT AGENTS, THE INITIAL PURCHASERS, FREDDIE MAC, THEIR RESPECTIVE AFFILIATES OR ANY OTHER PERSON INTENDS TO RETAIN A MATERIAL NET ECONOMIC INTEREST IN THE SECURITIZATION CONSTITUTED BY THE ISSUANCE OF THE CERTIFICATES IN A MANNER THAT WOULD CONSTITUTE A RETENTION OF A MATERIAL NET ECONOMIC INTEREST FOR THE PURPOSE OF ARTICLE 6 OF REGULATION (EU) 2017/2402 (THE “EU SECURITIZATION REGULATION”) OR ARTICLE 6 OF REGULATION (EU) 2017/2402, AS IT FORMS PART OF UK DOMESTIC LAW BY VIRTUE OF THE EUROPEAN UNION (WITHDRAWAL) ACT 2018 AND AS AMENDED BY THE SECURITIZATION (AMENDMENT) (EU EXIT) REGULATIONS 2019 (THE “UK SECURITIZATION REGULATION”), OR TO TAKE ANY OTHER ACTION THAT MAY BE REQUIRED BY EU OR UK INSTITUTIONAL INVESTORS FOR THE PURPOSES OF THEIR COMPLIANCE WITH THE DUE DILIGENCE REQUIREMENTS UNDER ARTICLE 5 OF THE EU SECURITIZATION REGULATION (IN RESPECT OF EU INSTITUTIONAL INVESTORS) OR ARTICLE 5 OF THE UK SECURITIZATION REGULATION (IN RESPECT OF UK INSTITUTIONAL INVESTORS). FOR ADDITIONAL INFORMATION IN THIS REGARD, SEE “RISK FACTORS—GENERAL RISK FACTORS—LEGAL AND REGULATORY PROVISIONS AFFECTING INVESTORS COULD ADVERSELY AFFECT THE LIQUIDITY OF YOUR INVESTMENT” IN THIS INFORMATION CIRCULAR. IN ADDITION, NO PARTY WILL RETAIN RISK WITH RESPECT TO THIS TRANSACTION IN A FORM OR AN AMOUNT PURSUANT TO THE TERMS OF THE U.S. CREDIT RISK RETENTION RULE (12 C.F.R. PART 1234). SEE “DESCRIPTION OF THE MORTGAGE LOAN SELLER AND GUARANTOR—CREDIT RISK RETENTION” IN THIS INFORMATION CIRCULAR.

### IMPORTANT NOTICE ABOUT INFORMATION PRESENTED IN THIS INFORMATION CIRCULAR

THE PLACEMENT AGENTS DESCRIBED IN THIS INFORMATION CIRCULAR MAY FROM TIME TO TIME PERFORM INVESTMENT BANKING SERVICES FOR, OR SOLICIT INVESTMENT BANKING BUSINESS FROM, ANY COMPANY NAMED IN THIS INFORMATION CIRCULAR. THE PLACEMENT AGENTS AND/OR THEIR RESPECTIVE EMPLOYEES MAY FROM TIME TO TIME HAVE A LONG OR SHORT POSITION IN ANY SECURITY OR CONTRACT DISCUSSED IN THIS INFORMATION CIRCULAR.

THE INFORMATION CONTAINED IN THIS INFORMATION CIRCULAR SUPERSEDES ANY PREVIOUS SUCH INFORMATION DELIVERED TO ANY INVESTOR.

We provide information to you about the offered certificates in this information circular, which describes the specific terms of the offered certificates.

You should read this information circular in full to obtain material information concerning the offered certificates.

This information circular includes cross-references to sections in this information circular where you can find further related discussions. The Table of Contents in this information circular identifies the pages where these sections are located.

When deciding whether to invest in any of the offered certificates, you should only rely on the information contained in this information circular or as provided in “Description of the Mortgage Loan Seller and Guarantor—Freddie Mac Conservatorship” and “—Litigation Involving the Mortgage Loan Seller and Guarantor” in this information circular. We have not authorized any dealer, salesman or other person to give any information or to make any representation that is different. In addition, information in this information circular is current only as of the date on its cover. By delivery of this information circular, we are not offering to sell any securities, and are not soliciting an offer to buy any securities, in any state or other jurisdiction where the offer and sale is not permitted.

## SUMMARY OF INFORMATION CIRCULAR

This summary highlights selected information from this information circular and does not contain all of the information that you need to consider in making your investment decision. To understand all of the terms of the offered certificates, you should carefully read this information circular in its entirety prior to making an investment in any offered certificates, including the information set forth under “Summary of Risk Factors” and “Risk Factors” in this information circular. This summary provides an overview of certain information to aid your understanding and is qualified by the full description presented in this information circular.

### Transaction Overview

The offered certificates will be part of a series of multifamily mortgage pass-through certificates designated as the Series 2021-KF117 Multifamily Mortgage Pass-Through Certificates. The certificates will consist of 4 classes. The table below identifies and specifies various characteristics for those classes other than the class R certificates.

Class <sup>(1)</sup>	Total Initial Principal Balance or Notional Amount	Approximate % of Total Initial Principal Balance	Approximate Initial Credit Support	Pass-Through Rate or Description	Assumed Weighted Average Life (Years) <sup>(2)(3)</sup>	Assumed Principal Window <sup>(2)(4)</sup>	Assumed Final Distribution Date <sup>(2)(5)</sup>
<u>Offered Certificates:</u>							
AS	\$869,203,000	92.500%	7.500%	SOFR + 0.24000% <sup>(6)</sup>	9.41	35 - 119	June 25, 2031
XS	\$469,839,500	N/A	N/A	Variable IO	9.42	N/A	July 25, 2031
<u>Non-Offered Certificates:<sup>(7)</sup></u>							
CS	\$ 70,476,000	7.500%	0.000%	SOFR + 6.40000% <sup>(6)</sup>	9.44	35 - 120	July 25, 2031

- (1) The class R certificates are not represented in this table and are not being offered by this information circular. The class R certificates will not have a principal balance, notional amount or pass-through rate.
- (2) As to any given class of certificates shown in this table, the assumed weighted average life, the assumed principal window and the Assumed Final Distribution Date have been calculated based on the Modeling Assumptions, including, among other things, that—
  - (i) there are no voluntary or involuntary prepayments with respect to the underlying mortgage loans,
  - (ii) there are no delinquencies, modifications or losses with respect to the underlying mortgage loans,
  - (iii) there are no modifications, extensions, waivers or amendments affecting the monthly debt service or balloon payments by borrowers on the underlying mortgage loans, and
  - (iv) the certificates are not redeemed prior to their Assumed Final Distribution Date pursuant to the clean-up call described under the heading “—The Offered Certificates—Optional Termination” below.
- (3) As to the class AS and CS certificates, the assumed weighted average life is the average amount of time in years between the assumed settlement date for the certificates and the payment of each dollar of principal on that class. As to the class XS certificates, the assumed weighted average life is the average amount of time in years between the assumed settlement date for that class and the application of each dollar to be applied in reduction of the notional amount of that class.
- (4) As to the class AS and CS certificates, the assumed principal window is the period during which holders of that class are expected to receive distributions of principal.
- (5) As to the class AS and CS certificates, the Assumed Final Distribution Date is the distribution date on which the last distribution of principal and interest is assumed to be made on that class. As to the class XS certificates, the Assumed Final Distribution Date is the distribution date on which the last reduction to the notional amount of that class is expected to occur.
- (6) For each distribution date, SOFR will be determined as described in the definition of SOFR in this information circular. The pass-through rates for the class AS and CS certificates for each distribution date will be subject to pass-through rate caps equal to (a) with respect to the class AS certificates, the Weighted Average Net Mortgage Pass-Through Rate for such distribution date minus the Guarantee Fee Rate (*provided* that in no event will the class AS pass-through rate be less than zero) and (b) with respect to the class CS certificates, the Weighted Average Net Mortgage Pass-Through Rate for such distribution date (*provided* that in no event will the class CS pass-through rate be less than zero). SOFR for the first Interest Accrual Period for the class AS and CS certificates will be 0.02733% *per annum*.
- (7) There will be no class BS certificates issued by the issuing entity.

In reviewing the table above, please note that:

- Only the class AS and XS certificates are offered by this information circular.
- All of the classes of certificates shown in the table (other than the class XS certificates) will have principal balances. All of the classes of certificates shown in the table will bear interest. The class XS certificates constitute the “interest-only certificates.”
- The class AS and CS certificates will have principal balances (collectively, the “Principal Balance Certificates”). The class AS certificates are the sole class of Principal Balance Certificates offered by this information circular.
- The initial principal balance or notional amount of any class shown in the table may be larger or smaller depending on, among other things, the actual initial mortgage pool balance. The initial mortgage pool balance may be up to 5% more or less than the amount shown in the table on page 37. The initial mortgage pool balance refers to the aggregate outstanding principal balance of the underlying mortgage loans as of the Cut-off Date, after application of all payments of principal due with respect to the underlying mortgage loans on or before the Cut-off Date, whether or not received.
- Each class of certificates shown in the table will bear interest and such interest will accrue on the basis of a 360-day year and the actual number of days elapsed in the applicable Interest Accrual Period.
- Each class of certificates identified in the table as having a pass-through rate of SOFR plus a specified margin has a *per annum* pass-through rate equal to the lesser of—
  - (i) SOFR (or the Alternate Index, if applicable) plus the specified margin for that class set forth in that table; and
  - (ii) (a) with respect to the class AS certificates, the Weighted Average Net Mortgage Pass-Through Rate for the related distribution date minus the Guarantee Fee Rate and (b) with respect to the class CS certificates, the Weighted Average Net Mortgage Pass-Through Rate for the related distribution date;

*provided* that in no event will the class AS pass-through rate or the class CS pass-through rate be less than zero.
- To the extent that the pass-through rate for the class CS certificates for any distribution date is capped at the Weighted Average Net Mortgage Pass-Through Rate, the holders of such certificates will be entitled to an additional interest payment equal to the difference between (i) SOFR (or the Alternate Index, if applicable) plus the specified margin and (ii) the Weighted Average Net Mortgage Pass-Through Rate for such distribution date, to the extent of funds available for such payment as described in this information circular (such additional interest, “Additional Interest Accrual Amounts”). See “Description of the Certificates—Distributions” in this information circular.
- Upon conversion of the underlying mortgage loans to an Alternate Index, the Index used in calculating the pass-through rates for the class AS and CS certificates will also convert to an Alternate Index. The Alternate Index for the certificates is not required to be the same as the Alternate Index for the underlying mortgage loans and such Alternate Indexes may not move in tandem with each other. See “Description of the Certificates—Distributions—Calculation of Pass-Through Rates” in this information circular.
- For purposes of calculating the accrual of interest as of any date of determination, the class XS certificates will have a notional amount that is equal to (i) the total outstanding principal balance of the Principal Balance Certificates divided by (ii) the Reduction Factor. The “Reduction Factor” is 2.00, which will not change from month to month.
- The pass-through rate for the class XS certificates (the “Class XS Pass-Through Rate”) for each Interest Accrual Period will equal the product of (i) the weighted average of the Class XS Strip Rates (weighted based on the relative sizes of their respective components) and (ii) the Reduction Factor. The “Class XS Strip Rates” means, for the purposes of calculating the Class XS Pass-Through Rate, the *per annum* rates at which interest accrues from time to time on the two components of the notional amount of the class XS certificates outstanding immediately prior to the related distribution date. One component will be comprised of the outstanding principal balance of the class AS certificates and one component will be

comprised of the outstanding principal balance of the class CS certificates. For purposes of calculating the Class XS Pass-Through Rate for each Interest Accrual Period, (a) the Class XS Strip Rate with respect to the component related to the class AS certificates will be a *per annum* rate equal to the excess, if any, of (i) the Weighted Average Net Mortgage Pass-Through Rate for the related distribution date minus the Guarantee Fee Rate over (ii) the pass-through rate for the class AS certificates; and (b) the Class XS Strip Rate with respect to the component related to the class CS certificates will be a *per annum* rate equal to the excess, if any, of (i) the Weighted Average Net Mortgage Pass-Through Rate for the related distribution date over (ii) the pass-through rate for the class CS certificates. In no event will any Class XS Strip Rate be less than zero.

- The amount of interest allocated for distribution on the class XS certificates on any distribution date will be distributed in the following order of priority: *first*, to the class XS certificates, in an amount up to the Class XS Interest Distribution Amount, *second*, to the Guarantor, in an amount up to the Outstanding Guarantor Reimbursement Amount for such distribution date and *third*, to the class CS certificates, in an amount up to the amount of such class's Additional Interest Accrual Amount, if any, payable on such distribution date.
- “Weighted Average Net Mortgage Pass-Through Rate” means, with respect to each distribution date, the weighted average of the Net Mortgage Pass-Through Rates of all of the underlying mortgage loans (including any REO Loans) for such distribution date, weighted on the basis of their respective Stated Principal Balances immediately prior to that distribution date.
- “Net Mortgage Pass-Through Rate” means, with respect to any underlying mortgage loan (including any successor REO Loan, but excluding any portion of such REO Loan related to any related Non-Serviced Companion Loan), for each distribution date, a *per annum* rate equal to the greater of (i) the Net Mortgage Interest Rate for such underlying mortgage loan and (ii) the Original Net Mortgage Interest Rate for such underlying mortgage loan; *provided that* if the Net Mortgage Interest Rate for such underlying mortgage loan is less than the Original Net Mortgage Interest Rate for such underlying mortgage loan solely due to a reduction in such underlying mortgage loan's interest rate margin over SOFR (or the Alternate Index, if applicable) that occurs after the Cut-off Date but that was provided for in the related loan agreement as of the Cut-off Date (but, for the avoidance of doubt, that is not due to a modification of such underlying mortgage loan after the Cut-off Date), for purposes of this definition of Net Mortgage Pass-Through Rate, the Original Net Mortgage Interest Rate will also be deemed to be reduced by the amount of such reduction.
- “Net Mortgage Interest Rate” means, with respect to any underlying mortgage loan (including any successor REO Loan, but excluding any portion of such REO Loan related to any related Non-Serviced Companion Loan), as of any date of determination, the related mortgage interest rate (SOFR or the Alternate Index, as applicable, plus the specified margin) then in effect reduced by the sum of the annual rates at which the master servicer surveillance fee (if any), the special servicer surveillance fee (if any), the master servicing fee, the sub-servicing fee (including the Securitization Compensation portion of the sub-servicing fee) or, with respect to the Non-Serviced Loan, the sub-servicing fee rate applicable to the Non-Serviced Companion Loan under the Non-Serviced Companion Loan PSA, the certificate administrator fee, the trustee fee and the CREFC<sup>®</sup> Intellectual Property Royalty License Fee are calculated.
- “Original Net Mortgage Interest Rate” means, with respect to any underlying mortgage loan (including any successor REO Loan, but excluding any portion of such REO Loan related to any related Non-Serviced Companion Loan), the Net Mortgage Interest Rate in effect for such underlying mortgage loan as of the Cut-off Date (or, in the case of any underlying mortgage loan substituted in replacement of another underlying mortgage loan pursuant to or as contemplated by the mortgage loan purchase agreement, as of the date of substitution).

See “Description of the Certificates—Distributions—Calculation of Pass-Through Rates” in this information circular.

The document that will govern the issuance of the certificates, the creation of the related issuing entity and the servicing and administration of the underlying mortgage loans will be a pooling and servicing agreement to be dated as of July 1, 2021 (the “Pooling and Servicing Agreement”) among us, as depositor, Wells Fargo Bank, National Association, as master servicer, KeyBank National Association, as special servicer, Citibank, N.A., as trustee, certificate administrator and custodian, and Freddie Mac.

The certificates will evidence the entire beneficial ownership of the issuing entity that we intend to establish. The primary assets of that issuing entity will be a segregated pool of multifamily mortgage loans, including 2 underlying mortgage loans secured by manufactured housing community properties. Interest accrues on each underlying mortgage loan at a *per annum* rate equal to SOFR plus a specified margin (*provided* that if SOFR is determined to be below zero, the interest rates on the underlying mortgage loans will be equal to the margin). All of the underlying mortgage loans have the benefit of interest rate cap agreements purchased from third-party sellers (the “Interest Rate Cap Agreements”) that are currently in place. We will acquire the underlying mortgage loans, for deposit in the issuing entity, from the mortgage loan seller. As of the applicable due dates in July 2021 for the underlying mortgage loans (which will be July 1, 2021, subject, in some cases, to a next succeeding business day convention), which we refer to in this information circular as the “Cut-off Date,” the underlying mortgage loans will have the general characteristics discussed under the heading “—The Underlying Mortgage Loans” below.

As used in this information circular, the term “underlying mortgage loan” refers to the mortgage loans that will be assets of the issuing entity, which will be whole mortgage loans or, in the case of the Non-Serviced Loan (as defined below), the portion of the Non-Serviced Whole Loan (as defined below) that will be included in the issuing entity but not the related *pari passu* companion loan. The underlying mortgage loan secured by the mortgaged real property identified on Exhibit A-1 as “The Rheingold A-2” (the “Non-Serviced Loan”), representing 10.9% of the initial mortgage pool balance, and the related *pari passu* companion loan (the “Non-Serviced Companion Loan”) together constitute a whole loan (the “Non-Serviced Whole Loan”). The Non-Serviced Companion Loan will not be included in the issuing entity. The Non-Serviced Companion Loan is included in a trust previously established in connection with the issuance of the FREMF 2021-KF110 Mortgage Trust, Multifamily Mortgage Pass-Through Certificates, Series 2021-KF110 (the “Non-Serviced Companion Loan Securitization”) pursuant to the related pooling and servicing agreement (the “Non-Serviced Companion Loan PSA”). The Non-Serviced Companion Loan is *pari passu* in right of payment with the Non-Serviced Loan. The Non-Serviced Loan has an outstanding principal balance as of the Cut-off Date of \$102,205,000. The Non-Serviced Companion Loan has an outstanding principal balance as of the Cut-off Date of \$102,205,000.

**Relevant Parties/Entities**

<b>Issuing Entity</b> .....	FREMF 2021-KF117 Mortgage Trust, a New York common law trust, will be formed on the Closing Date pursuant to the Pooling and Servicing Agreement. See “Description of the Issuing Entity” in this information circular.
<b>Mortgage Loan Seller</b> .....	Freddie Mac, a corporate instrumentality of the United States created and existing under Title III of the Emergency Home Finance Act of 1970, as amended (the “ <u>Freddie Mac Act</u> ”), or any successor to it, will act as the mortgage loan seller. Freddie Mac will also act as the guarantor of the offered certificates (in such capacity, the “ <u>Guarantor</u> ”) and the servicing consultant with respect to the underlying mortgage loans. Freddie Mac will buy all of the offered certificates on the Closing Date and may, but is under no obligation to, purchase additional classes of certificates in the secondary market at any time following the Closing Date. Freddie Mac maintains an office at 8200 Jones Branch Drive, McLean, Virginia 22102. See “Description of the Mortgage Loan Seller and Guarantor” in this information circular.
<b>Depositor</b> .....	Credit Suisse First Boston Mortgage Securities Corp., a Delaware corporation, will create the issuing entity and transfer the underlying mortgage loans to the issuing entity. We are an affiliate of Credit Suisse Securities (USA) LLC, which will be one of the initial purchasers of the class CS certificates (together with PNC Capital Markets LLC, in such capacities, the “ <u>Initial Purchasers</u> ”) and is one of the placement agents for the SPCs. Our principal executive office is located at 11 Madison Avenue, 4th Floor, New York, New York 10010. All references to “we,” “us” and “our” in this information circular are intended to mean Credit Suisse First Boston Mortgage Securities Corp. See “Description of the Depositor” in this information circular.
<b>Originators</b> .....	Each underlying mortgage loan was originated by one of the Originators and was acquired by the mortgage loan seller. See “Description of the Underlying Mortgage Loans—Significant Originator” in this information circular for information regarding the Originator that has originated a significant portion of the mortgage pool. As of the Closing Date, certain of the underlying mortgage loans will be sub-serviced by various sub-servicers pursuant to sub-servicing agreements between the master servicer and each of the sub-servicers (each, a “ <u>Sub-Servicing Agreement</u> ”). Subject to meeting certain requirements, each Originator has the right to, and may, appoint itself or its affiliate as the sub-servicer for any of the underlying mortgage loans it originated. See “The Pooling and Servicing Agreement—Significant Sub-Servicer” and “—Summary of Significant Sub-Servicing Agreement” in this information circular for information regarding the sub-servicer that is sub-servicing a significant portion of the mortgage pool and information regarding the terms of the related Sub-Servicing Agreement. See Exhibit A-1 for the identity of the applicable Originator for each underlying mortgage loan.
<b>Master Servicer</b> .....	Wells Fargo Bank, National Association, a national banking association (“ <u>Wells Fargo Bank</u> ”), will act as the master servicer with respect to the underlying mortgage loans. Wells Fargo Bank also originated 3 of the underlying mortgage loans, collectively representing 7.2% of the initial

mortgage pool balance. Wells Fargo Bank also acts as the certificate administrator and custodian under the Non-Serviced Companion Loan PSA. Wells Fargo Bank is an affiliate of Wells Fargo Securities, LLC, which is one of the placement agents for the SPCs. The principal west coast commercial mortgage master servicing offices of Wells Fargo Bank are located at MAC A0293-080, 2001 Clayton Road, Concord, California 94520. The principal east coast commercial mortgage master servicing offices of Wells Fargo Bank are located at Three Wells Fargo, MAC D1050-084, 401 South Tryon Street, Charlotte, North Carolina 28202.

The Non-Serviced Whole Loan will not be serviced pursuant to the terms of the Pooling and Servicing Agreement. The Non-Serviced Whole Loan will be serviced pursuant to the Non-Serviced Companion Loan PSA and in accordance with the applicable servicing standards provided in the Non-Serviced Companion Loan PSA. However, the master servicer and the trustee, as applicable, will be required to make P&I Advances with respect to the Non-Serviced Loan as described in “—The Offered Certificates—Advances of Delinquent Monthly Debt Service Payments” below. See “Description of the Underlying Mortgage Loans—The Non-Serviced Whole Loan” in this information circular.

The master servicer will, in general, be responsible for servicing and administering the underlying mortgage loans (other than the Non-Serviced Loan) that are not Specially Serviced Mortgage Loans in accordance with the terms of the Pooling and Servicing Agreement. In addition, the master servicer will continue to perform certain servicing and administrative duties with respect to Specially Serviced Mortgage Loans including handling of loan payments, certain P&I Advances and Servicing Advances, loan-level record keeping and certain reporting obligations, all in accordance with the Pooling and Servicing Agreement.

As consideration for servicing the underlying mortgage loans, the master servicer will receive (i) a master servicing fee with respect to each underlying mortgage loan (including the Non-Serviced Loan) and (ii) a sub-servicing fee with respect to each underlying mortgage loan (other than the Non-Serviced Loan). The sub-servicing fee with respect to the Non-Serviced Loan will be paid to the sub-servicer of the Non-Serviced Whole Loan pursuant to the Non-Serviced Companion Loan PSA. In addition, the master servicer will receive a master servicer surveillance fee with respect to each Surveillance Fee Mortgage Loan, subject to the rights of the sub-servicers described in “The Pooling and Servicing Agreement—Servicing and Other Compensation and Payment of Expenses—The Servicing Fee” in this information circular. See “Description of the Certificates—Fees and Expenses” in this information circular for the applicable rates at which such fees accrue and “The Pooling and Servicing Agreement—Servicing and Other Compensation and Payment of Expenses—The Servicing Fee” in this information circular for further information regarding such fees.

The master servicing fee rate, the master servicer surveillance fee rate and the sub-servicing fee rate (including the Securitization Compensation portion of the sub-servicing fee) are components of the “Administration Fee Rate” set forth on Exhibit A-1. Such fees are

calculated on the same basis as interest on the applicable underlying mortgage loan and will be paid out of interest payments received from the related borrower prior to any distributions being made on the offered certificates. The master servicer will also be entitled to additional servicing compensation with respect to the underlying mortgage loans (other than the Non-Serviced Loan) in the form of borrower-paid fees as more particularly described in this information circular. See “The Pooling and Servicing Agreement—Servicing and Other Compensation and Payment of Expenses—Additional Servicing Compensation” and “—The Master Servicer” in this information circular. The Pooling and Servicing Agreement provides that the master servicer may consult with Freddie Mac (in its capacity as servicing consultant) with respect to the application of Freddie Mac Servicing Practices to any matters related to non-Specially Serviced Mortgage Loans (other than the Non-Serviced Loan).

**Special Servicer**..... KeyBank National Association, a national banking association (“KeyBank”), will act as the initial special servicer with respect to the underlying mortgage loans (other than the Non-Serviced Loan). KeyBank will also act as the Affiliated Borrower Loan Directing Certificateholder with respect to Affiliated Borrower Loans (other than the Non-Serviced Loan) that are not Affiliated Borrower Special Servicer Loans and may, if requested, act as the Directing Certificateholder Servicing Consultant. KeyBank is not an affiliate of the issuing entity, the depositor, the master servicer, the trustee, the custodian, the certificate administrator, the mortgage loan seller, any Originator or any sub-servicer. KeyBank also acts as the Non-Serviced Companion Loan Special Servicer. The principal servicing offices of KeyBank are located at 11501 Outlook Street, Suite 300, Overland Park, Kansas 66211.

The special servicer will, in general, be responsible for servicing and administering:

- underlying mortgage loans (other than the Non-Serviced Loan) that, in general, are in default or as to which default is reasonably foreseeable; and
- any real estate acquired by the issuing entity upon foreclosure of a Defaulted Loan (other than the Non-Serviced Loan).

The Non-Serviced Whole Loan, including the Non-Serviced Loan and the Non-Serviced Companion Loan, will not be specially serviced pursuant to the terms of the Pooling and Servicing Agreement, and instead will be specially serviced, if necessary, by the Non-Serviced Companion Loan Special Servicer. See “Description of the Underlying Mortgage Loans—The Non-Serviced Whole Loan” in this information circular.

As consideration for servicing each Specially Serviced Mortgage Loan and each underlying mortgage loan (other than the Non-Serviced Loan) as to which the corresponding mortgaged real property has become subject to a foreclosure proceeding, the special servicer will receive a special servicing fee. In addition, the special servicer will receive a special servicer surveillance fee with respect to each Surveillance Fee Mortgage Loan. The special servicer surveillance fee rate is a component of the “Administration Fee Rate” set forth on Exhibit A-1.

Such fees will be calculated on the same basis as interest on the applicable underlying mortgage loan and will generally be payable to the special servicer monthly from collections on the underlying mortgage loans. Additionally, the special servicer will, in general, be entitled to receive a workout fee with respect to each Specially Serviced Mortgage Loan that has been returned to performing status. The special servicer will also be entitled to receive a liquidation fee with respect to each Specially Serviced Mortgage Loan for which it obtains a full, partial or discounted payoff or otherwise recovers Liquidation Proceeds. However, no liquidation fee is payable in connection with certain purchases by the directing certificateholder, the mortgage loan seller or the special servicer. See “Description of the Certificates—Fees and Expenses” in this information circular for the applicable rates at which such fees accrue and “The Pooling and Servicing Agreement—Servicing and Other Compensation and Payment of Expenses—Principal Special Servicing Compensation” in this information circular for further information regarding such fees.

The special servicer may be terminated by the directing certificateholder, who may appoint a successor special servicer meeting the Successor Servicer Requirements, including Freddie Mac’s approval, which approval may not be unreasonably withheld or delayed. See “The Pooling and Servicing Agreement—Resignation, Removal and Replacement of Servicers; Transfer of Servicing Duties” and “—The Special Servicer” in this information circular.

The Pooling and Servicing Agreement provides that in certain circumstances the Approved Directing Certificateholder (if any) may, at its own expense, request that a person (which may be the special servicer) (in such capacity, the “Directing Certificateholder Servicing Consultant”) prepare and deliver a recommendation relating to a requested waiver of a “due-on-sale” or “due-on-encumbrance” clause or, with respect to non-Specially Serviced Mortgage Loans, a requested consent to certain major decisions affecting the underlying mortgage loans or the related mortgaged real properties (in either case, other than with respect to the Non-Serviced Loan). See “The Pooling and Servicing Agreement—Enforcement of “Due-on-Sale” and “Due-on-Encumbrance” Clauses” and “—Modifications, Waivers, Amendments and Consents” in this information circular.

If at any time an Affiliated Borrower Special Servicer Loan Event occurs (other than with respect to any Affiliated Borrower Special Servicer Loan Event that exists on the Closing Date and is described in the definition of Affiliated Borrower Special Servicer Loan Event), the Pooling and Servicing Agreement will require that the special servicer promptly resign as special servicer of the related Affiliated Borrower Special Servicer Loan and provides for the appointment of a successor Affiliated Borrower Special Servicer to act as the special servicer with respect to such Affiliated Borrower Special Servicer Loan. For further information relating to Affiliated Borrower Special Servicer Loan Events, see “The Pooling and Servicing Agreement—Resignation, Removal and Replacement of Servicers; Transfer of Servicing Duties—Resignation of the Master Servicer or the Special Servicer” and “—Removal of the Master Servicer, the Special Servicer and any Sub-Servicer” in this information circular.

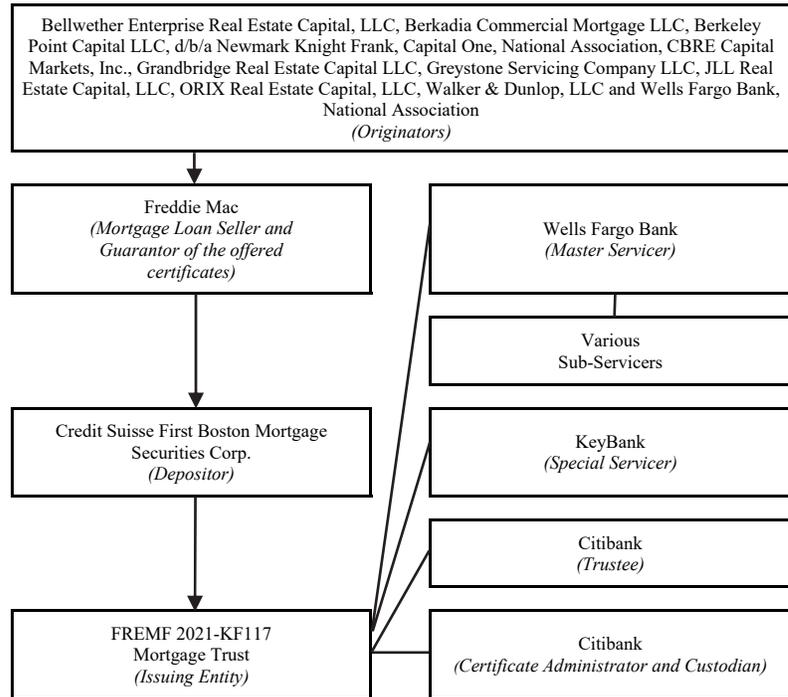
**Trustee, Certificate Administrator  
and Custodian.....**

Citibank, N.A., a national banking association (“Citibank”), will act as the trustee on behalf of the certificateholders. Citibank maintains a trust office at 388 Greenwich Street, New York, New York 10013. As consideration for acting as trustee, Citibank will receive a trustee fee. The trustee fee rate is a component of the “Administration Fee Rate” set forth on Exhibit A-1. Such fee will be calculated on the same basis as interest on the applicable underlying mortgage loan. See “Description of the Certificates—Fees and Expenses” in this information circular for the applicable rate at which such fee accrues and “The Pooling and Servicing Agreement—Matters Regarding the Trustee, the Certificate Administrator and the Custodian” in this information circular for further information regarding such fee.

Citibank will also act as the certificate administrator, the custodian and the certificate registrar. The certificate administrator’s principal address is 388 Greenwich Street, New York, New York 10013, and for certificate transfer purposes is 480 Washington Boulevard, 30th Floor, Jersey City, New Jersey 07310, Attention: Securities Window. As consideration for acting as certificate administrator, custodian and certificate registrar, Citibank will receive a certificate administrator fee. The certificate administrator fee rate is a component of the “Administration Fee Rate” set forth on Exhibit A-1. Such fee will be calculated on the same basis as interest on the applicable underlying mortgage loan. See “Description of the Certificates—Fees and Expenses” in this information circular for the applicable rate at which such fee accrues and “The Pooling and Servicing Agreement—Matters Regarding the Trustee, the Certificate Administrator and the Custodian” in this information circular for further information regarding such fee. See “The Pooling and Servicing Agreement—The Trustee, Certificate Administrator and Custodian” in this information circular for further information about the trustee, the certificate administrator and the custodian.

**Parties** .....

The following diagram illustrates the various parties involved in the transaction and their functions.



**Directing Certificateholder** .....

The directing certificateholder will be the Controlling Class Majority Holder (or its designee); *provided* that if the class AS certificates are the Controlling Class, Freddie Mac, as the holder of the class AS certificates, or its designee will act as the directing certificateholder and be deemed an Approved Directing Certificateholder. It is anticipated that Harbor Group International, LLC, a Delaware limited liability company, will be designated to serve as the initial directing certificateholder (the “Initial Directing Certificateholder”). For more information regarding the identity and selection of the directing certificateholder and the procedure for a Controlling Class Majority Holder becoming or designating an Approved Directing Certificateholder, see “The Pooling and Servicing Agreement—Realization Upon Mortgage Loans—Directing Certificateholder” in this information circular.

As and to the extent described under “The Pooling and Servicing Agreement—Realization Upon Mortgage Loans—Asset Status Report” in this information circular, the Approved Directing Certificateholder (if any) may direct the master servicer or the special servicer with respect to various servicing matters involving each of the underlying mortgage loans (other than the Non-Serviced Loan). A directing certificateholder that is not an Approved Directing Certificateholder will not have such rights with respect to such servicing matters, but will be entitled to exercise the Controlling Class Majority Holder Rights described in this information circular. With respect to the Non-Serviced Whole Loan, the directing certificateholder with respect to the Non-Serviced Companion Loan PSA (the “Non-Serviced Companion”) will not have such rights with respect to such servicing matters, but will be entitled to exercise the Controlling Class Majority Holder Rights described in this information circular.

Loan Directing Holder”) will have the rights described above for the Non-Serviced Loan as well as the Non-Serviced Companion Loan, and the directing certificateholder pursuant to the Pooling and Servicing Agreement will only have certain non-binding consultation rights conferred under the Non-Serviced Companion Loan PSA and the co-lender agreement, dated as of April 23, 2021 (the “Co-Lender Agreement”), between Freddie Mac, as the initial holder of the Non-Serviced Companion Loan, and Freddie Mac, as the initial holder of the Non-Serviced Loan, relating to the relative rights of such holders of the Non-Serviced Whole Loan, including certain non-binding consultation rights regarding the replacement of the special servicer with respect to the Non-Serviced Whole Loan. See “Description of the Underlying Mortgage Loans—The Non-Serviced Whole Loan” in this information circular.

Upon the occurrence and during the continuance of any Affiliated Borrower Loan Event with respect to any underlying mortgage loan, any right of the directing certificateholder to (i) approve, consent or consult with respect to certain actions with respect to such underlying mortgage loan and, in the case of the Non-Serviced Loan, the Non-Serviced Companion Loan, (ii) exercise an option to purchase from the issuing entity such underlying mortgage loan (if it is a Defaulted Loan) and, if applicable, the underlying mortgage loan(s) in the related Crossed Loan Group and, in the case of the Non-Serviced Loan, purchase the Non-Serviced Companion Loan from the holder of the Non-Serviced Companion Loan (the “Non-Serviced Companion Loan Holder”) at a specified price and (iii) access certain information and reports regarding such underlying mortgage loan and, in the case of the Non-Serviced Loan, the Non-Serviced Companion Loan, will be restricted as described in “The Pooling and Servicing Agreement—Realization Upon Mortgage Loans—Asset Status Report” and “—Purchase Option,” as applicable, in this information circular.

Upon the occurrence and during the continuance of an Affiliated Borrower Loan Event, the special servicer, as the Affiliated Borrower Loan Directing Certificateholder, will be required to exercise any approval, consent, consultation or other rights with respect to any matters related to an Affiliated Borrower Loan as described in “The Pooling and Servicing Agreement—Realization Upon Mortgage Loans—Asset Status Report” in this information circular.

As of the Closing Date, Affiliated Borrower Loan Events are expected to exist with respect to the Initial Directing Certificateholder and the Harbor Loans.

The Pooling and Servicing Agreement provides that in certain circumstances the Approved Directing Certificateholder (if any) may, at its own expense, request that the Directing Certificateholder Servicing Consultant prepare and deliver a recommendation relating to a requested waiver of a “due-on-sale” or “due-on-encumbrance” clause or, with respect to non-Specially Serviced Mortgage Loans, a requested consent to certain major decisions affecting the underlying mortgage loans or the related mortgaged real properties (in either case, other than with respect to the Non-Serviced Loan). See “The Pooling and Servicing Agreement—Enforcement of “Due-on-Sale” and “Due-on-Encumbrance” Clauses” and “—Modifications, Waivers, Amendments

and Consents” in this information circular. The Approved Directing Certificateholder will be entitled to certain borrower-paid fees in connection with such assumptions, modifications, waivers, amendments or consents. See “Description of the Certificates—Fees and Expenses” in this information circular.

**Guarantor**..... Freddie Mac will act as Guarantor of the offered certificates. Freddie Mac is entitled to a Guarantee Fee described under “Description of the Certificates—Distributions—Freddie Mac Guarantee” in this information circular. For a discussion of the Freddie Mac Guarantee, see “—The Offered Certificates—Freddie Mac Guarantee” below and “Description of the Mortgage Loan Seller and Guarantor—Proposed Operation of Multifamily Mortgage Business on a Stand-Alone Basis” in this information circular. Freddie Mac will also be entitled to retain any MHC Tenant Protections Fees and any Affordability Noncompliance Fees, as applicable, as additional compensation for serving as Guarantor as more particularly described in this information circular. See “Description of the Certificates—Fees and Expenses” in this information circular for further information regarding such fees.

**Junior Loan Holder** ..... Although all of the underlying mortgage loans are secured by first liens on the related mortgaged real properties, if the related borrowers exercise their options to obtain supplemental secured financing as described under “Description of the Underlying Mortgage Loans—Certain Terms and Conditions of the Underlying Mortgage Loans—Permitted Additional Debt” in this information circular, Freddie Mac will be the initial holder of junior loans secured by junior liens on the applicable mortgaged real properties (subject to intercreditor agreements). Freddie Mac may at any time transfer any junior lien loans it holds in secondary market transactions, including securitizations.

**Significant Dates and Periods**

**Cut-off Date**..... The underlying mortgage loans will be considered assets of the issuing entity as of their applicable due dates in July 2021 (which will be July 1, 2021, subject, in some cases, to a next succeeding business day convention). All payments and collections received on each of the underlying mortgage loans after the Cut-off Date, excluding any payments or collections that represent amounts due on or before the Cut-off Date, will belong to the issuing entity; *provided, however*, that the Retained Interest Amount is required to be remitted to the mortgage loan seller in accordance with the requirements of the Pooling and Servicing Agreement.

**Closing Date** ..... The date of initial issuance for the certificates will be on or about July 29, 2021.

**Due Dates**..... Subject, in some cases, to a next succeeding business day convention, monthly installments of principal and/or interest will be due on the first day of the month with respect to each of the underlying mortgage loans.

**Determination Date** ..... The monthly cut-off for collections on the underlying mortgage loans that are to be distributed, and information regarding the underlying mortgage loans that is to be reported, to the certificateholders on each distribution date will be the close of business on the determination date in the same month as that distribution date. The determination date will

be the 11th calendar day of each month, commencing in August 2021, or, if the 11th calendar day of any such month is not a Business Day, then the next succeeding Business Day.

**Distribution Date** ..... Distributions of principal and/or interest on the certificates are scheduled to occur monthly, commencing in August 2021. The distribution date will be the 25th calendar day of each month, or, if the 25th calendar day of any such month is not a Business Day, then the next succeeding Business Day.

**Record Date** ..... The record date for each monthly distribution on a certificate will be the last Business Day of the prior calendar month. The registered certificateholders at the close of business on each record date will be entitled to receive any distribution on those certificates on the following distribution date, except that the final distribution on any offered certificate will be made only upon presentation and surrender of that certificate at a designated location.

**Collection Period** ..... Amounts available for distribution on the certificates on any distribution date will depend on the payments and other collections received, and any advances of payments due, on or with respect to the underlying mortgage loans during the related Collection Period. Each Collection Period—

- will relate to a particular distribution date;
- will begin when the prior Collection Period ends or, in the case of the first Collection Period, will begin on the Cut-off Date; and
- will end at the close of business on the determination date that occurs in the same month as the related distribution date.

**Interest Accrual Period** ..... The amount of interest payable with respect to the interest-bearing classes of certificates on any distribution date will be a function of the interest accrued during the related Interest Accrual Period. The “Interest Accrual Period” means, (i) with respect to the certificates and each distribution date, the period beginning on and including the 25th day of the month preceding the month in which such distribution date occurs (or beginning on and including the Closing Date, in the case of the first distribution date) and ending on and including the 24th day of the month in which such distribution date occurs, and (ii) with respect to any underlying mortgage loan and any due date, the calendar month immediately preceding the month in which such due date occurs.

**Assumed Final Distribution Date** ..... For each class of offered certificates, the applicable date set forth on the cover page.

#### **The Offered Certificates**

**General** ..... The certificates offered by this information circular are the class AS and XS certificates. Each class of offered certificates will have the initial principal balance or notional amount and pass-through rate set forth or described in the table on page 5 or otherwise described above under “—Transaction Overview.” There are no other securities offered by this information circular.

**Collections** ..... The master servicer or the special servicer, as applicable, will be required to make reasonable efforts in accordance with the Servicing Standard to collect all payments due under the terms and provisions of the underlying mortgage loans (other than the Non-Serviced Loan, which will not be serviced by the master servicer or the special servicer, as applicable, but instead is serviced pursuant to the terms of the Non-Serviced Companion Loan PSA). Such payments, together with any remittances from the Non-Serviced Companion Loan Master Servicer in respect of the Non-Serviced Loan, will be deposited in the collection account on a daily basis.

**Distributions** ..... Funds collected or advanced on the underlying mortgage loans will be distributed on each corresponding distribution date, net of (i) specified issuing entity expenses, including master servicing fees, special servicing fees, sub-servicing fees, master servicer surveillance fees, special servicer surveillance fees, certificate administrator fees, trustee fees, Guarantee Fees, CREFC® Intellectual Property Royalty License Fees, certain expenses, related compensation and indemnities, (ii) amounts used to reimburse advances made by the master servicer or the trustee and (iii) amounts used to reimburse Balloon Guarantor Payments and certain other Guarantor Payments, as well as interest on such reimbursement amounts.

**Priority of Distributions and Subordination** ..... In general, if no Waterfall Trigger Event has occurred and is continuing, the class AS and CS certificates will be entitled to receive principal collected or advanced in respect of performing underlying mortgage loans on a *pro rata* basis, based on their respective outstanding principal balances relative to the total outstanding principal balance of the Principal Balance Certificates. However, if a Waterfall Trigger Event has occurred and is continuing, the class AS and CS certificates will be entitled to receive, first, to the class AS certificates, and then to the class CS certificates, principal collected or advanced with respect to performing underlying mortgage loans, in each case until their respective outstanding principal balances have been reduced to zero. Whether or not a Waterfall Trigger Event has occurred and is continuing, the class AS and CS certificates will be generally entitled to receive, first, to the class AS certificates, and then to the class CS certificates, principal collected or advanced in respect of certain Specially Serviced Mortgage Loans, in each case until their respective outstanding principal balances have been reduced to zero. Distributions of principal to the class CS certificates in all cases will follow reimbursement to Freddie Mac of guarantee payments with respect to the class AS and XS certificates.

“Waterfall Trigger Event” means, with respect to any distribution date, the existence of any of the following: (i) the number of underlying mortgage loans (other than Specially Serviced Mortgage Loans) held by the issuing entity as of the related determination date is less than or equal to 6 or (ii) the aggregate Stated Principal Balance of the underlying mortgage loans (other than Specially Serviced Mortgage Loans) as of the related determination date is less than or equal to 15.0% of the aggregate Cut-off Date Principal Balance of all underlying mortgage loans outstanding on the Cut-off Date.

In general, the allocation of interest distributions between the class AS and XS certificates is to be made concurrently on a *pro rata* basis based on the interest accrued with respect to each such class subject, in the case of the class XS certificates, to the payment of certain amounts payable to the class CS certificates and to Freddie Mac in accordance with the payment priorities with respect to interest otherwise payable on the class XS certificates on such distribution date, as further described in “Description of the Certificates—Distributions—Priority of Distributions” in this information circular. Interest distributions on the class CS certificates (including any Unpaid Interest Shortfalls) will be made (prior to payment of any Additional Interest Accrual Amounts) following interest distributions on the class AS and XS certificates to which such classes are entitled on the applicable distribution date and following reimbursement to Freddie Mac of guarantee payments with respect to the class AS and XS certificates. See “Description of the Certificates—Distributions—Priority of Distributions” in this information circular.

The class XS certificates do not have a principal balance and do not entitle holders of such certificates to distributions of principal.

No form of credit enhancement will be available to you as a holder of offered certificates, other than (a) the subordination of the class CS certificates and (b) the Freddie Mac Guarantee, as described under “—Freddie Mac Guarantee” below and “Description of the Certificates—Distributions—Freddie Mac Guarantee” in this information circular.

**Freddie Mac Guarantee .....**

It is a condition to the issuance of the offered certificates that they be purchased by Freddie Mac and that Freddie Mac guarantee certain payments on the offered certificates, as described in this information circular (the “Freddie Mac Guarantee”). Any Guarantor Payment made to the class AS certificates in respect of principal will reduce the outstanding principal balance of such class by a corresponding amount and will also result in a corresponding reduction in the notional amount of the corresponding component of the class XS certificates. The Freddie Mac Guarantee does not cover Static Prepayment Premiums or any other prepayment premiums related to the underlying mortgage loans. In addition, the Freddie Mac Guarantee does not cover any loss of yield on the class XS certificates due to the payment of Additional Interest Accrual Amounts to the class CS certificates or a reduction in the notional amount of the class XS certificates resulting from a reduction of the outstanding principal balance of any class of Principal Balance Certificates. See “Description of the Certificates—Distributions—Freddie Mac Guarantee” in this information circular.

Freddie Mac is entitled to a Guarantee Fee, any MHC Tenant Protections Fees and any Affordability Noncompliance Fees, as applicable, as described under “Description of the Certificates—Fees and Expenses” and “—Distributions—Freddie Mac Guarantee” in this information circular.

The offered certificates are not guaranteed by the United States and do not constitute debts or obligations of the United States or any agency or instrumentality of the United States other than Freddie Mac. If Freddie Mac were unable to pay under the Freddie Mac Guarantee, the offered certificates could be subject to losses.

Freddie Mac will not guarantee any class of certificates other than the offered certificates.

**Interest Distributions** ..... Each class of offered certificates will bear interest that will accrue on an Actual/360 Basis during each Interest Accrual Period based on:

- the pass-through rate with respect to that class for that Interest Accrual Period; and
- the outstanding principal balance or notional amount, as the case may be, of that class outstanding immediately prior to the related distribution date.

Although the loan documents require the payment of a full month's interest on any voluntary prepayment not made on a due date, a whole or partial prepayment on an underlying mortgage loan may not be accompanied by the amount of a full month's interest on the prepayment in some instances. To the extent those shortfalls are not covered by the master servicer as described under "The Pooling and Servicing Agreement—Servicing and Other Compensation and Payment of Expenses" in this information circular, they will be allocated as described under "Description of the Certificates—Distributions—Interest Distributions" in this information circular to reduce the amount of accrued interest otherwise payable to the holders of one or more of the interest-bearing classes of certificates, including the offered certificates. However, such shortfalls with respect to the offered certificates will be covered under the Freddie Mac Guarantee.

If, for any distribution date, with respect to the class CS certificates, the Weighted Average Net Mortgage Pass-Through Rate for such distribution date is less than SOFR (or the Alternate Index, if applicable) plus the specified margin for such class of certificates, such class will be entitled to an Additional Interest Accrual Amount for such distribution date to the extent funds are available for the payment of such amount from the amount of interest otherwise payable to the class XS certificates on such distribution date in accordance with the payment priorities further described in "Description of the Certificates—Distributions—Priority of Distributions" in this information circular.

To the extent that funds are not available to pay any Additional Interest Accrual Amount on any distribution date on the class CS certificates, such Additional Interest Accrual Amount will not be distributable on future distribution dates.

The "Additional Interest Accrual Amount" means, with respect to each distribution date and the class CS certificates, the amount, if any, by which interest on the outstanding principal balance of such class for the related Interest Accrual Period calculated at a rate of SOFR (or the Alternate Index, if applicable) plus the specified margin for such class exceeds the amount of interest accrued on the outstanding principal balance of such class at the Weighted Average Net Mortgage Pass-Through Rate for such distribution date.

The amount of interest payable to the class XS certificates on any distribution date will be the Class XS Interest Distribution Amount. The "Class XS Interest Distribution Amount" means, for each

distribution date, the sum of (a) the excess, if any, of (i) the Class XS Interest Accrual Amount for such distribution date over (ii) the Additional Interest Accrual Amount, if any, for the class CS certificates with respect to such distribution date and (b) the amount described in clause (a) above for all prior distribution dates that remains unpaid on such distribution date.

“Class XS Interest Accrual Amount” means, for each distribution date, an amount equal to interest accrued during the related Interest Accrual Period on the notional amount of the class XS certificates immediately prior to such distribution date at the Class XS Pass-Through Rate, minus any Net Aggregate Prepayment Interest Shortfalls allocated to the class XS certificates. The Class XS Interest Accrual Amount will be calculated on an Actual/360 Basis.

On each distribution date, subject to available funds and the distribution priorities described under “—Priority of Distributions and Subordination” above, holders of the offered certificates will be entitled to receive their proportionate share of all unpaid distributable interest accrued with respect to those classes of offered certificates for the related Interest Accrual Period if such amounts were not paid pursuant to the Freddie Mac Guarantee. See “Description of the Certificates—Distributions—Interest Distributions” and “—Distributions—Priority of Distributions” in this information circular.

**Principal Distributions** ..... Subject to—

- available funds,
- the distribution priorities described under “—Priority of Distributions and Subordination” above, and
- the reductions to the outstanding principal balances described under “—Reductions of Certificate Principal Balances in Connection with Losses and Expenses” below,

the class AS certificates will be entitled to a total amount of principal distributions over time equal to the outstanding principal balance of such class.

The total distributions of principal to be made on the certificates on any distribution date will, in general, be a function of—

- the amount of scheduled payments of principal due or, in some cases, deemed due, on the underlying mortgage loans during the related Collection Period, which payments are either received as of the end of that Collection Period, advanced by the master servicer and/or the trustee, as applicable, or are the subject of a Balloon Guarantor Payment, and
- the amount of any prepayments and other unscheduled collections of previously unadvanced principal with respect to the underlying mortgage loans that are received during the related Collection Period.

However, if the master servicer or the trustee is reimbursed for any Nonrecoverable Advance or Workout-Delayed Reimbursement Amount (in each case, together with accrued interest on such amounts), such amount will be deemed to be reimbursed first out of payments and

other collections of principal on all the underlying mortgage loans (thereby reducing the amount of principal otherwise distributable on the Principal Balance Certificates on the related distribution date), prior to being deemed reimbursed out of payments and other collections of interest on all the underlying mortgage loans. See “Description of the Certificates—Advances of Delinquent Monthly Debt Service Payments” and “The Pooling and Servicing Agreement—Servicing and Other Compensation and Payment of Expenses—Servicing Advances” in this information circular.

If any borrower fails to pay the entire outstanding principal balance of any Balloon Loan on its scheduled maturity date, the Guarantor will be required, pursuant to the Freddie Mac Guarantee, to make a Balloon Guarantor Payment in an amount equal to the amount of principal that otherwise would have been paid on the class AS certificates if such Balloon Loan had been paid in full on its scheduled maturity date. However, such payment may not exceed the outstanding principal balance of the class AS certificates less any principal scheduled to be distributed to the class AS certificates on such distribution date. The amount of any such Balloon Guarantor Payment made to the class AS certificates will reduce the outstanding principal balance of the class AS certificates by the corresponding amount and will also result in a corresponding reduction in the notional amount of the class XS certificates. See “Description of the Certificates—Distributions—Freddie Mac Guarantee” in this information circular. Each Balloon Guarantor Payment will be reimbursed to the Guarantor first from subsequent collections on the related Balloon Loan, net of any such collections used to reimburse the master servicer or the trustee, as applicable, for advances made by them (including interest on those advances) on such Balloon Loan or on other underlying mortgage loans if determined to be nonrecoverable (and therefore the principal portion of any such subsequent collections will not be included in the Principal Distribution Amount for future distribution dates) and second as described under “Description of the Certificates—Distributions—Priority of Distributions” in this information circular.

The certificate administrator will be required to make *pro rata* principal distributions on each distribution date, so long as no Waterfall Trigger Event has occurred and is continuing, on the class AS and CS certificates, based on their respective outstanding principal balances relative to the total outstanding principal balance of the Principal Balance Certificates and taking account of whether the payments (or advances in lieu of the payments) and other collections of principal that are to be distributed were received and/or made with respect to the underlying mortgage loans, that generally equal an amount (in any event, not to exceed the principal balances of the class AS and CS certificates outstanding immediately prior to such distribution date) equal to the Performing Loan Principal Distribution Amount for such distribution date; *provided* that distributions to the class CS certificates will follow reimbursement to Freddie Mac of guarantee payments with respect to the class AS and XS certificates. However, if a Waterfall Trigger Event has occurred and is continuing, the class AS certificates will be entitled to receive the entire Performing Loan Principal Distribution Amount for each distribution date until the outstanding principal balance of the class AS certificates has been reduced to zero. Thereafter, following reimbursement to Freddie Mac of guarantee

payments with respect to the class AS and XS certificates, any remaining portion of the Performing Loan Principal Distribution Amount will be allocated to the class CS certificates until the outstanding principal balance of such class has been reduced to zero. Further, the class AS certificates will always be entitled to receive the entire portion of the Specially Serviced Loan Principal Distribution Amount for each distribution date until the outstanding principal balance of the class AS certificates has been reduced to zero, at which time, following reimbursement to Freddie Mac of guarantee payments with respect to the offered certificates, the class CS certificates will be entitled to receive any remaining portion of the Specially Serviced Loan Principal Distribution Amount, until the outstanding principal balance of such class has been reduced to zero.

The class XS certificates do not have a principal balance and are not entitled to any distributions of principal.

See “Description of the Certificates—Distributions—Principal Distributions” and “—Priority of Distributions” in this information circular.

**Distributions of Static Prepayment**

**Premiums**..... Any Static Prepayment Premiums received by the applicable servicer in respect of any of the underlying mortgage loans will be distributed to the holders of the class XS certificates. See “Description of the Certificates—Distributions—Distributions of Static Prepayment Premiums” in this information circular. Pursuant to the Pooling and Servicing Agreement, certificateholders representing a majority, by outstanding notional amount, of the class XS certificates will have the right, in their sole discretion, to direct the master servicer or the special servicer, as applicable, to waive any obligation of the related borrower to pay a Static Prepayment Premium in connection with any prepayment of any underlying mortgage loan.

**Reductions of Certificate Principal Balances in Connection with**

**Losses and Expenses** ..... As and to the extent described under “Description of the Certificates—Reductions of Certificate Principal Balances in Connection with Realized Losses and Additional Issuing Entity Expenses” in this information circular, losses on, and default-related or other unanticipated issuing entity expenses attributable to, the underlying mortgage loans will, in general, be allocated on each distribution date, after making distributions on such distribution date, to reduce the outstanding principal balances of the Principal Balance Certificates, sequentially, in the following order:

<b>Reduction Order</b>	<b>Class</b>
1 <sup>st</sup>	class CS certificates
2 <sup>nd</sup>	class AS certificates

Any reduction of the outstanding principal balance of the class AS or CS certificates will result in a corresponding reduction in the notional amount of the corresponding component of the class XS certificates.

However, Freddie Mac will be required under the Freddie Mac Guarantee to pay the holder of any class AS certificate an amount equal to any such loss allocated to its class AS certificates as set forth in “Description of the Certificates—Distributions—Freddie Mac Guarantee” in this information circular.

**Advances of Delinquent Monthly  
Debt Service Payments .....**

Except as described below in this “—Advances of Delinquent Monthly Debt Service Payments” section, the master servicer will be required to make advances with respect to any delinquent scheduled monthly payments, other than certain payments (including balloon payments), of principal and/or interest due on the underlying mortgage loans. The master servicer will be required to make advances of assumed monthly payments for those underlying mortgage loans that become defaulted upon their maturity dates on the same amortization schedule as if the maturity date had not occurred. In addition, the trustee will be required to make any of those advances to the extent that the master servicer fails to make such advances, in each case subject to a nonrecoverability determination. As described under “Description of the Certificates—Advances of Delinquent Monthly Debt Service Payments” in this information circular, if the master servicer or the trustee, as applicable, makes an advance, it will be entitled to be reimbursed for the advance, together with interest at the Prime Rate.

However, neither the master servicer nor the trustee will be required to advance master servicing fees, master servicer surveillance fees, special servicer surveillance fees or sub-servicing fees. Moreover, neither the master servicer nor the trustee will be required to make any advance if the master servicer, the trustee or the special servicer determines that such advance is or would constitute a Nonrecoverable Advance. In addition, the trustee may conclusively rely on any determination made by the master servicer that an advance would constitute a Nonrecoverable Advance, and the master servicer and the trustee will be required to conclusively rely on any determination made by the special servicer that an advance would constitute a Nonrecoverable Advance.

In addition, with respect to the Non-Serviced Loan, if the Non-Serviced Companion Loan Master Servicer or the Non-Serviced Companion Loan Special Servicer, as applicable, determines that an advance of principal or interest previously made or proposed to be made with respect to the Non-Serviced Companion Loan is nonrecoverable, then the master servicer or the trustee under the Pooling and Servicing Agreement may, based upon such determination, determine that any P&I Advance previously made or proposed to be made with respect to the Non-Serviced Loan will be a Nonrecoverable P&I Advance.

In addition, if any of the adverse events or circumstances that we refer to under “The Pooling and Servicing Agreement—Required Appraisals” in this information circular occur or exist with respect to any underlying mortgage loan (other than the Non-Serviced Loan), the special servicer will generally be obligated to use reasonable efforts to obtain a new appraisal or, in some cases involving an underlying mortgage loan with an outstanding principal balance (or an allocated loan amount, if applicable) of less than \$2,000,000, conduct an internal valuation of the related mortgaged real property. With respect to the Non-Serviced Whole Loan, the Non-Serviced Companion Loan Special Servicer will be obligated to obtain any such appraisal. If, based on that appraisal or internal valuation, it is determined that an Appraisal Reduction Amount exists with respect to such underlying mortgage loan, then the amount otherwise required to be advanced (subject to a nonrecoverability determination) with respect to interest on such

underlying mortgage loan will be reduced. That reduction will generally be in the same proportion that the Appraisal Reduction Amount bears to the Stated Principal Balance of such underlying mortgage loan or the Non-Serviced Whole Loan, as applicable. Pursuant to the Non-Serviced Companion Loan PSA, the Non-Serviced Whole Loan will be treated as a single mortgage loan for purposes of calculating an appraisal reduction amount. Any appraisal reduction calculated with respect to the Non-Serviced Whole Loan will generally be allocated between the Non-Serviced Loan and the Non-Serviced Companion Loan on a *pro rata* basis based on their respective outstanding principal balances. Due to the distribution priorities, any such reduction in advances will first reduce the funds available to pay interest on the most subordinate interest-bearing class of certificates outstanding and then on the other classes of certificates in reverse sequential order, as follows:

Reduction Order	Class
1 <sup>st</sup>	class CS certificates
2 <sup>nd</sup>	class AS and XS certificates

Any reduction of the funds available to pay interest on the class AS and XS certificates will be made on a *pro rata* basis based on the relative amounts of interest to which each such class is entitled from the applicable underlying mortgage loans at the time of the reduction.

There will be no such reduction in any advance for delinquent monthly debt service payments due to an Appraisal Reduction Event at any time after the outstanding principal balance of the class CS certificates has been reduced to zero.

See “Description of the Certificates—Advances of Delinquent Monthly Debt Service Payments” and “The Pooling and Servicing Agreement—Required Appraisals” in this information circular.

**Reports to Certificateholders.....**

On each distribution date, the certificate administrator will be required to provide or make available to any Privileged Person a monthly report substantially in the form of and containing the information substantially as set forth on Exhibit B. The certificate administrator’s report will be required to detail, among other things, the distributions made to the certificateholders on that distribution date and the performance of the underlying mortgage loans and the mortgaged real properties. The certificate administrator will also be required to make available to any Privileged Person, via its website initially located at <https://sf.citidirect.com>, certain underlying mortgage loan information as presented in the standard CREFC Investor Reporting Package® in accordance with the Pooling and Servicing Agreement.

You may also review via the certificate administrator’s website or, upon reasonable prior notice, at the master servicer’s, the special servicer’s, the certificate administrator’s or the custodian’s offices during normal business hours, a variety of information and documents that pertain to the underlying mortgage loans and the mortgaged real properties. Borrower operating statements, rent rolls and property inspection reports will be available at the office of the master servicer or the special servicer, as applicable, and may be available on the master servicer’s website or the special servicer’s website, as applicable. There are restrictions on the information that may be made available to you if you are a borrower or an affiliate of a borrower with respect to an underlying mortgage loan.

See “Description of the Certificates—Reports to Certificateholders and Freddie Mac; Available Information” in this information circular.

**Deal Information/Analytics**..... Certain information concerning the underlying mortgage loans and the certificates may be available through the following services:

- BlackRock Financial Management, Inc., Bloomberg, L.P., Moody’s Analytics, Trepp, LLC, Intex Solutions, Inc., CMBS.com, Thomson Reuters Corporation, DealView Technologies Ltd. and KBRA Analytics, LLC;
- the certificate administrator’s website initially located at <https://sf.citidirect.com>;
- the master servicer’s website initially located at [www.wellsfargo.com/com](http://www.wellsfargo.com/com); and
- the special servicer’s website initially located at [www.key.com/key2cre](http://www.key.com/key2cre).

Any information that may be made available through the services listed above is for informational purposes only. None of the depositor, the placement agents for the SPCs, the Initial Purchasers, Freddie Mac, the master servicer, the special servicer, the trustee or the certificate administrator makes any representation or warranty about any such information.

**Sale of Defaulted Loans**..... If any underlying mortgage loan (other than the Non-Serviced Loan) becomes a Defaulted Loan, then (subject to the rights of Freddie Mac and any related Junior Loan Holder as described below) the directing certificateholder will have an assignable option to purchase such underlying mortgage loan from the issuing entity at the price and on the terms, including the restrictions applicable to Affiliated Borrower Loans and any applicable time limits, described in “The Pooling and Servicing Agreement—Realization Upon Mortgage Loans—Purchase Option” in this information circular. If the fair value price to be paid by the directing certificateholder or any assignee for such underlying mortgage loan is less than 99% of the Purchase Price for such underlying mortgage loan, then Freddie Mac will also have the right to purchase such underlying mortgage loan. In addition, any Junior Loan Holder holding a subordinate lien on the related mortgaged real property will have the first option to purchase such underlying mortgage loan from the issuing entity; *provided* that if any such Junior Loan Holder elects not to exercise its purchase option, then the holder of the next most subordinate Junior Loan (if any) will be entitled to exercise such option. The directing certificateholder, Freddie Mac and any Junior Loan Holder may each assign their respective purchase options.

If the Non-Serviced Whole Loan becomes delinquent as to any balloon payment or becomes 60 days delinquent as to any other monthly debt service payment (in each case without giving effect to any applicable grace period) or becomes a specially serviced mortgage loan under the Non-Serviced Companion Loan PSA as a result of any non-monetary event of default, the directing certificateholder (or its designee) will have the option to purchase the Non-Serviced Loan together with the Non-Serviced Companion Loan on similar terms, subject to the rights of the Non-Serviced Companion Loan Directing Holder (or its

designee), Freddie Mac and any related Junior Loan Holder to purchase the Non-Serviced Loan and the Non-Serviced Companion Loan as and to the extent set forth in “The Pooling and Servicing Agreement—Realization Upon Mortgage Loans—Purchase Option” in this information circular.

In addition, if any portion of the Non-Serviced Whole Loan becomes a defaulted loan under the Non-Serviced Companion Loan PSA and the Non-Serviced Companion Loan Special Servicer determines to sell such mortgage loan, the Non-Serviced Companion Loan Special Servicer will be required to sell the Non-Serviced Loan together with the Non-Serviced Companion Loan.

A Defaulted Loan in a Crossed Loan Group may be purchased in the manner described above while any other underlying mortgage loan in such Crossed Loan Group remains in the issuing entity only if (i) the special servicer modifies, upon such purchase, the related loan documents in a manner whereby such Defaulted Loan to be purchased, on the one hand, and any underlying mortgage loan in the related Crossed Loan Group that remains in the issuing entity, on the other, would no longer be cross-collateralized or cross-defaulted with one another, but in the event that more than one underlying mortgage loan in such Crossed Loan Group remains in the issuing entity, all underlying mortgage loans in such Crossed Loan Group that remain in the issuing entity will continue to be cross-collateralized and cross-defaulted with one another and (ii) the purchaser of such Defaulted Loan will have furnished to each of the trustee, the certificate administrator, the master servicer and the special servicer, at such purchaser’s expense, an opinion of counsel that such modification will not cause an Adverse REMIC Event.

See “The Pooling and Servicing Agreement—Realization Upon Mortgage Loans” in this information circular.

**Repurchase Obligation.....**

If the mortgage loan seller has been notified of, or itself has discovered, a defect in any mortgage file or a breach of any of its representations and warranties that materially and adversely affects the value of any underlying mortgage loan (including any foreclosure property acquired in respect of any foreclosed mortgage loan) or any interests of the holders of any class of certificates, then the mortgage loan seller will be required to either cure such breach or defect, repurchase the affected underlying mortgage loan (or, in the case of the Non-Serviced Loan, if the Non-Serviced Whole Loan has been converted to an REO Property, the issuing entity’s allocable interest in such REO Property) from the issuing entity or, except with respect to the Non-Serviced Loan, within two years of the Closing Date, substitute for the affected underlying mortgage loan with another mortgage loan. If the mortgage loan seller opts to repurchase any affected underlying mortgage loan, such repurchase would have the same effect on the certificates as a prepayment in full of such underlying mortgage loan (without payment of any applicable Static Prepayment Premium). See “Description of the Underlying Mortgage Loans—Cures, Repurchases and Substitutions” in this information circular.

**Optional Termination**..... (i) The Controlling Class Majority Holder (excluding Freddie Mac), (ii) the special servicer and (iii) the master servicer, in that order, will each in turn have the option to purchase all of the underlying mortgage loans and the issuing entity’s interest in all other property remaining in the issuing entity on any distribution date on which the total Stated Principal Balance of the underlying mortgage loans is less than 1.0% of the initial mortgage pool balance.

If any party so entitled exercises this option, the issuing entity will terminate and all outstanding certificates will be retired, as described in more detail under “The Pooling and Servicing Agreement—Termination” in this information circular.

In addition, with the satisfaction of the conditions set forth in the proviso to the definition of Sole Certificateholder and with the consent of the master servicer, the Sole Certificateholder (excluding Freddie Mac) may exchange all of its certificates (other than the class R certificates) for all of the underlying mortgage loans and the issuing entity’s interest in the REO Properties remaining in the issuing entity as described in more detail under “The Pooling and Servicing Agreement—Termination” in this information circular.

**Denominations** ..... The offered certificates will be issuable in registered form, in the denominations set forth under “Description of the Certificates—Registration and Denominations” in this information circular.

**Physical Certificates** ..... Freddie Mac will hold the offered certificates in the form of fully registered physical certificates. Freddie Mac will include the offered certificates in pass-through pools that it will form for its series K-F117 structured pass-through certificates (the “SPCs”).

**Legal and Investment Considerations**

**Federal Income Tax Consequences**..... The certificate administrator will cause elections to be made to treat designated portions of the assets of the issuing entity as two separate real estate mortgage investment conduits under Sections 860A through 860G of the Internal Revenue Code of 1986 (the “Code”). There will be the following REMICs:

- the Lower-Tier REMIC, which will consist of, among other things—
  1. the underlying mortgage loans, and
  2. any REO Properties; and
- the Upper-Tier REMIC, which will hold the regular interests in the Lower-Tier REMIC.

The offered certificates will represent (i) beneficial ownership of regular interests in the Upper-Tier REMIC and (ii) in the case of the class XS certificates, the obligation to pay the Additional Interest Accrual Amounts, which the parties to the Pooling and Servicing Agreement will agree to treat as a notional principal contract between the class XS certificates and the class CS certificates. See “Certain Federal Income Tax Consequences” in this information circular. The regular interests in the Upper-Tier REMIC and the notional principal contract with respect to the class XS and CS certificates will be held in a portion of the trust comprising the Grantor Trust.

The REMIC regular interests beneficially owned by the holders of the offered certificates will be treated as newly issued debt instruments for U.S. federal income tax purposes. You will have to report income on the REMIC regular interests represented by the offered certificates in accordance with the accrual method of accounting even if you are otherwise a cash method taxpayer.

For a description of the tax opinions that our counsel will be issuing on the Closing Date and a more detailed discussion of the U.S. federal income tax aspects of investing in the offered certificates, see “Certain Federal Income Tax Consequences” in this information circular.

**Investment Considerations .....**

The rate and timing of payments and other collections of principal on or with respect to the underlying mortgage loans will affect the yield to maturity on each class of offered certificates.

If you purchase class AS certificates at a premium, then a faster than anticipated rate of payments and other collections of principal on the underlying mortgage loans could result in a lower than anticipated yield to maturity with respect to those certificates. Conversely, if you purchase class AS certificates at a discount, a slower than anticipated rate of payments and other collections of principal on the underlying mortgage loans could result in a lower than anticipated yield to maturity with respect to those certificates.

The yield to maturity of the class AS certificates will be adversely affected if the underlying mortgage loans with higher interest rate margins over SOFR (or the Alternate Index, if applicable) are subject to prepayment. This would have the effect of reducing the Weighted Average Net Mortgage Pass-Through Rate, which would result in the class AS certificates being more likely to be subject to the pass-through rate cap on those certificates. This would limit amounts payable as interest on the class AS certificates.

The yield to maturity on the class AS certificates will be highly sensitive to changes in the levels of SOFR such that decreasing levels of SOFR will have a negative effect on such certificateholders. In addition, prevailing market conditions may increase the margin above SOFR at which comparable securities are being offered, which would cause the class AS certificates to decline in value.

In reviewing this “Summary—Investment Considerations,” investors should consider that, should an Alternate Index take effect, similar considerations will apply to the class AS and XS certificates with respect to the Alternate Index as with respect to SOFR.

If you are contemplating the purchase of class XS certificates, you should be aware that—

- the yield to maturity on the class XS certificates will be highly sensitive to the rate and timing of principal prepayments and other liquidations on or with respect to the underlying mortgage loans,
- a faster than anticipated rate of payments and other collections of principal on the underlying mortgage loans could result in a lower than anticipated yield to maturity with respect to the class XS certificates, and

- an extremely rapid rate of amortization, prepayments and/or liquidations on or with respect to the underlying mortgage loans could result in a substantial loss of your initial investment with respect to the class XS certificates.

When trying to determine the extent to which payments and other collections of principal on the underlying mortgage loans will adversely affect the yield to maturity of the class XS certificates, you should consider how payments and other collections of principal on the underlying mortgage loans will be applied to reduce the total outstanding principal balance of the Principal Balance Certificates that comprise the notional amount of the class XS certificates.

In addition, the Class XS Pass-Through Rate is calculated based on the Weighted Average Net Mortgage Pass-Through Rate. As a result, the pass-through rate (and, accordingly, the yield to maturity) on the class XS certificates could be adversely affected if underlying mortgage loans with higher interest rate margins over SOFR (or the Alternate Index, if applicable) experience a faster rate of principal payment than underlying mortgage loans with lower interest rate margins over SOFR. The Weighted Average Net Mortgage Pass-Through Rate will not be affected by modifications, waivers or amendments with respect to the underlying mortgage loans, except for any modifications, waivers or amendments that increase the mortgage interest rate.

The yield to maturity on the class XS certificates will also be adversely affected to the extent interest otherwise payable on the class XS certificates is required to be distributed on the class CS certificates as Additional Interest Accrual Amounts, as described above under “—The Offered Certificates—Interest Distributions.”

See “Yield and Maturity Considerations” in this information circular.

If your investment activities are subject to legal investment laws and regulations, regulatory capital requirements or review by regulatory authorities, then you may be subject to restrictions on investment in the certificates. You should consult your own legal advisors for assistance in determining the suitability of and consequences to you of the purchase, ownership and sale of the certificates.

We have not engaged any nationally recognized statistical rating organization (“NRSRO”), as defined in Section 3(a)(62) of the Securities Exchange Act of 1934, as amended (the “Exchange Act”), to rate any class of certificates. The absence of ratings may adversely affect the ability of an investor to purchase or retain, or otherwise impact the liquidity, market value and regulatory characteristics of, the certificates.

**Credit Risk Retention**..... For information as to the compliance of this transaction with the FHFA’s Credit Risk Retention Rule (12 C.F.R. Part 1234), see “Description of the Mortgage Loan Seller and Guarantor—Credit Risk Retention” in this information circular.

## The Underlying Mortgage Loans

**General** ..... We intend to include in the issuing entity 61 mortgage loans, which we refer to in this information circular as the “underlying mortgage loans” and which are secured by 61 mortgaged real properties identified on Exhibit A-1. As used in this information circular, the term “underlying mortgage loan” refers to the mortgage loans that will be assets of the issuing entity, which will be whole mortgage loans or, in the case of the Non-Serviced Loan, the portion of the Non-Serviced Whole Loan that will be included in the issuing entity but not the Non-Serviced Companion Loan. Each underlying mortgage loan is secured by a mortgaged real property that consists of a single parcel or two or more contiguous or non-contiguous parcels, and we refer to such parcel or parcels collectively as the “mortgaged real property” securing such underlying mortgage loan. In this section, “—The Underlying Mortgage Loans,” we provide summary information with respect to the underlying mortgage loans. For more detailed information regarding the underlying mortgage loans, you should review the following sections in this information circular:

- “Risk Factors—Risks Related to the Underlying Mortgage Loans”;
- “Description of the Underlying Mortgage Loans”;
- Exhibit A-1—Certain Characteristics of the Underlying Mortgage Loans and the Related Mortgaged Real Properties;
- Exhibit A-2—Certain Mortgage Pool Information; and
- Exhibit A-3—Description of the Ten Largest Underlying Mortgage Loans or Groups of Cross-Collateralized Underlying Mortgage Loans.

When reviewing the information that we have included in this information circular with respect to the underlying mortgage loans, please note that—

- All numerical information provided with respect to the underlying mortgage loans is provided on an approximate basis.
- All weighted average information provided with respect to the underlying mortgage loans reflects a weighting based on their respective Cut-off Date Principal Balances. We will transfer the underlying mortgage loans with their respective Cut-off Date Principal Balances to the issuing entity. We show the Cut-off Date Principal Balance for each of the underlying mortgage loans on Exhibit A-1.
- In calculating the respective Cut-off Date Principal Balances of the underlying mortgage loans, we have assumed that:
  1. all scheduled payments of principal and/or interest due on the underlying mortgage loans on or before the Cut-off Date are timely made; and
  2. there are no prepayments or other unscheduled collections of principal with respect to any underlying mortgage loan during the period from its due date in June 2021 up to and including the Cut-off Date.

- Whenever we refer to the initial mortgage pool balance in this information circular, we are referring to the total Cut-off Date Principal Balance of the entire mortgage pool.
- Unless otherwise indicated, with respect to the Non-Serviced Loan, all loan-to-value ratios, debt service coverage ratios and Cut-off Date Principal Balance per unit calculations include the Non-Serviced Companion Loan.
- 3 groups of underlying mortgage loans (each, a “Crossed Loan Group”), representing 4.6%, 3.7% and 2.6%, respectively, of the initial mortgage pool balance, are each made up of underlying mortgage loans that are cross-collateralized and cross-defaulted with each other underlying mortgage loan in such group. Unless otherwise indicated, we present the information regarding the underlying mortgage loans in a Crossed Loan Group as separate underlying mortgage loans. However, each underlying mortgage loan in a Crossed Loan Group is treated as having the same Cut-off Date Loan-to-Value Ratio, Maturity Loan-to-Value Ratio, Cut-off Date Balance/Unit and historical and Underwritten Debt Service Coverage Ratios as the related Crossed Loan Group as a whole. These ratios, except for the Cut-off Date Balance/Unit, reflect, in each case, a weighted average of the respective individual ratio for each underlying mortgage loan in the related Crossed Loan Group, weighted based on the Cut-off Date Principal Balance for such underlying mortgage loan relative to the aggregate Cut-off Date Principal Balance for all of the underlying mortgage loans in the related Crossed Loan Group. The Cut-off Date Balance/Unit for the underlying mortgage loans in a Crossed Loan Group is based on the aggregate Cut-off Date Principal Balance for all of the underlying mortgage loans in the related Crossed Loan Group and the aggregate Total Units of all of the mortgaged real properties securing such underlying mortgage loans.
- When information with respect to mortgaged real properties is expressed as a percentage of the initial mortgage pool balance, the percentages are based on the Cut-off Date Principal Balances of the related underlying mortgage loans.
- If an underlying mortgage loan is secured by a mortgaged real property consisting of multiple parcels of real property, we treat those parcels as a single mortgaged real property.
- Whenever we refer to a particular mortgaged real property by name, we mean the mortgaged real property identified by that name on Exhibit A-1. Whenever we refer to a particular underlying mortgage loan by name, we mean the underlying mortgage loan secured by the mortgaged real property identified by that name on Exhibit A-1.
- Statistical information regarding the underlying mortgage loans may change prior to the Closing Date due to changes in the composition of the mortgage pool prior to that date.

**Source of the Underlying**

**Mortgage Loans** .....

We did not originate the underlying mortgage loans. We will acquire the underlying mortgage loans from Freddie Mac, the mortgage loan seller, pursuant to a mortgage loan purchase agreement dated as of the Cut-off Date. Each underlying mortgage loan was originated by an Originator and was acquired by Freddie Mac.

For a description of the underwriting criteria utilized in connection with the origination or acquisition of each of the underlying mortgage loans, see “Description of the Underlying Mortgage Loans—Underwriting Matters” in this information circular.

**Payment and Other Terms** .....

Each of the underlying mortgage loans is the obligation of a borrower to repay a specified sum with interest. Interest accrues on each underlying mortgage loan at a *per annum* rate equal to SOFR plus a specified margin (*provided* that if SOFR is determined to be below zero, the interest rates on the underlying mortgage loans will be equal to the margin).

All of the underlying mortgage loans have the benefit of Interest Rate Cap Agreements that are currently in place. The Interest Rate Cap Agreements require the applicable interest rate cap provider to pay to the borrower the difference between (x) the payment calculated at Compounded SOFR and (y) the payment calculated at the applicable index cap strike rate, if Compounded SOFR exceeds such index cap strike rate for a particular interest accrual period. The borrowers’ rights under the Interest Rate Cap Agreements have been collaterally assigned to secure the related underlying mortgage loans.

With respect to 59 of the underlying mortgage loans, collectively representing 92.8% of the initial mortgage pool balance, the index cap strike rates under the related Interest Rate Cap Agreements are fixed and range from 0.500% to 4.850%, and each such index cap strike rate is equal to or less than the index cap strike rate required by the terms of the related loan documents. With respect to 1 of the underlying mortgage loans, representing 5.4% of the initial mortgage pool balance, the index cap strike rate under the related Interest Rate Cap Agreement is 0.750% initially (which is below the index cap strike rate required by the terms of the related loan documents) and increases thereafter to a maximum index cap strike rate of 1.750% (which is less than the index cap strike rate required by the terms of the related loan documents). With respect to 1 of the underlying mortgage loans, representing 1.8% of the initial mortgage pool balance, the index cap strike rate under the related Interest Rate Cap Agreement is 0.500% initially (which is below the index cap strike rate required by the terms of the related loan documents) and increases thereafter to a maximum index cap strike rate of 2.000% (which is less than the index cap strike rate required by the terms of the related loan documents). With respect to all of the underlying mortgage loans, the Interest Rate Cap Agreements expire prior to the maturity date of the related underlying mortgage loans, but the related loan documents obligate the applicable borrower to obtain a new interest rate cap agreement or to extend or replace the existing Interest Rate Cap Agreement.

Exhibit A-1 sets forth the specified margin and the current annual mortgage interest rate for each underlying mortgage loan. Interest accrues on each underlying mortgage loan on an Actual/360 Basis.

Except for certain nonrecourse carveouts, each of the underlying mortgage loans is nonrecourse to the borrower. Although the offered certificates will be guaranteed by Freddie Mac pursuant to the Freddie Mac Guarantee, none of the underlying mortgage loans is insured or guaranteed by any governmental agency or instrumentality or by any private mortgage insurer.

All of the underlying mortgage loans had initial terms to maturity of 120 months.

**Balloon Loans**..... All of the underlying mortgage loans are Balloon Loans. An underlying mortgage loan is considered to be a “Balloon Loan” if its principal balance is not scheduled to be fully amortized by the underlying mortgage loan’s scheduled maturity date and thus requires a payment at such scheduled maturity date larger than the regular monthly debt service payment due on such underlying mortgage loan.

**Mortgage Loans with Interest-Only Periods**..... 60 of the underlying mortgage loans, collectively representing 89.1% of the initial mortgage pool balance, provide for an interest-only period of between 36 and 60 months following origination followed by amortization for the balance of the loan term. 1 of the underlying mortgage loans, representing 10.9% of the initial mortgage pool balance, is interest-only until maturity.

**Cross-Collateralized Underlying Mortgage Loans and Underlying Mortgage Loans Made to the Same Borrower or Borrowers Under Common Ownership**..... The issuing entity will include 8 groups of underlying mortgage loans that were made to the same borrower or separate borrowers under common ownership, including 3 Crossed Loan Groups. The underlying mortgage loans in each Crossed Loan Group are cross-collateralized and cross-defaulted with each other. In addition, pursuant to the Pooling and Servicing Agreement and the mortgage loan purchase agreement, the underlying mortgage loans in a Crossed Loan Group may be released from the cross-collateralization and cross-default provisions under certain circumstances (including repurchases due to breaches of the representations and warranties described on Exhibit C-1), subject to certain restrictions. Other than with respect to the underlying mortgage loans in the Crossed Loan Groups and the Non-Serviced Loan, none of the underlying mortgage loans is cross-collateralized or cross-defaulted with any other underlying mortgage loan or any mortgage loan that is not in the issuing entity.

See “Description of the Underlying Mortgage Loans—Certain Terms and Conditions of the Underlying Mortgage Loans—Release of Property Through Prepayment” and “—Cross-Collateralized Underlying Mortgage Loans and Underlying Mortgage Loans Made to the Same Borrower or Borrowers Under Common Ownership” in this information circular.

**The Non-Serviced Whole Loan**..... The mortgaged real property identified on Exhibit A-1 as “The Rheingold A-2” secures the Non-Serviced Loan, representing 10.9% of the initial mortgage pool balance, as well as the Non-Serviced Companion Loan. The Non-Serviced Companion Loan is *pari passu* in right of payment with the Non-Serviced Loan, but will not be included in the issuing entity. The following table and discussion contains general information regarding the Non-Serviced Loan:

<u>Loan No.</u>	<u>Mortgage Loan</u>	<u>Mortgage Loan Cut-off Date Principal Balance</u>	<u>% of Initial Pool Balance</u>	<u>Non-Serviced Companion Loan Cut-off Date Principal Balance</u>
1	The Rheingold A-2	\$102,205,000	10.9%	\$102,205,000

The Non-Serviced Whole Loan will be serviced pursuant to the Non-Serviced Companion Loan PSA and the Co-Lender Agreement. However, the master servicer and the trustee, as applicable, will be required to make P&I Advances with respect to the Non-Serviced Loan as described in “—The Offered Certificates—Advances of Delinquent Monthly Debt Service Payments” above. See “Description of the Underlying Mortgage Loans—The Non-Serviced Whole Loan” in this information circular.

**Prepayment Characteristics of the Underlying Mortgage Loans.....**

49 of the underlying mortgage loans, collectively representing 85.1% of the initial mortgage pool balance, restrict voluntary prepayments by prohibiting any voluntary prepayments for a specified period of time after the origination of the underlying mortgage loan, followed by one or more prepayment consideration periods during which any voluntary principal prepayments must be accompanied by a Static Prepayment Premium, followed by an open prepayment period prior to maturity during which voluntary principal prepayments may be made without payment of any prepayment consideration.

12 of the underlying mortgage loans, collectively representing 14.9% of the initial mortgage pool balance, restrict voluntary prepayments by requiring that any voluntary principal prepayments made during a specified period of time after the origination of the underlying mortgage loan be accompanied by a Static Prepayment Premium, followed by an open prepayment period prior to maturity during which voluntary principal prepayments may be made without payment of any prepayment consideration.

The purchase of any underlying mortgage loan by any party that has an option or is otherwise entitled to purchase such underlying mortgage loan from the issuing entity following default (or, with respect to the mortgage loan seller, is required to purchase such underlying mortgage loan as a result of an uncured material breach of a representation and warranty or a material document defect) generally would have the same effect on the offered certificates as a prepayment (without payment of any applicable Static Prepayment Premium).

See “Description of the Underlying Mortgage Loans—Certain Terms and Conditions of the Underlying Mortgage Loans—Release of Property Through Prepayment” in this information circular.

**Delinquency Status .....**

None of the underlying mortgage loans was 30 days or more delinquent with respect to any monthly debt service payment as of the Cut-off Date.

**Geographic Concentration**..... Mortgaged real properties that secure underlying mortgage loans collectively representing 5.0% or more of the initial mortgage pool balance are located in the states shown in the table below:

State	Number of Mortgaged Real Properties	% of Initial Mortgage Pool Balance
Texas.....	12	30.3%
Florida.....	12	15.7%
New York .....	1	10.9%
Indiana .....	7	8.2%
Ohio .....	12	7.7%
Georgia .....	3	5.2%

The remaining mortgaged real properties are located throughout 10 other states. No more than 4.5% of the initial mortgage pool balance is secured by mortgaged real properties located in any one of these other states.

See “Description of the Underlying Mortgage Loans—Certain Legal Aspects of the Underlying Mortgage Loans” in this information circular for a discussion of certain legal aspects related to states in which mortgaged real properties that secure underlying mortgage loans collectively representing 10.0% or more of the initial mortgage pool balance are located, and see Exhibit A-2 for additional information on the geographic distribution of the mortgaged real properties.

**Property Type** ..... All of the mortgaged real properties are multifamily properties, including 2 manufactured housing community properties, securing underlying mortgage loans collectively representing 3.5% of the initial mortgage pool balance.

**Encumbered Interests** ..... 59 of the underlying mortgage loans, collectively representing 93.4% of the initial mortgage pool balance, encumber the fee interest of the related borrower in the related mortgaged real property. 1 of the underlying mortgage loans, representing 5.1% of the initial mortgage pool balance, encumbers the leasehold interest of the related borrower and the fee interest of the related ground lessor in the mortgaged real property. 1 of the underlying mortgage loans, representing 1.6% of the initial mortgage pool balance, encumbers the leasehold interest of the related borrower in the land related to the mortgaged real property, the fee interest of the related borrower in certain improvements on the related mortgaged real property and the fee interest of the related ground lessor in the land related to the mortgaged real property.

**Subordinate Lien** ..... None of the mortgaged real properties is currently encumbered with a subordinate lien except for limited permitted encumbrances (which limited permitted encumbrances do not secure subordinate mortgage loans). See “Description of the Underlying Mortgage Loans—Certain Terms and Conditions of the Underlying Mortgage Loans—Permitted Additional Debt” in this information circular.

**Significant Underlying Mortgage Loans** ..... The ten largest underlying mortgage loans or groups of cross-collateralized and cross-defaulted underlying mortgage loans collectively represent 54.4% of the initial mortgage pool balance. See “Description of the Underlying Mortgage Loans” in this information circular and Exhibits A-1, A-2 and A-3.

**Additional Statistical Information**

**General Characteristics** ..... The underlying mortgage loans that we intend to include in the issuing entity will have the following general characteristics as of the Cut-off Date:

	<b><u>Mortgage Pool</u></b>
Initial mortgage pool balance <sup>(1)</sup> .....	\$939,679,000
Number of underlying mortgage loans .....	61
Number of mortgaged real properties .....	61
Largest Cut-off Date Principal Balance.....	\$102,205,000
Smallest Cut-off Date Principal Balance .....	\$1,216,000
Average Cut-off Date Principal Balance .....	\$15,404,574
Highest mortgage interest rate margin.....	3.150%
Lowest mortgage interest rate margin .....	1.690%
Weighted average mortgage interest rate margin .....	2.644%
Highest index cap strike rate <sup>(2)</sup> .....	5.000%
Lowest index cap strike rate <sup>(2)</sup> .....	1.870%
Weighted average index cap strike rate <sup>(2)</sup> .....	2.929%
Weighted average index cap strike rate plus margin <sup>(2)</sup> .....	5.573%
Original term to maturity (months) .....	120
Longest remaining term to maturity (months) .....	120
Shortest remaining term to maturity (months).....	98
Weighted average remaining term to maturity (months) ....	116
Highest Underwritten Debt Service Coverage Ratio <sup>(3)(4)</sup> ....	3.57x
Lowest Underwritten Debt Service Coverage Ratio <sup>(3)(4)</sup> .....	1.25x
Weighted average Underwritten Debt Service Coverage Ratio <sup>(3)(4)</sup> .....	1.61x
Highest Underwritten Debt Service Coverage Ratio at index cap strike rate <sup>(2)(4)</sup> .....	1.20x
Lowest Underwritten Debt Service Coverage Ratio at index cap strike rate <sup>(2)(4)</sup> .....	1.00x
Weighted average Underwritten Debt Service Coverage Ratio at index cap strike rate <sup>(2)(4)</sup> .....	1.03x
Highest Cut-off Date LTV .....	78.9%
Lowest Cut-off Date LTV .....	47.7%
Weighted average Cut-off Date LTV .....	69.1%

(1) Subject to a variance of up to 5%, plus or minus.

(2) With respect to all of the underlying mortgage loans, the applicable borrowers purchased Interest Rate Cap Agreements from third-party sellers that are currently in place.

With respect to 59 of the underlying mortgage loans, collectively representing 92.8% of the initial mortgage pool balance, the index cap strike rates under the related Interest Rate Cap Agreements are fixed and range from 0.500% to 4.850%, and each such index cap strike rate is equal to or less than the index cap strike rate required by the terms of the related loan documents. With respect to 1 of the underlying mortgage loans, representing 5.4% of the initial mortgage pool balance, the index cap strike rate under the related Interest Rate Cap Agreement is 0.750% initially (which is below the index cap strike rate required by the terms of the related loan documents) and increases thereafter to a maximum strike rate of 1.750% (which is below the index cap strike rate required by the terms of the related loan documents). With respect to 1 of the underlying mortgage loans, representing 1.8% of the initial mortgage pool balance, the index cap strike rate under the related Interest Rate Cap Agreement is 0.500% initially (which is below the index cap strike rate required by the terms of the related loan documents) and increases thereafter to a maximum strike rate of 2.000% (which is below the index cap strike rate required by the terms of the related loan documents). In each case, for the purposes of the index cap strike rate calculations, the higher of (i) the index cap strike rate requirement under the loan documents and (ii) the highest index cap strike rate under the related Interest Rate Cap Agreement is shown and was used for all calculations.

The index cap strike rate in the related Interest Rate Cap Agreements will be based on Compounded SOFR until Compounded SOFR is not published by the Federal Reserve Board and/or the Federal Reserve Bank of New York, on the website of the Federal Reserve Bank of New York, or a committee officially endorsed or convened by the Federal Reserve Board and/or the Federal Reserve Bank of New York, or any successor publisher of Compounded SOFR. If such an event occurs the related interest rate cap provider will have the right to select a substitute index in lieu of Compounded SOFR, in consultation with Freddie Mac.

- (3) Based on Underwritten Net Cash Flow, each Underwritten Debt Service Coverage Ratio assumes SOFR of 0.25000% *per annum*.
- (4) With respect to 60 of the underlying mortgage loans, collectively representing 89.1% of the initial mortgage pool balance, Underwritten Debt Service Coverage Ratio calculations are based on amortizing debt service payments. With respect to 1 of the underlying mortgage loans, representing 10.9% of the initial mortgage pool balance, Underwritten Debt Service Coverage Ratio calculations are based on interest-only payments.

In reviewing the table above, please note that the Underwritten Net Cash Flow for any mortgaged real property (which is the basis for the Underwritten Debt Service Coverage Ratio for the related underlying mortgage loan) is an estimated number based on numerous assumptions that may not necessarily reflect recent historical performance and may not ultimately prove to be an accurate prediction of future performance.

The information presented in the table above treats each underlying mortgage loan in a Crossed Loan Group as a separate loan. However, each underlying mortgage loan in a Crossed Loan Group is treated as having the same Cut-off Date Loan-to-Value Ratio, Maturity Loan-to-Value Ratio, Cut-off Date Balance/Unit and historical and Underwritten Debt Service Coverage Ratios as the related Crossed Loan Group as a whole. These ratios, except for the Cut-off Date Balance/Unit, reflect, in each case, a weighted average of the respective individual ratio for each underlying mortgage loan in the related Crossed Loan Group, weighted based on the Cut-off Date Principal Balance for such underlying mortgage loan relative to the aggregate Cut-off Date Principal Balance for all of the underlying mortgage loans in the related Crossed Loan Group. The Cut-off Date Balance/Unit for the underlying mortgage loans in a Crossed Loan Group is based on the aggregate Cut-off Date Principal Balance for all of the underlying mortgage loans in the related Crossed Loan Group and the aggregate Total Units of all of the mortgaged real properties securing such underlying mortgage loans.

Unless otherwise indicated, with respect to the Non-Serviced Loan, all loan-to-value ratios, debt service coverage ratios and Cut-off Date Principal Balance per unit calculations include the Non-Serviced Companion Loan.

## SUMMARY OF RISK FACTORS

### Risks Related to Current Events

- **COVID-19:** Economic conditions and restrictions on enforcing landlord rights due to COVID-19 and related governmental directives could adversely affect your certificates.

### Risks Related to the Underlying Mortgage Loans

- **Nonrecourse Loans; Loan Repayment:** The underlying mortgage loans are nonrecourse. The source of repayment on the offered certificates will be limited to collections on the underlying mortgage loans and the Freddie Mac Guarantee.
- **Loan Terms:** Loan terms do not provide absolute certainty regarding the rate, timing and amount of payments on the offered certificates and the loan terms may also lack customary provisions that protect lenders. Borrowers may be unable to make balloon payments.
- **Floating Rate Loans:** Each of the underlying mortgage loans bears interest at a floating rate based on SOFR. Changes to, or the elimination of, SOFR, or the conversion of SOFR to an alternate index, could adversely affect the market value or liquidity of the certificates.
- **World Events and Natural Disasters:** World events and natural disasters could have an adverse impact on the mortgaged real properties, property values and available cash flow.
- **Borrowers:** Borrower risks related to the type of borrower, bankruptcy proceedings, other debt or subordinate financing and defaults by borrower sponsors on other mortgages may increase risk of loss.
- **Multifamily Property Performance:** Certificateholders are exposed to risks associated with the performance of multifamily rental properties, including competition, property condition, property maintenance, property management, controlling parties and litigation. Property values may decrease even when current operating income does not.
- **Certain Multifamily Property Types Have Additional Risks:** Manufactured housing communities present additional risks. Loans secured by ground leases present risks not present with loans secured by fee interests.
- **Loan Pool Concentration:** Losses on larger underlying mortgage loans, loans to related borrowers, the cross-collateralized and cross-defaulted loan groups or loans secured by geographically concentrated mortgaged real properties may adversely affect distributions on the offered certificates.
- **Non-Serviced Companion Loan:** The mortgaged real property securing the largest underlying mortgage loan in the mortgage pool also secures the Non-Serviced Companion Loan. The Non-Serviced Whole Loan will be serviced pursuant to the Non-Serviced Companion Loan PSA, and the directing certificateholder will have only limited non-binding consultation rights with regard to servicing matters relating to the Non-Serviced Whole Loan.
- **Insurance:** The absence or inadequacy of terrorism, fire, flood, earthquake and other insurance may adversely affect payments on the certificates.
- **Appraisals:** Appraisals and market studies may be inaccurate.
- **Conflicts of Interest:** Conflicts of interest affecting property managers, borrowers and servicers may adversely impact the performance of the mortgaged real properties and collections on the underlying mortgage loans.
- **Zoning:** Changes in zoning laws may affect the ability to repair or restore a mortgaged real property.
- **Seasoned Loans:** Some of the underlying mortgage loans are seasoned loans (meaning they were originated more than 12 months prior to the Cut-Off Date), and appraisals, environmental assessments and property condition assessments were generally performed when the underlying mortgage loans were originated. Therefore, there is a risk that the condition of the mortgaged real properties may have deteriorated or that the values of the mortgaged real properties may have declined since originated.

### Risks Related to the Offered Certificates

- **Insufficient Assets:** The issuing entity's assets may be insufficient to repay the offered certificates in full.
- **Limited Credit Support:** Credit support provided by subordination and the Freddie Mac Guarantee is limited and may not be sufficient to prevent loss on the offered certificates.
- **Uncertain Yields to Maturity:** The offered certificates have uncertain yields to maturity. The yield to maturity on the class AS certificates will be highly sensitive to changes in the levels of SOFR such that decreasing levels of SOFR will have a negative effect on the yield to maturity. Prepayments on the underlying mortgage loans will affect the average lives of the certificates; and the rate and timing of prepayments may be highly unpredictable. The underlying mortgage loans may experience a higher than expected rate of prepayment due to the right of holders of a majority interest in the class XS certificates to cause the waiver of static prepayment premiums, and due to limited prepayment protection. Optional early termination of the issuing entity may also adversely impact your yield or may result in a loss.
- **SOFR:** SOFR is a relatively new reference rate, which could adversely affect the market value or liquidity of the offered certificates. Compounded averages of SOFR, which are used to determine Compounded SOFR, have only been published since March 2020, and Term SOFR is currently in development. We cannot assure you that Term SOFR will be developed or that the SOFR Rate will eventually be based on Term SOFR.
- **Conflicts of Interest:** The transaction parties may have conflicts of interest with each other and/or with the offered certificateholders. You may be bound by the actions of other certificateholders or, in the case of the Non-Serviced Loan, the Non-Serviced Companion Loan Directing Certificateholder, that have certain consent rights over certain matters relating to the underlying mortgage loans.
- **No Ratings:** The certificates will not be rated.

### Risks Related to the Mortgage Loan Seller and Guarantor

- **Freddie Mac is in Conservatorship:** The conservator could take actions that adversely affect Freddie Mac's contracts, including its guarantee and other obligations related to the offered certificates.
- **Legislation and Regulatory Actions:** Possible future legislation and regulation affecting the GSEs could affect the activities of Freddie Mac as well as the value of the Freddie Mac Guarantee.
- **Receivership:** FHFA could terminate the conservatorship by placing Freddie Mac into receivership, which could adversely affect the Freddie Mac Guarantee.

## RISK FACTORS

The risks and uncertainties described below summarize the material risks in connection with your purchase of the offered certificates. All numerical information concerning the underlying mortgage loans is provided on an approximate basis.

### Risks Related to Current Events

***Consequences of the COVID-19 Pandemic May Adversely Affect Your Investment.*** Changes in economic conditions and the condition of the market for commercial and multifamily mortgage-backed securities (“CMBS”) resulting from COVID-19, commonly referred to as “coronavirus,” could adversely affect your certificates. In 2020, financial markets were significantly adversely affected and experienced substantial volatility in reaction to concerns regarding the outbreak of COVID-19 in the global population. The World Health Organization declared the outbreak to be a pandemic, and former President Trump declared the outbreak a national emergency in the United States. State emergency or public health emergency declarations were issued for each state and territory and the District of Columbia. Most states and some local jurisdictions also enacted measures requiring closure of numerous businesses, curtailing consumer activity, and other economically restrictive efforts, to combat COVID-19. These pandemic mitigation efforts created sharp rises in unemployment and severe economic contraction. The pandemic also led to severe disruptions in global economies, markets and supply chains, and those disruptions may intensify and continue for some time, with significant near-term and long-term effects on the real estate and securitization markets, including the CMBS market.

Economic downturns or ensuing recessions may adversely affect the financial resources of borrowers and may result in the inability of borrowers to make principal and interest payments on, or to refinance, their underlying mortgage loans when due or to sell their mortgaged real properties for an amount sufficient to pay off such underlying mortgage loans when due. If a borrower defaults, the issuing entity may suffer a partial or total loss with respect to the related underlying mortgage loan. Any delinquency or loss on any underlying mortgage loan would have an adverse effect on the distributions of principal and interest received by certificateholders and may affect the value and liquidity of your investment. As a result of COVID-19 and in accordance with the Coronavirus Aid, Relief, and Economic Security Act (the “CARES Act”), Freddie Mac made changes to its servicing standard to provide temporary relief in the form of forbearance to borrowers whose mortgaged real properties or related operations are affected by the pandemic. These changes may adversely impact cash flow from or operations at the mortgaged real properties, which may in turn adversely affect the performance and value of your certificates. To counter the significant adverse economic effects of the pandemic, on March 11, 2021, President Biden signed into law the American Rescue Plan Act of 2021, which provided an estimated \$1.9 trillion economic stimulus, including over \$21.5 billion in funding for emergency rental assistance. Such emergency rental assistance funds are expected to be distributed to states, tribes, territories, the District of Columbia and units of local government with populations exceeding 200,000. To be eligible for assistance under the program, a renter may not have a household income that exceeds 80% of the area median income, among other qualifications. Even for eligible borrowers, we cannot assure you that this rental assistance will be sufficient to enable borrowers to make their payments on the underlying mortgage loans, or how cash flow from or operations at the mortgaged real properties will be impacted. Even if the mortgaged real properties and the underlying mortgage loans perform, general conditions in the securitization markets resulting from the pandemic could adversely affect the value of your certificates.

In addition, the risks associated with the current economic conditions resulting from COVID-19 may exacerbate other risk factors discussed in this information circular, which may significantly increase the risk of loss to an investor.

### Risks Related to the Underlying Mortgage Loans

***The Underlying Mortgage Loans Are Nonrecourse, Which Generally Means Recourse is Limited to the Mortgaged Real Property Pledged to Secure the Loan.*** All of the underlying mortgage loans are nonrecourse obligations of the related borrower (except for certain nonrecourse carveouts). This means that, in the event of a default, recourse will generally be limited to the related mortgaged real property securing the Defaulted Loan and other assets that have been pledged to secure that underlying mortgage loan. Consequently, full and timely payment on each underlying mortgage loan will depend on one or more of the following:

- the sufficiency of the net operating income of the mortgaged real property to pay debt service, including, in the case of the Non-Serviced Loan, debt service on the Non-Serviced Whole Loan;
- the market value of the mortgaged real property at or prior to maturity; and
- the related borrower's ability to refinance or sell the mortgaged real property at maturity.

***Repayment of Each Underlying Mortgage Loan Depends on the Cash Flow Produced by the Related Mortgaged Real Property, Which Can Be Volatile and Insufficient to Allow Timely Distributions on the Offered Certificates, and on the Value of the Related Mortgaged Real Property, Which May Fluctuate Over Time.*** Repayment of loans secured by multifamily rental properties typically depends on the cash flow produced by those properties. The ratio of net cash flow to debt service of an underlying mortgage loan or, in the case of the Non-Serviced Loan, the Non-Serviced Whole Loan secured by an income-producing property is an important measure of the risk of default on the underlying mortgage loan or the Non-Serviced Whole Loan.

Payment on each underlying mortgage loan may also depend on:

- the related borrower's ability to sell the related mortgaged real property or refinance the underlying mortgage loan at maturity in an amount sufficient to repay the underlying mortgage loan; and/or
- following an event of a default and a subsequent sale of the related mortgaged real property, the amount of the sale proceeds, taking into account any related fees payable to the special servicer.

In general, if an underlying mortgage loan has a relatively high loan-to-value ratio or a relatively low debt service coverage ratio, the risk is greater that a foreclosure sale may result in proceeds that are insufficient to satisfy the outstanding debt.

The cash flows from the operation of multifamily real properties are volatile and may be insufficient to cover debt service on the related underlying mortgage loan or, in the case of the Non-Serviced Loan, the Non-Serviced Whole Loan, and pay operating expenses. This may cause the value of a property to decline. Cash flows and property values generally affect:

- the ability to cover debt service;
- the ability to repay an underlying mortgage loan in full out of sales or refinance proceeds; and
- the amount of proceeds recovered upon foreclosure.

Cash flows and property values depend on a number of factors, including:

- national, regional and local economic conditions, including plant closings, military base closings, economic and industry slowdowns and unemployment rates;
- local real estate conditions, such as an oversupply of similar units at other properties;
- vacancy rates;
- changes or continued weakness in a specific industry segment that is important to the success of the related mortgaged real property;
- increases in operating expenses at the mortgaged real property and in relation to competing properties;
- the nature of income from the related mortgaged real property, such as whether rents are subject to rent control or rent stabilization laws;
- a decline in rental rates as current leases are renewed or new leases are entered into;
- if rental rates are less than the average market rental rates for the area and are not offset by low operating expenses;
- the level of required capital expenditures for proper maintenance, renovations and improvements demanded by tenants or required by law;
- creditworthiness of tenants, a decline in the financial condition of tenants or tenant defaults;

- the number of tenants at the related mortgaged real property, the duration of their leases and, particularly if the tenant mix at a mortgaged real property is primarily low-income tenants, the sensitivity of such tenants to future rent increases;
- dependence upon a concentration of tenants working for a particular business or industry;
- demographic factors;
- retroactive changes in building or similar codes that require modifications to the related mortgaged real property;
- capable property management and adequate maintenance;
- location of the related mortgaged real property;
- proximity and attractiveness of competing properties;
- whether the mortgaged real property has uses subject to significant regulation, such as healthcare related properties;
- the rate at which new rentals occur;
- perceptions by prospective tenants of the safety, convenience, services and attractiveness of the related mortgaged real property;
- the age, construction, quality and design of the related mortgaged real property, including whether the mortgaged real property has dated interior finishes, older appliances and limited or no amenities, which may add cost or complexity to any future renovation or refurbishment projects; and
- whether the related mortgaged real property is readily convertible to alternative uses.

***Floating Rate Mortgage Loans Present a Risk That a Borrower May Be Unable to Make Its Debt Service Payments if Interest Rates Rise.*** Each of the underlying mortgage loans bears interest at a floating rate based on SOFR. Accordingly, debt service for each underlying mortgage loan will generally increase as interest rates rise. In contrast, rental income and other income from the mortgaged real properties is not expected to rise as significantly as interest rates rise. Accordingly, the debt service coverage ratio of the underlying mortgage loans will generally be adversely affected by rising interest rates, and the borrowers' ability to make all payments due on the underlying mortgage loans may be adversely affected. Information regarding the Underwritten Debt Service Coverage Ratios of the underlying mortgage loans is included in the definitions in the Glossary to this information circular. We cannot assure you that borrowers will be able to make all payments due on the underlying mortgage loans if the mortgage interest rates rise or remain at increased levels for an extended period of time.

All of the underlying mortgage loans have the benefit of Interest Rate Cap Agreements that are currently in place. The absence of an Interest Rate Cap Agreement during periods of higher levels of SOFR could result in the inability of a borrower to pay its required debt service on an underlying mortgage loan. Interest rate cap agreements obligate a third party to pay to the borrower the difference between (x) the payment calculated at Compounded SOFR and (y) the payment calculated at the applicable index cap strike rate, if Compounded SOFR exceeds such index cap strike rate for a particular interest accrual period. Interest rate cap agreements are intended to provide borrowers with some of the income needed to pay a portion of the interest due on the related underlying mortgage loan. We cannot assure you that the interest rate cap provider for any Interest Rate Cap Agreement will have sufficient assets or otherwise be able to fulfill its obligations under the related Interest Rate Cap Agreement. The failure of an interest rate cap provider to fulfill its obligations under an Interest Rate Cap Agreement during periods of higher levels of SOFR could result in the inability of a borrower to pay its required debt service on an underlying mortgage loan. See "Description of the Underlying Mortgage Loans—Certain Terms and Conditions of the Underlying Mortgage Loans—Mortgage Interest Rates; Calculations of Interest" in this information circular.

We cannot assure you that the borrowers will be able to obtain new interest rate cap agreements or to extend or replace existing Interest Rate Cap Agreements when they are obligated to do so, nor can we assure you that the terms of such new interest rate cap agreements or extension or replacement interest rate cap agreements will be similar to the terms of the existing Interest Rate Cap Agreements. The inability of a borrower to obtain a new interest rate cap agreement or an extension or replacement interest rate cap agreement on similar terms may result in the inability of a borrower to pay its required debt service on an underlying mortgage loan.

***Changes to, or the Elimination of, SOFR, or the Conversion of SOFR to an Alternate Index, Could Adversely Affect the Market Value or Liquidity of the Offered Certificates.*** The mortgage interest rates for the underlying mortgage loans will be based on the SOFR Rate. The SOFR Rate will be based on Compounded SOFR unless and until those certain conditions described in the definition of “SOFR Rate” under “Description of the Underlying Mortgage Loans—Certain Terms and Conditions of the Underlying Mortgage Loans—Mortgage Interest Rates; Calculations of Interest” in this information circular are satisfied, in which case the SOFR Rate will then be based on Term SOFR. Freddie Mac may, from time to time, at its sole discretion, make SOFR Adjustment Conforming Changes without the consent of holders of the offered certificates or any other party, which could change the methodology used to determine the SOFR Rate. Holders of the offered certificates will be deemed to have agreed to waive and release any and all claims relating to any such adjustments. There is no assurance that the methodology to calculate Compounded SOFR, or, if later adopted, Term SOFR, will not be adjusted as described in the prior sentence and, if so adjusted, that the resulting interest rates for the underlying mortgage loans will yield the same or similar economic results over the lives of such underlying mortgage loans relative to the results that would have occurred had the related interest rate been based on Compounded SOFR or Term SOFR, as applicable, without such adjustment or that the market value will not decrease due to any such adjustment in methodology. Freddie Mac will have significant discretion in making SOFR Adjustment Conforming Changes.

The loan documents for all of the underlying mortgage loans provide that such underlying mortgage loans will convert from an interest rate based on SOFR to an interest rate based on an Alternate Index if a Loan Index Conversion Event occurs. For all of the underlying mortgage loans, in the event of a conversion to an Alternate Index, the selection of the Alternate Index will be made by Freddie Mac in its sole discretion in accordance with the terms of the related underlying mortgage loan. See “Description of the Underlying Mortgage Loans—Certain Terms and Conditions of the Underlying Mortgage Loans—Mortgage Interest Rates; Calculations of Interest” in this information circular.

It is possible that Freddie Mac may select a different Alternate Index for the certificates than the underlying mortgage loans. In such case, the Alternate Index as to the underlying mortgage loans and the certificates may not move in tandem with each other or with SOFR. We cannot assure you that the occurrence of a Loan Index Conversion Event or Certificate Index Conversion Event will not result in the pass-through rate for the class AS and CS certificates being capped at the Weighted Average Net Mortgage Pass-Through Rate minus, if applicable, the Guarantee Fee Rate. The yield to maturity on the class XS certificates will also be adversely affected to the extent interest otherwise payable to the class XS certificates is required to be distributed on the class CS certificates as Additional Interest Accrual Amounts, as described under “Description of the Certificates—Distributions—Priority of Distributions” in this information circular.

We cannot assure you that the SOFR Rate will eventually be based on Term SOFR or, if based on Term SOFR in the future, that the resulting pass-through rate with respect to the offered certificates will yield the same or similar economic results over the lives of the affected class of the offered certificates relative to the results that would have occurred had the related pass-through rate been based on Compounded SOFR or that the market value will not decrease due to the move from Compounded SOFR to Term SOFR. Additionally, we cannot predict if SOFR will be eliminated or, if changes are made to SOFR, the effect of those changes. In addition, we cannot predict what Alternate Index would be chosen, should an elimination of SOFR occur. If SOFR in its current form does not survive or if an Alternate Index is chosen, the market value and/or liquidity of the offered certificates could be adversely affected.

***Repayment of Each Underlying Mortgage Loan Depends on the Economic Performance of the Related Mortgaged Real Property, Unlike Single-Family Residential Loans.*** The risks associated with lending on multifamily properties are inherently different from those associated with lending on the security of single-family residential properties. For example, repayment of multifamily mortgage loans depends on the operating performance of the multifamily property as a going concern, unlike single-family residential loans.

Particular factors that may adversely affect the ability of a multifamily property to generate net operating income include—

- an increase in interest rates, real estate taxes and other operating expenses;
- an increase in the capital expenditures needed to maintain the property or make renovations or improvements;

- an increase in vacancy rates;
- a decline in rental rates as leases are renewed or replaced; and
- natural disasters and civil disturbances such as earthquakes, fires, mudslides, hurricanes, floods, tornadoes, droughts, volcanic activity, pandemics or riots.

The volatility of net operating income generated by a multifamily property over time will be influenced by many of these factors, as well as by—

- the length of tenant leases;
- the creditworthiness of tenants;
- the rental rates at which leases are renewed or replaced, which may make it difficult for a borrower to increase rental rates over time;
- the percentage of total property expenses in relation to revenue;
- the ratio of fixed operating expenses to those that vary with revenues; and
- the level of capital expenditures required to maintain the property and to maintain or replace tenants, including any capital expenditures associated with upgrading outdated interiors, replacing outdated appliances and expanding amenity options.

Because units in a multifamily rental property are primarily leased to individuals, usually for no more than a year, the mortgaged property's net operating income is likely to change relatively quickly where a downturn in the local economy or the closing of a major employer in the area occurs.

For example, with respect to the underlying mortgage loans secured by the mortgaged real properties identified on Exhibit A-1 as "The Salado At Red Berry" and "Oakview Place Apartment Homes," collectively representing 6.0% of the initial mortgage pool balance, at the time such underlying mortgage loans were underwritten, a significant number of units at the related mortgaged real property were leased to military tenants. Base closings and the transient nature of military service may adversely affect the income stream at such mortgaged real property.

Some units in a multifamily rental property may be leased to corporate entities. Expiration or non-renewals of corporate leases and vacancies related to corporate tenants may adversely affect the income stream at a mortgaged real property. We cannot assure you that these circumstances will not adversely impact operations at or the value of the mortgaged real properties.

In addition, some units at the mortgaged real properties may be subject to short-term rentals marketed through online peer-to-peer platforms ("Home Sharing"), which in some cases may include a master lease (a "Home Sharing Master Lease") entered into between the related borrower and a third-party provider that markets the master leased units online to potential unit occupants. The related borrower may enter a Home Sharing Master Leases either upon the origination of an underlying mortgage loan or, subject to any applicable Transfer Processing Fees, during the term of an underlying mortgage loan. Home Sharing may subject a mortgaged real property and the related borrower to various risks and in some cases may conflict with local laws. We cannot assure you that Home Sharing will not adversely impact operations at or the value of the related mortgaged real property.

Therefore, multifamily properties with short-term or less creditworthy sources of revenue and/or relatively high operating costs can be expected to have more volatile cash flows than multifamily properties with medium- to long-term leases from creditworthy tenants and/or relatively low operating costs. A decline in the real estate market will tend to have a more immediate effect on the net operating income of multifamily properties with short-term revenue sources and may lead to higher rates of delinquency or defaults on the underlying mortgage loans secured by those properties.

***World Events and Natural Disasters Could Adversely Impact the Mortgaged Real Properties and Could Reduce the Cash Flow Available to Make Payments on the Offered Certificates.*** The economic impact of the United States' military operations in various parts of the world, as well as the possibility of any terrorist attacks domestically or abroad, is uncertain, but could have a material adverse effect on general economic conditions,

consumer confidence, and market liquidity. We cannot assure you as to the effect of these events or other world events on property values, cash flow, loan performance or conditions in the securities markets. Any adverse impact resulting from these events could ultimately be borne by the holders of one or more classes of certificates.

In addition, natural disasters, including earthquakes, fires, tornadoes, floods, droughts and hurricanes, also may adversely affect the mortgaged real properties securing the underlying mortgage loans that back the offered certificates. For example, real properties located in California may be more susceptible to certain hazards (such as earthquakes or widespread fires) than properties in other parts of the country and mortgaged real properties located in coastal states generally may be more susceptible to hurricanes than properties in other parts of the country. Hurricanes and related windstorms, floods, droughts, tornadoes and oil spills have caused extensive and catastrophic physical damage in and to coastal and inland areas located in the eastern, mid-Atlantic and Gulf Coast regions of the United States and certain other parts of the eastern and southeastern United States. The underlying mortgage loans do not all require the maintenance of flood insurance for the related mortgaged real properties. We cannot assure you that any damage caused by hurricanes, windstorms, floods, droughts, tornadoes or oil spills would be covered by insurance, or even if covered by insurance, that the insurer will have sufficient financial resources to make any payment on the insurance policy or that the insurer will not challenge any claim resulting in a delay or reduction of the ultimate insurance proceeds. Any such lack of coverage, insufficiency of resources or challenge to a claim could have a material adverse effect on the performance of the certificates. In addition, the National Flood Insurance Program (“NFIP”) is scheduled to expire on September 30, 2021. We cannot assure you if or when NFIP will be reauthorized by Congress. If NFIP is not reauthorized, it could adversely affect the value of properties in flood zones or the borrowers’ ability to repair or rebuild their properties after flood damage.

In connection with the occurrence of a natural disaster, pandemic or other event adversely affecting the mortgaged real properties, general economic conditions or financial markets, Freddie Mac may from time to time issue guidance to the master servicer to provide temporary relief in the form of limited forbearance to borrowers whose mortgaged real properties or operations are affected by such event. Borrowers that obtain forbearance may be unable to resume making payments on their underlying mortgage loans at the end of the forbearance period, which could reduce payments received by the issuing entity. The terms of any such relief, which will be set forth in written announcements by Freddie Mac that are incorporated into Freddie Mac Servicing Practices and will specify the relief available. The terms of any such limited forbearance program may be further delineated in relief agreements between Freddie Mac and the master servicer. If such a limited forbearance program is initiated by Freddie Mac, the related borrowers may request such forbearance. If the related borrowers receive such forbearance, they may be permitted to defer payments for a forbearance period of typically up to 3 months (or, if extended, 6 months), and would then be permitted to repay the total amount for which forbearance is given, without additional interest or prepayment premiums other than the Extension Expense, over a period of time generally not in excess of 12 months (or, if extended, up to 24 months) following the end of the forbearance period. Any P&I Advance or Servicing Advance made by the master servicer with respect to the affected underlying mortgage loans for such forbearance period will not accrue interest under the Pooling and Servicing Agreement during such forbearance period and the related repayment period, except to the extent of any Extension Expense not paid by the borrower as described below. If the terms of the limited forbearance program so provide, Freddie Mac will pay such interest to the master servicer or, in the event that any such forbearance period or repayment period is extended, as described below, the borrower will be required to pay such interest to the master servicer as the Extension Expense. In the event that the related borrower fails to pay the Extension Expense, any accrued but unpaid Extension Expense will become an expense of the issuing entity upon the underlying mortgage loan becoming a Specially Serviced Mortgage Loan. We cannot assure you that, following a grant of any such forbearance, the applicable borrowers will be able to resume the timely payment of the scheduled payments of principal and/or interest, any Extension Expense and other amounts due on their underlying mortgage loans. If a borrower is unable to resume timely payment on the underlying mortgage loan or pay the Extension Expense, the losses on such underlying mortgage loan could ultimately be borne by the holders of one or more classes of certificates. See “Description of the Certificates—Advances of Delinquent Monthly Debt Service Payments” in this information circular.

***Due to COVID-19, Borrowers May Obtain Forbearance on Their Underlying Mortgage Loans, and May be Unable to Resume Making Payments on their Underlying Mortgage Loans at the End of the Forbearance Period, Which Could Reduce Payments Received by the Issuing Entity.*** Freddie Mac has made certain announcements regarding the servicing standard applicable to mortgaged real properties affected by COVID-19. On March 27, 2020, former President Trump signed into law the CARES Act, which sought to alleviate certain economic concerns

that have arisen due to the outbreak of COVID-19. A number of the CARES Act provisions related to the multifamily mortgage industry and the Federal National Mortgage Association (“Fannie Mae”) and Freddie Mac (the “GSEs”). Pursuant to guidance in an announcement dated April 9, 2020 (the “Initial Period Guidance”), further guidance in an announcement made on June 28, 2020 (the “First Additional Period Guidance”), further guidance in an announcement made on September 10, 2020 (the “Second Additional Period Guidance”), further guidance in an announcement made on December 23, 2020 (the “Third Additional Period Guidance”), further guidance in an announcement made on March 16, 2021 (the “Fourth Additional Period Guidance”) and further guidance in an announcement made on June 9, 2021 (collectively with the Initial Period Guidance, the First Additional Period Guidance, the Second Additional Period Guidance, the Third Additional Period Guidance and the Fourth Additional Period Guidance, the “Guidance”), Freddie Mac has been providing, and will continue to provide, temporary relief in the form of forbearance to borrowers whose mortgaged real properties or related operations are affected by the pandemic. The Guidance provides that a borrower that (i) has been current in its payments as of February 1, 2020, (ii) documents financial hardship as a consequence of the COVID-19 pandemic and (iii) for forbearance commencing after December 23, 2020, has not been 30 days or more past due in monthly payment of interest, principal (if applicable) and certain reserve deposits (if applicable) prior to the commencement of the forbearance period, is permitted to defer payment for a forbearance period of 90 days (three consecutive monthly payments). The borrower may then repay the total amount for which forbearance is given, without additional interest or prepayment premiums, over a period of 12 months in no more than 12 equal monthly installments following the end of the applicable forbearance period. Pursuant to the terms of the forbearance agreement, a borrower would be required, among other things, in accordance with the CARES Act (solely with respect to forbearances granted prior to its expiration), not to initiate or pursue eviction proceedings against any tenant during the forbearance period based solely on non-payment of rent or charge any late fees, penalties or other charges to a tenant for such non-payment of rent. The period in which a borrower may request forbearance and enter into a forbearance agreement ends on September 30, 2021 (the “Covered Period”), and the forbearance period must have commenced no later than September 1, 2021. The borrower must remain in compliance with all other terms and conditions of the underlying mortgage loan and at all times comply with all laws, including the CARES Act, if applicable (which may include the 120-day moratorium on evictions beginning with the enactment of the CARES Act). In the event of any conflict between the Freddie Mac servicing standard and any applicable provisions of the CARES Act (including any amendment to it or any other legislation), the CARES Act (or such amendment or other legislation) will control. Freddie Mac will pay the interest that accrues on any P&I Advance or Servicing Advance made by the master servicer for the forbearance period and the repayment period with respect to the underlying mortgage loans that are subject to the forbearance arrangements described in the Guidance, but will not pay interest (i) accrued on any advance made by the master servicer for the extended forbearance period or (ii) accrued during the extended repayment period on any advance made by the master servicer for the forbearance period or the extended forbearance period, each as provided in the Guidance.

Pursuant to the Guidance, Freddie Mac will provide additional temporary relief to borrowers who have already received and remain in full compliance with the relief measures outlined under the Guidance and as to whom the master servicer determines that (1) COVID-19 continues to be the underlying cause of the impairment of performance at the related mortgaged real property, and (2) one of the options described in the bullet points below (the “Supplemental Relief Options”) will provide a reasonably foreseeable recovery of performance of such mortgaged real property to that existing prior to the impacts of COVID-19 (the “Minimum Requirements”). In some cases, the master servicer may determine that a transfer of the loan to special servicing, rather than the pursuit of any of the Supplemental Relief Options, may be the most appropriate option as to a particular borrower and the related mortgaged real property. The selection of the appropriate Supplemental Relief Option, or the decision that none of the Supplemental Relief Options will produce an improved result for the certificateholders, will be determined by the master servicer in accordance with the Servicing Standard and will not be an election of the borrower. We cannot assure you which, if any, Supplemental Relief Option the master servicer will select as to a particular borrower and the related mortgaged real property. The Supplemental Relief Options are described in the following bullet points:

- Under the first option, if the borrower and the related mortgaged real property satisfy the Minimum Requirements, the forbearance period will remain at 90 days (as under the Initial Period Guidance) and the repayment period during which borrowers are required to repay the total amount for which forbearance was given will remain at 12 months (as under the Initial Period Guidance); however, borrowers that receive this option will be permitted to repay the owed amounts in 9 equal monthly installments starting with the fourth

month of such 12-month repayment period, thereby having a reprieve in repayment of three months. Freddie Mac will pay the interest that accrues on any P&I Advance or Servicing Advance made by the master servicer for the forbearance period and the repayment period.

- Under the second option, if the debt service coverage ratio for the year-to-date operation of the related mortgaged real property is less than 1.0x, and if the borrower and the mortgaged real property satisfy the Minimum Requirements, the forbearance period will remain at 90 days (as under the Initial Period Guidance) but the repayment period during which the borrower is required to repay the total amount for which forbearance was given will be extended by either three months (thereby having a repayment period of 15 months) or six months (thereby having a repayment period of 18 months). The borrower may repay the owed amounts in (i) 15 monthly installments, if the repayment period is 15 months or (ii) 18 monthly installments, if the repayment period is 18 months. Freddie Mac will pay the interest that accrues on any P&I Advance or Servicing Advance made by the master servicer for the forbearance period and the first 12 months of the repayment period. Thereafter, the borrower will be required under the related forbearance agreement amendment entered into in connection with the extension to pay the interest that accrues on any P&I Advance or Servicing Advance for the remaining three months or six months of the repayment period, as applicable, as an Extension Expense.
- Under the third option (the “Forbearance Period Extension”), if the debt service coverage ratio for the year to date operation of the related mortgaged real property is less than 1.0x, and the borrower and the mortgaged real property satisfy the Minimum Requirements, the forbearance period will be extended by three months (thereby having a forbearance period of six months) and the repayment period will either be 12 months following the end of the extended forbearance period or 24 months following the end of the extended forbearance period. If the repayment period is 12 months, the owed amounts may be repaid in 12 equal monthly installments and if the repayment period is 24 months, the owed amounts may be repaid in 24 equal monthly installments. The terms of the forbearance agreement initially entered into with the borrower will apply for the duration of the extended forbearance period. Within 15 days after the commencement of the extended forbearance period, the borrower will be required to remit one-half of the cash collected from operations at the mortgaged real property during the three-month initial forbearance period (less the costs of operation and maintenance) to reduce the owed amounts. Freddie Mac will pay the interest that accrues on any P&I Advance or Servicing Advance made by the master servicer for (i) the first three months of the forbearance period and (ii) the first 12 months of the repayment period (for amounts relating to the initial three-month forbearance period). Thereafter, the borrower will be required under the related forbearance agreement amendment entered into in connection with the extension to pay the interest that accrues on any P&I Advance or Servicing Advance for (i) the second three months of the forbearance period (unless Freddie Mac agrees to pay such interest in lieu of the borrower), (ii) the entirety of the repayment period (for amounts relating to the second three-month forbearance period) and (iii) the second 12 months (if any) of the repayment period (for amounts relating to the first three-month forbearance period), as an Extension Expense. The borrower is also required to pay a fee, which will be payable to the master servicer, the related sub-servicer and the special servicer. The master servicer will be required to obtain the written consent of the special servicer and the Approved Directing Certificateholder (if any) prior to granting any Forbearance Period Extension.

During the forbearance period and the repayment period, the borrower may not use the rents collected from the related mortgaged real property for any purpose other than the necessary operation and maintenance of such mortgaged real property or making debt service payments to lenders as permitted under the terms of the related loan documents. During the forbearance period and the repayment period, the borrower will not be permitted to charge tenants late fees, penalties or other charges for late or missed payments of rent, and must allow tenants to repay unpaid rental payments over a reasonable period of time and not in one lump sum at the end of the forbearance period. Unless prohibited by applicable law or regulation, the borrower must provide at least 30 days’ notice to vacate to any tenant that is being evicted solely for non-payment of rent (which notice may not be given prior to the expiration of the forbearance period, as may be extended). The Supplemental Relief Option that a borrower receives will be dependent on documented financial hardship, with each Supplemental Relief Option having different requirements.

You should assume that some borrowers with respect to the underlying mortgage loans will request forbearance or will enter into forbearance repayment periods during the Covered Period. However, we cannot predict how many borrowers will request forbearance. In addition, we cannot assure you that, following such grant of any such

forbearance, the applicable borrowers will be able to resume the timely payment of the scheduled payments of principal and/or interest and other amounts due on their underlying mortgage loans, or that any non-compliance by borrowers with respect to related tenant restrictions will not adversely impact cash flow from or operations at the related mortgaged real properties.

Current and future legislation or executive action may materially affect any forms of temporary relief or forbearance that Freddie Mac provides to borrowers whose mortgaged real properties or related operations are affected by a natural disaster, pandemic or other event. For example, the CARES Act included provisions that vary in some respects from the Guidance, and the result of such variations could be less favorable to the interests of certificateholders than would be the case if only the Guidance or only the CARES Act were in effect. Under the CARES Act, upon receipt of a forbearance request, the loan servicer was required to document the financial hardship, provide a forbearance period for up to 30 days, and extend the forbearance period for up to two additional 30-day periods upon borrower request. Further, independent of any forbearance arrangement, the CARES Act provided for a moratorium during which borrowers with GSE loans may not evict or initiate eviction proceedings against tenants for nonpayment of rent (tenants are not required to provide proof of hardship), and may not charge fees, penalties or other charges to the tenant related to such nonpayment of rent for 120 days after the enactment of the CARES Act (thereafter, a minimum 30-days eviction notice is required). While Freddie Mac, under the direction of FHFA, expects to continue to implement CARES Act requirements into the Guidance and Freddie Mac Servicing Practices, the CARES Act may have been ambiguous or silent with respect to certain relief measures and we cannot predict how any enactment, interpretation or enforcement of the CARES Act (or any amendment to it or any other legislation) will impact the forms of temporary relief or forbearance or cash flow from or operations at the mortgaged real properties. In addition, on December 27, 2020, former President Trump signed into law the Consolidated Appropriations Act, 2021, which included \$25 billion in funding for emergency rental assistance. Such emergency rental assistance funds are expected to be distributed to states, tribes, territories, the District of Columbia and units of local government with populations exceeding 200,000. To be eligible for assistance under the program, a renter may not have a household income that exceeds 80% of the area median income, among other qualifications. Assistance will be prioritized for households earning no more than 50% of an area's median income or that have at least one person in the household who's been unemployed for at least 90 days.

In addition, on August 8, 2020, former President Trump issued an executive order that, among other things, directed the Secretary of Health and Human Services, the Director of the Centers for Disease Control and Prevention (the "CDC"), the Secretary of the Treasury, the Secretary of HUD and the Director of FHFA, as applicable, to (i) consider whether a temporary eviction moratorium is reasonably necessary to prevent further spread of COVID-19, (ii) identify any federal funds available for temporary financial assistance to renters and homeowners experiencing financial hardships because of COVID-19, (iii) encourage and provide assistance to housing authorities, borrowers and grant recipients to prevent evictions and foreclosures and (iv) review existing authorities and resources to prevent evictions and foreclosures. In response, on September 1, 2020, the CDC issued an order effective September 4, 2020 through December 31, 2020 (which was extended through January 31, 2021 pursuant to the Consolidated Appropriations Act, 2021 and subsequently to July 31, 2021), temporarily halting residential evictions to prevent the further spread of COVID-19. During the effective period of the order, the CDC order prohibits landlords, owners of residential properties, and others with the right to pursue eviction or possessory action from evicting any of the following persons (each, a "CDC Covered Person") from residential properties in the United States: (i) individuals who earned no more than \$99,000 (or \$198,000 if filing jointly) in 2020 or expect to earn no more than \$99,000 (or \$198,000 if filing jointly) in 2021, (ii) individuals who were not required to report any income in 2020 to the IRS and (iii) individuals who received an "economic impact payment" (commonly known as a "stimulus check") pursuant to the CARES Act. CDC Covered Persons wishing to avail themselves of the protections provided by the CDC order are required to certify to their landlord under penalty of perjury that, among other things, despite best efforts to obtain all available government assistance for rent or housing, they are unable pay full rent due to a substantial loss of household income, loss of compensable hours of work or wages, layoffs or extraordinary out-of-pocket medical expenses. A CDC Covered Person must also certify that such CDC Covered Person is using best efforts to make timely partial payments of rent, and that such CDC Covered Person has no other available housing. The CDC order, however, does not relieve any obligation of the tenant to pay rent, fees, penalties or interest or otherwise comply with the terms of the applicable lease, and does not preclude evictions based on a tenant, lessee or resident (1) engaging in criminal activity while on the premises, (2) threatening the health or safety of other residents, (3) damaging or posing an immediate and significant risk of damage to property, (4) violating any applicable building code, health ordinance or other similar regulation relating to health and safety or (5) violating

any other contractual obligation, other than the timely payment of rent or similar housing-related payment (including non-payment or late payment of fees, penalties or interest). The CDC order permits the criminal prosecution of renters and landlords who violate the CDC order. The CDC order will likely prevent some borrowers from evicting certain tenants who are not current on their monthly payments of rent and who qualify for relief under the CDC order. The CDC order by its terms does not preempt or preclude state and local jurisdictions from more expansive orders currently in place or from imposing additional or more restrictive requirements than the CDC order to provide greater public health protection. Since the CDC order was issued, multiple different courts have held that the CDC order exceeded the constitutional or statutory authority granted to the CDC. The government has appealed certain of these decisions. These judgments also do not purport to implicate or affect any eviction moratoria that have been issued by state or local governments. On June 29, 2021, the Supreme Court of the United States denied an emergency application to lift the CDC order.

A number of states and local jurisdictions have declared states of emergency and have enacted, or may in the future enact, measures to protect tenants and borrowers. Such measures may include state and local forbearance protections for borrowers that may be in addition to the measures in place under the CARES Act. Many jurisdictions in the United States have suspended foreclosures and evictions, either due to announced policy or court closures. For example, on December 28, 2020, the Governor of New York signed into law the COVID-19 Emergency Eviction and Foreclosure Prevention Act of 2020 which as extended, among other things, currently places a moratorium on residential evictions until August 31, 2021 for tenants who submit documents stating that they have endured COVID-related financial hardship and a moratorium on residential foreclosure proceedings until August 31, 2021 and prohibits local governments from engaging in tax lien sales or tax foreclosures until August 31, 2021 (although payments due to localities remain due).

We cannot assure you that any of those measures will not adversely impact or delay the borrower's ability to make timely payments on the underlying mortgage loans, will not adversely impact or delay cash flow from, or operations at, the related mortgaged real properties, or will not adversely impact or delay the lender's ability to exercise its remedies upon default of an underlying mortgage loan.

Furthermore, some local recorder of deeds offices have closed due to the outbreak of COVID-19. Recordings of mortgages, assignments and similar activities may not be processed until such offices reopen, and may be further delayed as such offices address any backlogs of such activities that accumulated during the period that they were closed. We cannot assure you that such delays will not adversely impact or delay the lender's ability to exercise its remedies upon default of an underlying mortgage loan.

***Criminal Activity At a Mortgaged Real Property May Adversely Affect Property Performance, and Payments on the Offered Certificates Depend on Property Performance.*** Certain of the underlying mortgage loans are secured by mortgaged real properties that may have been, or may be, the site of criminal activities. Perceptions by prospective tenants of the safety and reputation of any such mortgaged real property may affect the cash flow produced by such mortgaged real property. In addition, in connection with any criminal activities that occur at a related mortgaged real property, litigation may be brought against a borrower, or political or social conditions may result in civil disturbances, which may disrupt operations at the property and ultimately affect cash flow.

***Forfeiture (Including for Drug, RICO and Money Laundering Violations) May Impede the Trust's Ability to Foreclose on a Mortgaged Real Property.*** Federal law provides that property purchased or improved with assets derived from criminal activity or otherwise tainted, or used in the commission of certain offenses, can be seized and ordered forfeited to the United States. A number of offenses can trigger such a seizure and forfeiture including, among others, violations of the Racketeer Influenced and Corrupt Organizations Act, the Bank Secrecy Act, the Money Laundering Control Act, the USA PATRIOT Act and the regulations issued pursuant to all of them, as well as the controlled substance laws. In many instances, the United States may seize the property civilly, without a criminal prosecution.

In the event of a forfeiture proceeding, a financial institution that is a lender may be able to establish its interest in the property by proving that (i) its mortgage was executed and recorded before the commission of the illegal conduct from which the assets used to purchase or improve the property were derived or before the commission of any other crime upon which the forfeiture is based, or (ii) at the time of the execution of the mortgage, despite appropriate due diligence, it "did not know or was reasonably without cause to believe that the property was subject to forfeiture." However, we cannot assure you that such a defense will be successful.

***Borrowers May Be Unable to Make Balloon Payments and Therefore Maturity Date Defaults May Occur.***

All of the underlying mortgage loans have amortization schedules that are significantly longer than their respective terms or are not scheduled to amortize, and all of the balloon loans require only payments of interest for part or all of their respective terms. See “Description of the Underlying Mortgage Loans—Certain Terms and Conditions of the Underlying Mortgage Loans—Additional Amortization Considerations” in this information circular. A longer amortization schedule or an interest-only provision in an underlying mortgage loan will result in a higher amount of principal outstanding on the underlying mortgage loan at any particular time, including at the maturity date of the underlying mortgage loan, than if a shorter amortization schedule been used or if the underlying mortgage loan had a shorter interest-only period or no interest-only period. That higher principal amount outstanding could make it more difficult for the related borrower to make the required balloon payment at maturity and could lead to increased losses for the issuing entity either during the loan term or at maturity if the underlying mortgage loan becomes a Defaulted Loan.

A borrower under an underlying mortgage loan of this type is required to make a substantial payment of principal and interest, which is commonly called a balloon payment, on the maturity date of the underlying mortgage loan. A borrower’s ability to make a balloon payment depends on its ability to refinance or sell the mortgaged real property. A borrower’s ability to refinance or sell the mortgaged real property will be affected by a number of factors, including—

- the fair market value and condition of the mortgaged real property;
- prevailing interest rates;
- the amount of equity the borrower has in the mortgaged real property;
- the borrower’s financial condition;
- the operating history of the mortgaged real property;
- changes in zoning and tax laws;
- changes in competition in the relevant area;
- changes in rental rates in the relevant area;
- changes in governmental regulation and fiscal policy;
- prevailing general and regional economic conditions;
- the state of the fixed income and mortgage markets;
- the availability of credit for mortgage loans secured by multifamily rental properties; and
- the requirements (including loan-to-value ratios and debt service coverage ratios) of lenders for mortgage loans secured by multifamily rental properties.

Neither we nor any of our affiliates, the mortgage loan seller or any of the Originators will be obligated to refinance any underlying mortgage loan.

In addition, compliance with legal requirements, such as the credit risk retention regulations under the Dodd-Frank Wall Street Reform and Consumer Protection Act (the “Dodd-Frank Act”), could cause commercial real estate lenders to tighten their lending standards and reduce the availability of debt financing for commercial real estate borrowers. This, in turn, may adversely affect a borrower’s ability to refinance the related underlying mortgage loan or sell the related mortgaged real property on the maturity date. We cannot assure you that each borrower will have the ability to repay the outstanding principal balance of such underlying mortgage loan on its maturity date.

The master servicer or the special servicer (or with respect to the Non-Serviced Loan, the Non-Serviced Companion Loan Master Servicer or the Non-Serviced Companion Loan Special Servicer) may, within prescribed limits, extend and modify underlying mortgage loans that are in default or as to which a payment default is reasonably foreseeable in order to maximize recoveries. The master servicer or the special servicer is only required to determine that any extension or modification is reasonably likely to produce a greater recovery than a liquidation of the real property securing the Defaulted Loan. There is a risk that the decision of the master servicer or the special servicer to extend or modify an underlying mortgage loan may not in fact produce a greater recovery.

***Modifications of Delinquent or Defaulted Underlying Mortgage Loans May Limit Collections.*** If any underlying mortgage loans become delinquent or are in default, the special servicer (or with respect to the Non-Serviced Loan, the Non-Serviced Companion Loan Special Servicer) will be required to work with the related borrowers to maximize collections. This may include modifying the terms of such underlying mortgage loans that are in default or whose default is reasonably foreseeable. The special servicer will need to invest time and resources in its effort to bring a Defaulted Loan current or in maximizing proceeds to the issuing entity. Loan modifications implemented by the special servicer in order to maximize proceeds may, among other things, reduce or change the mortgage rate, forgive or forbear on payments of principal, interest or other amounts owed under the underlying mortgage loan, extend the maturity date, capitalize or defer delinquent interest and other amounts owed under the underlying mortgage loan, forbear payment of a portion of the principal balance of the underlying mortgage loan or any combination of these or other modifications. Any modified underlying mortgage loan may remain in the issuing entity, and the modification may result in reduced collections from such underlying mortgage loan.

***Certain Multifamily Properties May Contain Commercial Units and Therefore the Repayment of the Underlying Mortgage Loans May Depend in Part Upon the Economic Performance of the Commercial Tenants' Businesses.*** Certain of the mortgaged real properties may contain retail, office or other commercial units. The value of retail, office and other commercial units and the rental income derived from such units, is significantly affected by the quality of the tenants and the success of the tenants' businesses. The correlation between the success of tenant businesses and a retail unit's value may be more direct with respect to retail units than other types of commercial property because a component of the total rent paid by certain retail tenants may be calculated as a percentage of gross sales. In addition, certain retail, office and commercial units may have tenants that are subject to risks unique to their business, such as medical offices, dental offices, theaters, educational facilities, fitness centers and restaurants. These types of spaces may not be readily convertible to alternative uses if the spaces were to become vacant. We cannot assure you that the existence of retail, office or other commercial units will not adversely impact operations at or the value of the mortgaged real properties.

***The Source of Repayment on the Offered Certificates Will Be Limited to Payments and Other Collections on the Underlying Mortgage Loans, and the Underlying Mortgage Loans are not Insured or Guaranteed.*** The offered certificates will represent interests solely in the issuing entity and the primary assets of the issuing entity will be the pool of underlying mortgage loans. Accordingly, repayment of the offered certificates will be limited to payments and other collections on the underlying mortgage loans, subject to the Freddie Mac Guarantee.

The underlying mortgage loans will not be an obligation of, or be insured or guaranteed by:

- any governmental entity;
- any private mortgage insurer;
- the depositor;
- Freddie Mac;
- any Originator;
- the master servicer;
- the special servicer;
- any sub-servicer of the master servicer or the special servicer;
- the trustee;
- the certificate administrator;
- the custodian; or
- any of their respective affiliates.

***All of the Underlying Mortgage Loans Are Secured by Multifamily Rental Properties, Thereby Materially Exposing Offered Certificateholders to Risks Associated with the Performance of Multifamily Rental Properties.*** All of the mortgaged real properties are primarily operated as multifamily rental properties. A number of factors

may adversely affect the value and successful operation of a multifamily rental property. Some of these factors include:

- the number of competing residential developments in the local market, including apartment buildings, manufactured housing community properties and site-built single-family homes;
- the physical condition and amenities of the property in relation to competing properties, including whether the property’s furnishings, appliances and amenities are outdated, as well as the property’s access to transportation;
- the property’s reputation;
- applicable state and local regulations designed to protect tenants in connection with evictions and rent increases, including rent control and rent stabilization regulations;
- the tenant mix, such as the tenant population being predominantly students or low-income tenants, or being heavily dependent on workers from a particular business or personnel from a local military base;
- restrictions on the age or income of tenants who may reside at the property;
- local factory or other large employer closings;
- the location of the property, for example, a change in the neighborhood over time;
- the level of mortgage interest rates to the extent it encourages tenants to purchase housing instead of renting;
- the management team’s ability to effectively manage the property and provide adequate maintenance;
- the management team’s ability to maintain adequate insurance;
- compliance and continuance of any government housing rental subsidy programs from which the property receives benefits and whether such subsidies or vouchers may be used at other properties;
- distance from employment centers and shopping areas;
- adverse local or national economic conditions, which may limit the amount of rent that may be charged and may result in a reduction of timely rent payment or a reduction in occupancy level;
- the financial condition of the owner of the property; and
- government agency rights to approve the conveyance of such mortgaged real properties could potentially interfere with the foreclosure or execution of a deed-in-lieu of foreclosure of such properties.

***Multifamily Properties May Be Subject to Government Regulations.*** Some states regulate the relationship of an owner and its tenants at a multifamily rental property. Among other things, these states may—

- require written leases;
- require good cause for eviction;
- require disclosure of fees;
- prohibit unreasonable rules;
- prohibit retaliatory evictions;
- prohibit restrictions on a resident’s choice of unit vendors;
- limit the bases on which a landlord may increase rent; or
- prohibit a landlord from terminating a tenancy solely by reason of the sale of the owner’s building.

Apartment building owners have been the subject of lawsuits under state “Unfair and Deceptive Practices Acts” and other general consumer protection statutes for coercive, abusive or unconscionable leasing and sales practices.

Some counties and municipalities also impose rent control regulations on apartment buildings. These regulations may limit rent increases to—

- fixed percentages;
- percentages of increases in the consumer price index;
- increases set or approved by a governmental agency; or
- increases determined through mediation or binding arbitration.

For example, with respect to the mortgaged real property identified on Exhibit A-1 as “The Rheingold A-2,” securing an underlying mortgage loan representing 10.9% of the initial mortgage pool balance, the mortgaged real property may be subject to rent control or rent stabilization laws or regulations or other similar statutory or contractual programs.

Some counties and municipalities have imposed or may impose in the future stricter rent control regulations on apartment buildings. For example, on June 14, 2019, the New York State Senate passed the Housing Stability and Tenant Protection Act of 2019 (the “HSTP Act”), which, among other things, limits the ability of landlords to increase rents in rent-stabilized apartments in New York State at the time of lease renewal and after a vacancy. The HSTP Act also limits potential rent increases for major capital improvements and for individual apartment improvements in such rent-stabilized apartments. In addition, the HSTP Act permits certain qualified localities in the State of New York to implement the rent stabilization system. We cannot assure you that the HSTP Act will not have an adverse impact on the value of mortgaged real properties located in the State of New York that are subject to the HSTP Act.

***Multifamily Rental Properties May Be Subject to Rent Control or Rent Stabilization, Which May Adversely Affect the Borrower’s Ability to Repay the Mortgage Loan.*** We cannot assure you that rent control or rent stabilization laws or regulations will not cause a reduction in the rental income or value of any mortgaged real property. Any limitations on a landlord’s ability to raise rents at a multifamily rental property may impair the landlord’s ability to repay an underlying mortgage loan secured by the mortgaged real property or to pay operating expenses.

In addition, multifamily rental properties are part of a market that, in general, is characterized by low barriers to entry. Thus, a particular multifamily rental property market with historically low vacancies could experience substantial new construction and a resultant oversupply of rental units within a relatively short period of time. Because units in a multifamily rental property are typically leased on a short-term basis, the tenants residing at a particular property may easily move to alternative multifamily rental properties with more desirable amenities or locations or to single-family housing.

***Multifamily Rental Properties May Be Subject to Use Restrictions Which Can Adversely Affect the Borrower’s Ability to Fulfill its Obligations Under the Mortgage Loan.*** Certain of the multifamily rental properties that secure the underlying mortgage loans may be subject to certain restrictions imposed pursuant to restrictive covenants, reciprocal easement agreements and operating agreements or historical landmark designations.

Such use restrictions could include, for example, limitations on the use of the properties, the character of improvements on the properties, the borrowers’ right to operate certain types of facilities within a prescribed radius of the properties and limitations affecting noise and parking requirements, among other things. In addition, certain of the multifamily rental properties that secure the underlying mortgage loans may have access to certain amenities and facilities at other local properties pursuant to shared use agreements, and we cannot assure you that such use agreements will remain in place indefinitely, or that any amenities and facilities at other properties will remain available to the tenants of any multifamily rental property securing an underlying mortgage loan. These limitations could adversely affect the related borrower’s ability to lease the mortgaged real property on favorable terms, thus adversely affecting the borrower’s ability to fulfill its obligations under the related underlying mortgage loan.

Some of the multifamily rental properties that secure the underlying mortgage loans may be subject to land use restrictive covenants or contractual covenants in favor of federal or state housing agencies. The related borrowers’ obligation to comply with such restrictive covenants and contractual covenants, in most cases, constitute encumbrances on the related mortgaged real property that are superior to the lien of the related underlying mortgage

loan. In circumstances where the mortgaged real property is encumbered by a regulatory agreement in favor of a federal or state housing agency, the borrower is generally required by the loan documents to comply with any such regulatory agreement. The covenants in a regulatory agreement may require, among other things, that a minimum number or percentage of units be rented to tenants who have incomes that are substantially lower than median incomes in the applicable area or region or impose restrictions on the type of tenants who may rent units, such as imposing minimum age restrictions. These covenants may limit the potential rental rates that may govern rentals at any of those properties, the potential tenant base for any of those properties or both. An owner may subject a multifamily rental property to these covenants in exchange for tax credits or rent subsidies. When the credits or subsidies cease, net operating income will decline. We cannot assure you that these requirements will not cause a reduction in rental income. If rents are reduced, we cannot assure you that the related property will be able to generate sufficient cash flow to satisfy debt service payments and operating expenses.

***Multifamily Rental Properties May Be Subject to Regulatory Agreements or Section 8, Which May Adversely Affect the Mortgaged Property's Operations and the Borrower's Ability to Generate Revenue.*** Multifamily properties may be subject to contractual covenants contained in regulatory agreements that require a borrower, among other conditions, (i) to submit periodic compliance reports and/or permit regulatory authorities to conduct periodic inspections of the related mortgaged real property, (ii) to meet certain requirements as to the condition of affordable units or (iii) to seek the consent of a regulatory authority in connection with the transfer or sale of the mortgaged real property or in connection with a change in the property management. In some cases, regulatory agreements may provide for remedies other than specific performance of restrictive covenants. Such other remedies may include, but are not limited to, providing for the ability of a regulatory authority to replace the property manager. In addition, in some cases, regulatory agreements may impose restrictions on transfers of the mortgaged real property in connection with a foreclosure, including, but not limited to, requiring regulatory authority consent and limiting the type of entities that are permissible transferees of the mortgaged real property. We cannot assure you that these circumstances will not adversely impact operations at or the value of the mortgaged real property, that such consent will be obtained in the event a federal or state housing agency has the right to consent to any change in the property management or ownership of the mortgaged real property or that the failure to obtain such consent will not adversely impact the issuing entity's ability to exercise its remedies upon default of an underlying mortgage loan.

Some of the mortgaged real properties may have tenants that rely on rent subsidies under various government funded programs, including the Section 8 Tenant-Based Assistance Rental Certificate Program of the United States Department of Housing and Urban Development ("Section 8"). In addition, with respect to certain of the underlying mortgage loans, the borrower may receive subsidies or other assistance from government programs. Generally, a mortgaged real property receiving such subsidy or assistance must satisfy certain requirements, the borrower must observe certain leasing practices and/or the tenants must regularly meet certain income requirements. See "Description of the Underlying Mortgage Loans—Additional Loan and Property Information—Rental Subsidy Programs" in this information circular for a description of mortgaged real properties subject to rental subsidy programs, including Section 8.

We cannot assure you that such programs will continue in their present form or that the borrowers will continue to comply with the requirements of the programs to enable the borrowers to receive the subsidies in the future or that the level of assistance provided will be sufficient to generate enough revenues for the borrowers to meet their obligations under the underlying mortgage loans, nor can we assure you that any transferee of the mortgaged real property, whether through foreclosure or otherwise, will obtain the consent of the United States Department of Housing and Urban Development ("HUD") or any state or local housing agency.

***Multifamily Rental Properties May Be Entitled to Low-Income Housing Tax Credits, Which May Limit Net Operating Income.*** Some of the mortgaged real properties may entitle or may have entitled their owners to receive low-income housing tax credits pursuant to Code Section 42. Code Section 42 provides a tax credit for owners of multifamily rental properties meeting the definition of low-income housing who have received a tax credit allocation from a state or local allocating agency. The total amount of tax credits to which a property owner is entitled is based on the percentage of total units made available to qualified tenants.

The tax credit provisions limit the gross rent for each low-income unit. Under the tax credit provisions, a property owner must comply with the tenant income restrictions and rental restrictions over a minimum of a 15-year compliance period. In addition, agreements governing the multifamily rental property may require an "extended use period," which has the effect of extending the income and rental restrictions for an additional period.

In the event a multifamily rental property does not maintain compliance with the tax credit restrictions on tenant income or rental rates or otherwise satisfy the tax credit provisions of the Code, the property owner may suffer a reduction in the amount of available tax credits and/or face the recapture of all or part of the tax credits related to the period of the noncompliance and face the partial recapture of previously taken tax credits. The loss of tax credits, and the possibility of recapture of tax credits already taken, may provide significant incentive for the property owner to keep the related multifamily rental property in compliance with such tax credit restrictions and limit the income derived from the related property, which may adversely affect distributions on the certificates.

See “Description of the Underlying Mortgage Loans—Additional Loan and Property Information—Low-Income Housing Tax Credits” in this information circular for a description of mortgaged real properties subject to low-income housing tax credits.

***Multifamily Rental Properties May Be Receiving Tax Abatements or Tax Exemptions, Which, if Discontinued, May Adversely Affect the Borrower’s Ability to Generate Sufficient Cash Flow.*** Some of the mortgaged real properties may entitle or may have entitled their owners to receive tax abatements or exemptions or may be subject to reduced taxes in connection with a “payment in lieu of taxes” (“PILOT”) agreement.

With respect to such mortgaged real properties that entitle their owners to receive tax exemptions, the related Cut-off Date LTVs are often calculated using Appraised Values that assume that the owners of such mortgaged real properties receive such property tax exemptions. Such property tax exemptions often require the property owners to be formed and operated for qualifying charitable purposes and to use the property for those qualifying charitable purposes. Claims for such property tax exemptions must often be re-filed annually by the property owners. Although the loan documents generally require the borrower to submit an annual claim and to take actions necessary for the borrower and the mortgaged real property to continue to qualify for a property tax exemption, if the borrower fails to do so, property taxes payable by the borrower on the mortgaged real property could increase, which could adversely impact the cash flow at or the value of the mortgaged real property. In addition, if the issuing entity forecloses on any such mortgaged real property, the issuing entity may be unable to qualify for a property tax exemption. Finally, if the issuing entity sells any such mortgaged real property in connection with a default on the underlying mortgage loan, prospective purchasers may be unwilling to bid on the mortgaged real property if they are unable to satisfy the requirements of a property tax exemption. This could limit the pool of prospective purchasers for any such mortgaged real property.

We cannot assure you that any tax abatements and exemptions or PILOT agreements will continue to benefit the related mortgaged real properties or that the continuance or termination of any of the tax abatements or exemptions will not adversely impact the mortgaged real properties or the related borrowers’ ability to generate sufficient cash flow to satisfy debt service payments and operating expenses. See “Description of the Underlying Mortgage Loans—Additional Loan and Property Information—Tax Abatements and Exemptions” in this information circular for additional information relating to tax abatements and exemptions applicable to the mortgaged real properties.

***The Successful Operation of a Multifamily Property Depends on Tenants.*** Generally, multifamily properties are subject to leases. The owner of a multifamily property typically uses lease or rental payments for the following purposes—

- to pay for maintenance and other operating expenses associated with the property;
- to fund repairs, replacements and capital improvements at the property; and
- to pay debt service on mortgage loans secured by, and any other debt obligations associated with operating, the property.

Factors that may adversely affect the ability of a multifamily property to generate net operating income from lease and rental payments include—

- an increase in vacancy rates, which may result from tenants deciding not to renew an existing lease;
- an increase in tenant payment defaults;
- a decline in rental rates as leases are entered into, renewed or extended at lower rates;

- if rental rates are less than the average market rental rates for the area and are not offset by low operating expenses;
- an increase in the capital expenditures needed to maintain the property or to make improvements; and
- an increase in operating expenses.

***Ground Leases May Adversely Impact the Borrower's Ability to Generate Cash Flow.*** With respect to the mortgaged real property identified on Exhibit A-1 as “The Salado At Red Berry,” securing an underlying mortgage loan representing 5.1% of the initial mortgage pool balance, the underlying mortgage loan is secured by the leasehold interest of the related borrower and the fee interest of the related ground lessor in the mortgaged real property. With respect to the mortgaged real property identified on Exhibit A-1 as “Whispering Pines,” securing an underlying mortgage loan representing 1.6% of the initial mortgage pool balance, the underlying mortgage loan is secured by the leasehold interest of the related borrower in the land related to the mortgaged real property, the fee interest of the related borrower in certain improvements on the related mortgaged real property and the fee interest of the related ground lessor in the land related to the mortgaged real property. A ground lease is an agreement in which a property owner leases a property to a tenant for a term during which the tenant can use the property, after which the right to use the property reverts to the property owner. Ground leases are riskier than fee interests in real property because the tenant does not own the property, but merely leases the right to use the property for a certain term. We cannot assure you that circumstances related to the ground lease agreements at any mortgaged real property secured by the fee interest of a ground lessor and the leasehold interest of a borrower will not adversely impact operations at, or the value of, such mortgaged real property or the borrower’s ability to generate sufficient cash flow to satisfy debt service payments and operating expenses. See “Description of the Underlying Mortgage Loans—Additional Loan and Property Information—Ground Lease” in this information circular.

***Manufactured Housing Community Properties Are Special Use Properties and if the Lender Forecloses, the Property May Not be Readily Convertible to Other Uses and May Have a Lower Liquidation Value.*** 2 of the mortgaged real properties identified on Exhibit A-1 as “Longhaven Estates MHC” and “Tradewinds MHC,” securing underlying mortgage loans collectively representing 3.5% of the initial mortgage pool balance, are manufactured housing community properties. Manufactured housing community properties are special purpose properties that generally cannot be readily converted to traditional multifamily use. Thus, if the operation of any of the manufactured housing community properties becomes unprofitable due to competition, age of the improvements or other factors such that the related borrower becomes unable to meet its obligations on the related underlying mortgage loan, the liquidation value of that manufactured housing community property may be substantially less, relative to the amount owing on the underlying mortgage loan, than would be the case if the manufactured housing community property were readily adaptable to other uses.

- Manufactured housing community mortgaged real properties may have limited or no amenities, which may also affect property performance.
- Manufactured housing community mortgaged real properties may have a material number of recreational vehicle pads. For example, with respect to the mortgaged real properties identified on Exhibit A-1 as “Longhaven Estates MHC” and “Tradewinds MHC,” securing underlying mortgage loans collectively representing 3.5% of the initial mortgage pool balance, the sponsor of each related borrower reported that the related mortgaged real property has certain recreational vehicle pads. Tenants for such pads tend to be more transient and the net cash flow for the related mortgaged real property may be subject to greater fluctuations. Rentals of recreational vehicle pads may also be more seasonal in nature.
- Manufactured housing community mortgaged real properties may be considered grandfathered with respect to federal safety standards and may not conform to current federal safety standards, and any new or replacement units will be required to conform to such standards.
- Manufactured housing community mortgaged real properties may have a material number of leased homes that are currently owned by an affiliate of the borrower and rented by tenants like apartments. If the leased homes are owned by an affiliate of the borrower, the related pads may, in some cases, be subject to a master lease that is in effect with that affiliate. In such cases, the tenants will tend to be more transient and less tied to the property than if they owned their own home. Such leased homes do not, in most or all such cases, constitute collateral for the related underlying mortgage loan. Some of the leased homes that are not collateral for the related underlying mortgage loan may be rented on a lease-to-own basis.

- The borrowers may have affiliates that sell, market or lease new or pre-owned manufactured homes.
- Manufactured housing community properties may not be connected to public water and/or sewer systems. In such cases, the borrower could incur a substantial expense if it were required to connect the property to such systems in the future. In addition, the use of well water and/or septic systems or private sewage treatment facilities increases the risk that the property could be adversely affected by a recognized environmental condition that impacts soil and groundwater.
- Manufactured housing community mortgaged real properties may have tenants with month-to-month leases that are not obligated to remain at the mortgaged real property for any extended period.
- Depending on the location of a manufactured housing community property, occupancy and collections may be highly seasonal. For example, a manufactured housing community in the southern portion of the United States might earn most of its income from late fall to early spring. In addition, under such circumstances, a large number of tenants may be in actual occupancy only during a portion of the calendar year and may prepay a substantial amount of their rent for the period that they are not actually living in the community. If a borrower defaults while holding those prepayments of rent, there is a risk that a lender may not be able to recover such amounts.
- Manufactured housing community mortgaged real properties may have lower insurable values than other multifamily mortgaged real properties. In the event of a casualty related to a manufactured housing community mortgaged real property, insurance proceeds may not be sufficient to cover amounts due under the related underlying mortgage loan.
- We cannot assure you that these circumstances will not adversely impact operations at or the value of the mortgaged real property.

For purposes of the statistical presentation in this information circular, the number of units shown for any manufactured housing community mortgaged real property includes manufactured home pads and recreational vehicle pads and may also include manager apartments, rental apartments, site-built homes or other rentable spaces that are ancillary to the operation of the mortgaged real property.

See “Description of the Underlying Mortgage Loans—Additional Loan and Property Information—Manufactured Housing Community Properties” in this information circular for additional information relating to any underlying mortgage loans secured by a mortgaged real property that is a manufactured housing community property.

***Underlying Mortgage Loans with MHC Tenant Protections Impose Restrictions on Borrowers, and the Failure of a Borrower to Implement MHC Tenant Protections May Cause the Borrower to Incur an MHC Tenant Protections Fee, Which Will Reduce a Borrower’s Funds Available to Make Payments on the Underlying Mortgage Loan.*** If applicable, certain underlying mortgage loans identified on Exhibit A-1 under the column titled “Non-Compliance Provisions (Y/N)” and the related footnotes may have been underwritten in accordance with Freddie Mac’s MHC Mortgages with Tenant Protections program (each such mortgage loan, a “MHC Tenant Protections Loan”). Each MHC Tenant Protections Loan was underwritten assuming that the related borrower will make certain changes (the “MHC Tenant Protections”) to its leases of manufactured home pads leased to homeowners who own their own manufactured homes (“MHC Homeowner Leases”), generally within 12 months after origination of the underlying mortgage loan.

If the borrower fails to implement the MHC Tenant Protections, an MHC Tenant Protections Fee in the amount of 2% of the original principal balance of such MHC Tenant Protections Loan at origination will be due from the borrower. Freddie Mac, in its capacity as Guarantor, will be entitled to retain as additional compensation any MHC Tenant Protections Fees, which will not be considered an asset of the issuing entity and will not be used to pay down the principal balance of the related MHC Tenant Protections Loan. We cannot assure you that any borrower will complete any such modification of its form of MHC Homeowner Leases or that such modifications will be completed within 12 months after origination of the related MHC Tenant Protections Loan. Any MHC Tenant Protections Fee payable by a borrower will reduce the borrower’s available funds to make payments on the underlying mortgage loan. See “Description of the Underlying Mortgage Loans—Certain Terms and Conditions of the Underlying Mortgage Loans—Manufactured Housing Community Tenant Protections” in this information circular.

***Impact Affordable Loans Impose Rental Restrictions on Borrowers, and the Failure of a Borrower to Comply with Such Rental Restrictions May Cause the Borrower to Incur an Affordability Non-Compliance Fee, Which Will Reduce a Borrower's Funds Available to Make Payments on the Underlying Mortgage Loan.*** Certain underlying mortgage loans identified on Exhibit A-1 under the column titled “Non-Compliance Provisions (Y/N)” and the related footnotes may have been originated in accordance with Freddie Mac’s Impact Affordable Loan product (the “Impact Affordable Loans”). Impact Affordable Loans are loans that were originated assuming that the related borrower would receive certain financial incentives as consideration for maintaining, in accordance with the terms of the related Required Rent Restrictions rider or Required Rent and Income Restrictions rider, as applicable (in either case, the “Required Rent Restrictions Rider”), a specified percentage of the units on such mortgaged real property (the “Minimum Set-Aside Units”). Such Minimum Set-Aside Units must have rental rates that meet certain workforce housing affordability levels (the “Required Rent Restrictions”), and, if so stipulated in the related Required Rent Restrictions Rider, must be leased to tenants earning no more than a specified percentage of the related area median income (the “Required Income Restrictions”). If the borrower does not comply with the Required Rent Restrictions and the Required Income Restrictions, the borrower will be required to pay an Affordability Noncompliance Fee in the amount set forth in the related Required Rent Restrictions Rider. All Affordability Noncompliance Fees actually collected from any borrower will be paid to Guarantor, will not be an asset of the issuing entity and will not be used to pay down the principal balance of the related Impact Affordable Loan. We cannot assure you that the related borrowers will comply with the terms of any Impact Affordable Loan or pay any Affordability Noncompliance Fee. Any Affordability Noncompliance Fee payable by a borrower will reduce the borrower’s available funds to make payments on the underlying mortgage loan. See “Description of the Underlying Mortgage Loans—Certain Terms and Conditions of the Underlying Mortgage Loans—Impact Affordable Loans” in this information circular.

***Student Housing Facilities Pose Risks Not Associated with Other Types of Multifamily Properties Due to Shorter Leases and Wear and Tear, and May Not Be Readily Convertible to Traditional Multifamily Use.*** Student housing facilities may be more susceptible to damage or wear and tear than other types of multifamily housing. Such properties are also affected by their reliance on the financial well-being of the college or university to which such housing relates, competition from on-campus housing units (which may adversely affect occupancy), and the physical layout of the housing (which may not be readily convertible to traditional multifamily use). Further, student tenants have a higher turnover rate than other types of multifamily tenants, which in certain cases is compounded by the fact that some student leases are available for periods of less than 12 months. Some of the mortgaged real properties securing the underlying mortgage loans have tenants who are students.

In addition, as a result of the outbreak of COVID-19, many colleges and universities have been prohibiting or limiting in-person attendance by students and/or implemented COVID-19 vaccination requirements for students to return to campuses in the fall of 2021. Consequently, the performance of any underlying mortgage loan that is secured by student housing may be negatively affected by such measures, and we cannot assure you as to when such measures will be lifted or if other colleges and universities may implement similar measures.

***The Success of a Multifamily Property Depends on Reletting Vacant Spaces, Which Requires Re-Leasing Expenditures and Skilled Property Management.*** The operations at or the value of a multifamily property will be adversely affected if the owner or property manager is unable to renew leases or relet space on comparable terms when existing leases expire and/or become defaulted. Even if vacated space is successfully relet, the costs associated with reletting can be substantial and could reduce cash flow. Moreover, if a tenant defaults in its lease obligations, the landlord may incur substantial costs and experience significant delays associated with enforcing its rights and protecting its investment, including costs incurred in renovating and reletting the property. We cannot assure you that these circumstances will not adversely impact operations at or the value of the mortgaged real properties. If an income-producing property has multiple tenants, re-leasing expenditures may be more frequent than in the case of a property with fewer tenants, thereby reducing the cash flow generated by the multi-tenanted property. If a smaller income-producing property has fewer tenants, increased vacancy rates may have a greater possibility of adversely affecting operations at or the value of the related mortgaged real property, thereby reducing the cash flow generated by the mortgaged real property. For example, with respect to 22 of the underlying mortgage loans, collectively representing 9.7% of the initial mortgage pool balance, each related mortgaged real property includes 100 or fewer units or pads, as applicable. Similarly, if an income producing property has a number of short-term leases, re-leasing expenditures may be more frequent, thereby reducing the cash flow generated by such property.

***Maintaining a Property in Good Condition May Be Costly.*** The owner may be required to expend a substantial amount to maintain, renovate or refurbish a multifamily property. Failure to do so may materially impair the property's ability to generate cash flow. The effects of poor construction quality will increase over time in the form of increased maintenance and capital improvements. Even superior construction will deteriorate over time if management does not schedule and perform adequate maintenance in a timely fashion. Some of the mortgaged real properties may be relatively old and have basic or dated interior finishes, older appliances and limited or no amenities, which may make any future renovation or refurbishment projects at these properties more costly and/or difficult. We cannot assure you that a mortgaged real property will generate sufficient cash flow to cover the increased costs of maintenance and capital improvements in addition to paying debt service on the related underlying mortgage loan or, in the case of the Non-Serviced Loan, the Non-Serviced Whole Loan.

The proportion of older mortgaged real properties may adversely impact payments on the underlying mortgage loans on a collective basis. For example, with respect to 12 of the mortgaged real properties, securing underlying mortgage loans collectively representing 24.4% of the initial mortgage pool balance, all or part of the mortgaged real properties were constructed prior to 1980. We cannot assure you that a greater proportion of underlying mortgage loans secured by older mortgaged real properties will not adversely impact cash flow at the mortgaged real properties on a collective basis or that it will not adversely affect payments related to your investment.

Certain of the mortgaged real properties may currently be undergoing or are expected to undergo in the future redevelopment or renovation. We cannot assure you that any current or planned redevelopment or renovation will be completed, that such redevelopment or renovation will be completed in the time frame contemplated, or that, when and if redevelopment or renovation is completed, such redevelopment or renovation will improve the operations at, or increase the value of, the property. Failure of any of these things to occur could have a material negative impact on the related underlying mortgage loan, which could affect the related borrower's ability to repay the underlying mortgage loan. In addition, ongoing construction at a mortgaged real property may make such mortgaged real property less attractive to tenants and, accordingly, could have a negative effect on net operating income.

In the event a borrower (or a tenant, if applicable) fails to pay the costs of work completed or material delivered in connection with ongoing redevelopment or renovation, the portion of the mortgaged real property on which there is construction may be subject to mechanic's or materialmen's liens that may be senior to the lien of the related underlying mortgage loan.

If the special servicer forecloses on behalf of the issuing entity on a mortgaged real property that is being redeveloped or renovated, pursuant to the REMIC Provisions, the special servicer will only be permitted to arrange for completion of the redevelopment or renovation if more than 10% of the costs of construction were incurred at the time the default on the related underlying mortgage loan became imminent. As a result, there is a risk that the issuing entity may not realize as much proceeds upon disposition of a foreclosure property as it would if it were permitted to complete construction.

See "Description of the Underlying Mortgage Loans—Additional Loan and Property Information—Redevelopment or Renovation" in this information circular for a description of certain mortgaged real properties subject to current or future redevelopment, renovation or construction.

***Competition Will Adversely Affect the Profitability and Value of an Income-Producing Property, Which in Turn Affects the Borrower's Ability to Repay its Loan, and the Potential Value of the Property in the Event the Issuing Entity Must Foreclose.*** Some income-producing properties are located in highly competitive areas. Comparable income-producing properties located in the same area compete on the basis of a number of factors including—

- rental rates;
- location;
- type of services and amenities offered; and
- nature and condition of the particular property.

The profitability and value of an income-producing property may be adversely affected by a comparable property that—

- offers lower rents;
- has lower operating costs;
- offers a more favorable location; or
- offers better facilities and/or amenities.

Costs of renovating, refurbishing or expanding an income-producing property in order to remain competitive can be substantial.

If a mortgaged real property ceases to be competitive in its area, it may not be able to support debt service on the underlying mortgage loan, and its potential foreclosure value may not cover the outstanding principal balance of the underlying mortgage loan that remains.

***Borrower Bankruptcy Proceedings Can Delay and Impair Recovery on an Underlying Mortgage Loan.*** Under Title 11 of the United States Code, as amended (the “Bankruptcy Code”), the filing of a petition in bankruptcy by or against a borrower, including a petition filed by or on behalf of a junior lienholder or the Non-Serviced Companion Loan Holder, will stay the sale of a mortgaged real property owned by that borrower, as well as the commencement or continuation of a foreclosure action. This may delay the issuing entity’s recovery.

In addition, if a bankruptcy court determines that the value of a mortgaged real property is less than the principal balance of the underlying mortgage loan it secures, the bankruptcy court may reduce the amount of secured indebtedness to the then-current value of the property. This would make the issuing entity a general unsecured creditor for the difference between the then-current value of the mortgaged real property and the amount of its outstanding mortgage indebtedness. To the extent this occurs, the likelihood of recovery will likely be diminished.

A bankruptcy court also may—

- grant a debtor a reasonable time to cure a payment default on an underlying mortgage loan;
- reduce monthly payments due under an underlying mortgage loan;
- change the rate of interest due on an underlying mortgage loan; or
- otherwise alter an underlying mortgage loan’s repayment schedule.

Furthermore, the borrower, as debtor-in-possession, or its bankruptcy trustee has special powers to avoid, subordinate or disallow debts. In some circumstances, the claims of a secured lender, such as the issuing entity, may be subordinated to financing obtained by a debtor-in-possession subsequent to its bankruptcy.

Under the Bankruptcy Code, a lender will be stayed from enforcing a borrower’s assignment of rents and leases. The legal proceedings necessary to resolve these issues can be time consuming and may significantly delay the receipt of rents. Rents also may escape an assignment to the extent they are used by a borrower to maintain its property or for other court authorized expenses.

As a result, the issuing entity’s recovery with respect to borrowers in bankruptcy proceedings may be significantly delayed, and the total amount ultimately collected may be substantially less than the amount owed.

Pursuant to the doctrine of substantive consolidation, a bankruptcy court, in the exercise of its equitable powers, has the authority to order that the assets and liabilities of a borrower be consolidated with those of a bankrupt affiliate for the purposes of making distributions under a plan of reorganization or liquidation. Thus, property that is ostensibly the property of a borrower may become subject to the bankruptcy case of an affiliate, the automatic stay applicable to such bankrupt affiliate may be extended to a borrower and the rights of creditors of a borrower may become impaired. In connection with the origination of 48 of the underlying mortgage loans, collectively representing 56.4% of the initial mortgage pool balance, no non-consolidation opinions with respect to the related borrower entities were obtained at origination.

Certain of the key principals or sponsors of the applicable borrowers may have declared bankruptcy in the past, which may mean they are more likely than key principals or sponsors of other borrowers to declare bankruptcy again in the future or put the borrowing entities into bankruptcy in the future. With respect to the underlying mortgage loans secured by the mortgaged real properties identified on Exhibit A-1 as “Town Southern,” “Astorwood,” “Apple Ridge,” “Ridgewood Court,” “Palm Place,” “Summit Center,” “Pine Barrens,” “Sherbrook,” “Mariners Cove,” “Thymewood,” “Rivers End,” “Meadowood,” “Bridgepoint,” “Stonehenge” and “Northwood,” collectively representing 21.5% of the initial mortgage pool balance, the sponsor of each related borrower reported at least one prior discounted payoff, default, bankruptcy, forbearance, foreclosure or deed-in-lieu of foreclosure with respect to the other properties of such sponsor.

We cannot assure you that these circumstances will not have an adverse impact on the liquidity of the related borrowers or the related sponsors. Therefore, we cannot assure you that these circumstances will not adversely impact the borrowers’ or the sponsors’ ability to maintain the related mortgaged real properties or pay amounts owed on the related underlying mortgage loans.

***Fraudulent Transfer and Enforceability Considerations.*** Each borrower with respect to an underlying mortgage loan in a Crossed Loan Group has executed a mortgage encumbering its interest in the related mortgaged real property that secures repayment of the related underlying mortgage loan as well as, pursuant to the related cross-collateralization agreement, each other underlying mortgage loan in such Crossed Loan Group. Cross-collateralization and cross-default arrangements could be unenforceable in bankruptcy or be challenged as a fraudulent transfer or conveyance by creditors of that borrower in an action outside a bankruptcy case or by the representative of a borrower or operating lessee’s bankruptcy estate or certain other parties in interest in a bankruptcy case. Cross-default provisions could be unenforceable in bankruptcy if the obligations are deemed to be insufficiently interrelated or if there is a lack of adequate consideration for paying another borrower’s obligations. Generally, under federal and most state fraudulent conveyance statutes, the transfer of property or an interest in property or the incurrence of an obligation by a person or entity will be subject to avoidance under certain circumstances if such person or entity (a) transferred such property or incurred such obligation with the actual intent to hinder, delay or defraud its creditors or (b) did not receive fair consideration or reasonably equivalent value in exchange for such obligation or transfer and (i) was insolvent or was rendered insolvent by such obligation or transfer, (ii) was engaged in business or a transaction, or was about to engage in business or a transaction, for which any property remaining with such person or entity constituted unreasonably small capital, or (iii) intended to, or believed that it would, incur debts that would be beyond such person’s or entity’s ability to pay as such debts matured. The measure of insolvency will vary depending on the law of the applicable jurisdiction. However, an entity will generally be considered insolvent if the present fair salable value of its assets is less than (x) the sum of its debts and (y) the amount that would be required to pay its probable liabilities on its existing debts as they become absolute and matured.

Accordingly, a lien granted by a borrower to secure the repayment of an underlying mortgage loan in excess of its allocated share could be avoided if a court were to determine that (i) such borrower was insolvent at the time of granting the lien, was rendered insolvent by the granting of the lien, or was left with inadequate capital, or was not able to pay its debts as they matured and (ii) the borrower did not, when it allowed the related mortgaged real property to be encumbered by a lien securing the entire indebtedness represented by the underlying mortgage loan, receive fair consideration or reasonably equivalent value for pledging such mortgaged real property for the equal benefit of each other borrower.

Although the borrower with respect to each underlying mortgage loan in each Crossed Loan Group has agreed to provide for appropriate allocation of contribution liabilities and other obligations as among the related borrowers, we cannot assure you that a fraudulent transfer challenge would not be made or, if made, that it would not be successful.

Among other things, a legal challenge to the granting of a lien and/or the incurrence of an obligation by a borrower with respect to an underlying mortgage loan in a Crossed Loan Group may focus on the benefits realized by such borrower from the underlying mortgage loan proceeds, as well as the overall cross-collateralization. If a court were to find or conclude that the granting of the liens or the incurrence of the obligations associated with an underlying mortgage loan was an avoidable fraudulent transfer or conveyance with respect to a particular borrower, that court could subordinate all or part of the underlying mortgage loan to existing or future indebtedness of such

borrower or operating lessee, recover the payments made under the underlying mortgage loan by such borrower, or take other actions detrimental to the certificateholders, including under certain circumstances, invalidating the underlying mortgage loan or the mortgages securing the underlying mortgage loan.

We cannot assure you that these circumstances will not have an adverse impact on the liquidity of the related borrowers or the related sponsors. Therefore, we cannot assure you that these circumstances will not adversely impact the borrowers' or the sponsors' ability to maintain the related mortgaged real properties or pay amounts owed on the related underlying mortgage loans.

***The Performance of an Underlying Mortgage Loan Depends on the Property Management's Ability to Successfully Operate the Related Mortgaged Real Property.*** The successful operation of a multifamily rental property depends in part on the performance and viability of the property manager. The property manager is generally responsible for:

- operating the property and providing building services;
- establishing and implementing the rental structure;
- managing operating expenses;
- responding to changes in the local market; and
- advising the borrower with respect to maintenance and capital improvements.

Properties deriving revenues primarily from short-term leases, such as the leases at multifamily properties, generally are more management intensive than properties leased to creditworthy tenants under long-term leases.

A good property manager, by controlling costs, providing necessary services to tenants and overseeing and performing maintenance or improvements on the property, can improve cash flow, reduce vacancies, reduce leasing and repair costs and preserve building value. On the other hand, management errors can impair short-term cash flow and the long-term viability of an income-producing property.

We do not make any representation or warranty as to the skills of any present or future property managers with respect to the mortgaged real properties. Furthermore, we cannot assure you that any property managers will be in a financial condition to fulfill their management responsibilities throughout the terms of their respective management agreements. In addition, certain of the mortgaged real properties are managed by affiliates of the applicable borrower. If a borrower is in default on its underlying mortgage loan or the loan is being special serviced, this could disrupt the management of the mortgaged real property and may adversely affect cash flow.

***The Performance of a Mortgaged Real Property and the Related Underlying Mortgage Loan Depends on Who Controls the Borrower and the Mortgaged Real Property.*** The operation and performance of an underlying mortgage loan will depend in part on the identity of the persons or entities that control the related borrower and the related mortgaged real property. For example, the borrower sponsor will have the ability to hire and fire the property manager, and can choose whether or not to invest in the upkeep or expansion of the mortgaged real property. In addition, the performance of the underlying mortgage loan may be adversely affected if control of the borrower changes, which may occur, for example, by means of transfers of direct or indirect ownership interests in such borrower. See "Description of the Underlying Mortgage Loans—Certain Terms and Conditions of the Underlying Mortgage Loans—Due-on-Sale and Due-on-Encumbrance Provisions" in this information circular.

***Losses on Larger Underlying Mortgage Loans May Adversely Affect Distributions on the Certificates.*** An investor should consider the risk that under-performance of the largest underlying mortgage loans will adversely affect their investment. Certain of the underlying mortgage loans have Cut-off Date Principal Balances that are substantially higher than the average Cut-off Date Principal Balance. In general, if the large underlying mortgage loans do not perform well, these concentrations can result in losses that are more severe than would be the case if the total principal balance of the underlying mortgage loans backing the offered certificates were more evenly distributed. See Exhibits A-1, A-2 and A-3 for information relating to significant underlying mortgage loans including the ten largest underlying mortgage loans or groups of cross-collateralized underlying mortgage loans.

***Enforceability of Cross-Collateralization Provisions May Be Challenged and the Benefits of Cross-Collateralization and Cross-Default Provisions May Otherwise Be Limited.*** The underlying mortgage loans in each Crossed Loan Group, collectively representing 4.6%, 3.7% and 2.6%, respectively, of the initial mortgage pool balance, are cross-collateralized and cross-defaulted with each other underlying mortgage loan in such group. These arrangements attempt to reduce the risk that one mortgaged real property may not generate enough net operating income to pay debt service and to reduce realized losses in the event of liquidation. However, cross-collateralization arrangements involving more than one borrower could be challenged as a fraudulent conveyance and avoided if a court were to determine that:

- such borrower was insolvent at the time of granting the lien, was rendered insolvent by the granting of the lien, was left with unreasonably small capital, or was not able to pay its debts as they matured; and
- the borrower did not, when it allowed its mortgaged real property to be encumbered by a lien securing the entire indebtedness represented by the other underlying mortgage loans, receive fair consideration or reasonably equivalent value for pledging such mortgaged real property for the equal benefit of the other borrower.

If the lien is avoided, the lender would lose the benefits afforded by such lien.

Subject to the definition of Servicing Transfer Event, a default under any of the underlying mortgage loans included in a Crossed Loan Group may lead to a default and a subsequent Servicing Transfer Event with respect to the other underlying mortgage loans included in such Crossed Loan Group, which could lead to special servicing fees and additional costs with respect to underlying mortgage loans which are not otherwise in default but for the cross-default provisions of the related loan documents. However, pursuant to the terms of the Pooling and Servicing Agreement, the occurrence of a Servicing Transfer Event with respect to any underlying mortgage loan will not in and of itself constitute a Servicing Transfer Event with respect to any other underlying mortgage loan that is in the related Crossed Loan Group unless (i) the master servicer or the special servicer (in the case of the special servicer, with the approval of the Approved Directing Certificateholder (if any), subject to the last two paragraphs of “The Pooling and Servicing Agreement—Realization Upon Mortgage Loans—Asset Status Report” in this information circular with respect to any Affiliated Borrower Loan) determines, in accordance with the Servicing Standard, that it is in the best interest of the certificateholders as a collective whole to effect a Servicing Transfer Event with respect to one or more such underlying mortgage loans that are in such Crossed Loan Group and (ii) Freddie Mac approves such Servicing Transfer Event with respect to one or more such underlying mortgage loans that are in such Crossed Loan Group.

See “Description of the Underlying Mortgage Loans—Cross-Collateralized Underlying Mortgage Loans and Underlying Mortgage Loans Made to the Same Borrower or Borrowers Under Common Ownership” and “Description of the Underlying Mortgage Loans—Certain Terms and Conditions of the Underlying Mortgage Loans—Release of Property Through Prepayment” in this information circular.

***Underlying Mortgage Loans to the Same Borrower or Borrowers Under Common Ownership May Result in More Severe Losses on the Offered Certificates.*** Certain groups of the underlying mortgage loans were made to the same borrower or to borrowers under common ownership, including the underlying mortgage loans that comprise each Crossed Loan Group. See “Description of the Underlying Mortgage Loans—Cross-Collateralized Underlying Mortgage Loans and Underlying Mortgage Loans Made to the Same Borrower or Borrowers Under Common Ownership” in this information circular. Other than with respect to the underlying mortgage loans in a Crossed Loan Group and the Non-Serviced Loan, none of the underlying mortgage loans is cross-collateralized or cross-defaulted with any other underlying mortgage loan or any mortgage loan that is not in the issuing entity. Cross-collateralized underlying mortgage loans and underlying mortgage loans made to the same borrower or borrowers under common ownership pose additional risks. Among other things:

- financial difficulty at one mortgaged real property could cause the owner to defer maintenance at another mortgaged real property in order to satisfy current expenses with respect to the troubled mortgaged real property; and
- the owner could attempt to avert foreclosure on one mortgaged real property by filing a bankruptcy petition that might have the effect of interrupting monthly payments for an indefinite period on all of the related underlying mortgage loans.

In addition, multiple real properties owned by the same borrower or borrowers under common ownership are likely to have common management. This would increase the risk that financial or other difficulties experienced by the property manager could have a greater impact on the owner of the underlying mortgage loans.

See “Description of the Underlying Mortgage Loans—Cross-Collateralized Underlying Mortgage Loans and Underlying Mortgage Loans Made to the Same Borrower or Borrowers Under Common Ownership” in this information circular.

***A Borrower’s Other Loans May Reduce the Cash Flow Available to Operate and Maintain the Related Mortgaged Real Property or May Interfere with the Issuing Entity’s Rights In a Bankruptcy or Foreclosure, Thereby Adversely Affecting Distributions on the Offered Certificates.*** Any of the mortgaged real properties may be encumbered in the future by other subordinate debt. In addition, subject, in some cases, to certain limitations relating to maximum amounts, the borrowers generally may incur trade and operational debt or other unsecured debt and enter into equipment and other personal property and fixture financing and leasing arrangements in connection with the ordinary operation and maintenance of the related mortgaged real property. Furthermore, in the case of any underlying mortgage loan that requires or allows letters of credit to be posted by the related borrower as additional security for the underlying mortgage loan, in lieu of reserves or otherwise, such borrower may be obligated to pay fees and expenses associated with the letter of credit and/or to reimburse the letter of credit issuer in the event of a draw on the letter of credit by the lender.

The existence of other debt is a risk that could:

- adversely affect the financial viability of a borrower by reducing the cash flow available to the borrower to operate and maintain the mortgaged real property or make debt service payments on the underlying mortgage loan or loans that are cross-collateralized or cross-defaulted with the underlying mortgage loan;
- adversely affect the security interest of the lender in the equipment or other assets acquired through its financings;
- complicate workouts or bankruptcy proceedings; and
- delay foreclosure on the mortgaged real property.

In addition, with respect to the Non-Serviced Loan, the related mortgaged real property also secures the Non-Serviced Companion Loan. The Non-Serviced Companion Loan has a principal balance as of the Cut-off Date of \$102,205,000. The Non-Serviced Companion Loan is *pari passu* in right of payment with the Non-Serviced Loan. Although the Non-Serviced Companion Loan is not an asset of the issuing entity, the related borrower is still obligated to make debt service payments on the Non-Serviced Companion Loan.

See “Description of the Underlying Mortgage Loans—The Non-Serviced Whole Loan” in this information circular. We cannot assure you that these circumstances will not adversely impact operations at or the value of the related mortgaged real properties.

***Changes in Mortgage Pool Composition Over Time Can Change the Nature of Your Investment.*** The underlying mortgage loans will amortize at different rates and mature on different dates. In addition, some of those mortgage loans may be prepaid or liquidated. As a result, the relative composition of the mortgage pool will change over time.

If you purchase certificates with a pass-through rate that is equal to or calculated based on a weighted average of interest rates on the underlying mortgage loans, your pass-through rate will be affected, and may decline, as the relative composition of the mortgage pool changes.

In addition, the composition of the mortgage pool may change if the mortgage loan seller repurchases or substitutes for an underlying mortgage loan due to a defect in any mortgage file or a breach of any of its representations and warranties that materially and adversely affects the value of any underlying mortgage loan (including any foreclosure property acquired in respect of any foreclosed mortgage loan) or any interests of the holders of any class of certificates. Further, as payments and other collections of principal are received with respect to the underlying mortgage loans, the remaining mortgage pool may exhibit an increased concentration with respect to number and affiliation of borrowers and geographic location.

See “Description of the Underlying Mortgage Loans—Cures, Repurchases and Substitutions” and “Yield and Maturity Considerations—Yield Considerations—Rate and Timing of Principal Payments” in this information circular.

***Geographic Concentration of the Mortgaged Real Properties May Adversely Affect Distributions on the Offered Certificates.*** The concentration of mortgaged real properties in a specific state or region will make the performance of the mortgage pool, as a whole, more sensitive to the following factors in the state or region where the borrowers and the mortgaged real properties are concentrated:

- economic conditions, including real estate market conditions;
- changes in governmental rules and fiscal policies;
- regional factors such as earthquakes, floods, droughts, tornadoes, fires, hurricanes, pandemics or riots;
- acts of God, which may result in uninsured losses;
- other factors that are beyond the control of the borrowers; and
- relief that may be offered to borrowers, such as deferral of payments or permanent modification of a mortgage loan related to any of the foregoing.

As a consequence, the performance of the certificates may be sensitive to such factors.

See “Description of the Underlying Mortgage Loans—Certain Legal Aspects of the Underlying Mortgage Loans” in this information circular for a discussion of certain legal aspects related to states in which mortgaged real properties that secure underlying mortgage loans collectively representing 10.0% or more of the initial mortgage pool balance are located, and see Exhibit A-2 for additional information relating to the geographic concentration of the mortgaged real properties.

***Existing or Future Subordinate Financing Increases the Likelihood That a Borrower Will Default on an Underlying Mortgage Loan.*** None of the mortgaged real properties is currently encumbered with a subordinate lien, except for limited permitted encumbrances (which limited permitted encumbrances do not secure subordinate mortgage loans). See “Description of the Underlying Mortgage Loans—Certain Terms and Conditions of the Underlying Mortgage Loans—Permitted Additional Debt” in this information circular.

Other than with respect to future subordinate debt meeting specified criteria, as described under “Description of the Underlying Mortgage Loans—Certain Terms and Conditions of the Underlying Mortgage Loans—Permitted Additional Debt” in this information circular, the underlying mortgage loans require the consent of the holder of the underlying mortgage loan prior to so encumbering the related mortgaged real property. However, a violation of this prohibition may not become evident until the affected underlying mortgage loan otherwise defaults, and a lender, such as the issuing entity, may not realistically be able to prevent a borrower from incurring subordinate debt.

The existence of any secured subordinated indebtedness (including permitted supplemental mortgages described under “Description of the Underlying Mortgage Loans—Certain Terms and Conditions of the Underlying Mortgage Loans—Permitted Additional Debt” in this information circular) or unsecured indebtedness increases the difficulty of making debt service payments or refinancing an underlying mortgage loan at its maturity. In addition, the related borrower may have difficulty repaying multiple loans. Moreover, the filing of a petition in bankruptcy by, or on behalf of, a junior lienholder may stay the senior lienholder from taking action to foreclose out the junior lien.

Additionally, the CARES Act and the Consolidated Appropriations Act, 2021 established multiple economic stabilization and assistance programs to provide emergency relief to eligible applicants, which may include paycheck protection, loan forgiveness, emergency rental assistance or other forms of relief. Because of the assistance programs currently available or that may become available in the future, borrowers with respect to the underlying mortgage loans may apply for and be granted such emergency relief which may include the incurrence of additional debt, subject in some cases to the approval of Freddie Mac or other parties acting at their sole discretion. Additional debt incurred by a borrower in connection with one or more relief programs may be secured by a lien on the related mortgaged real property. We cannot assure you that these assistance programs will not adversely impact operations at or cash flow from the mortgaged real property or that the borrowers will comply with the terms of any relief arrangements.

***The Type of Borrower May Pose a Risk in Bankruptcy or Litigation Involving Defaulted Loans.*** Mortgage loans made to partnerships, corporations or other entities may entail risks of loss from delinquency and foreclosure that are greater than those of mortgage loans made to individuals. The borrower's sophistication and form of organization may increase the likelihood of protracted litigation or bankruptcy in default situations.

***Risks Related to Partnership Borrowers.*** A number of the borrowers are partnerships. The bankruptcy of the general partner in a partnership may result in the dissolution of the partnership. The dissolution of a borrower that is a partnership, the winding up of its affairs and the distribution of its assets could result in an acceleration of its payment obligations under the related underlying mortgage loan.

***Risks Related to Single Purpose Entity Borrowers.*** With respect to all of the underlying mortgage loans, the related borrowers' organizational documents or the terms of the underlying mortgage loans limit the borrowers' activities to the ownership of only the related mortgaged real properties and, subject to exceptions, including relating to future subordinate debt secured by the mortgaged real properties, generally limit the borrowers' ability to incur additional future indebtedness other than trade payables and equipment financing relating to the mortgaged real properties in the ordinary course of business. These provisions are designed to mitigate the possibility that the borrowers' financial condition would be adversely impacted by factors unrelated to the mortgaged real property and the underlying mortgage loan. However, we cannot assure you that the borrowers will comply with these requirements.

Also, although a borrower may currently be structured as a single-purpose entity, such borrower may have previously owned property other than the mortgaged real property and/or may not have observed all covenants and conditions which typically are required to view a borrower as a "single purpose entity" under standard NRSRO criteria. We cannot assure you that circumstances arising from a borrower's failure to observe the required covenants will not impact the borrower or the mortgaged real property. In addition, borrowers that are not single-purpose entities structured to limit the possibility of becoming insolvent or bankrupt may be more likely to become insolvent or subject to a voluntary or involuntary bankruptcy proceeding because the borrowers may be operating entities with a business distinct from the operation of the mortgaged real property with the associated liabilities and risks of operating an ongoing business or individuals that have personal liabilities unrelated to the mortgaged real property. However, any borrower, even a single-purpose entity structured to be bankruptcy-remote, as an owner of real estate, will be subject to certain potential liabilities and risks. We cannot assure you that any borrower will not file for bankruptcy protection or that creditors of a borrower or a corporation or individual general partner or managing member of a borrower will not initiate a bankruptcy or similar proceeding against the borrower or corporate or individual general partner or managing member.

***Lack of Independent Directors May Increase the Risk of Borrower Bankruptcy.*** None of the borrowers or their owners has an independent director whose consent would be required to file a voluntary bankruptcy petition on behalf of such borrower. One of the purposes of an independent director of the borrower (or of a single purpose entity having an interest in the borrower) is to avoid a bankruptcy petition filing which is intended solely to benefit an affiliate and is not justified by the borrower's own economic circumstances. Borrowers (and any single purpose entity having an interest in any such borrowers) that do not have an independent director may be more likely to file a voluntary bankruptcy petition and therefore less likely to repay the related underlying mortgage loan. Even in the case of borrowers with independent directors, we cannot assure you that a borrower will not file for bankruptcy protection, that creditors of a borrower will not initiate a bankruptcy or similar proceeding against such borrower, or that, if initiated, a bankruptcy case of the borrower could be dismissed.

***Debtor-In-Possession Financing May Reduce the Likelihood of Recovery in a Borrower Bankruptcy.*** Pursuant to Section 364 of the Bankruptcy Code, a bankruptcy court may, under certain circumstances, authorize a debtor to obtain credit after the commencement of a bankruptcy case, secured among other things, by senior, equal or junior liens on property that is already subject to a lien. In the bankruptcy case of General Growth Properties, the debtors initially sought approval of a debtor-in-possession loan to the corporate parent entities guaranteed by the property-level single purpose entities and secured by second liens on their properties. Although the debtor-in-possession loan approved by the bankruptcy court was modified to eliminate subsidiary guarantees and second liens, we cannot assure you that, in the event of a bankruptcy of a sponsor of a borrower, the sponsor of such borrower would not seek approval of a similar debtor-in-possession loan, or that a bankruptcy court would not approve a debtor-in-possession loan that included such subsidiary guarantees and second liens on such subsidiaries' properties.

***Consolidation of Borrower Assets with Those of a Borrower Sponsor in Bankruptcy May Prevent Funds from Being Available for Distribution on the Certificates.*** With respect to cross-collateralized underlying mortgage loans and any underlying mortgage loans made to the same borrower or borrowers under common ownership, creditors of a common parent in bankruptcy may seek to consolidate the assets of those borrowers with those of the parent. Consolidation of the assets of the borrowers would likely have an adverse effect on the funds available to make distributions on the certificates. The bankruptcy of a borrower, or the general partner or the managing member of a borrower, may impair the issuing entity's ability to enforce its rights and remedies under the related mortgage.

***Crowd Funding Ownership Structures May Not Be as Skilled at Managing a Property, and May Present a Risk of Litigation or Complications in a Borrower Bankruptcy.*** Certain of the underlying mortgage loans may have borrowers that are wholly or partially (directly or indirectly) owned by one or more crowd funding investor groups or other diversified ownership structures. Investments in commercial real estate through crowd funding investor groups are a relatively recent development. There may be certain unanticipated risks to this new ownership structure that may adversely affect such underlying mortgage loans. Typically, such crowd funding investor groups are made up of a large number of individual investors who invest relatively small amounts in the group pursuant to a securities offering, typically via the internet. With respect to equity investments in a borrower, the crowd funding investor group in turn purchases a stake in the borrower. Accordingly, equity in the borrower is indirectly held by the individual investors in the crowd funding investor group. We cannot assure you that either the crowd funding investor group or the individual investors in the crowd funding investor group or other diversified ownership structure have relevant expertise in the management of commercial real estate or in the commercial real estate market in general. Additionally, crowd funding investor groups are required to comply with various securities regulations. We cannot assure you that any enforcement action or legal proceeding regarding failure to comply with such securities regulations would not delay realization upon the related underlying mortgage loan or otherwise impair a borrower's ability to operate a mortgaged real property. Furthermore, we cannot assure you that a bankruptcy proceeding by a crowd funding investor group or other diversified ownership structure will not delay enforcement of an underlying mortgage loan. We cannot assure you that these circumstances will not adversely impact operations at or the value of such mortgaged real property.

***Non-Recourse Carveout Guarantees May Not Be Available or Enforceable, Which Increases the Risk of Loss Due to Fraud, Waste or Other Bad Acts by a Borrower.*** With respect to some of the underlying mortgage loans, the related nonrecourse carveout provisions of the related loan documents may be guaranteed, in whole or in part, by non-U.S. individuals or entities, which may decrease the likelihood of recovery under such guarantee. In addition, some of the underlying mortgage loans may be guaranteed, in whole or in part, by the sponsors of the respective borrowers or other parties that are funds or other entities, the terms of which may be subject to expiration or other structural contingencies. In such cases, such loan documents may require such entities to extend their terms or to otherwise take action or provide additional security to the lender regarding the continued existence of such entities during the terms of such underlying mortgage loans.

***Tenants-in-Common Structures Present Risks Regarding Partition Actions, Prepayments and Delays in a Borrower Bankruptcy Proceeding.*** With respect to the mortgaged real properties identified on Exhibit A-1 as "Encore 281," "Azul Apartment Homes," "Summitwoods Apartments," "Country Meadows Apartments" and "Park Square Townhouses," securing underlying mortgage loans collectively representing 7.2% of the initial mortgage pool balance, the related borrowers own such mortgaged real properties as tenants-in-common.

Generally, in tenant-in-common ownership structures, each tenant-in-common owns an undivided share in the applicable real property. If a tenant-in-common desires to sell its interest in the real property and is unable to find a buyer or otherwise desires to force a partition, the tenant-in-common has the ability to request that a court order a sale of the real property and distribute the proceeds to each tenant-in-common owner proportionally. To reduce the likelihood of a partition action, each tenant-in-common borrower under the underlying mortgage loan referred to above has waived its partition right. However, we cannot assure you that, if challenged, this waiver would be enforceable or that it would be enforced in a bankruptcy proceeding.

The enforcement of remedies against tenant-in-common borrowers may be prolonged because each time a tenant-in-common borrower files for bankruptcy, the bankruptcy court stay is reinstated. While a lender may seek to mitigate this risk after the commencement of the first bankruptcy of a tenant-in-common by commencing an involuntary proceeding against the other tenant-in-common borrowers and moving to consolidate all those cases, we cannot assure you that a bankruptcy court would consolidate those separate cases.

The bankruptcy, dissolution or action for partition by one or more of the tenants-in-common could result in an early repayment of the related underlying mortgage loan, a significant delay in recovery against the tenant-in-common borrowers, a material impairment in property management and a substantial decrease in the amount recoverable on the underlying mortgage loan.

***Certain of the Underlying Mortgage Loans May Have Land Trust Borrowers, Which May Complicate Borrower Bankruptcy Proceedings and, Therefore, Delay or Reduce Recovery.*** With respect to certain of the underlying mortgage loans, the related borrower may be the beneficiary of a land trust. If the mortgaged real property is in a land trust, legal title to the mortgaged real property will typically be held by a land trustee under a land trust agreement for the benefit of the borrower as beneficiary. At origination of a mortgage loan involving a land trust, the trustee typically mortgages the property to secure the beneficiary's obligation to make payments on the mortgage note. The lender's authority under a mortgage, the trustee's authority under a deed of trust and the grantee's authority under a deed to secure debt are governed by the express provisions of such mortgage or deed, the law of the state in which the mortgaged real property is located and certain federal laws. In addition, certain decisions regarding title to or encumbering the mortgaged real property may require the consent of the holders of the beneficial interests in the land trust and, in such event, there is a risk that obtaining such consent will be time consuming and cause delays in the event certain actions need to be taken by or on behalf of the borrower or with respect to the mortgaged real property. At least one state bankruptcy court has held that the doctrine of merger applied to extinguish a land trust where the land trustee was the holder of 100% of the beneficiary ownership interest in the land trust. Whether a land trust can be a debtor eligible for relief under the Bankruptcy Code depends on whether the land trust constitutes a business trust under the Bankruptcy Code. That determination is dependent on the business activity that the land trust conducts. We cannot assure you that, given the business activities that the land trustee has been authorized to undertake, a bankruptcy court would find that the land trust is ineligible for relief as a debtor under the Bankruptcy Code or that there will not be delays with respect to any actions needed to be taken at the mortgaged real property.

***Some of the Underlying Mortgage Loans are Seasoned Loans, and Therefore There is a Risk that the Condition of the Properties May Have Declined Since Origination.*** 1 of the underlying mortgage loans, representing 10.9% of the initial mortgage pool balance, is not newly-originated. The underlying mortgage loan secured by the mortgage real property identified on Exhibit A-1 as "The Rheingold A-2" was originated on August 16, 2019.

Environmental assessments and property condition assessments with respect to such underlying mortgage loan was generally performed in connection with the origination of the underlying mortgage loan, but neither we nor the mortgage loan seller obtained updated environmental assessments in connection with this securitization. Appraisals and property condition assessments were generally obtained in connection with the origination of the underlying mortgage loan, but were generally not updated in connection with this securitization. For example, with respect to 1 of the mortgaged real properties, securing an underlying mortgage loan representing 10.9% of the initial mortgage pool balance, a property condition assessment was conducted at such mortgaged real property prior to the last 12 months preceding the Closing Date.

We cannot assure you that the information in such environmental assessment obtained in connection with the origination of the underlying mortgage loan or the appraisals and property condition assessments obtained in connection with the origination of the underlying mortgage loan reflects the current condition of, or a reliable estimate of the current condition of, the mortgaged real property. In addition, some of the required repairs or replacements may be in progress as of the date of this information circular, and we cannot assure you that the related borrower will complete any such required repairs or replacements in a timely manner or in accordance with the requirements set forth in the loan documents.

***Certain of the Underlying Mortgage Loans Lack Customary Provisions Designed to Protect the Lender.*** A number of the underlying mortgage loans lack one or more features that are customary in mortgage loans intended for securitization. Among other things, the borrowers with respect to those underlying mortgage loans may not be required to have an independent director or to make payments to lockboxes or to maintain reserves for certain expenses, such as taxes, insurance premiums, capital expenditures, tenant improvements and leasing commissions or the requirements to make such payments may be suspended if the related borrower complies with the terms of the related loan documents, or the lenders under such underlying mortgage loans may not have the right to terminate the related property manager upon the occurrence of certain events or require lender approval of a replacement property

manager. In addition, although mortgage loans intended to be securitized often have a guarantor with respect to certain bad acts such as fraud, guarantors may not be required with respect to certain of the underlying mortgage loans.

***Some Remedies May Not Be Available Following a Mortgage Loan Default.*** The underlying mortgage loans contain, subject to certain exceptions, “due-on-sale” and “due-on-encumbrance” clauses. These clauses permit the holder of an underlying mortgage loan to accelerate the maturity of the underlying mortgage loan if the related borrower sells or otherwise transfers or encumbers the related mortgaged real property or its interest in the mortgaged real property in violation of the terms of the mortgage. All of the underlying mortgage loans also include a debt-acceleration clause that permits the lender to accelerate the debt upon specified monetary or non-monetary defaults of the borrower.

Although the courts of all states will enforce clauses providing for acceleration in the event of a material payment default, the equity courts of a state may refuse the foreclosure or other sale of a mortgaged real property or refuse to permit the acceleration of the indebtedness as a result of a default deemed to be immaterial or if the exercise of these remedies would be inequitable or unjust.

The related borrower generally may collect rents for so long as there is no default. As a result, the issuing entity’s rights to these rents will be limited because:

- the issuing entity may not have a perfected security interest in the rent payments until the master servicer, special servicer or sub-servicer collects them;
- the master servicer, special servicer or sub-servicer may not be entitled to collect the rent payments without court action; and
- the bankruptcy of the related borrower could limit the ability of the master servicer, special servicer or sub-servicer to collect the rents.

***Sponsor Defaults on Other Mortgage Loans May Adversely Impact and Impair Recovery on an Underlying Mortgage Loan.*** Principals of the borrowers under certain of the underlying mortgage loans and/or their affiliates may default on other mortgage loans or, in some cases, may have defaulted on prior mortgage loans that had been secured by the same real properties that currently secure the underlying mortgage loans that are assets of the issuing entity. For example, with respect to the underlying mortgage loans secured by the mortgaged real properties identified on Exhibit A-1 as “Town Southern,” “Astorwood,” “Apple Ridge,” “Ridgewood Court,” “Palm Place,” “Summit Center,” “Pine Barrens,” “Sherbrook,” “Mariners Cove,” “Thymewood,” “Rivers End,” “Meadowood,” “Bridgepoint,” “Stonehenge” and “Northwood,” collectively representing 21.5% of the initial mortgage pool balance, the sponsor of each related borrower reported at least one prior discounted payoff, default, bankruptcy, forbearance, foreclosure or deed-in-lieu of foreclosure with respect to the other properties of such sponsor. We cannot assure you that these circumstances will not have an adverse effect on the liquidity of the sponsors or the borrowers or that such circumstances will not adversely affect the sponsors’ or the borrowers’ ability to maintain each related mortgaged real property, to pay amounts owed on each related underlying mortgage loan or to refinance each related underlying mortgage loan.

***Lending on Income-Producing Real Properties Entails Environmental Conditions that May Be Expensive for Borrowers to Clean Up, and that May Result in Lender Liability Affecting the Issuing Entity.*** Under various federal and state laws, a current or previous owner or operator of real property may be liable for the costs of cleanup of environmental contamination on, under, at or emanating from, the property. These laws often impose liability whether or not the owner or operator knew of, or was responsible for, the presence of the contamination. The costs of any required cleanup and the owner’s liability for these costs are generally not limited under these laws and could exceed the value of the property and/or the total assets of the owner. Contamination of a property may give rise to a lien on the property to assure the costs of cleanup. An environmental lien may have priority over the lien of an existing mortgage. In addition, the presence of hazardous or toxic substances, or the failure to properly clean up contamination on the property, may adversely affect the owner’s or operator’s future ability to refinance the property.

Certain environmental laws impose liability for releases of asbestos into the air, and govern the responsibility for the removal, encapsulation or disturbance of asbestos-containing materials when the asbestos-containing materials are in poor condition or when a property with asbestos-containing materials undergoes renovation or

demolition. Certain laws impose liability for lead-based paint, lead in drinking water, elevated radon gas inside buildings and releases of polychlorinated biphenyl compounds. Third parties may also seek recovery from owners or operators of real property for personal injury or property damage associated with exposure to asbestos, lead, radon, polychlorinated biphenyl compounds and any other contaminants.

Pursuant to the federal Comprehensive Environmental Response, Compensation, and Liability Act of 1980, as amended, (“CERCLA”) as well as some other federal and state laws, a secured lender, such as the issuing entity, may be liable as an “owner” or “operator” of the real property, regardless of whether the borrower or a previous owner caused the environmental damage, if—

- prior to foreclosure, agents or employees of the lender participate in the management or operational affairs of the borrower; or
- after foreclosure, the lender fails to seek to divest itself of the facility at the earliest practicable commercially reasonable time on commercially reasonable terms, taking into account market conditions and legal and regulatory requirements.

Although the Asset Conservation, Lender Liability, and Deposit Insurance Protection Act of 1996 attempted to clarify the activities in which a lender may engage without becoming subject to liability under CERCLA or under the underground storage tank provisions of the federal Resource Conservation and Recovery Act, that legislation itself has not been clarified by the courts and has no applicability to other federal laws or to state environmental laws except as may be expressly incorporated. Moreover, future laws, ordinances or regulations could impose material environmental liability.

Property owners may be liable for injuries to their tenants resulting from exposure under various laws that impose affirmative obligations on property owners of residential housing containing lead-based paint.

See “Description of the Underlying Mortgage Loans—Underwriting Matters—Environmental Assessments” in this information circular for information relating to environmental site assessments (each, an “ESA”) prepared in connection with the origination of the underlying mortgage loans.

In addition, any environmental testing may not have covered all potential adverse conditions. For example, testing for lead-based paint, asbestos-containing materials, lead in water and radon was done only if the use, age, location and condition of the applicable property warranted that testing. In general, testing was done for lead based paint only in the case of a multifamily property built prior to 1978, for asbestos containing materials only in the case of a property built prior to 1981 and for radon gas only in the case of a multifamily property located in an area determined by the Environmental Protection Agency to have a high concentration of radon gas or within a state or local jurisdiction requiring radon gas testing.

We cannot assure you that—

- the environmental testing or assessments referred to above identified all material adverse environmental conditions and circumstances at the mortgaged real properties;
- the recommendation of the environmental consultant was, in the case of all identified problems, the appropriate action to take;
- any of the environmental escrows established or letters of credit obtained with respect to any of the underlying mortgage loans will be sufficient to cover the recommended remediation or other action; or
- any environmental conditions will not have a material adverse effect on the value of or cash flow from one or more of the mortgaged real properties.

***Appraisals and Market Studies May Inaccurately Reflect the Past, Current or Prospective Value of the Mortgaged Real Properties.*** In connection with the origination of each underlying mortgage loan, the related mortgaged real property was appraised by an independent appraiser. The appraisals reflect market conditions as of the date of the appraisal valuations and may not reflect past, current or prospective values of the related mortgaged real properties. The appraisal valuations provide “as-is” values as of the dates set forth on Exhibit A-1, except as described on Exhibit A-1 and/or the related footnotes as to any underlying mortgage loan with an “as-stabilized”

value, which value is estimated assuming satisfaction of projected re-tenanting or increased tenant occupancy conditions. Additionally, with respect to any appraisals setting forth stabilization assumptions as to prospective values, we cannot assure you that such assumptions are or will be accurate or that the prospective values upon stabilization will be attained. We have not confirmed the values of the respective mortgaged real properties in the appraisals.

Appraisals are not guarantees, and may not be fully indicative of past, present or future value because—

- they represent the analysis and opinion of the appraiser at the time the appraisal is conducted and the value of the mortgaged real property may have fluctuated since the appraisal was performed;
- we cannot assure you that another appraiser would not have arrived at a different valuation, even if the appraiser used the same general approach to, and the same method of, appraising the mortgaged real property;
- appraisals seek to establish the amount a typically motivated buyer would pay a typically motivated seller and therefore, could be significantly higher than the amount obtained from the sale of a mortgaged real property under a distress or liquidation sale; and
- appraisal valuations may be based on certain adjustments, assumptions and/or estimates, as further described under “Description of the Underlying Mortgage Loans—Underwriting Matters—Appraisals and Market Studies” in this information circular.

***Property Managers and Borrowers May Each Experience Conflicts of Interest in Managing Multiple Properties, Which May Adversely Impact the Performance of the Mortgaged Real Properties.*** In the case of many of the underlying mortgage loans, the related property managers and borrowers may experience conflicts of interest in the management and/or ownership of the related mortgaged real properties because—

- a number of those mortgaged real properties are managed by property managers affiliated with the respective borrowers;
- the property managers also may manage additional properties, including properties that may compete with those mortgaged real properties; and
- affiliates of the property managers and/or the borrowers, or the property managers and/or the borrowers themselves, also may own other properties, including properties that may compete with those mortgaged real properties.

A property management conflict of interest may adversely impact the performance of a mortgaged real property, and ultimately, the performance of the related underlying mortgage loan.

***The Master Servicer, the Special Servicer and any Sub-Servicers May Experience Conflicts of Interest, Which May Adversely Affect Collections on the Underlying Mortgage Loans.*** In the ordinary course of their businesses the master servicer, the special servicer and any sub-servicers will service loans other than those included in the issuing entity. In addition, they may own other mortgage loans. These other loans may be similar to the underlying mortgage loans. The mortgaged real properties securing these other loans may—

- be in the same markets as mortgaged real properties securing the underlying mortgage loans;
- have owners and/or property managers in common with mortgaged real properties securing the underlying mortgage loans; and/or
- be sponsored by parties that also sponsor mortgaged real properties securing the underlying mortgage loans.

In these cases, the interests of the master servicer, the special servicer or a sub-servicer, as applicable, and its other clients may differ from and compete with the interests of the issuing entity and these activities may adversely affect the amount and timing of collections on the underlying mortgage loans, because they may be motivated to favor the other loans or properties ahead of the related underlying mortgage loan.

In addition, the master servicer, the special servicer and any sub-servicer, or one or more of their respective affiliates, may have originated some of the underlying mortgage loans. As a result, the master servicer, the special servicer or any sub-servicer may have interests with respect to such underlying mortgage loans, such as relationships with the borrowers or the sponsors of the borrowers, that differ from, and may conflict with, your interests.

The Pooling and Servicing Agreement provides that in certain circumstances the Approved Directing Certificateholder (if any) may, at its own expense, request that the Directing Certificateholder Servicing Consultant (which may be the special servicer) prepare and deliver a recommendation relating to a requested waiver of a “due-on-sale” or “due-on-encumbrance” clause or, with respect to non-Specially Serviced Mortgage Loans, a requested consent to certain major decisions affecting the underlying mortgage loans or the related mortgaged real properties (in either case, other than with respect to the Non-Serviced Loan). In making a recommendation in response to such a request, the Directing Certificateholder Servicing Consultant will not be subject to the Servicing Standard and will have no duty or liability to any certificateholder other than the Approved Directing Certificateholder. In addition, the Directing Certificateholder Servicing Consultant may have arranged to be compensated by the Approved Directing Certificateholder in connection with such matters as to which it is making a recommendation. Therefore, its interests may conflict with the interests of other certificateholders.

In addition, the Pooling and Servicing Agreement provides that the master servicer, the Directing Certificateholder Servicing Consultant and any sub-servicer may consult with Freddie Mac (in its capacity as servicing consultant) with respect to the application of Freddie Mac Servicing Practices to any matters related to non-Specially Serviced Mortgage Loans (other than the Non-Serviced Loan), but the Directing Certificateholder Servicing Consultant will not be bound by any such consultation. See “The Pooling and Servicing Agreement—Servicing Under the Pooling and Servicing Agreement” in this information circular. Any advice provided by Freddie Mac (in its capacity as servicing consultant) in connection with any such consultation may conflict with the interests of one or more classes of certificateholders.

In addition, the Non-Serviced Companion Loan Directing Holder will be entitled to terminate the Non-Serviced Companion Loan Special Servicer with respect to the Non-Serviced Whole Loan and appoint a successor to the Non-Serviced Companion Loan Special Servicer with respect to the Non-Serviced Whole Loan that is different than the special servicer for the other underlying mortgage loans. Upon such appointment, such successor will be the special servicer for the Non-Serviced Whole Loan under the Non-Serviced Companion Loan PSA. Any such Non-Serviced Companion Loan Special Servicer may experience conflicts of interest that are similar to those described in this risk factor for the special servicer. See “The Pooling and Servicing Agreement—Resignation, Removal and Replacement of Servicers; Transfer of Servicing Duties—Removal of the Master Servicer, the Special Servicer and any Sub-Servicer” in this information circular.

In addition, the Non-Serviced Companion Loan Master Servicer, the Non-Serviced Companion Loan Special Servicer and any sub-servicer of the Non-Serviced Whole Loan may experience conflicts of interest that are similar to those described for the master servicer, the special servicer and any related sub-servicer.

***If the Master Servicer, any Sub-Servicer or the Special Servicer Purchases Certificates or SPCs, a Conflict of Interest Could Arise Between Their Duties Under the Pooling and Servicing Agreement and Their Interests in the Certificates or SPCs and May Influence the Special Servicer to Make Decisions that Favor the Subordinate Classes of Certificates.*** The master servicer, any sub-servicer and/or the special servicer or an affiliate of any of them may at any time purchase the class CS certificates or any class of SPCs. The ownership of any certificates or SPCs by the master servicer, any sub-servicer and/or the special servicer could cause a conflict between its duties under the Pooling and Servicing Agreement or the applicable Sub-Servicing Agreement and its interest as a holder of a certificate or an SPC, especially to the extent that certain actions or events have a disproportionate effect on one or more classes of certificates. For example, if the special servicer were to purchase a subordinate class of certificates, it might have an incentive to pursue a lengthy workout strategy over an immediate foreclosure that would result in a loss on the subordinate class of certificates.

In addition, the Non-Serviced Companion Loan Master Servicer, the Non-Serviced Companion Loan Special Servicer and any sub-servicer of the Non-Serviced Whole Loan may purchase the class CS certificates or any class of SPCs or certain classes of certificates issued pursuant to the Non-Serviced Companion Loan PSA and related structured pass-through certificates. This could cause such entities to experience conflicts of interest that are similar to those described in this risk factor for the master servicer, the special servicer and any related sub-servicer.

***Potential Conflicts of Interest in the Selection and Servicing of the Underlying Mortgage Loans May Have Resulted in a Pool Composition that is Not Optimal for All Certificateholders.*** The anticipated initial investor in the class CS certificates (the “B-Piece Buyer”) was given the opportunity by the mortgage loan seller and the depositor to perform due diligence on the mortgage loans originally identified by the mortgage loan seller for inclusion in the issuing entity, and to request the removal, re-sizing or change of other features of some or all of the underlying mortgage loans, or request the addition of other loans for inclusion in the issuing entity. The mortgage pool as originally proposed by the mortgage loan seller may have been adjusted based on some of these requests. The B-Piece Buyer was and is acting solely for its own benefit with regard to its due diligence and any adjustment of the underlying mortgage loans included in the issuing entity and has no obligation or liability to any other party. You are not entitled to, and should not, rely in any way on the B-Piece Buyer’s acceptance of any underlying mortgage loans. The inclusion of any underlying mortgage loan in the issuing entity is not an indication of the B-Piece Buyer’s analysis of that underlying mortgage loan nor can it be taken as any endorsement of the underlying mortgage loan by the B-Piece Buyer.

We cannot assure you that you or another investor would have made the same requests to modify the mortgage pool as the B-Piece Buyer or that the final mortgage pool as influenced by the B-Piece Buyer’s feedback will not adversely affect the performance of the certificates generally or benefit the performance of the B-Piece Buyer’s certificates. Because of the differing subordination levels and pass-through rates, and because only the offered certificates are guaranteed by Freddie Mac, the B-Piece Buyer’s interests may, in some circumstances, differ from those of purchasers of other classes of certificates, including the offered certificates, and the B-Piece Buyer may desire a portfolio composition that benefits the B-Piece Buyer but that does not benefit other investors. In addition, the B-Piece Buyer may enter into hedging or other transactions or otherwise have business objectives that could cause its interests with respect to the mortgage pool to diverge from those of other purchasers of the certificates.

In addition, a special servicer (whether the initial special servicer or a successor special servicer) may enter into one or more arrangements with the B-Piece Buyer, the directing certificateholder or any other person (or any affiliate or a third-party representative of any of them) to provide for a discount and/or revenue sharing with respect to certain of the special servicer’s compensation (other than the special servicing fee and special servicer surveillance fee) in consideration of, among other things, the appointment or continued employment of the special servicer under the Pooling and Servicing Agreement and the establishment of limitations on the right of such person to replace the special servicer.

Each of these relationships should be considered carefully by you before you invest in any certificates.

In addition, affiliates of the B-Piece Buyer are the borrowers with respect to the underlying mortgage loans secured by the mortgaged real properties identified on Exhibit A-1 as “Astorwood,” “Apple Ridge,” “Ridgewood Court,” “Palm Place,” “Summit Center,” “Pine Barrens,” “Sherbrook,” “Thymewood,” “Rivers End,” “Meadowood,” “Bridgepoint,” “Stonehenge,” “Northwood,” “Dogwood Glen,” “Amhurst,” “Elmtree Park,” “Lindendale,” “Mulberry,” “Parkville,” “Ridgewood - Indiana,” “Heathmoore - Indianapolis,” “Windrush,” “Willowood,” “Pine Meadows,” “Heronwood,” “Waterbury,” “Willow Run,” “Princeton Court,” “Charing Cross” and “Hartwick” collectively representing 14.9% of the initial mortgage pool balance. Upon the occurrence and during the continuance of any Affiliated Borrower Loan Event with respect to the B-Piece Buyer (if the B-Piece Buyer or an affiliate of the B-Piece Buyer is the directing certificateholder) and any underlying mortgage loan, any right of the B-Piece Buyer to (i) approve, consent or consult with respect to certain actions with respect to such underlying mortgage loan and, in the case of the Non-Serviced Loan, the Non-Serviced Companion Loan, (ii) exercise an option to purchase from the issuing entity such underlying mortgage loan (if it is a Defaulted Loan) and, if applicable, the underlying mortgage loan(s) in the related Crossed Loan Group and, in the case of the Non-Serviced Loan, purchase the Non-Serviced Companion Loan from the Non-Serviced Companion Loan Holder at a specified price and (iii) access certain information and reports regarding such underlying mortgage loan and, in the case of the Non-Serviced Loan, the Non-Serviced Companion Loan will be restricted as described in “The Pooling and Servicing Agreement—Realization Upon Mortgage Loans—Directing Certificateholder” and “—Asset Status Report” in this information circular.

Because the incentives and actions of the B-Piece Buyer may, in some circumstances, differ from or be adverse to those of purchasers of other classes of certificates, you are strongly encouraged to make your own investment decision based on a careful review of the information set forth in this information circular and your own view of the underlying mortgage loans.

***The Master Servicer and the Special Servicer Will Be Required to Service Certain Underlying Mortgage Loans in Accordance with Freddie Mac Servicing Practices, Which May Limit the Ability of the Master Servicer and the Special Servicer to Make Certain Servicing Decisions.*** The master servicer and the special servicer will be required to service the underlying mortgage loans (other than the Non-Serviced Loan) in accordance with (i) any and all applicable laws, (ii) the terms of the Pooling and Servicing Agreement, (iii) the terms of the respective underlying mortgage loans and any applicable intercreditor, co-lender or similar agreements and (iv) to the extent consistent with clauses (i), (ii) and (iii), the Servicing Standard, as further described in “The Pooling and Servicing Agreement—Servicing Under the Pooling and Servicing Agreement.” In the case of underlying mortgage loans (other than the Non-Serviced Loan) other than REO Loans, REO Properties and Specially Serviced Mortgage Loans, the Servicing Standard requires the master servicer to follow Freddie Mac Servicing Practices. Freddie Mac Servicing Practices require servicing and administering the underlying mortgage loans (other than the Non-Serviced Loan) and/or REO Properties in the same manner in which, and with the same care, skill, prudence and diligence with which, Freddie Mac services and administers multifamily mortgage loans owned by Freddie Mac. This includes servicing and administering in accordance with the Freddie Mac Multifamily Seller/Servicer Guide (or any successor to the Guide). The Guide comprises Freddie Mac’s servicing guidelines for its multifamily commercial mortgage loans and Freddie Mac may modify the Guide and any policies or procedures at any time. Freddie Mac Servicing Practices also include servicing and administering in accordance with any written Freddie Mac policies, procedures or other written communications made available by Freddie Mac to the master servicer, any sub-servicer or the Directing Certificateholder Servicing Consultant, as applicable, including written communications from Freddie Mac as servicing consultant pursuant to the Pooling and Servicing Agreement. The master servicer, the Directing Certificateholder Servicing Consultant and any sub-servicer are permitted to consult with Freddie Mac regarding the application of Freddie Mac Servicing Practices to any matters related to non-Specially Serviced Mortgage Loans (but not for the Non-Serviced Loan). The servicing consultant may contact the related borrower to request any necessary documentation from such borrower in order to provide consultation to the master servicer, any sub-servicer or the Directing Certificateholder Servicing Consultant with respect to the proper application of Freddie Mac Servicing Practices. We cannot assure you that the requirement to follow Freddie Mac Servicing Practices in certain circumstances, or consultations between the master servicer, the Directing Certificateholder Servicing Consultant or any sub-servicer and Freddie Mac regarding the application of Freddie Mac Servicing Practices will not limit the master servicer’s or any sub-servicer’s ability to make certain servicing decisions.

***Lack of Control Over Servicing of the Non-Serviced Whole Loan.*** Pursuant to the Co-Lender Agreement, the Non-Serviced Whole Loan will be serviced pursuant to the Non-Serviced Companion Loan PSA, not the Pooling and Servicing Agreement. The servicing provisions of the Non-Serviced Companion Loan PSA are substantially similar to the servicing provisions of the Pooling and Servicing Agreement. However, to the extent the directing certificateholder has the right to consent to any actions to be taken by the master servicer or the special servicer with respect to any underlying mortgage loan pursuant to the Pooling and Servicing Agreement, such consent rights with respect to the Non-Serviced Whole Loan will be exercised by the Non-Serviced Companion Loan Directing Holder pursuant to the Non-Serviced Companion Loan PSA, and the directing certificateholder will only have a non-binding right of consultation with the party taking such action. In addition, the Non-Serviced Companion Loan Directing Holder will have the right to replace the Non-Serviced Companion Loan Special Servicer, and the directing certificateholder will only have a non-binding right of consultation with respect to any such replacement. As a result, the directing certificateholder will have less control over servicing decisions made with respect to the Non-Serviced Loan than it has with respect to the other underlying mortgage loans. We cannot assure you that the servicing of the Non-Serviced Whole Loan pursuant to the Non-Serviced Companion Loan PSA will not adversely impact the servicing or administration of the Non-Serviced Loan.

In addition, any risks identified in “Risk Factors” in this information circular relating to the master servicer, the special servicer and any related sub-servicer, and to the servicing and administration of the underlying mortgage loans by such entities, will similarly apply to the Non-Serviced Companion Loan Master Servicer, the Non-Serviced Companion Loan Special Servicer and any sub-servicer of the Non-Serviced Whole Loan, and to the servicing and administration of the Non-Serviced Whole Loan by such entities.

***Some of the Mortgaged Real Properties Are Legal Nonconforming Uses or Legal Nonconforming Structures Due to Changes in Zoning Laws or Otherwise.*** Some of the underlying mortgage loans may be secured by a mortgaged real property that is a legal nonconforming use or a legal nonconforming structure. This may impair the related borrower’s ability to restore the improvements on a mortgaged real property to its current form or use following a major casualty.

Due to changes in applicable building and zoning ordinances and codes that may affect some of the mortgaged real properties, the mortgaged real properties may not comply fully with current zoning laws because of:

- density;
- use;
- parking;
- set-back requirements; or
- other building related conditions.

However, these changes may limit a borrower's ability to rebuild the premises "as-is" in the event of a substantial casualty loss, which in turn may adversely affect a borrower's ability to meet its mortgage loan obligations from cash flow. With some exceptions, the underlying mortgage loans secured by mortgaged real properties which no longer conform to current zoning ordinances and codes will require, or contain provisions under which the lender in its reasonable discretion may require, the borrower to maintain "ordinance and law" coverage which, subject to the terms and conditions of such coverage, will insure the increased cost of construction to comply with current zoning ordinances and codes. Insurance proceeds may not be sufficient to pay off the related underlying mortgage loan in full. In addition, if the mortgaged real property were to be repaired or restored in conformity with then current law, its value could be less than the remaining balance on the underlying mortgage loan and it may produce less revenue than before repair or restoration.

In connection with the origination of each underlying mortgage loan, the applicable Originator examined whether the use and operation of the related mortgaged real property were in material compliance with zoning, land-use, building, fire and health ordinances, rules, regulations and orders then-applicable to the mortgaged real property. Evidence of this compliance may have been in the form of certifications and other correspondence from government officials or agencies, title insurance endorsements, engineering, consulting or zoning reports, appraisals, legal opinions, surveys, recorded documents, temporary or permanent certificates of occupancy and/or representations by the related borrower. Where a material noncompliance was found or the property as currently operated is a legal non-conforming use and/or structure, an analysis was generally conducted as to—

- whether, in the case of material noncompliance, such noncompliance constitutes a legal non-conforming use and/or structure, and if not, whether an escrow or other requirement was appropriate to secure the taking of necessary steps to remediate any material noncompliance or constitute the condition as a legal non-conforming use or structure;
- the likelihood that a material casualty would occur that would prevent the property from being rebuilt in its current form; and
- whether existing replacement cost property damage insurance or, if necessary, supplemental law or ordinance coverage would, in the event of a material casualty, be sufficient—
  1. to satisfy the entire underlying mortgage loan; or
  2. taking into account the cost of repair, to pay down the underlying mortgage loan to a level that the remaining collateral would be adequate security for the remaining loan amount.

We cannot assure you that any such analysis in this regard is correct, or that the above determinations were made in each and every case.

In addition, except as may be identified on Exhibit C-2, the improvements located on or forming part of the mortgaged real properties either (i) materially comply with applicable zoning laws and ordinances, or (ii) are legal non-conforming uses or structures (a) that do not materially and adversely affect the values of such mortgaged real properties or (b) for which ordinance and law coverage was provided in amounts customarily required by prudent multifamily mortgage lenders for similar properties. See "Description of the Underlying Mortgage Loans—Underwriting Matters—Zoning and Building Code Compliance" in this information circular.

***Lending on Income-Producing Properties Entails Risks Related to Property Condition.*** With respect to all of the mortgaged real properties a third-party engineering firm inspected the property to assess exterior walls, roofing, interior construction, mechanical and electrical systems and general condition of the site, buildings and other

improvements in connection with the origination of the related underlying mortgage loan. However, we cannot assure you that all conditions at the mortgaged real properties requiring repair or replacement have been identified in these inspections, or that all building code and other legal compliance issues have been identified through inspection or otherwise, or, if identified, have been adequately addressed by escrows or otherwise. Furthermore, the condition of the mortgaged real properties may have changed since the date of inspection.

With respect to certain mortgaged real properties, the loan documents may require the related borrower to make certain repairs or replacements on the improvements on the mortgaged real property within specified time periods. Some of these repairs or replacements may still be in progress, and we cannot assure you that the related borrowers will complete any such repairs or replacements in a timely manner or in accordance with the requirements of the loan documents. We cannot assure you that any work for which reserves were required will be completed in a timely manner or that the reserved amounts will be sufficient to cover the entire cost of the work. In addition, we cannot assure you that these circumstances will not adversely impact operations at or the value of the related mortgaged real properties. See “Description of the Underlying Mortgage Loans—Underwriting Matters—Property Condition Assessments” and “—Certain Terms and Conditions of the Underlying Mortgage Loans—Escrow and Reserve Accounts—Engineering/Deferred Maintenance Reserves” in this information circular.

In addition, with respect to 27 of the mortgaged real properties identified on Exhibit A-1 as “Gramercy Apartments,” “Astorwood,” “Summit Center,” “Pine Barrens,” “Vista Del Rey Apartments,” “Thymewood,” “Rivers End,” “Bridgepoint,” “Timber Hollow Apartments,” “The Watson,” “Longhaven Estates MHC,” “Park At Oak Ridge,” “Whispering Pines,” “The Reserves Of Thomas Glen,” “Pinnacle Place Apartments,” “Oakview Place Apartment Homes,” “Park Square Townhouses,” “Palmetto Gardens & Willwood Gardens,” “Ridgewood - Indiana,” “Windrush,” “Willowood,” “Pine Meadows,” “Heronwood,” “Waterbury,” “Willow Run,” “Princeton Court” and “Charing Cross,” securing underlying mortgage loans collectively representing 34.0% of the initial mortgage pool balance, on-site inspections with respect to such mortgaged real properties in accordance with the lender’s requirements had not been completed as of the Cut-off Date or the inspection report included an unsatisfied qualifier to its conclusions because the COVID-19 outbreak and mitigation efforts prevented travel to such mortgaged real properties. As a consequence, tenant concentration percentages for such mortgaged real properties described in this information circular, if applicable, may be based on older inspection reports and may not reflect the tenant concentrations at the time of origination. Although deferred property inspections are expected to take place after the Closing Date pursuant to the terms of the related loan agreements, we cannot assure you when such inspections will take place. In addition, we cannot assure you whether any such property inspections would have identified any material adverse conditions or circumstances at the related mortgaged real properties.

***Special Hazard Losses May Cause You to Suffer Losses on the Offered Certificates.*** In general, the standard form of fire and extended coverage insurance policy covers physical damage to or destruction of the improvements of a property by fire, lightning, explosion, smoke, windstorm and hail, and riot, strike and civil commotion, subject to the conditions and exclusions specified in the related policy. However, most insurance policies typically do not cover any physical damage resulting from, among other things—

- war;
- nuclear, biological or chemical materials;
- revolution;
- governmental actions;
- floods, droughts and other water-related causes;
- earth movement, including earthquakes, landslides and mudflows;
- wet or dry rot;
- vermin; and
- domestic animals.

Unless the related loan documents specifically require the borrower to insure against physical damage arising from these causes (and such provisions were not waived), then any losses resulting from these causes may be borne by certificateholders.

If the related loan documents do not expressly require a particular type of insurance but permit the mortgagee to require such other insurance as is reasonable, a borrower may challenge whether maintaining that type of insurance is reasonable in light of all the circumstances, including the cost. The master servicer's efforts to require such insurance may be further impeded if the applicable Originator did not require such borrower to maintain such insurance regardless of the terms of the related loan documents.

There is also a possibility of casualty losses on a mortgaged real property for which insurance proceeds, together with land value, may not be adequate to pay the underlying mortgage loan in full or rebuild the improvements. Consequently, we cannot assure you that each casualty loss incurred with respect to a mortgaged real property will be fully covered by insurance or that the underlying mortgage loan will be fully repaid in the event of a casualty.

Furthermore, various forms of insurance maintained with respect to any of the mortgaged real properties for the underlying mortgage loans, including casualty insurance, may be provided under a blanket insurance policy. A blanket insurance policy will also cover other real properties, some of which may not secure underlying mortgage loans. As a result of total limits under any blanket policy, losses at other properties covered by the blanket insurance policy may reduce the amount of insurance coverage with respect to a property securing one of the underlying mortgage loans.

We cannot assure you regarding the extent to which the mortgaged real properties securing the underlying mortgage loans will be insured against earthquake risks.

With respect to the mortgaged real property identified on Exhibit A-1 as "Tradewinds MHC," securing an underlying mortgage loan representing 1.2% of the initial mortgage pool balance, such mortgaged real property is partially or fully located in seismic zones 3 or 4 or a geographic location with a horizontal peak ground acceleration equal to or greater than 0.15g and a seismic assessment was performed to assess the scenario expected loss or probable maximum loss. Earthquake insurance was not required by the lender with respect to any mortgaged real property partially or fully located in seismic zones 3 or 4 or a geographic location with a horizontal peak ground acceleration equal to or greater than 0.15g for which a scenario expected loss assessment or a probable maximum loss assessment was performed if the scenario expected loss or probable maximum loss for such mortgaged real property was less than or equal to 20% of the amount of the replacement cost of the improvements. See "Description of the Underlying Mortgage Loans—Certain Terms and Conditions of the Underlying Mortgage Loans—Property Damage, Liability and Other Insurance" in this information circular for additional information relating to mortgaged real properties that are partially or fully located in seismic zones 3 or 4 or a geographic location with a horizontal peak ground acceleration equal to or greater than 0.15g but for which earthquake insurance was not required.

***The Absence or Inadequacy of Terrorism Insurance Coverage on the Mortgaged Real Properties May Adversely Affect Payments on the Certificates.*** Following the September 11, 2001 terrorist attacks, many insurance companies eliminated coverage for acts of terrorism from their policies. Without assurance that they could secure financial backup for this potentially uninsurable risk, availability in the insurance market for this type of coverage, especially in major metropolitan areas, became either unavailable, or was offered with very restrictive limits and terms, with prohibitive premiums being requested. In order to provide a market for such insurance, the Terrorism Risk Insurance Act of 2002 established the "Terrorism Risk Insurance Program." The Terrorism Risk Insurance Program was reauthorized through December 31, 2027 pursuant to the Terrorism Risk Insurance Program Reauthorization Act of 2019.

The Terrorism Risk Insurance Program requires insurance carriers to provide terrorism coverage in their basic "all risk" policies. Under the Terrorism Risk Insurance Program, the federal government shares in the risk of losses occurring within the United States resulting from acts committed in an effort to influence or coerce United States civilians or the United States government. The federal share of compensation for insured losses of an insurer equals 80% of the portion of such insured losses that exceed a deductible equal to 20% of the value of the insurer's direct earned premiums over the calendar year immediately preceding that program year. Federal compensation in any

program year is capped at \$100 billion (with insurers being liable for any amount that exceeds such cap), and no compensation is payable with respect to a terrorist act unless the aggregate industry losses relating to such act exceed \$200 million. The Terrorism Risk Insurance Program does not cover nuclear, biological, chemical or radiological attacks. Unless borrowers obtain separate coverage for events that do not meet the thresholds or other requirements above, such events would not be covered.

If the Terrorism Risk Insurance Program is not reauthorized after its expiration on December 31, 2027, premiums for terrorism insurance coverage will likely increase and the terms of such insurance policies may be materially amended to increase stated exclusions or to otherwise effectively decrease the scope of coverage available (perhaps to the point where it is effectively not available). In addition, to the extent that any insurance policies contain a “sunset clause” (*i.e.*, clauses that void terrorism coverage if the federal insurance backstop program is not renewed), such policies may cease to provide terrorism insurance upon the expiration of the Terrorism Risk Insurance Program. Future insurance policies relating to any mortgaged real property might have such a sunset clause. We cannot assure you that the Terrorism Risk Insurance Program or any successor program will create any long-term changes in the availability and cost of insuring terrorism risks. In addition, we cannot assure you that terrorism insurance or the Terrorism Risk Insurance Program will be available or provide sufficient protection against risks of loss on the mortgaged real properties resulting from acts of terrorism.

Each Originator required its borrowers to obtain terrorism insurance with respect to the related mortgaged real properties, the cost of which, in some cases, may be subject to a maximum amount as set forth in the related loan documents. The master servicer will not be obligated to require any borrower to obtain or maintain terrorism insurance in excess of the amounts of coverage and deductibles required by the loan documents. The master servicer will not be required to declare a default under an underlying mortgage loan if the related borrower fails to maintain insurance with respect to acts of terrorism, and the master servicer need not maintain (or require the borrower to obtain) such insurance, if certain conditions are met, as described under “Description of the Underlying Mortgage Loans—Certain Terms and Conditions of the Underlying Mortgage Loans—Property Damage, Liability and Other Insurance” in this information circular.

The loan documents may permit the lender to temporarily suspend, cap or otherwise limit the requirement that the borrower maintain insurance against acts of terrorism for a period not longer than one year, which suspension, waiver or cap may be renewed by the lender in one year increments, if insurance against acts of terrorism is not available at commercially reasonable rates and such hazards are not at the time commonly insured against for properties similar to the related mortgaged real property and located in and around the region where the mortgaged real property is located.

We cannot assure you regarding the extent to which the mortgaged real properties will be insured against acts of terrorism. If any mortgaged real property sustains damage as a result of an uninsured terrorist or similar act, a default on the related underlying mortgage loan may result, and the damaged mortgaged real property may not provide adequate collateral to satisfy all amounts owing under the underlying mortgage loan. This could result in losses on some classes of certificates, subject to the Freddie Mac Guarantee.

If a borrower is required to maintain insurance coverage with respect to terrorist or similar acts, the borrower may incur higher costs for insurance premiums in obtaining that coverage which would have an adverse effect on the net cash flow of the related mortgaged real property.

***The Absence or Inadequacy of Earthquake, Flood and Other Insurance May Adversely Affect Payments on the Certificates.*** The mortgaged real properties may suffer casualty losses due to risks that are uninsured or inadequately insured. In addition, certain of the mortgaged real properties are located in regions that have historically been at greater risk of casualty losses due to acts of nature (such as fires, hurricanes, tornadoes, floods and earthquakes) than other regions. There is no assurance that borrowers under the underlying mortgage loans will be able to maintain adequate insurance. As a result of any of these factors, the amount available to make distributions on the offered certificates could be reduced.

***Compliance with Americans with Disabilities Act May Result in Additional Costs to Borrowers.*** Under the Americans with Disabilities Act of 1990, as amended (the “ADA”), all existing facilities considered to be “public accommodations” are required to meet certain federal requirements related to access and use by disabled persons such that the related borrower is required to take steps to remove architectural and communication barriers that are

deemed “readily achievable” under the ADA. Factors to be considered in determining whether or not an action is “readily achievable” include the nature and cost of the action, the number of persons employed at the related mortgaged real property and the financial resources of the borrower. To the extent a mortgaged real property securing an underlying mortgage loan does not comply with the ADA, the borrower may be required to incur costs to comply with this law. We cannot assure you that the borrower will have the resources to comply with the requirements imposed by the ADA, which could result in the imposition of fines by the federal government or an award of damages to private litigants.

***Limited Historical Operating Information for Certain Mortgaged Real Properties May Make the Investment More Speculative.*** Certain of the underlying mortgage loans were acquisition loans that were made to enable the related borrower to acquire the related mortgaged real property. Accordingly, for certain of the underlying mortgage loans limited or no historical operating information is available with respect to the related mortgaged real property. As a result, you may find it difficult to analyze the historical performance of those properties.

***Litigation May Adversely Affect Property Performance.*** There may be pending or, from time to time, threatened legal proceedings against the borrowers under the underlying mortgage loans, the property managers of the related mortgaged real properties and their respective affiliates, arising in the ordinary course of business. See “Description of the Underlying Mortgage Loans—Additional Loan and Property Information—Litigation” in this information circular for additional information relating to such pending or threatened litigation. Litigation can be expensive and time consuming to resolve. We cannot assure you that litigation will not adversely impact operations at, or the value of, the applicable mortgaged real properties or will not have a material adverse effect on your investment.

In addition, the closure of public offices due to COVID-19 may have prevented searches that would otherwise have been required by the Guide, and therefore pending legal proceedings against the borrowers under the underlying mortgage loans, the property managers of the related mortgaged real properties and their respective affiliates may not have been discovered.

***The Master Servicer and the Special Servicer May Be Directed to Take Actions.*** In connection with the servicing of Specially Serviced Mortgage Loans by the special servicer and the servicing of non-Specially Serviced Mortgage Loans (other than the Non-Serviced Loan) by the master servicer, the master servicer or the special servicer may, at the direction of the Approved Directing Certificateholder (if any), take actions with respect to such loans that could adversely affect the holders of some or all of the classes of certificates. The Approved Directing Certificateholder (if any) may have interests that conflict with those of certain certificateholders. As a result, it is possible that the Approved Directing Certificateholder (if any) may direct the master servicer or the special servicer to take actions that conflict with the interests of certain classes of certificates. However, the master servicer and the special servicer are not permitted to take actions that are prohibited by law or violate the Servicing Standard or the terms of the loan documents. See “The Pooling and Servicing Agreement—Enforcement of “Due-on-Sale” and “Due-on-Encumbrance” Clauses” and “—Modifications, Waivers, Amendments and Consents” in this information circular.

In addition, in connection with the special servicing of the Non-Serviced Whole Loan by the Non-Serviced Companion Loan Special Servicer pursuant to the Non-Serviced Companion Loan PSA, the Non-Serviced Companion Loan Special Servicer may, at the direction of the Non-Serviced Companion Loan Directing Holder, take actions with respect to the Non-Serviced Whole Loan that could adversely affect the holders of some or all of the classes of the certificates. The Non-Serviced Companion Loan Directing Holder may have interests in conflict with those of the certificateholders. As a result, it is possible that the Non-Serviced Companion Loan Directing Holder may direct the Non-Serviced Companion Loan Special Servicer to take actions that conflict with the interests of investors in the certificates. However, the Non-Serviced Companion Loan Special Servicer is not permitted to take actions with respect to the Non-Serviced Whole Loan that are prohibited by law or violate the related servicing standard or the terms of the related loan documents.

***The Mortgage Loan Seller May Not Be Able to Make a Required Cure, Repurchase or Substitution of a Defective Mortgage Loan.*** The mortgage loan seller is the sole warranting party in respect of the underlying mortgage loans sold by it to us. Neither we nor any of our affiliates are obligated to cure, repurchase or replace any underlying mortgage loan in connection with a material breach of the mortgage loan seller’s representations and warranties or any material document defects, if the mortgage loan seller defaults on its obligations to do so. We

cannot assure you that the mortgage loan seller will, or will have the ability to, effect any such cure, repurchase or substitution. If the mortgage loan seller fails to fulfill such obligation, you could experience cash flow disruptions or losses on your certificates, subject to the Freddie Mac Guarantee. In addition, the mortgage loan seller may have various legal defenses available to it in connection with a cure, repurchase or substitution obligation. Any underlying mortgage loan that is not cured, repurchased or replaced and that is not a “qualified mortgage” for a REMIC may cause designated portions of the issuing entity to fail to qualify as one or more REMICs or cause the issuing entity to incur a tax. See “—Risks Related to the Mortgage Loan Seller and Guarantor” below and “Description of the Mortgage Loan Seller and Guarantor” and “Description of the Underlying Mortgage Loans—Cures, Repurchases and Substitutions” in this information circular.

***The Mortgage Loan Seller May Become Subject to Receivership Laws That May Affect the Issuing Entity’s Ownership of the Underlying Mortgage Loans.*** In the event of the receivership of the mortgage loan seller, it is possible the issuing entity’s right to payment resulting from ownership of the underlying mortgage loans could be challenged, and if such challenge were successful, delays or reductions in payments on the certificates could occur. See “—Risks Related to the Mortgage Loan Seller and Guarantor” below and “Description of the Mortgage Loan Seller and Guarantor” in this information circular.

***One Action Rules May Limit Remedies.*** Several states, including California and New York, have laws that prohibit more than one “judicial action” to enforce a mortgage obligation, and some courts have construed the term “judicial action” broadly. If a mortgaged real property is located in a state that has a law of this type, the special servicer will be required to obtain advice of counsel prior to enforcing any of the issuing entity’s legal rights under the related underlying mortgage loan. For an underlying mortgage loan that is secured by mortgaged real properties located in multiple states, the special servicer may be required to foreclose first on properties located in states where the “one action” rules apply, and where non-judicial foreclosure is permitted, before foreclosing on properties located in states where judicial foreclosure is the only permitted method of foreclosure. This may present a risk of delay in foreclosure, and a risk that the value of the collateral may be adversely affected during the delay.

***Tax Considerations Related to Foreclosure May Reduce Net Proceeds Available for Distribution to the Certificateholders.*** Under the Pooling and Servicing Agreement, the special servicer, on behalf of the issuing entity, among others, may acquire one or more mortgaged real properties pursuant to a foreclosure or deed-in-lieu of foreclosure. The special servicer will be permitted to perform or complete construction work on a foreclosed property only if such construction was more than 10% complete when default on the related underlying mortgage loan became imminent. In addition, any net income from the operation and management of any such property that is not qualifying “rents from real property,” within the meaning of Code Section 856(d), and any rental income based on the net profits of a tenant or sub-tenant or allocable to a service that is non-customary in the area and for the type of property involved, will subject the issuing entity to U.S. federal (and possibly state or local) tax on such income at the corporate tax rate (which currently is 21%), thereby reducing net proceeds available for distribution to the certificateholders.

In addition, if the special servicer, on behalf of the issuing entity, among others, were to acquire one or more mortgaged real properties pursuant to a foreclosure or deed-in-lieu of foreclosure, upon acquisition of those mortgaged real properties, it may be required in certain jurisdictions, particularly in California and New York, to pay state or local transfer or excise taxes upon liquidation of such properties. Such state or local taxes may reduce net proceeds available for distribution to the certificateholders.

***Changes to REMIC Restrictions on Loan Modifications May Impact the Timing of Payments and Ultimate Recovery on the Underlying Mortgage Loans, and Likewise on One or More Classes of Certificates.*** The IRS has issued guidance easing the tax requirements for a servicer to modify a commercial or multifamily mortgage loan held in a REMIC by interpreting the circumstances when default is “reasonably foreseeable” to include those where the servicer reasonably believes that there is a “significant risk of default” with respect to the mortgage loan upon maturity of the loan or at an earlier date, and that by making such modification the risk of default is substantially reduced. Accordingly, if the master servicer or the special servicer determined that an underlying mortgage loan was at significant risk of default and permitted one or more modifications otherwise consistent with the terms of the Pooling and Servicing Agreement, any such modification may impact the timing of payments and ultimate recovery on the underlying mortgage loan, and likewise on one or more classes of certificates.

The IRS has also issued Revenue Procedure 2020-26 (extended by Revenue Procedure 2021-12) easing the tax requirements for a servicer to modify certain mortgage loans held in a REMIC by permitting certain forbearances (and related modifications) for up to 6 months that are agreed to by a borrower between March 27, 2020 and September 30, 2021, and that are made under certain forbearance programs for borrowers experiencing a financial hardship due, directly or indirectly, to the COVID-19 emergency. Under the Revenue Procedure, these forbearances (a) are not treated as resulting in a newly-issued mortgage loan for purposes of Section 1.860G-2(b)(1) of the regulations promulgated by the U.S. Department of the Treasury (“Treasury Regulations”), (b) are not prohibited transactions under Code Section 860F(a)(2), and (c) do not result in a deemed reissuance of related REMIC regular interests. Accordingly, the master servicer or the special servicer may be able to grant certain forbearances (and engage in related modifications), whether or not covered under Revenue Procedure 2020-26 and Revenue Procedure 2021-12, with respect to the underlying mortgage loans, which may impact the timing of payments and ultimate recovery on the underlying mortgage loans, and likewise on one or more classes of certificates.

In addition, the IRS has issued final regulations under the REMIC Provisions that modify the tax restrictions imposed on a servicer’s ability to modify the terms of the mortgage loans held by a REMIC relating to changes in the collateral, credit enhancement and recourse features. The IRS has also issued Revenue Procedure 2010-30, describing circumstances in which it will not challenge the treatment of mortgage loans as “qualified mortgages” on the grounds that the mortgage loan is not “principally secured by real property,” that is, has a real property loan-to-value ratio greater than 125% following a release of liens on some or all of the real property securing such mortgage loan. The general rule is that a mortgage loan must continue to be “principally secured by real property” following any such lien release, unless the lien release is pursuant to a defeasance permitted under the original loan documents and occurs more than two years after the startup day of the REMIC, all in accordance with the REMIC Provisions. Revenue Procedure 2010-30 also allows lien releases in certain “grandfathered transactions” and transactions in which the release is part of a “qualified pay-down transaction” even if the mortgage loan after the transaction might not otherwise be treated as principally secured by a lien on real property. If the value of the real property securing an underlying mortgage loan were to decline, the need to comply with the rules of Revenue Procedure 2010-30 could restrict the servicers’ actions in negotiating the terms of a workout or in allowing minor lien releases in circumstances in which, after giving effect to the release, the underlying mortgage loan would not have a real property loan-to-value ratio of 125% or less (calculated as described above). This could impact the timing of payments and ultimate recovery on an underlying mortgage loan, and likewise on one or more classes of certificates.

You should consider the possible impact on your investment of any existing REMIC restrictions as well as any potential changes to the REMIC rules.

### **Risks Related to the Offered Certificates**

***The Issuing Entity’s Assets May Be Insufficient to Allow for Repayment in Full on the Offered Certificates.*** The offered certificates do not represent obligations of any person or entity and do not represent a claim against any assets other than those of the issuing entity. Other than as described under “Description of the Certificates—Distributions—Freddie Mac Guarantee” in this information circular, no governmental agency or instrumentality will guarantee or insure payment on the offered certificates. In addition, neither we nor our affiliates are responsible for making payments on the offered certificates if collections on the underlying mortgage loans are insufficient. If the underlying mortgage loans are insufficient to make payments on the offered certificates, other than as described under “Description of the Certificates—Distributions—Freddie Mac Guarantee” in this information circular, no other assets will be available to you for payment of the deficiency, and you will bear the resulting loss. Any advances made by the master servicer or other party with respect to the underlying mortgage loans are intended solely to provide liquidity and not credit support. The party making those advances will have a right to reimbursement, with interest, which is senior to your right to receive payment on the offered certificates.

***Credit Support Provided By Subordination Is Limited and May Be Insufficient to Prevent Losses on the Offered Certificates.*** Although subordination is intended to reduce the risk to holders of senior certificates of delinquent distributions or ultimate losses, the amount of subordination will be limited and may decline under certain circumstances described in this information circular. In addition, if principal payments on one or more classes of certificates are made in a specified order or priority, any limits with respect to the aggregate amount of claims under any related credit support may be exhausted before the principal of the later paid classes of certificates has been repaid in full. As a result, the impact of losses and shortfalls experienced with respect to the underlying mortgage loans may fall primarily on those subordinate classes of certificates.

When making an investment decision, you should consider, among other things—

- the distribution priorities of the respective classes of certificates;
- the order in which the outstanding principal balances of the respective classes of certificates with outstanding principal balances will be reduced in connection with losses and default-related shortfalls (although such shortfalls with respect to the class AS certificates will be covered under the Freddie Mac Guarantee); and
- the characteristics and quality of the underlying mortgage loans.

***The Freddie Mac Guarantee Is Limited and May Be Insufficient to Prevent Losses on the Offered Certificates.*** The Freddie Mac Guarantee is intended to provide credit enhancement to the offered certificates as described in this information circular by increasing the likelihood that holders of the offered certificates will receive (i) timely payments of interest, (ii) payment of principal to holders of the class AS certificates, on the distribution date immediately following the maturity date of each underlying mortgage loan, (iii) reimbursement of Realized Losses (including as a result of Additional Issuing Entity Expenses) allocated to the class AS certificates and (iv) ultimate payment of principal by the Assumed Final Distribution Date to the holders of the class AS certificates. If, however, Freddie Mac were to experience significant financial difficulties, or if the Conservator placed Freddie Mac in receivership and the Freddie Mac Guarantee was repudiated as described in “—Risks Related to the Mortgage Loan Seller and Guarantor” below, the credit enhancement provided by the Freddie Mac Guarantee may be insufficient and the holders of offered certificates may suffer losses as a result of the various contingencies described in this “Risk Factors” section and elsewhere in this information circular. See “Description of the Certificates—Distributions—Freddie Mac Guarantee” in this information circular for a detailed description of the Freddie Mac Guarantee. The offered certificates are not guaranteed by the United States and do not constitute debts or obligations of the United States or any agency or instrumentality of the United States other than Freddie Mac. The Freddie Mac Guarantee will be subject to the conditions and limitations described in this information circular and will not cover all potential losses or risks.

***The Yield on the Class AS Certificates Will Be Affected By Your Purchase Price, the Rate of Principal Payments on the Loans and Changes in the Levels of SOFR.*** If you purchase class AS certificates at a premium, and if payments and other collections of principal on the underlying mortgage loans occur at a rate faster than you anticipated at the time of your purchase, then your actual yield to maturity may be lower than you had assumed at the time of your purchase. Conversely, if you purchase class AS certificates at a discount, and if payments and other collections of principal on the underlying mortgage loans occur at a rate slower than you anticipated at the time of your purchase, then your actual yield to maturity may be lower than you had assumed at the time of your purchase.

The yield to maturity on the class AS certificates will be highly sensitive to changes in the levels of SOFR such that decreasing levels of SOFR will have a negative effect on the yield to maturity of the holders of such certificates. In addition, prevailing market conditions may increase the interest rate margins above SOFR at which comparable securities are being offered, which would cause the class AS certificates to decline in value. Investors in the class AS certificates should consider the risk that lower than anticipated levels of SOFR could result in lower yield to investors than the anticipated yield and the risk that higher market interest rate margins above SOFR could result in a lower value of the class AS certificates. See “—Changes to, or the Elimination of, SOFR, or the Conversion of SOFR to an Alternate Index, Could Adversely Affect the Market Value or Liquidity of the Offered Certificates” above and “—SOFR is a Relatively New Reference Rate, Which Could Adversely Affect Your Investment in the Offered Certificates” below.

Investors should also consider that, should an Alternate Index take effect, similar considerations will apply to the class AS and XS certificates with respect to the Alternate Index as with respect to SOFR.

The yield on the class AS certificates could be adversely affected if underlying mortgage loans with higher interest rate margins over SOFR pay principal faster than underlying mortgage loans with lower interest rate margins over SOFR. Since the class AS certificates bear interest at a rate limited by the Weighted Average Net Mortgage Pass-Through Rate for the related distribution date minus the Guarantee Fee Rate, the pass-through rate on the class AS certificates may be limited by that pass-through rate cap, even if principal prepayments do not occur. See “Description of the Certificates—Distributions—Interest Distributions” in this information circular.

The Class XS Pass-Through Rate is calculated based on the Weighted Average Net Mortgage Pass-Through Rate. As a result, the pass-through rate (and, accordingly, the yield to maturity) on the class XS certificates could be adversely affected if underlying mortgage loans with higher interest rate margins over SOFR experience a faster rate of principal payment than underlying mortgage loans with lower interest rate margins over SOFR. This means that the yield to maturity on the class XS certificates will be sensitive to changes in the relative composition of the mortgage pool as a result of scheduled amortization, voluntary and involuntary prepayments and liquidations of the underlying mortgage loans following default. The Weighted Average Net Mortgage Pass-Through Rate will not be affected by modifications, waivers or amendments with respect to the underlying mortgage loans, except for any modifications, waivers or amendments that increase the mortgage interest rate.

The yield to maturity on the class XS certificates will also be adversely affected to the extent interest otherwise payable to the class XS certificates is required to be distributed on the class CS certificates as Additional Interest Accrual Amounts, as described under “Description of the Certificates—Distributions—Priority of Distributions” in this information circular.

***The Yields on the Offered Interest-Only Certificates Will Be Affected By Principal Payments on the Underlying Mortgage Loans and Losses.*** If you purchase the class XS certificates, your yield to maturity will be particularly sensitive to the rate and timing of principal payments on the underlying mortgage loans and the extent to which those amounts are applied to reduce the notional amount of the class XS certificates. Each distribution of principal in reduction of the outstanding principal balance of the class AS or CS certificates will result in a reduction in the notional amount of the class XS certificates. Your yield to maturity may also be adversely affected by—

- the repurchase of any underlying mortgage loans by the mortgage loan seller in connection with a material breach of a representation and warranty or a material document defect, as described under “Description of the Underlying Mortgage Loans—Cures, Repurchases and Substitutions” in this information circular;
- the purchase of a Defaulted Loan by the directing certificateholder pursuant to its purchase option under the Pooling and Servicing Agreement;
- the purchase of a Defaulted Loan by the holder of any subordinate debt or mezzanine debt pursuant to its purchase option under the related intercreditor agreement;
- the timing of defaults and liquidations of underlying mortgage loans; and
- the termination of the issuing entity, as described under “The Pooling and Servicing Agreement—Termination” in this information circular.

***Prepayment Rates Will Affect Your Yield.*** Prior to investing in the class XS certificates, you should fully consider the associated risks, including the risk that an extremely rapid rate of amortization, prepayments and/or liquidations on or with respect to the underlying mortgage loans could result in your failure to recoup fully your initial investment. See “Yield and Maturity Considerations—Yield Sensitivity of the Class XS Certificates” in this information circular. In addition, the amounts payable to the class XS certificates will vary with changes in the outstanding principal balance of the class AS and CS certificates. The class XS certificates will be adversely affected if underlying mortgage loans with relatively high mortgage interest rates experience a faster rate of principal payments than underlying mortgage loans with relatively low mortgage interest rates.

Generally, a borrower is less likely to prepay if prevailing interest rates are at or above the interest rate borne by its mortgage loan. On the other hand, a borrower is more likely to prepay if prevailing rates fall significantly below the interest rate borne by its mortgage loan. Borrowers are less likely to prepay mortgage loans with lockout periods or Static Prepayment Premium provisions, to the extent enforceable, than otherwise identical mortgage loans without these provisions or with shorter lockout periods or with lower or no Static Prepayment Premiums. But see “—The Underlying Mortgage Loans May Experience a Higher Than Expected Rate of Prepayment Due to the Right of Holders of a Majority Interest in the Class XS Certificates to Cause the Waiver of Static Prepayment Premiums and Due to Limited Prepayment Protection” below. None of the master servicer, the special servicer or any sub-servicers will be required to advance and the Freddie Mac Guarantee does not cover any Static Prepayment Premiums or other prepayment premiums.

Provisions requiring prepayment premiums or charges may not be enforceable in some states and under federal bankruptcy law, and may constitute interest for usury purposes. Accordingly, we cannot assure you that the obligation to pay a Static Prepayment Premium will be enforceable or, if enforceable, that the foreclosure proceeds

will be sufficient to pay the Static Prepayment Premium in connection with an involuntary prepayment. In general, Static Prepayment Premiums will be among the last items payable out of foreclosure proceeds. Additionally, although the collateral substitution provisions related to defeasance are not intended to be, and do not have the same effect on the certificateholders as a prepayment, we cannot assure you that a court would not interpret these provisions as requiring a Static Prepayment Premium, which may be unenforceable or usurious under applicable law.

If defaults are material and non-monetary, the special servicer may still accelerate the maturity of the underlying mortgage loan which could result in an acceleration of payments to the certificateholders.

***Delinquencies Will Affect Your Yield.*** Delinquencies on the underlying mortgage loans, if the delinquent amounts are not advanced, may result in shortfalls in distributions of interest and/or principal to the holders of the offered certificates for the current month (although such shortfalls with respect to the offered certificates may be covered under the Freddie Mac Guarantee). Furthermore, no interest will accrue on this shortfall during the period of time that the payment is delinquent. Even if such delinquencies do not ultimately result in losses on the underlying mortgage loans and class AS certificates, the delinquencies may nevertheless affect the weighted average life and yield to maturity of the class AS certificates.

***Losses Will Affect Your Yield.*** Losses on the underlying mortgage loans, even if not allocated to the class AS certificates, may result in a higher percentage ownership interest evidenced by the class AS certificates in the remaining underlying mortgage loans than would otherwise have resulted absent the loss. The consequent effect on the weighted average lives and yields to maturity of the offered certificates will depend on the characteristics of the remaining underlying mortgage loans.

Shortfalls in the Available Distribution Amount resulting from Net Aggregate Prepayment Interest Shortfalls will generally be allocated to all classes of interest-bearing certificates, on a *pro rata* basis, based on interest accrued (exclusive of any Additional Interest Accrual Amounts). However, such shortfalls with respect to the offered certificates will be covered under the Freddie Mac Guarantee. See “Description of the Certificates—Distributions—Interest Distributions” in this information circular.

See “Yield and Maturity Considerations” in this information circular.

**Risks Related to Compounded SOFR and Term SOFR.** In March 2020, the Federal Reserve Bank of New York began to publish compounded averages of SOFR, which are used to determine Compounded SOFR. Term SOFR is currently in development, and we cannot assure you that its development will be completed. It is possible that there will be limited interest in securities products based on Compounded SOFR or Term SOFR, or in Freddie Mac’s implementation of Compounded SOFR and Term SOFR. As a result, you should consider whether any future reliance on Compounded SOFR or Term SOFR could adversely affect the market values and yields of the offered certificates due to potentially limited liquidity and resulting constraints on available hedging and financing alternatives.

The pass-through rates for the certificates will be based on the SOFR Rate. The SOFR Rate will be based on Compounded SOFR unless and until those certain conditions described in the definition of “SOFR Rate” under “Description of the Underlying Mortgage Loans—Certain Terms and Conditions of the Underlying Mortgage Loans—Mortgage Interest Rates; Calculations of Interest” in this information circular are satisfied, in which case the SOFR Rate will then be based on Term SOFR. Freddie Mac may, from time to time, at its sole discretion, make SOFR Adjustment Conforming Changes without consent of holders of the offered certificates or any other party, which could change the methodology used to determine the SOFR Rate. Holders of the offered certificates will be deemed to have agreed to waive and release any and all claims relating to any such adjustments. We cannot assure you that the methodology to calculate Compounded SOFR, or, if later adopted, Term SOFR, will not be adjusted as described in the prior sentence and, if so adjusted, that the resulting pass-through rate for the offered certificates will yield the same or similar economic results over the lives of the affected class of the offered certificates relative to the results that would have occurred had the related pass-through rate been based on Compounded SOFR or Term SOFR, as applicable, without such adjustment or that the market value will not decrease due to any such adjustment in methodology. Freddie Mac will have significant discretion in making SOFR Adjustment Conforming Changes.

Additionally, we cannot assure you that the SOFR Rate will eventually be based on Term SOFR or, if based on Term SOFR in the future, that the resulting pass-through rate with respect to the offered certificates will yield the same or similar economic results over the lives of the affected class of the offered certificates relative to the results that would have occurred had the related pass-through rate been based on Compounded SOFR or that the market value will not decrease due to the move from Compounded SOFR to Term SOFR.

Investors in the offered certificates should consider the foregoing uncertainties prior to purchasing any offered certificates. In general, events related to SOFR and alternative reference rates may adversely affect the liquidity, market value and yield of the offered certificates.

***SOFR is a Relatively New Reference Rate, Which Could Adversely Affect Your Investment in the Offered Certificates.*** SOFR is published by the New York Federal Reserve Bank and is intended to be a broad measure of the cost of borrowing cash overnight collateralized by Treasury securities. The New York Federal Reserve Bank reports that SOFR includes all trades in the Broad General Collateral Rate (as defined on the New York Federal Reserve's Website) plus bilateral Treasury repurchase agreement (repo) transactions cleared through the delivery-versus-payment service offered by the Fixed Income Clearing Corporation (the "FICC"), a subsidiary of the Depository Trust and Clearing Corporation ("DTCC"). SOFR is filtered by the New York Federal Reserve Bank to remove a portion of the foregoing transactions considered to be "specials." According to the New York Federal Reserve Bank, "specials" are repos for specific-issue collateral, which take place at cash-lending rates below those for general collateral repos because cash providers are willing to accept a lesser return on their cash in order to obtain a particular security.

The New York Federal Reserve Bank reports that SOFR is calculated as a volume-weighted median of transaction-level tri-party repo data collected from The Bank of New York Mellon as well as General Collateral Finance Repo transaction data and data on bilateral Treasury repo transactions cleared through the FICC's delivery-versus-payment service. The New York Federal Reserve Bank also notes that it obtains information from DTCC Solutions LLC, an affiliate of DTCC. The New York Federal Reserve Bank notes on its publication page for SOFR that use of SOFR is subject to important limitations and disclaimers, including that the New York Federal Reserve Bank may alter the methods of calculation, publication schedule, rate revision practices or availability of SOFR at any time without notice.

Because SOFR is published by the New York Federal Reserve Bank based on data received from other sources, we have no control over its determination, calculation or publication. We cannot assure you that SOFR will not be discontinued or fundamentally altered in a manner that is materially adverse to the interests of investors in any class of certificates. If the manner in which SOFR is calculated is changed or if SOFR is discontinued, that change or discontinuance may result in a reduction of the amount of interest payable on the certificates and the trading prices of the certificates. If the SOFR Rate is not published on any SOFR Determination Date, the certificates will bear interest at a rate based on the SOFR Rate published on the last SOFR Business Day preceding such SOFR Determination Date for which such rate was published. This previously published rate would be an overnight rate that would remain in effect until the next day on which SOFR is published. As such, this rate may not reflect then-current market conditions, or the rate that would apply to investments where interest is set for a longer term. In the event that SOFR is discontinued or is not used, a Loan Index Conversion Event and a Certificate Index Conversion Event with respect to the certificates will occur and the certificates will bear interest based on an Alternate Index. See "Description of the Certificates—Distributions—Calculation of Pass-Through Rates" in this information circular.

Freddie Mac will have discretion with respect to certain elements of the rate replacement process, including, if an official recommendation for a replacement rate has not been recommended by the New York Federal Reserve Bank and/or FRB, electing the replacement rate (which may include any adjustments or spreads) in the event SOFR is unavailable. The determination of the replacement rate under such circumstances will be at the sole discretion of Freddie Mac and the replacement rate determined by Freddie Mac may be different from the rate that has been adopted by other market participants in similar products and any such determination may adversely affect the return on any class of certificates, the trading market for the certificates and the value of the certificates. None of these determinations, or the application of the replacement rate to payment calculations on the certificates, will be subject to the approval of the certificateholders.

These circumstances may adversely affect the price of the certificates following a discontinuation of SOFR. If the rate at which interest accrues on any day (meaning SOFR for that day plus the spread) declines to zero, no interest will be payable on the certificates in respect of that day.

In addition, Freddie Mac will decide, in its sole discretion, whether to adopt a Secured Overnight Financing Rate that is a forward-looking term rate as the SOFR Rate, *provided* that the transition may occur only if such transition will not cause an Adverse Tax Event. A Secured Overnight Financing Rate that is a forward-looking term rate is currently in development, but we cannot assure you that its development will be completed or that such forward-looking term rate will be adopted by Freddie Mac as the SOFR Rate. Furthermore, we cannot assure you that if such forward-looking term rate is adopted by Freddie Mac as the SOFR Rate in the future, that the change will yield the same or similar economic results over the lives of the class AS certificates relative to the results that would have occurred absent such adoption or that the market value will not decrease due to the adoption of a forward-looking term rate as the SOFR Rate.

Because SOFR is a relatively new rate, the certificates will likely have no established trading market when issued, and an established trading market may never develop or may not be very liquid. Additionally, as an overnight lending rate, SOFR may be subject to increased volatility relative to other interest rate benchmarks. Market terms for debt securities linked to SOFR, such as the spread over the rate reflected in interest rate provisions, may evolve over time, and trading prices of the certificates may be lower than those of later-issued SOFR-linked debt securities as a result. Similarly, if SOFR does not prove to be widely used in securities like the certificates, the trading price of the certificates may be lower than those certificates linked to rates that are more widely used. Investors in any class of certificates may not be able to sell such class at all or may not be able to sell such class at prices that will provide them with a yield comparable to similar investments that have a developed secondary market, and may consequently suffer from increased pricing volatility and market risk.

An investment in any class of certificates entails certain risks not associated with an investment in conventional fixed rate debt securities. The pass-through rate for each class of certificates is described on page 5.

The secondary market for, and the market value of, the certificates will be affected by a number of factors independent of the creditworthiness of the Guarantor, including the level and direction of interest rates, the variable rate of interest payable on the certificates, the anticipated level and potential volatility of SOFR, the method of calculating SOFR, the time remaining to the maturity of the certificates, the principal balance of the Principal Balance Certificates and the availability of comparable instruments. The level of SOFR depends on a number of interrelated factors, including economic, financial and political events, over which the Guarantor has no control.

The New York Federal Reserve Bank began to publish SOFR in April 2018. Although the New York Federal Reserve Bank has also begun publishing historical indicative SOFR going back to 2014, such prepublication historical data inherently involves assumptions, estimates and approximations. Investors should therefore not rely on any historical changes or trends in SOFR as an indicator of the future performance of SOFR during the term of the certificates. Fluctuations in the level of SOFR make the interest rates that apply to the certificates difficult to predict and can result in actual interest rates to investors that are lower than anticipated. In addition, historical interest rates are not necessarily indicative of future interest rates. Fluctuations in interest rates and interest rate trends that have occurred in the past are not necessarily indicative of fluctuations that may occur in the future, which may be wider or narrower than those that have occurred historically.

***The Underlying Mortgage Loans May Experience a Higher Than Expected Rate of Prepayment Due to the Right of Holders of a Majority Interest in the Class XS Certificates to Cause the Waiver of Static Prepayment Premiums and Due to Limited Prepayment Protection.*** Pursuant to the Pooling and Servicing Agreement, certificateholders representing a majority, by the outstanding notional amount, of the class XS certificates will have the right, in their sole discretion, to direct the master servicer or the special servicer, as applicable, to waive any obligation of the related borrower to pay a Static Prepayment Premium in connection with any prepayment of any underlying mortgage loan. Freddie Mac, as the expected initial certificateholder of all of the class XS certificates, has indicated that the likelihood of its waiver of a Static Prepayment Premium would increase in certain circumstances, such as if the prepayment is made in connection with a refinancing of an underlying mortgage loan that meets certain conditions. In addition, with respect to all of the underlying mortgage loans that have prepayment consideration periods during which voluntary principal prepayments must be accompanied by a Static Prepayment Premium, the related loan documents set out a period of time during which each borrower may prepay its entire

related underlying mortgage loan without payment of a Static Prepayment Premium if such underlying mortgage loan is prepaid using the proceeds of certain types of Freddie Mac mortgage loans that are the subject of a binding purchase commitment between Freddie Mac and a Freddie Mac Optigo® Seller/Servicer. Borrowers have an incentive to prepay the underlying mortgage loans if they are not required to pay a Static Prepayment Premium in connection with such a prepayment. Waivers of Static Prepayment Premiums by holders of a majority interest in the class XS certificates or prepayments using such proceeds of Freddie Mac mortgage loans may cause the underlying mortgage loans to experience a higher than expected rate of prepayments, which may adversely affect the yield to maturity of each class of offered certificates. The yield to maturity on the class AS certificates purchased at a discount or a premium will be sensitive to holders of a majority interest in the class XS certificates electing to waive payments of Static Prepayment Premiums. Such waivers would tend to increase the rate of prepayments on the underlying mortgage loans which would result in a faster than anticipated reduction in the outstanding principal balance of the class AS certificates. The yield to maturity on the class XS certificates will also be sensitive to such waivers. Such waivers would reduce the amount of Static Prepayment Premiums payable to the class XS certificates and, to the extent such waivers result in a faster than anticipated reduction in the total outstanding principal balance of the Principal Balance Certificates, will result in a faster than anticipated reduction in the notional amount of the class XS certificates. See “Description of the Underlying Mortgage Loans—Certain Terms and Conditions of the Underlying Mortgage Loans—Prepayment Provisions” in this information circular.

***Optional Early Termination of the Issuing Entity May Adversely Affect Your Yield or May Result in a Loss.*** The certificates will be subject to optional early termination by means of the purchase of the underlying mortgage loans and/or REO Properties in the issuing entity such early termination option is permitted at the time and for the price described in “The Pooling and Servicing Agreement—Termination” in this information circular. We cannot assure you that the proceeds from a sale of the underlying mortgage loans and/or REO Properties in connection with the exercise of the early termination option will be sufficient to distribute the outstanding certificate balance plus accrued interest and any undistributed shortfalls in interest accrued on the certificates that are subject to the early termination. Accordingly, the certificateholders affected by such a termination may suffer an adverse impact on the overall yield on their certificates, may experience repayment of their investment at an unpredictable and inopportune time or may even incur a loss on their investment, subject to the Freddie Mac Guarantee in the case of the offered certificates. See “The Pooling and Servicing Agreement—Termination” in this information circular.

***The Right of the Master Servicer and the Trustee to Receive Interest on Advances May Result in Additional Losses to the Issuing Entity.*** The master servicer and the trustee will each be entitled to receive interest on unreimbursed advances made by it. This interest will generally accrue from the date on which the advance is made through the date of reimbursement. In addition, under certain circumstances, including a payment default by the borrower, an underlying mortgage loan will become specially serviced and the special servicer will be entitled to compensation for performing special servicing functions pursuant to the Pooling and Servicing Agreement. The right to receive these distributions of advance interest and compensation is senior to the rights of certificateholders to receive distributions on the offered certificates and, consequently, may result in losses being allocated to the offered certificates that would not have otherwise resulted.

***The Terms of the Underlying Mortgage Loans Will Affect Payments on the Offered Certificates.*** Each underlying mortgage loan specifies the terms on which the related borrower must repay the underlying mortgage loan. The rate, timing and amount of scheduled payments of principal may vary significantly from underlying mortgage loan to underlying mortgage loan. The rate at which the underlying mortgage loans amortize will directly affect the rate at which the principal balance or notional amount of the offered certificates is paid down or reduced.

In addition, the underlying mortgage loans may permit the related borrower to prepay the loan during some of the loan term. In general, a borrower will be more likely to prepay its mortgage loan when it has an economic incentive to do so, such as obtaining a larger loan on the same mortgaged real property or a lower or otherwise more advantageous interest rate through refinancing. If an underlying mortgage loan includes some form of prepayment restriction, the likelihood of prepayment should decline. These restrictions may include an absolute or partial prohibition against voluntary prepayments during some of the loan term, during which voluntary principal prepayments are prohibited or a requirement that voluntary prepayments made during a specified period of time be accompanied by a Static Prepayment Premium. However, we cannot assure you that the imposition of a Static Prepayment Premium will provide a sufficient disincentive to prevent a voluntary principal prepayment. Furthermore, certain state laws limit the amounts that a lender may collect from a borrower as an additional charge in connection with the prepayment of an underlying mortgage loan.

In certain instances, however, there will be no restriction associated with the application of insurance proceeds or condemnation proceeds as a prepayment of principal. See “Description of the Underlying Mortgage Loans—Certain Terms and Conditions of the Underlying Mortgage Loans—Release of Property Through Prepayment” in this information circular.

***The Terms of the Underlying Mortgage Loans Do Not Provide Absolute Certainty Regarding the Rate, Timing and Amount of Payments on the Offered Certificates.*** The amount, rate and timing of payments and other collections on the underlying mortgage loans will be unpredictable because of possible borrower defaults and prepayments on the underlying mortgage loans and possible casualties or condemnations with respect to the mortgaged real properties.

The investment performance of the offered certificates may vary materially and adversely from your expectations due to—

- the rate of prepayments and other unscheduled collections of principal on the underlying mortgage loans being faster or slower than you anticipated;
- the rate of defaults on the underlying mortgage loans being faster, or the severity of losses on the underlying mortgage loans being greater, than you anticipated;
- the actual net cash flow for the underlying mortgage loans being different than the underwritten net cash flow for the underlying mortgage loans as presented in this information circular; or
- the debt service coverage ratios for the underlying mortgage loans as set forth in the related loan documents being different than the debt service coverage ratios for the underlying mortgage loans as presented in this information circular.

The actual yield to you, as a holder of an offered certificate, may not equal the yield you anticipated at the time of your purchase, and the total return on investment that you expected may not be realized. In deciding whether to purchase any offered certificates, you should make an independent decision as to the appropriate prepayment, default and loss assumptions to be used.

See “Yield and Maturity Considerations” in this information circular.

***Prepayments on the Underlying Mortgage Loans Will Affect the Average Lives of the Offered Certificates; and the Rate and Timing of Prepayments May Be Highly Unpredictable.*** Payments of principal and/or interest on the offered certificates will depend on, among other things, the rate and timing of payments on the underlying mortgage loans. Prepayments on the underlying mortgage loans may result in a faster rate of principal payments on the class AS certificates, thereby resulting in shorter average lives for the offered certificates than if those prepayments had not occurred. The rate and timing of principal prepayments on pools of mortgage loans are influenced by a variety of economic, demographic, geographic, social, tax and legal factors. Although many of the underlying mortgage loans provide for prepayment lockout periods which cover a substantial portion of the loan terms, prepayments may still occur during such periods as a result of a casualty or condemnation event. In addition, prepayments may occur in connection with a release of a mortgaged real property securing cross-collateralized underlying mortgage loans or in connection with a permitted partial release of a mortgaged real property. See “Description of the Underlying Mortgage Loans—Certain Terms and Conditions of the Underlying Mortgage Loans—Release of Property Through Prepayment” and “—Other Permitted Releases” in this information circular.

In addition, any repurchase of an underlying mortgage loan by the mortgage loan seller due to a material document defect or material breach of a representation or warranty will have the same effect as a prepayment of such underlying mortgage loan. See “Description of the Underlying Mortgage Loans—Cures, Repurchases and Substitutions” in this information circular.

Accordingly, we cannot predict the rate and timing of principal prepayments on the underlying mortgage loans. As a result, repayment of the offered certificates could occur significantly earlier or later, and the average lives of the offered certificates could be significantly shorter or longer, than you expected.

The extent to which prepayments on the underlying mortgage loans ultimately affect the average lives of the offered certificates depends on the terms and provisions of the offered certificates. A class of offered certificates may entitle the holders to a *pro rata* share of any prepayments on the underlying mortgage loans, to all or a

disproportionately large share of those prepayments, or to none or a disproportionately small share of those prepayments. If you are entitled to a disproportionately large share of any prepayments, the offered certificates may be retired at an earlier date. If, however, you are only entitled to a small share of the prepayments, the average lives of the offered certificates may be extended. Your entitlement to receive payments, including prepayments, of principal of the underlying mortgage loans may—

- vary based on the occurrence of specified events, such as the retirement of one or more other classes of certificates; or
- be subject to various contingencies, such as prepayment and default rates with respect to the underlying mortgage loans.

***Potential Conflicts of Interest of the Mortgage Loan Seller, the Depositor and the Depositor’s Affiliates.*** The mortgage loan seller and certain of the depositor’s affiliates own, lease or manage a number of properties other than the mortgaged real properties and may acquire additional properties in the future. Such other properties, similar to other third-party owned real estate, may compete with the mortgaged real properties for existing and potential tenants. We cannot assure you that the activities of the mortgage loan seller or the depositor’s affiliates with respect to such other properties will not adversely impact the performance of the mortgaged real properties.

The mortgage loan seller may also have ongoing relationships with the borrowers or the sponsors of the borrowers under the underlying mortgage loans. If any of the underlying mortgage loans is refinanced, the mortgage loan seller may purchase the refinanced loan. The mortgage loan seller may be influenced by its desire to maintain good ongoing relationships with the borrowers or their sponsors.

The mortgage loan seller, the depositor and the depositor’s affiliates (including one of the placement agents of the SPCs and one of the Initial Purchasers) may benefit from this offering in a number of ways, some of which may be inconsistent with the interests of purchasers of the certificates. The mortgage loan seller, the depositor and their affiliates may benefit from a completed offering of the certificates because the offering would establish a market precedent and a valuation data point for securities similar to the certificates, thus enhancing the ability of the mortgage loan seller, the depositor and their affiliates to conduct similar offerings in the future and permitting them to write up, avoid writing down or otherwise adjust the fair value of the underlying mortgage loans or other similar loans or securities held on their balance sheet.

Each of these relationships should be considered carefully by you before you invest in any of the certificates.

***Potential Conflicts of Interest of the Placement Agents and Their Affiliates.*** We expect that Freddie Mac will include the offered certificates in pass-through pools that it will form in connection with the issuance of its SPCs, which we expect Freddie Mac will offer to investors through placement agents. The activities of the placement agents and their respective affiliates (collectively, the “Placement Agent Entities”) may result in certain conflicts of interest. The Placement Agent Entities may retain, or own in the future, classes of SPCs or certificates and any voting rights of those classes could be exercised by any such Placement Agent Entity in a manner that could adversely impact one or more classes of SPCs or one or more classes of certificates. If that were to occur, that Placement Agent Entity’s interests may not be aligned with the interests of other holders of the SPCs or the certificates.

The Placement Agent Entities include broker-dealers whose businesses include executing securities and derivative transactions on their own behalf as principals and on behalf of clients. As such, they actively make markets in and trade financial instruments for their own accounts and for the accounts of customers. These financial instruments include debt and equity securities, currencies, commodities, bank loans, indices, baskets and other products. The Placement Agent Entities’ activities include, among other things, executing large block trades and taking long and short positions directly and indirectly, through derivative instruments or otherwise. The securities and instruments in which the Placement Agent Entities take positions, or expect to take positions, include loans similar to the underlying mortgage loans, securities and instruments similar to the SPCs and the certificates, and other securities and instruments. Market making is an activity where the Placement Agent Entities buy and sell on behalf of customers, or for their own accounts, to satisfy the expected demand of customers. By its nature, market making involves facilitating transactions among market participants that have differing views of securities and instruments. As a result, you should expect that the Placement Agent Entities will take positions that are inconsistent with, or adverse to, the investment objectives of investors in one or more classes of SPCs or one or more classes of certificates.

As a result of the Placement Agent Entities' various financial market activities, including acting as a research provider, investment advisor, market maker or principal investor, you should expect that personnel in various businesses throughout the Placement Agent Entities will have and express research or investment views and make recommendations that are inconsistent with, or adverse to, the objectives of investors in one or more classes of SPCs or one or more classes of certificates.

To the extent a Placement Agent Entity makes a market in the SPCs or certificates (which it is under no obligation to do), it would expect to receive income from the spreads between its bid and offer prices for the SPCs or certificates. The price at which a Placement Agent Entity may be willing to purchase SPCs or certificates, if it makes a market, will depend on market conditions and other relevant factors and may be significantly lower than the issue price for the SPCs or certificates and significantly lower than the price at which it may be willing to sell the SPCs or certificates.

In addition, the Placement Agent Entities will have no obligation to monitor the performance of the SPCs, the certificates or the actions of the master servicer, the special servicer, the certificate administrator, the trustee, Freddie Mac or the directing certificateholder, and will have no authority to advise such parties or to direct their actions. Furthermore, the Placement Agent Entities may have ongoing relationships with, render services to, and engage in transactions with the borrowers, the sponsors of the borrowers and their respective affiliates, which relationships and transactions may create conflicts of interest between the Placement Agent Entities, on the one hand, and the issuing entity, on the other hand.

Furthermore, the Placement Agent Entities expect that a completed offering will enhance their ability to assist clients and counterparties in the transaction or in related transactions (including assisting clients in additional purchases and sales of the certificates and hedging transactions). The Placement Agent Entities expect to derive fees and other revenues from these transactions. In addition, participating in a successful offering and providing related services to clients may enhance the Placement Agent Entities' relationships with various parties, facilitate additional business development, and enable them to obtain additional business and generate additional revenue.

Credit Suisse Securities (USA) LLC, one of the placement agents for the SPCs, will also be one of the Initial Purchasers and is an affiliate of the depositor. PNC Capital Markets LLC, one of the placement agents for the SPCs, will also be one of the Initial Purchasers. Each of these relationships should be considered carefully before making an investment in any class of SPCs or any class of certificates.

***The Interests of the Directing Certificateholder, the Non-Serviced Companion Loan Directing Holder or Freddie Mac May Be in Conflict with the Interests of the Offered Certificateholders, and Therefore, the Directing Certificateholder and Freddie Mac May Not Exercise Their Rights in a Way That is Most Beneficial to a Particular Class of Certificates; You May Be Bound by the Actions of Other Certificateholders.*** Any advice provided by Freddie Mac (in its capacity as servicing consultant or otherwise) may conflict with the interests of one or more classes of certificateholders. In addition, the directing certificateholder, the Non-Serviced Companion Loan Directing Holder and Freddie Mac or their respective designees (or any Junior Loan Holder that is a transferee of Freddie Mac) have the right to exercise the various rights and powers in respect of the mortgage pool described under "The Pooling and Servicing Agreement—Realization Upon Mortgage Loans" in this information circular. Any such junior lien mortgages and related securities may be purchased by certificateholders in this transaction, including the directing certificateholder, in which case the directing certificateholder could experience conflicts of interest when exercising consent rights with respect to the underlying mortgage loans and any related junior lien mortgages or related securities. You should expect that the directing certificateholder, the Non-Serviced Companion Loan Directing Holder and Freddie Mac or their respective designees will each exercise those rights and powers on behalf of itself, and they will not be liable to any certificateholders for doing so. However, certain matters relating to Affiliated Borrower Loans will require the special servicer to act in place of the directing certificateholder. See "The Pooling and Servicing Agreement—Realization Upon Mortgage Loans—Asset Status Report" in this information circular.

In certain instances, the Approved Directing Certificateholder (if any) will be entitled under the Pooling and Servicing Agreement to receive a portion of certain borrower-paid Transfer Fees. Such Approved Directing Certificateholder may have an incentive to maximize the amount of fees it collects by approving borrower actions that will result in the payment of such fees. As a result, such Approved Directing Certificateholder may have interests that conflict with those of other certificateholders. See "Description of the Certificates—Fees and Expenses" in this information circular.

In addition, subject to the conditions described under “The Pooling and Servicing Agreement—Resignation, Removal and Replacement of Servicers; Transfer of Servicing Duties” in this information circular, the directing certificateholder may remove the special servicer (other than with regard to the Non-Serviced Loan), with or without cause, and appoint a successor special servicer chosen by it without the consent of the holders of any other certificates, the trustee, the certificate administrator or the master servicer, but with the approval of Freddie Mac, which approval may not be unreasonably withheld. There is a risk that the directing certificateholder may choose a replacement special servicer that is not preferred by the holders of certain classes of certificates. Also, if at any time an Affiliated Borrower Special Servicer Loan Event occurs (other than with respect to any Affiliated Borrower Special Servicer Loan Event that exists on the Closing Date and is described in the definition of Affiliated Borrower Special Servicer Loan Event), the Pooling and Servicing Agreement will require that the special servicer promptly resign as special servicer of the related Affiliated Borrower Special Servicer Loan and, in the case where such Affiliated Borrower Special Servicer Loan is not an Affiliated Borrower Loan, the directing certificateholder will have the right to select the successor Affiliated Borrower Special Servicer to act as the special servicer with respect to such Affiliated Borrower Special Servicer Loan, in accordance with the requirements of the Pooling and Servicing Agreement. See “The Pooling and Servicing Agreement—Resignation, Removal and Replacement of Servicers; Transfer of Servicing Duties—Resignation of the Master Servicer or the Special Servicer” and “—Removal of the Master Servicer, the Special Servicer and any Sub-Servicer.” In the absence of significant losses on the underlying mortgage loans, the directing certificateholder (or an affiliate) will be a holder of a non-offered class of certificates. The directing certificateholder is therefore likely to have interests that conflict with those of the holders of the offered certificates. See “The Pooling and Servicing Agreement—Realization Upon Mortgage Loans—Directing Certificateholder” in this information circular.

In addition, with respect to the servicing of the Non-Serviced Whole Loan pursuant to the Non-Serviced Companion Loan PSA, the Non-Serviced Companion Loan Directing Holder has the right to exercise certain rights and powers in respect of the Non-Serviced Whole Loan and may be able to remove the Non-Serviced Companion Loan Special Servicer, with or without cause, and appoint a successor special servicer chosen by it with the approval of Freddie Mac, which approval may not be unreasonably withheld, subject to the directing certificateholder’s non-binding right of consultation. The Non-Serviced Companion Loan Directing Holder may have interests that conflict with those of the holders of the offered certificates.

***The Certificates Will Not Be Rated.*** We have not engaged any NRSRO to rate any class of certificates. The absence of ratings may adversely affect the ability of an investor to purchase or retain, or otherwise impact the liquidity, market value and regulatory characteristics of, the certificates.

If your investment activities are subject to legal investment laws and regulations, regulatory capital requirements or review by regulatory authorities, then you may be subject to restrictions on investment in the certificates. You should consult your own legal advisors for assistance in determining the suitability of and consequences to you of the purchase, ownership and sale of the certificates.

## **Risks Related to the Mortgage Loan Seller and Guarantor**

***Freddie Mac is in Conservatorship and the Conservator May Repudiate Freddie Mac’s Contracts, Including the Freddie Mac Guarantee and Other Obligations Related to the Offered Certificates.*** Freddie Mac operates under the conservatorship that commenced on September 6, 2008, conducting its business under the direction of Federal Housing Finance Agency (“FHFA”) as its conservator (in such capacity, the “Conservator”). The Conservator has the right to transfer or sell any asset or liability of Freddie Mac, including its guarantee obligation, without any approval, assignment or consent. If the Conservator were to transfer Freddie Mac’s guarantee obligation to another party, holders of the offered certificates would have to rely on that party for the satisfaction of the guarantee obligation and would be exposed to the credit risk of that party. Freddie Mac is also the mortgage loan seller and as such has certain obligations under the mortgage loan purchase agreement to cure, repurchase or substitute for underlying mortgage loans in connection with a material breach of the mortgage loan seller’s representations and warranties or any material document defects. If the Conservator were to transfer Freddie Mac’s obligations as mortgage loan seller to another party, certificateholders would have to rely on that party for satisfaction of such mortgage loan seller obligations and would be exposed to credit risk of that party. For additional information regarding the conservatorship, please see the Freddie Mac Filed Documents.

***Freddie Mac is Dependent on the Support of Treasury.*** In connection with Freddie Mac’s conservatorship, Freddie Mac entered into the Purchase Agreement, including amendments thereto, with U.S. Department of the Treasury (“Treasury”). The Purchase Agreement provides, among other things, that, on a quarterly basis, Freddie Mac generally may draw funds up to the amount, if any, by which Freddie Mac’s total liabilities exceed its total assets, as reflected on Freddie Mac’s GAAP consolidated balance sheet for the applicable fiscal quarter, *provided* that the aggregate amount funded under the Purchase Agreement may not exceed Treasury’s commitment. Under the Purchase Agreement, Freddie Mac received substantial support from Treasury and is dependent upon continued support in order to continue operating. Freddie Mac’s ability to access funds from Treasury under the Purchase Agreement is critical to keeping it solvent, allowing it to focus on its primary business objectives under conservatorship, and avoiding appointment of a receiver by FHFA under statutory mandatory receivership provisions. We cannot accurately predict what regulatory and legislative policies or actions the Biden Administration, FHFA or Congress will pursue with respect to Freddie Mac. Any deterioration in Freddie Mac’s financial position or any discontinued support of the Treasury could impact Freddie Mac’s ability to perform its obligations under the Freddie Mac Guarantee and the mortgage loan purchase agreement. Investors will be subject to the credit risk associated with Freddie Mac’s obligations to make payments under the Freddie Mac Guarantee or to cure, repurchase or substitute for underlying mortgage loans under the mortgage loan purchase agreement. For additional information regarding the Purchase Agreement or regulatory developments pertaining to Freddie Mac, please see the Freddie Mac Filed Documents.

***FHFA Could Terminate the Conservatorship by Placing Freddie Mac into Receivership, Which Could Adversely Affect the Performance of its Obligations under the Freddie Mac Guarantee and the Mortgage Loan Purchase Agreement.*** Under the Federal Housing Finance Regulatory Reform Act (the “Reform Act”), FHFA must place Freddie Mac into receivership if FHFA determines in writing that Freddie Mac’s assets are less than its obligations for a period of 60 days. FHFA has notified Freddie Mac that the measurement period for any mandatory receivership determination with respect to Freddie Mac’s assets and obligations would commence no earlier than the SEC public filing deadline for its quarterly or annual financial statements and would continue for 60 calendar days after that date. FHFA has also advised Freddie Mac that, if, during that 60-day period, Freddie Mac receives funds from Treasury in an amount at least equal to the deficiency amount under the Purchase Agreement, the Director of FHFA will not make a mandatory receivership determination.

In addition, Freddie Mac could be put into receivership at the discretion of the Director of FHFA at any time for other reasons specified in the Reform Act. A receivership would terminate the conservatorship. If FHFA were to become Freddie Mac’s receiver, it could exercise certain powers that could adversely affect certificateholders. As receiver, FHFA could repudiate any contract entered into by Freddie Mac prior to its appointment as receiver if FHFA determines, in its sole discretion, that performance of the contract is burdensome and that repudiation of the contract promotes the orderly administration of Freddie Mac’s affairs. If FHFA, as receiver, were to repudiate Freddie Mac’s obligations under the Freddie Mac Guarantee or the mortgage loan purchase agreement, the receivership estate would be liable for actual direct compensatory damages as of the date of receivership under the Reform Act. However, any such liability could be satisfied only to the extent that Freddie Mac’s assets were available for that purpose.

During a receivership, certain rights of the holders of the offered certificates under the Pooling and Servicing Agreement and mortgage loan purchase agreement may not be enforceable against Freddie Mac, or enforcement of such rights may be delayed. If Freddie Mac is placed into receivership and does not or cannot fulfill its guarantee obligations or other contractual obligations, certificateholders could become unsecured creditors of Freddie Mac with respect to claims made under the Freddie Mac Guarantee or such other contractual obligations, respectively.

The Reform Act also provides that no person may exercise any right or power to terminate, accelerate or declare an event of default under certain contracts to which Freddie Mac is a party, or obtain possession of or exercise control over any property of Freddie Mac, or affect any contractual rights of Freddie Mac, without the approval of FHFA as receiver, for a period of 90 days following the appointment of FHFA as receiver.

For additional information regarding the conservatorship and any termination of the conservatorship, please see the Freddie Mac Filed Documents.

## General Risk Factors

***Combination or “Layering” of Multiple Risks May Significantly Increase Risk of Loss.*** Although the various risks discussed in this information circular are generally described individually, any combination of risks, whether concurrent or serial in nature, may significantly increase the risk of loss on your certificates. The interaction of the risk factors described in this information circular and their effects are impossible to predict and are likely to change from time to time.

***The Certificates May Not Be a Suitable Investment for You.*** The certificates are not suitable investments for all investors. You should not purchase any class of certificates unless you understand and are able to bear the prepayment, credit, liquidity, market and other risks associated with that class of certificates. As described in these “Risk Factors,” the yield to maturity and the aggregate amount and timing of distributions on the certificates are subject to material variability from period to period and give rise to the potential for significant loss over the life of the certificates to the extent the Guarantor does not make Guarantor Payments on the offered certificates. An investment in the certificates involves substantial risks and uncertainties and should be considered only by sophisticated institutional investors with substantial investment experience with similar types of securities.

***The Prospective Performance of the Underlying Mortgage Loans Included in the Issuing Entity Should Be Evaluated Separately from the Performance of the Mortgage Loans in Any of Our Other Trusts.*** While there may be certain common factors affecting the performance and value of income-producing real properties in general, those factors do not apply equally to all income-producing real properties and, in many cases, there are unique factors that will affect the performance and/or value of a particular income-producing real property. Moreover, the effect of a given factor on a particular mortgaged real property will depend on a number of variables, including but not limited to property type, geographic location, competition, sponsorship and other characteristics of the property and the related underlying mortgage loan. Each income-producing mortgaged real property represents a separate and distinct business venture and, as a result, each underlying mortgage loan requires a unique underwriting analysis. Furthermore, economic and other conditions affecting mortgaged real properties, whether worldwide, national, regional or local, vary over time. The performance of a pool of mortgage loans originated and outstanding under a given set of economic conditions may vary significantly from the performance of an otherwise comparable mortgage pool originated and outstanding under a different set of economic conditions. Accordingly, investors should evaluate the underlying mortgage loans independently from the performance of mortgage loans underlying any other series of certificates.

***Property Value May Be Adversely Affected By Economic, Governmental and Legal Factors, Which May Be Difficult to Anticipate.*** Various factors may affect the value of multifamily properties without affecting their current net operating income, including—

- changes in interest rates;
- the availability of refinancing sources;
- changes in governmental regulations, licensing or fiscal policy;
- changes in zoning or tax laws; and
- potential environmental or other legal liabilities.

These factors may be difficult for an investor to assess because they involve, in many cases, predictions regarding macroeconomic forces and future government policies, rather than an analysis of a specific asset. Nevertheless, predictions of future property values are important because they represent the potential recovery to the investors in the event of a foreclosure.

***The Volatile Economy and Credit Disruptions May Adversely Affect the Value and Liquidity of Your Investment.*** From time to time, the real estate and securitization markets, including the market for CMBS, as well as global financial markets and the economy generally, experience significant dislocations, illiquidity and volatility that may adversely affect the values of CMBS. We cannot assure you that another dislocation will not occur.

Financial markets were significantly adversely affected and experienced substantial volatility due to the outbreak of the COVID-19 pandemic, and the global economy has been materially and adversely impacted as a result of the pandemic. We cannot assure you that financial markets and the global economy will not be adversely affected by the continuation of the pandemic.

Any economic downturn may adversely affect the financial resources of borrowers and may result in the inability of borrowers to make principal and interest payments on, or to refinance, their underlying mortgage loans when due or to sell their mortgaged real properties for an amount sufficient to pay off such underlying mortgage loans when due. In the event of default by any borrower, the issuing entity may suffer a partial or total loss with respect to the related underlying mortgage loan. Any delinquency or loss on any underlying mortgage loan would have an adverse effect on the distributions of principal and interest received by certificateholders.

***The Market Value of the Certificates Will Be Sensitive to Extrinsic Economic Factors Unrelated to the Performance of the Certificates and the Underlying Mortgage Loans.*** The market value of the certificates can decline even if the certificates and the underlying mortgage loans are performing at or above your expectations. The market value of the certificates will be sensitive to fluctuations in current interest rates. However, a change in the market value of the certificates as a result of an upward or downward movement in current interest rates may not equal the change in the market value of the certificates as a result of an equal but opposite movement in interest rates.

The market value of the certificates will also be influenced by the supply of and demand for CMBS generally. The supply of CMBS will depend on, among other things, the amount of commercial and multifamily mortgage loans, whether newly originated or held in portfolio, that are available for securitization. A number of factors will affect investors' demand for CMBS, including—

- the availability of alternative investments that offer high yields or are perceived as being a better credit risk, having a less volatile market value or being more liquid;
- legal and other restrictions that prohibit a particular entity from investing in CMBS or limit the amount or types of CMBS that it may acquire;
- investors' perceptions regarding the commercial and multifamily real estate markets which may be adversely affected by, among other things, a decline in real estate values or an increase in defaults and foreclosures on mortgage loans secured by income-producing properties; and
- investors' perceptions regarding the capital markets in general, which may be adversely affected by political, social and economic events completely unrelated to the commercial and multifamily real estate markets.

If you decide to sell the certificates, you may have to sell at a discount from the price you paid for reasons unrelated to the performance of the certificates or the underlying mortgage loans. Pricing information regarding the certificates may not be generally available on an ongoing basis which may make it more difficult to value the certificates in connection with such a sale.

***Other Events or Circumstances May Affect the Value and Liquidity of Your Investment.*** The value and liquidity of your investment in the certificates may be affected by general economic conditions and financial markets, as well as the following events or circumstances:

- wars, revolts, terrorist attacks, armed conflicts, pandemics (including COVID-19), energy supply or price disruptions, political crises, natural disasters, civil unrest and/or protests and man-made disasters may have an adverse effect on the mortgaged real properties and/or the certificates;
- defaults on the underlying mortgage loans may occur in large concentrations over a period of time, which might result in rapid declines in the value of the certificates;
- although most of the underlying mortgage loans were recently underwritten and originated, the values of the mortgaged real properties may have declined since the related underlying mortgage loans were originated and may decline following the issuance of the certificates and such declines may be substantial and occur in a relatively short period following the issuance of the certificates; and such declines may occur for reasons largely unrelated to the circumstances of the particular mortgaged real property;
- if underlying mortgage loans default, then the yield on your investment may be substantially reduced even though Liquidation Proceeds may be sufficient to result in the repayment of the principal of and accrued interest on the offered certificates; an earlier than anticipated repayment of principal (even in the absence of losses) in the event of a default in advance of the maturity date would tend to shorten the weighted average

period during which you earn interest on your investment; and a later than anticipated repayment of principal (even in the absence of losses) in the event of a default upon the maturity date would tend to delay your receipt of principal and the interest on your investment may be insufficient to compensate you for that delay;

- even if Liquidation Proceeds received on Defaulted Loans are sufficient to cover the principal and accrued interest on those underlying mortgage loans, the issuing entity may experience losses in the form of special servicing fees and other expenses, and you may bear losses as a result, or your yield may be adversely affected by such losses;
- the time periods to resolve Defaulted Loans may be long, and those periods may be further extended because of borrower bankruptcies and related litigation; this may be especially true in the case of loans made to borrowers that have, or whose affiliates have, substantial debts other than the underlying mortgage loan, including subordinate or mezzanine financing;
- trading activity associated with indices of CMBS may drive spreads on those indices wider than spreads on CMBS, thereby resulting in a decrease in the value of such CMBS, including the offered certificates, and spreads on those indices may be affected by a variety of factors, and may or may not be affected for reasons involving the commercial and multifamily real estate markets and may be affected for reasons that are unknown and cannot be discerned;
- if you determine to sell the certificates, you may be unable to do so or you may be able to do so only at a substantial discount from the price you paid; this may be the case for reasons unrelated to the then-current performance of the certificates or the underlying mortgage loans; and this may be the case within a relatively short period following the issuance of the certificates; and
- even if CMBS are performing as anticipated, the value of such CMBS in the secondary market may nevertheless decline as a result of a deterioration in general market conditions for other asset-backed securities or structured products, and you may be required to report declines in the value of the certificates, and/or record losses, on your financial statements or regulatory or supervisory reports, and/or repay or post additional collateral for any secured financing, hedging arrangements or other financial transactions that you are entering into that are backed by or make reference to the certificates, in each case as if the certificates were to be sold immediately.

***Legal and Regulatory Provisions Affecting Investors Could Adversely Affect the Liquidity of Your Investment.*** We make no representation as to the proper characterization of the certificates for legal investment, financial institution regulatory, financial reporting or other purposes, as to the ability of particular investors to purchase the certificates under applicable legal investment or other restrictions or as to the consequences of an investment in the certificates for such purposes or under such restrictions. Changes in federal banking and securities laws and other laws and regulations may have an adverse effect on issuers, investors, or other participants in the asset-backed securities markets, including the CMBS market. While the general effects of such changes are uncertain, regulatory or legislative provisions applicable to certain investors may have the effect of limiting or restricting their ability to hold or acquire CMBS, which in turn may adversely affect the ability of investors in the certificates who are not subject to those provisions to resell their certificates in the secondary market. For example:

- Investors should be aware, and in some cases are required to be aware, of the investor diligence requirements that apply in the EU (the “EU Due Diligence Requirements”) under Regulation (EU) 2017/2402 (as amended, the “EU Securitization Regulation”), and in the UK (the “UK Due Diligence Requirements”) under Regulation (EU) 2017/2402, as it forms part of UK domestic law by virtue of the European Union (Withdrawal) Act 2018 (“EUWA”), and as amended by the Securitization (Amendment) (EU Exit) Regulations 2019 (the “UK Securitization Regulation”), in addition to any other regulatory requirements that are (or may become) applicable to them and/or with respect to their investment in the certificates.
- The EU Due Diligence Requirements apply to “institutional investors” (as defined in the EU Securitization Regulation), being (subject to certain conditions and exceptions) (a) institutions for occupational retirement provision; (b) credit institutions (as defined in Regulation (EU) No 575/2013, as amended (the “CRR”)); (c) alternative investment fund managers who manage and/or market alternative investment funds in the EU; (d) investment firms (as defined in the CRR); (e) insurance and reinsurance undertakings; and

(f) management companies of UCITS funds (or internally managed UCITS); and the EU Due Diligence Requirements apply also to certain consolidated affiliates of such credit institutions and investment firms. Each such institutional investor and each relevant affiliate is referred to herein as an “EU Institutional Investor.”

- The UK Due Diligence Requirements apply to “institutional investors” (as defined in the UK Securitization Regulation) being (subject to certain conditions and exceptions): (a) insurance undertakings and reinsurance undertakings as defined in the FSMA; (b) occupational pension schemes as defined in the Pension Schemes Act 1993 that have their main administration in the UK, and certain fund managers of such schemes; (c) alternative investment fund managers as defined in the Alternative Investment Fund Managers Regulations 2013 which market or manage alternative investment funds in the UK; (d) UCITS as defined in the FSMA, which are authorized open ended investment companies as defined in the FSMA, and management companies as defined in the FSMA; and (e) CRR firms as defined in Regulation (EU) No 575/2013 as it forms part of UK domestic law by virtue of the EUWA; and the UK Due Diligence Requirements apply also to certain consolidated affiliates of such CRR firms. Each such institutional investor and each relevant affiliate is referred to herein as a “UK Institutional Investor.”
- EU Institutional Investors and UK Institutional Investors are referred to together as “Institutional Investors.” EU Securitization Regulation and UK Securitization Regulation are each a “Securitization Regulation” and EU Due Diligence Requirements and UK Due Diligence Requirements are each “Due Diligence Requirements,” and a reference to the “applicable Securitization Regulation” or “applicable Due Diligence Requirements” means, in relation to an Institutional Investor, as the case may be, the Securitization Regulation or the Due Diligence Requirements to which such Institutional Investor is subject. In addition, for the purpose of the following paragraph, a reference to a “third country” means (i) in respect of an EU Institutional Investor and the EU Securitization Regulation, a country other than an EU member state, or (ii) in respect of a UK Institutional Investor and the UK Securitization Regulation, a country other than the UK.
- The applicable Due Diligence Requirements restrict an Institutional Investor from investing in a securitization unless:
  - (a) in each case, it has verified that the originator, sponsor or original lender will retain, on an ongoing basis, a material net economic interest of not less than five percent in the securitization, determined in accordance with Article 6 of the applicable Securitization Regulation, and the risk retention is disclosed to the Institutional Investor (the “Risk Retention Requirements”);
  - (b) in the case of an EU Institutional Investor, it has verified that the originator, sponsor or SSPE has, where applicable, made available the information required by Article 7 of the EU Securitization Regulation (the “EU Transparency Requirements”) in accordance with the frequency and modalities provided for thereunder;
  - (c) in the case of a UK Institutional Investor, it has verified that the originator, sponsor or securitization special purpose entity:
    - (i) if established in the UK has, where applicable, made available the information required by Article 7 of the UK Securitization Regulation (the “UK Transparency Requirements”) in accordance with the frequency and modalities provided for thereunder; and
    - (ii) if established in a third country has, where applicable, made available information which is substantially the same as that which it would have made available under the UK Transparency Requirements if it had been established in the UK, and has done so with such frequency and modalities as are substantially the same as those with which it would have made information available if it had been established in the UK; and
  - (d) in each case, it has verified that, where the originator or original lender either (i) is not a credit institution or an investment firm (each as defined in the applicable Securitization Regulation) or (ii) is established in a third country, the originator or original lender grants all the credits giving rise to the underlying exposures on the basis of sound and well-defined criteria and clearly established processes for approving, amending, renewing and financing those credits and has effective systems in place to apply those criteria and processes in order to ensure that credit-granting is based on a thorough assessment of the obligor’s creditworthiness.

The applicable Due Diligence Requirements further require that an Institutional Investor carry out a due diligence assessment which enables it to assess the risks involved prior to investing, including but not limited to the risk characteristics of the individual investment position and the underlying assets and all the structural features of the securitization that can materially impact the performance of the investment. In addition, pursuant to the applicable Securitization Regulation, while holding an exposure to a securitization, an Institutional Investor is subject to various monitoring obligations in relation to such exposure, including but not limited to: (i) establishing appropriate written procedures to monitor compliance with the due diligence requirements and the performance of the investment and of the underlying assets; (ii) performing stress tests on the cash flows and collateral values supporting the underlying assets; (iii) ensuring internal reporting to its management body; and (iv) being able to demonstrate to its competent authorities, upon request, that it has a comprehensive and thorough understanding of the investment and underlying assets and that it has implemented written policies and procedures for the risk management and as otherwise required by the applicable Securitization Regulation.

Failure on the part of an Institutional Investor to comply with the applicable Due Diligence Requirements may result in various penalties including, in the case of those investors subject to regulatory capital requirements, the imposition of a punitive capital charge in respect of the investment in the securitization acquired by the relevant investor. Aspects of the requirements and what is or will be required to demonstrate compliance to national regulators remain unclear.

None of the depositor, the placement agents, the Initial Purchasers, Freddie Mac, their respective affiliates or any other person intends to retain a material net economic interest in the securitization constituted by the issuance of the certificates in a manner that would satisfy the Risk Retention Requirements or to take any other action that may be required by Institutional Investors for the purposes of their compliance with the applicable Due Diligence Requirements, and no such person assumes (i) any obligation to so retain or take any such other action or (ii) any liability whatsoever in connection with any certificateholder's non-compliance with the applicable Due Diligence Requirements. Consequently, the certificates are not a suitable investment for Institutional Investors. As a result, the price and liquidity of the certificates in the secondary market may be adversely affected.

- No party to this transaction will retain credit risk in this transaction in a form or an amount pursuant to the terms of the U.S. Credit Risk Retention Rule (12 C.F.R. Part 1234). See "Description of the Mortgage Loan Seller and Guarantor—Credit Risk Retention" in this information circular.
- Changes in federal banking and securities laws, including those resulting from the Dodd-Frank Act enacted in the United States, may have an adverse effect on issuers, investors, or other participants in the asset-backed securities markets. In particular, capital regulations issued by the U.S. banking regulators to implement the increased capital requirements established under the Basel Accord eliminate reliance on credit ratings and otherwise alter, and in most cases increase, the capital requirements imposed on depository institutions and their holding companies, including with respect to ownership of asset-backed securities such as CMBS. Further changes in capital requirements have been announced by the Basel Committee on Banking Supervision, and when fully implemented in the United States, these changes may have an adverse effect with respect to investments in asset-backed securities, including CMBS. As a result of these regulations, investments in CMBS, such as the certificates, by financial institutions subject to bank capital regulations may result in greater capital charges to these financial institutions and these regulations may otherwise adversely affect the treatment of CMBS for their regulatory capital purposes.
- The Financial Accounting Standards Board has adopted changes to the accounting standards for structured products. These changes, or any future changes, may affect the accounting for entities such as the issuing entity, could under certain circumstances require an investor or its owner generally to consolidate the assets of the issuing entity in its financial statements and record third parties' investments in the issuing entity as liabilities of that investor or owner or could otherwise adversely affect the manner in which the investor or its owner must report an investment in CMBS for financial reporting purposes.

Accordingly, all investors whose investment activities are subject to legal investment laws and regulations, regulatory capital requirements or review by regulatory authorities should consult with their own legal, accounting and other advisors in determining whether, and to what extent, the certificates will constitute legal investments for them or are subject to investment or other restrictions, unfavorable accounting treatment, capital charges or reserve requirements.

***The Limited Nature of Ongoing Information May Make It Difficult for You to Resell the Certificates.*** The primary source of ongoing information regarding your certificates, including information regarding the status of the related underlying mortgage loans, will be the periodic reports delivered by the certificate administrator described under the heading “Description of the Certificates—Reports to Certificateholders and Freddie Mac; Available Information” in this information circular. We cannot assure you that any additional ongoing information regarding your certificates will be available through any other source. In addition, the depositor is not aware of any source through which price information about the certificates will be generally available on an ongoing basis. The limited nature of the information regarding the certificates may adversely affect the liquidity of the offered certificates, even if a secondary market for the certificates is available. There will have been no secondary market for the certificates prior to this offering. We cannot assure you that a secondary market will develop or, if it does develop, that it will provide you with liquidity of investment or continue for the lives of the offered certificates. The market value of the certificates will fluctuate with changes in prevailing rates of interest or other credit related market changes. Consequently, the sale of the certificates in any market that may develop may be at a discount from the related par value or purchase price.

***The Master Servicer, any Sub-Servicer, the Trustee, the Certificate Administrator or the Custodian May Have Difficulty Performing Under the Pooling and Servicing Agreement or a Related Sub-Servicing Agreement.*** The issuing entity relies on the ability of the master servicer, any sub-servicer, the trustee, the certificate administrator and the custodian to perform their respective duties under the Pooling and Servicing Agreement or any related sub-servicing agreement. Any economic downturn or recession, whether resulting from COVID-19 or otherwise, may adversely affect the master servicer’s or any sub-servicer’s ability to perform its duties under the Pooling and Servicing Agreement or the related sub-servicing agreement, including performance as it relates to the making of P&I Advances or Servicing Advances or the ability to effectively service the underlying mortgage loans. Any economic downturn or recession may similarly adversely affect the ability of the trustee, the certificate administrator and the custodian to perform their respective duties, including the duty of the trustee to make P&I Advances in the event that the master servicer fails to make such advances and the duties of the certificate administrator relating to securities administration. The performance of such parties may also be affected by future events that occur with respect to each such party. Any of the above-described factors may adversely affect the performance of the underlying mortgage loans or the performance of the certificates.

***Insolvency Proceedings with Respect to the Master Servicer, the Special Servicer, the Trustee or the Certificate Administrator May Adversely Affect Collections on the Underlying Mortgage Loans and the Ability to Replace the Master Servicer, the Special Servicer, the Trustee or the Certificate Administrator.*** The master servicer, the special servicer, the trustee or the certificate administrator for the certificates may be eligible to become a debtor under the United States Bankruptcy Code or enter into receivership under the Federal Deposit Insurance Act. Should this occur, although the issuing entity may be entitled to the termination of any such party, such provision may not be enforceable. An assumption under the Bankruptcy Code of its responsibilities under the Pooling and Servicing Agreement would require the master servicer, the special servicer, the trustee or the certificate administrator to cure any of its pre-bankruptcy defaults and demonstrate that it is able to perform following assumption. The impact of insolvency by an entity governed by state insolvency law would vary depending on the laws of the particular state. We cannot assure you that a bankruptcy or receivership of the master servicer, the special servicer, the trustee or the certificate administrator would not adversely impact the servicing or administration of the underlying mortgage loans or that the issuing entity would be entitled to terminate any such party in a timely manner or at all.

If the master servicer, the special servicer, the trustee or the certificate administrator becomes the subject of bankruptcy, receivership or similar proceedings, claims by the issuing entity to funds in the possession of the master servicer, the special servicer, the trustee or the certificate administrator at the time of the bankruptcy filing or other similar filing may not be perfected due to the circumstances of any bankruptcy or similar proceedings. In this event, funds available to pay principal and interest on the certificates may be delayed or reduced.

***Inability to Replace the Master Servicer Could Affect Collections and Recoveries on the Underlying Mortgage Loans.*** The structure of the master servicing fee and master servicer surveillance fee payable to the master servicer might affect the trustee’s ability to find a replacement master servicer. Although the trustee is required to replace the master servicer if the master servicer is terminated or resigns, if the trustee is unwilling (including, for example, because the master servicing fee and master servicer surveillance fee are insufficient) or

unable (including, for example, because the trustee does not have the computer systems required to service mortgage loans), it may be necessary to appoint a replacement master servicer. Because the master servicing fee and master servicer surveillance fee are structured as a percentage of the Stated Principal Balance of each underlying mortgage loan, it may be difficult to replace the master servicer at a time when the balance of the underlying mortgage loans has been significantly reduced because the fees may be insufficient to cover the costs associated with servicing the underlying mortgage loans and/or related REO Properties remaining in the mortgage pool. The performance of the underlying mortgage loans may be negatively impacted, beyond the expected transition period during a servicing transfer, if a replacement master servicer is not retained within a reasonable amount of time. In addition, with respect to the Non-Serviced Whole Loan, the Non-Serviced Companion Loan Trustee may be unable to replace the Non-Serviced Companion Loan Master Servicer for reasons similar to those described above, which could impact the performance of the Non-Serviced Whole Loan.

***Your Lack of Control Over the Issuing Entity Can Adversely Impact Your Investment.*** Except as described below, investors in the certificates do not have the right to make decisions with respect to the administration of the issuing entity. These decisions are generally made, subject to the terms of the Pooling and Servicing Agreement, by the master servicer, the special servicer, the certificate administrator and the trustee. Any decision made by any of those parties in respect of the issuing entity in accordance with the terms of the Pooling and Servicing Agreement, even if it determines that decision to be in your best interest, may be contrary to the decision that you would have made and may negatively affect your interests.

In some circumstances, the consent or approval of the holders of a specified percentage of the certificates will be required in order to direct, consent to or approve certain actions, including amending the Pooling and Servicing Agreement. In these cases, this consent or approval will be sufficient to bind all certificateholders. For example, the trustee may not be required to commence legal proceedings against third parties at the direction of any certificateholders unless, among other conditions, at least 25% of the voting rights (determined without notionally reducing the outstanding principal balances of the Principal Balance Certificates by any Appraisal Reduction Amounts) associated with the certificates join in the demand and offer indemnification satisfactory to the trustee. Those certificateholders may not commence legal proceedings themselves with respect to the Pooling and Servicing Agreement or the certificates unless the trustee has refused to institute proceedings after the conditions described in the preceding sentence have been satisfied. These provisions may limit your personal ability to enforce the provisions of the Pooling and Servicing Agreement.

In addition, in certain limited circumstances, certificateholders have the right to vote on matters affecting the issuing entity. In some cases, these votes are by certificateholders taken as a whole and in others the vote is by class. Your interests as a certificateholder of a particular class may not be aligned with the interests of certificateholders of one or more other classes of certificates in connection with any such vote. In all cases, voting is based on the outstanding certificate balance, which is reduced by Realized Losses. These limitations on voting could adversely affect your ability to protect your interests with respect to matters voted on by certificateholders. See “Description of the Certificates—Voting Rights” in this information circular.

A certificate registered in the name of the trustee, the certificate administrator, the master servicer, the special servicer, Freddie Mac, or any affiliate of any of them, as applicable, will be deemed not to be outstanding and the voting rights to which it is entitled will not be taken into account for the purposes of giving any consent, approval or waiver pursuant to the Pooling and Servicing Agreement with respect to the rights, obligations or liabilities of such party, subject to certain exclusions, as further described under “Description of the Certificates—Voting Rights” in this information circular.

## **CAPITALIZED TERMS USED IN THIS INFORMATION CIRCULAR**

From time to time we use capitalized terms in this information circular. A capitalized term used throughout this information circular will have the meaning assigned to it in the “Glossary” to this information circular.

## **FORWARD-LOOKING STATEMENTS**

This information circular includes the words “expects,” “intends,” “anticipates,” “likely,” “estimates,” and similar words and expressions. These words and expressions are intended to identify forward-looking statements. Any forward-looking statements are made subject to risks and uncertainties that could cause actual results to differ

materially from those stated. These risks and uncertainties include, among other things, declines in general economic and business conditions, increased competition, changes in demographics, changes in political and social conditions, regulatory initiatives and changes in customer preferences, many of which are beyond our control and the control of any other person or entity related to this offering. The forward-looking statements made in this information circular are accurate as of the date stated on the cover of this information circular. We have no obligation to update or revise any forward-looking statement.

## DESCRIPTION OF THE ISSUING ENTITY

The entity issuing the certificates will be FREMF 2021-KF117 Mortgage Trust, which we refer to in this information circular as the “issuing entity.” The issuing entity is a New York common law trust that will be formed on the Closing Date pursuant to the Pooling and Servicing Agreement. The only activities that the issuing entity may perform are those set forth in the Pooling and Servicing Agreement, which are generally limited to owning and administering the underlying mortgage loans and any REO Property, disposing of Defaulted Loans and REO Property, issuing the certificates and making distributions and providing reports to certificateholders. Accordingly, the issuing entity may not issue securities other than the certificates, or invest in securities, other than investment of funds in certain accounts maintained under the Pooling and Servicing Agreement in certain short-term, high-quality investments. The issuing entity may not lend or borrow money, except that the master servicer or the trustee may make advances to the issuing entity only to the extent it deems such advances to be recoverable from the related underlying mortgage loan. Such advances are intended to be in the nature of a liquidity, rather than a credit facility. The Pooling and Servicing Agreement may be amended as set forth under “The Pooling and Servicing Agreement—Amendment” in this information circular. The issuing entity administers the underlying mortgage loans through the master servicer and the special servicer. A discussion of the duties of the servicers, including any discretionary activities performed by each of them, is set forth under “The Pooling and Servicing Agreement” in this information circular.

The only assets of the issuing entity other than the underlying mortgage loans and any REO Properties are certain accounts maintained pursuant to the Pooling and Servicing Agreement, the obligations of Freddie Mac pursuant to the Freddie Mac Guarantee and the short-term investments in which funds in the collection accounts and other accounts are invested. The issuing entity has no present liabilities, but has potential liability relating to ownership of the underlying mortgage loans and any REO Properties, and indemnity obligations to the trustee, the custodian, the certificate administrator, the master servicer, the special servicer and Freddie Mac (in its capacity as servicing consultant). The fiscal year of the issuing entity is the calendar year. The issuing entity has no executive officers or board of directors. It acts through the trustee, the custodian, the certificate administrator, the master servicer and the special servicer.

The depositor is contributing the underlying mortgage loans to the issuing entity. The depositor is purchasing the underlying mortgage loans from the mortgage loan seller pursuant to a mortgage loan purchase agreement, as described in “Summary of Information Circular—The Underlying Mortgage Loans—Source of the Underlying Mortgage Loans” and “Description of the Underlying Mortgage Loans—Representations and Warranties” in this information circular.

As a common-law trust, it is anticipated that the issuing entity would not be subject to the Bankruptcy Code. In connection with the sale of the underlying mortgage loans from the depositor to the issuing entity, a legal opinion is required to be rendered to the effect that if the depositor were to become a debtor in a case under the Bankruptcy Code, a federal bankruptcy court, which acted reasonably and correctly applied the law to the facts as set forth in such legal opinion after full consideration of all relevant factors, would hold that the transfer of the underlying mortgage loans from the depositor to the issuing entity was a true sale rather than a pledge such that (i) the underlying mortgage loans, and payments under the underlying mortgage loans and identifiable proceeds from the underlying mortgage loans would not be property of the estate of the depositor under Section 541(a)(1) of the Bankruptcy Code and (ii) the automatic stay arising pursuant to Section 362(a) of the Bankruptcy Code upon the commencement of a bankruptcy case of the depositor is not applicable to payments on the certificates. This legal opinion is based on numerous assumptions, and we cannot assure you that all of such assumed facts are true, or will continue to be true. Moreover, we cannot assure you that a court would rule as anticipated in this legal opinion.

The issuing entity will be relying on an exclusion or exemption under the Investment Company Act contained in Section 3(c)(5) of the Investment Company Act or Rule 3a-7 under the Investment Company Act, although there may be additional exclusions or exemptions available to the issuing entity. Accordingly, the issuing entity is being structured so as not to constitute a “covered fund” for purposes of Section 619 of the Dodd-Frank Act (such statutory provision, together with the implementing regulations, the “Volcker Rule”). The Volcker Rule generally prohibits “banking entities” (which is broadly defined to include U.S. banks and bank holding companies and many non-U.S. banking entities, together with their respective subsidiaries and other affiliates) from (i) engaging in proprietary trading, (ii) acquiring or retaining an ownership interest in or sponsoring a “covered fund” and (iii) entering into certain relationships with such funds. Under the Volcker Rule, unless otherwise jointly determined otherwise by specified federal regulators, a “covered fund” does not include an issuer that may rely on an exclusion or exemption from the definition of “investment company” under the Investment Company Act other than the exclusions contained in Section 3(c)(1) and Section 3(c)(7) of the Investment Company Act. The general effects of the Volcker Rule remain uncertain. Any prospective investor in the certificates, including a U.S. or foreign bank or a subsidiary or other bank affiliate, should consult its own legal advisors regarding such matters and other effects of the Volcker Rule.

There are no legal proceedings pending against the issuing entity that are material to the certificateholders.

### **DESCRIPTION OF THE DEPOSITOR**

The depositor is Credit Suisse First Boston Mortgage Securities Corp., a Delaware corporation. The depositor is an affiliate of Credit Suisse Securities (USA) LLC, which will be one of the Initial Purchasers and is one of the placement agents for the SPCs. The depositor maintains its principal office at 11 Madison Avenue, 4th Floor New York, New York 10010. Its telephone number is (212) 538-1807. The depositor does not have, nor is it expected in the future to have, any significant assets or liabilities.

The depositor will have minimal ongoing duties with respect to the offered certificates and the underlying mortgage loans. The depositor’s duties pursuant to the Pooling and Servicing Agreement include, without limitation, the duty to appoint a successor trustee or certificate administrator in the event of the resignation or removal of the trustee or the certificate administrator, to provide information in its possession to the certificate administrator to the extent necessary to perform REMIC tax administration and to indemnify the trustee, the certificate administrator, the master servicer, the special servicer, the custodian, Freddie Mac and the issuing entity for any liability, assessment or costs arising from its willful misconduct, bad faith, fraud or negligence in providing such information. The depositor is required under the certificate purchase agreement relating to the offered certificates to indemnify Freddie Mac for certain liabilities.

Under the Pooling and Servicing Agreement, the depositor and various related persons and entities will be entitled to be indemnified by the issuing entity for certain losses and liabilities incurred by the depositor as described in “The Pooling and Servicing Agreement—Certain Indemnities” in this information circular.

There are no legal proceedings pending against the depositor that are material to the certificateholders.

Neither we nor any of our affiliates will guarantee any of the underlying mortgage loans. Furthermore, no governmental agency or instrumentality will guarantee or insure any of the underlying mortgage loans.

### **DESCRIPTION OF THE MORTGAGE LOAN SELLER AND GUARANTOR**

#### **The Mortgage Loan Seller and Guarantor**

All of the underlying mortgage loans were sold to us by Freddie Mac, the mortgage loan seller. Each underlying mortgage loan was originated by one of Bellwether Enterprise Real Estate Capital, LLC, Berkadia Commercial Mortgage LLC, Berkeley Point Capital LLC, d/b/a Newmark Knight Frank, Capital One, National Association, CBRE Capital Markets, Inc., Grandbridge Real Estate Capital LLC, Greystone Servicing Company LLC, JLL Real Estate Capital, LLC, ORIX Real Estate Capital, LLC, Walker & Dunlop, LLC and Wells Fargo Bank, National Association (collectively, the “Originators”), and was acquired and re-underwritten by the mortgage loan seller. Freddie Mac will buy all of the offered certificates on the Closing Date and may, but is under no obligation to, purchase additional classes of certificates in the secondary market at any time following the Closing Date.

Freddie Mac is one of the largest participants in the U.S. mortgage market. Freddie Mac is a stockholder-owned government-sponsored enterprise chartered by Congress on July 24, 1970 under the Freddie Mac Act to stabilize residential mortgage markets in the United States and expand opportunities for homeownership and affordable rental housing.

Freddie Mac's statutory purposes are:

- to provide stability in the secondary market for residential mortgages;
- to respond appropriately to the private capital markets;
- to provide ongoing assistance to the secondary market for residential mortgages (including mortgages on housing for low- and moderate-income families involving a reasonable economic return that may be less than the return earned on other activities) by increasing the liquidity of mortgage investments and improving the distribution of investment capital available for residential mortgage financing; and
- to promote access to mortgage credit throughout the United States (including central cities, rural areas and other underserved areas) by increasing the liquidity of mortgage investments and improving the distribution of investment capital available for residential mortgage financing.

Freddie Mac fulfills the requirements of its charter by purchasing residential mortgages and mortgage-related securities in the secondary mortgage market and securitizing such mortgages into mortgage-related securities for its mortgage-related investment portfolio. It also purchases multifamily residential mortgages in the secondary mortgage market and holds these loans either for investment or sale. Freddie Mac finances the purchases of its mortgage-related securities and mortgage loans, and manages its interest-rate and other market risks, primarily by issuing a variety of debt instruments and entering into derivative contracts in the capital markets. Although it is chartered by Congress, Freddie Mac is solely responsible for making payments on its obligations. Neither the U.S. government nor any agency or instrumentality of the U.S. government other than Freddie Mac guarantees its obligations.

### **Freddie Mac Conservatorship**

Freddie Mac operates under the conservatorship that commenced on September 6, 2008, conducting its business under the direction of FHFA, as Conservator. The conservatorship and related matters significantly affect Freddie Mac's management, business activities, financial condition and results of operations.

Upon its appointment, FHFA, as Conservator, immediately succeeded to all rights, titles, powers and privileges of Freddie Mac and of any stockholder, officer or director of Freddie Mac with respect to Freddie Mac and its assets, and succeeded to the title to all books, records and assets of Freddie Mac held by any other legal custodian or third party. The Conservator delegated certain authority to Freddie Mac's Board of Directors to oversee, and to Freddie Mac's management to conduct, business operations so that Freddie Mac can continue to operate in the ordinary course of business. There is significant uncertainty as to whether or when Freddie Mac will emerge from conservatorship, as it has no specified termination date, and as to what changes may occur to Freddie Mac's business structure during or following conservatorship, including whether Freddie Mac will continue to exist. While Freddie Mac is not aware of any current plans of its Conservator to significantly change its business structure in the near term, there are likely to be significant changes beyond the near-term that will be decided by FHFA, Congress or the Biden Administration.

To address deficits in Freddie Mac's net worth, FHFA, as Conservator, entered into the Purchase Agreement with Treasury, and (in exchange for an initial commitment fee of senior preferred stock and warrants to purchase common stock) Treasury made a commitment to provide funding, under certain conditions. Freddie Mac is dependent upon the continued support of Treasury and FHFA in order to continue operating its business. Freddie Mac's ability to access funds from Treasury under the Purchase Agreement is critical to keeping it solvent and avoiding appointment of a receiver by FHFA under statutory mandatory receivership provisions.

We cannot accurately predict what regulatory or legislative policies or actions the Biden Administration, FHFA or Congress will pursue with respect to Freddie Mac.

Additional information regarding the conservatorship, the Purchase Agreement and other matters concerning Freddie Mac is available in the Freddie Mac Filed Documents.

### **Proposed Operation of Multifamily Mortgage Business on a Stand-Alone Basis**

In the past, legislation was introduced in Congress that, if passed into law, would have required Freddie Mac to transition its multifamily operations to a stand-alone entity. It is possible that similar legislation could be introduced in the future. We cannot predict whether Congress would pass any such legislation into law.

If Freddie Mac were to transition its multifamily operations to one or more stand-alone entities, such entities may be entitled to exercise the rights and perform the obligations of Freddie Mac under the Pooling and Servicing Agreement, the mortgage loan purchase agreement and other transaction documents. However, Freddie Mac's obligations under the Freddie Mac Guarantee and as mortgage loan seller would continue to be the obligations of Freddie Mac in its capacity as Guarantor of the Guaranteed Certificates and mortgage loan seller, respectively.

### **Litigation Involving the Mortgage Loan Seller and Guarantor**

For more information on Freddie Mac's involvement as a party to various legal proceedings, see the Freddie Mac Filed Documents.

### **Credit Risk Retention**

Freddie Mac, as sponsor of this securitization transaction, will not retain risk pursuant to provisions of FHFA's Credit Risk Retention Rule (12 C.F.R. Part 1234) (the "Rule") because FHFA, as Conservator and in furtherance of the goals of the conservatorship, has determined to exercise authority under Section 1234.12(f)(3) of the Rule to sell or otherwise hedge the credit risk that Freddie Mac would be required to retain and has instructed Freddie Mac to take such action necessary to effect this outcome. Freddie Mac also will not rely on a third party purchaser to retain risk pursuant to the Rule, as may otherwise be permitted under Section 1234.7 (Commercial mortgage-backed securities). As a result, no party will retain risk with respect to this transaction in a form or an amount pursuant to the terms of the Rule. Although Freddie Mac will not be retaining risk pursuant to the Rule as a result of FHFA instructions, it may elect to retain, to the extent permitted by FHFA, some portion of the certificates.

### **Mortgage Loan Purchase and Servicing Standards of the Mortgage Loan Seller**

*General.* Any mortgage loans that Freddie Mac purchases must satisfy the mortgage loan purchase standards that are contained in the Freddie Mac Act. These standards require Freddie Mac to purchase mortgage loans of a quality, type and class that meet generally the purchase standards imposed by private institutional mortgage loan investors. This means the mortgage loans must be readily marketable to institutional mortgage loan investors.

*The Guide.* In addition to the standards in the Freddie Mac Act, which Freddie Mac cannot change, Freddie Mac has established its own multifamily mortgage loan purchase standards, appraisal guidelines and servicing policies and procedures. These are in Freddie Mac's Multifamily Seller/Servicer Guide which can be accessed by subscribers at [www.allregs.com](http://www.allregs.com) (the "Guide"). Forms of Freddie Mac's current loan documents can be found on Freddie Mac's website, <https://mf.freddiemac.com>. The master servicer, special servicer and any sub-servicer will be required to service the underlying mortgage loans other than REO Loans, REO Properties and Specially Serviced Mortgage Loans pursuant to, among other things, Freddie Mac Servicing Practices, including the Guide, as described in "The Pooling and Servicing Agreement—Servicing Under the Pooling and Servicing Agreement" in this information circular.

Freddie Mac may waive or modify its mortgage loan purchase standards and guidelines and servicing policies and procedures when it purchases any particular mortgage loan or afterward. We have described those changes in this information circular if we believe they will materially change the prepayment behavior of the underlying mortgage loans. Freddie Mac also reserves the right to change its mortgage loan purchase standards, credit, appraisal, underwriting guidelines and servicing policies and procedures at any time. This means that the underlying mortgage loans may not conform at any particular time to all of the provisions of the Guide or Freddie Mac's mortgage loan purchase documents.

Certain aspects of Freddie Mac's mortgage loan purchase and servicing guidelines are summarized below. However, this summary is qualified in its entirety by the Guide, any applicable mortgage loan purchase documents, any applicable servicing agreement and any applicable supplemental disclosure.

*Mortgage Loan Purchase Standards.* Freddie Mac uses mortgage loan information available to it to determine which mortgage loans it will purchase, the prices it will pay for mortgage loans, how to pool the mortgage loans it purchases and which mortgage loans it will retain in its portfolio. The information Freddie Mac uses varies over time, and may include:

- the loan-to-value and debt service coverage ratios of the mortgage loan;
- the strength of the market in which the mortgaged real property is located;
- the strength of the mortgaged real property's operations;
- the physical condition of the mortgaged real property;
- the financial strength of the borrower and its principals;
- the management experience and ability of the borrower and its principals or the property manager, as applicable; and
- Freddie Mac's evaluation of and experience with the seller of the mortgage loan.

To the extent allowed by the Freddie Mac Act, Freddie Mac has discretion to determine its mortgage loan purchase standards and whether the mortgage loans it purchases will be securitized or held in its portfolio.

*Eligible Sellers, Servicers and Warranties.* Freddie Mac approves sellers and servicers of mortgage loans based on a number of factors, including their financial condition, operational capability and mortgage loan origination and servicing experience. The seller or servicer of a mortgage loan need not be the originator of that mortgage loan.

In connection with its purchase of a mortgage loan, Freddie Mac relies on the representations and warranties of the seller with respect to certain matters, as is customary in the secondary market. These warranties cover such matters as:

- the accuracy of the information provided by the borrower;
- the accuracy and completeness of any third party reports prepared by a qualified professional;
- the validity of each mortgage as a first or junior lien, as applicable;
- the timely payments on each mortgage loan at the time of delivery to Freddie Mac;
- the physical condition of the mortgaged real property;
- the accuracy of rent schedules; and
- the originator's compliance with applicable state and federal laws.

*Mortgage Loan Servicing Policies and Procedures.* Freddie Mac generally supervises servicing of the mortgage loans according to its written policies, procedures and the Guide. Each servicer must diligently perform all services and duties customary to the servicing of multifamily mortgages and as required by Freddie Mac Servicing Practices, which includes the Guide. These include:

- collecting and posting payments on the mortgage loans;
- investigating delinquencies and defaults;
- analyzing and recommending any special borrower requests, such as requests for assumptions, subordinate financing and partial release;
- submitting monthly electronic remittance reports and annual financial statements obtained from borrowers;
- administering escrow accounts;

- inspecting properties;
- responding to inquiries of borrowers or government authorities; and
- collecting and administering insurance claims.

Servicers service the mortgage loans, either directly or through approved sub-servicers, and receive fees for their services. Freddie Mac monitors the servicer’s performance through periodic and special reports and inspections to ensure it complies with its obligations. A servicer may remit payments to Freddie Mac under various arrangements but these arrangements do not affect the timing of payments to investors. Freddie Mac invests those payments at its own risk and for its own benefit until it passes through the payments to investors. The master servicer and the special servicer will be required to service the underlying mortgage loans other than REO Loans, REO Properties and Specially Serviced Mortgage Loans pursuant to, among other things, the Guide, as described in “The Pooling and Servicing Agreement—Servicing Under the Pooling and Servicing Agreement” in this information circular.

## DESCRIPTION OF THE UNDERLYING MORTGAGE LOANS

### General

The assets of the issuing entity will consist primarily of 61 SOFR-based floating interest rate mortgage loans, secured by 61 multifamily properties, including 2 underlying mortgage loans secured by manufactured housing community properties that collectively represent 3.5% of the initial mortgage pool balance. Each underlying mortgage loan is secured by a mortgaged real property that consists of a single parcel or two or more contiguous or non-contiguous parcels, and we refer to such parcel or parcels collectively as the “mortgaged real property” securing such underlying mortgage loan. We refer to these loans that we intend to include in the issuing entity collectively in this information circular as the “underlying mortgage loans.” As used in this information circular, the term “underlying mortgage loan” refers to the mortgage loans that will be assets of the issuing entity, which will be in the form of whole mortgage loans or, in the case of the Non-Serviced Loan, a portion of the Non-Serviced Whole Loan that will be included in the issuing entity but not the related *pari passu* Non-Serviced Companion Loan. The underlying mortgage loans will have an initial total principal balance of approximately \$939,679,000 as of the Cut-off Date, subject to a variance of up to 5%, plus or minus. The Cut-off Date Principal Balance of any underlying mortgage loan is equal to its outstanding principal balance as of the Cut-off Date, after application of all monthly debt service payments due with respect to the underlying mortgage loan on or before that date, whether or not those payments were received. Exhibit A-1 shows the Cut-off Date Principal Balance of each underlying mortgage loan. See Exhibits A-1, A-2 and A-3 for additional statistical information on the underlying mortgage loans and the mortgage pool.

Each of the underlying mortgage loans is an obligation of the related borrower to repay a specified sum with interest. Each of the underlying mortgage loans is evidenced by one or more promissory notes and secured by a mortgage, deed of trust or other similar security instrument that creates a mortgage lien on the fee and/or leasehold interest of the related borrower or another party in one or more multifamily real properties. In all cases, that mortgage lien is a first priority lien subject to certain standard permitted encumbrances and/or any subordinate liens described in this information circular.

Except for certain nonrecourse carveouts, each of the underlying mortgage loans is a nonrecourse obligation of the related borrower. In the event of a payment default by the borrower, recourse will be limited to the corresponding mortgaged real property or properties for satisfaction of that borrower’s obligations. None of the underlying mortgage loans will be insured or guaranteed by Freddie Mac, any governmental entity or by any other person.

We provide in this information circular a variety of information regarding the underlying mortgage loans. When reviewing this information, please note that—

- All numerical information provided with respect to the underlying mortgage loans is provided on an approximate basis.
- All weighted average information provided with respect to the underlying mortgage loans reflects a weighting based on their respective Cut-off Date Principal Balances.

- In calculating the respective Cut-off Date Principal Balances of the underlying mortgage loans, we have assumed that—
  1. all scheduled payments of principal and/or interest due on the underlying mortgage loans on or before the Cut-off Date are timely made; and
  2. there are no prepayments or other unscheduled collections of principal with respect to any underlying mortgage loan during the period from its due date in June 2021 up to and including the Cut-off Date.
- When information with respect to mortgaged real properties is expressed as a percentage of the initial mortgage pool balance, the percentages are based on the Cut-off Date Principal Balances of the related underlying mortgage loans.
- If an underlying mortgage loan is secured by a mortgaged real property consisting of multiple parcels of real property, we treat those parcels as a single mortgaged real property.
- Unless otherwise indicated, with respect to the Non-Serviced Loan, all loan-to-value ratios, debt service coverage ratios and Cut-off Date Principal Balance per unit calculations include the Non-Serviced Companion Loan.
- 3 groups of underlying mortgage loans (each, a “Crossed Loan Group”), collectively representing 4.6%, 3.7% and 2.6%, respectively, of the initial mortgage pool balance, are made up of underlying mortgage loans that are cross-collateralized and cross-defaulted with each other underlying mortgage loan in such group. Unless otherwise indicated, we present the information regarding the underlying mortgage loans in a Crossed Loan Group as separate underlying mortgage loans. However, each underlying mortgage loan in a Crossed Loan Group is treated as having the same Cut-off Date Loan-to-Value Ratio, Maturity Loan-to-Value Ratio, Cut-off Date Balance/Unit and historical and Underwritten Debt Service Coverage Ratios as the related Crossed Loan Group as a whole. These ratios, except for the Cut-off Date Balance/Unit, reflect, in each case, a weighted average of the respective individual ratio for each underlying mortgage loan in the related Crossed Loan Group, weighted based on the Cut-off Date Principal Balance for such underlying mortgage loan relative to the aggregate Cut-off Date Principal Balance for all of the underlying mortgage loans in the related Crossed Loan Group. The Cut-off Date Balance/Unit for the underlying mortgage loans in a Crossed Loan Group is based on the aggregate Cut-off Date Principal Balance for all of the underlying mortgage loans in the related Crossed Loan Group and the aggregate Total Units of all of the mortgaged real properties securing such underlying mortgage loans. Other than with respect to the underlying mortgage loans in a Crossed Loan Group and the Non-Serviced Loan, none of the underlying mortgage loans is cross-collateralized or cross-defaulted with any other underlying mortgage loan or any mortgage loan that is not in the issuing entity.
- Whenever we refer to a particular mortgaged real property by name, we mean the mortgaged real property identified by that name on Exhibit A-1. Whenever we refer to a particular underlying mortgage loan by name, we mean the underlying mortgage loan secured by the mortgaged real property identified by that name on Exhibit A-1.
- Statistical information regarding the underlying mortgage loans may change prior to the Closing Date due to changes in the composition of the mortgage pool prior to that date.

**Cross-Collateralized Underlying Mortgage Loans and Underlying Mortgage Loans Made to the Same Borrower or Borrowers Under Common Ownership**

The mortgage pool will include 8 groups of underlying mortgage loans that were made to the same borrower or separate borrowers under common ownership, including 3 Crossed Loan Groups. The table below shows each group of underlying mortgage loans that has the same borrower or borrowers under common ownership:

<b>Loan Name</b>	<b>Cut-off Date Principal Balance</b>	<b>% of Initial Mortgage Pool Balance<sup>(1)</sup></b>
Thymewood <sup>(3)</sup> .....	\$ 16,264,000	1.7%
Astorwood <sup>(2)</sup> .....	7,593,000	0.8
Dogwood Glen <sup>(4)</sup> .....	7,342,000	0.8
Rivers End <sup>(3)</sup> .....	7,220,000	0.8
Apple Ridge <sup>(2)</sup> .....	6,864,000	0.7
Ridgewood Court <sup>(2)</sup> .....	6,515,000	0.7
Palm Place <sup>(2)</sup> .....	6,288,000	0.7
Summit Center <sup>(2)</sup> .....	5,923,000	0.6
Ridgewood - Indiana.....	5,757,000	0.6
Pine Barrens <sup>(2)</sup> .....	5,559,000	0.6
Heathmoore - Indianapolis.....	5,516,000	0.6
Amhurst <sup>(4)</sup> .....	5,032,000	0.5
Elmtree Park <sup>(4)</sup> .....	4,692,000	0.5
Sherbrook <sup>(2)</sup> .....	4,562,000	0.5
Windrush.....	4,006,000	0.4
Willowood.....	3,779,000	0.4
Pine Meadows.....	3,692,000	0.4
Meadowood <sup>(3)</sup> .....	3,603,000	0.4
Heronwood.....	3,587,000	0.4
Bridgepoint <sup>(3)</sup> .....	3,436,000	0.4
Waterbury.....	3,346,000	0.4
Lindendale <sup>(4)</sup> .....	3,298,000	0.4
Mulberry <sup>(4)</sup> .....	2,658,000	0.3
Willow Run.....	2,499,000	0.3
Stonehenge <sup>(3)</sup> .....	2,417,000	0.3
Princeton Court.....	2,134,000	0.2
Charing Cross.....	2,056,000	0.2
Parkville <sup>(4)</sup> .....	1,734,000	0.2
Northwood <sup>(3)</sup> .....	1,668,000	0.2
Hartwick.....	1,216,000	0.1
<b>Total .....</b>	<b>\$140,256,000</b>	<b>14.9%</b>
4 Corners Apartments.....	\$41,697,000	4.4%
Pine Creek Ranch Apartments.....	25,480,000	2.7
<b>Total .....</b>	<b>\$67,177,000</b>	<b>7.1%</b>
Timber Hollow Apartments.....	\$30,788,000	3.3%
Park At Oak Ridge.....	17,600,000	1.9
<b>Total .....</b>	<b>\$48,388,000</b>	<b>5.1%</b>
Oaks At Holcomb Bridge Apartment Homes.....	\$32,725,000	3.5%
Metro 7000.....	13,931,000	1.5
<b>Total .....</b>	<b>\$46,656,000</b>	<b>5.0%</b>

<b>Loan Name</b>	<b>Cut-off Date Principal Balance</b>	<b>% of Initial Mortgage Pool Balance<sup>(1)</sup></b>
Encore 281 .....	\$21,450,000	2.3%
Azul Apartment Homes .....	20,700,000	2.2
<b>Total .....</b>	<b>\$42,150,000</b>	<b>4.5%</b>
Longhaven Estates MHC .....	\$21,500,000	2.3%
Tradewinds MHC .....	11,546,000	1.2
<b>Total .....</b>	<b>\$33,046,000</b>	<b>3.5%</b>
Woodhollow Apartments .....	\$14,100,000	1.5%
The Bromley .....	6,765,000	0.7
<b>Total .....</b>	<b>\$20,865,000</b>	<b>2.2%</b>
Pinnacle Place Apartments .....	\$ 8,370,000	0.9%
Oakview Place Apartment Homes .....	8,100,000	0.9
<b>Total .....</b>	<b>\$16,470,000</b>	<b>1.8%</b>

- (1) Amounts may not add up to the totals shown due to rounding.
- (2) Underlying mortgage loans are in the Crossed Loan Group identified as “Group 1” under the column heading “Crossed Loans” on Exhibit A-1.
- (3) Underlying mortgage loans are in the Crossed Loan Group identified as “Group 2” under the column heading “Crossed Loans” on Exhibit A-1.
- (4) Underlying mortgage loans are in the Crossed Loan Group identified as “Group 3” under the column heading “Crossed Loans” on Exhibit A-1.

The mortgage pool will include 3 Crossed Loan Groups, as indicated in the table above. Each underlying mortgage loan in a Crossed Loan Group is cross-collateralized by the mortgaged real properties securing other underlying mortgage loans in such Crossed Loan Group. However, because certain states exact a mortgage recording or documentary stamp tax based on the principal amount of debt secured by a mortgage, the amount of the mortgage lien encumbering any particular mortgaged real property in a Crossed Loan Group may be less than the aggregate principal balance of the underlying mortgage loans comprising such Crossed Loan Group, generally to minimize recording tax. For the same reason, the mortgage amount may equal the appraised value or allocated loan amount for the particular mortgaged real property rather than the entire original principal balance of a Crossed Loan Group. This would limit the extent to which proceeds from that mortgaged real property would be available to offset declines in the value of a Crossed Loan Group.

#### **Certain Terms and Conditions of the Underlying Mortgage Loans**

*Due Dates.* Subject, in some cases, to a next business day convention, monthly installments of principal and/or interest will be due on the first of the month with respect to each of the underlying mortgage loans.

*Mortgage Interest Rates; Calculations of Interest.* Each of the underlying mortgage loans bears interest at a mortgage interest rate that, in the absence of default or modification, is a floating rate based on SOFR plus a margin. On each SOFR Determination Date, SOFR on each underlying mortgage loan will be determined for the related Interest Accrual Period, and the mortgage interest rate for such underlying mortgage loan will be reset as of the beginning of such Interest Accrual Period to SOFR determined on such SOFR Determination Date plus the margin applicable to such underlying mortgage loan (*provided* that if SOFR is determined to be below zero, the interest rates on the underlying mortgage loans will be equal to their margins), subject to rounding as set forth in the related loan documents.

“Compounded SOFR” means the compounded average of the Secured Overnight Financing Rate over a rolling 30-calendar day period as such rate is currently identified on the website of the Federal Reserve Bank of New York, currently at <https://apps.newyorkfed.org/markets/autorates/sofr-avg-ind>, or at such other page as may replace such page on the website of the Federal Reserve Bank of New York as “30-Day Average SOFR.”

“SOFR” means, for any Interest Accrual Period, the SOFR Rate as determined on the related SOFR Determination Date; *provided, however*, that in the event SOFR with respect to any Interest Accrual Period is less than zero, SOFR for such Interest Accrual Period will be deemed to be zero for the certificates and the underlying mortgage loans. SOFR will be 0.02733% *per annum* for the Interest Accrual Period relating to (i) the first due date after the Cut-off Date for the underlying mortgage loans and (ii) the first distribution date for the class AS and CS certificates. With respect to each SOFR Determination Date, the value of SOFR for the underlying mortgage loans will be determined by the master servicer and the value of SOFR for the certificates will be determined by the Calculation Agent. In the event of a discrepancy between the value of SOFR determined by the Calculation Agent and the value of SOFR determined by the master servicer on any SOFR Determination Date, SOFR for the related Interest Accrual Period for the underlying mortgage loans and the related Interest Accrual Period for the certificates will equal the value of SOFR determined by the master servicer.

“SOFR Adjustment Conforming Changes” means with respect to the SOFR Rate any technical, administrative or operational changes (including changes to the timing and frequency of determining rates and making payments of interest, rounding of amounts or tenors, and other administrative matters) that Freddie Mac decides, from time to time, may be appropriate to adjust such SOFR Rate in a manner substantially consistent with or conforming to market practice (or, if Freddie Mac decides that adoption of any portion of such market practice is not administratively feasible or if Freddie Mac determines that no market practice exists, in such other manner as Freddie Mac determines is reasonably necessary).

“SOFR Business Day” means a business day determined in accordance with the SOFR publication calendar of the Federal Reserve Bank of New York.

“SOFR Determination Date” means, with respect to any Interest Accrual Period and (i) any underlying mortgage loan, (a) if the SOFR Rate is Compounded SOFR, 3:00 p.m. (New York time) on the U.S. Government Securities Business Day most recently preceding the beginning of such Interest Accrual Period, (b) if Compounded SOFR does not so appear on such day, 3:00 p.m. (New York time) on the first preceding U.S. Government Securities Business Day for which such rate was published by the SOFR Index Source, or (c) if the SOFR Rate is Term SOFR, the date and time determined by Freddie Mac in accordance with the SOFR Adjustment Conforming Changes, and (ii) any class AS or CS certificate, the last SOFR Business Day in the month preceding the month in which the applicable Interest Accrual Period begins; *provided* that if the SOFR Rate is not published on such SOFR Business Day, the SOFR Rate with respect to the related Interest Accrual Period will be the SOFR Rate published on the last SOFR Business Day preceding such SOFR Determination Date for which such SOFR Rate was published.

“SOFR Index Source” means (i) if the SOFR Rate is Compounded SOFR, the website of the Federal Reserve Bank of New York, currently at <https://apps.newyorkfed.org/markets/autorates/sofr-avg-ind>, or at such other page as may replace such page on the website of the Federal Reserve Bank of New York website, (ii) if the SOFR Rate is Term SOFR, such source as selected by Freddie Mac in accordance with the SOFR Adjustment Conforming Changes, and (iii) if the then-current SOFR Index Source ceases to publish the SOFR Rate, such other source selected by Freddie Mac in its sole discretion.

“SOFR Rate” means (i) initially, Compounded SOFR (or the Alternate Index, if applicable) and (ii) subsequently, commencing on the Term SOFR Transition Date, Term SOFR (or the Alternate Index, if applicable).

“Term SOFR” means the forward-looking term rate with a tenor of approximately one calendar month based on the Secured Overnight Financing Rate that is selected or recommended by the Relevant Governmental Body, and may initially be increased or decreased by a spread adjustment value that is either (i) set or recommended by the Relevant Governmental Body for such term rate or (ii) determined in accordance with the methodology endorsed by the Relevant Governmental Body for such term rate.

“Term SOFR Transition” means the transition of the SOFR Rate from Compounded SOFR to Term SOFR.

“Term SOFR Transition Date” means the date on which the Term SOFR Transition occurs, which will be the date Freddie Mac determines in its sole discretion that the Term SOFR Transition will be operationally, administratively and technically feasible, provided that the Term SOFR Transition may occur only if such transition will not cause an Adverse Tax Event.

None of the underlying mortgage loans provides for negative amortization or for the deferral of interest. All of the underlying mortgage loans accrue interest on an Actual/360 Basis.

*Conversion to Alternate Index.* The loan documents for all of the underlying mortgage loans provide that such underlying mortgage loans will convert from an interest rate based on SOFR to an interest rate based on an Alternate Index if a Loan Index Conversion Event occurs.

“Alternate Index” means

- with respect to any underlying mortgage loan, the first alternative set forth in the following order that can be determined by Freddie Mac as of the related Alternate Index Replacement Date: (i) the sum of: (a) the alternate rate of interest that has been selected or recommended by the Relevant Governmental Body as the replacement for the then-current Index and (b) the related Adjustment Factor; (ii) the sum of: (a) the ISDA Fallback Rate and (b) the related Adjustment Factor; or (iii) the sum of: (a) the alternate rate of interest that has been selected by Freddie Mac as the replacement for the then-current SOFR Rate giving due consideration to any industry-accepted rate of interest as a replacement for the then-current SOFR Rate for U.S. dollar-denominated floating rate securities at such time and (b) the related Adjustment Factor. In the event the Alternate Index for any underlying mortgage loan with respect to any Interest Accrual Period is less than zero, the Alternate Index for such underlying mortgage loan for such Interest Accrual Period will be deemed to be zero.
- with respect to the certificates, an alternate, substitute or successor index to the then-current Index selected by Freddie Mac in its sole discretion (which alternate, substitute or successor index may be adjusted by Freddie Mac in its sole discretion using an Adjustment Factor to reflect a value comparable to such Index being replaced), taking into consideration (i) any alternate, substitute or successor index to the then-current Index that has been selected, endorsed or recommended by the commercial real estate finance industry or ISDA, (ii) the Alternate Index for each underlying mortgage loan and (iii) the degree of availability or obtainability of such Alternate Index. In the event the Alternate Index for the certificates with respect to any Interest Accrual Period is less than zero, the Alternate Index for the certificates for such Interest Accrual Period will be deemed to be zero.

Once the Index has been replaced with an Alternate Index, an Alternate Index will not again be determined or designated unless another Loan Index Conversion Event or Certificate Index Conversion Event subsequently occurs.

“Index” means, (i) with respect to any underlying mortgage loan, as of the Closing Date, SOFR; thereafter, upon the occurrence of a Loan Index Conversion Event, any successor Alternate Index and (ii) with respect to any class of certificates, as of the Closing Date, SOFR; thereafter, upon the occurrence of a Certificate Index Conversion Event, any successor Alternate Index.

“Loan Index Conversion Event” means, with respect to any underlying mortgage loan, any of the following events with respect to the then-current Index (including the daily published component used in the calculation thereof): (i) a public statement or publication of information by or on behalf of the administrator of SOFR (or such component) announcing that such administrator has ceased or will cease to provide SOFR (or such component), permanently or indefinitely, provided that, at the time of such statement or publication, there is no successor administrator that will continue to provide SOFR (or such component), (ii) a public statement or publication of information by the regulatory supervisor for the administrator of SOFR (or such component), the central bank for the currency of SOFR (or such component), an insolvency official with jurisdiction over the administrator for SOFR (or such component), a resolution authority with jurisdiction over the administrator for SOFR (or such component) or a court or an entity with similar insolvency or resolution authority over the administrator for SOFR, which states that the administrator of SOFR (or such component) has ceased or will cease to provide SOFR (or such component) permanently or indefinitely, provided that, at the time of such statement or publication, there is no successor administrator that will continue to provide SOFR (or such component), or (iii) a public statement or publication of information by the regulatory supervisor for the administrator of SOFR announcing that SOFR is no longer representative.

*Interest Rate Cap Agreements.* All of the underlying mortgage loans have the benefit of Interest Rate Cap Agreements that are currently in place. With respect to all of the underlying mortgage loans, the index cap strike rates under the related Interest Rate Cap Agreements are based on Compounded SOFR. With respect to 59 of the

underlying mortgage loans, collectively representing 92.8% of the initial mortgage pool balance, the index cap strike rates under the related Interest Rate Cap Agreements are fixed and range from 0.500% to 4.850%, and each such index cap strike rate is equal to or less than the index cap strike rate required by the terms of the related loan documents. With respect to 1 underlying mortgage loan, representing 5.4% of the initial mortgage pool balance, the index cap strike rate is 0.750% initially (which is less than the index cap strike rate required by the terms of the related loan documents), and increases thereafter to a maximum index cap strike rate of 1.750% (which is less than the index cap strike rate required by the terms of the related loan documents). With respect to 1 of the underlying mortgage loans, representing 1.8% of the initial mortgage pool balance, the index cap strike rate is 0.500% initially (which is below the index cap strike rate required by the terms of the related loan documents) and increases thereafter to a maximum index cap strike rate of 2.000% (which is less than the index cap strike rate required by the terms of the related loan documents). With respect to all of the underlying mortgage loans that have Interest Rate Cap Agreements currently in place, the Interest Rate Cap Agreements expire prior to the maturity date of the related underlying mortgage loan, but the related loan documents obligate the applicable borrower to obtain a new interest rate cap agreement. Certain information about the interest rate cap providers is provided in the table below.

Interest Rate Cap Provider	Number of Underlying Mortgage Loans	% of Initial Mortgage Pool Balance <sup>(1)</sup>	Long-term Senior Unsecured Debt Rating		
			Moody's	S&P	Fitch
SMBC Capital Markets, Inc.....	58	94.4%	A1	NR	NR
U.S. Bank National Association .....	3	5.6	A1	A+	A+
<b>Total</b> .....	<b>61</b>	<b>100.0%</b>			

(1) Amounts may not add up to the total shown due to rounding.

The Interest Rate Cap Agreements require the applicable interest rate cap provider to pay to the borrower the difference between (x) the payment calculated at Compounded SOFR and (y) the payment calculated at the applicable index cap strike rate, if Compounded SOFR exceeds such index cap strike rate for a particular interest accrual period. The borrowers' rights under the Interest Rate Cap Agreements have been collaterally assigned to secure the related underlying mortgage loans. With respect to all of the underlying mortgage loans, the related Interest Rate Cap Agreements expire prior to the maturity date of the related underlying mortgage loans, but the related loan documents obligate the applicable borrower to obtain a new interest rate cap agreement or to extend or replace the existing Interest Rate Cap Agreement.

*Term to Maturity.* All of the underlying mortgage loans had initial terms to maturity of 120 months.

*Balloon Loans.* All of the underlying mortgage loans are Balloon Loans and of those underlying mortgage loans that have amortization schedules, each such schedule is significantly longer than the actual term of the underlying mortgage loan, resulting in a substantial balloon payment of principal due at maturity.

*Additional Amortization Considerations.* 6 of the underlying mortgage loans, collectively representing 9.9% of the initial mortgage pool balance, provide for an initial interest-only period of 36 months, followed by an amortization period for the balance of the loan term.

4 of the underlying mortgage loans, collectively representing 4.2% of the initial mortgage pool balance, provide for an initial interest-only period of 48 months, followed by an amortization period for the balance of the loan term.

50 of the underlying mortgage loans, collectively representing 75.0% of the initial mortgage pool balance, provide for an initial interest-only period of 60 months, followed by an amortization period for the balance of the loan term.

1 of the underlying mortgage loans, representing 10.9% of the initial mortgage pool balance, is interest-only until maturity.

None of the underlying mortgage loans is scheduled to fully amortize during the loan term

*Prepayment Provisions.* As of origination, all of the underlying mortgage loans provided for certain restrictions and/or requirements with respect to prepayments during some portion of their respective loan terms. The relevant restrictions and requirements will generally consist of the following:

- 49 of the underlying mortgage loans, collectively representing 85.1% of the initial mortgage pool balance, provide for –
  1. a prepayment lockout period during which voluntary principal prepayments are prohibited, followed by;
  2. one or more prepayment consideration periods during which voluntary principal prepayments must be accompanied by a Static Prepayment Premium, followed by;
  3. an open prepayment period prior to maturity during which voluntary principal prepayments may be made without payment of any prepayment consideration.
- 12 of the underlying mortgage loans, collectively representing 14.9% of the initial mortgage pool balance, provide for –
  1. one or more prepayment consideration periods during which voluntary principal prepayments are restricted by requiring that any voluntary principal prepayment made be accompanied by a Static Prepayment Premium, followed by;
  2. an open prepayment period prior to maturity during which voluntary principal prepayments may be made without payment of any prepayment consideration.

The open prepayment period for each underlying mortgage loan will begin 3 months prior to the month in which such underlying mortgage loan matures. However, certificateholders representing a majority, by outstanding notional amount, of the class XS certificates will have the right, in their sole discretion, to direct the master servicer or the special servicer, as applicable, to waive any obligation of the related borrower to pay a Static Prepayment Premium in connection with any prepayment of any underlying mortgage loan. In addition, with respect to all of the underlying mortgage loans that have prepayment consideration periods during which voluntary principal prepayments must be accompanied by a Static Prepayment Premium, the loan documents set out a period of time during which each borrower may prepay its entire related underlying mortgage loan without payment of a Static Prepayment Premium, if such underlying mortgage loan is prepaid using the proceeds of certain types of Freddie Mac mortgage loans that are the subject of a binding purchase commitment between Freddie Mac and a Freddie Mac Optigo® Seller/Servicer.

Exhibit A-1 more particularly describes the prepayment terms of the underlying mortgage loans.

**Casualty and Condemnation.** In the event of a casualty at any mortgaged real property or the taking of any mortgaged real property by exercise of the power of eminent domain or condemnation, the lender may, at the lender’s discretion, hold any insurance or condemnation proceeds to reimburse the borrower for the cost of restoring the mortgaged real property or apply such proceeds to the repayment of debt. Prepayments due to casualty will not require payment of any prepayment premium. Prepayments due to condemnation will not require payment of any prepayment premium unless the related underlying mortgage loan or the Non-Serviced Whole Loan was originated after January 1, 2020 (or December 5, 2019 in the case of a mortgaged real property located in King County, Washington) and either (1) such condemnation is intended to result in the continued use of the mortgaged real property subject to such condemnation for residential purposes, or (2) applicable law expressly requires or permits that the condemning authority or acquiring entity reimburse prepayment premiums incurred in connection with a prepayment occurring as a result of a condemnation. In the case of a condemnation under clause (1) or (2) above, a prepayment premium (“Condemnation Prepayment Premium”) will be due to the extent permitted by applicable law.

**Lockboxes.** None of the underlying mortgage loans provides for any lockbox with springing cash management.

**Escrow and Reserve Accounts.** Most of the underlying mortgage loans provide for the establishment of escrow and/or reserve accounts for the purpose of holding amounts required to be on deposit as reserves for—

- taxes and insurance;
- capital improvements; and/or
- various other purposes.

As of the Closing Date, these accounts will be under the sole control of the master servicer or an approved sub-servicer. Most of the underlying mortgage loans that provide for such accounts require that the accounts be funded out of monthly escrow and/or reserve payments by the related borrower. Any escrow or reserve accounts may be used to prepay the underlying mortgage loans in accordance with the loan documents upon the occurrence of certain events, including, among other things, the failure to satisfy certain conditions related to such escrow or reserve accounts or an event of default.

Tax Escrows. In the case of 59 of the underlying mortgage loans, collectively representing 93.4% of the initial mortgage pool balance, escrows were funded or will be funded for taxes. The related borrower is generally required to deposit on a monthly basis an amount equal to one-twelfth of the annual real estate taxes and assessments. In the case of 1 of the underlying mortgage loans, representing 5.1% of the initial mortgage pool balance, initial or monthly escrows for annual real estate taxes and assessments were not required at origination but may be required in the future subject to certain conditions set forth in the related loan documents. If an escrow was funded or is funded in the future, the funds will be applied by the master servicer to pay for annual real estate taxes and assessments at the related mortgaged real property.

In the case of 1 of the underlying mortgage loans, representing 1.6% of the initial mortgage pool balance, no tax escrow was funded because the mortgage loan seller did not deem it necessary.

Insurance Escrows. In the case of 29 of the underlying mortgage loans, collectively representing 73.6% of the initial mortgage pool balance, escrows were funded or will be funded for insurance premiums. The related borrower is generally required to deposit on a monthly basis an amount equal to one-twelfth of the annual premiums payable on insurance policies that the borrower is required to maintain. In the case of 32 of the underlying mortgage loans, collectively representing 26.4% of the initial mortgage pool balance, initial or monthly escrows for insurance premiums were not required at origination but may be required in the future subject to certain conditions set forth in the related loan documents. If an escrow was funded or is funded in the future, the funds will be applied by the master servicer to pay for insurance premiums at the related mortgaged real property.

Under some of the other underlying mortgage loans, the insurance carried by the related borrower may be in the form of a blanket policy. In these cases, the amount of the escrow is an estimate of the proportional share of the premium allocable to the mortgaged real property, or the borrower pays the premium directly. See “—Property Damage, Liability and Other Insurance” below.

Recurring Replacement Reserves. The column titled “Replacement Reserve (Monthly)” on Exhibit A-1 shows for each applicable underlying mortgage loan the reserve deposits that the related borrower has been or is required to make into a separate account for capital replacements and repairs.

In the case of some of the mortgaged real properties, those reserve deposits are initial amounts and may vary over time. In these cases, the related mortgage instrument and/or other related loan documents may provide for applicable reserve deposits to cease upon achieving predetermined maximum amounts in the related reserve account. Under some of the underlying mortgage loans, the related borrowers may be permitted to deliver letters of credit from third parties in lieu of establishing and funding the reserve accounts or may substitute letters of credit and obtain release of established reserve accounts.

Engineering/Deferred Maintenance Reserves. The column titled “Engineering Reserve/Deferred Maintenance” on Exhibit A-1 shows the engineering reserves established at the origination of the corresponding underlying mortgage loans for repairs and/or deferred maintenance items that are generally required to be corrected within 12 months from origination. In certain cases, the engineering reserve for a mortgaged real property may be less than the cost estimate in the related inspection report because—

- the mortgage loan seller may not have considered various items identified in the related inspection report significant enough to require a reserve; and/or
- various items identified in the related inspection report may have been corrected.

In the case of some of the mortgaged real properties securing the underlying mortgage loans, the engineering reserve was a significant amount and substantially in excess of the cost estimate set forth in the related inspection report because the mortgage loan seller required the borrower to establish reserves for the completion of major work

that had been commenced. In the case of some mortgaged real properties acquired with the proceeds of the related underlying mortgage loan, the related borrower escrowed an amount substantially in excess of the cost estimate set forth in the related inspection report because it contemplated completing repairs in addition to those shown in the related inspection report. Not all engineering reserves are required to be replenished.

Green Improvements. Certain underlying mortgage loans identified on Exhibit A-1 under the column titled “Green Advantage” were underwritten in accordance with Freddie Mac’s Green Up<sup>®</sup> or Green Up Plus<sup>®</sup> programs. Such underlying mortgage loans were underwritten assuming that a borrower will make certain energy and/or water/sewer improvements to a mortgaged real property generally within 2 years after origination of the underlying mortgage loan with the lender typically requiring the borrower to escrow 125% of the cost to complete such capital improvements. The related Originator will underwrite up to 50%, with respect to the Green Up<sup>®</sup> program, or 75%, with respect to the Green Up Plus<sup>®</sup> program, of the projected energy and/or water/sewer cost savings resulting from such improvements based on a Green Assessment or Green Assessment Plus, respectively. We cannot assure you that the related borrowers will complete any such capital improvements or realize any such projected cost savings.

COVID-19 Debt Service Reserve. With respect to 46 of the underlying mortgage loans identified on Exhibit A-1, collectively representing 49.8% of the initial mortgage pool balance, each of the borrowers established a debt service reserve at origination in order to ensure that adequate funds are available for payment of any deficit on the monthly debt service payment (the “COVID-19 Debt Service Reserve”). As discussed below, a number of COVID-19 Debt Service Reserves either have already been released to the related borrowers or are the subject of pending requests for release as to which the conditions for release are expected to be satisfied. With respect to 2 of the underlying mortgage loans identified on Exhibit A-1, collectively representing 5.1% of the initial mortgage pool balance, the related borrowers are required to deposit additional funds into the related COVID-19 Debt Service Reserve if the funds in such reserve are below a certain threshold amount. Pursuant to the related loan agreement, if the borrower fails to collect a predetermined amount of rent in a given month, such borrower may request a disbursement from the COVID-19 Debt Service Reserve and such disbursement will be applied by the lender to pay the deficit in the monthly debt service payment then due on the related underlying mortgage loan. Each of the underlying mortgage loans with a COVID-19 Debt Service Reserve provides that either (i) during any forbearance period, the borrower will not be entitled to request that the lender apply disbursements from the COVID-19 Debt Service Reserve and following the forbearance period, disbursements from the COVID-19 Debt Service Reserve may only be used for the payment of the then-current monthly payment, which will not include any additional obligations of the borrower as a result of payments accruing during the forbearance period or (ii) for so long as an amount sufficient to pay in full the next monthly debt service payment remains in the related COVID-19 Debt Service Reserve, the borrower may not assert or establish a hardship in any attempts it might make to qualify for any forbearance option related to COVID-19 offered by the lender or available under federal law. In addition, upon an event of default with respect to the underlying mortgage loan (in certain cases, other than an event of default that will be cured by the making of a requested disbursement from the COVID-19 Debt Service Reserve), the lender may make additional disbursements from the COVID-19 Debt Service Reserve in the lender’s discretion, including applying amounts to prepay the outstanding principal balance of the related underlying mortgage loan. The related borrower may be required to pay a Static Prepayment Premium in the event of such prepayment in accordance with the related promissory note.

If not sooner terminated by written agreement between the borrower and lender, the COVID-19 Debt Service Reserve will terminate upon the satisfaction of certain conditions, including but not limited to: (a) the borrower submitting to the lender a written request to terminate the COVID-19 Debt Service Reserve; (b) either (1) the borrower certifying to the lender, which certification will be subject to confirmation by the lender, that it has been at least 90 days following the lifting of all federal, state and local state of emergency declarations, shelter in place orders or similar governmental actions related to COVID-19 affecting the jurisdiction in which the related mortgaged real property is located or (2) with respect to student housing or seniors housing only, a period of at least 12 months after the origination date of the underlying mortgage loan has passed; (c) the lender receiving, in accordance with the related loan agreement, rent schedules and operating statements and/or other evidence satisfactory to the lender that demonstrates that the mortgaged real property has achieved an average collection of rent equal to or greater than a predetermined threshold; (d) there is no event of default and no condition exists which, but for the passage of time or the giving of notice, or both, would constitute such an event of default pursuant to the related loan agreement; and (e) with respect to any underlying mortgage loan agreements that deferred property inspections, repairs and/or

replacements at origination in connection with COVID-19: (i) all such deferred property inspections have been completed in accordance with the lender's requirements and the terms of the related loan agreement; (ii) the lender has received all deferred property reports when they become available (which may occur after the termination of the COVID-19 Debt Service Reserve) and (iii) the related borrower has paid the costs of all such deferred property inspections and property reports and made any required deposit for repairs or replacements deemed necessary by the lender (such repairs or replacements, the "Deferred Property Replacements") following the completion of such deferred property inspection and the receipt and review of such deferred property report. Within 30 days after the lender determines such conditions have been satisfied, the lender will pay to the borrower all funds remaining in the COVID-19 Debt Service Reserve; *provided* that if the lender determines it does not hold sufficient funds for the Deferred Property Replacements, for repairs in any related repair reserve fund or for replacements in any related replacement reserve fund, any remaining funds in the COVID-19 Debt Service Reserve will be transferred for use for such Deferred Property Replacements, repairs or replacements, as determined by lender. In addition, with respect to certain underlying mortgage loans, if there are any outstanding amounts owed pursuant to a forbearance agreement, any remaining funds in the COVID-19 Debt Service Reserve may be applied to such outstanding forbearance amounts in the lender's discretion. With respect to 17 of the underlying mortgage loans, collectively representing 8.5% of the initial mortgage pool balance, each COVID-19 Debt Service Reserve has been released to the related borrower. The borrowers with respect to an additional 13 of the underlying mortgage loans, collectively representing 6.4% of the initial mortgage pool balance, have requested the release of their COVID-19 Debt Service Reserves and such requests are likely to be approved based upon the satisfaction of the required conditions.

*Release of Property Through Prepayment.* All of the underlying mortgage loans permit the related borrower to obtain the release of all of the real property securing the related underlying mortgage loan after the lockout period, if any, upon the prepayment of such underlying mortgage loan in full, together with the payment of a Static Prepayment Premium, as described in "—Prepayment Provisions" above.

*Other Permitted Releases.* With respect to the underlying mortgage loans secured by the mortgaged real properties identified on Exhibit A-1 as "Astorwood," "Apple Ridge," "Ridgewood Court," "Palm Place," "Summit Center," "Pine Barrens" and "Sherbrook," collectively representing 4.6% of the initial mortgage pool balance, such underlying mortgage loans are cross-collateralized and cross-defaulted with one another pursuant to a cross-collateralization agreement, dated as of April 29, 2021. Pursuant to the cross-collateralization agreement, the related borrower is permitted to obtain the release of a mortgaged real property and the related underlying mortgage loan from the cross-collateralization agreement at any time (i) after the one-year anniversary of the origination date and expiration of the lockout period and (ii) prior to the 6-month period preceding the maturity date upon the satisfaction of certain conditions set forth in the related loan documents. Such conditions include, but are not limited to: (i) the lender receives from the borrower at least 60 days' prior written notice of the date of the proposed release; (ii) the borrower pays to the lender a \$15,000 administrative fee; (iii) no event of default has occurred and no event or circumstance exists on the release date that, with the giving of notice or the passage of time or both, would constitute an event of default; (iv) the borrower pays to the lender an amount equal to the outstanding principal balance of the underlying mortgage loan secured by the released property, *plus* any interest or applicable prepayment premium due; (v) the borrower pays to the lender all of the lender's costs and expenses in connection with the release; (vi) the aggregate debt service coverage ratio for the remaining properties is not less than the aggregate debt service coverage ratio of the crossed group immediately prior to the release; (vii) the aggregate loan-to-value ratio for the remaining properties does not exceed the aggregate loan-to-value ratio of the crossed group immediately prior to the release; (viii) immediately after the release, the aggregate loan-to-value ratio of the remaining properties does not exceed 125% and (ix) unless waived by the lender, the borrower provides an opinion of counsel that the release will comply with REMIC rules.

In addition, with respect to the underlying mortgage loans secured by the mortgaged real properties identified on Exhibit A-1 as "Thymewood," "Rivers End," "Meadowood," "Bridgepoint," "Stonehenge" and "Northwood," collectively representing 3.7% of the initial mortgage pool balance, such underlying mortgage loans are cross-collateralized and cross-defaulted with one another pursuant to a cross-collateralization agreement, dated as of April 29, 2021. Pursuant to the cross-collateralization agreement, the related borrower is permitted to obtain the release of a mortgaged real property and the related underlying mortgage loan from the cross-collateralization agreement at any time (i) after the one-year anniversary of the origination date and expiration of the lockout period and (ii) prior to the 6-month period preceding the maturity date upon the satisfaction of certain conditions set forth in the related loan documents. Such conditions include, but are not limited to: (i) the lender receives from the borrower at least 60

days' prior written notice of the date of the proposed release; (ii) the borrower pays to the lender a \$15,000 administrative fee; (iii) no event of default has occurred and no event or circumstance exists on the release date that, with the giving of notice or the passage of time or both, would constitute an event of default; (iv) the borrower pays to the lender an amount equal to the outstanding principal balance of the underlying mortgage loan secured by the released property, *plus* any interest or applicable prepayment premium due; (v) the borrower pays to the lender all of the lender's costs and expenses in connection with the release; (vi) the aggregate debt service coverage ratio for the remaining properties is not less than the aggregate debt service coverage ratio of the crossed group immediately prior to the release; (vii) the aggregate loan-to-value ratio for the remaining properties does not exceed the aggregate loan-to-value ratio of the crossed group immediately prior to the release; (viii) immediately after the release, the aggregate loan-to-value ratio of the remaining properties does not exceed 125% and (ix) unless waived by the lender, the borrower provides an opinion of counsel that the release will comply with REMIC rules.

In addition, with respect to the underlying mortgage loans secured by the mortgaged real properties identified on Exhibit A-1 as "Dogwood Glen," "Amhurst," "Elmtree Park" "Lindendale," "Mulberry" and "Parkville," collectively representing 2.6% of the initial mortgage pool balance, such underlying mortgage loans are cross-collateralized and cross-defaulted with one another pursuant to a cross-collateralization agreement, dated as of April 29, 2021. Pursuant to the cross-collateralization agreement, the related borrower is permitted to obtain the release of a mortgaged real property and the related underlying mortgage loan from the cross-collateralization agreement at any time (i) after the one-year anniversary of the origination date and expiration of the lockout period and (ii) prior to the 6-month period preceding the maturity date upon the satisfaction of certain conditions set forth in the related loan documents. Such conditions include, but are not limited to: (i) the lender receives from the borrower at least 60 days' prior written notice of the date of the proposed release; (ii) the borrower pays to the lender a \$15,000 administrative fee; (iii) no event of default has occurred and no event or circumstance exists on the release date that, with the giving of notice or the passage of time or both, would constitute an event of default; (iv) the borrower pays to the lender an amount equal to the outstanding principal balance of the underlying mortgage loan secured by the released property, *plus* any interest or applicable prepayment premium due; (v) the borrower pays to the lender all of the lender's costs and expenses in connection with the release; (vi) the aggregate debt service coverage ratio for the remaining properties is not less than the aggregate debt service coverage ratio of the crossed group immediately prior to the release; (vii) the aggregate loan-to-value ratio for the remaining properties does not exceed the aggregate loan-to-value ratio of the crossed group immediately prior to the release; (viii) immediately after the release, the aggregate loan-to-value ratio of the remaining properties does not exceed 125% and (ix) unless waived by the lender, the borrower provides an opinion of counsel that the release will comply with REMIC rules.

*Due-on-Sale and Due-on-Encumbrance Provisions.* All of the underlying mortgage loans contain both a due-on-sale clause and a due-on-encumbrance clause. In general, these clauses either—

- permit the holder of the mortgage to accelerate the maturity of the underlying mortgage loan if the related borrower sells or otherwise transfers an interest in the corresponding mortgaged real property, borrower or controlling entity or encumbers the corresponding mortgaged real property without the consent of the holder of the mortgage, unless such sale, transfer or encumbrance is permitted by the loan documents; or
- unless permitted by the loan documents, prohibit the borrower from otherwise selling, transferring or encumbering the corresponding mortgaged real property without the consent of the holder of the mortgage.

The loan agreements may in many or all cases freely permit transfers in the following circumstances:

1. A transfer of any non-controlling or controlling interest in any entity that is not a borrower or a Designated Entity for Transfers, excluding interests held by a guarantor or a Required Equity Owner.
2. A transfer of a non-controlling interest in a borrower or a Designated Entity for Transfers, excluding interests held by a guarantor or a Required Equity Owner.

In addition, the loan agreements may in many or all cases permit some or all of the following transfers if certain conditions are satisfied, including payment of a Transfer Processing Fee of either \$15,000 or \$25,000, as the case may be:

1. A transfer of a controlling interest in a borrower or a Designated Entity for Transfers to an affiliate of the transferor.
2. A transfer of a controlling interest in a borrower or a Designated Entity for Transfers to an entity or revocable trust that is controlled by the transferor for the benefit of immediate family members.

3. A transfer of a controlling interest in the borrower or a Designated Entity for Transfers due to death, legal incapacity or retirement of a prior borrower principal to a previously underwritten person named in the loan agreement. If the prior borrower principal was the guarantor or an affiliate of the guarantor, then the lender must determine at the time of the transfer that the remaining guarantor(s) meet the requirements of the loan agreement for replacement guarantors, including as to net worth and liquidity, or the previously underwritten person becomes a replacement guarantor and executes a replacement guaranty within 60 days of the event that caused the transfer. Such previously underwritten person will be required to certify that its net worth and liquidity are substantially the same as or better than they were as of the origination date.
4. A transfer of a co-owner's interest in a mortgaged real property to another co-owner.
5. A termination of an existing tenancy-in-common agreement and the transfer of all the interests of each co-owner borrower in a mortgaged real property to a single consolidated borrower entity.
6. A transfer of a controlling interest in a borrower or a Designated Entity for Transfers to an immediate family member (not previously underwritten) due to a death and, if applicable, a subsequent transfer by such immediate family member to another immediate family member of the deceased natural person. If the transfer results from the death of a guarantor, then a replacement guaranty must be provided unless the lender determines that the surviving guarantor(s) meet the requirements of the loan agreement for replacement guarantors, including as to net worth and liquidity.
7. A Preferred Equity Control Take-Over Transfer. If this occurs, the preferred equity investor or its affiliate must execute a replacement guaranty and the preferred equity investor must certify that that its net worth and liquidity are substantially the same as or better than they were as of the origination date.
8. A Buy-Sell Transfer, including a release of a guarantor in connection with a manager take-over of equity. The transferee will be required to execute a replacement guaranty and certify that that its net worth and liquidity are substantially the same as or better than they were as of the origination date.
9. A replacement guarantor due to guarantor bankruptcy, Loan Guarantor Status Event or death of guarantor not in borrower's ownership structure.

In addition, many or all of the following types of transfers may be permitted if certain conditions are satisfied, including payment of a \$40,000 fee (comprised of a \$15,000 Transfer Processing Fee and a \$25,000 Transfer Fee):

1. A transfer of a managing interest in a borrower to another person that existed in the borrower's organizational chart at the time of origination (e.g. origination equity taking over control of a borrower). The loan agreements may permit a transfer of this type if the lender in its discretion has determined that the eligibility, organization, credit, and experience in the management of similar properties of the transferee are appropriate to the overall structure and documentation of the loan. If the transferor or its affiliate is a guarantor, the transferee or its affiliate must execute a replacement guaranty.
2. A transfer by a Required Equity Owner of part or all of the ownership interest it is required to maintain under the loan agreement. A transfer of this type will require that the lender in its discretion has determined that it is not necessary for the departing Required Equity Owner to maintain the required ownership interest.
3. A release of guarantor. The loan agreements may permit, in the lender's discretion, a portion of the guarantor's obligations under the guaranty to be released, if after the release of guarantor, the remaining guarantor(s) meet the requirements of the loan agreement for replacement guarantors, including as to net worth and liquidity, and otherwise be acceptable to the lender.

In addition, the following may be permitted under some or all of the loan documents if a 1% Transfer Fee (subject to a \$250,000 cap) plus a \$15,000 Transfer Processing Fee is paid, and among other conditions, the lender in its discretion has determined that (i) the transferee's organization, credit and experience in the management of similar properties meet the lender's standards and are appropriate to the overall structure and documentation of the loan and (ii) any proposed guarantor's credit meets the lender's standards:

1. A transfer of a controlling interest in the borrower or Designated Entity for Transfers to an unrelated third party.
2. A transfer of title to the mortgaged real property and an assumption of the loan.

The above-described fees will, with respect to non-Specially Serviced Mortgage Loans, be payable to the master servicer and/or the Approved Directing Certificateholder (if any) as shown under “Description of the Certificates—Fees and Expenses” in this information circular.

We make no representation as to the enforceability of any due-on-sale or due-on-encumbrance provision in any underlying mortgage loan.

*Permitted Additional Debt.*

General. Other than as described below, the underlying mortgage loans generally prohibit the borrowers from incurring, without lender consent, any additional debt secured or unsecured, direct or contingent other than (i) permitted subordinate supplemental mortgages as described under “—Permitted Subordinate Mortgage Debt” below and (ii) customary unsecured trade payables incurred in the ordinary course of owning and operating the corresponding mortgaged real property that do not exceed, in the aggregate, at any time a maximum amount of up to 2.0% of the original principal amount of the corresponding underlying mortgage loan and are paid within 60 days of the date incurred.

Each unsecured creditor could cause the related borrower to seek protection under the applicable bankruptcy laws.

Permitted Subordinate Mortgage Debt. The borrowers under all of the underlying mortgage loans are permitted to incur an additional limited amount of subordinate indebtedness secured by the related mortgaged real properties generally beginning 12 months after the origination date of each related underlying mortgage loan, unless otherwise provided in the related loan documents, which may be incurred at any time, including on or before the Closing Date. It is a condition to the incurrence of any such future secured subordinate loan that, among other things: (i) the total loan-to-value ratio of these loans be below, and the debt service coverage ratio be above, certain thresholds set out in the related loan documents and (ii) subordination agreements and intercreditor agreements be put in place between the issuing entity and the related lenders. In the event a borrower satisfies these conditions, the borrower will be permitted to obtain secured subordinate debt from certain Freddie Mac-approved lenders who will make such subordinate financing exclusively for initial purchase by Freddie Mac. A default under the subordinate loan documents will constitute a default under the related senior underlying mortgage loan. The related intercreditor agreement will provide that the subordinate debt may be transferred to certain “qualified transferees” meeting certain minimum net worth requirements or other criteria set forth in such intercreditor agreement. Freddie Mac may at any time transfer any junior lien loans it holds in secondary market transactions, including securitizations.

The loan documents require that any such subordinate debt be governed by an intercreditor agreement which will, in general, govern the respective rights of the holder of the subordinate loan and the issuing entity as the holder of the related underlying mortgage loan. The following paragraphs describe certain provisions that will be included in the intercreditor agreements, but they do not purport to be complete and are subject, and qualified in their entirety by reference to the actual provisions of each intercreditor agreement. The issuing entity as the holder of the Senior Loan is referred to in these paragraphs as the “Senior Loan Holder” and the related underlying mortgage loan included in the issuing entity is referred to as the “Senior Loan.” Any related subordinate loan is referred to as the “Junior Loan” and any “Junior Loan Holder” means the holder of the most subordinate Junior Loan related to such Senior Loan.

**Allocations of Payments.** The right of any holder of a Junior Loan to receive payments of interest, principal and other amounts will be subordinated to the rights of the Senior Loan Holder. Generally, as long as no event of default has occurred under the Senior Loan or a Junior Loan, the related borrower will make separate payments of principal and interest to any holder of a Junior Loan and the Senior Loan Holder, respectively. If an event of default occurs with respect to the Senior Loan or a Junior Loan, or the related borrower becomes a subject of any bankruptcy, insolvency or reorganization proceeding, then, prior to any application of payments to a Junior Loan, all amounts tendered by the related borrower or otherwise available for payment will be applied, net of certain amounts, to satisfy the interest (other than Default Interest), principal and other amounts owed with respect to the related Senior Loan until these amounts are paid in full. Any payments received by any holder of a Junior Loan during this time are required to be forwarded to the Senior Loan Holder.

**Modifications.** The Senior Loan Holder will be permitted to enter into any amendment, deferral, extension, modification, increase, renewal, replacement, consolidation, supplement or waiver of any term or provision of any Senior Loan without the consent of any holder of a Junior Loan unless such modification will (i) increase the interest rate or principal amount of the Senior Loan, (ii) increase in any other material respect any monetary obligations of related borrower under the Senior Loan, (iii) extend or shorten the scheduled maturity date of the Senior Loan (other than pursuant to extension options exercised in accordance with the terms and provisions of the related loan documents), (iv) convert or exchange the Senior Loan into or for any other indebtedness or subordinate any of the Senior Loan to any indebtedness of related borrower, (v) amend or modify the provisions limiting transfers of interests in the related borrower or the related mortgaged real property, (vi) modify or amend the terms and provisions of the Senior Loan cash management agreement with respect to the manner, timing and method of the application of payments under the related loan documents, (vii) cross-default the Senior Loan with any other indebtedness, (viii) consent to a higher strike price with respect to any new or extended interest rate cap agreement entered into in connection with the extended term of the Senior Loan, (ix) obtain any contingent interest, additional interest or so-called “kicker” measured on the basis of the cash flow or appreciation of the mortgaged real property (or other similar equity participation) or (x) extend the period during which voluntary prepayments are prohibited or during which prepayments require the payment of a Static Prepayment Premium or increase the amount of any such Static Prepayment Premium. However, in no event will the Senior Loan Holder be obligated to obtain the consent of the holder of a Junior Loan in the case of a workout or other surrender, compromise, release, renewal, or modification of the Senior Loan during the existence of a continuing Senior Loan event of default, except that under all conditions the Senior Loan Holder will be required to obtain the consent of any holder of a Junior Loan to a modification with respect to clause (i) (with respect to increasing the principal amount of the Senior Loan only) and clause (x) of this paragraph.

Any holder of a Junior Loan will be permitted to enter into any amendment, deferral, extension, modification, increase, renewal, replacement, consolidation, supplement or waiver of any term or provision of any Junior Loan without the consent of the Senior Loan Holder unless such modification will (i) increase the interest rate or principal amount of such Junior Loan, (ii) increase in any other material respect any monetary obligations of related borrower under the related loan documents with respect to such Junior Loan, (iii) extend or shorten the scheduled maturity date of such Junior Loan (other than pursuant to extension options exercised in accordance with the terms and provisions of the related loan documents), (iv) convert or exchange such Junior Loan into or for any other indebtedness or subordinate any Junior Loan to any indebtedness of the related borrower, (v) amend or modify the provisions limiting transfers of interests in the related borrower or the related mortgaged real property, (vi) consent to a higher strike price with respect to any new or extended interest rate cap agreement entered into in connection with the extended term of such Junior Loan, (vii) cross-default such Junior Loan with any other indebtedness, (viii) obtain any contingent interest, additional interest or so-called “kicker” measured on the basis of the cash flow or appreciation of the related mortgaged real property (or other similar equity participation) or (ix) extend the period during which voluntary prepayments are prohibited or during which prepayments require the payment of a Static Prepayment Premium or increase the amount of any such Static Prepayment Premium. However, in no event will any holder of a Junior Loan be obligated to obtain the Senior Loan Holder’s consent to a modification or amendment in the case of a workout or other surrender, compromise, release, renewal, or modification of such Junior Loan if an event of default has occurred and is continuing with respect to such Junior Loan, except that under all conditions any holder of a Junior Loan will be required to obtain the Senior Loan Holder’s consent to a modification with respect to clause (i) (with respect to increasing the principal amount of such Junior Loan only), clause (ii), clause (iii) (with respect to shortening the scheduled maturity date of such Junior Loan only), clause (iv), clause (viii) and clause (ix) of this paragraph.

**Cure.** Upon the occurrence of any default that would permit the Senior Loan Holder under the related loan documents to commence an enforcement action, a holder of a Junior Loan will have the right to receive notice from the Senior Loan Holder of the default and the right to cure that default after or prior to the expiration of the related borrower’s cure period or in some cases for a period extending beyond the related borrower’s cure period. A holder of a Junior Loan generally will have a specified period of time, set forth in the related intercreditor agreement, to cure any default, depending on whether the default is monetary or non-monetary. A holder of a Junior Loan is prohibited from curing monetary defaults for longer than four consecutive months. Before the lapse of such cure period, neither the master servicer nor the special servicer may foreclose on the related mortgaged real property or exercise any other remedies with respect to the mortgaged real property.

**Purchase Option.** If a Senior Loan (other than the Non-Serviced Loan) becomes a Defaulted Loan (in accordance with the Pooling and Servicing Agreement), pursuant to the intercreditor agreement, the Co-Lender Agreement (if applicable) and the Pooling and Servicing Agreement, (i) each of the Junior Loan Holder and, if the Defaulted Loan is not an Affiliated Borrower Loan, the directing certificateholder will have an option to purchase such Senior Loan at a purchase price equal to at least the Fair Value of such Senior Loan, in accordance with the bidding procedures described in “The Pooling and Servicing Agreement—Realization Upon Mortgage Loans—Purchase Option” in this information circular and (ii) the Junior Loan Holder will have the first option to purchase such Defaulted Loan at the Purchase Price; *provided* that if any such Junior Loan Holder elects not to exercise its purchase option, then the holder of the next most subordinate Junior Loan (if any) will be entitled to exercise such option. If the Defaulted Loan is an Affiliated Borrower Loan, the directing certificateholder will only be able to purchase such Senior Loan at a cash price equal to the Purchase Price. See “The Pooling and Servicing Agreement—Realization Upon Mortgage Loans—Purchase Option” in this information circular.

If the Non-Serviced Loan becomes delinquent as to its balloon payment or becomes 60 days delinquent as to any other monthly debt service payment (in each case without giving effect to any applicable grace period) or becomes a specially serviced mortgage loan under the Non-Serviced Companion Loan PSA as a result of any non-monetary event-of-default, the Junior Loan Holder will have an option to purchase the Non-Serviced Loan together with the Non-Serviced Companion Loan on similar terms, subject to the rights of the Non-Serviced Companion Loan Directing Holder (or its designee), Freddie Mac and the directing certificateholder (or its designee) to purchase the Non-Serviced Loan and the Non-Serviced Companion Loan as and to the extent set forth in “The Pooling and Servicing Agreement—Realization Upon Mortgage Loans—Purchase Option” in this information circular

*Property Damage, Liability and Other Insurance.* The loan documents for each of the underlying mortgage loans generally require that with respect to the related mortgaged real property the related borrower maintain property damage, flood (if any portion of the improvements of such mortgaged real property is in a flood zone), commercial general liability and business income/rental value insurance in the amounts required by the loan documents, subject to exceptions in some cases for tenant insurance.

With respect to the mortgaged real property identified on Exhibit A-1 as “Tradewinds MHC,” securing an underlying mortgage loan representing 1.2% of the initial mortgage pool balance, such mortgaged real property is partially or fully located in seismic zones 3 or 4 or a geographic location with a horizontal peak ground acceleration equal to or greater than 0.15g and a seismic assessment was performed to assess the scenario expected loss or probable maximum loss. Earthquake insurance was not required with respect to those mortgaged real properties located in seismic zones 3 or 4 or a geographic location with a horizontal peak ground acceleration equal to or greater than 0.15g for which a scenario expected loss assessment or a probable maximum loss assessment was performed because the scenario expected loss or probable maximum loss for each of those mortgaged real properties was less than or equal to 20% of the amount of the replacement cost of the improvements.

Subject to the discussion below regarding insurance for acts of terrorism, the master servicer will be required to use reasonable efforts in accordance with the Servicing Standard to cause each borrower to maintain, and, if such borrower does not so maintain, the master servicer will itself cause to be maintained, for each mortgaged real property (including each mortgaged real property relating to any Specially Serviced Mortgage Loan) all insurance coverage as is required under the related loan documents or the Servicing Standard. The master servicer will not be required to require the related borrower to obtain or maintain earthquake or flood insurance coverage that is not available at commercially reasonable rates, as determined by the master servicer in accordance with the Servicing Standard. If such borrower fails to do so, the master servicer must maintain that insurance coverage, to the extent—

- the trustee has an insurable interest;
- the insurance coverage is available at commercially reasonable rates, as determined by the master servicer in accordance with the Servicing Standard; and
- any related Servicing Advance is deemed by the master servicer to be recoverable from collections on the related underlying mortgage loan.

However, the master servicer will not be required to declare a default under an underlying mortgage loan if the related borrower fails to maintain insurance providing for coverage for property damage resulting from a terrorist or similar act, and the master servicer need not maintain (or require the borrower to obtain) such insurance, if the

special servicer has determined (after due inquiry in accordance with the Servicing Standard and with the consent of the Approved Directing Certificateholder (if any), which consent is subject to certain limitations and a specified time period as set forth in the Pooling and Servicing Agreement; *provided* that the special servicer will not follow any such direction, or refrain from acting based on the lack of any such direction, of such Approved Directing Certificateholder, if following any such direction of such Approved Directing Certificateholder or refraining from taking such action based on the lack of any such direction of such Approved Directing Certificateholder would violate the Servicing Standard), in accordance with the Servicing Standard, that either:

- such insurance is not available at commercially reasonable rates and such hazards are not at the time commonly insured against for properties similar to the related mortgaged real property and located in and around the region in which the mortgaged real property is located; or
- such insurance is not available at any rate.

The insurance coverage required to be maintained by the borrowers may not cover any physical damage resulting from, among other things, war, revolution, or nuclear, biological, chemical or radiological materials. In addition, even if a type of loss is covered by the insurance policies required to be in place at the mortgaged real property, the mortgaged real property may suffer losses for which the insurance coverage is inadequate. For example, in the case where terrorism coverage is included under a policy, if the terrorist attack is, for example, nuclear, biological or chemical in nature, the policy may include an exclusion that precludes coverage for such terrorist attack.

Various forms of insurance maintained with respect to one or more of the mortgaged real properties securing the underlying mortgage loans, including casualty insurance, may be provided under a blanket insurance policy. That blanket insurance policy will also cover other real properties, some of which may not secure underlying mortgage loans. As a result of total limits under any of those blanket policies, losses at other properties covered by the blanket insurance policy may reduce the amount of insurance coverage with respect to a property securing one of the underlying mortgage loans.

The underlying mortgage loans generally provide that insurance and condemnation proceeds are to be applied either—

- to restore the related mortgaged real property (with any balance to be paid to the borrower); or
- towards payment of the underlying mortgage loan.

With respect to any REO Property (other than any Non-Serviced REO Property), the special servicer will be required to maintain one or more insurance policies sufficient to provide no less coverage than was previously required of the borrower under the related loan documents or any such lesser amount of coverage previously required by the master servicer when such REO Loan was a non-Specially Serviced Mortgage Loan or, at the special servicer's election and with the consent of the Approved Directing Certificateholder (if any) (which consent is subject to certain limitations and a specified time period as set forth in the Pooling and Servicing Agreement), coverage satisfying insurance requirements consistent with the Servicing Standard, *provided* that such coverage is available at commercially reasonable rates and to the extent the trustee as mortgagee of record on behalf of the issuing entity has an insurable interest. The special servicer, to the extent consistent with the Servicing Standard, may maintain earthquake insurance on REO Properties, *provided* that coverage is available at commercially reasonable rates and to the extent the trustee as mortgagee of record on behalf of the issuing entity has an insurable interest.

The master servicer and the special servicer may each satisfy its obligations regarding maintenance of the property damage insurance policies by maintaining a lender placed insurance policy that provides protection equivalent to the individual policies otherwise required by the loan documents or the Servicing Standard (including containing a deductible clause consistent with the Servicing Standard) insuring against hazard losses with respect to all of the mortgaged real properties (other than the mortgaged real property securing the Non-Serviced Loan) and/or REO Properties (other than any Non-Serviced REO Property) in the issuing entity for which it is responsible. Solely in the event that Accepted Servicing Practices is the applicable Servicing Standard, the deductible clause (if any) in the lender placed insurance policy referred to in the preceding sentence is required to be in an amount not in excess of customary amounts, in which case if (i) an insurance policy complying with the loan documents or the Servicing

Standard or, in the case of REO Properties, as permitted by the Pooling and Servicing Agreement or consistent with the Servicing Standard, if applicable, is not maintained on the related mortgaged real property or REO Property and (ii) there are losses which would have been covered by such insurance policy had it been maintained, the master servicer or the special servicer, as applicable, must deposit into the collection account from the master servicer's or the special servicer's, as applicable, own funds the portion of such loss or losses that would have been covered under such insurance policy but is not covered under the lender placed insurance policy because such deductible exceeds the deductible limitation required by the related loan documents or the Servicing Standard or, in the case of REO Properties, as permitted by the Pooling and Servicing Agreement or, in the absence of any such deductible limitation, the deductible limitation which is consistent with the Servicing Standard. Any incremental costs (excluding any minimum or standby premium payable for a lender placed insurance policy, whether or not any mortgaged real property or REO Property is covered thereby) incurred by the master servicer or the special servicer, as applicable, if the master servicer or special servicer causes any mortgaged real property or REO Property to be covered by a lender placed insurance policy will be paid by the master servicer as a Servicing Advance (subject to a nonrecoverability determination).

*Manufactured Housing Community Tenant Protections.* If applicable, certain underlying mortgage loans identified on Exhibit A-1 under the column titled "Non-Compliance Provisions (Y/N)" and the related footnotes may have been underwritten in accordance with Freddie Mac's MHC Mortgages with Tenant Protections program (each such mortgage loan, a "MHC Tenant Protections Loan"). Each MHC Tenant Protections Loan was underwritten assuming that the related borrower will make certain changes (the "MHC Tenant Protections") to its leases of manufactured home pads leased to homeowners who own their own manufactured homes ("MHC Homeowner Leases"), generally within 12 months after origination of the underlying mortgage loan.

The MHC Tenant Protections include:

- a one-year renewable lease term unless there is good cause for non-renewal;
- 30-days prior written notice of any rent increases;
- a 5-day grace period for rent payments and the right to cure any defaults on rent payments;
- the right of the manufactured homeowner to sell its manufactured home without having to first relocate such home out of the community, *provided* that the prospective buyer qualifies as a new tenant within the related manufactured housing community;
- the right of the manufactured homeowner to sell its manufactured home in its existing location 30 days after eviction;
- the right to sublease or assign the pad site lease for the unexpired term to a new buyer of the tenant's manufactured home without any unreasonable restraint, *provided* that the prospective buyer qualifies as a new tenant within the related manufactured housing community;
- the right to post "For Sale" signs that comply with the rules and regulations of the related manufactured housing community; and/or
- the right to receive at least 60 days' notice of any planned sale or closure of the related manufactured housing community.

If applicable state law requires the same or greater tenant protections than those included in the MHC Tenant Protections, then the MHC Tenant Protections need not be included in the borrower's form lease for such MHC Homeowner Leases. The borrower's form lease may also provide that, if the tenant protections afforded by applicable state law conflict with any of the MHC Tenant Protections, the MHC Tenant Protections will not be enforceable to the extent of any such conflict with applicable state law.

Each borrower that agrees to incorporate the MHC Tenant Protections into its MHC Homeowner Leases within 12 months after origination received certain financial incentives in connection with origination. Such financial incentives generally include a reduction in the mortgage rate for the related MHC Tenant Protections Loan and a rebate paid by Freddie Mac to the related borrower to cover the out-of-pocket costs incurred by such borrower for various third party reports required in connection with origination.

Each year during the term of the related MHC Tenant Protections Loan, the borrower must provide a certification confirming that all of its MHC Homeowner Leases include the MHC Tenant Protections. In addition to such borrower certification, the Pooling and Servicing Agreement requires that the master servicer conduct a randomized audit to further affirm the borrowers' compliance with the MHC Tenant Protections provisions. The loan documents for each MHC Tenant Protections Loan require that the borrower deliver to the master servicer electronic copies of all MHC Homeowner Leases required to include the MHC Tenant Protections on or before the anniversary of the origination of such MHC Tenant Protections Loan. In the calendar month following the anniversary of the origination of the related MHC Tenant Protections Loan, the master servicer will then randomly select at least 5% of such MHC Homeowner Leases, but not to exceed 20 MHC Homeowner Leases, for each related mortgaged real property to confirm compliance of such MHC Homeowner Leases with the terms of the related MHC Tenant Protections Loan and that all MHC Tenant Protections have been incorporated into each such MHC Homeowner Leases. If (i) the borrower does not certify compliance of all MHC Homeowner Leases or (ii) the lease audit reveals noncompliance, then the borrower will have 30 days to update the noncompliant MHC Homeowner Leases and re-certify that all such MHC Homeowner Leases are in compliance. Failure to so cure within such cure period constitutes an event of default under the related MHC Tenant Protections Loan. Each year, the borrower will be entitled to a new 30-day cure period. If the borrower fails to cure the noncompliance, then a MHC Tenant Protections Fee in the amount of 2% of the original principal balance of such MHC Tenant Protections Loan at origination will be due from the borrower. The MHC Tenant Protections Fee will be paid only one time. Once it is paid, any noncompliance of the related MHC Homeowner Leases under the MHC Tenant Protections Loan will be considered cured, and such underlying mortgage loan will no longer be considered a MHC Tenant Protections Loan and will no longer be tracked for compliance. Freddie Mac, in its capacity as Guarantor, will be entitled to retain as additional compensation any MHC Tenant Protections Fees, which will not be considered an asset of the issuing entity and will not be used to pay down the principal balance of the related MHC Tenant Protections Loan.

***Impact Affordable Loans.*** Certain underlying mortgage loans identified on Exhibit A-1 under the column titled "Non-Compliance Provisions (Y/N)" and the related footnotes may have been originated in accordance with Freddie Mac's Impact Affordable Loan product (the "Impact Affordable Loans"). Impact Affordable Loans are loans that were originated assuming that the related borrower would receive certain financial incentives as consideration for maintaining, in accordance with the terms of the related Required Rent Restrictions rider or Required Rent and Income Restrictions rider, as applicable (in either case, the "Required Rent Restrictions Rider"), a specified percentage of the units on such mortgaged real property (the "Minimum Set-Aside Units"). Such Minimum Set-Aside Units must have rental rates that meet certain workforce housing affordability levels (the "Required Rent Restrictions"), and, if so stipulated in the related Required Rent Restrictions Rider, must be leased to tenants earning no more than a specified percentage of the related area median income (the "Required Income Restrictions").

Commencing on the first day of the month following the first anniversary of the origination date (the "Initial Reporting Date") and at all times thereafter during the term of the Impact Affordable Loan, the Minimum Set-Aside Units must meet the Required Rent Restrictions and, if applicable, tenants leasing a specified percentage of the units at the mortgaged real property must meet the Required Income Restrictions. Each year during the term of the related Impact Affordable Loan, commencing on the Initial Reporting Date and continuing thereafter on an annual basis, the borrower must provide a certification to the lender (the "Affordability Certification") confirming that the Minimum Set-Aside Units meet the Required Rent Restrictions and, if applicable, tenants leasing a specified percentage of the units at the mortgaged real property meet the Required Income Restrictions, as of the date of their respective leases. If (i) the borrower does not certify compliance of all Required Rent Restrictions and the Required Income Restrictions, if applicable, or (ii) the borrower fails to deliver the Affordability Certification, then the borrower will be required to pay an Affordability Noncompliance Fee in the amount set forth in the related Required Rent Restrictions Rider. This Affordability Noncompliance Fee will be charged for a minimum of six months, but will cease to accrue if the borrower is able to certify compliance of all Required Rent Restrictions and applicable Required Income Restrictions and deliver an Affordability Certification.

All Affordability Noncompliance Fees actually collected from any borrower will be paid to Guarantor, will not be an asset of the issuing entity and will not be used to pay down the principal balance of the related Impact Affordable Loan.

## The Non-Serviced Whole Loan

*General.* The Non-Serviced Loan, representing 10.9% of the initial mortgage pool balance, is part of a split loan structure comprised of 2 promissory notes, each of which is secured by the same mortgage instruments on the same mortgaged real property. The Non-Serviced Loan is evidenced by a promissory note with a Cut-off Date Principal Balance of \$102,205,000. It will be included in the issuing entity. The Non-Serviced Companion Loan is evidenced by the other promissory note with a Cut-off Date principal balance of \$102,205,000. The Non-Serviced Companion Loan will not be included in the issuing entity, but is included in a trust previously established pursuant to the Non-Serviced Companion Loan PSA. The Non-Serviced Loan and the Non-Serviced Companion Loan are *pari passu* with each other in right of payment and are collectively referred to in this information circular as the “Non-Serviced Whole Loan.” The holders of each promissory note comprising the Non-Serviced Whole Loan (the “Non-Serviced Whole Loan Noteholders”) have entered into the Co-Lender Agreement that sets forth their respective rights and obligations.

*Servicing.* The Non-Serviced Whole Loan and any related REO Property will be serviced and administered pursuant to the terms of the Non-Serviced Companion Loan PSA and subject to the terms of the Co-Lender Agreement. In servicing the Non-Serviced Whole Loan, the Non-Serviced Companion Loan PSA requires the Non-Serviced Companion Loan Master Servicer and the Non-Serviced Companion Loan Special Servicer to take into account the interests, as a collective whole, of the certificateholders with respect to Non-Serviced Companion Loan Securitization and the holder of the Non-Serviced Loan.

Amounts payable to the issuing entity as holder of the Non-Serviced Loan pursuant to the Co-Lender Agreement will be included in the Available Distribution Amount for the related distribution date to the extent described in this information circular, net of certain fees and expenses on the Non-Serviced Loan as set forth in the Co-Lender Agreement.

*Application of Payments.* The Co-Lender Agreement sets forth the respective rights of the Non-Serviced Whole Loan Noteholders as to the distribution of funds received in respect to the Non-Serviced Whole Loan. It generally provides that:

- The Non-Serviced Loan and the Non-Serviced Companion Loan are of equal priority with one another and no portion of either will have priority or preference over any portion of the other.
- All payments, proceeds, REO proceeds and other recoveries on or in respect of the Non-Serviced Whole Loan or the related mortgaged real property will be applied to the Non-Serviced Loan and the Non-Serviced Companion Loan on a *pro rata* and *pari passu* basis (subject, in each case, to the payment of amounts for required reserves or escrows required by the related loan documents and payment and reimbursement rights of any party to the Non-Serviced Companion Loan PSA in accordance with the terms of the Co-Lender Agreement and the Non-Serviced Companion Loan PSA, including reimbursement rights of the master servicer and the trustee under the Pooling and Servicing Agreement in respect of any advances they make to the certificateholders in respect of delinquent monthly debt service payments on the Non-Serviced Loan.).
- Losses, liability, damages, costs or expenses relating to the Non-Serviced Whole Loan will be allocated on a *pro rata* and *pari passu* basis to the Non-Serviced Loan and the Non-Serviced Companion Loan in accordance with the terms of the Co-Lender Agreement and the Non-Serviced Companion Loan PSA.
- Any extraordinary expense incurred by any party to, or any related person or entity under, the Non-Serviced Companion Loan PSA in relation to the Non-Serviced Whole Loan and the related mortgaged real property will be allocated to the Non-Serviced Loan and the Non-Serviced Companion Loan on a *pro rata* and *pari passu* basis.

However, any master servicing fee and any sub-servicing fee payable with respect to the Non-Serviced Loan or the Non-Serviced Companion Loan will be calculated and payable on a note-by-note basis. The master servicing fee and sub-servicing fee in respect of either note is generally to be paid solely out of amounts allocable and payable to that note or the related noteholder. However, after a liquidation of the Non-Serviced Loan, any unpaid master servicing fee on the Non-Serviced Loan will be paid out of general collections on the mortgage pool. Neither of the Non-Serviced Whole Loan Noteholders will be responsible for the payment of the master servicing fee in respect of

the other noteholder's note. Any compensation payable to the Non-Serviced Companion Loan Special Servicer under the Non-Serviced Companion Loan PSA (including special servicing fees, liquidation fees and workout fees) with respect to the Non-Serviced Whole Loan, the related notes and/or any related REO Property will be deemed made or incurred, as applicable, on behalf of all Non-Serviced Whole Loan Noteholders and will be deemed allocated between the Non-Serviced Whole Loan Noteholders on a *pro rata* and *pari passu* basis.

In addition, if a P&I Advance is made with respect to the Non-Serviced Loan, then that P&I Advance, together with interest on that P&I Advance, may not be reimbursed out of payments or other collections on the Non-Serviced Companion Loan. P&I advances made by the Non-Serviced Companion Loan Master Servicer or the Non-Serviced Companion Loan Trustee may not be reimbursed out of payments or other collections on the Non-Serviced Loan.

*Consultation and Control.* The trust formed pursuant to the Non-Serviced Companion Loan PSA, as holder of the Non-Serviced Companion Loan, will be the directing lender under the Co-Lender Agreement; *provided* that the Non-Serviced Companion Loan Directing Holder will, as the directing lender's designee, exercise the rights given to the Non-Serviced Companion Loan Directing Holder pursuant to the Non-Serviced Companion Loan PSA. No advice, direction or objection from or by the Non-Serviced Companion Loan Directing Holder, or the directing lender's designee, as contemplated by the Co-Lender Agreement, may require, cause or permit the Non-Serviced Companion Loan Master Servicer or the Non-Serviced Companion Loan Special Servicer, as the case may be, to violate any provision of the Co-Lender Agreement or the Non-Serviced Companion Loan PSA (including the obligation of the Non-Serviced Companion Loan Master Servicer or the Non-Serviced Companion Loan Special Servicer, as the case may be, to act in accordance with the related servicing standard), the loan documents or applicable law or the REMIC provisions of the Code. The Non-Serviced Companion Loan Master Servicer or the Non-Serviced Companion Loan Special Servicer, as the case may be, must ignore and act without regard to any such advice, direction or objection that the Non-Serviced Companion Loan Master Servicer or the Non-Serviced Companion Loan Special Servicer, as the case may be, has determined, in its reasonable, good faith judgment, will constitute such a violation.

The Non-Serviced Companion Loan Directing Holder will be entitled to direct the Non-Serviced Companion Loan Master Servicer and the Non-Serviced Companion Loan Special Servicer with respect to various servicing matters involving the Non-Serviced Whole Loan. The directing certificateholder will be entitled to receive all Asset Status Reports and other information with respect to the Non-Serviced Whole Loan to the same extent as the Non-Serviced Companion Loan Directing Holder. The directing certificateholder will have the right to consult with the Non-Serviced Companion Loan Master Servicer, the Non-Serviced Companion Loan Special Servicer or the Non-Serviced Companion Loan Directing Holder on a non-binding basis to the extent provided in the Non-Serviced Companion Loan PSA on matters pertaining to the Non-Serviced Whole Loan.

*Sale of a Defaulted Non-Serviced Whole Loan.* Pursuant to the Co-Lender Agreement and the Non-Serviced Companion Loan PSA, if the Non-Serviced Companion Loan Special Servicer sells the Non-Serviced Companion Loan in accordance with the Non-Serviced Companion Loan PSA (other than in connection with a repurchase of such loan by the mortgage loan seller for the Non-Serviced Companion Loan Securitization or a purchase of such loan in connection with a clean-up call pursuant to the Non-Serviced Companion Loan PSA), the purchaser of the Non-Serviced Companion Loan will be required to also purchase the Non-Serviced Loan, and the issuing entity will be required to sell the Non-Serviced Loan to such purchaser, on the same terms and conditions as the Non-Serviced Companion Loan. With respect to any sale of the Non-Serviced Companion Loan, the directing certificateholder will have a non-binding right of consultation with the Non-Serviced Companion Loan Special Servicer regarding any such sale. See "The Pooling and Servicing Agreement—Realization Upon Mortgage Loans" in this information circular.

### **Mortgage Pool Characteristics**

Exhibits A-1, A-2 and A-3 present in detail various characteristics of the underlying mortgage loans and of the corresponding mortgaged real properties, on an individual basis and in tabular format. The statistics in the tables and schedules on Exhibits A-1, A-2 and A-3 were derived, in many cases, from information and operating statements furnished by or on behalf of the respective borrowers. The information and the operating statements were generally unaudited and have not been independently verified by us or Freddie Mac.

## **Additional Loan and Property Information**

*Master Lease.* With respect to the mortgaged real property identified on Exhibit A-1 as “The Rheingold A-2,” securing an underlying mortgage loan representing 10.9% of the initial mortgage pool balance, the ground floor commercial portion of the mortgaged real property is subject to a master lease between the related borrower, as landlord, and The Rabsky Group LLC, a borrower-affiliate, as master tenant. The base rent under the master lease is \$654,500 *per annum*, less the amount of annual base rent actually received by the borrower from new commercial tenants. The master lease is scheduled to terminate on the earlier of (i) the maturity date of the underlying mortgage loan and (ii) the date on which all of the commercial units have been leased in arms-length transactions to tenants unaffiliated with the borrower.

*Ground Leases.* With respect to the underlying mortgage loan secured by the mortgaged real property identified on Exhibit A-1 as “The Salado At Red Berry,” representing 5.1% of the initial mortgage pool balance, such underlying mortgage loan is secured by the leasehold interest of the related borrower and the fee interest of the related ground lessor in the mortgaged real property. The mortgaged real property is subject to a ground lease between the related borrower, as ground lessee, and the San Antonio Housing Trust Public Facility Corporation, as ground lessor, made in connection with the related tax abatement. The current rent under the ground lease is the net cash flow rent, calculated based on the assumed debt service amount of \$2,679,197 and 10.0% of available cash, and, commencing on October 22, 2021, the rent due under the ground lease is the net cash flow rent *plus* administrative rent in the amount of \$25,000 *per annum*. The ground lease generally requires, to retain the tax abatement, that at least 50.0% of the units be reserved for tenants earning less than 80.0% of the area median income, subject to certain rental restrictions. The ground lease is scheduled to terminate on October 22, 2093.

In addition, with respect to the underlying mortgage loan secured by the mortgaged real property identified on Exhibit A-1 as “Whispering Pines,” representing 1.6% of the initial mortgage pool balance, such underlying mortgage loan is secured by the leasehold interest of the related borrower in the land related to the mortgaged real property, the fee interest of the related borrower in certain improvements on the related mortgaged real property and the fee interest of the related ground lessor in the land related to the mortgaged real property. The mortgaged real property is subject to a ground lease between the related borrower, as ground lessee, and the Paisano Housing Redevelopment Corporation, as ground lessor, made in connection with the related tax abatement. The current rent under the ground lease is \$0 *per annum*. The ground lease generally requires, to retain the tax abatement, that at least 50.0% of the units be reserved for tenants earning no more than 80.0% of the area median income, subject to certain rent restrictions. The ground lease is scheduled to terminate on April 30, 2120.

*Borrower Structures.* With respect to all of the underlying mortgage loans, the related borrowers are single purpose entities whose organizational documents or the terms of the underlying mortgage loans limit their activities to the ownership of only the related mortgaged real property or properties and, subject to exceptions, including relating to subordinate debt secured by the related mortgaged real properties, generally limit the borrowers’ ability to incur additional indebtedness other than trade payables and equipment financing relating to the mortgaged real properties in the ordinary course of business.

With respect to some of the underlying mortgage loans, the related nonrecourse carveout provisions of the related loan documents may be guaranteed, in whole or in part, by non-U.S. individuals or entities, which may decrease the likelihood of recovery under such guarantee. In addition, some of the underlying mortgage loans may be guaranteed, in whole or in part, by sponsors of the related borrowers or other parties that are funds or other entities, the terms of which may be subject to expiration or other structural contingencies. In such cases, the related loan documents may require such entities to extend their terms or to otherwise take action or provide additional security to the lender regarding the continued existence of such entities during the terms of the underlying mortgage loans.

With respect to the underlying mortgage loan secured by the mortgaged real property identified on Exhibit A-1 as “Longhaven Estates MHC,” representing 2.3% of the initial mortgage pool balance, subject to certain covenants contained in the related loan documents, the loan documents permit revenue derived from the mortgaged real property and from certain other properties owned by borrower-affiliated entities to be managed and accounted for in a custodial account maintained by the property manager on behalf of the borrower and certain other entities. The loan documents require the common account to be maintained in a way that funds from the mortgaged real property can be easily tracked and ascertained.

*Preferred Equity.* With respect to the underlying mortgage loans secured by the mortgaged real properties identified on Exhibit A-1 as “The Rheingold A-2,” “Mariners Cove” and “The Reserves Of Thomas Glen,” collectively representing 16.8% of the initial mortgage pool balance, the sponsor of each related borrower reported that it holds a preferred equity or similar interest in such borrower. Any preferred equity interest may generally entitle the related sponsor to preferred equity payments and entitle the preferred equity holder to step in as managing member of the related borrower under certain circumstances. In addition, any preferred equity interest may grant the preferred equity holder certain rights with respect to decisions regarding the related borrower and the related mortgaged real property.

*Purchase Option and Right of First Refusal.* With respect to the underlying mortgage loan secured by the mortgaged real property identified on Exhibit A-1 as “Whispering Pines,” representing 1.6% of the initial mortgage pool balance, pursuant to the related ground lease, the Housing Authority of the City of El Paso or the ground lessor as its designee (together, the “Whispering Pines Grantee”), has an option to purchase the borrower’s leasehold interest in the mortgaged real property or the 99.98% ownership interest of Post Whispering Partners, LLC (the “Whispering Pines Investor Member”) in the related borrower. During the term of the ground lease, upon at least 45 days’ notice, the Whispering Pines Grantee may elect to exercise its option to purchase the leasehold interest or the ownership interest for the applicable purchase price set forth in the related ground lease. In addition, in the event that the Whispering Pines Investor Member receives an offer from a third-party purchaser to purchase the leasehold interest or ownership interests that it intends to accept, the Whispering Pines Grantee will have 45 days to exercise its right of first refusal to purchase such interests on the same terms set forth in the offer. The purchase option and right of first refusal are subordinate to the underlying mortgage loan and will terminate in the event of a foreclosure or deed-in-lieu of foreclosure.

*Delinquencies.* None of the underlying mortgage loans was, as of the Cut-off Date, 30 days or more delinquent with respect to any monthly debt service payment.

*Title, Survey and Similar Issues.* The permanent improvements on certain of the mortgaged real properties may encroach over an easement or a setback line or onto another property. In other instances, certain oil, gas or water estates may affect a property. Generally, in those cases, either (i) the lender’s title policy insures against loss if a court orders the removal of the improvements causing the encroachment or (ii) the respective title and/or survey issue was analyzed by the originating lender and determined not to materially affect the respective mortgaged real property for its intended use. There is no assurance, however, that any such analysis in this regard is correct, or that such determination was made in each and every case.

*Restrictive Covenants and Contractual Covenants.* Some of the mortgaged real properties that secure the underlying mortgage loans may be subject to land use restrictive covenants or contractual covenants. For example, with respect to the mortgaged real properties identified on Exhibit A-1 as “The Rheingold A-2,” “Barnbeck Place” and “Summitwoods Apartments,” securing underlying mortgage loans collectively representing 15.3% of the initial mortgage pool balance, each such mortgaged real property is subject to at least one land use restriction agreement in favor of a local, state or federal agency. The agreements generally require that all or a portion of the units at each such mortgaged real property be reserved for tenants earning no more than a specified income threshold. Such income thresholds range from 60.0% to 80.0% of the related area median income, subject to certain rental restrictions.

In addition, with respect to the mortgaged real property identified on Exhibit A-1 as “Longhaven Estates MHC,” securing an underlying mortgage loan representing 2.3% of the initial mortgage pool balance, the sponsor of the related borrower reported that a portion of the mortgaged real property is subject to an age-restriction or is marketed as being an age-restricted property reserved for tenants at least 55 years of age.

*Low-Income Housing Tax Credits.* Some of the mortgaged real properties may entitle or may have entitled their owners to receive low-income housing tax credits pursuant to Code Section 42. For example, with respect to the mortgaged real property identified on Exhibit A-1 as “Summitwoods Apartments,” securing an underlying mortgage loan representing 1.0% of the initial mortgage pool balance, the mortgaged real property is subject to a land use restriction agreement in favor the Connecticut Housing Finance Authority, made in connection with the allocation of federal low-income housing tax credits under Code Section 42. The agreement generally requires that at least 40.0% of the units at the mortgaged real property be reserved for tenants earning no more than 60.0% of the related area median income, subject to certain rental restrictions.

*Rental Subsidy Programs.* Some of the mortgaged real properties have tenants that rely on rent subsidies under various government funded programs, including Section 8. For example, with respect to the mortgaged real properties identified on Exhibit A-1 as “Apple Ridge,” “Thymewood,” “Rivers End,” “Amhurst,” “Country Meadows Apartments,” “Ridgewood - Indiana,” “Windrush,” “Willowood,” “Heronwood,” “Waterbury,” “Willow Run,” “Princeton Court,” “Charing Cross” and “Hartwick,” securing underlying mortgage loans collectively representing 7.7% of the initial mortgage pool balance, the sponsor of each related borrower reported that certain tenants at the related mortgaged real property utilize Section 8 vouchers. In addition, with respect to certain of the underlying mortgage loans, the borrower may receive subsidies or other assistance from government programs. Generally, a mortgaged real property receiving such subsidy or assistance must satisfy certain requirements, the borrower must observe certain leasing practices and/or the tenant(s) must regularly meet certain income requirements.

*Tax Abatements and Exemptions.* Some of the mortgaged real properties that secure the underlying mortgage loans may entitle or may have entitled their owners to receive tax abatements or exemptions or may be subject to reduced taxes in connection with a “payment in lieu of taxes” (“PILOT”) agreement. For example, with respect to the mortgaged real property identified on Exhibit A-1 as “The Rheingold A-2,” securing an underlying mortgage loan representing 10.9% of the initial mortgage pool balance, the mortgaged real property benefits from a tax abatement granted by the New York City Department of Finance. The tax abatement is scheduled to terminate on June 30, 2044.

In addition, with respect to the mortgaged real property identified on Exhibit A-1 as “The Salado At Red Berry,” securing an underlying mortgage loan representing 5.1% of the initial mortgage pool balance, the mortgaged real property benefits from a tax abatement granted by the San Antonio Housing Trust Public Facility Corporation. The tax abatement is perpetual so long as (i) the mortgaged real property is owned by a public facility corporation created by a housing authority and (ii) at least 50.0% of the units at the mortgaged real property are reserved for tenants earning less than 80.0% of the area median income.

In addition, with respect to the mortgaged real property identified on Exhibit A-1 as “Whispering Pines,” securing an underlying mortgage loan representing 1.6% of the initial mortgage pool balance, the mortgaged real property benefits from a tax abatement granted by the El Paso Appraisal District. The tax abatement is perpetual so long as (i) the mortgaged real property is owned by a housing finance corporation and used for public purposes and (ii) at least 50.0% of the units at the mortgaged real property are reserved for tenants earning no more than 80.0% of the area median income.

With respect to such mortgaged real properties that entitle their owners to receive tax exemptions, the related Cut-off Date LTVs are often calculated using Appraised Values that assume that the owners of such mortgaged real properties receive such property tax exemptions.

*Manufactured Housing Community Properties.* 2 mortgaged real properties identified on Exhibit A-1 as “Longhaven Estates MHC” and “Tradewinds MHC,” securing underlying mortgage loans collectively representing 3.5% of the initial mortgage pool balance, are manufactured housing community properties. Each such underlying mortgage loan is an MHC Tenant Protections Loan, which was underwritten in accordance with Freddie Mac’s MHC Mortgages with Tenant Protections program. If the related borrowers fail to cure any noncompliance with the provisions of the applicable MHC Tenant Protections Loan documents, such borrowers will be required to pay a fee in the amount of \$430,000 and \$230,920, respectively, which fees will not be applied by the lender to any portion of the related underlying mortgage loans and will not serve as additional collateral for such underlying mortgage loans.

*Litigation.* There may be pending or, from time to time, threatened legal proceedings against the borrowers under the underlying mortgage loans, the property managers of the related mortgaged real properties and their respective affiliates, arising out of the ordinary business of those borrowers, property managers and affiliates.

*Redevelopment or Renovation.* Certain mortgaged real properties are subject to current or future redevelopment, renovation or construction. For example, with respect to the mortgaged real property identified on Exhibit A-1 as “Park At Oak Ridge,” securing an underlying mortgage loan representing 1.9% of the initial mortgage pool balance, the sponsor of the related borrower reported that there is 1 unavailable unit at the mortgaged real property due to maintenance. The sponsor reported that the estimated cost to complete the related repairs is approximately \$15,000.

In addition, with respect to the mortgaged real property identified on Exhibit A-1 as “Diamond Loch Apartment Homes,” securing an underlying mortgage loan representing 1.5% of the initial mortgage pool balance, the sponsor of the related borrower reported that there are 2 unavailable units at the mortgaged real property due to fire damage. The sponsor reported that the estimated cost to complete the related repairs is approximately \$45,000.

In addition, with respect to the mortgaged real property identified on Exhibit A-1 as “Ashton Heights Apartments,” securing an underlying mortgage loan representing 1.3% of the initial mortgage pool balance, the sponsor of the related borrower reported that there is 1 unavailable unit at the mortgaged real property due to fire damage. The sponsor reported that the estimated cost to complete the related repairs is approximately \$7,750.

In addition, with respect to the mortgaged real property identified on Exhibit A-1 as “Heathmoore – Indianapolis,” securing an underlying mortgage loan representing 0.6% of the initial mortgage pool balance, the sponsor of the related borrower reported that there is 1 unavailable unit at the mortgaged real property due to fire damage. The sponsor reported that the estimated cost to complete the related repairs is approximately \$7,500.

In addition, with respect to the mortgaged real property identified on Exhibit A-1 as “Amhurst,” securing an underlying mortgage loan representing 0.5% of the initial mortgage pool balance, the sponsor of the related borrower reported that there are 2 unavailable units at the mortgaged real property due to fire damage. The sponsor reported that the estimated cost to complete the related repairs is approximately \$30,000.

In addition, with respect to the mortgaged real property identified on Exhibit A-1 as “Willow Run,” securing an underlying mortgage loan representing 0.3% of the initial mortgage pool balance, the sponsor of the related borrower reported that there are 4 unavailable units at the mortgaged real property due to fire damage. The sponsor reported that the estimated cost to complete the related repairs is approximately \$50,000.

## **Underwriting Matters**

*General.* Each underlying mortgage loan was originated by the applicable Originator substantially in accordance with the standards in the Freddie Mac Act and the Guide, each as described in “Description of the Mortgage Loan Seller and Guarantor—Mortgage Loan Purchase and Servicing Standards of the Mortgage Loan Seller” in this information circular. In connection with the origination or acquisition of each of the underlying mortgage loans, the applicable Originator or acquiror of the underlying mortgage loan evaluated the corresponding mortgaged real property or properties in a manner generally consistent with the standards described in this “—Underwriting Matters” section.

With respect to certain of the underlying mortgage loans with original principal balances of \$15,000,000 (or, in some cases, \$20,000,000) or less, certain underwriting requirements set forth in the Guide may have been revised by streamlined underwriting requirements, including but not limited to: (i) no separate zoning report was required with reliance on zoning information contained in the appraisal; (ii) no updated survey was required if the borrower satisfied certain requirements, including delivery of an existing survey; (iii) simplified special purpose entity requirements; (iv) the requirement to deliver a wood destroying organism report might have been waived in certain circumstances; and (v) if there were no recognized environmental conditions at the mortgaged real property or an adjacent property, physical risk reports may have been obtained in lieu of environmental assessments or property condition assessments.

The information provided in this information circular regarding the condition of the mortgaged real properties, any environmental conditions at the mortgaged real properties, valuations of or market information relating to the mortgaged real properties or legal compliance of the mortgaged real properties is based on reports described below under “—Environmental Assessments,” “—Property Condition Assessments,” “—Appraisals and Market Studies” and “—Zoning and Building Code Compliance,” provided by certain third-party independent contractors. Such reports have not been independently verified by any of the parties to the Pooling and Servicing Agreement, the mortgage loan seller or the affiliates of any of these parties.

Subject to certain exceptions, the property condition assessments and appraisals described in this section were generally performed in connection with the origination of the underlying mortgage loans, which were originated between August 16, 2019 and June 3, 2021. Neither we nor the mortgage loan seller obtained updated property condition assessments or appraisals in connection with this securitization. We cannot assure you that the information in such property condition assessments and appraisals reflects the current condition of, or an estimate of, the current or prospective value of the mortgaged real properties.

*Environmental Assessments.* With respect to all of the underlying mortgage loans, Phase I ESAs were prepared in connection with the origination of the underlying mortgage loans. The ESAs, meeting criteria consistent with the Servicing Standard, were prepared pursuant to ASTM International standards for Phase I ESAs. In addition to the Phase I standards, many of the environmental reports included additional research, such as limited sampling for asbestos-containing material, lead-based paint and radon, depending on the property use and/or age.

If the environmental investigations or assessments described above identified material adverse or potentially material adverse environmental conditions at or with respect to any of the respective mortgaged real properties securing an underlying mortgage loan or at a nearby property with potential to affect a mortgaged real property, then the applicable Originator may have taken or caused to be taken one or more of the following actions:

- an environmental consultant investigated those conditions and recommended no further investigations or remediation;
- an operation and maintenance plan or other remediation was required and/or an escrow reserve was established to cover the estimated costs of obtaining that plan and/or effecting that remediation;
- those conditions were remediated or abated prior to the Closing Date;
- a letter was obtained from the applicable regulatory authority stating that no further action was required;
- another responsible party has agreed to indemnify the holder of the underlying mortgage loan from any losses that such party suffers as a result of such environmental conditions;
- an environmental insurance policy was obtained with respect to the mortgaged real property;
- in those cases in which it was known that an offsite property is the location of a leaking underground storage tank (“UST”) or groundwater contamination, a responsible party other than the related borrower has been identified under applicable law, and generally one or more of the following are true—
  1. that condition is not known to have affected the mortgaged real property; or
  2. the responsible party has either received a letter from the applicable regulatory agency stating no further action is required, established a remediation fund, engaged in responsive remediation, or provided an indemnity or guaranty to the borrower or the mortgagee/lender; and/or
- in those cases involving underlying mortgage loans with an original principal balance of less than \$1,000,000, the borrower expressly agreed to comply with all federal, state and local statutes or regulations respecting the identified adverse environmental conditions.

For some of the mortgaged real properties, the related ESAs may have noted that onsite USTs or leaking USTs previously had been removed or closed in place or other types of potential or actual spills or releases may have occurred, and based on criteria such as experience with past investigations, cleanups or other response actions, the quantities or types of hazardous materials involved, the absence of significant risk, tank test results or other records, and/or other circumstances including regulatory closure, the ESAs did not recommend any further investigation or other action. In some cases, even where regulatory closure was documented for past incidents, the ESAs may have nevertheless reported that requests to governmental agencies for any related files are pending. However, those ESAs concluded that such incidents were not likely to be significant at the time they were prepared.

Some borrowers under the underlying mortgage loans may not have satisfied all post-closing obligations required by the related loan documents with respect to environmental matters. We cannot assure you that such post-closing obligations have been satisfied or will be satisfied or that any of the recommended operations and maintenance plans have been or will continue to be implemented.

In addition, with respect to 22 of the underlying mortgage loans, collectively representing 23.6% of the initial mortgage pool balance, each related borrower is currently conducting short-term or long-term radon testing at the related mortgaged real property or has conducted radon testing and further remediation is required. Pursuant to the related repair agreement entered into at origination, if the lender is or was advised and determines or has determined that the radon testing indicates further remediation is necessary, the related borrower is required to (i) provide the lender with a signed, binding, fixed price radon remediation contract with a qualified service provider, (ii) complete such remediation work within a specified time frame and (iii) enter into an operations and maintenance agreement with respect to such remediation work.

The Pooling and Servicing Agreement will require that the special servicer obtain an ESA of a mortgaged real property within 12 months prior to acquiring title to the property or assuming its operation. This requirement precludes enforcement of the security for the related underlying mortgage loan until a satisfactory ESA is obtained or until any required remedial action is taken. We cannot assure you that the requirements of the Pooling and Servicing Agreement will effectively insulate the issuing entity from potential liability for a materially adverse environmental condition at any mortgaged real property.

*Property Condition Assessments.* With respect to all of the mortgaged real properties, a third-party engineering firm inspected the property to assess exterior walls, roofing, interior construction, mechanical and electrical systems and general condition of the site, buildings and other improvements located at each of the mortgaged real properties in connection with the origination of the underlying mortgage loans.

The inspections identified various deferred maintenance items and necessary capital improvements at some of the mortgaged real properties. The resulting inspection reports generally included an estimate of cost for any recommended repairs or replacements at a mortgaged real property. When repairs or replacements were recommended and deemed material by the applicable Originator, the related borrower was required to carry out necessary repairs or replacements and, in some instances, to establish reserves, generally in the amount of 100% to 125% of the cost estimated in the inspection report, to fund deferred maintenance or replacement items that the reports characterized as in need of prompt attention. See the columns titled “Engineering Reserve/Deferred Maintenance,” “Replacement Reserve (Initial)” and “Replacement Reserve (Monthly)” on Exhibit A-1.

*Appraisals and Market Studies.* An independent appraiser that is state-certified and/or a member of the American Appraisal Institute conducted an appraisal reflecting a valuation as of a date occurring within the 13-month period ending on the Cut-off Date, in order to establish an appraised value with respect to all of the mortgaged real properties. Those appraisal valuations are the basis for the Appraised Values for the respective mortgaged real properties set forth on Exhibit A-1 and provide “as-is” values as of the dates set forth on Exhibit A-1, except as described on Exhibit A-1 and/or the related footnotes as to any underlying mortgage loan with an “as-stabilized” value, which value is estimated assuming satisfaction of projected re-tenanting or increased tenant occupancy conditions.

In general, appraisals seek to establish the amount a typically motivated buyer would pay a typically motivated seller. However, this amount could be significantly higher than the amount obtained from the sale of a particular mortgaged real property under a distress or liquidation sale. Implied in the Appraised Values shown on Exhibit A-1, is the contemplation of a sale at a specific date and the passing of ownership from seller to buyer under the following conditions:

- buyer and seller are motivated;
- both parties are well informed or well advised, and each is acting in what such party considers its own best interest;
- a reasonable time is allowed to show the property in the open market;
- payment is made in terms of cash in U.S. dollars or in comparable financial arrangements; and
- the price paid for the property is not adjusted by special or creative financing or sales concessions granted by anyone associated with the sale.

In certain cases, appraisals may reflect “as-is,” “as-stabilized” or other values which may contain certain assumptions, such as future construction completion, projected re-tenanting or increased tenant occupancies. We cannot assure you that any assumption is or will be accurate or that the “as-is,” “as-stabilized” or other value will be the value of such mortgaged real property at the indicated date. Each appraisal referred to above involved a physical inspection of the property and reflects a correlation of the values established through the Sales Comparison Approach, the Income Approach and/or the Cost Approach.

Either the appraisal itself, or a separate letter, contains a statement to the effect that the appraisal guidelines set forth in Title XI of the Financial Institutions Reform, Recovery and Enforcement Act of 1989 were followed in preparing that appraisal. However, we have not independently verified the accuracy of this statement.

In the case of any underlying mortgage loan, the related borrower may have acquired the mortgaged real property at a price less than the Appraised Value on which the underlying mortgage loan was underwritten.

*Zoning and Building Code Compliance.* In connection with the origination of each underlying mortgage loan, the applicable Originator examined whether the use and operation of the related mortgaged real property were in material compliance with zoning, land-use, building, fire and health ordinances, rules, regulations and orders then-applicable to the mortgaged real property. Evidence of this compliance may have been in the form of certifications and other correspondence from government officials or agencies, title insurance endorsements, engineering, consulting or zoning reports, appraisals, legal opinions, surveys, recorded documents, temporary or permanent certificates of occupancy and/or representations by the related borrower. Where a material noncompliance was found or the property as currently operated is a legal non-conforming use and/or structure, an analysis was generally conducted as to—

- whether, in the case of material noncompliance, such noncompliance constitutes a legal non-conforming use and/or structure, and if not, whether an escrow or other requirement was appropriate to secure the taking of necessary steps to remediate any material noncompliance or constitute the condition as a legal non-conforming use or structure;
- the likelihood that a material casualty would occur that would prevent the property from being rebuilt in its current form; and
- whether existing replacement cost property damage insurance or, if necessary, supplemental law or ordinance coverage would, in the event of a material casualty, be sufficient—
  1. to satisfy the entire underlying mortgage loan; or
  2. taking into account the cost of repair, to pay down the underlying mortgage loan to a level that the remaining collateral would be adequate security for the remaining loan amount.

### **Significant Underlying Mortgage Loans**

For summary information on the ten largest underlying mortgage loans or groups of cross-collateralized and cross-defaulted underlying mortgage loans, see Exhibits A-1, A-2 and A-3.

### **Significant Originator**

Berkadia Commercial Mortgage LLC, a Delaware limited liability company (“**Berkadia**”), originated 37 of the underlying mortgage loans, collectively representing 37.8% of the initial mortgage pool balance. Berkadia is also expected to be the sub-servicer of the underlying mortgage loans it originated. Berkadia is, indirectly, wholly-owned by Berkshire Hathaway Inc. and Jefferies Financial Group company.

Since the beginning of 2010, Berkadia has originated approximately \$76.5 billion in multifamily mortgage loans designated for subsequent sale to Freddie Mac for inclusion in securitization transactions similar to this transaction. Each of these mortgage loans is generally sold to Freddie Mac within 60 days of such loan’s origination.

As of June 30, 2021, Berkadia’s delinquency rate on the Berkadia-originated Freddie Mac portfolio is 0.0350%. With respect to multifamily mortgage loans that Berkadia originates for resale to Freddie Mac, unless otherwise noted to Freddie Mac with respect to any particular loan or loans, Berkadia originates such mortgage loans substantially in accordance with the standards in the Freddie Mac Act and the Guide as described in “Description of the Mortgage Loan Seller and Guarantor—Mortgage Loan Purchase and Servicing Standards of the Mortgage Loan Seller” in this information circular. The underwriting standards of Berkadia are consistent in all material respects with the standards and practices set forth above in “—Underwriting Matters”.

The information set forth in this section “—Significant Originators— Berkadia Commercial Mortgage LLC” has been provided by Berkadia. Neither the depositor nor any other person other than Berkadia makes any representation or warranty as to the accuracy or completeness of such information.

## Assignment of the Underlying Mortgage Loans

On or before the Closing Date, the mortgage loan seller will transfer the underlying mortgage loans to us, and we will transfer the underlying mortgage loans to the trustee. The trustee will hold the underlying mortgage loans for the benefit of the certificateholders and Freddie Mac within the meaning of Section 1367(b)(19)(B) of the Federal Housing Enterprises Financial Safety and Soundness Act of 1992, as amended. In each case, the transferor will assign the underlying mortgage loans, without recourse, to the transferee.

In connection with these transfers, on the Closing Date or at such later date as is permitted under the Pooling and Servicing Agreement, the mortgage loan seller will generally be required to deliver or cause the delivery of the mortgage file to the custodian with respect to each of the underlying mortgage loans, which mortgage file will consist of the following documents, among others:

- either—
  1. the original promissory note, endorsed without recourse, representation or warranty (other than as set forth in the mortgage loan purchase agreement) to the order of the trustee or in blank, or
  2. if the original promissory note has been lost, a copy of that note (or an original or a copy of the consolidated debt instrument, as applicable), together with a lost note affidavit and indemnity;
- an original or a copy of the mortgage instrument, and if the particular document has been returned from the applicable recording office, an original or copy of that document from the applicable recording office, and originals or copies or a counterpart of any intervening assignments of that document, in each case, with evidence of recording on the document or certified by the applicable recording office;
- an original of any related loan agreement (if separate from the related mortgage);
- an original or copy of the assignment of the related mortgage instrument in favor of the trustee or in blank, in recordable form except for any missing recording information relating to that mortgage instrument;
- originals or copies of all assumption agreements, modification agreements, written assurance agreements and substitution agreements, if any, in those instances where the terms or provisions of the related mortgage instrument, loan agreement or promissory note have been modified or the underlying mortgage loan has been assumed;
- with respect to any other debt of a borrower or mezzanine borrower permitted under the related underlying mortgage loan, an original or copy of a subordination agreement, standstill agreement or other intercreditor, co-lender or similar agreement relating to such other debt, if any, including any mezzanine loan documents, and a copy of the promissory note relating to such other debt (if such other debt is also secured by the related mortgage);
- original letters of credit, if any, relating to the underlying mortgage loan and all appropriate assignment or amendment documentation related to the assignment to the issuing entity of any letter of credit securing the underlying mortgage loan which entitle the issuing entity to draw on such letter of credit; *provided* that in connection with the delivery of the mortgage file to the issuing entity, any such originals will be delivered to the master servicer and copies of such originals will be delivered to the custodian on behalf of the trustee;
- the original or a copy of any environmental indemnity agreements and copies of any environmental insurance policies pertaining to the mortgaged real properties required in connection with the origination of the underlying mortgage loan, if any;
- the original or copy of any (i) intercreditor agreements and any associated certificates, assignments, assumption agreements or other related documents, (ii) subordination agreement, standstill agreement or other intercreditor, co-lender or similar agreement related to any affiliate debt and (iii) indemnification agreement;
- an original or copy of the lender's title insurance policy or, if a title insurance policy has not yet been issued, a *pro forma* title policy or a "marked up" commitment for title insurance, which in either case is binding on the title insurance company;

- the original or a counterpart of any guaranty of the obligations of the borrower under the underlying mortgage loan, if any;
- an original or copy or a counterpart of the UCC financing statement and an original or copy or a counterpart of any intervening assignments from the applicable Originator to the mortgage loan seller, in the form submitted for recording, or if recorded, with evidence of recording indicated on such UCC financing statement or intervening assignment;
- an original or copy of the UCC financing statement assignments, sufficient to assign each UCC financing statement filed in connection with the related underlying mortgage loan to the trustee;
- the original or a copy of each related collateral assignment of management agreement and each cash management agreement, if any;
- with respect to the Non-Serviced Loan, a copy of the Co-Lender Agreement and the assignment and assumption of the lender's interest in the Co-Lender Agreement and, with respect to the Non-Serviced Companion Loan, a copy of any assignment and assumption of the Non-Serviced Companion Loan Holder's interest in the Co-Lender Agreement;
- the original or copy of any related third-party interest rate cap agreement, if applicable, any amendment of such third-party interest rate cap agreement, and the related notice of assignment of such third party interest rate cap agreement from the mortgage loan seller to the trustee;
- with respect to each Crossed Loan Group, the original or a copy of the related cross-collateralization agreement;
- the original or a copy of any ground lease and any related estoppel certificates, if available; and
- the original or a copy of each related insurance agreement, if any.

The custodian is required to hold all of the documents delivered to it with respect to the underlying mortgage loans in trust for the benefit of the certificateholders under the terms of the Pooling and Servicing Agreement. Within a specified period of time following that delivery, the custodian will be further required to conduct a review of those documents. The scope of the custodian's review of those documents will, in general, be limited solely to confirming that they have been received, that they appear regular on their face (handwritten additions, changes or corrections will not be considered irregularities if initialed by the borrower), that (if applicable) they appear to have been executed and that they purport to relate to an underlying mortgage loan. The trustee, the certificate administrator and the custodian are under no duty or obligation to inspect, review or examine any of the documents in the mortgage file to determine whether the document is valid, effective, enforceable, in recordable form or otherwise appropriate for the represented purpose.

If—

- any of the above-described documents required to be delivered by the mortgage loan seller to the custodian is not delivered or is otherwise defective, and
- that omission or defect materially and adversely affects the value of the underlying mortgage loan, or the interests of any class of certificateholders,

then the omission or defect will constitute a material document defect as to which the issuing entity will have the rights against the mortgage loan seller as described under “—Cures, Repurchases and Substitutions” below.

Within a specified period of time as set forth in the Pooling and Servicing Agreement, the mortgage loan seller or a third-party independent contractor will be required to submit for recording in the real property records of the applicable jurisdiction each of the assignments of recorded loan documents in the trustee's favor described above. Because some of the underlying mortgage loans are newly originated, many of those assignments may not be completed and recorded until the related mortgage instrument, reflecting the necessary recording information, is returned from the applicable recording office.

With respect to the Non-Serviced Loan, the mortgage loan seller will deliver copies of the applicable mortgage file documents (other than the related promissory note and intervening endorsements evidencing the Non-Serviced Loan and an assignment of the lender's interest in the Co-Lender Agreement, with respect to each of which the original will be required), including a copy of the related mortgage instrument securing the Non-Serviced Whole Loan.

### **Representations and Warranties**

As of the Closing Date (or as of the date otherwise indicated on Exhibit C-1 or in the mortgage loan purchase agreement), the mortgage loan seller will make, with respect to each underlying mortgage loan that it is selling to us for inclusion in the issuing entity, representations and warranties that are expected to be generally in the form set forth on Exhibit C-1, subject to exceptions that are expected to be generally in the form set forth on Exhibit C-2. The final forms of those representations and warranties and those exceptions will be made in the mortgage loan purchase agreement between Freddie Mac and us, and will be assigned by us to the trustee under the Pooling and Servicing Agreement. You should carefully consider both those representations and warranties and those exceptions.

If—

- there exists a breach of any of those representations and warranties made by the mortgage loan seller, and
- that breach materially and adversely affects the value of the underlying mortgage loan, or the interests of any class of certificateholders,

then that breach will be a material breach of the representation and warranty. The rights of the certificateholders against the mortgage loan seller with respect to any material breach are described under “—Cures, Repurchases and Substitutions” below.

### **Cures, Repurchases and Substitutions**

If the mortgage loan seller has been notified of, or itself has discovered, a defect in any mortgage file or a breach of any of its representations and warranties that, in either case, materially and adversely affects the value of any underlying mortgage loan (including any REO Property acquired in respect of any foreclosed mortgage loan) or any interests of the holders of any class of certificates, then the mortgage loan seller will be required to take one of the following courses of action:

- cure such breach or defect in all material respects;
- repurchase the affected underlying mortgage loan (or, in the case of the Non-Serviced Loan, if the Non-Serviced Whole Loan has been converted to an REO Property, the issuing entity's allocable interest in such REO Property) at the Purchase Price;
- except with respect to the Non-Serviced Loan, replace the affected underlying mortgage loan with one or more Qualified Substitute Mortgage Loans; *provided* no substitution may occur after the second anniversary of the Closing Date; or
- for certain breaches, reimburse the issuing entity for certain costs.

If the mortgage loan seller replaces an affected underlying mortgage loan with one or more Qualified Substitute Mortgage Loans, then it will be required to pay to the issuing entity the amount, if any, by which—

- the price at which it would have had to purchase the removed mortgage loan, as described in the second bullet point of the preceding paragraph, exceeds
- the Stated Principal Balance of such Qualified Substitute Mortgage Loans as of the due date during the month that it is added to the issuing entity.

The mortgage loan seller must generally complete the cure, repurchase or substitution described above within 90 days following its receipt of notice of the material breach or material document defect. However, unless the material breach or material document defect relates to any mortgage note (or lost note affidavit or indemnity with

respect to such mortgage note), if the material breach or material document defect is capable of being cured, if the mortgage loan seller is diligently attempting to correct the material breach or material document defect and with respect to a material document defect, such underlying mortgage loan is not then a Specially Serviced Mortgage Loan (or, in the case of the Non-Serviced Loan, is not then a specially serviced mortgage loan under the Non-Serviced Companion Loan PSA) and the missing or defective document is not needed to adequately pursue the lender's rights prior to such time, then the mortgage loan seller will generally be entitled to as much as an additional 90 days to complete that cure, repurchase or substitution (unless such material breach or material document defect causes any mortgage loan not to be a "qualified mortgage" within the meaning of the REMIC Provisions) if any underlying mortgage loan is required to be cured, repurchased or substituted for as contemplated above.

In addition to the foregoing, if—

- any underlying mortgage loan is required to be repurchased or substituted as contemplated above, and
- such underlying mortgage loan is cross-defaulted or cross-collateralized with any other underlying mortgage loan in the issuing entity,

then the applicable defect or breach (as the case may be) will be deemed to constitute a defect or breach (as the case may be) as to all underlying mortgage loans in the related Crossed Loan Group for purposes of the above provisions, and the mortgage loan seller will be required to repurchase or replace all underlying mortgage loans in such Crossed Loan Group in accordance with the provisions above unless the special servicer determines that the Crossed Mortgage Loan Repurchase Criteria would be satisfied if the mortgage loan seller were to repurchase or replace only the affected crossed underlying mortgage loan in the related Crossed Loan Group as to which a defect or breach had initially occurred. As to any underlying mortgage loan that is cross-collateralized and cross-defaulted with any other underlying mortgage loan and any date of determination, the "Crossed Mortgage Loan Repurchase Criteria" are as follows:

- the weighted average debt service coverage ratio for all underlying mortgage loans in such Crossed Loan Group that remain in the issuing entity for the four calendar quarters immediately preceding the repurchase or substitution is not less than the greater of (a) the weighted average debt service coverage ratio for all such crossed underlying mortgage loans, including the affected crossed underlying mortgage loan, for the four calendar quarters immediately preceding the repurchase or substitution and (b) 1.25x;
- the weighted average loan-to-value ratio for all underlying mortgage loans in such Crossed Loan Group that remain in the issuing entity determined at the time of repurchase or substitution based on an appraisal (or any other determination of value determined by the special servicer to be a commercially reasonable method permitted to a REMIC, which may include, *provided* that it is determined by the special servicer to be commercially reasonable, an existing or updated appraisal, a broker's price opinion or a tax assessed value) obtained by the special servicer at the expense of the mortgage loan seller is not greater than the least of (a) the weighted average loan-to-value ratio for such crossed underlying mortgage loans including the affected crossed underlying mortgage loan set forth in the tables on Exhibit A-1, (b) the weighted average loan-to-value ratio for such crossed underlying mortgage loans including the affected crossed underlying mortgage loan determined at the time of repurchase or substitution based on an appraisal (or any other determination of value determined by the special servicer to be a commercially reasonable method permitted to a REMIC, which may include, *provided* that it is determined by the special servicer to be commercially reasonable, an existing or updated appraisal, a broker's price opinion or a tax assessed value) obtained by the special servicer at the expense of the mortgage loan seller and (c) 75%; and
- each of the trustee, the certificate administrator and either the master servicer or the special servicer, as applicable, receives an opinion of independent counsel (at the expense of the mortgage loan seller) to the effect that such repurchase or substitution will not result in an Adverse REMIC Event at any time that any certificate is outstanding. In the event that such opinion of counsel cannot be furnished or the mortgage loan seller and the depositor have agreed, pursuant to the mortgage loan purchase agreement, that the repurchase or substitution of only the affected crossed underlying mortgage loan will not be permitted, then the mortgage loan seller will be required to repurchase or substitute for the affected crossed underlying mortgage loan and all underlying mortgage loans in such Crossed Loan Group. Any reserve or other cash collateral or letters of credit securing the crossed underlying mortgage loan will be allocated among such loans in accordance with the loan documents. All other terms of the affected crossed underlying mortgage loans will remain in full force and effect, without any modification of such terms.

For purposes of the Crossed Mortgage Loan Repurchase Criteria, weighted average calculations will be made based on the respective Stated Principal Balances. In the event that each of the Crossed Mortgage Loan Repurchase Criteria would be so satisfied (as determined by the special servicer), the mortgage loan seller may elect either to repurchase or, within two years of the Closing Date, substitute only the affected underlying mortgage loan in the related Crossed Loan Group as to which the defect or breach exists or to repurchase or, within two years of the Closing Date, substitute all of the underlying mortgage loans in such Crossed Loan Group. The determination of the special servicer as to whether the Crossed Mortgage Loan Repurchase Criteria have been satisfied will be conclusive and binding in the absence of manifest error. However, if the mortgage loan seller repurchases or substitutes for an affected underlying mortgage loan in a Crossed Loan Group in the manner prescribed above while the trustee continues to hold any underlying mortgage loans in the related Crossed Loan Group, the mortgage loan seller must also repurchase or replace all of the underlying mortgage loans in such Crossed Loan Group unless (i) the master servicer or the special servicer, as applicable, and each related borrower have agreed to modify, upon such repurchase or substitution, the related loan documents in a manner such that (a) the repurchased or replaced crossed underlying mortgage loan and (b) any underlying mortgage loans in such Crossed Loan Group that were not repurchased or replaced, would no longer be cross-collateralized or cross-defaulted with one another, but in the event that more than one underlying mortgage loan in such Crossed Loan Group remains in the issuing entity, all underlying mortgage loans in the related Crossed Loan Group that remain in the issuing entity will continue to be cross-collateralized and cross-defaulted with one another and (ii) the purchaser of such affected crossed underlying mortgage loan will have furnished each of the trustee, the certificate administrator, the master servicer and the special servicer, at such purchaser's expense, with an opinion of counsel that such modification will not cause an Adverse REMIC Event.

Any of the following document defects with respect to an underlying mortgage loan will be conclusively presumed to materially and adversely affect the interests of a class of certificateholders:

- the absence from the mortgage file of the original signed mortgage note, unless the mortgage file contains a signed lost note affidavit, indemnity and endorsement;
- the absence from the mortgage file of an original or a copy of the signed mortgage;
- the absence from the mortgage file of the original or copy of the lender's title insurance policy (together with all endorsements or riders that were issued with or subsequent to the issuance of such policy), or, if the policy has not yet been issued, a binding written commitment (including a *pro forma* or specimen title insurance policy, which has been accepted or approved in writing by the related title insurance company) relating to the underlying mortgage loan;
- the absence from the mortgage file of the originals or copies of any intervening assignments or endorsements required to create an effective assignment to the trustee on behalf of the issuing entity; or
- the absence from the mortgage file of any required original letter of credit (unless such original has been delivered to the master servicer and a copy of such letter of credit is part of the mortgage file); *provided* that such defect may be cured by providing a substitute letter of credit or a cash reserve; *provided, however*, that with respect to the Non-Serviced Loan, no such defect will exist if copies of the foregoing documents (other than the note and intervening endorsements evidencing such loan and an assignment of the lender's interest in the Co-Lender Agreement, with respect to each of which the original will be required) are included in the mortgage file..

Any defect or any breach that, in either case, causes any underlying mortgage loan not to be a "qualified mortgage" within the meaning of the REMIC Provisions will be deemed a material breach or material document defect, requiring the mortgage loan seller to purchase or substitute for the affected underlying mortgage loan from the issuing entity within 90 days from the discovery of the defect or breach at the applicable purchase price described above and in conformity with the mortgage loan purchase agreement.

This obligation to cure, repurchase, substitute one or more Qualified Substitute Mortgage Loans or reimburse the issuing entity will constitute the sole remedies available to the certificateholders and the trustee for any defect in a mortgage file or any breach on the part of the mortgage loan seller of its representations or warranties regarding the underlying mortgage loans.

## **Changes in Mortgage Pool Characteristics**

The description in this information circular of the mortgage pool is based on the mortgage pool as it is expected to be constituted at the time the offered certificates are issued, with adjustments for the monthly debt service payments due on the underlying mortgage loans on or before the Cut-off Date. Prior to the issuance of the offered certificates, one or more mortgage loans may be removed from the mortgage pool if we consider the removal necessary or appropriate. A limited number of other mortgage loans may be included in the mortgage pool prior to the issuance of the offered certificates, unless including those mortgage loans would materially alter the characteristics of the mortgage pool as described in this information circular. We believe that the information in this information circular will be generally representative of the characteristics of the mortgage pool as it will be constituted at the time the offered certificates are issued. However, the range of mortgage interest rates and maturities, as well as the other characteristics of the underlying mortgage loans described in this information circular, may vary, and the actual initial mortgage pool balance may be as much as 5% larger or smaller than the initial mortgage pool balance specified in this information circular.

## **Certain Legal Aspects of the Underlying Mortgage Loans**

The following discussion contains summaries of certain legal aspects related to underlying mortgage loans secured by mortgaged real properties located in Texas, Florida and New York, where mortgaged real properties securing underlying mortgage loans collectively representing approximately 30.3%, 15.7% and 10.9%, respectively, of the initial mortgage pool balance are located. The summaries are general in nature, do not purport to be complete and are qualified in their entirety by reference to the applicable federal and state laws governing the underlying mortgage loans.

Various states have imposed statutory prohibitions or limitations that limit the remedies of a mortgagee under a mortgage or a beneficiary under a deed of trust. The underlying mortgage loans are limited recourse loans and are, therefore, generally not recourse to the borrowers but limited to the mortgaged real properties. Even if recourse is available pursuant to the terms of an underlying mortgage loan, certain states have adopted statutes which impose prohibitions against or limitations on such recourse. The limitations described below and similar or other restrictions in other jurisdictions where mortgaged real properties are located may restrict the ability of the master servicer or the special servicer, as applicable, to realize on the underlying mortgage loans and may adversely affect the amount and timing of receipts on the underlying mortgage loans.

*Certain Legal Aspects of Mortgaged Real Properties Located in Texas.* Commercial mortgage loans in Texas are generally secured by deeds of trust on the related real estate. Foreclosure of a deed of trust in Texas may be accomplished by either a non-judicial trustee's sale under a specific power-of-sale provision set forth in the deed of trust or by judicial foreclosure. Due to the relatively short period of time involved in a non-judicial foreclosure, the judicial foreclosure process is rarely used in Texas. A judicial foreclosure action must be initiated, and a non-judicial foreclosure must be completed, within four years from the date the cause of action accrues. The cause of action for the unpaid balance of the indebtedness accrues upon the maturity of the indebtedness (by acceleration or otherwise).

Unless expressly waived in the deed of trust, the lender must provide the debtor with a written demand for payment, a notice of intent to accelerate the indebtedness, and a notice of acceleration prior to commencing any foreclosure action. It is customary practice in Texas for the demand for payment to be combined with the notice of intent to accelerate the indebtedness. In addition, with respect to a non-judicial foreclosure sale and notwithstanding any waiver by debtor to the contrary, the lender is statutorily required to (i) provide each debtor obligated to pay the indebtedness a notice of foreclosure sale via certified mail, postage prepaid and addressed to each debtor at such debtor's last known address at least 21 days before the date of the foreclosure sale; (ii) post a notice of foreclosure sale at the courthouse of each county in which the property is located; and (iii) file a notice of foreclosure sale with the county clerk of each county in which the property is located. Such 21 day period includes the entire calendar day on which the notice is deposited with the United States mail and excludes the entire calendar day of the foreclosure sale. The statutory foreclosure notice may be combined with the notice of acceleration of the indebtedness and must contain the location of the foreclosure sale and a statement of the earliest time at which the foreclosure sale will begin. To the extent the mortgage note or deed of trust contains additional notice requirements, the lender must comply with such requirements in addition to the statutory requirements set forth above.

The trustee's sale must be performed pursuant to the terms of the deed of trust and statutory law and must take place between the hours of 10 a.m. and 4 p.m. on the first Tuesday of the month, in the area designated for such sales by the county commissioners' court of the county in which the property is located, and must begin at the time set forth in the notice of foreclosure sale or not later than three hours after that time. If the property is located in multiple counties, the sale may occur in any county in which a portion of the property is located. Under Texas law, the debtor does not have the right to redeem the property after foreclosure. Any action for deficiency must be brought within two years of the foreclosure sale. If the foreclosure sale price is less than the fair market value of the property, the debtor or any obligor (including any guarantor) may be entitled to an offset against the deficiency in the amount by which the fair market value of the property, less the amount of any claim, indebtedness, or obligation of any kind that is secured by a lien or encumbrance on the real property that was not extinguished by the foreclosure, exceeds the foreclosure sale price.

*Certain Legal Aspects of Mortgaged Real Properties Located in Florida.* Mortgage loans involving real property in Florida are secured by mortgages and foreclosures are accomplished by judicial foreclosure. There is no power of sale in Florida. After an action for foreclosure is commenced and the lender secures a judgment, the final judgment will provide that the property be sold at a public sale at the courthouse (or on-line depending on the county) if the full amount of the judgment is not paid prior to the scheduled sale. Generally, the foreclosure sale must occur no earlier than 20 (but not more than 35) days after the judgment is entered. During this period, a notice of sale must be published once a week for two consecutive weeks in the county in which the property is located. There is no right of redemption after the filing of the clerk's certificate at the conclusion of the foreclosure sale. However, a certificate of title transferring title to the foreclosed property is not issued until 10 days after the foreclosure sale and challenges to the foreclosure sale are permitted within that 10-day period. Florida does not have a "one action rule" or "anti-deficiency legislation," and deficiency judgments are permitted to the extent not prohibited by the applicable loan documents. Subsequent to a foreclosure sale, however, a lender may be required to prove the value of the property sold as of the date of foreclosure sale in order to recover a deficiency. Further, other statutory provisions in Florida limit any deficiency judgment (if otherwise permitted) against a borrower following a judicial sale to the excess of the final judgment amount (which generally equals the amount of outstanding debt plus attorneys' fees and other collection costs) over the fair market value of the property at the time of the judicial sale. In certain circumstances, the lender may have a receiver appointed.

*Certain Legal Aspects of Mortgaged Real Properties Located in New York.* Mortgage loans in New York are generally secured by mortgages on the related real estate. Foreclosure of a mortgage is usually accomplished in judicial proceedings. After an action for foreclosure is commenced, and if the lender secures a ruling that is entitled to foreclosure ordinarily by motion for summary judgment, the court then appoints a referee to compute the amount owed together with certain costs, expenses and legal fees of the action. The lender then moves to confirm the referee's report and enter a final judgment of foreclosure and sale. Public notice of the foreclosure sale, including the amount of the judgment, is given for a statutory period of time, after which the mortgaged real estate is sold by a referee at public auction. There is no right of redemption after the foreclosure of sale. In certain circumstances, deficiency judgments may be obtained. Under mortgages containing a statutorily sanctioned covenant, the lender has a right to have a receiver appointed without notice and without regard to the adequacy of the mortgaged real estate as security for the amount owned.

## DESCRIPTION OF THE CERTIFICATES

### General

The certificates will be issued on the Closing Date pursuant to the Pooling and Servicing Agreement. They will represent the entire beneficial ownership interest of the issuing entity. The assets of the issuing entity will include:

- the underlying mortgage loans;
- any and all payments under and proceeds of the underlying mortgage loans received after the Cut-off Date, in each case exclusive of payments of principal, interest and other amounts due on or before that date and exclusive of any fees paid or payable to Freddie Mac in connection with any pre-approved servicing request with respect to an underlying mortgage loan set forth in the Pooling and Servicing Agreement; *provided, however*, that the Retained Interest Amount is required to be remitted to the mortgage loan seller in accordance with the requirements of the Pooling and Servicing Agreement;

- the loan documents for the underlying mortgage loans;
- our rights under the mortgage loan purchase agreement;
- the issuing entity’s interest in any REO Properties acquired with respect to Defaulted Loans; and
- those funds or assets as from time to time are deposited in the collection account described under “The Pooling and Servicing Agreement—Collection Account” in this information circular, the special servicer’s REO accounts described under “The Pooling and Servicing Agreement—Realization Upon Mortgage Loans—REO Properties” in this information circular, the distribution account described under “—Distribution Account” below or any servicing account (in the case of a servicing account, to the extent of the issuing entity’s interest in that account) and, with respect to the Non-Serviced Loan, the issuing entity’s interest in any similar accounts created pursuant to the Non-Serviced Companion Loan PSA and the Co-Lender Agreement; and
- with respect to the Non-Serviced Loan, the rights conferred on the issuing entity by the terms of the Non-Serviced Companion Loan PSA and the Co-Lender Agreement.

The certificates will include the following classes:

- the class AS and XS certificates, which are the classes of certificates that are offered by this information circular and have the benefit of the Freddie Mac Guarantee; and
- the class CS and R certificates, which are the classes of certificates that—
  1. will be retained or privately placed by us;
  2. are not offered by this information circular; and
  3. do not have the benefit of the Freddie Mac Guarantee.

The class AS and CS certificates are the certificates that will have principal balances (collectively, the “Principal Balance Certificates”). The outstanding principal balance of any of these certificates will represent the total distributions of principal to which the holder of the certificate is entitled over time out of payments, or advances in lieu of payments, and other collections on the assets of the issuing entity or, with respect to the class AS certificates, the Freddie Mac Guarantee. Accordingly, on each distribution date, the outstanding principal balance of each of these certificates will be permanently reduced by any principal distributions actually made with respect to the certificates on that distribution date, including any Balloon Guarantor Payment. See “—Distributions” below. On any particular distribution date, the outstanding principal balance of each of these certificates may also be permanently reduced, without any corresponding distribution, in connection with losses on the underlying mortgage loans and default-related and otherwise unanticipated issuing entity expenses. See “—Reductions of Certificate Principal Balances in Connection with Realized Losses and Additional Issuing Entity Expenses” below.

The class XS and R certificates will not have principal balances, and the holders of those certificates will not be entitled to receive distributions of principal. However, for purposes of calculating the accrual of interest as of any date of determination, the class XS certificates will have a notional amount that is equal to (i) the total outstanding principal balance of the Principal Balance Certificates divided by (ii) the Reduction Factor.

In general, outstanding principal balances and notional amounts will be reported on a class-by-class basis. In order to determine the outstanding principal balance or notional amount of any of the offered certificates from time to time, you may multiply the original principal balance or notional amount of that certificate as of the Closing Date, as specified on the face of that certificate, by the then-applicable certificate factor for the relevant class. The certificate factor for any class of certificates, as of any date of determination, will equal a fraction, expressed as a percentage, the numerator of which will be the then-outstanding principal balance or notional amount of that class, and the denominator of which will be the original principal balance or notional amount of that class. Certificate factors will be reported monthly in the certificate administrator’s report.

## Registration and Denominations

The class AS certificates will be issued to Freddie Mac in physical form in original denominations of \$10,000 initial principal balance and in any whole dollar denomination in excess of \$10,000. The class XS certificates will be issued to Freddie Mac in physical form in original denominations of \$100,000 initial notional amount and in any whole dollar denomination in excess of \$100,000.

## Distribution Account

*General.* The certificate administrator must establish and maintain an account in which it will hold funds pending their distribution on the certificates and from which it will make those distributions. That distribution account must be maintained in a manner and with a depository institution that meets the requirements of the Pooling and Servicing Agreement. Funds held in the distribution account may be held in cash or, at the certificate administrator's risk, invested in Permitted Investments. Subject to the limitations in the Pooling and Servicing Agreement, any interest or other income earned on funds in the distribution account will be paid to the certificate administrator as additional compensation.

*Deposits.* On the Business Day prior to each distribution date (the "Remittance Date"), the master servicer will be required to remit to the certificate administrator for deposit in the distribution account the following funds:

- All payments and other collections on the underlying mortgage loans and any REO Properties (including with respect to the Non-Serviced Loan, payments and collections received from the Non-Serviced Companion Loan Master Servicer pursuant to the Non-Serviced Companion Loan PSA and the Co-Lender Agreement) on deposit in the collection account as of close of business on the second Business Day prior to the Remittance Date, exclusive of any portion of those payments and other collections that represents one or more of the following:
  1. monthly debt service payments due on a due date subsequent to the end of the related Collection Period;
  2. payments and other collections received after the end of the related Collection Period;
  3. amounts that are payable or reimbursable from the collection account to any person other than the certificateholders, in accordance with the terms of the Pooling and Servicing Agreement, including—
    - (i) amounts payable to the master servicer (or a sub-servicer), the special servicer, the Approved Directing Certificateholder (if any) or any Affiliated Borrower Loan Directing Certificateholder as compensation, including master servicing fees, sub-servicing fees, special servicing fees, master servicer surveillance fees, special servicer surveillance fees, workout fees, liquidation fees, assumption fees, assumption application fees, modification fees, extension fees, consent fees, waiver fees, earnout fees, Transfer Fees, Transfer Processing Fees and similar charges and, to the extent not otherwise applied to cover interest on advances and/or other Additional Issuing Entity Expenses with respect to the related underlying mortgage loan, Default Interest and late payment charges, or as indemnification;
    - (ii) amounts payable to the master servicer (for itself or on behalf of certain indemnified sub-servicers) and the special servicer;
    - (iii) amounts payable in reimbursement of outstanding advances, together with interest on those advances; and
    - (iv) amounts payable with respect to other issuing entity expenses including, without limitation, fees, expenses and indemnities of the trustee and the certificate administrator/custodian (including interest on such amounts, if applicable, and subject to the Trustee Aggregate Annual Cap, the Certificate Administrator/Custodian Aggregate Annual Cap and the Trustee/Certificate Administrator/Custodian Aggregate Annual Cap, as applicable);
  4. net investment income on the funds in the collection account; and
  5. amounts deposited in the collection account in error.

- Any advances of delinquent monthly debt service payments made by the master servicer with respect to that distribution date.
- Any payments made by the master servicer to cover Prepayment Interest Shortfalls incurred during the related Collection Period.

See “—Advances of Delinquent Monthly Debt Service Payments” below and “The Pooling and Servicing Agreement—Collection Account” and “—Servicing and Other Compensation and Payment of Expenses” in this information circular.

The certificate administrator will be authorized, but will not be obligated, to invest or direct the investment of funds held in the distribution account in Permitted Investments. It will be—

- entitled to retain any interest or other income earned on those funds; and
- required to cover any losses of principal of those investments from its own funds, but the certificate administrator is not required to cover any losses caused by the insolvency of the depository institution or trust company holding such account so long as (i) such depository institution or trust company (a) satisfied the requirements set forth in the Pooling and Servicing Agreement at the time such investment was made and (b) is neither the certificate administrator nor an affiliate of the certificate administrator and (ii) such insolvency occurs within 30 days of the date on which such depository institution or trust company no longer satisfies the requirements set forth in the Pooling and Servicing Agreement.

*Withdrawals.* The certificate administrator may from time to time make withdrawals from the distribution account for any of the following purposes without regard to the order below:

- to pay itself monthly certificate administrator fees, and to the trustee, monthly trustee fees, each as described under “The Pooling and Servicing Agreement—Matters Regarding the Trustee, the Certificate Administrator and the Custodian” in this information circular;
- to reimburse and pay to the trustee and the master servicer, in that order, for outstanding and unreimbursed nonrecoverable advances and accrued and unpaid interest on such amounts, to the extent it or the master servicer is not reimbursed from the collection account;
- (i) to reimburse the Guarantor for any unreimbursed Balloon Guarantor Payment, together with any related Timing Guarantor Interest, from collections on any Balloon Loan as to which any such Balloon Guarantor Payment was made (net of any such amount used to reimburse the master servicer or the trustee for advances, together with interest on such amounts) and (ii) to reimburse the Guarantor for any unreimbursed Guarantor Reimbursement Amounts from any liquidation fees, workout fees, servicing fees, special servicing fees or other fees or amounts collected in connection with the liquidation or other disposition of an underlying mortgage loan solely to the extent that the party entitled to any such amount has already been paid such amount from other collections on such underlying mortgage loan and the original payment of such amount resulted in a Deficiency Amount (net of any such amount used to reimburse the master servicer or the trustee for advances, together with interest on such amounts);
- to pay the Guarantor the Guarantee Fee;
- without duplication, to pay indemnity amounts to itself, the custodian, the trustee, the depositor, the master servicer (including on behalf of certain indemnified sub-servicers), the special servicer, Freddie Mac (in its capacity as servicing consultant) and various related persons, subject to the relevant Aggregate Annual Caps, as described under “The Pooling and Servicing Agreement—Certain Indemnities” in this information circular;
- to pay for any opinions of counsel required to be obtained in connection with any amendments to the Pooling and Servicing Agreement, to the extent that the issuing entity is responsible for the cost of such opinions of counsel under the Pooling and Servicing Agreement and, if applicable, to pay for the fees of the trustee for confirming the special servicer’s determination of Fair Value of a Defaulted Loan;

- to pay any federal, state and local taxes imposed on the issuing entity, its assets and/or transactions, together with all incidental costs and expenses, including such taxes, that are required to be borne by the issuing entity as described under “The Pooling and Servicing Agreement—Realization Upon Mortgage Loans—REO Properties” in this information circular; and
- to pay any amounts deposited in the distribution account in error to the person entitled to them.

On each distribution date, all amounts on deposit in the distribution account, exclusive of any portion of those amounts that are to be withdrawn for the purposes contemplated in the prior paragraph, will be applied by the certificate administrator on each distribution date to make distributions on the certificates and to the Guarantor (with respect to the Guarantor Reimbursement Amounts and Guarantor Reimbursement Interest Amounts). Generally, for each distribution date, such amounts will be distributed to certificateholders in two separate components:

- those funds, referred to in this information circular as the Available Distribution Amount, which will be paid to the holders of all the certificates and the Guarantor, who is entitled to the Guarantee Fee, as described under “—Distributions—Priority of Distributions” below; and
- the portion of those funds that represent Static Prepayment Premiums, if any, collected on the underlying mortgage loans during the related Collection Period, which will be paid to the holders of the class XS certificates, as described under “—Distributions—Distributions of Static Prepayment Premiums” below.

## Fees and Expenses

The amounts available for distribution on the certificates on any distribution date will generally be net of the following amounts which accrue at the fee rates shown and are payable to the master servicer, the special servicer, the trustee, the certificate administrator, the custodian, the Guarantor or the Approved Directing Certificateholder (if any), as applicable:

Type/Recipient	Amount/Fee Rate	Frequency	Source of Funds
<u>Fees</u>			
Master Servicing Fee and Sub-Servicing Fee / Master Servicer and Sub-Servicers	<p>the Stated Principal Balance of each underlying mortgage loan (including the Non-Serviced Loan) multiplied by 0.02000% <i>per annum</i> (calculated using the same interest accrual basis of such underlying mortgage loan) and</p> <p>the Stated Principal Balance of each underlying mortgage loan (other than the Non-Serviced Loan) multiplied by the applicable sub-servicing fee rate (excluding any applicable Securitization Compensation Rate) ranging from 0.05000% <i>per annum</i> to 0.14000% <i>per annum</i> (calculated using the same interest accrual basis of such underlying mortgage loan)</p>	monthly	interest payments on the related underlying mortgage loan or, with respect to liquidated underlying mortgage loans, general collections if Liquidation Proceeds are not sufficient
Master Servicer Surveillance Fee / Master Servicer and Sub-Servicers	<p>the Stated Principal Balance of each Surveillance Fee Mortgage Loan multiplied by 0.01750% <i>per annum</i> (calculated using the same interest accrual basis of such Surveillance Fee Mortgage Loan) (subject to any applicable sub-servicer's entitlement to a portion of the master servicer surveillance fee equal to 0.01000% <i>per annum</i> multiplied by the Stated Principal Balance of each such Surveillance Fee Mortgage Loan pursuant to the applicable Sub-Servicing Agreement as described in "The Pooling and Servicing Agreement—Servicing and Other Compensation and Payment of Expenses" in this information circular)</p>	monthly	interest payments on the related underlying mortgage loan or, with respect to liquidated underlying mortgage loans, general collections if Liquidation Proceeds are not sufficient
Additional Servicing Compensation / Master Servicer	<ul style="list-style-type: none"> <li>all late payment fees and Default Interest (other than on Specially Serviced Mortgage Loans) not used to pay interest on advances with respect to the related underlying mortgage loans (other than the Non-Serviced Loan)</li> </ul>	from time to time	the related fee

Type/Recipient	Amount/Fee Rate	Frequency	Source of Funds
	<ul style="list-style-type: none"> <li>60% of any Transfer Fees collected on or with respect to any non-Specially Serviced Mortgage Loans (other than the Non-Serviced Loan) for Transfers or substitutions that require the consent or review of the Approved Directing Certificateholder or Affiliated Borrower Loan Directing Certificateholder (or 100% of such fees if the directing certificateholder is not an Approved Directing Certificateholder)</li> </ul>	from time to time	the related fee
	<ul style="list-style-type: none"> <li>100% of any Transfer Fees collected on or with respect to any non-Specially Serviced Mortgage Loans (other than the Non-Serviced Loan) for Transfers or substitutions that do not require the consent or review of the Approved Directing Certificateholder or Affiliated Borrower Loan Directing Certificateholder (a portion of which may be payable to a sub-servicer under a related Sub-Servicing Agreement)</li> </ul>	from time to time	the related fee
	<ul style="list-style-type: none"> <li>all Transfer Processing Fees collected on or with respect to any underlying mortgage loans (other than the Non-Serviced Loan) that are not Specially Serviced Mortgage Loans (a portion of which may be payable to a sub-servicer under a related Sub-Servicing Agreement)</li> </ul>	from time to time	the related fee
	<ul style="list-style-type: none"> <li>all investment income earned on amounts on deposit in the collection account and certain escrow and reserve accounts</li> </ul>	monthly	investment income
Special Servicing Fee / Special Servicer	the Stated Principal Balance of each Specially Serviced Mortgage Loan or REO Loan (other than an REO Loan related to the Non-Serviced Loan) multiplied by 0.25000% <i>per annum</i> (calculated using the same interest accrual basis of such underlying mortgage loan)	monthly	general collections

<b>Type/Recipient</b>	<b>Amount/Fee Rate</b>	<b>Frequency</b>	<b>Source of Funds</b>
Special Servicer Surveillance Fee / Special Servicer	the Stated Principal Balance of each Surveillance Fee Mortgage Loan multiplied by 0.01331% <i>per annum</i> (calculated using the same interest accrual basis of such Surveillance Fee Mortgage Loan)	monthly	interest payments on the related underlying mortgage loan or, with respect to liquidated underlying mortgage loans, general collections if Liquidation Proceeds are not sufficient
Workout Fee / Special Servicer	1.0% of each collection of principal and interest on each Corrected Mortgage Loan (other than the Non-Serviced Loan)	monthly	the related collections of principal and interest
Liquidation Fee / Special Servicer	1.0% of each recovery of net Liquidation Proceeds or proceeds from a full, partial or discounted payoff (other than on the Non-Serviced Loan), except as specified under “The Pooling and Servicing Agreement—Servicing and Other Compensation and Payment of Expenses” in this information circular	upon receipt of Liquidation Proceeds	the related Liquidation Proceeds
Additional Special Servicing Compensation / Special Servicer	<ul style="list-style-type: none"> <li>all late payment fees and net Default Interest on Specially Serviced Mortgage Loans not used to pay interest on advances and certain Additional Issuing Entity Expenses with respect to the related underlying mortgage loans</li> </ul>	from time to time	the related fee
	<ul style="list-style-type: none"> <li>100% of commercially reasonable fees actually paid by the related borrower on modifications, extensions, earnouts, consents and other actions for Specially Serviced Mortgage Loans</li> </ul>	from time to time	the related fee
	<ul style="list-style-type: none"> <li>100% of assumption application fees, assumption fees, substitution of collateral consent application fees and related fees on Specially Serviced Mortgage Loans when received from the borrower for such purpose</li> </ul>	from time to time	the related fee
	<ul style="list-style-type: none"> <li>all investment income received on funds in any REO account</li> </ul>	from time to time	investment income

<b>Type/Recipient</b>	<b>Amount/Fee Rate</b>	<b>Frequency</b>	<b>Source of Funds</b>
Fees / Approved Directing Certificateholder or Affiliated Borrower Loan Directing Certificateholder	40% of any Transfer Fees collected on or with respect to any non-Specially Serviced Mortgage Loans (other than the Non-Serviced Loan) for Transfers or substitutions that require the consent or review of the Approved Directing Certificateholder or the Affiliated Borrower Loan Directing Certificateholder	from time to time	the related fee
Trustee Fee / Trustee	0.00060% <i>per annum</i> multiplied by the Stated Principal Balance of the underlying mortgage loans (calculated using the same interest accrual basis as each underlying mortgage loan)	monthly	general collections
Certificate Administrator Fee / Certificate Administrator	0.00325% <i>per annum</i> multiplied by the Stated Principal Balance of the underlying mortgage loans (calculated using the same interest accrual basis as each underlying mortgage loan)	monthly	general collections
Guarantee Fee / Guarantor	0.45000% <i>per annum</i> multiplied by the outstanding principal balance of the class AS certificates (calculated on an Actual/360 Basis)	monthly	general collections
MHC Tenant Protections Fee / Guarantor	any MHC Tenant Protections Fees collected	from time to time	the related fee
Affordability Noncompliance Fees / Guarantor	any Affordability Noncompliance Fees collected	from time to time	the related fee
CREFC® Intellectual Property Royalty License Fee / CREFC®	0.00035% <i>per annum</i> multiplied by the Stated Principal Balance of the underlying mortgage loans (calculated using the same interest accrual basis as each underlying mortgage loan)	monthly	general collections
<u>Expenses</u>			
Servicing Advances / Master Servicer, Special Servicer and Trustee	to the extent of funds available, the amount of any Servicing Advances	from time to time	collections on the related underlying mortgage loan, or if not recoverable, from general collections
Interest on Servicing Advances / Master Servicer, Special Servicer and Trustee	at Prime Rate	when advance is reimbursed	first from Default Interest/late payment fees, then from general collections
P&I Advances / Master Servicer and Trustee	to the extent of funds available, the amount of any P&I Advances	from time to time	collections on the related underlying mortgage loan (including the Non-Serviced Loan), or if not recoverable, from general collections

<b>Type/Recipient</b>	<b>Amount/Fee Rate</b>	<b>Frequency</b>	<b>Source of Funds</b>
Interest on P&I Advances / Master Servicer and Trustee	at Prime Rate	when advance is reimbursed	first from Default Interest/late payment fees, then from general collections
Indemnification Expenses / Depositor, Trustee, Certificate Administrator/Custodian, Master Servicer, Special Servicer and Freddie Mac	amounts for which the depositor, the trustee, the certificate administrator/custodian, the master servicer (for itself or on behalf of certain indemnified sub-servicers), Freddie Mac (in its capacity as the servicing consultant) and the special servicer are entitled to indemnification, in each case, up to the related Aggregate Annual Cap in each calendar year until paid in full	from time to time	general collections
Interest on Unreimbursed Indemnification Expenses / Depositor, Trustee, Custodian, Certificate Administrator, Master Servicer, Special Servicer and Freddie Mac	at Prime Rate	when Unreimbursed Indemnification Expenses are reimbursed	general collections

## **Distributions**

*General.* On each distribution date, the certificate administrator will, subject to the applicable available funds and the exception described in the next sentence, make all distributions required to be made on the certificates on that date to the holders of record as of the record date, which will be the close of business on the last Business Day of the calendar month preceding the month in which those distributions are to be made. The final distribution on any offered certificate, however, will be made only upon presentation and surrender of that certificate at the location to be specified in a notice of the pendency of that final distribution.

Distributions made to a class of certificateholders will be allocated among those certificateholders in proportion to their respective percentage interests in that class.

*Interest Distributions.* All of the classes of certificates will bear interest, except for the class R certificates.

With respect to each interest-bearing class of certificates, interest will accrue on an Actual/360 Basis during each Interest Accrual Period based on:

- the pass-through rate with respect to that class for that Interest Accrual Period; and
- the outstanding principal balance or notional amount, as the case may be, of that class outstanding immediately prior to the related distribution date.

On each distribution date, subject to the Available Distribution Amount for that date and the distribution priorities described under “—Priority of Distributions” below and, in the case of the offered certificates, subject to the Freddie Mac Guarantee, the holders of each interest-bearing class of certificates will be entitled to receive—

- the total amount of interest accrued during the related Interest Accrual Period with respect to that class of certificates, reduced (to not less than zero) by
- the total portion of any Net Aggregate Prepayment Interest Shortfall for that distribution date that is allocable to that class of certificates.

If the holders of any interest-bearing class of certificates do not receive all of the interest to which they are entitled on any distribution date, as described in the prior two paragraphs (including by means of a Guarantor Payment), then they will continue to be entitled to receive the unpaid portion of that interest on future distribution dates (such unpaid amount being referred to as an “Unpaid Interest Shortfall”), subject to the Available Distribution Amount for those future distribution dates and the distribution priorities described below.

The portion of any Net Aggregate Prepayment Interest Shortfall for any distribution date that is allocable to reduce the current accrued interest then payable with respect to any particular interest-bearing class of certificates will be allocated to the class AS, XS and CS certificates based on the amount of interest (exclusive of any applicable Additional Interest Accrual Amounts) to which such classes are entitled for such distribution date based on their respective pass-through rates. However, such Net Aggregate Prepayment Interest Shortfalls with respect to the offered certificates will be covered under the Freddie Mac Guarantee.

If, for any distribution date, with respect to the class CS certificates, the Weighted Average Net Mortgage Pass-Through Rate for such distribution date is less than SOFR (or the Alternate Index, if applicable) plus the specified margin for such class of certificates, such class will be entitled to an Additional Interest Accrual Amount for such class and such distribution date to the extent funds are available for the payment of such amount from the amount of interest otherwise payable to the class XS certificates on such distribution date in accordance with the payment priorities further described below.

The “Additional Interest Accrual Amount” means, with respect to each distribution date and the class CS certificates, the amount, if any, by which interest on the outstanding principal balance of such class for the related Interest Accrual Period calculated at a rate of SOFR (or the Alternate Index, if applicable) plus the specified margin for such class exceeds the amount of interest accrued on the outstanding principal balance of such class at the Weighted Average Net Mortgage Pass-Through Rate for such distribution date.

Any Additional Interest Accrual Amount for a distribution date is required to be paid to the class CS certificates up to the amount of Additional Interest Accrual Amount to which such class is entitled on such distribution date.

The amount of interest payable to the class XS certificates on any distribution date will be the Class XS Interest Distribution Amount. The “Class XS Interest Distribution Amount” means, for each distribution date, the sum of (a) the excess, if any, of (i) the Class XS Interest Accrual Amount for such distribution date over (ii) the Additional Interest Accrual Amount, if any, for the class CS certificates with respect to such distribution date and (b) the amount described in clause (a) above for all prior distribution dates that remains unpaid on such distribution date.

To the extent that funds are not available to pay any Additional Interest Accrual Amount on any distribution date on the class CS certificates, such Additional Interest Accrual Amount will not be distributable on future distribution dates.

*Calculation of Pass-Through Rates.* Each class identified in the table on page 5 as having a pass-through rate of SOFR plus a specified margin has a *per annum* pass-through rate equal to the lesser of—

(i) SOFR (or the Alternate Index, if applicable) plus the specified margin for that class set forth in that table; and

(ii) (a) with respect to the class AS certificates, the Weighted Average Net Mortgage Pass-Through Rate for the related distribution date minus the Guarantee Fee Rate and (b) with respect to the class CS certificates, the Weighted Average Net Mortgage Pass-Through Rate for the related distribution date;

*provided* that in no event will the class AS pass-through rate or the class CS pass-through rate be less than zero.

The pass-through rate for each such class is a floating rate based on SOFR. SOFR for the certificates is determined in the same manner and on the same date as SOFR is determined for the underlying mortgage loans, as described under “Description of the Underlying Mortgage Loans—Certain Terms and Conditions of the Underlying Mortgage Loans—Mortgage Interest Rates; Calculations of Interest” in this information circular.

A “Certificate Index Conversion Event” will occur upon conversion of the underlying mortgage loans to an Alternate Index. Upon the occurrence of any Certificate Index Conversion Event, (i) Freddie Mac will be required to promptly determine, in its sole discretion, the Alternate Index for the certificates and (ii) Freddie Mac will have the right to make Alternate Index Conforming Changes in connection with the determination of such Alternate Index for the certificates. The Alternate Index for the certificates is not required to be the same as the Alternate Index for the underlying mortgage loans and such Alternate Indexes may not move in tandem with each other. In connection with making Alternate Index Conforming Changes, to the extent that Freddie Mac determines, in its sole discretion,

that a change materially affects the interests of the holders of one or more classes of certificates, Freddie Mac will promptly provide notice of such change to the certificate administrator. Following receipt of such notice, the certificate administrator will be required to promptly post a “special notice” of any such notice on the certificate administrator’s website.

Freddie Mac will be required to notify the parties to the Pooling and Servicing Agreement, the directing certificateholder and the Calculation Agent of the occurrence of a Certificate Index Conversion Event, a Loan Index Conversion Event or a Term SOFR Transition Date, in each case, within 3 Business Days after the occurrence of such event (a “Certificate Index Conversion Notice,” a “Loan Index Conversion Notice” or a “Term SOFR Transition Date Notice,” as applicable). Freddie Mac will provide notice of the Alternate Index with respect to any applicable underlying mortgage loan and the certificates (each, an “Alternate Index Notice”) to the parties to the Pooling and Servicing Agreement, the directing certificateholder and the Calculation Agent within 3 Business Days after the determination of the Alternate Index. Within 3 Business Days of receipt of the Term SOFR Transition Date Notice, Certificate Index Conversion Notice, Loan Index Conversion Notice or Alternate Index Notice from Freddie Mac, the certificate administrator will be required to post a “special notice” of the occurrence of a Term SOFR Transition, Certificate Index Conversion Event or Loan Index Conversion Event, or the determination of the Alternate Index, as applicable, on the certificate administrator’s website. Within 5 Business Days of receipt of the Alternate Index Notice from Freddie Mac, the master servicer will be required to notify the applicable borrowers of any Alternate Index with respect to any underlying mortgage loan. Beginning on the Certificate Index Conversion Date, the pass-through rates for the class AS and CS certificates will be calculated using the Alternate Index specified in the Alternate Index Notice. The parties to the Pooling and Servicing Agreement and the Calculation Agent will be entitled to conclusively rely without further investigation or inquiry on (i) Freddie Mac’s determination that a Term SOFR Transition has occurred, (ii) Freddie Mac’s determination that a Certificate Index Conversion Event or a Loan Index Conversion Event has occurred, (iii) Freddie Mac’s selection of the Alternate Index and (iv) Freddie Mac’s calculation of any Adjustment Factor.

The class XS and R certificates will not have principal balances, and the holders of those certificates will not be entitled to receive distributions of principal. However, for purposes of calculating the accrual of interest as of any date of determination, the class XS certificates will have a notional amount that is equal to (i) the total outstanding principal balance of the Principal Balance Certificates divided by (ii) the Reduction Factor.

The “Class XS Pass-Through Rate” means, for each Interest Accrual Period, the product of (i) the weighted average of the Class XS Strip Rates (weighted based on the relative sizes of their respective components) and (ii) the Reduction Factor. The “Class XS Strip Rates” means, for the purposes of calculating the Class XS Pass-Through Rate, the *per annum* rates at which interest accrues from time to time on the two components of the notional amount of the class XS certificates outstanding immediately prior to the related distribution date. One component will be comprised of the outstanding principal balance of the class AS certificates and one component will be comprised of the outstanding principal balance of the class CS certificates. For purposes of calculating the Class XS Pass-Through Rate for each Interest Accrual Period, (a) the Class XS Strip Rate with respect to the component related to the class AS certificates will be a *per annum* rate equal to the excess, if any, of (i) the Weighted Average Net Mortgage Pass-Through Rate for the related distribution date minus the Guarantee Fee Rate over (ii) the pass-through rate for the class AS certificates; and (b) the Class XS Strip Rate with respect to the component related to the class CS certificates will be a *per annum* rate equal to the excess, if any, of (i) the Weighted Average Net Mortgage Pass-Through Rate for the related distribution date over (ii) the pass-through rate for the class CS certificates. In no event will any Class XS Strip Rate be less than zero.

The class R certificates will not be interest-bearing and, therefore, will not have a pass-through rate.

*Principal Distributions.* Subject to the Available Distribution Amount and the distribution priorities described under “—Priority of Distributions” below, the total amount of principal payable with respect to the Principal Balance Certificates on each distribution date will equal the Principal Distribution Amount for that distribution date.

The certificate administrator will be required to make *pro rata* principal distributions on each distribution date, so long as no Waterfall Trigger Event has occurred and is continuing, on the class AS and CS certificates, based on their respective outstanding principal balances relative to the total outstanding principal balance of the Principal Balance Certificates and taking account of whether the payments (or advances in lieu of the payments) and other collections of principal that are to be distributed were received and/or made with respect to the underlying mortgage loans, that generally equal an amount (in any event, not to exceed the principal balances of the class AS and CS

certificates outstanding immediately prior to the applicable distribution date) equal to the Performing Loan Principal Distribution Amount for such distribution date; *provided* that distributions to the class CS certificates will follow reimbursement to Freddie Mac of guarantee payments with respect to the class AS and XS certificates. However, if a Waterfall Trigger Event has occurred and is continuing, the class AS certificates will be entitled to receive the entire Performing Loan Principal Distribution Amount for each distribution date until the outstanding principal balance of the class AS certificates has been reduced to zero. Thereafter, following reimbursement to Freddie Mac of guarantee payments with respect to the class AS and XS certificates, any remaining portion of the Performing Loan Principal Distribution Amount on the applicable distribution date will be allocated to the class CS certificates until the outstanding principal balance of such class has been reduced to zero. Further, the class AS certificates will always be entitled to receive the entire portion of the Specially Serviced Loan Principal Distribution Amount for each distribution date until the outstanding principal balance of the class AS certificates has been reduced to zero, at which time, following reimbursement to Freddie Mac of guarantee payments with respect to the offered certificates, the class CS certificates will be entitled to receive any remaining portion of the Specially Serviced Loan Principal Distribution Amount until the outstanding principal balance of such class has been reduced to zero.

If the master servicer or the trustee is reimbursed for any Nonrecoverable Advance or Workout-Delayed Reimbursement Amount (together with accrued interest on such amounts), such amount will be deemed to be reimbursed first out of payments and other collections of principal on all the underlying mortgage loans (thereby reducing the Principal Distribution Amount on the related distribution date), prior to being deemed reimbursed out of payments and other collections of interest on all the underlying mortgage loans. See “—Advances of Delinquent Monthly Debt Service Payments” below and “The Pooling and Servicing Agreement—Servicing and Other Compensation and Payment of Expenses—Servicing Advances” in this information circular.

*Loss Reimbursement Amounts.* As discussed under “—Reductions of Certificate Principal Balances in Connection with Realized Losses and Additional Issuing Entity Expenses” below, the outstanding principal balance of any class of Principal Balance Certificates may be reduced without a corresponding distribution of principal. If that occurs, then, subject to the Freddie Mac Guarantee in the case of the class AS certificates and the Available Distribution Amount for each subsequent distribution date and the priority of distributions described below, the holders of that class will be entitled to be reimbursed for the amount of that reduction, without interest. References to “loss reimbursement amount” in this information circular mean, in the case of any class of Principal Balance Certificates, for any distribution date, the total amount to which the holders of that class are entitled as reimbursement for all previously unreimbursed reductions, if any, made in the outstanding principal balance of that class on all prior distribution dates as discussed under “—Reductions of Certificate Principal Balances in Connection with Realized Losses and Additional Issuing Entity Expenses” below.

*Freddie Mac Guarantee.* On each distribution date following the receipt from the certificate administrator of a statement to certificateholders that indicates a Deficiency Amount for any class of Guaranteed Certificates for such distribution date, the Guarantor will distribute the related Guarantor Payment in an aggregate amount equal to the Deficiency Amount for such class of Guaranteed Certificates for such distribution date directly to the holders of such class of certificates, without first depositing such amount in the collection account or distribution account. Any Guarantor Payment made to the class AS certificates in respect of a Deficiency Amount relating to principal (but not in respect of reimbursement of Realized Losses, including those resulting from Additional Issuing Entity Expenses) will reduce the outstanding principal balance of such class by a corresponding amount and will also result in a corresponding reduction in the notional amount of the corresponding component of the class XS certificates. On each distribution date on which a Guarantor Payment is due with respect to any class of offered certificates, the Guarantor is required to notify the certificate administrator, the trustee, the master servicer and the special servicer that such Guarantor Payment has been made in full (or if such Guarantor Payment was not paid in full, the amount that was unpaid), and specifying the amount of such Guarantor Payment made to each class of Guaranteed Certificates. The Freddie Mac Guarantee does not cover any Static Prepayment Premiums or any other prepayment fees or charges related to the underlying mortgage loans. In addition, the Freddie Mac Guarantee does not cover any loss of yield on the class XS certificates due to the payment of Additional Interest Accrual Amounts to the class CS certificates or a reduction in the notional amount of its corresponding component resulting from a reduction of the outstanding principal balance of any class of Principal Balance Certificates. In addition, Freddie Mac will be entitled to the Guarantee Fee. The Freddie Mac Guarantee is not backed by the full faith and credit of the United States. If the Guarantor were unable to pay under the Freddie Mac Guarantee, the offered certificates could be subject to losses.

*Priority of Distributions.* On each distribution date, the certificate administrator will apply the Available Distribution Amount for that date to make the following distributions in the following order of priority, in each case to the extent of the remaining portion of the Available Distribution Amount:

<b>Order of Distribution</b>	<b>Recipient</b>	<b>Type and Amount of Distribution</b>
1 <sup>st</sup>	AS and XS	Interest up to the total interest distributable on those classes based on their respective pass-through rates (including Unpaid Interest Shortfalls from prior distribution dates), <i>pro rata</i> based on such entitlements to interest, <i>provided</i> that the amounts distributable pursuant to this priority 1 <sup>st</sup> on the class XS certificates will be distributed pursuant to the paragraph immediately following this table
2 <sup>nd</sup>	AS	In the following order of priority: <i>first</i> , (x) so long as no Waterfall Trigger Event has occurred and is continuing, the <i>pro rata</i> share of Performing Loan Principal Distribution Amounts such class is entitled to receive based on that class's outstanding principal balance relative to the total outstanding principal balance of the Principal Balance Certificates, up to the total Performing Loan Principal Distribution Amount distributable on the class AS certificates or (y) if a Waterfall Trigger Event has occurred and is continuing, up to the Performing Loan Principal Distribution Amount, and <i>second</i> , up to the Specially Serviced Loan Principal Distribution Amount, if any; in each case, until the outstanding principal balance of such class has been reduced to zero
3 <sup>rd</sup>	AS	In the case of a default under the Freddie Mac Guarantee, reimbursement up to the loss reimbursement amount, if any, for such class
4 <sup>th</sup>	Guarantor	Any Guarantor Reimbursement Amounts relating to the offered certificates, other than Guarantor Timing Reimbursement Amounts relating to the class AS certificates
5 <sup>th</sup>	Guarantor	Any Guarantor Timing Reimbursement Amounts relating to the class AS certificates
6 <sup>th</sup>	Guarantor	Any Guarantor Reimbursement Interest Amounts relating to the offered certificates
7 <sup>th</sup>	CS	Interest up to the total interest distributable on that class (excluding Additional Interest Accrual Amounts) based on its pass-through rate (including Unpaid Interest Shortfalls from prior distribution dates)
8 <sup>th</sup>	CS	In the following order of priority: <i>first</i> , (x) so long as no Waterfall Trigger Event has occurred and is continuing, the <i>pro rata</i> share of Performing Loan Principal Distribution Amounts such class is entitled to receive based on that class's outstanding principal balance relative to the total outstanding principal balance of the Principal Balance Certificates, up to the total Performing Loan Principal Distribution Amount distributable on that class or (y) if a Waterfall Trigger Event has occurred and is continuing, up to the Performing Loan Principal Distribution Amount remaining after the distribution of the Performing Loan Principal Distribution Amount pursuant to priority 2 <sup>nd</sup> above on such distribution date and <i>second</i> , up to the Specially Serviced Loan Principal Distribution Amount, if any, remaining after the distribution of the Specially Serviced Loan Principal Distribution Amount pursuant to priority 2 <sup>nd</sup> above on such distribution date; in each case, until the outstanding principal balance of such class has been reduced to zero
9 <sup>th</sup>	CS	Reimbursement up to the loss reimbursement amount for that class
10 <sup>th</sup>	R	Any remaining portion of the funds in the Lower-Tier REMIC or Upper-Tier REMIC

The amount of interest allocated on each distribution date for distribution on the class XS certificates pursuant to priority 1<sup>st</sup> in the table above will be distributed in the following order of priority:

*first*, to the class XS certificates, in an amount up to the Class XS Interest Distribution Amount,

*second*, to the Guarantor, up to the Outstanding Guarantor Reimbursement Amount for such distribution date, and

*third*, to the class CS certificates, in an amount up to the Additional Interest Accrual Amount, if any, payable on such distribution date.

However, payments on the offered certificates will be covered by the Freddie Mac Guarantee, to the extent described in this information circular. Static Prepayment Premiums will not be allocated or taken into account for purposes of the distributions made pursuant to priorities *first* through *third* above.

*Subordination.* As and to the extent described in this information circular, the rights of holders of the class CS certificates to receive distributions of amounts collected or advanced on the underlying mortgage loans will be subordinated to the rights of holders of the class AS and XS certificates and the rights of the Guarantor to be reimbursed for certain payments on the Guaranteed Certificates. See “—Priority of Distributions” above.

The credit support provided to the class AS and XS certificates, as and to the extent described above, by the subordination described above of the class CS certificates is intended to enhance the likelihood of timely receipt by the holders of the more senior classes of certificates of the full amount of all interest payable in respect of such certificates on each distribution date, and the ultimate receipt by the holders of each class of Principal Balance Certificates of principal in an amount equal to the outstanding principal balance of such certificates, which subordination will be accomplished by the application of the Available Distribution Amount on each distribution date in accordance with the order of priority described above under “—Priority of Distributions” and by the allocation of Realized Losses (including those resulting from Additional Issuing Entity Expenses) as described below under “—Reductions of Certificate Principal Balances in Connection with Realized Losses and Additional Issuing Entity Expenses.”

Allocation to the class AS certificates for so long as they are outstanding of the entire Principal Distribution Amount for each distribution date during the continuation of a Waterfall Trigger Event, and the allocation to the class AS certificates of any Specially Serviced Loan Principal Distribution Amount for so long as the class AS certificates are outstanding, will generally have the effect of reducing the outstanding principal balance of such class at a faster rate than would be the case if principal payments were allocated *pro rata* to all classes of certificates with outstanding principal balances. Thus, as principal is distributed to the holders of the class AS certificates during the continuation of a Waterfall Trigger Event, and any Specially Serviced Loan Principal Distribution Amount is allocated to the holders of the class AS certificates, the percentage interest in the issuing entity evidenced by such class will be decreased, with a corresponding increase in the percentage interest in the issuing entity evidenced by the class CS certificates. This will cause the outstanding principal balance of the class CS certificates to decline more slowly thereby increasing, relative to their respective outstanding principal balances, the subordination afforded to the class AS and XS certificates by the class CS certificates.

*Distributions of Static Prepayment Premiums.* If any Static Prepayment Premium is received by the applicable servicer during any particular Collection Period in connection with the prepayment of any of the underlying mortgage loans, the certificate administrator will be required to distribute that Static Prepayment Premium, on the distribution date corresponding to that Collection Period, to the holders of the class XS certificates. Static Prepayment Premiums will not be payable to the class CS certificates as Additional Interest Accrual Amounts.

As described under “The Pooling and Servicing Agreement—Servicing and Other Compensation and Payment of Expenses” in this information circular, if any Static Prepayment Premium is received by the applicable servicer in connection with a liquidation of an underlying mortgage loan or REO Property, a liquidation fee may be payable on the amount received.

We do not make any representation as to—

- the enforceability of any provision of the underlying mortgage loans requiring the payment of any prepayment consideration;

- whether or not such provision would be waived by holders representing a majority interest in the class XS certificates (see “The Pooling and Servicing Agreement—Modifications, Waivers, Amendments and Consents” in this information circular); or
- the collectability of that prepayment consideration.

See “Description of the Underlying Mortgage Loans—Certain Terms and Conditions of the Underlying Mortgage Loans—Prepayment Provisions” in this information circular.

In no event will the holders of any offered certificates receive any Static Prepayment Premium or other prepayment consideration in connection with any repurchase of an underlying mortgage loan as described under “Description of the Underlying Mortgage Loans—Cures, Repurchases and Substitutions” in this information circular. In addition, the Freddie Mac Guarantee excludes the payment of any Static Prepayment Premium or other prepayment consideration.

### **Treatment of REO Properties**

Although any mortgaged real property may be acquired by the issuing entity (or by the Non-Serviced Companion Loan Securitization) through foreclosure, deed-in-lieu of foreclosure or otherwise, the related underlying mortgage loan will be treated as having remained outstanding until the REO Property is liquidated for purposes of determining—

- distributions on the certificates;
- allocations of Realized Losses (including those resulting from Additional Issuing Entity Expenses) to the certificates; and
- the amount of all fees payable to the master servicer, the special servicer, the certificate administrator and the trustee under the Pooling and Servicing Agreement.

In connection with these determinations, the related underlying mortgage loan will be taken into account when determining the Weighted Average Net Mortgage Pass-Through Rate and the Principal Distribution Amount for each distribution date.

Operating revenues and other proceeds from an REO Property will be applied—

- *first*, to pay, or to reimburse the master servicer, the special servicer, the certificate administrator and/or the trustee for the payment of, any costs and expenses incurred in connection with the operation and disposition of the REO Property, and
- *thereafter*, as collections of principal, interest and other amounts due on the related underlying mortgage loan and any related Non-Serviced Companion Loan.

To the extent described under “—Advances of Delinquent Monthly Debt Service Payments” below, the master servicer and the trustee will be required to advance (subject to a nonrecoverability determination) delinquent monthly debt service payments with respect to each underlying mortgage loan as to which the corresponding mortgaged real property has become an REO Property, in all cases as if that underlying mortgage loan had remained outstanding.

### **Reductions of Certificate Principal Balances in Connection with Realized Losses and Additional Issuing Entity Expenses**

As a result of Realized Losses (including those resulting from the application of principal collections on the underlying mortgage loans to pay Additional Issuing Entity Expenses), the total outstanding principal balance of the Principal Balance Certificates could exceed the total Stated Principal Balance of the mortgage pool. If this occurs following the distributions made to the certificateholders on any distribution date, then the respective outstanding principal balances of the following classes of certificates are to be sequentially reduced in the following order, until the total outstanding principal balance of those classes of certificates equals the total Stated Principal Balance of the mortgage pool that will be outstanding immediately following such distribution date; *provided* that the total Stated Principal Balance of the mortgage pool will be decreased, for this purpose only, by the amount of any unreimbursed

Timing Guarantor Payments and increased, for this purpose only, by amounts of principal attributable to the mortgage pool previously used to reimburse nonrecoverable advances and certain advances related to rehabilitated underlying mortgage loans, as described under “—Advances of Delinquent Monthly Debt Service Payments” below and “The Pooling and Servicing Agreement—Servicing and Other Compensation and Payment of Expenses” in this information circular, other than any such amounts previously used to reimburse advances with respect to mortgage loans that have since become liquidated loans, that will be outstanding immediately following that distribution date.

<u>Order of Allocation</u>	<u>Class</u>
1 <sup>st</sup>	class CS certificates
2 <sup>nd</sup>	class AS certificates

The above-described reductions in the outstanding principal balance of the respective classes of the Principal Balance Certificates will represent an allocation of the Realized Losses (including those resulting from Additional Issuing Entity Expenses) that caused the particular mismatch in balances between the underlying mortgage loans and those classes of Principal Balance Certificates. However, Freddie Mac will be required under the Freddie Mac Guarantee to pay any holder of class AS certificates an amount equal to any such loss allocated to such class AS certificates, as described under “—Distributions—Freddie Mac Guarantee” above.

The loss, if any, in connection with the liquidation of a Defaulted Loan and, if applicable, the Non-Serviced Companion Loan or related REO Property will generally be an amount equal to the excess, if any, of:

- the outstanding principal balance of the underlying mortgage loan and, if applicable, the Non-Serviced Companion Loan as of the date of liquidation, together with all accrued and unpaid interest on the underlying mortgage loan and the Non-Serviced Companion Loan through and including the end of the related mortgage Interest Accrual Period in which such liquidation occurred, exclusive, however, of any portion of that interest that represents Default Interest, and
- all related unreimbursed Servicing Advances (with interest) and unpaid liquidation expenses, over
- the total amount of Liquidation Proceeds, if any, recovered in connection with the liquidation that are available to pay interest (other than Default Interest) on and principal of the underlying mortgage loan and, if applicable, the Non-Serviced Companion Loan.

If any portion of the debt due under any of the underlying mortgage loans is forgiven, whether in connection with a modification, waiver or amendment granted or agreed to by the master servicer or the special servicer or in connection with the bankruptcy, insolvency or similar proceeding involving the related borrower, the amount forgiven, other than Default Interest, also will be treated as a Realized Loss.

The following items, to the extent that they are paid out of collections on the mortgage pool (other than late payment charges and/or Default Interest collected on the underlying mortgage loans) in accordance with the terms of the Pooling and Servicing Agreement, are some examples of Additional Issuing Entity Expenses:

- any special servicing fees, workout fees and liquidation fees paid to the special servicer;
- any interest paid to the master servicer, the special servicer and/or the trustee with respect to advances;
- the cost of various opinions of counsel required or permitted to be obtained in connection with the servicing of the underlying mortgage loans and the administration of the other assets of the issuing entity;
- any unanticipated expenses of the issuing entity, including—
  1. any reimbursements and indemnifications to the trustee, the custodian, the certificate administrator and various related persons and entities, as described under “The Pooling and Servicing Agreement—Certain Indemnities” in this information circular,
  2. any reimbursements and indemnification to the master servicer, the special servicer, the depositor, Freddie Mac (in its capacity as servicing consultant) and various related persons and entities, as described under “The Pooling and Servicing Agreement—Certain Indemnities” in this information circular, and

3. any U.S. federal, state and local taxes, and tax-related expenses, payable out of assets of the issuing entity, as described under “Certain Federal Income Tax Consequences—Taxes That May Be Imposed on a REMIC” in this information circular; and
- any amounts expended on behalf of the issuing entity to remediate an adverse environmental condition at any mortgaged real property securing a Defaulted Loan, as described under “The Pooling and Servicing Agreement—Realization Upon Mortgage Loans” in this information circular.

Late payment charges and Default Interest collected with respect to any underlying mortgage loan (other than the Non-Serviced Loan) are to be applied to pay interest on any advances that have been or are being reimbursed with respect to that underlying mortgage loan. In addition, late payment charges and Default Interest collected with respect to any Specially Serviced Mortgage Loan (other than the Non-Serviced Loan) are also to be applied to reimburse the issuing entity for any Additional Issuing Entity Expenses previously incurred by the issuing entity with respect to that Specially Serviced Mortgage Loan. Late payment charges and Default Interest collected with respect to any underlying mortgage loan (other than the Non-Serviced Loan) that are not so applied to pay interest on advances or, solely with respect to Specially Serviced Mortgage Loans, to reimburse the issuing entity for previously incurred Additional Issuing Entity Expenses, as applicable, will be paid to the master servicer and/or the special servicer as additional servicing compensation.

### **Advances of Delinquent Monthly Debt Service Payments**

The master servicer will be required to make, for each distribution date, a total amount of advances of principal and/or interest (“P&I Advances”) generally equal to all scheduled monthly debt service payments, other than balloon payments, Default Interest, late payment charges or Static Prepayment Premiums, and assumed monthly debt service payments, in each case net of related master servicer surveillance fees (if any), special servicer surveillance fees (if any), master servicing fees and sub-servicing fees (and, with respect to the Non-Serviced Loan, net of any master servicing fee payable under the Pooling and Servicing Agreement and net of any sub-servicing fee, master servicer surveillance fee (if any) and special servicer surveillance fee (if any) payable with respect to the Non-Serviced Loan pursuant to the Non-Serviced Companion Loan PSA), that—

- were due or deemed due, as the case may be, during the related Collection Period with respect to the underlying mortgage loans, and
- were not paid by or on behalf of the related borrowers thereunder or otherwise collected as of the close of business on the last day of the related Collection Period.

However, if it is determined that an Appraisal Reduction Amount exists with respect to any underlying mortgage loan, then the master servicer will reduce the interest portion, but not the principal portion, of each P&I Advance that it must make with respect to that underlying mortgage loan during the period that the Appraisal Reduction Amount exists. The interest portion of any P&I Advance required to be made with respect to any underlying mortgage loan as to which there exists an Appraisal Reduction Amount, will equal the product of—

- the amount of the interest portion of that P&I Advance that would otherwise be required to be made for the applicable distribution date without giving effect to the Appraisal Reduction Amount, multiplied by
- a fraction—
  1. the numerator of which is equal to the Stated Principal Balance of the underlying mortgage loan or, in the case of the Non-Serviced Loan, the sum of the Stated Principal Balance of the Non-Serviced Loan and the “Stated Principal Balance” of the Non-Serviced Companion Loan under the Non-Serviced Companion Loan PSA, net of the Appraisal Reduction Amount allocated to the underlying mortgage loan or the Non-Serviced Whole Loan, as applicable, and
  2. the denominator of which is equal to the Stated Principal Balance of the underlying mortgage loan or, in the case of the Non-Serviced Loan, the sum of the Stated Principal Balance of the Non-Serviced Loan and the “Stated Principal Balance” of the Non-Serviced Companion Loan under the Non-Serviced Companion Loan PSA.

However, there will be no such reduction in any P&I Advance due to an Appraisal Reduction Event at any time after the outstanding principal balance of the class CS certificates has been reduced to zero.

With respect to any distribution date, the master servicer will be required to make P&I Advances either out of its own funds or, subject to replacement as and to the extent provided in the Pooling and Servicing Agreement, out of funds held in the collection account that are not required to be paid on the certificates on the related distribution date. Further, if a Ratings Trigger Event occurs with respect to the master servicer, the Guarantor will have the right to require the master servicer to remit out of its own funds to the collection account, an amount equal to all P&I Advances previously made out of the collection account and not previously repaid from collections on the underlying mortgage loans, and thereafter, the master servicer will be required to make P&I Advances solely out of its own funds.

To the extent that the master servicer fails to make a required P&I Advance and the trustee has actual knowledge of that failure, the trustee will be obligated to make that advance in accordance with the Pooling and Servicing Agreement.

The master servicer and the trustee will each be entitled to recover any P&I Advance made by it out of its own funds (together with interest accrued on such amount) from collections on the underlying mortgage loan as to which the advance was made. Neither the master servicer nor the trustee will be obligated to make any P&I Advance that, in the judgment of the master servicer, the special servicer or the trustee (in accordance with the Servicing Standard in the case of the judgment of the master servicer or the special servicer, as applicable, or in accordance with good faith business judgment in the case of the trustee), would not ultimately be recoverable out of collections on the related underlying mortgage loan. If the master servicer or the trustee makes any P&I Advance with respect to any of the underlying mortgage loans (including any such advance that is a Workout-Delayed Reimbursement Amount) that the master servicer, the trustee or the special servicer subsequently determines (in accordance with the Servicing Standard in the case of the determination of the master servicer or the special servicer, as applicable, or in accordance with good faith business judgment in the case of the trustee) will not be recoverable out of collections on that underlying mortgage loan (or, if such advance is a Workout-Delayed Reimbursement Amount, out of collections of principal on all the underlying mortgage loans after the application of those principal payments and collections to reimburse any party for a Nonrecoverable Advance) (any such advance, a “Nonrecoverable P&I Advance”), the master servicer or the trustee, as applicable, may obtain reimbursement for that advance, together with interest accrued on the advance as described below, out of general collections on the mortgage pool. See “Description of the Certificates—Advances of Delinquent Monthly Debt Service Payments” and “The Pooling and Servicing Agreement—Collection Account” in this information circular. In making such determination, the master servicer, the trustee or the special servicer, as applicable, may take into account a range of relevant factors, including, among other things, (i) the existence of any outstanding Nonrecoverable Advance or Workout-Delayed Reimbursement Amount on any underlying mortgage loan or REO Loan, (ii) the obligations of the borrower under the related underlying mortgage loan, (iii) the related mortgaged real property in its “as-is” condition, (iv) future expenses and (v) the timing of recoveries. Any reimbursement of a Nonrecoverable P&I Advance (including interest accrued on such amount) will be deemed to be reimbursed first from payments and other collections of principal on the mortgage pool (thereby reducing the amount of principal otherwise distributable on the Principal Balance Certificates on the related distribution date) prior to the application of any other general collections on the mortgage pool against such reimbursement. The special servicer’s determination that a previously made or proposed P&I Advance is a Nonrecoverable P&I Advance will be conclusive and binding on the master servicer and the trustee. Prior to or absent such a determination by the special servicer, each of the master servicer and the trustee will be entitled to make its own determination that a P&I Advance is a Nonrecoverable P&I Advance. Neither the special servicer nor any other party may require the master servicer or the trustee to make any P&I Advance that the master servicer or the trustee has determined to be a Nonrecoverable P&I Advance. In addition, the trustee will be entitled to conclusively rely on the master servicer’s determination that a P&I Advance is a Nonrecoverable P&I Advance. The special servicer will have no obligation to make any P&I Advances. In addition, with respect to the Non-Serviced Loan, if the Non-Serviced Companion Loan Master Servicer or the Non-Serviced Companion Loan Special Servicer determines that an advance of principal or interest previously made or proposed to be made by it with respect to the Non-Serviced Companion Loan is nonrecoverable, then the master servicer or the trustee may, based upon such determination, determine that any advance previously made or proposed to be made with respect to the Non-Serviced Loan will be a Nonrecoverable P&I Advance.

However, instead of obtaining reimbursement out of general collections on the mortgage pool immediately for a Nonrecoverable P&I Advance, the master servicer or the trustee, as applicable, may, in its sole discretion, elect to obtain reimbursement for such Nonrecoverable P&I Advance over a period of time (not to exceed six months

without the consent of the Approved Directing Certificateholder (if any) or 12 months in any event), with interest continuing to accrue on such amount at the Prime Rate. At any time after such a determination to obtain reimbursement over time in accordance with the preceding sentence, the master servicer or the trustee, as applicable, may, in its sole discretion, decide to obtain reimbursement for such Nonrecoverable P&I Advance from general collections on the mortgage pool (including, without limitation, interest collections) immediately. In general, such a reimbursement deferral will only be permitted under the Pooling and Servicing Agreement if and to the extent that such Nonrecoverable P&I Advance, after taking into account other outstanding Nonrecoverable Advances, could not be reimbursed with interest out of payments and other collections of principal on the mortgage pool during the current Collection Period. The fact that a decision to recover a Nonrecoverable P&I Advance over time, or not to do so, benefits some classes of certificateholders to the detriment of other classes of certificateholders will not constitute a violation of the Servicing Standard or a breach of the terms of the Pooling and Servicing Agreement by any party to the Pooling and Servicing Agreement or a violation of any duty owed to the certificateholders by any party to the Pooling and Servicing Agreement.

In addition, in the event that any P&I Advance or Servicing Advance with respect to a Defaulted Loan remains unreimbursed following the time that such underlying mortgage loan is modified and returned to performing status and the amount of such advance becomes an obligation of the related borrower under the terms of the modified loan documents (a "Workout-Delayed Reimbursement Amount"), the master servicer or the trustee will be entitled to reimbursement for that advance and interest accrued on such advance (even though that advance is not deemed a Nonrecoverable Advance), on a monthly basis, out of payments and other collections of principal on all the underlying mortgage loans after the application of those principal payments and collections to reimburse any party for any Nonrecoverable Advance, prior to any distributions of principal on the certificates. If any such advance is not reimbursed in whole due to insufficient principal collections during the related Collection Period, then the portion of that advance which remains unreimbursed will be carried over (with interest on such amount continuing to accrue) for reimbursement in the following Collection Period (to the extent of principal collections available for that purpose). If any such advance, or any portion of any such advance, is determined, at any time during this reimbursement process, to be a Nonrecoverable Advance, then the master servicer or the trustee, as applicable, will be entitled to immediate reimbursement out of general collections on the mortgage pool as a Nonrecoverable Advance in an amount equal to the portion of that advance that remains outstanding, plus accrued interest.

The master servicer and the trustee will each be entitled to receive interest on P&I Advances made by that party out of its own funds. That interest will accrue on the amount of each P&I Advance for so long as that advance is outstanding from the date made (or, if made prior to the end of the applicable grace period, from the end of that grace period), at an annual rate equal to the Prime Rate. Subject to the discussion in the two preceding paragraphs, interest accrued with respect to any P&I Advance on an underlying mortgage loan will be payable out of general collections on the mortgage pool.

However, if a natural disaster, pandemic or other adverse event occurs and Freddie Mac issues guidance to the master servicer to provide temporary relief pursuant to the terms of written announcements by Freddie Mac that are incorporated into Freddie Mac Servicing Practices, the related relief agreement between Freddie Mac and the master servicer may provide that any P&I Advance or Servicing Advance made by the master servicer with respect to the affected underlying mortgage loans (other than any Specially Serviced Mortgage Loan or REO Loan) for any forbearance period will not accrue interest under the Pooling and Servicing Agreement for the duration of the related forbearance period and the related repayment period and such interest will instead be either an obligation of Freddie Mac under the terms of the related relief agreement or the related borrower pursuant to the terms of such borrower's forbearance agreement as an Extension Expense. The master servicer will not be precluded from receiving interest on such advances from Freddie Mac pursuant to the terms of the related relief agreement or, in the event that any forbearance period or repayment period is extended, from the borrower of the affected underlying mortgage loan as an Extension Expense pursuant to the terms of such borrower's forbearance agreement and its amendment. In accordance with the Guidance, if the related borrower fails to make any payment, including any Extension Expense, as and when due pursuant to the terms of the related forbearance agreement, such failure will constitute an event of default under the related underlying mortgage loan and such underlying mortgage loan will immediately become a Specially Serviced Mortgage Loan. Any P&I Advance, Servicing Advance or Extension Expense that remains outstanding (i) at the end of the related repayment period or (ii) at the time any such underlying mortgage loan becomes a Specially Serviced Mortgage Loan will be deemed to be a P&I Advance, Servicing Advance or advance

interest on such underlying mortgage loan, respectively, under the Pooling and Servicing Agreement, and such P&I Advances, Servicing Advances and advance interest will be treated in the same manner as any other P&I Advance, Servicing Advance or advance interest under the Pooling and Servicing Agreement, including, without limitation, with respect to the accrual of advance interest on any P&I Advances or Servicing Advances, the determination that any P&I Advance or Servicing Advance is a Nonrecoverable Advance and the sources and timing of recovery of such P&I Advances, Servicing Advances, Nonrecoverable Advances and advance interest.

Freddie Mac announced its servicing standard applicable to mortgaged real properties affected by COVID-19.

A monthly debt service payment will be assumed to be due with respect to:

- each underlying mortgage loan that is delinquent with respect to its balloon payment beyond the end of the Collection Period in which its maturity date occurs and as to which no arrangements have been agreed to for the collection of the delinquent amounts, including an extension of maturity; and
- each underlying mortgage loan as to which the corresponding mortgaged real property has become an REO Property.

The assumed monthly debt service payment deemed due on any underlying mortgage loan described in the prior sentence will equal, for its maturity date (if applicable) and for each successive due date following the relevant event that it or any related REO Property remains part of the issuing entity, the sum of (i) the principal portion, if any, of the monthly debt service payment that would have been due on the underlying mortgage loan on the relevant date if the related balloon payment had not come due or the related mortgaged real property had not become an REO Property, as the case may be, and the underlying mortgage loan had, instead, continued to amortize and accrue interest according to its terms in effect prior to that event, plus (ii) one month's interest on the Stated Principal Balance of the underlying mortgage loan at the related mortgage interest rate (but not including Default Interest).

#### **Reports to Certificateholders and Freddie Mac; Available Information**

*Certificate Administrator Reports.* Based on information provided on a one-time basis by the mortgage loan seller, and in monthly reports prepared by the master servicer and the special servicer in accordance with the Pooling and Servicing Agreement, and in any event delivered to the certificate administrator, the certificate administrator will be required to prepare and make available electronically or, upon written request, provide by first class mail, (i) by 12:00 p.m. New York City time on the third Business Day prior to each distribution date to Freddie Mac and (ii) on each distribution date to each registered holder of a certificate, a statement to certificateholders substantially in the form of and containing the information substantially as set forth on Exhibit B. The certificate administrator's statement to certificateholders will detail the distributions on the certificates on that distribution date and the performance, both in total and individually to the extent available, of the underlying mortgage loans and the related mortgaged real properties. Recipients will be deemed to have agreed to keep such information confidential.

The master servicer will be required to provide the standard CREFC Investor Reporting Package<sup>®</sup> to the certificate administrator on a monthly basis for the underlying mortgage loans. The certificate administrator will not be obligated to deliver any such report until the reporting package is provided by the master servicer.

To the extent that any related permitted subordinate mortgage debt is being serviced by the master servicer or the master servicer receives the necessary information from the applicable servicer of such permitted subordinate mortgage debt, and if not prohibited by the terms of the related permitted subordinate mortgage debt loan documents or any servicing agreement with respect to the related permitted subordinate mortgage debt (i) the master servicer will include information on such permitted subordinate mortgage debt in each CREFC<sup>®</sup> operating statement analysis report and (ii) if applicable CREFC<sup>®</sup> guidelines are revised to require information on subordinate mortgage debt to be included in other report or files in the CREFC Investor Reporting Package<sup>®</sup> that the master servicer is required to prepare and if Freddie Mac so requests, the master servicer will include information on such permitted subordinate mortgage debt in such additional report or files in the CREFC Investor Reporting Package<sup>®</sup> in accordance with such CREFC<sup>®</sup> guidelines as reasonably clarified by Freddie Mac. For the purposes of including information on permitted subordinate mortgage debt in reports or files as contemplated under the terms of the Pooling and Servicing Agreement, the master servicer may conclusively rely (without investigation, inquiry, independent verification or any duty or obligation to recompute, verify or recalculate any of the amounts and other information contained in), absent manifest error, on information provided to it by any other servicer of such permitted subordinate mortgage debt or by Freddie Mac.

*Information Available Electronically.* To the extent the “deal documents,” “periodic reports,” “additional documents” and “special notices” listed in the following bullet points are in the certificate administrator’s possession and prepared by it or delivered to it in an electronic format, the certificate administrator will be required to make available to any Privileged Person via the certificate administrator’s website in accordance with the terms and provisions of the Pooling and Servicing Agreement:

- the following “deal documents”:
  1. this information circular;
  2. Freddie Mac’s Giant and Other Pass-Through Certificates (Multifamily) Offering Circular dated December 22, 2020;
  3. the Freddie Mac offering circular supplement related to the SPCs;
  4. the Pooling and Servicing Agreement;
  5. the mortgage loan purchase agreement; and
  6. the CREFC<sup>®</sup> loan setup file received by the certificate administrator from the master servicer;
- the following “periodic reports”:
  1. certain underlying mortgage loan information as presented in the standard CREFC Investor Reporting Package<sup>®</sup> (other than the CREFC<sup>®</sup> loan setup file); and
  2. statements to certificateholders;
- the following “additional documents”:
  1. inspection reports; and
  2. appraisals;
- the following “special notices”:
  1. notice of any failure by the mortgage loan seller to repurchase an underlying mortgage loan that has an uncured material breach of a representation or warranty or a material document defect;
  2. notice of final payment on the certificates;
  3. notice of the resignation, termination, merger or consolidation of the master servicer, the special servicer, the certificate administrator or the trustee and any notice of the acceptance of appointment by any successor thereto;
  4. notice of the occurrence of any event of default that has not been cured;
  5. notice of any request by the directing certificateholder to terminate the special servicer;
  6. any request by certificateholders to communicate with other certificateholders;
  7. any amendment of the Pooling and Servicing Agreement;
  8. any notice of the occurrence of or termination of any Affiliated Borrower Loan Event;
  9. any officer’s certificates supporting the determination that any advance was (or, if made, would be) a Nonrecoverable Advance;
  10. any Term SOFR Transition Date Notice, any Certificate Index Conversion Notice, any Loan Index Conversion Notice and any Alternate Index Notice; and
  11. such other reports or information at the reasonable direction of the depositor or the Guarantor;

*provided, however,* that the certificate administrator may not provide to (i) any person that is a borrower under an underlying mortgage loan or an affiliate of a borrower under an underlying mortgage loan unless such person is the directing certificateholder, any asset status report, inspection report, appraisal, internal valuation or the CREFC<sup>®</sup> special servicer loan file or (ii) the directing certificateholder, any asset status report, inspection report, appraisal or internal valuation relating to any Affiliated Borrower Loan. The certificate administrator’s website will initially be

located at <https://sf.citidirect.com>. Access will be provided by the certificate administrator to Privileged Persons upon receipt by the certificate administrator from such person of an investor certification in the form(s) described in the Pooling and Servicing Agreement, which form(s) may also be located on and submitted electronically via the certificate administrator's website. The parties to the Pooling and Servicing Agreement will be given access to the website without providing that certification. For assistance with the certificate administrator's website, certificateholders may call (888) 855-9695.

The certificate administrator will make no representations or warranties as to the accuracy or completeness of, and may disclaim responsibility for, any report, document or other information made available by it for which it is not the original source. The certificate administrator will not be deemed to have obtained actual knowledge of any information posted on the certificate administrator's website to the extent such information was not produced by the certificate administrator.

The certificate administrator may require registration and the acceptance of a disclaimer, as well as an agreement to keep the applicable information confidential, in connection with providing access to its website. The certificate administrator will not be liable for the dissemination of information made by it in accordance with the Pooling and Servicing Agreement.

*Other Information.* The Pooling and Servicing Agreement will obligate the certificate administrator (or in the case of the items listed in the sixth and eighth bullet points below, the custodian) to make available at its offices, during normal business hours, upon reasonable advance notice, or electronically via its website, for review by, among others, any holder or beneficial owner of an offered certificate or any person identified to the certificate administrator as a prospective transferee of an offered certificate or any interest in that offered certificate, originals or copies, in paper or electronic form, of, among other things, the following items, to the extent such documents have been delivered to the certificate administrator or the custodian, as applicable:

- any private placement memorandum or other disclosure document relating to the applicable class of certificates, in the form most recently provided to the certificate administrator;
- the Pooling and Servicing Agreement, including exhibits, and any amendments to the Pooling and Servicing Agreement;
- all monthly reports of the certificate administrator delivered, or otherwise electronically made available, to certificateholders since the Closing Date;
- all officer's certificates delivered to the certificate administrator by the master servicer and/or the special servicer since the Closing Date, as described under "The Pooling and Servicing Agreement—Evidence as to Compliance" in this information circular;
- all accountant's reports delivered to the certificate administrator with respect to the master servicer and/or the special servicer since the Closing Date, as described under "The Pooling and Servicing Agreement—Evidence as to Compliance" in this information circular;
- any and all modifications, waivers and amendments of the terms of an underlying mortgage loan entered into by the master servicer or the special servicer and delivered to the custodian pursuant to the Pooling and Servicing Agreement (but only for so long as the affected underlying mortgage loan is part of the issuing entity);
- any and all officer's certificates delivered to the certificate administrator to support the master servicer's determination that any P&I Advance or Servicing Advance was or, if made, would be a Nonrecoverable P&I Advance or Nonrecoverable Servicing Advance, as the case may be;
- any and all of the loan documents contained in the mortgage file, and with respect to the directing certificateholder and Freddie Mac only, any and all documents contained in the mortgage file;
- information provided to the certificate administrator regarding the occurrence of Servicing Transfer Events as to the underlying mortgage loans; and
- any and all Sub-Servicing Agreements provided to the certificate administrator and any amendments to such Sub-Servicing Agreements and modifications of such Sub-Servicing Agreements.

Copies of any and all of these items will be required to be made available by the certificate administrator or the custodian, as applicable, upon written request. However, the certificate administrator and the custodian, as applicable, will be permitted to require payment of a sum sufficient to cover the reasonable costs and expenses of providing the copies.

In connection with providing access to or copies of information pursuant to the Pooling and Servicing Agreement, including the items described above, the certificate administrator, the master servicer or the special servicer will require, in the case of a registered holder, beneficial owner or prospective purchaser of an offered certificate or, solely with respect to the Non-Serviced Loan, the Non-Serviced Companion Loan Directing Holder, a written confirmation executed by the requesting person or entity, in the form required by the Pooling and Servicing Agreement, generally to the effect that, among other things, the person or entity (i) is a registered holder, beneficial owner or prospective purchaser of offered certificates, an investment advisor representing such person or the Non-Serviced Companion Loan Directing Holder, (ii) is requesting the information for use in evaluating such person's investment in, or possible investment in, the offered certificates or, in the case of the Non-Serviced Companion Loan Directing Holder, the Non-Serviced Companion Loan Securitization, (iii) is or is not a borrower or an affiliate of a borrower under any underlying mortgage loan, (iv) will keep the information confidential, and (v) will indemnify the certificate administrator, the trustee, the custodian, the master servicer, the special servicer, the issuing entity, the depositor and Freddie Mac from any damage, loss, cost or liability (including legal fees and expenses and the cost of enforcing this indemnity) arising out of or resulting from any unauthorized use or disclosure of the information. However, the trustee, the certificate administrator, the custodian, the master servicer, the special servicer and any sub-servicer may not provide to (i) any person that is a borrower under an underlying mortgage loan or an affiliate of a borrower under an underlying mortgage loan unless such person is the directing certificateholder or, solely with respect to the Non-Serviced Loan, the Non-Serviced Companion Loan Directing Holder, any asset status report, inspection report, appraisal, internal valuation or the CREFC<sup>®</sup> special servicer loan file or (ii) the directing certificateholder or, solely with respect to the Non-Serviced Loan, the Non-Serviced Companion Loan Directing Holder, any asset status report, inspection report, appraisal or internal valuation relating to any Affiliated Borrower Loan as to such party. However, such restrictions on providing information will not apply to the master servicer, the special servicer and any sub-servicer if the applicable loan documents expressly require such disclosure to such person as a borrower under an underlying mortgage loan.

*Reports to Freddie Mac.* On or before the third Business Day prior to each distribution date, the certificate administrator will be required, in accordance with the terms of the Pooling and Servicing Agreement, to prepare and distribute to Freddie Mac certain supplemental reports related to the offered certificates.

*Deal Information/Analytics.* Certain information concerning the underlying mortgage loans and the certificates may be available through the following services:

- BlackRock Financial Management, Inc., Bloomberg, L.P., Moody's Analytics, Trepp, LLC, Intex Solutions, Inc., CMBS.com, Thomson Reuters Corporation, DealView Technologies Ltd. and KBRA Analytics, LLC;
- the certificate administrator's website initially located at <https://sf.citidirect.com>;
- the master servicer's website initially located at [www.wellsfargo.com/com](http://www.wellsfargo.com/com); and
- the special servicer's website initially located at [www.key.com/key2cre](http://www.key.com/key2cre).

Any information that may be made available through the services listed above is for informational purposes only. None of the depositor, the placement agents, the Initial Purchasers, Freddie Mac, the master servicer, the special servicer, the trustee or the certificate administrator makes any representation or warranty about any such information.

## **Voting Rights**

The voting rights for the certificates will be allocated as follows:

- 99% of the voting rights will be allocated to the class AS and CS certificates, in proportion to the respective outstanding principal balances of those classes;

- 1% of the voting rights will be allocated to the class XS certificates; and
- 0% of the voting rights will be allocated to the class R certificates.

Voting rights allocated to a class of certificateholders will be allocated among those certificateholders in proportion to their respective percentage interests in that class. However, solely for the purposes of giving any consent, approval or waiver pursuant to the Pooling and Servicing Agreement with respect to the rights, obligations or liabilities of the trustee, the certificate administrator, the master servicer, the special servicer or Freddie Mac, any certificate registered in the name of such trustee, certificate administrator, master servicer, special servicer, Freddie Mac or any affiliate of any of them, as applicable, will be deemed not to be outstanding, and the voting rights to which it is entitled will not be taken into account in determining whether the requisite percentage of voting rights necessary to effect any such consent, approval or waiver has been obtained. Such restriction will not apply to (i) the selection of the Controlling Class Majority Holder or the directing certificateholder or the exercise of the special servicer's or its affiliates' rights as a holder of certificates in the Controlling Class and (ii) except with respect to increases in compensation or material reductions in obligations, if the trustee, the certificate administrator, the master servicer, the special servicer or Freddie Mac, as the case may be, and/or their affiliates, own the entire class of each certificates affected by the action, vote, consent or waiver. A directing certificateholder that is not an Approved Directing Certificateholder will retain any voting rights it has by virtue of being a certificateholder.

## YIELD AND MATURITY CONSIDERATIONS

### Yield Considerations

*General.* The yields on the offered certificates will depend on, among other things—

- the price you pay for your offered certificates; and
- the rate, timing and amount of distributions on your offered certificates.

The rate, timing and amount of distributions on the offered certificates will in turn depend on, among other things—

- the pass-through rate for, and the other payment terms of, the offered certificates;
- the rate and timing of payments and other collections on the underlying mortgage loans;
- whether a Waterfall Trigger Event occurs;
- the rate and timing of defaults, and the severity of losses, if any, on the underlying mortgage loans;
- the rate, timing, severity and allocation of other shortfalls and expenses that reduce amounts available for distribution on the certificates (although such shortfalls with respect to the offered certificates may be covered under the Freddie Mac Guarantee, as further described in this information circular);
- the collection and payment, or waiver by the holders of a majority interest in the class XS certificates, of Static Prepayment Premiums and/or other prepayment premiums with respect to the underlying mortgage loans; and
- servicing decisions with respect to the underlying mortgage loans.

These factors cannot be predicted with any certainty. Accordingly, you may find it difficult to analyze the effect that these factors might have on the yield to maturity of the offered certificates.

*Freddie Mac Guarantee.* Although the Freddie Mac Guarantee will mitigate the yield and maturity considerations with respect to the offered certificates discussed in this information circular, the Freddie Mac Guarantee is not backed by the full faith and credit of the United States. If the Guarantor were unable to pay under the Freddie Mac Guarantee, such mitigation would not apply.

*Pass-Through Rates.* The yields to maturity on the class AS certificates will be highly sensitive to changes in the levels of SOFR such that decreasing levels of SOFR will have a negative effect on the yields to maturity of the holders of such certificates. In addition, prevailing market conditions may increase the interest rate margins above

SOFR at which comparable securities are being offered, which would cause the class AS certificates to decline in value. Investors in the class AS certificates should consider the risk that lower than anticipated levels of SOFR could result in a lower yield to investors than the anticipated yield and the risk that higher market interest rate margins above SOFR could result in a lower value of the class AS certificates. Should an Alternate Index take effect, similar considerations will apply to the class AS and XS certificates with respect to the Alternate Index as with respect to SOFR.

The yield on the class AS certificates could also be adversely affected if underlying mortgage loans with higher interest rate margins over SOFR pay principal faster than underlying mortgage loans with lower interest rate margins over SOFR. Since the class AS certificates bear interest at a rate limited by the Weighted Average Net Mortgage Pass-Through Rate for the related distribution date minus the Guarantee Fee Rate, the pass-through rates on the class AS certificates may be limited by that pass-through rate cap, even if principal prepayments do not occur. See “Description of the Certificates—Distributions—Interest Distributions” in this information circular.

As further described below under “—Yield Sensitivity of the Class XS Certificates,” the pass-through rate on the class XS certificates will be variable and will be calculated based on the Weighted Average Net Mortgage Pass-Through Rate. The Weighted Average Net Mortgage Pass-Through Rate would decline if the rate of principal payments on underlying mortgage loans with higher interest rate margins over SOFR is faster than the rate of principal payments on the underlying mortgage loans with lower interest rate margins over SOFR. The yield to maturity on the class XS certificates will also be adversely affected to the extent interest otherwise payable to the class XS certificates is required to be distributed on the class CS certificates as Additional Interest Accrual Amounts, as described under “—Additional Interest Accrual Amounts” below.

*Rate and Timing of Principal Payments.* The yield to maturity of the class XS certificates will be extremely sensitive to, and the yield to maturity on any class AS certificates purchased at a discount or a premium will be affected by, the rate and timing of principal distributions made in reduction of the outstanding principal balance of the class AS certificates, and in the case of the class XS certificates, the rate and timing of principal distributions made in reduction of the outstanding principal balance of the class CS certificates. In turn, the rate and timing of principal distributions that are paid or otherwise result in reduction of the outstanding principal balance of any class AS certificates will be directly related to the rate and timing of principal payments on or with respect to the underlying mortgage loans, the rate and timing of principal that is collected or advanced in respect of certain Specially Serviced Mortgage Loans, and whether or not a Waterfall Trigger Event has occurred and is continuing. The rate and timing of principal payments on or with respect to the underlying mortgage loans will be affected by their amortization schedules, the dates on which balloon payments are due and the rate and timing of principal prepayments and other unscheduled collections on them, including for this purpose, collections made in connection with liquidations of underlying mortgage loans due to defaults, casualties or condemnations affecting the mortgaged real properties, pay downs of underlying mortgage loans due to failure of the related mortgaged real properties to meet certain performance criteria or purchases or other removals of underlying mortgage loans from the issuing entity. In addition, the yield to maturity on the class XS certificates would be extremely sensitive to, and the yield to maturity on the class AS certificates purchased at a discount or a premium will be affected by, holders of a majority interest in the class XS certificates electing to waive payments of Static Prepayment Premiums, because such waivers would tend to increase the rate of prepayments on the underlying mortgage loans which would result in a faster than anticipated reduction in the notional amount of the class XS certificates.

If you are contemplating an investment in the class XS certificates, you should further consider the risk that an extremely rapid rate of amortization, prepayments and/or liquidations on or with respect to the underlying mortgage loans could result in your failure to fully recoup your initial investment.

Prepayments and other early liquidations of the underlying mortgage loans (including as a result of holders of a majority interest in the class XS certificates electing to waive payments of Static Prepayment Premiums) will result in distributions on the class AS certificates of amounts that would otherwise be paid over the remaining terms of the underlying mortgage loans. This will tend to shorten the weighted average life of the class AS certificates and accelerate the rate at which the notional amount of the class XS certificates is reduced. Defaults on the underlying mortgage loans, particularly at or near their maturity dates, may result in significant delays in distributions of principal on the underlying mortgage loans and, accordingly, on the class AS certificates, while workouts are negotiated or foreclosures are completed, subject to the Freddie Mac Guarantee. These delays will tend to lengthen the weighted average life of the class AS certificates. See “The Pooling and Servicing Agreement—Modifications, Waivers, Amendments and Consents” in this information circular.

The extent to which the yield to maturity on any class AS certificate may vary from the anticipated yield will depend on the degree to which the class AS certificate is purchased at a discount or premium and when, and to what degree payments of principal on the underlying mortgage loans are in turn paid in a reduction of the outstanding principal balance of the class AS certificate. If you purchase class AS certificates at a discount, you should consider the risk that a slower than anticipated rate of principal payments on the underlying mortgage loans could result in an actual yield to you that is lower than your anticipated yield. If you purchase class XS certificates or class AS certificates at a premium, you should consider the risk that a faster than anticipated rate of principal payments on the underlying mortgage loans could result in an actual yield to you that is lower than your anticipated yield.

Because the rate of principal payments on or with respect to the underlying mortgage loans will depend on future events and a variety of factors, no particular assurance can be given as to that rate or the rate of principal prepayments.

*Delinquencies and Defaults on the Underlying Mortgage Loans.* The rate and timing of delinquencies and defaults on the underlying mortgage loans will affect—

- the amount of distributions on the offered certificates;
- the yield to maturity of the offered certificates;
- the notional amount of the class XS certificates;
- the rate of principal distributions on the class AS certificates; and
- the weighted average lives of the offered certificates.

Delinquencies on the underlying mortgage loans may result in shortfalls in distributions of interest and/or principal on the offered certificates for the current month, although Freddie Mac will be required under the Freddie Mac Guarantee to pay the holder of any offered certificate an amount equal to any such shortfall allocated to its certificates as set forth in “Description of the Certificates—Distributions—Freddie Mac Guarantee” in this information circular. Although any shortfalls in distributions of interest may be made up on future distribution dates, no interest would accrue on those shortfalls. Thus, any shortfalls in distributions of interest would adversely affect the yield to maturity of each class of offered certificates.

If—

- you calculate the anticipated yield to maturity for the offered certificates based on an assumed rate of default and amount of losses on the underlying mortgage loans that is lower than the default rate and amount of losses actually experienced, and
- the additional losses result in a reduction of the total distributions on or the outstanding principal balance or notional amount of the offered certificates,

then your actual yield to maturity will be lower than you calculated and could, under some scenarios, be negative.

The timing of any loss on a liquidated underlying mortgage loan that results in a reduction of the total distributions on or the outstanding principal balance or notional amount of the offered certificates will also affect your actual yield to maturity, even if the rate of defaults and severity of losses are consistent with your expectations. In general, the earlier your loss occurs, the greater the effect on your yield to maturity.

Even if losses on the underlying mortgage loans do not result in a reduction of the total distributions on or the outstanding principal balance or notional amount of the offered certificates, the losses may still affect the timing of distributions on, and the weighted average lives and yields to maturity of, the offered certificates.

*Relevant Factors.* The following factors, among others, will affect the rate and timing of principal payments and defaults and the severity of losses on or with respect to the underlying mortgage loans:

- prevailing interest rates and prevailing margins over SOFR for floating rate loans based on SOFR;

- the terms of the underlying mortgage loans, including—
  1. provisions that impose prepayment lockout periods or require Static Prepayment Premiums (and whether the payment of Static Prepayment Premiums is waived by holders representing a majority interest in the class XS certificates);
  2. amortization terms that require balloon payments;
  3. due-on-sale/encumbrance provisions; and
  4. any provisions requiring draws on letters of credit or escrowed funds to be applied to principal;
- the demographics and relative economic vitality of the areas in which the mortgaged real properties are located;
- the general supply and demand for multifamily rental space or manufactured housing community properties of the type available at the mortgaged real properties in the areas in which those properties are located;
- the quality of management of the mortgaged real properties;
- the servicing of the underlying mortgage loans;
- changes in tax laws; and
- other opportunities for investment.

In addition, the rate and timing of principal prepayments on the underlying mortgage loans will be affected by holders of a majority interest in the class XS certificates electing to waive payments of Static Prepayment Premiums. See “Description of the Underlying Mortgage Loans” and “The Pooling and Servicing Agreement” in this information circular.

The rate of prepayments on the underlying mortgage loans is likely to be affected by prevailing market interest rates or margins over SOFR for mortgage loans of a comparable type, term and risk level. When the prevailing market interest rate or margin over SOFR is below the annual rate or margin over SOFR at which an underlying mortgage loan accrues interest, the related borrower may have an increased incentive to refinance that underlying mortgage loan. Conversely, to the extent prevailing market interest rates or margins over SOFR exceed the annual rate or margin over SOFR at which an underlying mortgage loan accrues interest, the borrower may be less likely to voluntarily prepay that underlying mortgage loan.

Depending on prevailing market interest rates or margin over SOFR, the outlook for market interest rates or margin over SOFR and economic conditions generally, some borrowers may sell their mortgaged real properties in order to realize their equity in those mortgaged real properties, to meet cash flow needs or to make other investments. In addition, some borrowers may be motivated by U.S. federal and state tax laws, which are subject to change, to sell their mortgaged real properties.

In addition, certain of the underlying mortgage loans may have performance escrows or letters of credit pursuant to which the funds held in escrow or the proceeds of such letters of credit may be applied to reduce the outstanding principal balance of such underlying mortgage loans if certain performance triggers are not satisfied. This circumstance would have the same effect on the offered certificate as a partial prepayment on such underlying mortgage loans without payment of a Static Prepayment Premium. For more information regarding these escrows and letters of credit, see the footnotes to Exhibit A-1.

A number of the borrowers are partnerships. The bankruptcy of the general partner in a partnership may result in the dissolution of the partnership. The dissolution of a borrower partnership, the winding up of its affairs and the distribution of its assets could result in an acceleration of its payment obligations under the related underlying mortgage loan, which may adversely affect the yield to maturity on the certificates.

We make no representation or warranty regarding:

- the particular factors that will affect the rate and timing of prepayments and defaults on the underlying mortgage loans;
- the relative importance of those factors;

- the percentage of the total principal balance of the underlying mortgage loans that will be prepaid or as to which a default will have occurred as of any particular date;
- whether the underlying mortgage loans that are in a prepayment lockout period or Static Prepayment Premium Period will be prepaid as a result of involuntary liquidations upon default or otherwise during that period; or
- the overall rate of prepayments or defaults on the underlying mortgage loans.

All of the underlying mortgage loans are SOFR-based floating rate commercial mortgage loans. We are not aware of any publicly available relevant and authoritative statistics that set forth principal prepayment experience or prepayment forecasts of commercial mortgage loans over an extended period of time. Floating rate commercial mortgage loans may be subject to a greater rate of principal prepayments in a declining interest rate environment. We cannot assure you as to the rate of prepayments on the underlying mortgage loans in stable or changing interest rate environments.

*Additional Interest Accrual Amounts.* To the extent there are Additional Interest Accrual Amounts on the class CS certificates, such Additional Interest Accrual Amounts will be paid from amounts that would otherwise be distributable to the class XS certificates on any distribution date. The class XS certificates will not be entitled to reimbursement of such amounts. Therefore, the yield on the class XS certificates will be sensitive to any event that causes Additional Interest Accrual Amounts to be distributed on the class CS certificates, such as the prepayment of underlying mortgage loans with higher interest rate margins over SOFR, or the extension of underlying mortgage loans with lower interest rate margins over SOFR.

The pass-through rates of the Principal Balance Certificates will be capped by (i) with respect to the class AS certificates, the Weighted Average Net Mortgage Pass-Through Rate for the related distribution date minus the Guarantee Fee Rate (*provided* that in no event will the class AS pass-through rate be less than zero) and (ii) with respect to the class CS certificates, the Weighted Average Net Mortgage Pass-Through Rate of the underlying mortgage loans (*provided* that in no event will the class CS pass-through rate be less than zero), as described in this information circular, *provided* that upon a Certificate Index Conversion Event, the Index used in calculating the pass-through rate for the class AS and CS certificates will also convert to an Alternate Index. To the extent the Weighted Average Net Mortgage Pass-Through Rate remains constant or declines, which may be due to the prepayment of underlying mortgage loans with higher interest rate margins over SOFR or the extension of the maturity dates of the underlying mortgage loans with lower interest rate margins over SOFR, the pass-through rate for these classes of certificates may be capped. While, in such circumstances, the class CS certificates will be entitled to Additional Interest Accrual Amounts as described in this information circular, any Additional Interest Accrual Amounts are limited to amounts that would otherwise be distributable to the class XS certificates on any distribution date.

To the extent that funds are not available to pay any Additional Interest Accrual Amount on any distribution date on the class CS certificates, such Additional Interest Accrual Amount will not be distributable on future distribution dates.

### **Weighted Average Life of the Class AS Certificates**

For purposes of this information circular, the weighted average life of any Principal Balance Certificate refers to the average amount of time (in years) that will elapse from the assumed settlement date of July 29, 2021 until each dollar to be applied in reduction of the total outstanding principal balance of those certificates is paid to the investor. For purposes of this “Yield and Maturity Considerations” section, the weighted average life of the class AS certificates is determined by:

- multiplying the amount of each principal distribution on the class AS certificates by the number of years from the assumed settlement date to the related distribution date;
- summing the results; and
- dividing the sum by the total amount of the reductions in the outstanding principal balance of the class AS certificates.

Accordingly, the weighted average life of the class AS certificates will be influenced by, among other things, the rate at which principal of the underlying mortgage loans is paid or otherwise collected or advanced and the extent to which those payments, collections and/or advances of principal are in turn applied in reduction of the outstanding principal balance of that class (including any reductions in outstanding principal balance as a result of Balloon Guarantor Payments).

The Principal Distribution Amount for each distribution date will be payable, subject to the Available Distribution Amount and the distribution priorities described under “Description of the Certificates—Distributions—Priority of Distributions” in this information circular, initially to make distributions of Performing Loan Principal Distribution Amounts to the holders of the class AS certificates, and so long as no Waterfall Trigger Event has occurred and is continuing, the class CS certificates until the principal balance of such class has been reduced to zero, *provided* that distributions to the class CS certificates will follow reimbursement to Freddie Mac of guarantee payments with respect to the class AS and XS certificates. However, if a Waterfall Trigger Event has occurred and is continuing, the holders of the class AS certificates will be entitled to receive distributions of principal from the Performing Loan Principal Distribution Amount, until the outstanding principal balance of the class AS certificates has been reduced to zero, before distribution of principal will be made on the class CS certificates. Thereafter, any remaining portion of the Performing Loan Principal Distribution Amount will be allocated to holders of the class CS certificates until the principal balance of such class has been reduced to zero, *provided* that distributions to the class CS certificates will follow reimbursement to Freddie Mac of guarantee payments with respect to the class AS and XS certificates. Further, the class AS certificates will always be entitled to receive the Specially Serviced Loan Principal Distribution Amount for each distribution date until the outstanding principal balance of the class AS certificates has been reduced to zero. Thereafter, the Specially Serviced Loan Principal Distribution Amount or the remaining portion of it on the applicable distribution date will be allocated to holders of the class CS certificates until the principal balance of such class has been reduced to zero, *provided* that distributions to the class CS certificates will follow reimbursement to Freddie Mac of guarantee payments with respect to the class AS and XS certificates. Consequently, if a Waterfall Trigger Event occurs or if Specially Serviced Loan Principal Distribution Amounts are received or advanced, the weighted average life of the class AS certificates will be shorter, and the weighted average life of the class CS certificates will be longer, than would otherwise be the case if no Waterfall Trigger Event occurs or no Specially Serviced Loan Principal Distribution Amounts are received.

The table set forth on Exhibit D shows with respect to the class AS certificates—

- the weighted average life of such class, and
- the percentage of the initial principal balance of such class that would be outstanding after each of the specified dates,

based on each of the indicated levels of CPR and the Modeling Assumptions.

The actual characteristics and performance of the underlying mortgage loans will differ from the Modeling Assumptions used in calculating the table on Exhibit D. That table is hypothetical in nature and is provided only to give a general sense of how the principal cash flows might behave under the assumed prepayment scenarios. Any difference between the Modeling Assumptions used in calculating the table on Exhibit D and the actual characteristics and performance of the underlying mortgage loans, or their actual prepayment or loss experience, will affect the percentages of initial principal balance of the class AS certificates outstanding over time and their weighted average life.

We cannot assure you that—

- the underlying mortgage loans will prepay in accordance with the Modeling Assumptions or any other assumptions set forth in this information circular;
- the underlying mortgage loans will prepay at any of the indicated levels of CPR or at any other particular prepayment rate;
- the underlying mortgage loans will not experience losses;

- whether or not a Waterfall Trigger Event will occur or amounts distributable as Specially Serviced Loan Principal Distribution Amounts will be received; or
- the underlying mortgage loans that are in a prepayment lockout period or prepayable during any period with a Static Prepayment Premium will not prepay as a result of involuntary liquidations upon default or otherwise, whether voluntarily or involuntarily, during any such period.

You must make your own decisions as to the appropriate loss, prepayment and liquidation assumptions to be used in deciding to purchase any offered certificates.

### **Yield Sensitivity of the Class XS Certificates**

The yield to investors on the class XS certificates will be highly sensitive to the rate and timing of principal payments, including prepayments (in the ordinary course or in connection with holders of a majority interest in the class XS certificates electing to waive payments of Static Prepayment Premiums), on the underlying mortgage loans. If you are contemplating an investment in the class XS certificates, you should fully consider the associated risks, including the risk that an extremely rapid rate of amortization, prepayments and/or liquidations on or with respect to the underlying mortgage loans could result in your failure to recoup fully your initial investment.

The Class XS Pass-Through Rate is calculated based on the Weighted Average Net Mortgage Pass-Through Rate. As a result, the pass-through rate (and, accordingly, the yield to maturity) on the class XS certificates could be adversely affected if underlying mortgage loans with relatively high interest rate margins over SOFR experience a faster rate of principal payment than underlying mortgage loans with relatively low interest rate margins over SOFR. This means that the yield to maturity on the class XS certificates will be sensitive to changes in the relative composition of the mortgage pool as a result of scheduled amortization, voluntary and involuntary prepayments and liquidations of the underlying mortgage loans following default. The Weighted Average Net Mortgage Pass-Through Rate will not be affected by modifications, waivers or amendments with respect to the underlying mortgage loans, except for any modifications, waivers or amendments that increase the mortgage interest rate margin. The yield to maturity on the class XS certificates will be adversely affected to the extent interest otherwise payable to the class XS certificates is required to be distributed on the class CS certificates as Additional Interest Accrual Amounts, as described under “Description of the Certificates—Distributions—Priority of Distributions” in this information circular.

The table set forth on Exhibit E shows pre-tax corporate bond equivalent yield for the class XS certificates based on the Modeling Assumptions, except that the optional termination is exercised, and further assuming the specified purchase prices and the indicated levels of CPR. Those assumed purchase prices are exclusive of accrued interest.

The yields set forth in the table on Exhibit E were calculated by:

- determining the monthly discount rate that, when applied to the assumed stream of cash flows to be paid on the class XS certificates would cause the discounted present value of that assumed stream of cash flows to equal the assumed purchase price for the class XS certificates; and
- converting that monthly discount rate to a corporate bond equivalent rate.

Those calculations do not take into account variations that may occur in the interest rates at which investors in the class XS certificates may be able to reinvest funds received by them as payments on those certificates. Consequently, they do not purport to reflect the return on any investment on the class XS certificates when reinvestment rates are considered.

In addition, the actual characteristics and performance of the underlying mortgage loans will differ from the Modeling Assumptions used in calculating the table on Exhibit E. That table is hypothetical in nature and is provided only to give a general sense of how the cash flows might behave under the assumed prepayment scenarios. Any difference between the Modeling Assumptions used in calculating the table on Exhibit E and the actual characteristics and performance of the underlying mortgage loans, or their actual prepayment or loss experience, will affect the yield on the class XS certificates.

We cannot assure you that—

- the underlying mortgage loans will prepay in accordance with the Modeling Assumptions or any other assumptions set forth in this information circular;
- the underlying mortgage loans will prepay at any of the indicated levels of CPR or at any other particular prepayment rate;
- the underlying mortgage loans will not experience losses;
- the underlying mortgage loans that are in a prepayment lockout period or prepayable during any period with a Static Prepayment Premium will not prepay, whether voluntarily or involuntarily, during any such period;
- the purchase price of the class XS certificates will be as assumed; or
- holders of a majority interest in the class XS certificates would not elect to waive payments of Static Prepayment Premiums.

It is unlikely that the underlying mortgage loans will prepay as assumed at any of the specified CPR levels until maturity or that all of the underlying mortgage loans will prepay at the same rate. Actual yield to maturity for investors in the class XS certificates may be materially different than those indicated in the table on Exhibit E. Timing of changes in rate of prepayment and other liquidations may significantly affect the actual yield to maturity to investors, even if the average rate of principal prepayments and other liquidations is consistent with the expectations of investors. You must make your own decisions as to the appropriate prepayment, liquidation and loss assumptions to be used in deciding whether to purchase the class XS certificates.

## THE POOLING AND SERVICING AGREEMENT

### General

The certificates will be issued, the issuing entity will be created and the underlying mortgage loans (other than the Non-Serviced Loan) will be serviced and administered under the Pooling and Servicing Agreement, by and among the depositor, the master servicer, the special servicer, the trustee, the certificate administrator, the custodian and Freddie Mac. The Non-Serviced Loan will be serviced and administered pursuant to the Non-Serviced Companion Loan PSA, which contains servicing provisions that are substantially similar to those of the Pooling and Servicing Agreement. Unless otherwise specified, any discussion of servicing provisions in this information circular generally exclude the Non-Serviced Loan, which is serviced pursuant to the Non-Serviced Companion Loan PSA. Subject to meeting certain requirements, each Originator has the right and is expected to appoint itself or its affiliate as the sub-servicer of the underlying mortgage loans it originated.

The certificate administrator will provide a copy of the Pooling and Servicing Agreement to a prospective or actual holder or beneficial owner of an offered certificate, upon written request from such party or a placement agent and the completion of an appropriate confidentiality agreement in the form attached to the Pooling and Servicing Agreement and, at the certificate administrator's discretion, payment of a reasonable fee for any expenses. The Pooling and Servicing Agreement will also be made available by the certificate administrator on its website, at the address set forth under "Description of the Certificates—Reports to Certificateholders and Freddie Mac; Available Information" in this information circular.

### The Master Servicer

Wells Fargo Bank, National Association, a national banking association ("Wells Fargo Bank"), will act as the master servicer for the underlying mortgage loans. Wells Fargo Bank is a wholly-owned indirect subsidiary of Wells Fargo & Company. Wells Fargo Bank also originated 3 of the underlying mortgage loans, collectively representing 7.2% of the initial mortgage pool balance. Wells Fargo Bank also acts as the certificate administrator and custodian under the Non-Serviced Companion Loan PSA. Wells Fargo Bank is an affiliate of Wells Fargo Securities, LLC, which is one of the placement agents for the SPCs. The principal west coast commercial mortgage master servicing offices of Wells Fargo Bank are located at MAC A0293-080, 2001 Clayton Road, Concord, California 94520. The principal east coast commercial mortgage master servicing offices of Wells Fargo Bank are located at Three Wells Fargo, MAC D1050-084, 401 South Tryon Street, Charlotte, North Carolina 28202.

Wells Fargo Bank has been master servicing securitized commercial and multifamily mortgage loans in excess of ten years. Wells Fargo Bank's primary servicing system runs on McCracken Financial Solutions Corp.'s Strategy CS software. Wells Fargo Bank reports to trustees and certificate administrators in the CREFC<sup>®</sup> format. The following table sets forth information about Wells Fargo Bank's portfolio of master or primary serviced commercial and multifamily mortgage loans (including loans in securitization transactions and loans owned by other investors) as of the dates indicated:

<b>Commercial and Multifamily Mortgage Loans</b>	<b>As of 12/31/2018</b>	<b>As of 12/31/2019</b>	<b>As of 12/31/2020</b>	<b>As of 6/30/2021</b>
By Approximate Number.....	30,491	30,931	30,536	30,128
By Approximate Aggregate Unpaid Principal Balance (in billions).....	\$569.9	\$594.2	\$601.8	\$603.7

Within this portfolio, as of June 30, 2021 are approximately 23,299 commercial and multifamily mortgage loans with an unpaid principal balance of approximately \$480.6 billion related to CMBS or commercial real estate collateralized debt obligation securities. In addition to servicing loans related to CMBS and commercial real estate collateralized debt obligation securities, Wells Fargo Bank also services whole loans for itself and a variety of investors. The properties securing loans in Wells Fargo Bank's servicing portfolio, as of June 30, 2021, were located in all 50 states, the District of Columbia, Guam, Mexico, the Bahamas, the Virgin Islands and Puerto Rico and include retail, office, multifamily, industrial, hospitality and other types of income-producing properties.

In its master servicing and primary servicing activities, Wells Fargo Bank utilizes a mortgage-servicing technology platform with multiple capabilities and reporting functions. This platform allows Wells Fargo Bank to process mortgage servicing activities including, but not limited to: (i) performing account maintenance; (ii) tracking borrower communications; (iii) tracking real estate tax escrows and payments, insurance escrows and payments, replacement reserve escrows and operating statement data and rent rolls; (iv) entering and updating transaction data; and (v) generating various reports.

The following table sets forth information regarding principal and interest advances and servicing advances made by Wells Fargo Bank, as master servicer, on commercial and multifamily mortgage loans included in commercial mortgage-backed securitizations. The information set forth is the average amount of such advances outstanding over the periods indicated (expressed as a dollar amount and as a percentage of Wells Fargo Bank's portfolio, as of the end of each such period, of master serviced commercial and multifamily mortgage loans included in commercial mortgage-backed securitizations).

<b>Period*</b>	<b>Approximate Securitized Master-Serviced Portfolio (UPB)*</b>	<b>Approximate Outstanding Advances (P&amp;I and PPA)*</b>	<b>Approximate Outstanding Advances as % of UPB</b>
Calendar Year 2018.....	\$426,656,784,434	\$ 509,889,962	0.12%
Calendar Year 2019.....	\$448,683,861,638	\$ 390,136,051	0.09%
Calendar Year 2020.....	\$454,151,591,750	\$ 795,573,185	0.18%
YTD June 30, 2021 .....	\$470,794,165,953	\$1,382,021,594	0.29%

\* "UPB" means unpaid principal balance, "P&I" means principal and interest advances, "PPA" means property protection advances and "YTD" means year-to-date.

Wells Fargo Bank is rated or ranked by Fitch, S&P and DBRS, Inc. ("DBRS Morningstar") as a primary servicer and a master servicer of commercial mortgage loans in the United States. Wells Fargo Bank's servicer ratings by each of these agencies are outlined below:

	<b>Fitch</b>	<b>S&amp;P</b>	<b>DBRS Morningstar</b>
Primary Servicer: .....	CPS1	Strong	MOR CS1
Master Servicer: .....	CMS1-	Strong	MOR CS1

The long-term issuer ratings of Wells Fargo Bank are "A+" by S&P, "Aa2" by Moody's and "AA-" by Fitch. The short-term issuer ratings of Wells Fargo Bank are "A-1" by S&P, "P-1" by Moody's and "F1+" by Fitch.

Wells Fargo Bank has developed policies, procedures and controls relating to its servicing functions to maintain compliance with applicable servicing agreements and servicing standards, including procedures for handling delinquent loans during the period prior to the occurrence of a special servicing transfer event. Wells Fargo Bank's master servicing policies and procedures are updated periodically to keep pace with the changes in the CMBS industry and have been generally consistent for the last three years in all material respects. The only significant

changes in Wells Fargo Bank's policies and procedures have come in response to changes in federal or state law or investor requirements, such as updates issued by the Federal National Mortgage Association or Freddie Mac. In light of COVID-19 and related social distancing, shelter-in-place and similar guidance and requirements, Wells Fargo Bank instituted a requirement that its personnel, including those in the commercial mortgage servicing group, but subject to certain exceptions, work remotely, beginning on March 16, 2020, or as soon as possible thereafter, and continuing through September 6, 2021, or such later date as management decides based on circumstances at that time. This remote-working capability is part of Wells Fargo Bank's business continuity plan. Based on management's review of its remote-working capability and resources and its daily review of actual results since instituting the remote-working requirement, Wells Fargo Bank does not expect the remote-working to adversely affect its servicing operations in any material respect.

Subject to certain restrictions in the Pooling and Servicing Agreement, Wells Fargo Bank may perform any of its obligations under the Pooling and Servicing Agreement through one or more third-party vendors, affiliates or subsidiaries. However, Wells Fargo Bank, in its capacity as the master servicer under the Pooling and Servicing Agreement will remain responsible for its duties under the Pooling and Servicing Agreement. Wells Fargo Bank may engage third-party vendors to provide technology or process efficiencies. Wells Fargo Bank monitors its third-party vendors in compliance with its internal procedures and applicable law. Wells Fargo Bank has entered into contracts with third-party vendors for the following functions:

- provision of Strategy and Strategy CS software;
- audit services;
- tracking and reporting of flood zone changes;
- abstracting of leasing consent requirements contained in loan documents;
- legal representation;
- assembly of data regarding buyer and seller (borrower) with respect to proposed loan assumptions and preparation and underwriting of loan assumption package for review by Wells Fargo Bank;
- performance of property inspections;
- performance of tax parcel searches based on property legal description, monitoring and reporting of delinquent taxes, and collection and payment of taxes;
- Uniform Commercial Code searches and filings;
- insurance tracking and compliance;
- onboarding-new loan setup;
- lien release filing and tracking;
- credit investigation and background checks; and
- defeasance calculations.

Wells Fargo Bank may also enter into agreements with certain firms to act as a primary servicer and to provide cashiering or non-cashiering sub-servicing on the underlying mortgage loans. Wells Fargo Bank monitors and reviews the performance of sub-servicers appointed by it. Generally, all amounts received by Wells Fargo Bank on the underlying mortgage loans will initially be deposited into a common clearing account with collections on other mortgage loans serviced by Wells Fargo Bank and will then be allocated and transferred to the appropriate account as described in this information circular. On the day any amount is to be disbursed by Wells Fargo Bank, that amount is transferred to a common disbursement account prior to disbursement.

Wells Fargo Bank will not have primary responsibility for custody services of original documents evidencing the underlying mortgage loans. On occasion, Wells Fargo Bank may have custody of certain of such documents as are necessary for enforcement actions involving the underlying mortgage loans or otherwise. To the extent Wells Fargo Bank performs custodial functions as a servicer, documents will be maintained in a manner consistent with the Servicing Standard.

Wells Fargo Bank expects to enter into an agreement with the mortgage loan seller to purchase the servicing rights to the underlying mortgage loans and/or the right to be appointed as the master servicer with respect to the underlying mortgage loans.

A Wells Fargo Bank proprietary website ([www.wellsfargo.com/com](http://www.wellsfargo.com/com)) provides investors with access to investor reports for commercial mortgage-backed securitization transactions for which Wells Fargo Bank is master servicer and also provides borrowers with access to current and historical loan and property information for these transactions.

Wells Fargo & Company files reports with the SEC as required under the Exchange Act. Such reports include information regarding Wells Fargo Bank and may be obtained at the website maintained by the SEC at [www.sec.gov](http://www.sec.gov).

There are no legal proceedings pending against Wells Fargo Bank, or to which any property of Wells Fargo Bank is subject, that are material to the certificateholders, nor does Wells Fargo Bank have actual knowledge of any proceedings of this type contemplated by governmental authorities.

The information set forth above in this section “—The Master Servicer” has been provided by Wells Fargo Bank. Neither the depositor nor any other person other than Wells Fargo Bank makes any representation or warranty as to the accuracy or completeness of such information.

Certain duties and obligations of the master servicer and certain related provisions of the Pooling and Servicing Agreement are described under “—Servicing Under the Pooling and Servicing Agreement,” “—Enforcement of “Due-on-Sale” and “Due-on-Encumbrance” Clauses,” “—Required Appraisals” and “—Inspections; Collection of Operating Information” below. The master servicer’s ability to waive or modify any terms, fees, penalties or payments on the underlying mortgage loans and the effect of that ability on the potential cash flows from the underlying mortgage loans are described under “—Modifications, Waivers, Amendments and Consents” below.

Certain terms of the Pooling and Servicing Agreement regarding the master servicer’s removal, replacement, resignation or transfer as master servicer are described under “—Resignation, Removal and Replacement of Servicers; Transfer of Servicing Duties” and “—Rights Upon Event of Default” below. The master servicer’s rights and obligations as master servicer with respect to indemnification, and certain limitations on the master servicer’s liability as master servicer under the Pooling and Servicing Agreement, are described under “—Liability of the Servicers” and “—Certain Indemnities” below.

### **The Special Servicer**

KeyBank National Association, a national banking association (“KeyBank”), will act as the initial special servicer with respect to the underlying mortgage loans, other than the Non-Serviced Loan. KeyBank is a wholly-owned subsidiary of KeyCorp. KeyBank will also act as the Affiliated Borrower Loan Directing Certificateholder with respect to Affiliated Borrower Loans (other than the Non-Serviced Loan) that are not Affiliated Borrower Special Servicer Loans and may, if requested, act as the Directing Certificateholder Servicing Consultant. KeyBank also acts as the Non-Serviced Companion Loan Special Servicer. KeyBank is not an affiliate of the issuing entity, the depositor, the master servicer, the trustee, the custodian, the certificate administrator, the mortgage loan seller, any Originator or any sub-servicer. The principal servicing offices of KeyBank are located at 11501 Outlook Street, Suite 300, Overland Park, Kansas 66211.

KeyBank has been a special servicer of commercial mortgage loans and commercial real estate assets included in CMBS transactions since 1998. As of March 31, 2021, KeyBank was named as special servicer with respect to commercial mortgage loans in 373 CMBS transactions totaling approximately \$152.0 billion in aggregate outstanding principal balance and was special servicing a portfolio that included approximately 173 commercial

mortgage loans with an aggregate outstanding principal balance of approximately \$3.048 billion, which portfolio includes multifamily, office, retail, hospitality and other types of income-producing properties that are located throughout the United States.

The following table sets forth information on the size and growth of KeyBank’s managed portfolio of specially serviced commercial mortgage loans for which KeyBank is the named special servicer in CMBS transactions in the United States.

<b>CMBS (US)</b>	<b>As of 12/31/2018</b>	<b>As of 12/31/2019</b>	<b>As of 12/31/2020</b>	<b>As of 3/31/2021</b>
By Approximate Number of Transactions.....	211	281	363	373
By Approximate Aggregate Principal Balance (in billions).....	\$86.7	\$111.4	\$148.3	\$152.0

KeyBank has resolved over \$13.0 billion of U.S. commercial mortgage loans over the past 10 years. The following table sets forth information on the amount of U.S. commercial mortgage loans that KeyBank has resolved in each of the past 10 calendar years (in billions).

<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>
\$2.27	\$1.89	\$2.69	\$0.63	\$1.4	\$0.27	\$0.23	\$0.12	\$0.32	\$3.2

KeyBank is approved as the master servicer, primary servicer and special servicer for CMBS rated by Moody’s, S&P, Fitch and DBRS, Inc. (“DBRS Morningstar”). Moody’s does not assign specific ratings to servicers. KeyBank is on S&P’s Select Servicer list as a U.S. Commercial Mortgage Master Servicer and as a U.S. Commercial Mortgage Special Servicer, and S&P has assigned to KeyBank the rating of “Strong” as a master servicer, primary servicer and special servicer. Fitch has assigned to KeyBank the ratings of “CMS1” as a master servicer, “CPS1” as a primary servicer and “CSS1-” as a special servicer. DBRS Morningstar has assigned to KeyBank the rankings of “MOR CS1” as master servicer, “MOR CS1” as primary servicer and “MOR CS1” as special servicer. S&P’s, Fitch’s, and DBRS Morningstar’s ratings of a servicer are based on an examination of many factors, including the servicer’s financial condition, management team, organizational structure and operating history.

KeyBank’s servicing system utilizes a mortgage-servicing technology platform with multiple capabilities and reporting functions. This platform allows KeyBank to process mortgage servicing activities including: (i) performing account maintenance; (ii) tracking borrower communications; (iii) tracking real estate tax escrows and payments, insurance escrows and payments, replacement reserve escrows and operating statement data and rent rolls; (iv) entering and updating transaction data; and (v) generating various reports. KeyBank generally uses the CREFC® format to report to trustees of CMBS transactions and maintains a website ([www.key.com/key2cre](http://www.key.com/key2cre)) that provides access to reports and other information to investors in CMBS transactions that KeyBank is the master servicer or special servicer.

KeyBank maintains the accounts it uses in connection with servicing commercial mortgage loans. The following table sets forth the ratings assigned to KeyBank’s debt obligations and deposits.

	<b>S&amp;P</b>	<b>Fitch</b>	<b>Moody’s</b>
Long-Term Debt Obligations.....	A-	A-	A3
Short-Term Debt Obligations .....	A-2	F1	P-2
Long-Term Deposits.....	N/A	A	Aa3
Short-Term Deposits.....	N/A	F1	P-1

KeyBank believes that its financial condition will not have any material adverse effect on the performance of its duties under the Pooling and Servicing Agreement and, accordingly, will not have any material adverse impact on the performance of the underlying mortgage loans or the performance of the certificates.

KeyBank has developed policies, procedures and controls for the performance of its master servicing and special servicing obligations in compliance with applicable servicing agreements, servicing standards and the servicing criteria set forth in Item 1122 of Regulation AB. These policies, procedures and controls include, among other things, procedures to (i) notify borrowers of payment delinquencies and other loan defaults, (ii) work with borrowers to facilitate collections and performance prior to the occurrence of a servicing transfer event, (iii) if a

servicing transfer event occurs as a result of a delinquency, loss, bankruptcy or other loan default, transfer the subject loan to the special servicer, and (iv) manage delinquent loans and loans subject to the bankruptcy of the borrower.

KeyBank's servicing policies and procedures for the servicing functions it will perform under the Pooling and Servicing Agreement for assets of the same type included in the issuing entity are updated periodically to keep pace with the changes in the CMBS industry. For example, KeyBank has, in response to changes in federal or state law or investor requirements, (i) made changes in its insurance monitoring and risk-management functions as a result of the Terrorism Risk Insurance Act of 2002, as amended, and (ii) established a website where investors and mortgage loan borrowers can access information regarding their investments and mortgage loans. Otherwise, KeyBank's servicing policies and procedures have been generally consistent for the last three years in all material respects.

As the special servicer, KeyBank is generally responsible for the special servicing functions with respect to the underlying mortgage loans and any REO Properties. Additionally, KeyBank may from time to time perform some of its servicing obligations under the Pooling and Servicing Agreement through one or more third-party vendors that provide servicing functions such as tracking and reporting flood zone changes, performing UCC searches, filing UCC financing statements and amendments, appraisals, environmental assessments, property condition assessments, property management, real estate brokerage services and other services necessary in the routine course of acquiring, managing and disposing of REO Properties. KeyBank will, in accordance with its internal procedures and applicable law, monitor and review the performance of any third-party vendors retained by it to perform servicing functions, and KeyBank will remain liable for its servicing obligations under the Pooling and Servicing Agreement as if KeyBank had not retained any such vendors.

The manner in which assets are to be deposited into the REO accounts is described in this information circular under “—Realization Upon Mortgage Loans—REO Account” below. Generally, all amounts received by KeyBank in connection with any REO Property held by the issuing entity are deposited into an REO account.

KeyBank will not have primary responsibility for custody services of original documents evidencing the underlying mortgage loans. KeyBank may from time to time have custody of certain of such documents as necessary for enforcement actions involving particular underlying mortgage loans or otherwise. To the extent that KeyBank has custody of any such documents for any such servicing purposes, such documents will be maintained in a manner consistent with the Servicing Standard.

No securitization transaction involving commercial or multifamily mortgage loans in which KeyBank was acting as primary servicer or special servicer has experienced a servicer event of default as a result of any action or inaction of KeyBank as primary servicer or special servicer, as applicable, including as a result of KeyBank's failure to comply with the applicable servicing criteria in connection with any securitization transaction. KeyBank has made all advances required to be made by it under its servicing agreements for commercial and multifamily mortgage loans.

From time to time KeyBank is a party to lawsuits and other legal proceedings as part of its duties as a loan servicer and otherwise arising in the ordinary course of its business. KeyBank does not believe that any lawsuits or legal proceedings that are pending at this time would, individually or in the aggregate, have a material adverse effect on its business or its ability to service the underlying mortgage loans pursuant to the Pooling and Servicing Agreement.

KeyBank is not aware of any lawsuits or legal proceedings, contemplated or pending, by governmental authorities against KeyBank at this time.

The information set forth above in this section “—The Special Servicer” has been provided by KeyBank. Neither the depositor nor any other person other than KeyBank makes any representation or warranty as to the accuracy or completeness of such information.

The special servicer will, among other things, oversee the resolution of any underlying mortgage loan other than the Non-Serviced Loan during a special servicing period and the disposition of REO Properties. Certain of the special servicer's duties as the special servicer under the Pooling and Servicing Agreement, including information regarding the processes for handling delinquencies, losses, bankruptcies and recoveries (such as through a liquidation or sale of an underlying mortgage loan or negotiations or workouts with the borrower under an underlying mortgage loan) are set forth under “—Realization Upon Mortgage Loans” below.

The special servicer may be requested by the Approved Directing Certificateholder (if any) to act as Directing Certificateholder Servicing Consultant and to prepare and deliver a recommendation relating to a requested waiver of any “due-on-sale” or “due-on-encumbrance” clause or a requested consent to a modification, waiver or amendment for certain non-Specially Serviced Mortgage Loans. In providing a recommendation in response to any such request, the Directing Certificateholder Servicing Consultant will be acting as a consultant to such Approved Directing Certificateholder and any such recommendation provided will not be subject to the Servicing Standard. When acting as the Directing Certificateholder Servicing Consultant, the special servicer will have no duty or liability to any certificateholder other than such Approved Directing Certificateholder in connection with any recommendation it provides to such Approved Directing Certificateholder or actions taken by any party as a result of such consultation services provided to such Approved Directing Certificateholder as contemplated by the preceding sentence.

Certain duties and obligations of the special servicer and certain related provisions of the Pooling and Servicing Agreement are described under “—Servicing Under the Pooling and Servicing Agreement,” “—Enforcement of “Due-on-Sale” and “Due-on-Encumbrance” Clauses,” “—Required Appraisals” and “—Inspections; Collection of Operating Information” below. The special servicer’s ability to waive or modify any terms, fees, penalties or payments on the underlying mortgage loans and the effect of that ability on the potential cash flows from the underlying mortgage loans are described under “—Modifications, Waivers, Amendments and Consents” below.

Certain terms of the Pooling and Servicing Agreement regarding the special servicer’s removal, replacement, resignation or transfer as special servicer are described under “—Resignation, Removal and Replacement of Servicers; Transfer of Servicing Duties” and “—Rights Upon Event of Default” below. The special servicer’s rights and obligations as special servicer with respect to indemnification, and certain limitations on the special servicer’s liability as special servicer under the Pooling and Servicing Agreement, are described under “—Liability of the Servicers” and “—Certain Indemnities” below.

### Significant Sub-Servicer

Berkadia is expected to be a sub-servicer of the underlying mortgage loans it originated. Berkadia originated 37 of the underlying mortgage loans, collectively representing 37.8% of the initial mortgage pool balance. Berkadia is, indirectly, wholly-owned by Berkshire Hathaway Inc. and Jefferies Financial Group company.

Berkadia and its predecessor companies have experience with servicing commercial and multifamily mortgage loans in private label CMBS transactions dating back to 1995.

Berkadia performs primary and master servicing on CMBS transactions. In addition, Berkadia carries out primary, master and asset management servicing activities on a contracted basis for third parties such as insurance companies, banks and other financial institutions. Berkadia is one of the largest servicers of commercial real estate loans in the United States. Berkadia’s principal office location is: 323 Norristown Road, Suite 300, Ambler, Pennsylvania 19002 with telephone number: (215) 328-1258.

As of June 30, 2021, Berkadia had a primary/master servicing portfolio of approximately 19,900 loans with an aggregate unpaid principal balance of approximately \$316 billion. The table below contains summary information on the size and growth of the portfolio of commercial and multifamily loans for which Berkadia has acted as primary and/or master servicer:

Portfolio—Primary/Master Servicing	Calendar Year End			
	2018	2019	2020	As of 6/30/2021
CMBS (US) .....	\$ 43.5 billion	\$ 48.2 billion	\$ 52.9 billion	\$ 56.7 billion
Other .....	192.4 billion	231.2 billion	249.9 billion	259.3 billion
Total.....	<u>\$ 235.9 billion</u>	<u>\$ 279.4 billion</u>	<u>\$ 302.8 billion</u>	<u>\$ 316.0 billion</u>

Berkadia currently maintains ratings or rankings from Fitch, S&P and DBRS Morningstar. Berkadia’s primary servicing operations are rated or ranked, CPS1 by Fitch, STRONG by S&P, and CS1 by DBRS Morningstar. Berkadia’s master servicing operations are rated or ranked, CMS2 by Fitch, ABOVE AVERAGE by S&P, and CS2 by DBRS Morningstar.

Berkadia has developed policies, procedures and controls for the performance of its servicing obligations that comply in all material respects with applicable servicing agreements, and the applicable servicing criteria set forth in Item 1122 of Regulation AB. Berkadia reviews its policies and procedures regularly and, to the extent necessary, updates them on an annual basis to ensure that they reflect Berkadia's current servicing practices. There were no material changes made to the policies and procedures in order for Berkadia to be named a sub-servicer on this transaction.

Berkadia has an established business continuity program that is tested regularly in accordance with its policies and procedures. In the event of a disruption, all functions of the disrupted facility would transfer to a steady business recovery facility, providing access to all data and tools to continue to perform its servicing duties. Berkadia's business continuity program is tested and updated on an annual basis.

Berkadia maintains a multi-application mortgage-servicing technology platform, with multiple capabilities and reporting functions, to facilitate the processing of its servicing activities. Berkadia may, from time to time, engage third party contractors or vendors to assist in performing certain routine servicing functions. Berkadia monitors and reviews its third party contractors and vendors in compliance with its internal procedures and applicable law.

Berkadia in its capacity as sub-servicer will not have primary responsibility for custody services of original documents evidencing the underlying mortgage loans. On occasion, Berkadia may have custody of certain original documents as are necessary for servicing actions involving certain of the underlying mortgage loans. To the extent Berkadia has custody of any original documents for any such servicing purposes, the documents will be maintained in a manner consistent with the servicing standard.

No securitization transaction involving commercial mortgage loans in which Berkadia was acting as master or primary servicer has experienced an event of default as a result of any action or inaction by Berkadia as master or primary servicer, including as a result of Berkadia's failure to comply with the applicable servicing criteria in connection with any such securitization transaction.

From time to time Berkadia and its affiliates are parties to lawsuits and other legal proceedings arising in the ordinary course of business. Berkadia does not believe that any such lawsuits or legal proceedings would, individually or in the aggregate, have a material adverse effect on its business or its ability to serve as primary servicer.

The information set forth above in this section “—Significant Sub-Servicers—Berkadia Commercial Mortgage LLC” has been provided by Berkadia. Neither the depositor nor any other person other than Berkadia makes any representation or warranty as to the accuracy or completeness of such information.

Certain duties and obligations of Berkadia as a sub-servicer and the provisions of the Sub-Servicing Agreement are described under “—Summary of Significant Sub-Servicing Agreement” below. Certain terms of the Pooling and Servicing Agreement regarding Berkadia's removal as sub-servicer are described under “—Resignation, Removal and Replacement of Servicers; Transfer of Servicing Duties—Removal of the Master Servicer, the Special Servicer and any Sub-Servicer” below. Berkadia's rights and obligations with respect to indemnification and certain limitations on Berkadia's liability under the Pooling and Servicing Agreement are described under “—Liability of the Servicers,” “—Summary of Significant Sub-Servicing Agreement” and “—Certain Indemnities” below.

### **Summary of Significant Sub-Servicing Agreement**

Pursuant to the terms of the Sub-Servicing Agreement between Berkadia and the master servicer, Berkadia will perform all primary servicing functions in connection with the underlying mortgage loans sub-serviced by Berkadia, including, without limitation: (i) establishing and maintaining accounts; (ii) generating remittance files and investor reporting packages in accordance with CREFC<sup>®</sup> reporting formats; (iii) preparing and filing all UCC continuation statements; (iv) conducting the inspections of the mortgaged real properties (other than with respect to Specially Serviced Mortgage Loans) as provided in the applicable section of the Pooling and Servicing Agreement, and preparing and delivering to the master servicer a written report of the results of such inspection meeting the requirements of the report described in the Pooling and Servicing Agreement; such inspections will be performed at such times and in such manner as are consistent with the Servicing Standard and at such intervals as required by the Pooling and Servicing Agreement, (v) using reasonable efforts consistent with the Servicing Standard to collect in accordance with and as required by the Pooling and Servicing Agreement, the quarterly and annual operating

statements, budgets and rent rolls with respect to the mortgaged real properties and delivering the same to the master servicer, (vi) for each underlying mortgage loan (other than an underlying mortgage loan that is a Specially Serviced Mortgage Loan) preparing in accordance with the Pooling and Servicing Agreement (or, if previously prepared, updating) the CREFC<sup>®</sup> net operating income adjustment worksheet and the CREFC<sup>®</sup> operating statement analysis report and delivering the same to the master servicer, (vii) certain functions with respect to assumptions, due-on-sale clause waivers and certain other borrower requests with respect to non-Specially Serviced Mortgage Loans and (viii) collecting payments from borrowers, depositing such payments in servicing, tax and escrow accounts, making tax, escrow, insurance and other reserve payments from reserve and escrow accounts, remitting such payments to the master servicer and processing certain borrower requests.

With respect to any proposed assumption or due-on-sale waiver, (1) Berkadia will not permit or consent to any assumption, transfer or other similar action contemplated by the applicable sections of the Pooling and Servicing Agreement without the prior written consent of the master servicer, (2) Berkadia will perform and forward to the master servicer any analysis, recommendation or other information required to be prepared and/or delivered by the master servicer under the applicable section of the Pooling and Servicing Agreement, and (3) the master servicer, not Berkadia, will deal directly with the Approved Directing Certificateholder in connection with obtaining any necessary approval or consent from the Approved Directing Certificateholder.

The master servicer and Berkadia each agrees in the Sub-Servicing Agreement to indemnify and hold harmless the master servicer, in the case of Berkadia, and Berkadia, in the case of the master servicer (including any of their officers, directors, general or limited partners, shareholders, members, managers, employees, agents or affiliates) from and against any and all losses, liabilities, damages, claims, judgments, costs, fees, penalties, fines, forfeitures or other expenses (including reasonable legal fees and expenses, including in connection with the enforcement of such indemnified party's rights under the Sub-Servicing Agreement) of the master servicer, in the case of Berkadia, and Berkadia, in the case of the master servicer (including any of their partners, directors, officers, general or limited partners, shareholders, members, employees or agents), resulting from (i) any breach by the indemnitor of any representation, warranty, covenant or agreement made by it in the Sub-Servicing Agreement or (ii) any willful misconduct, bad faith, fraud or negligence by the indemnitor in the performance of its obligations or duties under the Sub-Servicing Agreement or by reason of negligent disregard of such obligations and duties.

Berkadia may be terminated under the Sub-Servicing Agreement in certain limited cases, including upon an event of default or at the direction of Freddie Mac.

The information set forth in this section “—Summary of Significant Sub-Servicing Agreements—Berkadia Commercial Mortgage LLC” has been provided by Berkadia. Neither the depositor nor any other person other than Berkadia makes any representation or warranty as to the accuracy or completeness of such information.

### **Liability of the Servicers**

The master servicer (either in its own right or on behalf of an indemnified sub-servicer), the special servicer, the Non-Serviced Companion Loan Master Servicer, the Non-Serviced Companion Loan Special Servicer and various related persons and entities will be entitled to be indemnified by the issuing entity for certain losses and liabilities incurred by the master servicer, the special servicer, the Non-Serviced Companion Loan Master Servicer or the Non-Serviced Companion Loan Special Servicer, as applicable, as described under “—Certain Indemnities” below.

The underlying mortgage loans will not be obligations of, or be insured or guaranteed by, the master servicer or the special servicer. In addition, the master servicer and the special servicer (including in its capacity as the Affiliated Borrower Loan Directing Certificateholder) will be under no liability to the issuing entity, the other parties to the Pooling and Servicing Agreement or the certificateholders for any action taken, or not taken, in good faith pursuant to the Pooling and Servicing Agreement or for errors in judgment. However, the master servicer and the special servicer will not be protected against any breach of warranties or representations made in the Pooling and Servicing Agreement or from any liability which would otherwise be imposed by reason of willful misconduct, bad faith, fraud or negligence in the performance of its duties or negligent disregard of obligations and duties under the Pooling and Servicing Agreement.

The master servicer and the special servicer each will be required to maintain at its own expense, fidelity insurance, in the form of a financial institution bond, fidelity bond or its equivalent (“Fidelity Insurance”) consistent with the Servicing Standard and errors and omissions insurance (“E&O Insurance”) with an insurer that meets the qualifications set forth in the Pooling and Servicing Agreement with coverage amounts consistent with the Servicing Standard.

In the event that the applicable Servicing Standard is Accepted Servicing Practices, each of the master servicer and the special servicer will be required to maintain Fidelity Insurance and E&O Insurance with an insurer that meets the qualifications set forth in the Pooling and Servicing Agreement and such policy must meet certain requirements as to coverage set forth in the Pooling and Servicing Agreement. In the event that the applicable Servicing Standard is Freddie Mac Servicing Practices, the master servicer will be required to maintain Fidelity Insurance and E&O Insurance with an insurer that meets the qualifications set forth in the Guide and such policy must meet certain requirements as to coverage set forth in the Guide. Coverage of the master servicer or the special servicer under a policy or bond obtained by an affiliate of the master servicer or the special servicer, as applicable, that meets the same requirements as a policy obtained directly by the master servicer or the special servicer will be permitted under the Pooling and Servicing Agreement. In the event that the applicable Servicing Standard is Accepted Servicing Practices, in lieu of obtaining such a policy or bond, the master servicer or the special servicer, as applicable, will be permitted to provide self-insurance with respect to Fidelity Insurance or E&O Insurance, subject to satisfaction of certain credit ratings requirements set forth in the Pooling and Servicing Agreement by the master servicer, the special servicer, or their respective immediate or remote parent companies. In the event that the applicable Servicing Standard is Freddie Mac Servicing Practices, in lieu of obtaining such a policy or bond, the master servicer will be permitted to provide self-insurance with respect to Fidelity Insurance or E&O Insurance, subject to satisfaction by the master servicer of certain credit ratings requirements set forth in the Guide.

#### **Resignation, Removal and Replacement of Servicers; Transfer of Servicing Duties**

*Resignation of the Master Servicer or the Special Servicer.* The master servicer, the special servicer and any Affiliated Borrower Special Servicer will only be permitted to resign from their respective obligations and duties under the Pooling and Servicing Agreement (i) upon a determination that such party’s duties are no longer permissible under applicable law, (ii) upon the appointment of, and the acceptance of such appointment by, a successor to the resigning master servicer or special servicer, as applicable, or (iii) as to the servicing of any Affiliated Borrower Special Servicer Loans, in the case of the special servicer and any Affiliated Borrower Special Servicer, in the manner described in “—Removal of the Master Servicer, the Special Servicer and any Sub-Servicer” below and upon the appointment of, and the acceptance of such appointment by, the successor to the resigning special servicer. Any such successor must satisfy the following conditions applicable to it (the “Successor Servicer Requirements”): (i) Freddie Mac has approved such successor, which approval will not be unreasonably withheld or delayed, (ii) the successor to the master servicer, the special servicer or the Affiliated Borrower Special Servicer, as the case may be, agrees in writing to assume all of the responsibilities, duties and liabilities of the master servicer or the special servicer, as the case may be, under the Pooling and Servicing Agreement and certain Sub-Servicing Agreements that arise thereafter, (iii) such successor (a) is then listed on S&P’s Select Servicer List as a U.S. Commercial Mortgage Master Servicer (in the case of a successor master servicer) or a U.S. Commercial Mortgage Special Servicer (in the case of a successor special servicer) and (b) is rated at least “CMS3” (in the case of a successor master servicer) or “CSS3” (in the case of a successor special servicer) by Fitch and (iv) with respect to a successor special servicer or Affiliated Borrower Special Servicer, the trustee receives an opinion of counsel generally to the effect that, among other things, the agreement pursuant to which such special servicer is replaced is binding. Any determination permitting the resignation of the master servicer or the special servicer because such party’s duties are no longer permissible under applicable law must be evidenced by an opinion of counsel to such effect delivered to the certificate administrator and the trustee, the cost of which, together with any other expenses of such resignation, are required to be borne by the resigning party. No resignation by the master servicer, the special servicer or any Affiliated Borrower Special Servicer will become effective until the trustee or the successor to the master servicer, the special servicer or such Affiliated Borrower Special Servicer, as applicable, has assumed the resigning master servicer’s, special servicer’s or such Affiliated Borrower Special Servicer’s, as applicable, responsibilities and obligations under the Pooling and Servicing Agreement in accordance with this paragraph.

*Removal of the Master Servicer, the Special Servicer and any Sub-Servicer.* If an event of default described under “—Events of Default” below occurs with respect to the master servicer or the special servicer and remains unremedied, the trustee will be authorized, and at the direction of the directing certificateholder (but with respect to

the master servicer, only if the directing certificateholder is an Approved Directing Certificateholder; *provided* that with respect to the event described in clause 9 under “—Events of Default” below, a directing certificateholder that is not an Approved Directing Certificateholder may inform the trustee of any such event of default) or Freddie Mac, the trustee will be required, to terminate the defaulting party and appoint a successor, as described under “—Rights Upon Event of Default” below. The defaulting party is entitled to the payment of all compensation, indemnities and reimbursements, accrued and unpaid to the date of termination, and other similar amounts.

In addition, the directing certificateholder will be entitled to remove, with or without cause, the special servicer or any Affiliated Borrower Special Servicer (if the applicable Affiliated Borrower Special Servicer Loan is not an Affiliated Borrower Loan) and appoint a successor special servicer or Affiliated Borrower Special Servicer, as applicable, rather than have the trustee act as that successor, upon 30 Business Days’ prior written notice to the parties to the Pooling and Servicing Agreement. Any successor special servicer or any Affiliated Borrower Special Servicer must satisfy the Successor Servicer Requirements (including Freddie Mac’s approval, which may not be unreasonably withheld or delayed). In addition, the trustee must receive an opinion of counsel to the effect that the removal of the special servicer and/or the appointment of a successor special servicer is in compliance with the terms of the Pooling and Servicing Agreement. If such removal is without cause, all costs of the issuing entity and the special servicer incurred in connection with transferring the special servicing responsibilities to a successor special servicer will be the responsibility of the directing certificateholder that effected the termination. Moreover, the terminated special servicer will be entitled to—

- payment out of the collection account for all accrued and unpaid special servicing fees, special servicer surveillance fees and additional special servicing compensation;
- continued rights to indemnification; and
- continued rights to some or all liquidation and workout fees earned by it as described below under “—Servicing and Other Compensation and Payment of Expenses.”

If at any time an Affiliated Borrower Special Servicer Loan Event occurs (other than with respect to any Affiliated Borrower Special Servicer Loan Event that exists on the Closing Date and is described in the definition of Affiliated Borrower Special Servicer Loan Event), the Pooling and Servicing Agreement will require that the special servicer promptly resign as special servicer of the related Affiliated Borrower Special Servicer Loan and provides for the appointment of a successor Affiliated Borrower Special Servicer to act as the special servicer with respect to such Affiliated Borrower Special Servicer Loan. If the Affiliated Borrower Special Servicer Loan is not an Affiliated Borrower Loan, the directing certificateholder will have the right to select a successor Affiliated Borrower Special Servicer in accordance with the requirements of the Pooling and Servicing Agreement, including (i) the satisfaction of the Successor Servicer Requirements, and (ii) that the chosen successor is then actively acting as special servicer on a Freddie Mac multifamily mortgage loan securitization or is otherwise approved by Freddie Mac. If (a) the Affiliated Borrower Special Servicer Loan is an Affiliated Borrower Loan or (b) the directing certificateholder does not select a successor to the resigning special servicer within 15 days after receipt of written notice of the applicable Affiliated Borrower Special Servicer Loan Event (in the case of this clause (b) with the option of the directing certificateholder to extend the time period by an additional 15 days if the directing certificateholder is using reasonable efforts to appoint a successor) as described in the prior sentence, the resigning special servicer for the related Affiliated Borrower Special Servicer Loan will be required to use reasonable efforts to select the Affiliated Borrower Special Servicer within 15 days following receipt of written notice of the applicable Affiliated Borrower Special Servicer Loan Event in the case of clause (a) and within 15 days following a failure of the directing certificateholder to select a successor within the time period permitted in the case of clause (b) (in each case with the option of the special servicer to extend the time period by 15 additional days if the special servicer is using reasonable efforts to appoint a successor), each, in accordance with the requirements set forth in the Pooling and Servicing Agreement, including (i) the satisfaction of the Successor Servicer Requirements, and (ii) that the chosen successor is then actively acting as special servicer on a Freddie Mac multifamily mortgage loan securitization or is otherwise approved by Freddie Mac.

The special servicer will be required to provide written notice to the parties to the Pooling and Servicing Agreement and the directing certificateholder of both the occurrence (other than with respect to any Affiliated Borrower Special Servicer Loan Event that exists on the Closing Date and that is described in the definition of Affiliated Borrower Special Servicer Loan Event) and the termination of any Affiliated Borrower Special Servicer

Loan Event within five Business Days after the special servicer obtains knowledge of such occurrence or termination of such Affiliated Borrower Special Servicer Loan Event. Except with respect to any Affiliated Borrower Special Servicer Loan Event that exists on the Closing Date and that is described in the definition of Affiliated Borrower Special Servicer Loan Event, (i) following the Closing Date and prior to its receipt of notice from the special servicer of the occurrence of an Affiliated Borrower Special Servicer Loan Event and (ii) following its receipt of notice, if any, from the special servicer of the termination of any Affiliated Borrower Special Servicer Loan Event and prior to its receipt of notice from the special servicer of the occurrence of another Affiliated Borrower Special Servicer Loan Event, unless, in each case, the trustee, the certificate administrator or the master servicer has actual knowledge that an Affiliated Borrower Special Servicer Loan Event exists, the trustee, the certificate administrator, the master servicer and Freddie Mac will be entitled to conclusively assume that no Affiliated Borrower Special Servicer Loan Event exists. The master servicer, the trustee, the certificate administrator and Freddie Mac may rely on any such notice of the occurrence or termination of an Affiliated Borrower Special Servicer Loan Event without making any independent investigation.

The special servicer will not have any liability with respect to the actions or inactions of the applicable Affiliated Borrower Special Servicer or with respect to the identity of any Affiliated Borrower Special Servicer selected in accordance with the requirements set forth in the Pooling and Servicing Agreement.

Each Affiliated Borrower Special Servicer will perform all of the obligations of the special servicer for the related Affiliated Borrower Special Servicer Loan and will be entitled to all amounts of compensation payable to the special servicer under the Pooling and Servicing Agreement with respect to such Affiliated Borrower Special Servicer Loan that are earned during such time as the related underlying mortgage loan is an Affiliated Borrower Special Servicer Loan. The special servicer that resigns as a result of an Affiliated Borrower Special Servicer Loan Event will be entitled to any special servicer surveillance fees, special servicing fees and liquidation fees that accrued before the effective date of the resignation of the special servicer with respect to an underlying mortgage loan that became an Affiliated Borrower Special Servicer Loan and, for any such underlying mortgage loan that (i) becomes a Corrected Mortgage Loan before the effective date of the special servicer's resignation for such Affiliated Borrower Special Servicer Loan or (ii) would have become a Corrected Mortgage Loan before the effective date of the special servicer's resignation for such Affiliated Borrower Special Servicer Loan but for the requirement to receive three consecutive monthly debt service payments (*provided* that such payments occur within three months after the effective date of the special servicer's resignation), the related workout fees.

If the master servicer or the related Affiliated Borrower Special Servicer, as applicable, has actual knowledge of the termination of any Affiliated Borrower Special Servicer Loan Event, the master servicer or Affiliated Borrower Special Servicer, as applicable, will be required to provide prompt notice of such circumstance to each of the other parties to the Pooling and Servicing Agreement and the directing certificateholder.

If at any time an Affiliated Borrower Special Servicer Loan Event no longer exists with respect to an Affiliated Borrower Special Servicer Loan, (i) the related Affiliated Borrower Special Servicer will be required to promptly resign unless the directing certificateholder, with the consent of Freddie Mac, which consent may not be unreasonably withheld, instructs such Affiliated Borrower Special Servicer not to resign within five Business Days of receipt of notice that such Affiliated Borrower Special Servicer Loan Event no longer exists, (ii) the related underlying mortgage loan will no longer be an Affiliated Borrower Special Servicer Loan upon such resignation of the Affiliated Borrower Special Servicer, (iii) the special servicer for the underlying mortgage loans that are not Affiliated Borrower Special Servicer Loans will automatically succeed to the resigning Affiliated Borrower Special Servicer and will become the special servicer again for such underlying mortgage loan upon any such resignation of the Affiliated Borrower Special Servicer and (iv) such special servicer will be entitled to all compensation payable under the Pooling and Servicing Agreement to the special servicer with respect to such underlying mortgage loan earned after such underlying mortgage loan is no longer an Affiliated Borrower Special Servicer Loan, and the resigning Affiliated Borrower Special Servicer will be entitled to any special servicer surveillance fee, special servicing fees and liquidation fees that accrued while it was the Affiliated Borrower Special Servicer and, for any such underlying mortgage loan that (A) becomes a Corrected Mortgage Loan while such resigning Affiliated Borrower Special Servicer is acting in such capacity, or (B) would have become a Corrected Mortgage Loan while such resigning Affiliated Borrower Special Servicer is acting in such capacity but for the requirement to receive three consecutive monthly debt service payments (*provided* that such payments occur within three months after the effective date of the resignation of such Affiliated Borrower Special Servicer), the related workout fees.

In the event of resignation of the special servicer or the Affiliated Borrower Special Servicer as to the servicing of any Affiliated Borrower Special Servicer Loans, the successor will be required to immediately succeed to its predecessor's duties under the Pooling and Servicing Agreement.

“Affiliated Borrower Special Servicer” means the successor to the resigning special servicer for the related Affiliated Borrower Special Servicer Loan, which successor is appointed in accordance with the requirements set forth above.

“Affiliated Borrower Special Servicer Loan” means any underlying mortgage loan with respect to which an Affiliated Borrower Special Servicer Loan Event has occurred and is continuing. As of the Closing Date, no Affiliated Borrower Special Servicer Loan is expected to exist.

“Affiliated Borrower Special Servicer Loan Event” means an event that will exist with respect to any underlying mortgage loan if at any time the special servicer obtains knowledge that the special servicer, any of its managing members or any of its affiliates (i) becomes, intends to become or is the related borrower (or a proposed replacement borrower) or a Restricted Mezzanine Holder, (ii) becomes aware that the special servicer, any of its managing members or any of its affiliates is or intends to become an affiliate of the related borrower (or an affiliate of the proposed replacement borrower) or a Restricted Mezzanine Holder or (iii) becomes or intends to become the owner of a direct or indirect interest in the related borrower (including a security interest (but not including a mezzanine loan unless the special servicer is a Restricted Mezzanine Holder) or preferred equity or participation interest) or in the related mortgaged real property (including any lien on such mortgaged real property). As of the Closing Date, no Affiliated Borrower Special Servicer Loan Event is expected to exist.

In addition, Freddie Mac will be entitled to direct the master servicer to remove any sub-servicer with respect to any underlying mortgage loan if (i) Freddie Mac determines, in accordance with the provisions of the Guide that any sub-servicer should not sub-service the underlying mortgage loan, (ii) such sub-servicer becomes an affiliate of the trustee or (iii) Freddie Mac determines, in its reasonable discretion, that a conflict of interest exists between such sub-servicer and the related borrower such that the sub-servicer should not sub-service the related underlying mortgage loan; *provided, however*, that any termination in connection with clauses (i), (ii) or (iii) above will be at the expense of Freddie Mac. Any sub-servicer that is terminated pursuant to clauses (i), (ii) or (iii) above will have the right to sell its sub-servicing to either the master servicer or another sub-servicer acceptable to Freddie Mac, which acceptance may not be unreasonably withheld or delayed. Except as provided in this paragraph with respect to Freddie Mac, in no event will Freddie Mac, the depositor, the master servicer, the special servicer, the trustee, the certificate administrator or the issuing entity be liable to any sub-servicer for any termination or other fees, costs and expenses associated with the removal of such sub-servicer.

In addition, with respect to the Non-Serviced Loan, the Non-Serviced Companion Loan Master Servicer, the Non-Serviced Companion Loan Special Servicer and any related sub-servicer may be removed on similar terms to those described in this section “—Removal of the Master Servicer, the Special Servicer and any Sub-Servicer” pursuant to the Non-Serviced Companion Loan PSA. However, if the Non-Serviced Companion Loan Directing Holder exercises its right to replace the Non-Serviced Companion Loan Special Servicer, the directing certificateholder will have a non-binding right of consultation with the Non-Serviced Companion Loan Directing Holder regarding the termination and replacement of the Non-Serviced Companion Loan Special Servicer with respect to the Non-Serviced Whole Loan.

*Transfer of Servicing Duties.* In connection with such appointment and assumption of a successor to the master servicer or the special servicer as described in this information circular, subject to the right of the predecessor master servicer or special servicer to retain certain fees earned by it prior to the applicable event of default, the trustee may make such arrangements for the compensation of such successor out of payments on the underlying mortgage loans as it and such successor agree. However, no such compensation with respect to a successor master servicer or successor special servicer, as the case may be, will be in excess of that paid to the terminated master servicer or special servicer, as the case may be, under the Pooling and Servicing Agreement. The trustee, the master servicer, the special servicer and such successor are required to take such action, consistent with the Pooling and Servicing Agreement, as will be necessary to effectuate any such succession. Any reasonable costs and expenses associated with the transfer of the servicing function (other than with respect to a termination without cause of the special servicer by the directing certificateholder as described above under “—Removal of the Master Servicer, the Special Servicer and any Sub-Servicer”) under the Pooling and Servicing Agreement will be required to be borne by the

predecessor master servicer or special servicer. However, if such predecessor master servicer or special servicer, as applicable, fails to pay such costs and expenses after reasonable efforts to obtain payment, then such costs and expenses will be an expense of the issuing entity.

If the master servicer or the special servicer, as the case may be, is terminated pursuant to the terms of the Pooling and Servicing Agreement, it is required to promptly (and in any event no later than 20 Business Days after its receipt of the notice of termination) provide the trustee with all documents and records requested by the trustee or its designee and in the possession of the master servicer or the special servicer, as the case may be, to enable the trustee or another successor to assume the master servicer's or the special servicer's, as the case may be, functions under the Pooling and Servicing Agreement, and is required to reasonably cooperate with the trustee in effecting the termination of the master servicer's or the special servicer's, as the case may be, responsibilities and rights under the Pooling and Servicing Agreement, including, without limitation, the prompt transfer (and in any event no later than five Business Days after its receipt of the notice of termination) to the trustee or another successor for administration by it of all cash amounts which are at the time, or should have been, credited by the master servicer to the collection account or any other account held by it on account of the underlying mortgage loans or credited by the special servicer to an REO account, as the case may be, or which thereafter are received with respect to any underlying mortgage loan or any REO Property.

### **The Trustee, Certificate Administrator and Custodian**

Citibank, N.A., a national banking association ("Citibank"), will be appointed to act as the trustee, the certificate administrator, the custodian and the certificate registrar under the Pooling and Servicing Agreement. The corporate trust office of Citibank responsible for administration of the issuing entity is located at 388 Greenwich Street, New York, New York 10013, Attention: Citibank Agency & Trust—FREM 2021-KF117 and the office for certificate transfer services is located at 480 Washington Boulevard, 30th Floor, Jersey City, New Jersey 07310, Attention: Securities Window.

Citibank is a wholly-owned subsidiary of Citigroup Inc., a Delaware corporation. Citibank performs as trustee, certificate administrator, custodian and certificate registrar through the Agency and Trust line of business, which is part of the Global Transaction Services division. Citibank has primary corporate trust offices located in both New York and London. Citibank is a leading provider of corporate trust services offering a full range of agency, fiduciary, tender and exchange, depository and escrow services. As of the end of the second quarter of 2021, Citibank's Agency and Trust group managed in excess of \$6 trillion in fixed income and equity investments on behalf of approximately 3,000 corporations worldwide. Since 1987, Citibank's Agency and Trust group has provided trustee services for asset-backed securities containing pool assets consisting of airplane leases, auto loans and leases, boat loans, commercial loans, commodities, credit cards, durable goods, equipment leases, foreign securities, funding agreement backed note programs, truck loans, utilities, student loans and commercial and residential mortgages. As of the end of the second quarter of 2021, Citibank acted as trustee, certificate administrator and/or paying agent for approximately 209 transactions backed by commercial mortgages with an aggregate principal balance of approximately \$230.8 billion. The depositor, the Initial Purchasers, the placement agents, Freddie Mac, the master servicer and the special servicer may maintain banking and other commercial relationships with Citibank and its affiliates. In its capacity as trustee on commercial mortgage securitizations, Citibank is generally required to make an advance if the related master servicer or special servicer fails to make a required advance. Citibank has not been required to make an advance on a CMBS transaction for which it acts as trustee.

Under the terms of the Pooling and Servicing Agreement, Citibank is responsible for securities administration, which includes pool performance calculations, distribution calculations and the preparation of monthly distribution reports. An analyst will also be responsible for the timely delivery of reports to the administration unit for processing all cashflow items. As certificate administrator, Citibank is also responsible for the preparation and filing of all REMIC and, if applicable, grantor trust tax returns on behalf of the issuing entity. In the past three years, Citibank has not made material changes to the policies and procedures of its securities administration services for CMBS.

There have been no material changes to Citibank's policies or procedures with respect to its commercial mortgage-backed trustee or securities administration function other than changes required by applicable laws. In the past three years, Citibank has not materially defaulted in its trustee or securities administration obligations under any pooling and servicing agreement or caused an early amortization or other performance triggering event because of the performance by Citibank as trustee or securities administrator with respect to CMBS.

Citibank is acting as custodian of the mortgage files pursuant to the Pooling and Servicing Agreement. The custodian is responsible to hold and safeguard the mortgage note(s) and other contents of the mortgage file with respect to each underlying mortgage loan on behalf of the trustee and the certificateholders. Each mortgage file will be maintained in a separate file folder marked with a unique bar code to assure loan level file integrity and to assist in inventory management. Files are segregated by transaction and/or issuer. Citibank, through its affiliates and third-party vendors, has been engaged in the mortgage document custody business for more than ten years. Citibank, through its affiliates and third-party vendors, maintains its commercial document custody facilities in St. Paul, Minnesota. One such third-party vendor separately engaged by Citibank in its capacity as custodian under the Pooling and Servicing Agreement is U.S. Bank National Association which will hold and safeguard the mortgage notes and other contents of the mortgage files with respect to the underlying mortgage loans.

The information set forth above in this section "—The Trustee, Certificate Administrator and Custodian" has been provided by Citibank. Neither the depositor nor any other person other than Citibank makes any representation or warranty as to the accuracy or completeness of such information.

See also "—Resignation and Removal of the Trustee and the Certificate Administrator," "—Rights Upon Event of Default," "—Matters Regarding the Trustee, the Certificate Administrator and the Custodian" and "—Certain Indemnities" below.

#### **Resignation and Removal of the Trustee and the Certificate Administrator**

Each of the trustee and the certificate administrator will be permitted at any time to resign from its obligations and duties under the Pooling and Servicing Agreement by giving not less than 30 days' prior written notice to the depositor, the master servicer, the special servicer, Freddie Mac, the trustee or the certificate administrator, as the case may be, and all certificateholders. Upon receiving a notice of resignation, the depositor will be required to use its reasonable best efforts to promptly appoint a qualified successor trustee or certificate administrator acceptable to the master servicer and Freddie Mac. If no successor trustee or certificate administrator has been so appointed and has accepted an appointment within 30 days after the giving of the notice of resignation, the resigning trustee or certificate administrator may petition any court of competent jurisdiction to appoint a successor trustee or certificate administrator, as applicable.

Each of the trustee and the certificate administrator must at all times be, and will be required to resign if it fails to be, (i) a corporation, national bank, trust company or national banking association, organized and doing business under the laws of any state or the United States or the District of Columbia, authorized under such laws to exercise corporate trust powers and to accept the trust conferred under the Pooling and Servicing Agreement, having a combined capital and surplus of at least \$50,000,000 and subject to supervision or examination by federal or state authority and, only in the case of the trustee, may not be an affiliate of the depositor, the master servicer or the special servicer (except during any period when the trustee is acting as, or has become successor to, a master servicer or special servicer, as the case may be), (ii) an institution insured by the Federal Deposit Insurance Corporation and (iii) an institution whose long-term senior unsecured debt (a) is rated "A" or higher by Fitch and "Aa3" or higher by Moody's (or "A2" or higher by Moody's if such institution's short-term unsecured debt obligations are rated "P-1" or higher by Moody's) or (b) is otherwise acceptable to the Approved Directing Certificateholder (if any) and Freddie Mac with respect to such trustee or certificate administrator.

If at any time the trustee or the certificate administrator ceases to be eligible to continue as the trustee or the certificate administrator under the Pooling and Servicing Agreement and fails to resign after request by Freddie Mac, the depositor or the master servicer, or if at any time the trustee or the certificate administrator, as applicable, becomes incapable of acting, or if some events of, or proceedings in respect of, bankruptcy or insolvency occur with respect to the trustee or the certificate administrator, the depositor will be authorized to remove the trustee or the certificate administrator and appoint a successor trustee or certificate administrator, as applicable. In addition, certificateholders entitled to at least 51% of the voting rights may with cause (at any time) or without cause (at any

time upon at least 30 days' prior written notice) remove the trustee or certificate administrator under the Pooling and Servicing Agreement and appoint a successor trustee or certificate administrator acceptable to Freddie Mac. Any successor trustee or certificate administrator must be an institution that meets the requirements of the immediately preceding paragraph. Further, if the ratings of the trustee or the certificate administrator fall below the ratings required by the immediately preceding paragraph, Freddie Mac will have the right to remove the trustee or certificate administrator, as applicable, and appoint a successor trustee or certificate administrator that meets the standards set forth in the Pooling and Servicing Agreement and who is otherwise acceptable to Freddie Mac in its sole discretion.

Any resignation or removal of a trustee or a certificate administrator and appointment of a successor trustee or certificate administrator will not become effective until acceptance of appointment by the successor trustee or certificate administrator, as applicable.

In the event of any resignation or removal of a trustee or a certificate administrator (other than a resignation of a trustee that is required solely due to a change in law or a conflict of interest arising after the Closing Date that is not waived by all of the parties in conflict or is unwaivable), such resignation or removal will be effective with respect to each of such party's other capacities under the Pooling and Servicing Agreement, including, without limitation, such party's capacities as trustee, custodian, certificate administrator and certificate registrar, as the case may be.

See "—Rights Upon Event of Default," "—Matters Regarding the Trustee, the Certificate Administrator and the Custodian" and "—Certain Indemnities" below.

### **Assignment of the Mortgage Loans**

On the Closing Date, we will sell, assign, transfer or otherwise convey all of our right, title and interest in and to the underlying mortgage loans acquired from the mortgage loan seller, without recourse, to the trustee for the benefit of the certificateholders. We will also assign to the trustee our rights under the mortgage loan purchase agreement pursuant to which we acquired the underlying mortgage loans from the mortgage loan seller, except for certain rights to receive notices regarding demands for the mortgage loan seller to repurchase or replace any of the underlying mortgage loans.

### **Servicing Under the Pooling and Servicing Agreement**

*General.* The master servicer and the special servicer must diligently service and administer the underlying mortgage loans (other than the Non-Serviced Loan) and any REO Properties (other than the Non-Serviced REO Property) owned by the issuing entity for which it is responsible under the Pooling and Servicing Agreement directly, through sub-servicers or through an affiliate as provided in the Pooling and Servicing Agreement on behalf of the issuing entity and in the best interest of and for the benefit of the certificateholders as a collective whole, as determined by the master servicer or the special servicer, as the case may be, in its reasonable judgment, in accordance with—

- any and all applicable laws,
- the terms of the Pooling and Servicing Agreement,
- the terms of the respective underlying mortgage loans and any applicable intercreditor, co-lender or similar agreements, and
- to the extent consistent with the items above, the Servicing Standard.

With respect to the Non-Serviced Whole Loan, in the event of a conflict between the Pooling and Servicing Agreement and the Co-Lender Agreement, the Co-Lender Agreement will control with respect to rights as between the Non-Serviced Whole Loan Noteholders. However in no event may the master servicer or the special servicer take any action or omit to take any action in accordance with the terms of the Co-Lender Agreement that would cause the master servicer or the special servicer, as the case may be, to violate the Servicing Standard or the REMIC Provisions. The master servicer or the special servicer, as the case may be, will be required to use efforts consistent with the Servicing Standard to obtain the benefits of the rights of the issuing entity (as holder of the Non-Serviced Loan) under the Co-Lender Agreement.

In general, the master servicer will be responsible for the servicing and administration of—

- all underlying mortgage loans (other than the Non-Serviced Loan) as to which no Servicing Transfer Event has occurred, and
- all worked-out underlying mortgage loans (other than the Non-Serviced Loan) as to which no new Servicing Transfer Event has occurred.

If a Servicing Transfer Event occurs with respect to any underlying mortgage loan (other than the Non-Serviced Loan), that underlying mortgage loan will not be considered to be “worked-out” until all applicable Servicing Transfer Events have ceased to exist.

In general, subject to specified requirements and certain consultations, consents and approvals of the Approved Directing Certificateholder (if any) contained in the Pooling and Servicing Agreement, the special servicer will be responsible for the servicing and administration of each underlying mortgage loan (other than the Non-Serviced Loan) as to which a Servicing Transfer Event has occurred and is continuing. The special servicer will also be responsible for the administration of each REO Property (other than the Non-Serviced REO Property) in the issuing entity.

However, the Pooling and Servicing Agreement will require the master servicer:

- to continue to make all calculations and, subject to the master servicer’s timely receipt of information from the special servicer, prepare and deliver all reports to the certificate administrator required with respect to any specially serviced assets; and
- otherwise, to render other incidental services with respect to any specially serviced assets.

The master servicer will transfer servicing of an underlying mortgage loan (other than the Non-Serviced Loan) to the special servicer upon the occurrence of a Servicing Transfer Event with respect to that underlying mortgage loan. The special servicer will return the servicing of that underlying mortgage loan to the master servicer, and that underlying mortgage loan will be considered to have been worked-out, if and when all Servicing Transfer Events with respect to that underlying mortgage loan cease to exist and that underlying mortgage loan has become a Corrected Mortgage Loan.

The master servicer, the Directing Certificateholder Servicing Consultant and any sub-servicer may consult with Freddie Mac with respect to the application of Freddie Mac Servicing Practices to any matters related to non-Specially Serviced Mortgage Loans (other than the Non-Serviced Loan), but the Directing Certificateholder Servicing Consultant will not be bound by any such consultation. Freddie Mac will be acting as a “servicing consultant” in connection with such consultations. Any sub-servicer will be required to inform the master servicer of any such consultation with Freddie Mac. Freddie Mac (in its capacity as the servicing consultant) may contact the related borrower to request any necessary documentation from such borrower in order to provide consultation to the master servicer, the Directing Certificateholder Servicing Consultant or any sub-servicer with respect to the proper application of Freddie Mac Servicing Practices (a copy of such documentation will also be provided by Freddie Mac to (i) the master servicer and (ii) if applicable, the Directing Certificateholder Servicing Consultant and/or any sub-servicer that is consulting with the servicing consultant with respect to such matter, in each such case, to the extent not already provided by such borrower).

The Non-Serviced Loan will be serviced and administered by the Non-Serviced Companion Loan Master Servicer and, if necessary, the Non-Serviced Companion Loan Special Servicer, pursuant to the Non-Serviced Companion Loan PSA and the Co-Lender Agreement. The parties to the Pooling and Servicing Agreement will have no obligation or authority to supervise the parties to the Non-Serviced Companion Loan PSA or to make Servicing Advances with respect to the Non-Serviced Loan, except as described in the following paragraph. Any obligation of the master servicer or special servicer, as applicable, to provide information and collections to the trustee, the certificate administrator or the certificateholders with respect to the Non-Serviced Loan will be dependent on its receipt of the corresponding information and collections from the Non-Serviced Companion Loan Master Servicer or the Non-Serviced Companion Loan Special Servicer.

The master servicer will be obligated to make Servicing Advances with respect to the Non-Serviced Whole Loan in the event that (i) the Non-Serviced Companion Loan is no longer held by the issuing entity established pursuant to the Non-Serviced Companion Loan PSA, (ii) the Non-Serviced Whole Loan remains serviced and

administered pursuant to the Non-Serviced Companion Loan PSA and (iii) the Non-Serviced Companion Loan Master Servicer informs the master servicer in writing of the need to make such Servicing Advances pursuant to the Non-Serviced Companion Loan PSA and the master servicer has received from the Non-Serviced Companion Loan Master Servicer information necessary for the master servicer to determine whether such Servicing Advance would be a Nonrecoverable Servicing Advance; *provided* that the master servicer will not be required to make any such Servicing Advance that it has determined is a Nonrecoverable Servicing Advance. Any such Servicing Advance is required to be made within five Business Days of such notice from the Non-Serviced Companion Loan Master Servicer, or in the case of a Servicing Advance that the Non-Serviced Companion Loan Master Servicer notifies the master servicer needs to be made on an emergency or urgent basis, within two Business Days. The master servicer will be entitled to reimbursement for such Servicing Advances together with interest on such Servicing Advances either (a)(1) out of collections on the Non-Serviced Whole Loan in accordance with Non-Serviced Companion Loan PSA and (2) in accordance with clause 8 under “—Collection Account—Withdrawals” in this information circular or (b) in the same manner as the master servicer is reimbursed for Servicing Advances and interest on Servicing Advances made on underlying mortgage loans and REO Properties under the Pooling and Servicing Agreement (including, if such Servicing Advance is determined to be a Nonrecoverable Servicing Advance, out of general collections on the underlying mortgage loans and REO Properties) as described under “The Pooling and Servicing Agreement—Servicing and Other Compensation and Payment of Expenses—Servicing Advances” in this information circular. The master servicer will be entitled to conclusively rely on any notice and information received from the Non-Serviced Companion Loan Master Servicer regarding the need to make a Servicing Advance with respect to the Non-Serviced Whole Loan.

## **The Guide**

In addition to the specific requirements of the Pooling and Servicing Agreement as described above, and to the extent not inconsistent therewith, the master servicer and the special servicer will be required to service the underlying mortgage loans (other than the Non-Serviced Loan) other than REO Loans, REO Properties and Specially Serviced Mortgage Loans in accordance with Freddie Mac Servicing Practices, an important component of which is the Guide. Freddie Mac may waive or modify its servicing policies and procedures, as reflected in the Guide at any time. The Guide can be accessed by subscribers at [www.allregs.com](http://www.allregs.com).

Generally, under the Guide, servicers are required to perform all services and duties customary to the servicing of multifamily mortgage loans including those factors enumerated in “Description of the Mortgage Loan Seller and Guarantor—Mortgage Loan Purchase and Servicing Standards of the Mortgage Loan Seller—Mortgage Loan Servicing Policies and Procedures” in this information circular.

## **Servicing and Other Compensation and Payment of Expenses**

*The Servicing Fee.* The principal compensation to be paid to the master servicer with respect to its master servicing activities will be a servicing fee consisting of a master servicing fee, all or a portion of the master servicer surveillance fee and a sub-servicing fee. The principal compensation to be paid to any sub-servicer with respect to its sub-servicing activities will be a servicing fee consisting of a sub-servicing fee and a portion of the master servicer surveillance fee (subject to certain conditions described below).

A master servicing fee:

- will be earned with respect to each underlying mortgage loan (including the Non-Serviced Loan) including (without duplication)—
  1. any Specially Serviced Mortgage Loan, and
  2. any REO Loan; and
- in the case of each underlying mortgage loan (including the Non-Serviced Loan) will—
  1. be calculated on the same interest accrual basis as that underlying mortgage loan,
  2. accrue at the master servicing fee rate set forth in “Description of the Certificates—Fees and Expenses” in this information circular,

3. accrue on the same principal amount as interest accrues or is deemed to accrue from time to time with respect to that underlying mortgage loan, and
4. be payable monthly from amounts received with respect to interest on that underlying mortgage loan (or if not so paid, will accrue and remain outstanding).

A master servicer surveillance fee:

- will be earned with respect to each Surveillance Fee Mortgage Loan,
- will be calculated on the same interest accrual basis as that Surveillance Fee Mortgage Loan,
- will accrue at the master servicer surveillance fee rate set forth in “Description of the Certificates—Fees and Expenses” in this information circular,
- will accrue on the same principal amount as interest accrues or is deemed to accrue from time to time with respect to that Surveillance Fee Mortgage Loan, and
- will be payable monthly from amounts received with respect to interest on that Surveillance Fee Mortgage Loan (or if not so paid, will accrue and remain outstanding).

Pursuant to the terms of the related Sub-Servicing Agreement, a sub-servicer will be entitled to retain on a monthly basis a portion of the master servicer surveillance fees received by such sub-servicer as determined in accordance with the *per annum* rate set forth in “Description of the Certificates—Fees and Expenses” in this information circular in respect of each Surveillance Fee Mortgage Loan that it services (with the obligation to remit the remaining portion of such fee to the master servicer), if such sub-servicer is identified in the Pooling and Servicing Agreement as being entitled to receive such portion. A sub-servicer’s entitlement to such portion may not be transferred (in whole or in part) to any other party. If at any time an eligible sub-servicer enters, without Freddie Mac’s prior approval, into an agreement providing for the further sub-servicing by a third party of any Surveillance Fee Mortgage Loan (other than mandatory servicing transfers due to conflicts of interest), or if Freddie Mac notifies the master servicer and the sub-servicer that such sub-servicer is no longer entitled to receive such portion, then the entire master servicer surveillance fee as to the Surveillance Fee Mortgage Loans serviced by that sub-servicer will be remitted to the master servicer.

A sub-servicing fee:

- will be earned with respect to each underlying mortgage loan (other than the Non-Serviced Loan), including (without duplication) Specially Serviced Mortgage Loans and each REO Loan, and
- in the case of each underlying mortgage loan (other than the Non-Serviced Loan) will—
  1. be calculated on the same interest accrual basis as that underlying mortgage loan,
  2. accrue at the sub-servicing fee rate set forth in “Description of the Certificates—Fees and Expenses” in this information circular,
  3. accrue on the same principal amount as interest accrues or is deemed to accrue from time to time with respect to that underlying mortgage loan, and
  4. be payable monthly from amounts received with respect to interest on that underlying mortgage loan (or if not so paid, will accrue and remain outstanding).

With respect to the Non-Serviced Loan, a sub-servicing fee will be paid to the related sub-servicer pursuant to the Non-Serviced Companion Loan PSA.

In the event that Wells Fargo Bank resigns or is terminated as master servicer, Wells Fargo Bank (or its assignee) will be entitled to retain any sub-servicing fee payable to it in its capacity as primary servicer so long as it continues to act in that capacity for any underlying mortgage loan.

The right of the master servicer to receive the master servicing fee or the master servicer surveillance fee may not be transferred in whole or in part except in connection with the transfer of all of the master servicer's responsibilities and obligations under the Pooling and Servicing Agreement.

*Prepayment Interest Shortfalls.* The Pooling and Servicing Agreement provides that, although the loan documents require the payment of a full month's interest on any voluntary prepayment not made on a due date, if any Prepayment Interest Shortfall is incurred by reason of the master servicer's acceptance, other than at the request of the Approved Directing Certificateholder (if any), of any principal prepayment relating to one or more underlying mortgage loans (other than the Non-Serviced Loan) during any Collection Period, then the master servicer must make a payment prior to the related distribution date in an amount equal to the aggregate of such Prepayment Interest Shortfalls for such Collection Period up to an amount not to exceed the master servicing fee for such Collection Period, with no right to reimbursement. This obligation to cover Prepayment Interest Shortfalls will not apply with respect to a principal prepayment accepted by the master servicer (i) with respect to any Specially Serviced Mortgage Loan, (ii) subsequent to a default under the related loan documents (*provided* that the master servicer or the special servicer reasonably believes that acceptance of such prepayment is consistent with the Servicing Standard), (iii) pursuant to applicable law or a court order, (iv) in respect of a payment of insurance and condemnation proceeds or (v) pursuant to any term of the related loan documents that allows such prepayment to be made without the payment of a full month's interest.

In addition, if Prepayment Interest Shortfalls are incurred during any Collection Period with respect to any underlying mortgage loan (other than the Non-Serviced Loan) serviced by the master servicer and the master servicer's payment in respect of such Prepayment Interest Shortfalls as contemplated by the prior paragraph is less than the entire amount of Prepayment Interest Shortfalls, then the master servicer (i) must apply any Prepayment Interest Excesses received during that Collection Period with respect to other underlying mortgage loans to offset such Prepayment Interest Shortfalls and (ii) in any event, may retain, as additional compensation, any such Prepayment Interest Excesses that are not needed to accomplish such offset. Any Prepayment Interest Shortfall in respect of the Non-Serviced Whole Loan not offset by prepayment interest excesses pursuant to the Non-Serviced Companion Loan PSA will be allocated *pro rata* between the issuing entity and the Non-Serviced Companion Loan Holder under the Non-Serviced Companion Loan PSA based on the respective outstanding principal balances of the Non-Serviced Loan and the Non-Serviced Companion Loan.

No other master servicing compensation will be available to cover Prepayment Interest Shortfalls, and the master servicer's obligation to make payments to cover Prepayment Interest Shortfalls in respect of a particular Collection Period will not carry over to any subsequent Collection Period.

With respect to the Non-Serviced Loan, the Non-Serviced Companion Loan Master Servicer has the obligation to cover Prepayment Interest Shortfalls on the Non-Serviced Loan on similar terms as the master servicer is obligated to cover Prepayment Interest Shortfalls on the other underlying mortgage loans as described in this section "—Prepayment Interest Shortfalls". However, any amounts available to offset prepayment interest shortfalls pursuant to the Non-Serviced Companion Loan PSA will be limited to the aggregate of the Non-Serviced Companion Loan Master Servicer's master servicing fees payable under the Non-Serviced Companion Loan PSA and will be applied to offset prepayment interest shortfalls on all of the loans serviced pursuant to the Non-Serviced Companion Loan PSA (including the Non-Serviced Loan) *pro rata* based on the outstanding principal balance of any such loans on which prepayment interest shortfalls then exist.

Any payments made by the master servicer (or with respect to the Non-Serviced Loan, the Non-Serviced Companion Loan Master Servicer) with respect to any distribution date to cover Prepayment Interest Shortfalls, and any Prepayment Interest Excesses applied to offset Prepayment Interest Shortfalls, will be included in the Available Distribution Amount for that distribution date, as described under "Description of the Certificates—Distributions" in this information circular. If the amount of Prepayment Interest Shortfalls incurred with respect to the mortgage pool during any Collection Period exceeds the sum of—

- any payments made by the master servicer (or with respect to the Non-Serviced Loan, the Non-Serviced Companion Loan Master Servicer) with respect to the related distribution date to cover those Prepayment Interest Shortfalls, and
- any Prepayment Interest Excesses applied to offset those Prepayment Interest Shortfalls,

then the resulting Net Aggregate Prepayment Interest Shortfall will be allocated among the respective interest-bearing classes of certificates, in reduction of the interest distributable on those certificates, as and to the extent described under “Description of the Certificates—Distributions—Interest Distributions” in this information circular.

*Principal Special Servicing Compensation.* The principal compensation to be paid to the special servicer with respect to its special servicing activities will be—

- the corresponding special servicing fees;
- the corresponding workout fees;
- the corresponding liquidation fees; and
- the special servicer surveillance fee.

Special Servicing Fee. A special servicing fee:

- will be earned with respect to—
  1. each Specially Serviced Mortgage Loan, and
  2. each REO Loan;
- in the case of each underlying mortgage loan (other than the Non-Serviced Loan) described in the preceding bullet point, will—
  1. be calculated on the same interest accrual basis as that underlying mortgage loan,
  2. accrue at the special servicing fee rate set forth in “Description of the Certificates—Fees and Expenses” in this information circular, and
  3. accrue on the Stated Principal Balance of that underlying mortgage loan outstanding from time to time; and
- will generally be payable to the special servicer monthly from general collections on the mortgage pool.

Special Servicer Surveillance Fee. A special servicer surveillance fee:

- will be earned with respect to each Surveillance Fee Mortgage Loan,
- will be calculated on the same interest accrual basis as that Surveillance Fee Mortgage Loan,
- will accrue at the special servicer surveillance fee rate set forth in “Description of the Certificates—Fees and Expenses” in this information circular,
- will accrue on the same principal amount as interest accrues or is deemed to accrue from time to time with respect to that Surveillance Fee Mortgage Loan, and
- will be payable monthly from amounts received with respect to interest on that Surveillance Fee Mortgage Loan (or if not so paid, will accrue and remain outstanding).

Workout Fee. The special servicer will, in general, be entitled to receive a workout fee with respect to each Specially Serviced Mortgage Loan that has been worked out by it. The workout fee will be payable out of, and will generally be calculated by application of the workout fee rate set forth in “Description of the Certificates—Fees and Expenses” in this information circular to each payment of interest (other than Default Interest) and principal (including scheduled payments, prepayments, balloon payments, payments at maturity and payments resulting from a partial condemnation) received on the underlying mortgage loan for so long as it remains a worked-out underlying mortgage loan. The workout fee with respect to any worked-out underlying mortgage loan will cease to be payable if a new Servicing Transfer Event occurs with respect to that underlying mortgage loan. However, a new workout fee would become payable if the underlying mortgage loan again became a worked-out underlying mortgage loan with respect to that new Servicing Transfer Event.

If the special servicer is terminated (other than for cause) or resigns, it will retain the right to receive any and all workout fees payable with respect to underlying mortgage loans (other than the Non-Serviced Loan) that were (or were close to being) worked out by it during the period that it acted as the special servicer and as to which no new Servicing Transfer Event had occurred as of the time of that termination. The successor special servicer will not be entitled to any portion of those workout fees.

Although workout fees are intended to provide the special servicer with an incentive to better perform its duties, the payment of any workout fee will reduce amounts payable to the certificateholders.

Liquidation Fee. The special servicer will be entitled to receive a liquidation fee with respect to each Specially Serviced Mortgage Loan for which it obtains a full, partial or discounted payoff from the related borrower. The special servicer will also be entitled to receive a liquidation fee with respect to any Specially Serviced Mortgage Loan or REO Property as to which it receives any Liquidation Proceeds, except as described in the next paragraph. A liquidation fee will also be payable in connection with the repurchase or replacement of any underlying mortgage loan (other than the Non-Serviced Loan) for a material breach of a representation or warranty or a material document defect, as described under “Description of the Underlying Mortgage Loans—Cures, Repurchases and Substitutions” in this information circular, if the repurchase or substitution occurs after the end of the applicable cure period (and any applicable extension of the applicable cure period). As to each Specially Serviced Mortgage Loan and REO Property, the liquidation fee will generally be payable from, and will be calculated by application of the liquidation fee rate set forth in “Description of the Certificates—Fees and Expenses” in this information circular to, the related payment or proceeds, exclusive of liquidation expenses.

However, no liquidation fee will be payable based on, or out of, proceeds received in connection with—

- the purchase of a Defaulted Loan if the purchaser is the directing certificateholder or the Non-Serviced Companion Loan Directing Holder and it purchases such underlying mortgage loan within 90 days after the special servicer provides the initial Fair Value Notice described in “—Realization Upon Mortgage Loans—Purchase Option” below, or at any time if the purchaser is Freddie Mac or the related Junior Loan Holder (or another holder of a related Junior Loan) as described under “—Realization Upon Mortgage Loans—Purchase Option” below;
- the repurchase or replacement of any underlying mortgage loan for a material breach of a representation or warranty or a material document defect as described under “Description of the Underlying Mortgage Loans—Cures, Repurchases and Substitutions” in this information circular, within the applicable cure period (and any applicable extension of the applicable cure period); or
- the purchase of all of the underlying mortgage loans and REO Properties in the issuing entity by the Controlling Class Majority Holder, the master servicer or the special servicer in connection with the termination of the issuing entity, as described under “—Termination” below.

Although liquidation fees are intended to provide the special servicer with an incentive to better perform its duties, the payment of any liquidation fee will reduce amounts payable to the certificateholders.

The right of the special servicer to receive the related special servicing fee and special servicer surveillance fee may not be transferred in whole or in part except in connection with the transfer of all of the special servicer’s responsibilities and obligations under the Pooling and Servicing Agreement.

However, the special servicer may, subject to the above-described prohibition on transfers of the right to receive the special servicing fee and the special servicer surveillance fee, enter into one or more arrangements to assign to another person (including, without limitation, any certificateholder or an affiliate of any certificateholder), or to provide for the payment by the special servicer to such person, of all or a portion of the special servicer’s compensation (excluding the special servicing fee or the special servicer surveillance fee, as described above) under the Pooling and Servicing Agreement, *provided* that any such assignment or provision will not be binding on any successor special servicer or any other party to the Pooling and Servicing Agreement.

*Additional Servicing Compensation.* The master servicer may retain, as additional compensation, any Prepayment Interest Excesses received with respect to the underlying mortgage loans (other than the Non-Serviced Loan), but only to the extent that such Prepayment Interest Excesses are not needed to offset Prepayment Interest

Shortfalls, as described under “—Prepayment Interest Shortfalls” above. The master servicer may also retain all the Transfer Processing Fees collected on or with respect to any underlying mortgage loans (other than the Non-Serviced Loan) that are not Specially Serviced Mortgage Loans (a portion of which may be payable to a sub-servicer under a related Sub-Servicing Agreement).

Any late payment charges and Default Interest actually collected on an underlying mortgage loan (other than the Non-Serviced Loan) and that are not otherwise applied as described in the last paragraph under “Description of the Certificates—Reductions of Certificate Principal Balances in Connection with Realized Losses and Additional Issuing Entity Expenses” in this information circular, will be allocated between the master servicer and the special servicer as additional compensation in accordance with the Pooling and Servicing Agreement.

Transfer Fees collected on the underlying mortgage loans (other than the Non-Serviced Loan and Specially Serviced Mortgage Loans) will be allocated (i) solely to the master servicer (a portion of which may be payable to a sub-servicer under the related Sub-Servicing Agreement) or (ii) between the master servicer (a portion of which may be payable to a sub-servicer under a related Sub-Servicing Agreement) and the Approved Directing Certificateholder or Affiliated Borrower Loan Directing Certificateholder as shown under “Description of the Certificates—Fees and Expenses” in this information circular.

Any extension fees, modification fees, assumption fees, assumption application fees, earnout fees, consent/waiver fees and other comparable transaction fees and charges collected on the Specially Serviced Mortgage Loans will be allocated to the special servicer, as shown under “Description of the Certificates—Fees and Expenses” in this information circular.

The master servicer will be authorized to invest or direct the investment of funds held in its collection account, or in any escrow and/or reserve account maintained by it, in Permitted Investments. See “—Collection Account” below. The master servicer—

- will generally be entitled to retain any interest or other income earned on those funds; and
- will be required to cover any losses of principal from its own funds, to the extent those losses are incurred with respect to investments made for the master servicer’s benefit, but the master servicer is not required to cover any losses caused by the insolvency of the depository institution or trust company holding such account so long as (i) such depository institution or trust company (a) satisfied the requirements set forth in the Pooling and Servicing Agreement at the time such investment was made and (b) is neither the master servicer nor an affiliate of the master servicer and (ii) such insolvency occurs within 30 days of the date on which such depository institution or trust company no longer satisfies the requirements set forth in the Pooling and Servicing Agreement.

The special servicer will be authorized to invest or direct the investment of funds held in its REO account in Permitted Investments. See “—Realization Upon Mortgage Loans—REO Account” below. The special servicer—

- will generally be entitled to retain any interest or other income earned on those funds; and
- will be required to cover any losses of principal from its own funds, to the extent those losses are incurred with respect to investments made for the special servicer’s benefit, but the special servicer is not required to cover any losses caused by the insolvency of the depository institution or trust company holding the REO accounts so long as (i) such depository institution or trust company (a) satisfied the requirements set forth in the Pooling and Servicing Agreement at the time such investment was made and (b) is neither the special servicer nor an affiliate of the special servicer and (ii) such insolvency occurs within 30 days of the date on which such depository institution or trust company no longer satisfies the requirements set forth in the Pooling and Servicing Agreement.

*Servicing Advances.* With respect to each underlying mortgage loan (other than the Non-Serviced Loan), in accordance with the Servicing Standard, the master servicer will be obligated, if and to the extent necessary, to advance all such amounts as are necessary to pay, among other things, (i) premiums on insurance policies with respect to the related mortgaged real property, (ii) operating, leasing, managing and liquidation expenses for the mortgaged real property after it has become an REO Property, (iii) the cost of environmental inspections with respect to the mortgaged real property, (iv) real estate taxes, assessments and other items that are or may become a

lien on the mortgaged real property, (v) the costs and expenses of any enforcement or judicial proceedings with respect to that underlying mortgage loan, including foreclosure and similar proceedings, (vi) the cost of appraisals with respect to such mortgaged real property and (vii) any other amount required to be paid as a servicing advance or deemed to be a servicing advance under the Pooling and Servicing Agreement (each, a “Servicing Advance”). The special servicer will have no obligation to make any Servicing Advances.

With respect to any underlying mortgage loan (other than the Non-Serviced Loan) that has a related subordinate loan and is subject to an intercreditor agreement that allows the lender for the underlying mortgage loan to cure defaults on the related subordinate loan, any advance made by the master servicer or the special servicer to exercise the issuing entity’s rights under such intercreditor agreement to cure any such default on the subordinate loan will be limited to the monthly debt service payments on the subordinate loan and will be deemed to be a Servicing Advance. This monthly debt service payment limitation does not apply to defaults under the related subordinate loan which are also defaults under the senior underlying mortgage loan and as to which the Servicing Advance is being made pursuant to the related loan documents and not solely to cure the default on the subordinate loan. In addition, with respect to any underlying mortgage loan (other than the Non-Serviced Loan) that has a related subordinate loan, any Servicing Advance that is made or proposed to be made in order to cure a default on such subordinate loan will be subject to the same application, reimbursements and nonrecoverability determinations as any other Servicing Advance under the Pooling and Servicing Agreement. None of the master servicer, the special servicer or, if applicable, the trustee will be required to make any Servicing Advance that would, if made, constitute a Nonrecoverable Servicing Advance.

Any and all customary, reasonable and necessary out-of-pocket costs and expenses (including for the remediation of any adverse environmental circumstance or condition at any of the mortgaged real properties) incurred by the master servicer or the special servicer in connection with the servicing of an underlying mortgage loan (other than the Non-Serviced Loan) if a default, delinquency or other unanticipated event has occurred or is reasonably foreseeable, or in connection with the administration of any REO Property in the issuing entity, will be Servicing Advances. Servicing Advances will be reimbursable from future payments and other collections, including insurance proceeds, condemnation proceeds and Liquidation Proceeds, received in connection with the related underlying mortgage loan or REO Property, except as described below with respect to Nonrecoverable Servicing Advances.

The special servicer will request the master servicer to make required Servicing Advances with respect to a Specially Serviced Mortgage Loan or REO Property on a monthly basis (except for Servicing Advances required on an emergency basis). The special servicer must make the request not less than five Business Days prior to the date the Servicing Advance is required to be made (except for Servicing Advances required on an emergency basis). The master servicer must make the requested Servicing Advance within a specified number of days following the master servicer’s receipt of the request. The special servicer will be required to provide the master servicer any information in its possession as the master servicer may reasonably request to enable the master servicer to determine whether a requested Servicing Advance would be recoverable from expected collections on the Specially Serviced Mortgage Loan or REO Property.

To the extent that the master servicer fails to make a Servicing Advance that it is required to make under the Pooling and Servicing Agreement and a responsible officer of the trustee has received notice or has actual knowledge of such failure, the trustee will be required to make such Servicing Advance pursuant to the Pooling and Servicing Agreement no later than one Business Day following the master servicer’s failure to make such Servicing Advances by expiration of the applicable cure period as described under “—Events of Default” below.

However, neither the trustee nor the master servicer will be obligated to make Servicing Advances that, in the judgment of the master servicer, the special servicer or the trustee (in accordance with the Servicing Standard in the case of the judgment of the master servicer or the special servicer, or in accordance with good faith business judgment in the case of the judgment of the trustee), would not be ultimately recoverable from expected collections on the related underlying mortgage loan or REO Property. If the master servicer or the trustee makes a Servicing Advance with respect to any underlying mortgage loan or related REO Property (including any such Servicing Advance that is a Workout-Delayed Reimbursement Amount) that the master servicer, the trustee or the special servicer subsequently determines (in accordance with the Servicing Standard in the case of the determination of the master servicer or the special servicer, as applicable, or in accordance with good faith business judgment in the case of the trustee) is not recoverable from expected collections on that underlying mortgage loan or REO Property (or, if

such advance becomes a Workout-Delayed Reimbursement Amount, out of collections of principal on all the underlying mortgage loans after the application of those principal payments and collections to reimburse any party for a Nonrecoverable Advance) (any such Servicing Advance, a “Nonrecoverable Servicing Advance”), the master servicer or the trustee, as applicable, may obtain reimbursement for that advance, together with interest on that advance, out of general collections on the mortgage pool. In making such determination, the master servicer, the trustee or the special servicer, as applicable, may take into account a range of relevant factors, including, among other things, (i) the existence of any outstanding Nonrecoverable Advance or Workout-Delayed Reimbursement Amount on any underlying mortgage loan or REO Loan, (ii) the obligations of the borrower under the related underlying mortgage loan, (iii) the related mortgaged real property in its “as-is” condition, (iv) future expenses and (v) the timing of recoveries. Any reimbursement of a Nonrecoverable Servicing Advance (including interest accrued on such amount) will be deemed to be reimbursed first from payments and other collections of principal on the underlying mortgage loans (thereby reducing the amount of principal otherwise distributable on the certificates on the related distribution date) prior to the application of any other general collections on the mortgage pool against such reimbursement. The special servicer’s determination that a previously made or proposed Servicing Advance is a Nonrecoverable Servicing Advance will be conclusive and binding on the master servicer and the trustee. Prior to or absent such a determination by the special servicer, each of the master servicer and the trustee will be entitled to make its own determination that a Servicing Advance is a Nonrecoverable Servicing Advance, and neither the special servicer nor any other party may require the master servicer or the trustee to make any Servicing Advance that the master servicer or the trustee has determined to be a Nonrecoverable Servicing Advance. In addition, the trustee will be entitled to conclusively rely on the master servicer’s determination that a Servicing Advance is a Nonrecoverable Servicing Advance.

However, instead of obtaining reimbursement out of general collections on the mortgage pool immediately, the master servicer or the trustee, as applicable, may, in its sole discretion, elect to obtain reimbursement for a Nonrecoverable Servicing Advance over a period of time (not to exceed six months without the consent of the Approved Directing Certificateholder (if any) or 12 months in any event), with interest on such amount at the Prime Rate. At any time after such a determination to obtain reimbursement over time in accordance with the preceding sentence, the master servicer or the trustee, as applicable, may, in its sole discretion, decide to obtain reimbursement from general collections on the mortgage pool immediately. In general, such a reimbursement deferral will only be permitted under the Pooling and Servicing Agreement if and to the extent that such Nonrecoverable Servicing Advance, after taking into account other outstanding Nonrecoverable Advances, could not be reimbursed with interest out of payments and other collections of principal on the mortgage pool during the current Collection Period. The fact that a decision to recover a Nonrecoverable Servicing Advance over time, or not to do so, benefits some classes of certificateholders to the detriment of other classes of certificateholders will not constitute a violation of the Servicing Standard or a breach of the terms of the Pooling and Servicing Agreement by any party to the Pooling and Servicing Agreement or a violation of any duty owed to the certificateholders by any party to the Pooling and Servicing Agreement.

In addition, in the event that any Servicing Advance becomes a Workout-Delayed Reimbursement Amount, the master servicer or the trustee, as applicable, will be entitled to reimbursement for such advance and interest accrued on such advance (even though that advance is not deemed a Nonrecoverable Servicing Advance), on a monthly basis, out of payments and other collections of principal on all the underlying mortgage loans after the application of those principal payments and collections to reimburse any party for any Nonrecoverable Advance, prior to any distributions of principal on the certificates. If any such advance is not reimbursed in whole due to insufficient principal collections during the related Collection Period, the portion of that advance which remains unreimbursed will be carried over (with interest on such amount continuing to accrue) for reimbursement in the following Collection Period (to the extent of principal collections available for that purpose). If any such advance, or any portion of any such advance, is determined, at any time during this reimbursement process, to be a Nonrecoverable Advance, then the master servicer or the trustee, as applicable, will be entitled to immediate reimbursement as a Nonrecoverable Advance from general collections on the mortgage pool in an amount equal to the portion of that advance that remains outstanding, plus accrued interest.

The master servicer is permitted (or is required to, at the direction of the special servicer with respect to any Specially Serviced Mortgage Loan or REO Property) to pay directly out of its collection account any servicing expense that, if advanced by the master servicer, would not be recoverable from expected collections on the related underlying mortgage loan or REO Property. This is only to be done, however, when the master servicer, or the

special servicer with respect to any Specially Serviced Mortgage Loan or REO Property, has determined in accordance with the Servicing Standard that making the payment is in the best interest of the certificateholders as a collective whole.

The master servicer, the special servicer and the trustee will be entitled to receive interest on Servicing Advances made by them. The interest will accrue on the amount of each Servicing Advance for so long as the Servicing Advance is outstanding, at a *per annum* rate equal to the Prime Rate. Interest accrued with respect to any Servicing Advance made with respect to any underlying mortgage loan or the related mortgaged real property will be payable in connection with the reimbursement of that Servicing Advance—

- *first*, out of any Default Interest and late payment charges collected on that underlying mortgage loan subsequent to the accrual of that advance interest, and
- *then*, at the time or after the advance has been reimbursed, if and to the extent that the Default Interest and late payment charges referred to in the prior bullet point are insufficient to cover the advance interest, out of any amounts on deposit in the collection account.

### **Enforcement of “Due-on-Sale” and “Due-on-Encumbrance” Clauses**

The special servicer, with respect to the Specially Serviced Mortgage Loans, and the master servicer, with respect to the other underlying mortgage loans (other than the Non-Serviced Loan), each will be required to determine, in a manner consistent with the Servicing Standard, whether to exercise or waive any right the lender may have under either a due-on-sale or due-on-encumbrance clause to accelerate payment of that underlying mortgage loan. Generally, the master servicer or the special servicer (in the case of any Specially Serviced Mortgage Loan), will be required to enforce such due-on-sale or due-on-encumbrance clause, unless the master servicer or the special servicer, as applicable, determines, in accordance with the Servicing Standard, and subject to the applicable provisions of the Pooling and Servicing Agreement, that (i) not declaring an event of default (as defined in the related loan documents) or (ii) granting its consent, in its reasonable judgment, would be consistent with the Servicing Standard. In addition, the master servicer or the special servicer, as applicable, may not waive its rights under a due-on-sale or due-on-encumbrance clause unless the related borrower or a third party, but in no event the issuing entity, pays all related expenses with respect to such waiver. Furthermore, neither the master servicer nor the special servicer may waive its rights or grant its consent under any due-on-sale or due-on-encumbrance clause, other than as expressly permitted pursuant to the Pooling and Servicing Agreement, without the consent of the Approved Directing Certificateholder (if any) (subject to the last two paragraphs of “—Realization Upon Mortgage Loans—Asset Status Report” below with respect to any Affiliated Borrower Loan), *provided* that the Approved Directing Certificateholder (if any) provides such consent within the time period specified in the Pooling and Servicing Agreement.

Before the master servicer or the special servicer may waive any rights under a “due-on-sale” or “due-on-encumbrance” clause, the master servicer or the special servicer, as applicable, must have provided notice to the Approved Directing Certificateholder (if any) and Freddie Mac in accordance with the Pooling and Servicing Agreement, and provided such Approved Directing Certificateholder with its recommendation and analysis and any other information and documents reasonably requested by such Approved Directing Certificateholder. In addition, with respect to a Requested Transfer discussed under “Description of the Underlying Mortgage Loans—Certain Terms and Conditions of the Underlying Mortgage Loans—Due-on-Sale and Due-on-Encumbrance Provisions,” the master servicer or the special servicer must have included along with its recommendation and analysis (i) all material documents reviewed to reach such recommendation and analysis that such Requested Transfer is satisfactory from a credit perspective (taking into consideration, among other things, with respect to the existing borrower, any proposed replacement borrower, any proposed replacement Designated Entity for Transfers or change to a Required Equity Owner’s interest, if any, in the borrower under the loan documents, any proposed replacement guarantor or any proposed replacement property manager, past performance and management experience, balance sheet, equity at risk, net worth, ownership structure and any credit enhancers) and (ii) any additional information or documents that are reasonably requested by the Approved Directing Certificateholder. The approval of the Approved Directing Certificateholder (if any) must be obtained prior to any such waiver. However, the approval of the Approved Directing Certificateholder (if any) will be deemed to have been obtained if it does not approve or disapprove the request within five Business Days of its receipt of the recommendation and analysis from the master servicer or the special servicer, as applicable, and any other information and documents reasonably requested by the

Approved Directing Certificateholder, and with respect to a Requested Transfer, the documents described in clauses (i) and (ii) above. Such approval is not permitted to be unreasonably withheld in connection with a Requested Transfer or a waiver of a “due-on-sale” clause.

Subject to the five-Business Day period described above, the Pooling and Servicing Agreement provides that the Approved Directing Certificateholder (if any) may, at its own expense, request that the Directing Certificateholder Servicing Consultant prepare and deliver to it a recommendation relating to such waiver request. In providing a recommendation in response to any such request, the Directing Certificateholder Servicing Consultant will be acting as a consultant to such Approved Directing Certificateholder and any such recommendation provided will not be subject to the Servicing Standard. The Directing Certificateholder Servicing Consultant will have no duty or liability to any certificateholder other than such Approved Directing Certificateholder in connection with any recommendation it gives such Approved Directing Certificateholder or actions taken by any party as a result of such consultation services provided to such Approved Directing Certificateholder as contemplated above. In no event will any expenses incurred by the Directing Certificateholder Servicing Consultant be an expense of the issuing entity.

With respect to any non-Specially Serviced Mortgage Loan (other than the Non-Serviced Loan) and in connection with the master servicer’s review, consent and/or approval of any Transfer Processing Fee Transaction, the master servicer may as a condition to reviewing any such request by a borrower require that such borrower pay to it as additional servicing compensation, or otherwise, the Transfer Processing Fee. In addition, if the related loan documents require lender consent to a borrower’s request for an assumption or waiver of a “due-on-sale” clause with respect to any underlying mortgage loan, the master servicer may require that such borrower pay to it as additional servicing compensation, or otherwise, the Transfer Fee; *provided* that notwithstanding anything to the contrary in the related loan documents, the master servicer may not require a borrower to pay a Transfer Fee in excess of \$250,000 in connection with any single transaction; *provided, further*, that a transaction involving multiple underlying mortgage loans in the same Crossed Loan Group will not be deemed to constitute a single transaction. The master servicer is not permitted to waive any Transfer Fee set forth in the related loan documents without the consent of the Approved Directing Certificateholder (if any) or the Affiliated Borrower Loan Directing Certificateholder, as applicable, if the consent or review of the Approved Directing Certificateholder or Affiliated Borrower Loan Directing Certificateholder, as applicable, is required with respect to the related Transfer.

If the loan documents do not expressly permit an assumption of the related underlying mortgage loan or the incurrence of subordinate debt, the master servicer or the special servicer, as applicable, will be required to receive confirmation from the Approved Directing Certificateholder (if any) (which confirmation must be provided within the time periods specified in the Pooling and Servicing Agreement and, with respect to a requested assumption, which confirmation may not be unreasonably withheld) that the conditions to such assumption or additional subordinate financing of the underlying mortgage loan have been met prior to (i) agreeing to a requested assumption of an underlying mortgage loan or (ii) agreeing to the incurrence of additional subordinate financing (subject to the last two paragraphs of “—Realization Upon Mortgage Loans—Asset Status Report” below with respect to any Affiliated Borrower Loan).

With respect to the Non-Serviced Companion Loan, if the Non-Serviced Companion Loan Master Servicer or the Non-Serviced Companion Loan Special Servicer, as applicable, is required to obtain the consent of the Non-Serviced Companion Loan Directing Holder prior to waiving any due-on-sale or due-on-encumbrance provision, the directing certificateholder will have a non-binding right of consultation with the Non-Serviced Companion Loan Master Servicer or the Non-Serviced Companion Loan Special Servicer, as applicable, regarding waiving such due-on-sale or due-on-encumbrance provision with respect to the Non-Serviced Loan.

### **Modifications, Waivers, Amendments and Consents**

The Pooling and Servicing Agreement will permit the master servicer or the special servicer, as applicable, to modify, waive or amend any term of any underlying mortgage loan (other than the Non-Serviced Loan) if it determines in accordance with the Servicing Standard that it is appropriate to do so. However, no such modification, waiver or amendment of a non-Specially Serviced Mortgage Loan may—

- affect the amount or timing of any scheduled payments of principal, interest or other amounts (including Static Prepayment Premiums) payable under the underlying mortgage loan, with limited exceptions generally involving the waiver of Default Interest and late payment charges;

- affect the obligation of the related borrower to pay a Static Prepayment Premium or permit a principal prepayment during the applicable lockout period;
- result in a release of the lien of the related mortgage on any material portion of such mortgaged real property without a corresponding principal prepayment, except as expressly provided by the related loan documents, in connection with a pending or threatened condemnation or in connection with a material adverse environmental condition at the related mortgaged real property;
- in the judgment of the master servicer or the special servicer, as applicable, materially impair the security for the underlying mortgage loan or reduce the likelihood of timely payment of amounts due on such underlying mortgage loan; or
- violate the terms of any intercreditor agreement or the Co-Lender Agreement;

unless in the reasonable judgment of the master servicer or the special servicer, as applicable, such modification, waiver or amendment is reasonably likely to produce a greater (or equal) recovery to the certificateholders; and either (i) the underlying mortgage loan is in default, default is reasonably foreseeable or the master servicer or the special servicer, as applicable, reasonably determines that a significant risk of default exists within the meaning of the REMIC Provisions, and after such modification, waiver or amendment the underlying mortgage loan does not fail to qualify as a “qualified mortgage” within the meaning of the REMIC Provisions subject to and in accordance with the requirements of applicable REMIC Provisions (and such servicer may rely on an opinion of counsel in making such determination); *provided* that a release of the lien on any portion of a mortgaged real property (whether prior to or following a default) must satisfy the requirements of the following clause (as determined by the master servicer or the special servicer, as applicable) or (ii) the master servicer or the special servicer, as the case may be, has determined (and may rely on an opinion of counsel in making such determination) that such modification, waiver or amendment will not be a “significant modification” of such underlying mortgage loan within the meaning of Treasury Regulations Section 1.860G-2(b) and will not cause the applicable Trust REMIC to fail to qualify as a REMIC or subject such Trust REMIC to any tax. In order to meet these requirements, in the case of a release of real property collateral securing an underlying mortgage loan, the master servicer or the special servicer, as applicable, will be required to observe the REMIC requirements pertaining to a required payment of principal if the related loan-to-value ratio (as determined pursuant to the following paragraph) immediately after such release exceeds 125%.

In connection with (i) the release of any portion of the mortgaged real property securing any underlying mortgage loan (other than the Non-Serviced Loan) from the lien of such underlying mortgage loan (other than the Non-Serviced Loan) or (ii) the taking of any portion of the mortgaged real property securing any underlying mortgage loan (other than the Non-Serviced Loan) by exercise of the power of eminent domain or condemnation, if the loan documents require the master servicer or the special servicer, as applicable, to calculate (or to approve the calculation by the related borrower of) the loan-to-value ratio of the remaining mortgaged real property securing such underlying mortgage loan or the fair market value of the real property constituting the remaining mortgaged real property securing such underlying mortgage loan for purposes of REMIC qualification of the related underlying mortgage loan, then such calculation will be required to include only the value of the real property constituting the remaining mortgaged real property securing such underlying mortgage loan. In addition, no material amendment to the Co-Lender Agreement may be made at any time without the prior written consent of the directing certificateholder.

Pursuant to the Pooling and Servicing Agreement, certificateholders representing a majority, by outstanding notional amount, of the class XS certificates will have the right, in their sole discretion, to direct the master servicer or the special servicer, as applicable, to waive any obligation of the related borrower to pay a Static Prepayment Premium in connection with any prepayment in full of any underlying mortgage loan.

Despite the limitations on modifications, waivers and amendments described above, but subject to the limitations described below and the terms of any related intercreditor agreement or the Co-Lender Agreement, the special servicer may (or, in some cases, may consent to a request by the master servicer to), in accordance with the Servicing Standard—

- reduce the amounts owing under any Specially Serviced Mortgage Loan by forgiving principal, accrued interest and/or, subject to any direction of certificateholders representing a majority, by outstanding notional amount, of the class XS certificates, any Static Prepayment Premiums;

- reduce the amount of the monthly payment on any Specially Serviced Mortgage Loan, including by way of a reduction in the related mortgage interest rate;
- forbear in the enforcement of any right granted under any mortgage note or mortgage relating to a Specially Serviced Mortgage Loan;
- extend the maturity of a Specially Serviced Mortgage Loan;
- permit the release or substitution of collateral for a Specially Serviced Mortgage Loan; and/or
- accept a principal prepayment during any lockout period;

*provided* that the related borrower is in default with respect to the Specially Serviced Mortgage Loan or such default is reasonably foreseeable (including, for this purpose, if the special servicer reasonably determines that a significant risk of default exists within the meaning of the REMIC Provisions), and in the case of a release pursuant to the fifth bullet point above, the underlying mortgage loan continues to be a “qualified mortgage” within the meaning of the REMIC Provisions.

However, in no event will—

- the master servicer or the special servicer be permitted to extend the scheduled maturity date of any underlying mortgage loan if the interest rate on such underlying mortgage loan is less than the lower of (i) the interest rate in effect prior to such extension or (ii) the then prevailing interest rate for comparable mortgage loans;
- the master servicer be permitted to defer interest due on any underlying mortgage loan in excess of 5% of the Stated Principal Balance of such underlying mortgage loan; or
  - the master servicer or the special servicer extend the scheduled maturity date of any underlying mortgage loan beyond the earlier of (i) July 1, 2034 or (ii) in the case of an underlying mortgage loan secured by a leasehold estate (if any), the date that is 20 years prior to the expiration of the ground lease (after giving effect to the exercise of any extension options).

Neither the master servicer nor the special servicer may permit or modify an underlying mortgage loan that is not a Specially Serviced Mortgage Loan to permit a voluntary prepayment of an underlying mortgage loan on any day other than its due date, unless: (i) the master servicer or the special servicer also collects interest on such underlying mortgage loan through the due date following the date of such prepayment; (ii) that prepayment is otherwise permitted under the related loan documents; (iii) that principal prepayment would not result in a Prepayment Interest Shortfall; (iv) that principal prepayment is accepted by the master servicer or the special servicer at the request of or with the consent of the Approved Directing Certificateholder (if any) (subject to the last two paragraphs of “—Realization Upon Mortgage Loans—Asset Status Report” below with respect to any Affiliated Borrower Loan), or if accepted by the master servicer, with the consent of the special servicer; or (v) it is consistent with the Servicing Standard to do so.

To the extent not inconsistent with the limitations to modifications and consents contained in the Pooling and Servicing Agreement, the master servicer or the special servicer, as applicable, may, consistent with the Servicing Standard, without the consent of any other party, including the Approved Directing Certificateholder (if any), (i) modify, waive or amend the terms of any underlying mortgage loan (other than the Non-Serviced Loan), in accordance with the Servicing Standard, in order to (a) cure any non-material ambiguity or mistake in the related loan documents, (b) correct or supplement any non-material provisions in any related loan documents which may be inconsistent with any other provisions in the related loan documents or correct any non-material error or (c) waive minor covenant defaults or (ii) effect other non-material waivers, consents, modifications or amendments in the ordinary course of servicing an underlying mortgage loan (other than the Non-Serviced Loan).

The special servicer or the master servicer, as applicable, will be required to notify the trustee and the certificate administrator among others, of any modification, waiver or amendment of any term of an underlying mortgage loan and must deliver to the custodian (with a copy to the master servicer) for deposit in the related mortgage file an original counterpart of the agreement related to such modification, waiver or amendment, promptly following the execution of any such modification, waiver or amendment (and, in any event, within 30 Business Days). Copies of each agreement whereby any such modification, waiver or amendment of any term of any underlying mortgage loan

is effected are required to be available for review during normal business hours, upon prior request, at the offices of the master servicer or the special servicer, as applicable. However, no such notice will be required with respect to any waiver of Default Interest or late payment charges and any such waiver need not be in writing.

In connection with a borrower's request received by the master servicer for the master servicer to take a Consent Action with respect to non-Specially Serviced Mortgage Loans (other than the Non-Serviced Loan) that are (i) on the most recent CREFC<sup>®</sup> servicer watchlist and have a debt service coverage ratio less than 1.10x (calculated in accordance with the terms of the Pooling and Servicing Agreement) or (ii) with respect to which an event of default has occurred in the last 12 months, the master servicer will be required to obtain the consent of the Approved Directing Certificateholder (if any) prior to taking such Consent Action and will be required to promptly forward its recommendation and analysis (together with any additional documents and information that such Approved Directing Certificateholder may reasonably request) to such Approved Directing Certificateholder with a copy to the special servicer. Such Approved Directing Certificateholder will be deemed to have approved such recommendation, and the master servicer will be deemed to have obtained such Approved Directing Certificateholder's consent, if not denied by notice within five Business Days after the later of its receipt of the recommendation and analysis or receipt of all additional documents and information that it may reasonably request. Subject to the five Business Day period, the Pooling and Servicing Agreement provides that the Approved Directing Certificateholder (if any) may, at its own expense, request that the Directing Certificateholder Servicing Consultant prepare and deliver a recommendation relating to such Consent Action. In providing a recommendation in response to any such request, the Directing Certificateholder Servicing Consultant will be acting as a consultant to such Approved Directing Certificateholder and any such recommendation provided will not be subject to the Servicing Standard. The Directing Certificateholder Servicing Consultant will have no duty or liability to any certificateholder other than such Approved Directing Certificateholder in connection with any recommendation it gives such Approved Directing Certificateholder or actions taken by any party as a result of such consultation services provided to such Approved Directing Certificateholder as contemplated by the preceding sentence. In no event will any expenses incurred by the Directing Certificateholder Servicing Consultant be an expense of the issuing entity.

The master servicer will be required to obtain the written consent of the special servicer and the Approved Directing Certificateholder (if any) prior to granting any Forbearance Period Extension.

The ability of the master servicer or the special servicer to agree to modify, waive or amend any of the terms of any underlying mortgage loan will be subject to the discussions under “—Realization Upon Mortgage Loans—Directing Certificateholder” and “—Asset Status Report” below.

With respect to the Non-Serviced Companion Loan, if the Non-Serviced Companion Loan Master Servicer or the Non-Serviced Companion Loan Special Servicer, as applicable, is required to obtain the consent of the Non-Serviced Companion Loan Directing Holder for any modification, waiver, amendment or consent, the directing certificateholder will have a non-binding right of consultation with the Non-Serviced Companion Loan Master Servicer or the Non-Serviced Companion Loan Special Servicer, as applicable, regarding any such modification, waiver, amendment or consent with respect to the Non-Serviced Loan.

Notwithstanding anything to the contrary in the loan documents or the Servicing Standard and except with respect to Transfer Fees, Transfer Processing Fees, fees in connection with any Forbearance Period Extension, late payment charges, Default Interest, charges for beneficiary statements or demands and amounts collected for checks returned for insufficient funds, the master servicer may not as a condition to granting any request by a borrower for consent, modification, waiver or indulgence or any other matter or thing pursuant to the terms of the related loan documents (including but not limited to any transaction, matter or request involving the full or partial condemnation of the related mortgaged real property or any borrower request for consent to subject the related mortgaged real property to an easement, right of way or similar agreement for utilities, access, parking, public improvements or another purpose, Permitted Transfers and/or permitted subordinate mortgage debt), require that such borrower pay to it, or otherwise accept, as additional servicing compensation or otherwise (i) any transfer, processing, transaction, review or similar fee, (ii) any fee for additional services performed in connection with such request, including expediting or similar fees or (iii) any related costs and expenses incurred by the master servicer, other than attorneys' fees and costs and the fees and expenses of any third-party service and/or title insurance providers and, if applicable, any NRSRO.

The special servicer may, as a condition to granting any request by a borrower for consent, modification, waiver or indulgence or any other matter or thing the granting of which is within its discretion pursuant to the terms of the related loan documents and is permitted by the terms of the Pooling and Servicing Agreement, require that such borrower pay to it (i) as additional servicing compensation, a reasonable or customary fee for the additional services performed in connection with such request (*provided* that such fee does not constitute a “significant modification” of such underlying mortgage loan under Treasury Regulations Section 1.860G-2(b)) and (ii) any related costs and expenses incurred by it. In no event will the special servicer be entitled to payment of such fees or expenses unless such payment is collected from the related borrower.

The Pooling and Servicing Agreement provides that the Approved Directing Certificateholder (if any) may, at its own expense, request that the Directing Certificateholder Servicing Consultant prepare and deliver recommendations relating to certain requests for consent to Requested Transfers or, with respect to non-Specially Serviced Mortgage Loans, in connection with Consent Actions (in either case, other than with respect to the Non-Serviced Loan). The Approved Directing Certificateholder will be entitled to certain borrower-paid fees in connection with such assumptions, modifications, waivers, amendments or consents. See “Description of the Certificates—Fees and Expenses” in this information circular.

### **Required Appraisals**

Within 60 days following the occurrence of an Appraisal Reduction Event with respect to any of the underlying mortgage loans (other than the Non-Serviced Loan), the special servicer must use reasonable efforts to perform an internal valuation pursuant to the following paragraph or use reasonable efforts to obtain an MAI appraisal of the related mortgaged real property from an independent appraiser meeting the qualifications set forth in the Pooling and Servicing Agreement. In any event, such appraisal(s) or internal valuation(s) are required to be obtained within 120 days or such other reasonable longer time period as agreed to in writing by the Approved Directing Certificateholder (if any) and Freddie Mac from the occurrence of the event that, with the passage of time, would become an Appraisal Reduction Event, unless—

- an appraisal had previously been obtained within the prior 12 months; and
- there has been no material change in the circumstances surrounding the related mortgaged real property subsequent to that appraisal that would, in the judgment of the special servicer, materially affect the value set forth in that earlier appraisal.

However, if the outstanding principal balance (or the allocated loan amount, if applicable) of such underlying mortgage loan is less than \$2,000,000, then the special servicer may perform an internal valuation of the related mortgaged real property instead of an appraisal.

As a result of any appraisal or internal valuation, the master servicer may determine that an Appraisal Reduction Amount exists with respect to such underlying mortgage loan. If such appraisal is not received or an internal valuation is not completed, as applicable, within the time period specified above, the Appraisal Reduction Amount for the related underlying mortgage loan will be 25% of the Stated Principal Balance of such underlying mortgage loan as of the date of the related Appraisal Reduction Event. An Appraisal Reduction Amount is relevant to the determination of the amount of any advances of delinquent interest required to be made with respect to the affected underlying mortgage loan. See “Description of the Certificates—Advances of Delinquent Monthly Debt Service Payments” in this information circular.

If an Appraisal Reduction Event occurs with respect to any underlying mortgage loan (other than the Non-Serviced Loan), then the special servicer will have an ongoing obligation to obtain or perform, as the case may be, within 30 days of each anniversary of the occurrence of that Appraisal Reduction Event, an update of the prior required appraisal or internal valuation. Based on that update, the master servicer is to redetermine and report to the trustee, the certificate administrator, the Guarantor and the special servicer the new Appraisal Reduction Amount, if any, with respect to such underlying mortgage loan. This ongoing obligation will cease if and when—

- the underlying mortgage loan has become a Corrected Mortgage Loan as contemplated under “—Servicing Under the Pooling and Servicing Agreement” above and has remained current for 12 consecutive monthly payments under the terms of the workout; and
- no other Servicing Transfer Event or Appraisal Reduction Event has occurred with respect to the underlying mortgage loan during the preceding three months.

The cost of each required appraisal, and any update of that appraisal, will be advanced by the master servicer, at the direction of the special servicer, and will be reimbursable to the master servicer as a Servicing Advance.

The Non-Serviced Loan is subject to the provisions in the Non-Serviced Companion Loan PSA relating to appraisal reductions that are substantially similar to the provisions described above. The existence of an appraisal reduction under the Non-Serviced Companion Loan PSA in respect of the Non-Serviced Loan will proportionately reduce the master servicer's or the trustee's, as the case may be, obligation to make P&I Advances on the Non-Serviced Loan and will generally have the effect of reducing the amount otherwise available for distributions to the certificateholders. Pursuant to the Non-Serviced Companion Loan PSA, the Non-Serviced Whole Loan will be treated as a single loan for purposes of calculating any Appraisal Reduction Amount with respect to the Non-Serviced Loan and the Non-Serviced Companion Loan. Any Appraisal Reduction Amount in respect of the Non-Serviced Whole Loan will be allocated *pro rata* between the Non-Serviced Loan and the Non-Serviced Companion Loan in accordance with the Co-Lender Agreement.

### **Collection Account**

*General.* The master servicer will be required to establish and maintain a collection account for purposes of holding payments and other collections that it receives with respect to the underlying mortgage loans. The collection account must be maintained in a manner and with a depository institution that meets the requirements of the Pooling and Servicing Agreement.

The funds held in the collection account may be held as cash or invested in Permitted Investments. Subject to the limitations in the Pooling and Servicing Agreement, any interest or other income earned on funds in the collection account will be paid to the master servicer as additional compensation. See “—Servicing and Other Compensation and Payment of Expenses—Additional Servicing Compensation” above.

*Deposits.* The master servicer must deposit or cause to be deposited in its collection account on a daily basis in the case of payments from the borrowers and other collections on the underlying mortgage loans, or as otherwise required under the Pooling and Servicing Agreement, the following payments and collections received or made by or on behalf of the master servicer with respect to the underlying mortgage loans for which it is responsible, subsequent to the Closing Date —

- all principal payments collected, including principal prepayments;
- all interest payments collected, including late payment charges and Default Interest (net of master servicing fees, sub-servicing fees, master servicer surveillance fees, special servicing fees, special servicer surveillance fees, and in respect of late payment charges and Default Interest, net of amounts used to offset interest on any advances);
- any Static Prepayment Premiums collected;
- any MHC Tenant Protections Fees collected;
- any Affordability Noncompliance Fees collected;
- any proceeds received under any property damage, flood, title or other insurance policy that provides coverage with respect to a mortgaged real property or the related underlying mortgage loan, and all proceeds received in connection with the condemnation or the taking by right of eminent domain of a mortgaged real property, in each case to the extent not required to be applied to the restoration of the related mortgaged real property or released to the related borrower;
- any amounts received and retained in connection with the liquidation of Defaulted Loans by foreclosure, deed-in-lieu of foreclosure or as otherwise contemplated under “—Realization Upon Mortgage Loans” below, in each case to the extent not required to be returned to the related borrower;
- any amounts paid by the mortgage loan seller in connection with the repurchase or replacement of, or the curing of any breach of a representation and warranty with respect to, an underlying mortgage loan by that party as described under “Description of the Underlying Mortgage Loans—Cures, Repurchases and Substitutions” in this information circular;

- any amounts paid by the Non-Serviced Companion Loan Holder in respect of its *pro rata* share of costs and expenses borne by the Non-Serviced Companion Loan Holder pursuant to the Co-Lender Agreement;
- any amounts paid to purchase or otherwise acquire all the underlying mortgage loans and any REO Properties in connection with the termination of the issuing entity pursuant to the clean-up call as contemplated under “—Termination” below;
- any amounts required to be deposited by the master servicer in connection with losses incurred with respect to Permitted Investments of funds held in its collection account;
- all payments required to be paid by the master servicer or received from the special servicer with respect to any deductible clause in any blanket property damage insurance policy or master lender placed property damage insurance policy, as described under “Description of the Underlying Mortgage Loans—Certain Terms and Conditions of the Underlying Mortgage Loans—Property Damage, Liability and Other Insurance” in this information circular;
- any amount transferred by the special servicer from its REO account with respect to the REO Properties;
- any payments received from an interest rate cap provider with respect to any Interest Rate Cap Agreement; and
- with respect to the Non-Serviced Loan, any amounts received from the related paying agent pursuant to the Non-Serviced Companion Loan PSA and the Co-Lender Agreement.

Upon its receipt of any of the amounts described in the prior paragraph (other than in connection with a clean-up call) with respect to any Specially Serviced Mortgage Loan, the special servicer is required to remit those amounts within one Business Day to the master servicer for deposit in the collection account.

*Withdrawals.* The master servicer may make withdrawals from its collection account for any of the following purposes (to the extent that each of the following is to be paid from the collection account in accordance with the terms of the Pooling and Servicing Agreement), which are not listed in any order of priority:

1. to remit to the certificate administrator for deposit in the distribution account, as described under “Description of the Certificates—Distribution Account” in this information circular, on the Remittance Date, all payments and other collections on the underlying mortgage loans and any REO Properties that are then on deposit in the collection accounts, exclusive of any portion of those payments and other collections that represents one or more of the following—
  - (i) monthly debt service payments due on a due date subsequent to the end of the related Collection Period;
  - (ii) payments and other collections received by or on behalf of the issuing entity after the end of the related Collection Period; and
  - (iii) amounts that are payable or reimbursable from the collection account to any person other than the certificateholders in accordance with any of clauses 2 through 25 below;
2. to remit amounts required by the Pooling and Servicing Agreement and the Co-Lender Agreement to the Non-Serviced Companion Loan Holder;
3. to reimburse itself or the trustee, as applicable, for any unreimbursed advances made by that party with respect to the mortgage pool, as described under “—Servicing and Other Compensation and Payment of Expenses” above and “Description of the Certificates—Advances of Delinquent Monthly Debt Service Payments” in this information circular, with that reimbursement to be made out of collections on the underlying mortgage loan or REO Property as to which the advance was made;
4. to pay (i) itself, any sub-servicer and/or the holder of the Securitization Compensation Right (if different from the sub-servicer), as applicable, any accrued and unpaid master servicing fees, sub-servicing fees, master servicer surveillance fees or Securitization Compensation with respect to each underlying mortgage loan and (ii) the special servicer accrued and unpaid special servicer surveillance fees, with the payments under clause (i) or clause (ii) to be made out of collections on that underlying mortgage loan or REO Loan, as applicable, that represent payments of interest;

5. to pay itself, any sub-servicer, the special servicer, and/or the holder of the Securitization Compensation Right (if different from the sub-servicer), as applicable, out of general collections on the mortgage pool, any master servicing fees, sub-servicing fees, master servicer surveillance fees or special servicer surveillance fees or Securitization Compensation with respect to each underlying mortgage loan or REO Loan that remains unpaid in accordance with clause 4 above following a final recovery determination made with respect to such underlying mortgage loan or the related REO Property and the deposit into the collection account of all amounts received in connection with such final recovery determination;
6. to pay the special servicer, out of general collections on the mortgage pool, accrued and unpaid special servicing fees with respect to each underlying mortgage loan that is either a Specially Serviced Mortgage Loan or an REO Loan;
7. to pay the special servicer accrued and unpaid workout fees and liquidation fees to which it is entitled, with that payment to be made from the sources described under “—Servicing and Other Compensation and Payment of Expenses” above;
8. to reimburse itself or the trustee, as applicable, out of general collections on the mortgage pool, for any unreimbursed advance made by that party with respect to the mortgage pool as described under “—Servicing and Other Compensation and Payment of Expenses” above and “Description of the Certificates—Advances of Delinquent Monthly Debt Service Payments” in this information circular, which advance has been determined not to be ultimately recoverable under clause 3 above (or, if the applicable underlying mortgage loan has been worked out and returned to performing status, is not recoverable under clause 3 above by the time it is returned to performing status) out of collections on the related underlying mortgage loan or REO Property; *provided* that any such reimbursement is required to be made as and to the extent described under “—Servicing and Other Compensation and Payment of Expenses” above, in the case of a Servicing Advance, or “Description of the Certificates—Advances of Delinquent Monthly Debt Service Payments” in this information circular, in the case of a P&I Advance;
9. to pay itself or the trustee, as applicable, out of general collections on the mortgage pool, unpaid interest accrued on any advance made by that party with respect to the mortgage pool (generally at or about the time of reimbursement of that advance); *provided* that, in the case of any advance reimbursed as described in clause 8 above, the payment of any interest on such advance is to be made as and to the extent described under “—Servicing and Other Compensation and Payment of Expenses” above, in the case of interest on any such advance that is a Servicing Advance, or “Description of the Certificates—Advances of Delinquent Monthly Debt Service Payments” in this information circular, in the case of interest on any such advance that is a P&I Advance;
10. to pay itself, the special servicer, the Approved Directing Certificateholder or any Affiliated Borrower Loan Directing Certificateholder, as applicable, any items of additional servicing compensation on deposit in the collection account as discussed under “—Servicing and Other Compensation and Payment of Expenses—Additional Servicing Compensation” above and to pay the Guarantor any MHC Tenant Protections Fees and Affordability Noncompliance Fees, as applicable, on deposit in the collection account;
11. to pay any unpaid liquidation expenses incurred with respect to any liquidated underlying mortgage loan or REO Property in the issuing entity;
12. to pay, out of general collections on the mortgage pool, any servicing expenses that would, if advanced, be nonrecoverable under clause 3 above;
13. to pay, out of general collections on the mortgage pool, for costs and expenses incurred by the issuing entity due to actions taken pursuant to any environmental assessment, in accordance with the Pooling and Servicing Agreement;
14. to pay Freddie Mac (in its capacity as servicing consultant), itself (and certain indemnified sub-servicers), the special servicer, the trustee, the certificate administrator, the custodian, the depositor or any of their respective affiliates, directors, general or limited partners, members, managers, shareholders, officers, employees, controlling persons and agents, as the case may be, out of general collections on the mortgage pool, any of the reimbursements or indemnities to which such persons or entities are entitled, subject to the relevant Aggregate Annual Cap, as described under “—Certain Indemnities” below;

15. to pay, out of general collections on the mortgage pool, for (i) the costs of various opinions of counsel related to the servicing and administration of the underlying mortgage loans not paid by the related borrower; (ii) expenses properly incurred by the trustee or the certificate administrator in connection with providing tax-related advice to the special servicer and (iii) the fees of the trustee for confirming a Fair Value determination by the special servicer of a Defaulted Loan;
16. to reimburse itself, the special servicer, the depositor, the trustee, the custodian or the certificate administrator, as the case may be, for any unreimbursed expenses reasonably incurred in respect of any material breach of a representation or warranty or a material document defect in respect of an underlying mortgage loan giving rise to a repurchase obligation of the mortgage loan seller or other party, or the enforcement of such obligation, under the mortgage loan purchase agreement, each such person's right to reimbursement pursuant to this clause 16 with respect to any underlying mortgage loan being limited to that portion of the Purchase Price paid for such underlying mortgage loan that represents such expense in accordance with clause (viii) of the definition of Purchase Price;
17. to reimburse itself, the certificate administrator, the trustee, the custodian or the special servicer, as the case may be, out of general collections on the mortgage pool for any unreimbursed expense reasonably incurred by such person relating to an underlying mortgage loan required to be serviced by the master servicer in connection with the enforcement of the mortgage loan seller's obligations under section 7 of the mortgage loan purchase agreement, but only to the extent that such expenses are not reimbursable pursuant to clause 16 above or otherwise;
18. to pay for—
  - (i) the cost of the opinions of counsel for purposes of REMIC administration or amending the Pooling and Servicing Agreement; and
  - (ii) the cost of obtaining an extension from the IRS for the sale of any REO Property;
19. to pay, out of general collections on the mortgage pool, for any and all U.S. federal, state and local taxes imposed on either of the Trust REMICs or the Grantor Trust or their assets or transactions together with incidental expenses;
20. to reimburse itself and the special servicer out of general collections on the mortgage pool for expenses incurred by them with respect to servicing the underlying mortgage loans and reimbursable to them from the trust fund in accordance with the terms of the Pooling and Servicing Agreement (to the extent such expenses are not otherwise reimbursed pursuant to any other provision of "The Pooling and Servicing Agreement—Collection Account—Withdrawals" or pursuant to "Description of the Certificates—Distribution Account—Withdrawals" in this information circular);
21. to pay to the mortgage loan seller any amounts that represent monthly debt service payments due on the underlying mortgage loans on or prior to the Cut-off Date or, in the case of a replacement mortgage loan, during or before the month in which that loan was added to the issuing entity, and, on the first Remittance Date only, to pay the mortgage loan seller the Retained Interest Amount;
22. to transfer the excess liquidation proceeds on deposit in such collection account to the certificate administrator for deposit in the excess liquidation proceeds account in accordance with the Pooling and Servicing Agreement;
23. to pay CREFC® any accrued and unpaid CREFC® Intellectual Property Royalty License Fee;
24. to withdraw amounts deposited in the collection account in error, including amounts received on any underlying mortgage loan or REO Property that has been purchased or otherwise removed from the issuing entity;
25. to pay any other items described in this information circular as being payable from a collection account; and
26. to clear and terminate the collection account upon the termination of the Pooling and Servicing Agreement.

The master servicer will be required to keep and maintain separate accounting records, on a loan by loan and property by property basis, for the purpose of justifying any withdrawal from the collection account. The master servicer will be required to pay CREFC® the CREFC® Intellectual Property Royalty License Fee on a monthly basis, solely from funds on deposit in the collection account, to the extent sufficient funds are on deposit in the collection account. Upon receipt of a request from CREFC®, the master servicer will provide CREFC® with a report that shows the calculation of the CREFC® Intellectual Property Royalty License Fee for the period requested by CREFC®. The CREFC® Intellectual Property Royalty License Fee Rate is a component of the “Administration Fee Rate” set forth on Exhibit A-1. Such fee will be calculated on the same basis as interest on the applicable underlying mortgage loan and will generally be payable to CREFC® monthly from collections on the underlying mortgage loans.

## **Realization Upon Mortgage Loans**

*Purchase Option.* With respect to any underlying mortgage loan other than the Non-Serviced Loan, the Pooling and Servicing Agreement grants the directing certificateholder (subject to the last paragraph of this section “—Purchase Option”), Freddie Mac and, with respect to Defaulted Loans for which there exists a related Junior Loan Holder, the related Junior Loan Holder, an assignable option (a “Purchase Option”) to purchase Defaulted Loans from the issuing entity in the manner and at the price described below; *provided* that, as described in this section “—Realization Upon Mortgage Loans—Purchase Option,” if such Junior Loan Holder elects not to exercise its Purchase Option, then the holder of the next most subordinate Junior Loan (if any) will be entitled to exercise such Purchase Option.

Each of the directing certificateholder, Freddie Mac and the related Junior Loan Holder may assign its Purchase Option to any person.

Promptly after the determination that an underlying mortgage loan (other than the Non-Serviced Loan) has become a Defaulted Loan, the master servicer (if the underlying mortgage loan is not a Specially Serviced Mortgage Loan) or the special servicer (if the underlying mortgage loan is a Specially Serviced Mortgage Loan) will be required to notify the trustee, the certificate administrator, the master servicer or the special servicer, as applicable, Freddie Mac, any related Junior Loan Holder and the directing certificateholder of such determination. Subject to (i) the right of the related Junior Loan Holder with respect to a Defaulted First Lien Loan, (ii) Freddie Mac’s right to offer an increased purchase price, as described below, (iii) the bidding procedures for Defaulted Crossed Loans and (iv) the last paragraph of this section “—Purchase Option” in the case of any Affiliated Borrower Loan, the directing certificateholder will then have the right to exercise its Purchase Option at a cash price equal to the Option Price until such right automatically terminates (a) upon the Defaulted Loan becoming a Corrected Mortgage Loan or an REO Loan, (b) upon the modification, waiver or payoff (full, partial or discounted) of the Defaulted Loan in connection with a workout, (c) upon purchase of the Defaulted Loan by Freddie Mac pursuant to the Pooling and Servicing Agreement or (d) with respect to a Defaulted First Lien Loan, upon purchase of such Defaulted First Lien Loan by the Junior Loan Holder pursuant to the Pooling and Servicing Agreement and the related intercreditor agreement.

Subject to the next paragraph in the case of a Defaulted Loan that is a Defaulted First Lien Loan, subject to the second following paragraph in the case of a Defaulted Loan that has a related Non-Serviced Companion Loan, subject to the third following paragraph in the case of a Defaulted Crossed Loan and subject to the last paragraph of this section “—Purchase Option” in the case of any Affiliated Borrower Loan, within ten Business Days (the “Freddie Mac Increased Offer Notice Period”) after receipt from the directing certificateholder of its notice (the “Fair Value Purchase Notice”) that it will exercise its option to purchase a Defaulted Loan (other than the Non-Serviced Loan) and which specifies a purchase price that equals at least the Fair Value of the Defaulted Loan (the “Defaulted Loan Fair Value Purchase Price”) but is less than 99% of the Purchase Price of such Defaulted Loan, Freddie Mac will have the right to purchase such Defaulted Loan by giving notice (the “Freddie Mac Increased Offer Notice”) to the directing certificateholder, the master servicer, the special servicer, the certificate administrator and the trustee, specifying a purchase price at least 2.5% more than the Defaulted Loan Fair Value Purchase Price offered by the directing certificateholder in the Fair Value Purchase Notice. If the directing certificateholder is willing to purchase the Defaulted Loan after receipt of the Freddie Mac Increased Offer Notice, it will only be permitted to do so at a purchase price equal to the lesser of (i) at least 2.5% more than the purchase price specified by Freddie Mac in the Freddie Mac Increased Offer Notice or (ii) 99% of the Purchase Price, by giving notice of the

same to Freddie Mac, the master servicer, the special servicer, the certificate administrator and the trustee within ten Business Days of receiving the Freddie Mac Increased Offer Notice (the “Directing Certificateholder Increased Offer Notice Period”). Any person exercising the Purchase Option described in this paragraph will be required to consummate such purchase within 15 Business Days after the expiration of the Freddie Mac Increased Offer Notice Period or the Directing Certificateholder Increased Offer Notice Period, as applicable.

However, subject to the second following paragraph in the case of a Defaulted Loan that is a Defaulted Crossed Loan, for any Defaulted Loan (other than the Non-Serviced Loan) for which the related Junior Loan Holder is the holder of a subordinate priority lien on the related mortgaged real property (a “Defaulted First Lien Loan”), such Junior Loan Holder will have the first option to purchase, in whole but not in part, such Defaulted First Lien Loan from the issuing entity at the Purchase Price; *provided, however*, that upon the determination of Fair Value and receipt of the Fair Value Notice relating to any Defaulted First Lien Loan, each of the related Junior Loan Holder and the directing certificateholder (other than with respect to any Affiliated Borrower Loan) will have the right to purchase such Defaulted First Lien Loan at the Defaulted Loan Fair Value Purchase Price by giving notice to the directing certificateholder (in the case of the Junior Loan Holder), the Junior Loan Holder (in the case of the directing certificateholder), the trustee, the certificate administrator, the master servicer and the special servicer (the first party to give such notice, the “First Offeror”). Within ten Business Days after receipt from the First Offeror of notice of its intent to exercise the Purchase Option (the “Initial Offer Notice Period”), the related Junior Loan Holder or the directing certificateholder, as the case may be, will have the right to purchase such Defaulted First Lien Loan by giving notice (the “Increased Offer Notice”) to the First Offeror, the trustee, the certificate administrator, the master servicer and the special servicer, specifying a purchase price of at least 2.5% more than the purchase price specified by the First Offeror in the initial purchase option notice. If the First Offeror is willing to purchase the Defaulted First Lien Loan after receipt of the Increased Offer Notice, it will only be permitted to do so at the Purchase Price by giving notice of the same to the directing certificateholder (in the case of the Junior Loan Holder), the Junior Loan Holder (in the case of the directing certificateholder), the trustee, the certificate administrator, the master servicer and the special servicer within five Business Days after receiving the Increased Offer Notice (“Par Purchase Notice Period”). Any purchase will be required to be consummated no later than 15 Business Days after the expiration of the Initial Offer Notice Period or Par Purchase Notice Period, as applicable. In addition, if there are multiple holders of Junior Loans then the Junior Loan Holder entitled to exercise an option to purchase any Defaulted First Lien Loan pursuant to any related intercreditor agreement or any related pooling and servicing agreement will have the first option to purchase, in whole but not in part, such Defaulted First Lien Loan; provided that if any such Junior Loan Holder elects not to exercise its purchase option, then the holder of the next most subordinate Junior Loan (if any) will be entitled to exercise such option.

Notwithstanding the three preceding paragraphs, and subject to the last paragraph of this section “—Purchase Option” in the case of any Affiliated Borrower Loan, if the Non-Serviced Loan becomes a Defaulted Loan or Defaulted First Lien Loan, the directing certificateholder, the Non-Serviced Companion Loan Directing Holder, Freddie Mac and the Junior Loan Holder each has the right, in the manner and to the extent set forth in this paragraph, to purchase such Defaulted Loan or Defaulted First Lien Loan from the issuing entity and the Non-Serviced Companion Loan from the Non-Serviced Companion Loan Holder. If the Non-Serviced Loan becomes a Defaulted Loan and the Non-Serviced Companion Loan becomes a defaulted loan under the Non-Serviced Companion Loan PSA, (a)(i) from the date such underlying mortgage loan becomes a Defaulted Loan until the date that is 90 days after such underlying mortgage loan becomes a Defaulted Loan and (ii) on and after the date that is 181 days after such underlying mortgage loan becomes a Defaulted Loan, the Non-Serviced Companion Loan Directing Holder, and (b) from the date that is 91 days after such underlying mortgage loan becomes a Defaulted Loan until the date that is 180 days after such underlying mortgage loan becomes a Defaulted Loan, the directing certificateholder, may each elect to purchase (but will not be required to consummate such purchase within such specific time period) such Defaulted Loan and the Non-Serviced Companion Loan for a price equal to the Purchase Price. However, if such Defaulted Loan is a Defaulted First Lien Loan, the Junior Loan Holder will have the first option to purchase such Defaulted First Lien Loan and the Non-Serviced Companion Loan from the date such underlying mortgage loan becomes a Defaulted First Lien Loan until its receipt of the Fair Value Notice, for a price equal to the Purchase Price. In addition, after the special servicer has determined the Fair Value of the Defaulted Loan and the Non-Serviced Companion Loan, each of the directing certificateholder, the Non-Serviced Companion Loan Directing Holder, and, if such Defaulted Loan is a Defaulted First Lien Loan, the Junior Loan Holder, may submit a bid to the master servicer, the special servicer, the trustee, the certificate administrator and Freddie Mac to purchase such Defaulted Loan and the Non-Serviced Companion Loan for a price that is at least equal to the Fair

Value of such Defaulted Loan and the Non-Serviced Companion Loan by providing notice to the directing certificateholder, the Non-Serviced Companion Loan Directing Holder and the Junior Loan Holder, as applicable, each of which will have 15 Business Days after receipt thereof to submit a competing bid to the master servicer, the special servicer, the trustee, the certificate administrator and Freddie Mac. If the highest bids are for an equal price, the highest bidders may each submit an additional bid within 5 Business Days, which bidding process will continue until one bid exceeds the others. Upon the completion of such bidding process, the special servicer will notify the master servicer, the trustee, the certificate administrator, the directing certificateholder, the Non-Serviced Companion Loan Directing Holder and any Junior Loan Holder of the winner (the “First Bid Winner”) and the proposed purchase price. If such proposed purchase price is less than 99% of the Purchase Price, Freddie Mac may submit a bid within 10 Business Days to the master servicer, the special servicer, the trustee, the certificate administrator, the directing certificateholder, the Non-Serviced Companion Loan Directing Holder and any Junior Loan Holder to purchase such Defaulted Loan and the Non-Serviced Companion Loan at a price that is at least 2.5% more than the purchase price offered by the First Bid Winner. If Freddie Mac does not submit such a bid, the First Bid Winner may purchase the Defaulted Loan and the Non-Serviced Companion Loan at the purchase price set forth in its bid. If Freddie Mac submits such a bid, each of the directing certificateholder, the Non-Serviced Companion Loan Directing Holder and, if such Defaulted Loan is a Defaulted First Lien Loan, the Junior Loan Holder, may, within 10 Business Days, submit a bid greater than Freddie Mac’s bid to the master servicer, the special servicer, the trustee, the certificate administrator and Freddie Mac. If the highest bids are for an equal price, the highest bidders may each submit an additional bid within 5 Business Days, which bidding process will continue until one bid exceeds the others; *provided, however*, that if the First Bid Winner’s bid is tied for the highest price, the First Bid Winner’s bid will be considered the highest bid. The bidder that offers the highest such bid may purchase such Defaulted Loan and the Non-Serviced Companion Loan at the price set forth in such bid. The winning bidder as described in this paragraph will be required to purchase the Defaulted Loan and the Non-Serviced Companion Loan within 90 days of the completion of the bidding process. Freddie Mac may assign its option to bid on a Defaulted Loan and the Non-Serviced Companion Loan under this paragraph.

If an underlying mortgage loan that is in a Crossed Loan Group becomes both a Defaulted Loan and a Servicing Transferred Crossed Loan (a “Defaulted Crossed Loan”) and is subject to the purchase option of the directing certificateholder or any related Junior Loan Holder, all other underlying mortgage loans in such Crossed Loan Group will be deemed to be subject to the purchase option of the directing certificateholder or any related Junior Loan Holder, as applicable (*provided*, that the underlying mortgage loans in the related Crossed Loan Group that are not Defaulted Crossed Loans will not be deemed to be a “Specially Serviced Mortgage Loan” or a “Defaulted Loan” for any other purpose under the Pooling and Servicing Agreement other than this Defaulted Crossed Loan purchase option), and the directing certificateholder and any Junior Loan Holder will be required to follow the following bidding procedures:

- (i) Before the special servicer determines the Fair Value of the Defaulted Crossed Loan and all other underlying mortgage loans in the related Crossed Loan Group, the Junior Loan Holder will have the first option to purchase, by giving written notice to the special servicer, the trustee, the certificate administrator, the master servicer, Freddie Mac and the directing certificateholder, (1) the Defaulted Crossed Loan and all other underlying mortgage loans in such Crossed Loan Group at the aggregate of their Purchase Prices or (2) with the consent of the Approved Directing Certificateholder (if any), only the Defaulted Crossed Loan at the Purchase Price, which consent will be deemed given by such Approved Directing Certificateholder if the Junior Loan Holder does not receive a response from such Approved Directing Certificateholder within five Business Days. If any such Junior Loan Holder elects not to exercise such option, then the holder of the next most subordinate Junior Loan (if any) will be entitled to exercise such right.
- (ii) After the special servicer determines the Fair Value of the Defaulted Crossed Loan and all other underlying mortgage loans in the related Crossed Loan Group, the directing certificateholder and the Junior Loan Holder may each offer to purchase, by giving written notice to the special servicer, the trustee, the certificate administrator, the master servicer, Freddie Mac and the Junior Loan Holder or the directing certificateholder, as applicable, the Defaulted Crossed Loan and all other underlying mortgage loans in such Crossed Loan Group at a price at least equal to the Fair Value of the Defaulted Crossed Loan and all other underlying mortgage loans in such Crossed Loan Group. Any subsequent offeror must outbid the prior offeror by 2.5% or more of the outstanding offer, or offer to purchase the Defaulted Crossed Loan and all other underlying mortgage loans in such Crossed Loan Group at the aggregate of their Purchase Prices. Bidding between the directing certificateholder and the Junior Loan Holder will continue in the same

manner as described in the preceding paragraph until the highest price is achieved for the Defaulted Crossed Loan and all other underlying mortgage loans in such Crossed Loan Group; *provided, however*, that if the Defaulted Loan Fair Value Purchase Price is less than 99% of the aggregate of their Purchase Prices for such Defaulted Crossed Loan and all other underlying mortgage loans in such Crossed Loan Group, Freddie Mac will also have the right to purchase the Defaulted Crossed Loan and all other underlying mortgage loans in such Crossed Loan Group in the manner described in the second preceding paragraph; *provided, further, however*, that (a) if the Junior Loan Holder offers to purchase the Defaulted Crossed Loan and all other underlying mortgage loans in such Crossed Loan Group at the aggregate of their Purchase Prices, the directing certificateholder will have a right of first refusal to purchase the Defaulted Crossed Loan and all other underlying mortgage loans in such Crossed Loan Group at the same price and (b) if no holder of a Junior Loan provides notice of its intent to exercise its purchase rights provided in this clause (ii) within 15 Business Days after the determination of Fair Value, then the directing certificateholder may exercise its purchase rights under clause (iii) below. If any such Junior Loan Holder elects not to exercise such option, then the holder of the next most subordinate Junior Loan (if any) will be entitled to exercise such right. Notwithstanding the foregoing, no holder of a Junior Loan may exercise its purchase rights provided in this clause (ii) unless it has provided notice of its intent to do so within 15 Business Days of the determination of Fair Value.

- (iii) If there is no holder of a Junior Loan or no holder of a Junior Loan exercises its purchase rights under clauses (i) or (ii) above, after the special servicer determines the Fair Value of the Defaulted Crossed Loan and all other underlying mortgage loans in the related Crossed Loan Group, the directing certificateholder may offer to purchase, by giving written notice to the special servicer, the trustee, the certificate administrator, the master servicer, Freddie Mac and any Junior Loan Holder, the Defaulted Crossed Loan at the Purchase Price.
- (iv) Despite the provisions described in clauses (i), (ii) and (iii) above, if the directing certificateholder or any Junior Loan Holder, or any of their respective managing members or affiliates, is a borrower or an affiliate of a borrower of the Defaulted Crossed Loan or any other underlying mortgage loan in such Crossed Loan Group, such directing certificateholder or Junior Loan Holder will only be permitted to purchase the Defaulted Crossed Loan and all other underlying mortgage loans in the related Crossed Loan Group at the aggregate of their Purchase Prices (and will not be permitted to purchase only the Defaulted Crossed Loan).

A Defaulted Crossed Loan may be purchased while any other underlying mortgage loans in the related Crossed Loan Group remain in the issuing entity only if (i) the special servicer modifies, upon such purchase, the related loan documents in such a manner that the Defaulted Crossed Loan to be purchased, on the one hand, and any underlying mortgage loans in such Crossed Loan Group that remain in the issuing entity, on the other, would no longer be cross-collateralized or cross-defaulted with one another, but in the event that more than one underlying mortgage loan in such Crossed Loan Group remains in the issuing entity, all other underlying mortgage loans in such Crossed Loan Group that remain in the issuing entity will continue to be cross-collateralized and cross-defaulted with one another and (ii) the purchaser of such Defaulted Crossed Loan will have furnished each of the trustee, the certificate administrator, the master servicer and the special servicer, at such purchaser's expense, with an opinion of counsel that such modification will not cause an Adverse REMIC Event. Notwithstanding the terms of the cross-collateralization agreement, no release premium will be payable by the directing certificateholder or the Junior Loan Holder in connection with any such purchase of only the Defaulted Crossed Loan. Any expense incurred by the special servicer in connection with the modification of the cross-collateralization or cross-default provisions in any loan documents in connection with the purchase by the directing certificateholder or the Junior Loan Holder of a Defaulted Loan from the issuing entity will be paid, if at all, by the related borrower pursuant to, or if not prohibited by, the loan documents, and in no event shall any such expense so incurred be considered a Servicing Advance or Additional Issuing Entity Expense.

Within 60 days after an underlying mortgage loan (other than the Non-Serviced Loan) becomes a Defaulted Loan (which 60-day period may be extended one time for an additional 15 days by the special servicer if the special servicer has given notice prior to the end of such 60-day period that it has not received the information it reasonably requires to make its Fair Value determination), the special servicer will be required to determine the Fair Value of such underlying mortgage loan in accordance with the Servicing Standard and consistent with the guidelines contained in the Pooling and Servicing Agreement. In accordance with the Servicing Standard, the special servicer will be required to change from time to time thereafter (but before the entry into a binding agreement on behalf of

the issuing entity for the consummation of any related purchase) its determination of the Fair Value of a Defaulted Loan if the special servicer obtains knowledge of changed circumstances, new information or otherwise. All reasonable costs and expenses of the special servicer in connection with the determination of the Fair Value of a Defaulted Loan will be paid by the master servicer and be reimbursable as Servicing Advances. The special servicer must give prompt notice (the “Fair Value Notice”) of its Fair Value determination and any subsequent change to such determination of Fair Value to the trustee, the certificate administrator, the master servicer, Freddie Mac, any related Junior Loan Holder and the directing certificateholder. If, after receiving the Fair Value Notice, and subject to the last paragraph of this section “—Purchase Option,” the directing certificateholder or its assignee elects to purchase such Defaulted Loan from the issuing entity at the Defaulted Loan Fair Value Purchase Price, such party must notify the special servicer, the trustee, the certificate administrator, the master servicer and Freddie Mac of such election and specify the Defaulted Loan Fair Value Purchase Price.

If the related Junior Loan Holder or the directing certificateholder, or an assignee of the Junior Loan Holder or the directing certificateholder (as identified to the certificate administrator), that proposes to purchase a Defaulted Loan or Defaulted First Lien Loan (other than the Non-Serviced Loan), as applicable, is an affiliate of the special servicer, the trustee will be required to determine, prior to the consummation of the related purchase, whether the special servicer’s determination of Fair Value for such Defaulted Loan constitutes a fair price in its reasonable judgment. In doing so, the trustee may conclusively rely on an opinion of an appraiser or other independent expert in real estate matters, in each case, appointed with due care and obtained at the expense of such affiliate of the special servicer proposing to purchase such Defaulted Loan or Defaulted First Lien Loan, as applicable. The trustee, in making a Fair Value determination in accordance with the second preceding sentence, will be entitled to receive from the special servicer all information in the special servicer’s possession relevant to making such determination and will be further entitled to a \$1,500 fee payable by the issuing entity in connection with each such Fair Value determination. All reasonable costs and expenses of the trustee in connection with the determination of the Fair Value of a Defaulted Loan or a Defaulted First Lien Loan (other than the Non-Serviced Loan) will be paid by the master servicer and be reimbursable as Servicing Advances.

Subject to the discussion above and the last paragraph of this section “—Purchase Option,” each holder of a Purchase Option may, at its option, purchase a Defaulted Loan from the issuing entity or the Non-Serviced Companion Loan from the Non-Serviced Companion Loan Holder, as applicable, at a price (the “Option Price”) equal to—

- if the special servicer has not yet determined the Fair Value of that Defaulted Loan (or the Non-Serviced Companion Loan Special Servicer has not yet determined the Fair Value of the Non-Serviced Loan and the Non-Serviced Companion Loan), the Purchase Price; or
- if the special servicer has made such Fair Value determination for such Defaulted Loan (or the Non-Serviced Companion Loan Special Servicer has made such Fair Value determination for the Non-Serviced Loan and the Non-Serviced Companion Loan), at least the Defaulted Loan Fair Value Purchase Price for such Defaulted Loan and the Non-Serviced Companion Loan.

If the most recent Fair Value calculation was made more than 90 days prior to the exercise date of a Purchase Option, then the special servicer (except with respect to the Non-Serviced Loan) must confirm or revise the Fair Value determination, and the Option Price at which the Defaulted Loan may be purchased will be modified accordingly.

Unless and until the Purchase Option with respect to a Defaulted Loan (other than the Non-Serviced Loan) is exercised, the special servicer will be required to pursue such other resolution strategies available under the Pooling and Servicing Agreement, including workout and foreclosure, consistent with the Servicing Standard, but it will not be permitted to sell the Defaulted Loan other than pursuant to the exercise of the Purchase Option or in accordance with any applicable intercreditor or co-lender agreement.

If not exercised sooner, the Purchase Option with respect to any Defaulted Loan and the Non-Serviced Companion Loan will automatically terminate upon—

- the cure by the related borrower or a party with cure rights of all defaults that caused such underlying mortgage loan to be a Defaulted Loan;

- the acquisition on behalf of the issuing entity of title to the related mortgaged real property by foreclosure or deed-in-lieu of foreclosure; or
- the modification, waiver or payoff (full, partial or discounted) of the Defaulted Loan in connection with a workout.

However, the directing certificateholder (or its assignee) or the Non-Serviced Companion Loan Directing Holder (or its assignee) will only be able to purchase an Affiliated Borrower Loan from the issuing entity and any related Non-Serviced Companion Loan from the Non-Serviced Companion Loan Holder, as applicable, at a cash price equal to the Purchase Price.

*Foreclosure and Similar Proceedings.* Pursuant to the Pooling and Servicing Agreement, if an event of default on an underlying mortgage loan (other than the Non-Serviced Loan) has occurred and is continuing, the special servicer, on behalf of the issuing entity, may at any time institute foreclosure proceedings, exercise any power of sale contained in the related mortgage or otherwise acquire title to the related mortgaged real property. The special servicer may not, however, acquire title to any mortgaged real property or take any other action with respect to any mortgaged real property that would cause the trustee, for the benefit of the certificateholders or any other specified person to be considered to hold title to, to be a “mortgagee-in-possession” of or to be an “owner” or an “operator” of such mortgaged real property within the meaning of certain federal environmental laws, unless the special servicer has previously received a report prepared by a person who regularly conducts environmental audits (the cost of which report will be a Servicing Advance) and either—

- such report indicates that (i) the mortgaged real property is in compliance with applicable environmental laws and regulations and (ii) there are no circumstances or conditions present at the mortgaged real property for which investigation, testing, monitoring, containment, clean-up or remediation could be required under any applicable environmental laws and regulations; or
- the special servicer, based solely (as to environmental matters and related costs) on the information set forth in such report, determines that taking such actions as are necessary to bring the mortgaged real property into compliance with applicable environmental laws and regulations and/or taking the actions contemplated by clause (ii) of the preceding bullet point, is reasonably likely to increase the net proceeds of the liquidation of such mortgaged real property, than not taking such actions.

A borrower’s failure to make required mortgage loan payments may mean that operating income from the mortgaged real property is insufficient to service the mortgage debt, or may reflect the diversion of that income from the servicing of the mortgage debt. In addition, a borrower that is unable to make mortgage loan payments may also be unable to make timely payments of taxes or otherwise to maintain and insure the mortgaged real property. In general, the special servicer will be required to monitor any Specially Serviced Mortgage Loan serviced by it, evaluate whether the causes of the default can be corrected over a reasonable period without significant impairment of the value of the mortgaged real property, initiate corrective action in cooperation with the borrower if cure is likely, inspect the mortgaged real property and take such other actions as it deems necessary and appropriate. A significant period of time may elapse before the special servicer is able to assess the success of any such corrective action or the need for additional initiatives. The time within which the special servicer can make the initial determination of appropriate action, evaluate the success of corrective action, develop additional initiatives, institute foreclosure proceedings and actually foreclose, or accept a deed to a mortgaged real property in lieu of foreclosure, on behalf of the certificateholders may vary considerably depending on the particular circumstances with respect to the related underlying mortgage loan, the mortgaged real property, the borrower, the presence of an acceptable party to assume the underlying mortgage loan and the laws of the jurisdiction in which the mortgaged real property is located. If a borrower files a bankruptcy petition, the special servicer may not be permitted to accelerate the maturity of the Defaulted Loan or to foreclose on the related mortgaged real property for a considerable period of time and may be required by the court to materially extend the term of the underlying mortgage loan paid to the final maturity date, lower significantly the related interest rate and/or reduce the principal balance of the underlying mortgage loan.

*REO Properties.* If title to any mortgaged real property is acquired by the special servicer on behalf of the issuing entity, the special servicer will be required to sell that mortgaged real property as soon as practicable, but not later than the end of the third calendar year following the year of acquisition, unless—

- the IRS grants an extension of time to sell the property;
- an extension of time to sell the property has been timely requested from the IRS and (i) the IRS has not denied such request (in which event the property is required to be sold by the end of the extended time period requested, but not more than three additional years), or (ii) if the IRS denies such request (in which event, the property is required to be sold within 30 days after the date of such denial); or
- the special servicer obtains an opinion of independent counsel generally to the effect that the holding of the property subsequent to the end of the third calendar year following the year in which the acquisition occurred will not result in the imposition of a tax on the assets of the issuing entity or cause either Trust REMIC created under the Pooling and Servicing Agreement to fail to qualify as a REMIC under the Code.

The special servicer will be required to use reasonable efforts to solicit cash offers for any REO Property (other than the Non-Serviced REO Property) held by the issuing entity in a manner that will be reasonably likely to realize a fair price for the property within the time periods contemplated by the prior paragraph. Such solicitation will be required to be made in a commercially reasonable manner. The special servicer will be required to accept the highest cash offer received from any entity for such REO Property in an amount at least equal to the Purchase Price for such REO Property. In the absence of any such offer, the special servicer will be required to accept the highest cash offer received from any entity that is determined by the special servicer to be a fair price for such REO Property and whose offer the special servicer reasonably determines is likely to lead to an actual sale and is in compliance with applicable law. If the special servicer reasonably believes that it will be unable to realize a fair price for such REO Property within the time constraints imposed by the prior paragraph, then the special servicer will be required to dispose of such REO Property upon such terms and conditions as the special servicer deems necessary and desirable to maximize the recovery on such REO Property under the circumstances, and will be required to accept the highest outstanding cash offer from any entity that is determined by the special servicer to be a fair price for such REO Property and whose offer the special servicer reasonably determines is likely to lead to an actual sale and is in compliance with applicable law. If the special servicer determines that the offers being made with respect to such REO Property are not in the best interest of the certificateholders as a collective whole, and that the end of the period referred to in the prior paragraph with respect to such REO Property is approaching, the special servicer will be required to seek an extension of such period in the manner described in the prior paragraph.

Whether any cash offer constitutes a fair price for any REO Property (other than the Non-Serviced REO Property) will be determined by the special servicer, if the highest offeror is a person other than the special servicer or an affiliate of the special servicer, and by the trustee, if the highest offeror is the special servicer or an affiliate of the special servicer. In determining whether any offer received from the special servicer or an affiliate of the special servicer represents a fair price for any REO Property (other than the Non-Serviced REO Property), the trustee will be required to obtain, and may conclusively rely on, the opinion of an appraiser (the fees and costs of which will be required to be covered by a servicing advance by the master servicer) retained by the trustee. In determining whether any offer constitutes a fair price for any REO Property (other than the Non-Serviced REO Property), the trustee will be required to request that such appraiser take into account, as applicable, among other factors, the occupancy level and physical condition of such REO Property, the state of the local economy and the obligation to dispose of such REO Property within the time period specified in the second preceding paragraph. The Purchase Price for any REO Property will in all cases be deemed a fair price.

The special servicer, at the expense of the issuing entity, will be required to retain an independent contractor to operate and manage any REO Property (other than the Non-Serviced REO Property) within 90 days of its acquisition. The retention of an independent contractor will not relieve the special servicer of its obligations with respect to any REO Property.

In general, the special servicer or an independent contractor employed by the special servicer will be obligated to operate and manage any REO Property (other than the Non-Serviced REO Property) held by the issuing entity solely for the purpose of its prompt disposition and sale, in a manner that maintains its status as “foreclosure property” within the meaning of Code Section 860G(a)(8).

Subject to the Servicing Standard and any other limitations imposed by the Pooling and Servicing Agreement, the special servicer will be permitted, with respect to any REO Property, to incur a tax on net income from foreclosure property, within the meaning of Code Section 857(b)(4)(B).

To the extent that income the issuing entity receives from an REO Property is subject to a tax on net income from foreclosure property, that income would be subject to U.S. federal tax at the corporate tax rate, which currently is 21%.

The determination as to whether income from an REO Property held by the issuing entity would be subject to a tax will depend on the specific facts and circumstances relating to the management and operation of each REO Property. Any tax imposed on the issuing entity's income from an REO Property would reduce the amount available for payment to the certificateholders. See "Certain Federal Income Tax Consequences" in this information circular. The reasonable out-of-pocket costs and expenses of obtaining professional tax advice in connection with the foregoing will be payable out of the collection account.

*REO Account.* The special servicer will be required to segregate and hold all funds collected and received in connection with any REO Property (other than the Non-Serviced REO Property) held by the issuing entity separate and apart from its own funds and general assets. If an REO Property (other than the Non-Serviced REO Property) is acquired by the issuing entity, the special servicer will be required to establish and maintain an account for the retention of revenues and other proceeds derived from that REO Property. That REO account must be maintained in a manner and with a depository institution that meets the requirements of the Pooling and Servicing Agreement. The special servicer will be required to deposit, or cause to be deposited, in its REO account, within one Business Day following receipt, all net income, insurance proceeds, condemnation proceeds and Liquidation Proceeds with respect to each REO Property held by the issuing entity. The funds held in this REO account may be held as cash or invested in Permitted Investments. Any interest or other income earned on funds in the special servicer's REO account will be payable to the special servicer, subject to the limitations described in the Pooling and Servicing Agreement. See "—Servicing and Other Compensation and Payment of Expenses—Additional Servicing Compensation" above.

The special servicer will be permitted to withdraw from its REO account funds necessary for the proper operation, management, leasing, maintenance and disposition of any REO Property administered by it, but only to the extent of amounts on deposit in the account relating to that particular REO Property. Promptly following the end of each Collection Period, the special servicer will be required to withdraw from its REO account and deposit, or deliver to the master servicer for deposit, into the collection account the total of all amounts received in respect of each REO Property administered by it during that Collection Period, net of:

- any withdrawals made out of those amounts, as described in the preceding sentence; and
- any portion of those amounts that may be retained as reserves, as described in the next paragraph.

The special servicer may, subject to the limitations described in the Pooling and Servicing Agreement, retain in its REO account in accordance with the Servicing Standard such portion of the proceeds and collections on any REO Property administered by it as may be necessary to maintain a reserve of sufficient funds for the proper operation, management, leasing, maintenance and disposition of that property, including the creation of a reasonable reserve for repairs, replacements, necessary capital improvements and other related expenses.

The special servicer will be required to keep and maintain separate records, on a loan-by-loan and a property-by-property basis, for the purpose of accounting for all deposits to, and withdrawals from, its REO account.

*Liquidation Proceeds.* To the extent that Liquidation Proceeds collected with respect to any underlying mortgage loan are less than the sum of—

- the outstanding principal balance of that underlying mortgage loan,
- interest (other than Default Interest) accrued on that underlying mortgage loan,
- interest accrued on any P&I Advance made with respect to that underlying mortgage loan,

- the aggregate amount of outstanding reimbursable expenses (including any unreimbursed Servicing Advances and unpaid and accrued interest on such advances) incurred with respect to that underlying mortgage loan, and
- any and all servicing compensation, trustee fees, certificate administrator fees and CREFC® Intellectual Property Royalty License Fees due and payable with respect to that underlying mortgage loan,

then the issuing entity will realize a loss in the amount of such shortfall allocated to an underlying mortgage loan (although such shortfalls with respect to the offered certificates will be covered under the Freddie Mac Guarantee).

The trustee, the certificate administrator, the master servicer, the special servicer and/or CREFC® will be entitled to reimbursement out of the Liquidation Proceeds recovered on an underlying mortgage loan, prior to the distribution of such Liquidation Proceeds to certificateholders, of any and all amounts that represent unpaid servicing compensation, certificate administrator fees, trustee fees or CREFC® Intellectual Property Royalty License Fees in respect of that underlying mortgage loan, certain unreimbursed expenses incurred with respect to that underlying mortgage loan and any unreimbursed advances made with respect to that underlying mortgage loan. In addition, amounts otherwise distributable on the certificates will be further reduced by interest payable to the master servicer or the trustee, as applicable, on any such advances.

With respect to the Non-Serviced Loan, any losses on the Non-Serviced Whole Loan will be calculated in accordance with the Non-Serviced Companion Loan PSA and the Co-Lender Agreement as if it were a single whole loan, and will be allocated to the Non-Serviced Loan and the Non-Serviced Companion Loan on a *pro rata* and *pari passu* basis.

If any mortgaged real property suffers damage such that the proceeds, if any, of the related property damage insurance policies or flood insurance are insufficient to restore fully the damaged property, the master servicer will not be required to make Servicing Advances to effect such restoration unless—

- the special servicer determines that such restoration will increase the proceeds to the certificateholders as a collective whole on liquidation of the underlying mortgage loan after reimbursement of the master servicer for its expenses and the special servicer receives the consent of the Approved Directing Certificateholder (if any); and
- the master servicer determines that such expenses will be recoverable by it from related Liquidation Proceeds.

*Specially Serviced Mortgage Loans.* With respect to any underlying mortgage loan (other than the Non-Serviced Loan) as to which a Servicing Transfer Event has occurred, the master servicer will transfer its servicing responsibilities to the special servicer, but will continue to receive payments on such underlying mortgage loan (including amounts collected by the special servicer), to make certain calculations with respect to such underlying mortgage loan and to make remittances and prepare and deliver certain reports to the certificate administrator with respect to such underlying mortgage loan.

The special servicer will continue to be responsible for the operation and management of an REO Property (other than the Non-Serviced REO Property). The master servicer will have no responsibility for the performance by the special servicer of its duties under the Pooling and Servicing Agreement.

The special servicer will return the full servicing of a Specially Serviced Mortgage Loan to the master servicer when all Servicing Transfer Events with respect to that underlying mortgage loan have ceased to exist and that underlying mortgage loan has become a Corrected Mortgage Loan.

*Directing Certificateholder.* The “directing certificateholder” will be the Controlling Class Majority Holder (or its designee), as further discussed below; *provided* that if the class AS certificates are the Controlling Class, Freddie Mac, as the holder of the class AS certificates, or its designee will act as the directing certificateholder and be deemed an Approved Directing Certificateholder. For the avoidance of doubt, all references to the “directing certificateholder” in this information circular will be deemed to include the Approved Directing Certificateholder (if any).

A directing certificateholder that is not an Approved Directing Certificateholder will retain the Controlling Class Majority Holder Rights discussed below but will not have any other rights of an Approved Directing Certificateholder or be entitled to any fees otherwise payable to the Approved Directing Certificateholder under the Pooling and Servicing Agreement.

The “Controlling Class Majority Holder” will be either (i) the holder (or a designee acting on its behalf) of the majority of the percentage interests in the Controlling Class or (ii) if no single holder owns the majority of the percentage interests in the Controlling Class, the designee appointed by the holders of a majority of the percentage interests in the Controlling Class acting on behalf of such holders, in each case solely to the extent that such person is identified in writing to the trustee, the certificate administrator, the master servicer and the special servicer along with contact information.

“Controlling Class” means, as of the Closing Date, the class CS certificates, until the outstanding principal balance of such class is less than 2.25% of the aggregate of the outstanding principal balances of the class AS and CS certificates; and thereafter, the class AS certificates. However, if the class CS certificates are the only class of certificates with an outstanding principal balance, the class CS certificates will be the Controlling Class.

Any directing certificateholder that is not an Approved Directing Certificateholder will have only the following limited rights, in each case to the extent described in this information circular (the “Controlling Class Majority Holder Rights”):

- the right to remove and replace the special servicer;
- the right to exercise the directing certificateholder’s option to purchase any Defaulted Loan and Defaulted Crossed Loans (together with any underlying mortgage loans in the related Crossed Loan Group, as applicable) from the issuing entity and, in the case of the Non-Serviced Loan, purchase the Non-Serviced Companion Loan from the Non-Serviced Companion Loan Holder; and
- the right to access certain information and receive certain notices under the Pooling and Servicing Agreement.

A directing certificateholder that is an Approved Directing Certificateholder may exercise all rights of a directing certificateholder and will be entitled to receive fees payable to the Approved Directing Certificateholder under the Pooling and Servicing Agreement.

The “Approved Directing Certificateholder” will be the Initial Directing Certificateholder (or any of its affiliates) for so long as either (i) the Initial Directing Certificateholder (or any of its affiliates) or (ii) the holder or holders that designated such Initial Directing Certificateholder as the directing certificateholder on the Closing Date, is the holder or are the holders, as applicable, of the majority of the percentage interests in the Controlling Class, and thereafter either (a) a directing certificateholder that either (1) has not been rejected by Freddie Mac as an Approved Directing Certificateholder during the Directing Certificateholder Approval Period as described in this information circular or (2) satisfies the Approved Directing Certificateholder Criteria and, in each case, delivers a notice with evidence of approval or pre-approval by Freddie Mac as described in this information circular, or (b) if the class AS certificates are the Controlling Class, Freddie Mac or its designee.

“Approved Directing Certificateholder Criteria” means, with respect to any person or entity, the criteria used by Freddie Mac to determine (in Freddie Mac’s reasonable discretion) if such person or entity has significant multifamily real estate experience, including, without limitation, whether such person or entity:

- (i) owns and/or has invested in at least \$250 million (in original principal amount) of multifamily real estate related mezzanine level or subordinate securities and/or multifamily real estate properties;
- (ii) has significant multifamily management expertise and experience; and/or
- (iii) has comparable multifamily real estate ownership, investment or management expertise and experience, each as determined in Freddie Mac’s reasonable discretion.

A finding that such person or entity meets the dollar value requirements of clause (i) above does not in itself bind Freddie Mac to a determination that such person or entity has significant multifamily real estate experience.

In order to exercise the rights of the Approved Directing Certificateholder, the directing certificateholder must be an Approved Directing Certificateholder. To initiate the process of becoming or designating an Approved Directing Certificateholder, the Controlling Class Majority Holder will be required to provide notice to Freddie Mac, the master servicer, the special servicer, the trustee and the certificate administrator indicating which certificates that such Controlling Class Majority Holder or the certificateholder(s) designating such Controlling Class Majority Holder, as applicable, has or have purchased. In addition, such Controlling Class Majority Holder will also be required to provide a notice in writing to Freddie Mac, the master servicer, the special servicer, the trustee and the certificate administrator that includes the name and contact information of the proposed directing certificateholder (delivery of which may be satisfied by delivery of a notice substantially in the form attached to the Pooling and Servicing Agreement (such notice, the “Directing Certificateholder Notice”). Within five Business Days of the date of receipt of such notice (such five-Business Day period, the “Directing Certificateholder Approval Period”), Freddie Mac may elect not to respond to such notice or may countersign and return the notice to the Controlling Class Majority Holder, indicating on such notice whether Freddie Mac has approved or rejected the proposed directing certificateholder as an Approved Directing Certificateholder, and may (in Freddie Mac’s sole discretion) also provide such notice to the master servicer, the special servicer, the trustee and the certificate administrator; *provided* that Freddie Mac may, within any Directing Certificateholder Approval Period, request additional information that Freddie Mac deems necessary to complete its review and render its final approval or rejection. Any request from Freddie Mac to the submitting Controlling Class Majority Holder for additional information will be deemed a rejection by Freddie Mac of the directing certificateholder as an Approved Directing Certificateholder and the Controlling Class Majority Holder will be required to resubmit (i) any additional information solely to Freddie Mac and (ii) the Directing Certificateholder Notice to Freddie Mac, the master servicer, the special servicer, the trustee and the certificate administrator to reinitiate the Directing Certificateholder Approval Period.

The proposed directing certificateholder will be deemed to be an Approved Directing Certificateholder during the Directing Certificateholder Approval Period, and the master servicer, the special servicer, the certificate administrator and the trustee will be entitled to conclusively treat such directing certificateholder as an Approved Directing Certificateholder until the earlier of (i) the time such parties receive notice from Freddie Mac or the Controlling Class Majority Holder that Freddie Mac has (a) rejected the proposed directing certificateholder as an Approved Directing Certificateholder or (b) requested any additional information necessary to render its final determination or (ii) the end of the Directing Certificateholder Approval Period.

If Freddie Mac (i) countersigns the Directing Certificateholder Notice approving the directing certificateholder as an Approved Directing Certificateholder or (ii) fails to respond to the Controlling Class Majority Holder, in each case, within the Directing Certificateholder Approval Period, the Controlling Class Majority Holder, in each case, will be required to provide written notice to the master servicer, the special servicer, the certificate administrator, the trustee and Freddie Mac including either (a) a copy of the approved Directing Certificateholder Notice countersigned by Freddie Mac or (b) a certification stating that Freddie Mac failed to respond and did not request any additional information within the Directing Certificateholder Approval Period (attaching the original Directing Certificateholder Notice), as applicable, and such directing certificateholder will be deemed to be an Approved Directing Certificateholder. Upon receipt of such notice, the master servicer, the special servicer, the certificate administrator and the trustee may conclusively rely thereon and treat the directing certificateholder as an Approved Directing Certificateholder. For the avoidance of doubt, following the Directing Certificateholder Approval Period, if the Controlling Class Majority Holder fails to provide the notice required by the second preceding sentence, the directing certificateholder will be deemed not to be an Approved Directing Certificateholder and will retain only the Controlling Class Majority Holder Rights; and the master servicer, the special servicer, the certificate administrator and the trustee will be entitled to conclusively treat such directing certificateholder as retaining only the Controlling Class Majority Holder Rights.

If Freddie Mac provides in the Directing Certificateholder Notice within the Directing Certificateholder Approval Period that the proposed directing certificateholder is not an Approved Directing Certificateholder, such directing certificateholder (including any Affiliated Borrower Loan Directing Certificateholder) will not be an Approved Directing Certificateholder, and the Controlling Class Majority Holder will be required to provide written notice to the master servicer, the special servicer, the certificate administrator and the trustee and each such party will be entitled to conclusively rely on such notice and treat such directing certificateholder as retaining only the Controlling Class Majority Holder Rights.

The rights of an Approved Directing Certificateholder (other than the Controlling Class Majority Holder Rights) will not be exercisable by any directing certificateholder (including any Affiliated Borrower Loan Directing Certificateholder) that is not an Approved Directing Certificateholder, and any provision of the Pooling and Servicing Agreement requiring the Approved Directing Certificateholder's consent or approval, or requiring notice or information to be sent to the Approved Directing Certificateholder, will not require consent or approval of, or require notice or information to be sent to, any directing certificateholder that is not an Approved Directing Certificateholder, unless such notice or information is required to be sent to the directing certificateholder. If there is no Approved Directing Certificateholder, the portion of any Transfer Fees payable to the Approved Directing Certificateholder will instead be payable to the master servicer.

If no person is appointed as the directing certificateholder pursuant to the Pooling and Servicing Agreement, the master servicer, the special servicer, the certificate administrator and the trustee will not be required to and will not recognize the Controlling Class Majority Holder or any other person as a directing certificateholder, and any provision of the Pooling and Servicing Agreement requiring notice or information to be sent to, or requiring the consent or approval of, the directing certificateholder will not be applicable.

The Controlling Class Majority Holder may obtain a pre-approval from Freddie Mac indicating that a proposed directing certificateholder qualifies as an Approved Directing Certificateholder (a "DCH Pre-Approval") in accordance with the approval provisions set forth above in this section "The Pooling and Servicing Agreement—Realization Upon Mortgage Loans—Directing Certificateholder."

Notwithstanding the foregoing, (i) for each Controlling Class Majority Holder, there can be no more than three requests for a DCH Pre-Approval made per calendar year and (ii) any Freddie Mac confirmed DCH Pre-Approval will expire and can no longer be presented with the notice delivered pursuant to the terms of the Pooling and Servicing Agreement upon the later of (a) six months after the date that Freddie Mac countersigns and delivers notice of such confirmed DCH Pre-Approval and (b) if Freddie Mac failed to respond or request additional information within the Directing Certificateholder Approval Period, six months after the date that the Controlling Class Majority Holder dated and delivered the original Directing Certificateholder Notice to Freddie Mac.

For the purpose of determining whether the directing certificateholder is an affiliate of any borrower (or any proposed replacement borrower) with respect to any underlying mortgage loan, the term "directing certificateholder" will include the directing certificateholder (and any affiliate of the directing certificateholder), any of its managing members or general partners and any party directing or controlling the directing certificateholder (or any such affiliate), including, for example, in connection with any re-securitization of the Controlling Class.

By its acceptance of a certificate, each certificateholder confirms its understanding that (i) the directing certificateholder may take actions, and the Directing Certificateholder Servicing Consultant may provide recommendations, that favor the interests of one or more classes of certificates over other classes of certificates, (ii) the directing certificateholder, the Non-Serviced Companion Loan Directing Holder and the Directing Certificateholder Servicing Consultant may have special relationships and interests that conflict with those of holders of some classes of certificates, (iii) the directing certificateholder, the Non-Serviced Companion Loan Directing Holder and the Directing Certificateholder Servicing Consultant will have no liability to any certificateholder for any action taken or not taken, or any recommendation provided, as applicable, and (iv) each certificateholder agrees to take no action against the directing certificateholder, the Non-Serviced Companion Loan Directing Holder or the Directing Certificateholder Servicing Consultant as a result of any such action or omission, recommendation or special relationship or conflict.

It is anticipated that Harbor Group International, LLC, a Delaware limited liability company, will be designated to serve as the initial directing certificateholder (the "Initial Directing Certificateholder"). As of the Closing Date, Affiliated Borrower Loan Events are expected to exist with respect to the Initial Directing Certificateholder and the Harbor Loans.

As and to the extent described under "—Asset Status Report" below, during the Directing Certificateholder Approval Period or if Freddie Mac has approved a directing certificateholder as an Approved Directing Certificateholder, such Approved Directing Certificateholder may direct the master servicer or the special servicer with respect to various servicing matters involving each of the underlying mortgage loans (other than the Non-Serviced Loan). A directing certificateholder that is not an Approved Directing Certificateholder will not have such rights with respect to such servicing matters, but will be entitled to exercise the Controlling Class Majority Holder Rights described in this information circular.

Upon the occurrence and during the continuance of any Affiliated Borrower Loan Event with respect to any underlying mortgage loan, any right of the directing certificateholder to (i) approve, consent or consult with respect to certain actions with respect to such underlying mortgage loan and, in the case of the Non-Serviced Loan, the Non-Serviced Companion Loan, (ii) exercise an option to purchase from the issuing entity such underlying mortgage loan (if it is a Defaulted Loan) and, if applicable, the underlying mortgage loan(s) in the related Crossed Loan Group and, in the case of the Non-Serviced Loan, purchase the Non-Serviced Companion Loan from the Non-Serviced Companion Loan Holder at a specified price and (iii) access certain information and reports regarding such underlying mortgage loan and, in the case of the Non-Serviced Loan, the Non-Serviced Companion Loan will be restricted as described in “—Asset Status Report” below and “—Purchase Option” above, as applicable. Upon the occurrence and during the continuance of an Affiliated Borrower Loan Event, the special servicer, as the Affiliated Borrower Loan Directing Certificateholder, will be required to exercise any approval, consent, consultation or other rights with respect to any matters related to an Affiliated Borrower Loan as described in “—Asset Status Report” below.

*Asset Status Report.* The special servicer is required to prepare and deliver a report to the master servicer, the directing certificateholder and Freddie Mac (the “Asset Status Report”) with respect to any underlying mortgage loan (other than the Non-Serviced Loan) that becomes a Specially Serviced Mortgage Loan within 60 days of the special servicer’s receipt of the information it reasonably requires after a Servicing Transfer Event. The directing certificateholder will be entitled to receive, in addition to other information it is permitted to receive under the Pooling and Servicing Agreement, Asset Status Reports, although only the Approved Directing Certificateholder will have consent or approval rights in respect of such reports.

Any Asset Status Report prepared by the special servicer will set forth the following information, to the extent reasonably determinable:

- a summary of the status of the Specially Serviced Mortgage Loan;
- a discussion of the legal and environmental considerations reasonably known to the special servicer, consistent with the Servicing Standard, that are applicable to the exercise of remedies and whether outside legal counsel has been retained;
- a current rent roll and income or operating statement available for the related mortgaged real property;
- the appraised value of the mortgaged real property, together with the assumptions used in the calculation if the appraisal is less than 12 months old;
- a recommendation by the special servicer as to how the Specially Serviced Mortgage Loan might be returned to performing status, returned to the master servicer for regular servicing or otherwise realized upon;
- a summary of any proposed actions and a discussion of whether or not taking such action is reasonably likely to produce a greater recovery on a present value basis than not taking such action;
- a status report on any foreclosure actions or other proceedings undertaken with respect to the related mortgaged real property, any proposed workouts with respect to the Specially Serviced Mortgage Loan and the status of any negotiations with respect to those workouts and an assessment of the likelihood of additional events of default on such underlying mortgage loan; and
- such other information as the special servicer deems relevant in light of the Servicing Standard.

If, within ten Business Days following delivery of the Asset Status Report, the Approved Directing Certificateholder (if any) does not disapprove in writing of any action proposed to be taken in that Asset Status Report or, upon delivery of a finalized Asset Status Report as described below, the special servicer will be required to implement the recommended action as outlined in such Asset Status Report. However, the special servicer may not take any action that is contrary to applicable law or the terms of the applicable loan documents. If the Approved Directing Certificateholder (if any) disapproves in writing such Asset Status Report within such ten Business Days, the special servicer is required to revise and deliver a new Asset Status Report within 30 days after such disapproval.

The special servicer must continue to revise that Asset Status Report until either (i) the Approved Directing Certificateholder (if any) fails to disapprove the revised Asset Status Report within ten Business Days of receipt, (ii) the special servicer determines that an extraordinary event has occurred with respect to the mortgaged real

property as described below or (iii) the passage of 60 days from the date of preparation of the first Asset Status Report. The special servicer will be required to deliver the finalized Asset Status Report to the directing certificateholder, Freddie Mac, the master servicer, the certificate administrator and the trustee. However, the special servicer (a) may, following the occurrence of an extraordinary event with respect to the related mortgaged real property, take any action set forth in such Asset Status Report before the expiration of a ten Business Day approval period if the special servicer has reasonably determined that failure to take such action would materially and adversely affect the interests of the certificateholders and it has made a reasonable effort to contact the Approved Directing Certificateholder (if any) and (b) in any case, must determine whether any affirmative disapproval by the Approved Directing Certificateholder (if any) described in this paragraph is not in the best interest of the certificateholders as a collective whole pursuant to the Servicing Standard. The special servicer will be required to notify the Approved Directing Certificateholder (if any) upon taking any such action.

The special servicer in its capacity as special servicer (and not in its capacity as Directing Certificateholder Servicing Consultant, if selected to serve in such capacity) may not take any action inconsistent with an Asset Status Report, unless that action would be required in order to act in accordance with the Servicing Standard. The special servicer may, from time to time, modify any Asset Status Report it has previously delivered and implement that report, *provided* that the revised report has been prepared, reviewed and not rejected pursuant to the terms described above. The directing certificateholder will be entitled to be delivered a copy by the special servicer of any such revised Asset Status Report (other than for an Affiliated Borrower Loan), though only an Approved Directing Certificateholder will have consent or approval rights in respect of such report.

In addition, with respect to a Specially Serviced Mortgage Loan, the special servicer is required to, subject to the Servicing Standard and the terms of the Pooling and Servicing Agreement, obtain the consent of the Approved Directing Certificateholder (if any) and respond to any reasonable request for information from Freddie Mac prior to the taking by the special servicer of the following actions (“Consent Actions”) with respect to any underlying mortgage loan or REO Property (other than the Non-Serviced Loan or Non-Serviced REO Property)—

- any proposed or actual foreclosure upon or comparable conversion of (which may include acquisitions of an REO Property) the ownership of the property or properties securing any Specially Serviced Mortgage Loans as come into and continue in default;
- any modification, amendment or waiver of a monetary term (including any change in the timing of payments but excluding the waiver of Default Interest and late payment charges) or a material non-monetary term or any waiver of a due-on-sale or due-on-encumbrance clause of an underlying mortgage loan (other than any easement, right of way or similar agreement);
- any acceptance of a discounted payoff with respect to a Specially Serviced Mortgage Loan;
- any proposed or actual sale of an REO Property out of the issuing entity for less than the outstanding principal balance of, and accrued interest (other than Default Interest) on, the related underlying mortgage loan, except in connection with a termination of the issuing entity as described under “—Termination” below;
- any determination to bring an REO Property held by the issuing entity into compliance with applicable environmental laws or to otherwise address hazardous material located at the REO Property;
- any release of real property collateral for an underlying mortgage loan, other than in accordance with the specific terms of, or upon satisfaction of, that underlying mortgage loan; *provided, however*, that the consent of the Approved Directing Certificateholder (if any) to any release of non-material parcels of the mortgaged real property may not be unreasonably withheld;
- any acceptance of substitute or additional real property collateral for an underlying mortgage loan, other than in accordance with the specific terms of that underlying mortgage loan;
- any approval of releases of earn-out reserves or related letters of credit with respect to a mortgaged real property securing an underlying mortgage loan other than in accordance with the specific terms of that underlying mortgage loan (for the avoidance of doubt, COVID-19 Debt Service Reserves do not constitute earn-out reserves);

- the release of any reserves in excess of the threshold set forth in the Pooling and Servicing Agreement (*provided*, that the Approved Directing Certificateholder (if any) will have no consent rights with respect to a release of all or a portion of any COVID-19 Debt Service Reserve so long as the conditions set forth in the related loan agreement have been satisfied); and
- any approval of a borrower request for consent to a replacement property manager for Specially Serviced Mortgage Loans (which approval may not be unreasonably withheld), other than in connection with any pre-approved servicing request with respect to an underlying mortgage loan set forth in the Pooling and Servicing Agreement.

However, no direction of the Approved Directing Certificateholder (if any), and no failure to consent to any action requiring the consent of the Approved Directing Certificateholder (if any) under the Pooling and Servicing Agreement, may (i) require or cause the master servicer or the special servicer to violate the terms of the Specially Serviced Mortgage Loan, applicable law or any provision of the Pooling and Servicing Agreement or any related intercreditor agreement; (ii) result in the imposition of a “prohibited transaction” or “prohibited contribution” tax under the REMIC Provisions; (iii) expose the master servicer, the special servicer, the trustee, the certificate administrator, the custodian, the depositor, Freddie Mac, the issuing entity or any of various other parties to any claim, suit or liability or (iv) materially expand the scope of the special servicer’s or the master servicer’s responsibilities under the Pooling and Servicing Agreement. The master servicer or the special servicer, as the case may be, will not (x) follow any such direction of the Approved Directing Certificateholder, (y) initiate any such actions having any of the effects set out above, or (z) take or refrain from taking any action, if following such directions, taking such action or refraining from taking such action would violate the Servicing Standard. The master servicer or the special servicer, as the case may be, will be required to notify the Approved Directing Certificateholder (if any) if it does not follow such direction of the Approved Directing Certificateholder.

Upon the occurrence of an Affiliated Borrower Loan Event (except with respect to any Affiliated Borrower Loan Event that exists on the Closing Date and is described in the definition of Affiliated Borrower Loan Event), the directing certificateholder will be required to provide written notice of the same to the trustee, the certificate administrator, the master servicer, the special servicer and Freddie Mac within two Business Days after the occurrence of such Affiliated Borrower Loan Event. In addition, the directing certificateholder will be required to provide written notice to the trustee, the certificate administrator, the master servicer, the special servicer and Freddie Mac of the termination of any Affiliated Borrower Loan Event within two Business Days after the termination of such Affiliated Borrower Loan Event. Except with respect to any Affiliated Borrower Loan Event that exists on the Closing Date and is described in the definition of Affiliated Borrower Loan Event, prior to its receipt of any notice from the directing certificateholder of the occurrence of an Affiliated Borrower Loan Event (or, following its receipt of notice, if any, of the termination of any Affiliated Borrower Loan Event, prior to its receipt of any notice of the occurrence of another Affiliated Borrower Loan Event), the master servicer, the special servicer, the trustee, the certificate administrator and Freddie Mac may conclusively assume that no Affiliated Borrower Loan Event exists, unless a responsible officer of the trustee or certificate administrator, as applicable, or a servicing officer of the master servicer or the special servicer, as applicable, has actual knowledge of any Affiliated Borrower Loan Event. The master servicer, the special servicer, the trustee, the certificate administrator and Freddie Mac may rely on any such notice of the occurrence or the termination of an Affiliated Borrower Loan Event without making any independent investigation.

Upon the occurrence and during the continuance of an Affiliated Borrower Loan Event, the directing certificateholder will not have any approval, consent, consultation or other rights under the Pooling and Servicing Agreement with respect to any matters related to any Affiliated Borrower Loan, and the Affiliated Borrower Loan Directing Certificateholder, upon receipt of written notice from the directing certificateholder, or any party on its behalf, of the occurrence of any Affiliated Borrower Loan Event, and prior to receipt of written notice from the directing certificateholder, or any party on its behalf, of the termination of such Affiliated Borrower Loan Event (i) will be required to exercise any such rights in its sole discretion and in accordance with the Servicing Standard and on behalf of the certificateholders as a collective whole, without seeking the consent or consultation of any other party, except that the Affiliated Borrower Loan Directing Certificateholder may consult with Freddie Mac with respect to any matters related to the Affiliated Borrower Loan, but will not be bound by any such consultation with Freddie Mac and (ii) will be entitled to any fees that would otherwise be payable to the Approved Directing Certificateholder under “Description of the Certificates—Fees and Expenses” in this information circular but for the occurrence of such Affiliated Borrower Loan Event.

Upon receipt of written notice from the directing certificateholder, or any party on its behalf, of the occurrence of any Affiliated Borrower Loan Event and prior to receipt of written notice from the directing certificateholder, or any party on its behalf, of the termination of such Affiliated Borrower Loan Event, none of the trustee, the certificate administrator, the master servicer or the special servicer will be permitted under the Pooling and Servicing Agreement to seek, accept or take any action based on the approval, consent or consultation of the directing certificateholder with respect to any matters related to any Affiliated Borrower Loan. In addition, for so long as an Affiliated Borrower Loan Event exists with respect to any Affiliated Borrower Loan, and to the extent the certificate administrator has actual knowledge of such Affiliated Borrower Loan Event, the certificate administrator may not provide to the directing certificateholder any Asset Status Report, inspection report, appraisal or internal valuation related to such Affiliated Borrower Loan. In addition, for so long as an Affiliated Borrower Loan Event exists with respect to any underlying mortgage loan, the trustee, the certificate administrator, the master servicer and the special servicer may withhold from the directing certificateholder any information with respect to such underlying mortgage loan that the trustee, the certificate administrator, the master servicer or the special servicer, as applicable, determines, in its sole discretion, is related to the workout of such underlying mortgage loan.

With respect to the Non-Serviced Loan, pursuant to the Non-Serviced Companion Loan PSA, the Non-Serviced Companion Loan Special Servicer will be required to deliver to the directing certificateholder any Asset Status Report prepared with respect to the Non-Serviced Whole Loan. With respect to the Non-Serviced Loan, if the Non-Serviced Companion Loan Master Servicer or the Non-Serviced Companion Loan Special Servicer, as applicable, is required to obtain the consent of the Non-Serviced Companion Loan Directing Holder prior to taking certain actions under this section “—Asset Status Report” above, the directing certificateholder will have a non-binding right of consultation with the Non-Serviced Companion Loan Master Servicer or the Non-Serviced Companion Loan Special Servicer, as applicable, regarding taking any such action with respect to the Non-Serviced Loan.

### **Inspections; Collection of Operating Information**

The special servicer will be required, at the expense of the issuing entity, to physically inspect or cause a physical inspection of the related mortgaged real property as soon as practicable after any underlying mortgage loan (other than the Non-Serviced Loan) becomes a Specially Serviced Mortgage Loan and annually thereafter for so long as that underlying mortgage loan remains a Specially Serviced Mortgage Loan. The master servicer will be required, at its own expense, to physically inspect or cause a physical inspection of each mortgaged real property securing an underlying mortgage loan (other than the Non-Serviced Loan) initially not later than the end of the calendar quarter in which (i) the first anniversary of the origination of any related underlying mortgage loan with an outstanding principal balance (or an allocated loan amount, if applicable) greater than or equal to \$2,000,000 occurs or (ii) the second anniversary of the origination of any related underlying mortgage loan with an outstanding principal balance (or an allocated loan amount, if applicable) less than \$2,000,000 occurs. Each subsequent inspection of each mortgaged real property by the master servicer will be conducted, in the case of each underlying mortgage loan with an outstanding principal balance (or an allocated loan amount, if applicable) greater than or equal to \$2,000,000, at least once every 12 months thereafter or, in the case of each underlying mortgage loan with an outstanding principal balance (or an allocated loan amount, if applicable) less than \$2,000,000, at least once every 24 months thereafter. The master servicer will be required to prepare or cause the preparation of a written report of each inspection performed by it that generally describes the condition of the particular mortgaged real property and deliver or make available on the master servicer’s website such written report to, among others, the directing certificateholder, Freddie Mac and the trustee. The special servicer will be required to prepare or cause the preparation of a written report of each inspection performed by it that generally describes the condition of the particular mortgaged real property and deliver such written report in electronic format to the certificate administrator and the master servicer, and the master servicer will send or make available on the master servicer’s website such written report to, among others, the directing certificateholder, Freddie Mac and the trustee.

The loan documents for most of the underlying mortgage loans obligate the related borrower to deliver quarterly, and the loan documents for substantially all of the underlying mortgage loans require annual, property operating statements.

### **Servicer Reports**

As set forth in the Pooling and Servicing Agreement, on a date preceding the applicable distribution date, the master servicer is required to deliver to the certificate administrator, the directing certificateholder and Freddie Mac a servicer remittance report setting forth the information necessary for the certificate administrator to make the

distributions set forth under “Description of the Certificates—Distributions” in this information circular and containing the information to be included in the distribution report for that distribution date delivered by the certificate administrator as described under “Description of the Certificates—Reports to Certificateholders and Freddie Mac; Available Information” in this information circular.

### **Evidence as to Compliance**

No later than the date specified below of each year, commencing in 2022, each of the master servicer and the special servicer must deliver or cause to be delivered, as applicable, to the depositor, the trustee, the certificate administrator and Freddie Mac, among others:

- by March 15th of each year, a statement of compliance signed by an officer of the master servicer or the special servicer, as the case may be, to the effect that, among other things, (i) a review of the activities of the master servicer or the special servicer, as the case may be, during the preceding calendar year or, in the case of the first such certification, during the period from the Closing Date through December 31, 2021 inclusive, and of its performance under the Pooling and Servicing Agreement, has been made under such officer’s supervision; (ii) to the best of such officer’s knowledge, based on such review, the master servicer or the special servicer, as the case may be, has fulfilled its obligations under the Pooling and Servicing Agreement in all material respects throughout the preceding calendar year or the portion of that year during which the certificates were outstanding (or, if there has been a failure to fulfill any such obligation in any material respect, specifying each such failure known to such officer and the nature and status of each such failure); (iii) that the master servicer or the special servicer, as the case may be, has maintained an effective internal control system over the servicing of mortgage loans, including the underlying mortgage loans (other than the Non-Serviced Loan); (iv) whether the master servicer or the special servicer has received any notice regarding qualification of or challenge to the status of either Trust REMIC as a REMIC or the Grantor Trust as a “grantor trust” from the IRS or any other governmental agency or body; and (v) in the case of the master servicer only, to the best of such officer’s knowledge, each sub-servicer, if any, has fulfilled its obligations under its Sub-Servicing Agreement in all material respects (or, if there has been a failure to fulfill any such obligation in any material respect, specifying each such failure known to such officer and the nature and status of each such failure and proposed actions with respect to the default); *provided, however*, that the master servicer will be entitled to conclusively rely on a review of the activities of such sub-servicer conducted by Freddie Mac, so long as the master servicer does not have any actual knowledge of such sub-servicer’s material non-fulfillment or material default (Freddie Mac will provide the master servicer access to such sub-servicer reviews by March 1 of each year beginning with March 1, 2022). With respect to the Non-Serviced Loan, the master servicer will be required to use efforts in accordance with the Servicing Standard to procure such report from the Non-Serviced Companion Loan Master Servicer and Non-Serviced Companion Loan Special Servicer pursuant to the Non-Serviced Companion Loan PSA, and
- as to each annual statement of compliance delivered by the master servicer or the special servicer, as the case may be, as described in the preceding bullet point, by April 15th of each year, an accountant’s statement from a registered public accounting firm to the effect that the asserting party complied with the minimum servicing standards identified in (i) Item 1122 of Regulation AB or (ii) the Uniform Single Attestation Program for Mortgage Bankers. For purposes of determining compliance with the minimum standards identified in clauses (i) or (ii) above, the master servicer and its accountants will be entitled to rely on the sub-servicer reviews delivered by Freddie Mac pursuant to the preceding bullet point, subject to the limitations set forth in the preceding bullet point. With respect to the Non-Serviced Loan, the master servicer will be required to use efforts in accordance with the Servicing Standard to procure such report from the Non-Serviced Companion Loan Master Servicer and Non-Serviced Companion Loan Special Servicer pursuant to the Non-Serviced Companion Loan PSA.

As long as one party is performing the duties of both the master servicer and the special servicer, that party will be required to deliver only one report, certificate or statement satisfying the requirements listed immediately above. Copies of such statement will be provided to any certificateholder, upon written request of any certificateholder, by the certificate administrator.

## Events of Default

Each of the following events, circumstances and conditions will be considered events of default with respect to the master servicer or the special servicer under the Pooling and Servicing Agreement:

1. any failure by the master servicer to make (i) any required deposit into its collection account or any other account created under the Pooling and Servicing Agreement, which failure continues unremedied for two Business Days, or any required remittance to the certificate administrator for deposit in the distribution account by the time required under the Pooling and Servicing Agreement on the Business Day prior to the related distribution date, which failure continues unremedied until 11:00 a.m. (New York City time) on the related distribution date; or (ii) any required Servicing Advance within the time specified in the Pooling and Servicing Agreement, which failure remains uncured for 15 days (or such shorter time as is necessary to avoid the lapse of any required insurance policy for any mortgaged real property or the foreclosure of any tax lien on the related mortgaged real property);
2. any failure by the special servicer to deposit into the REO account, or to remit to the master servicer for deposit in the collection account, any such deposit or remittance required to be made by the special servicer, when so required under the Pooling and Servicing Agreement, which failure continues unremedied for two Business Days;
3. any failure by the master servicer or the special servicer to duly observe or perform in any material respect any of its other covenants or obligations under the Pooling and Servicing Agreement, which failure continues unremedied for 30 days (15 days in the case of a failure to pay the premium for any required insurance policy for any mortgaged real property) after notice of such failure has been given to the master servicer or the special servicer, as the case may be, by any other party to the Pooling and Servicing Agreement, or to the master servicer or the special servicer, as applicable, the depositor and the trustee (with a copy to the certificate administrator) by the holders of 25% of the percentage interests of any class of certificates; *provided, however*, if such failure (other than a failure to pay insurance policy premiums for any mortgaged real property) is not capable of being cured within such 30-day period and the master servicer or the special servicer, as applicable, is diligently pursuing such cure, then such 30-day period will be extended for an additional 30 days;
4. any breach by the master servicer or the special servicer of a representation or warranty contained in the Pooling and Servicing Agreement that materially and adversely affects the interests of the certificateholders and continues unremedied for 30 days after the date on which notice of such breach is given to the master servicer or the special servicer, as the case may be, by any other party to the Pooling and Servicing Agreement, or to the master servicer or the special servicer, as applicable, the depositor and the trustee (with a copy to the certificate administrator) by the holders of 25% of the percentage interests of any class of certificates; *provided, however*, if such breach is not capable of being cured within such 30-day period and the master servicer or the special servicer, as applicable, is diligently pursuing such cure, then such 30-day period will be extended for an additional 30 days;
5. certain events of insolvency, readjustment of debt, marshaling of assets and liabilities or similar proceedings in respect of or relating to the master servicer or the special servicer, as applicable, and certain actions by or on behalf of the master servicer or the special servicer, as applicable, indicating its insolvency or inability to pay its obligations and such decree or order remains in force for 60 days;
6. a consent by the master servicer or the special servicer, as applicable, to the appointment of a conservator, receiver, liquidator, trustee or similar official in any bankruptcy, insolvency, readjustment of debt, marshaling of assets and liabilities or similar proceedings of or relating to such master servicer or special servicer or relating to all or substantially all of its property;
7. an admission by the master servicer or the special servicer, as applicable, in writing of its inability to pay its debts generally as they become due, the filing of a petition to take advantage of any applicable bankruptcy, insolvency or reorganization statute, the making of an assignment for the benefit of its creditors, the voluntary suspension of payment of its obligations or the taking of any corporate action in furtherance of the foregoing;
8. a Ratings Trigger Event occurs with respect to the master servicer or the special servicer, as applicable; or

9. failure of the master servicer to provide the certificate administrator with certain periodic information pertaining to the underlying mortgage loans as required under the Pooling and Servicing Agreement more than three times in a rolling 12-month period within one Business Day of the date on which the relevant report is due, unless such failure is due to force majeure or an act of God or such failure is waived by Freddie Mac; *provided* that Freddie Mac is not permitted to grant more than one waiver in such rolling 12-month period without the consent of the directing certificateholder, which consent may not be unreasonably withheld or delayed; *provided, further*, that a report will not be considered late unless Freddie Mac provides the master servicer with notice, with a copy to the certificate administrator, that the report was late within five days after the related distribution date.

If the master servicer is terminated solely due to an event described in clause 8 above, the master servicer will have 45 days to solicit bids and complete the sale of the servicing rights with respect to the underlying mortgage loans to a servicer acceptable under the Pooling and Servicing Agreement, during which time period the master servicer will continue to service the underlying mortgage loans.

### **Rights Upon Event of Default**

If an event of default described under “—Events of Default” above occurs with respect to the master servicer or the special servicer and remains unremedied, the trustee will be authorized, and at the direction of the directing certificateholder (but with respect to the master servicer, only if the directing certificateholder is an Approved Directing Certificateholder; *provided* that with respect to the event described in clause 9 under “—Events of Default” above, a directing certificateholder that is not an Approved Directing Certificateholder may inform the trustee of any such event of default) or Freddie Mac, the trustee will be required, to terminate all of the obligations and all of the rights of the defaulting party pursuant to the Pooling and Servicing Agreement in and to the underlying mortgage loans and proceeds of the underlying mortgage loans, other than any rights the defaulting party may have (i) as a certificateholder or (ii) in respect of compensation, indemnities and reimbursements accrued by or owing to such defaulting party on or prior to the date of termination or due to such defaulting party thereafter for services rendered and expenses incurred. Upon any such termination, the trustee must either:

- succeed to all of the responsibilities, duties and liabilities of the defaulting party under the Pooling and Servicing Agreement; or
- appoint an established mortgage loan servicing institution to act as successor to the defaulting party under the Pooling and Servicing Agreement that meets the Successor Servicer Requirements;

subject, in both cases, to (i) the right of the master servicer to sell its servicing rights with respect to the underlying mortgage loans as described in “—Events of Default” above, (ii) the right of the directing certificateholder to appoint a successor special servicer as described under “—Resignation, Removal and Replacement of Servicers; Transfer of Servicing Duties” above and (iii) the right of certificateholders entitled to at least 66<sup>2</sup>/<sub>3</sub>% of the voting rights allocated to each class of certificates affected by any event of default to waive such event of default as described below.

If the trustee is unwilling or unable to act as the permanent successor master servicer or special servicer or does not satisfy the Successor Servicer Requirements, it may (or, at the written request of certificateholders entitled to not less than 25% of the voting rights will be required to) promptly appoint, or petition a court of competent jurisdiction to appoint, as successor to the master servicer or the special servicer, as applicable, an established mortgage loan servicing institution that satisfies the Successor Servicer Requirements.

In general, certificateholders entitled to at least 66<sup>2</sup>/<sub>3</sub>% of the voting rights allocated to each class of certificates affected by any event of default may waive the event of default. However, the events of default described in clauses 1 and 2 under “—Events of Default” above may only be waived by all of the holders of the affected classes of certificates, the trustee and Freddie Mac. Furthermore, if the certificate administrator or the trustee is required to spend any monies in connection with any event of default or any waiver of that event of default, then that event of default may not be waived unless and until the certificate administrator or the trustee has been reimbursed for such amounts by the party requesting the waiver. Upon any waiver of an event of default, the event of default will cease to exist and will be deemed to have been remedied for every purpose under the Pooling and Servicing Agreement.

No certificateholder will have the right under the Pooling and Servicing Agreement to institute any proceeding with respect to the Pooling and Servicing Agreement or the certificates unless:

- that holder previously has given to the trustee written notice of default;
- except in the case of a default by the trustee, certificateholders representing at least 25% of a class have made written request to the trustee to institute that proceeding in its own name as trustee under the Pooling and Servicing Agreement and have offered to the trustee reasonable security or indemnity; and
- the trustee for 60 days has neglected or refused to institute any such proceeding.

Each certificateholder will be deemed under the Pooling and Servicing Agreement to have expressly covenanted with every other certificateholder and the trustee, that no one or more certificateholders will have any right in any manner whatsoever by virtue of any provision of the Pooling and Servicing Agreement or the certificates to affect, disturb or prejudice the rights of the holders of any other certificates, or to obtain or seek to obtain priority over or preference to any other certificateholder, or to enforce any right under the Pooling and Servicing Agreement or the certificates, except in the manner provided in the Pooling and Servicing Agreement or the certificates and for the equal, ratable and common benefit of all certificateholders.

Neither the trustee nor the certificate administrator, however, will be under any obligation to exercise any of the trusts or powers vested in it by the Pooling and Servicing Agreement or the certificates or to make any investigation of matters arising thereunder or under the certificates or to institute, conduct or defend any litigation under or in relation to the Pooling and Servicing Agreement or the certificates at the request, order or direction of any of the certificateholders, unless in the certificate administrator's or the trustee's opinion, as applicable, those certificateholders have offered to the certificate administrator or the trustee, as applicable, reasonable security or indemnity against the costs, expenses and liabilities which may be incurred by the certificate administrator or the trustee as a result.

However, with respect to the Non-Serviced Loan, if an event of default occurs with respect to the Non-Serviced Companion Loan Special Servicer and the Non-Serviced Companion Loan Special Servicer is not otherwise terminated and replaced by the Non-Serviced Companion Loan Directing Holder, or if the Non-Serviced Companion Loan Directing Holder exercises its right to replace the Non-Serviced Companion Loan Special Servicer, the directing certificateholder (subject to certain restrictions set forth in “—Realization Upon Mortgage Loans—Asset Status Report” above in the case that the Non-Serviced Loan is an Affiliated Borrower Loan) will have a non-binding right of consultation with the Non-Serviced Companion Loan Directing Holder regarding the termination and replacement of the Non-Serviced Companion Loan Special Servicer with respect to the Non-Serviced Whole Loan.

### **Matters Regarding the Trustee, the Certificate Administrator and the Custodian**

Each of the trustee and the certificate administrator is at all times required to be a corporation, national bank, trust company or national banking association organized and doing business under the laws of the U.S. or any State of the U.S. or the District of Columbia. Furthermore, the trustee and the certificate administrator must at all times, among other things—

- be authorized under those laws to exercise corporate trust powers;
- have a combined capital and surplus of at least \$50,000,000; and
- be subject to supervision or examination by federal or state authority.

If the corporation, national bank, trust company or national banking association publishes reports of condition at least annually, in accordance with law or the requirements of the supervising or examining authority, then the combined capital and surplus of that corporation, national bank, trust company or national banking association will be deemed to be its combined capital and surplus as described in its most recent published report of condition.

The depositor, the master servicer, the special servicer, Freddie Mac and their respective affiliates, may from time to time enter into normal banking and trustee relationships with the trustee, the certificate administrator and their affiliates. The trustee, the certificate administrator and any of their respective affiliates may hold certificates in its own name. In addition, for purposes of meeting the legal requirements of some local jurisdictions, the trustee will have the power to appoint a co-trustee or separate trustee of all or any part of the assets of the issuing entity. All

rights, powers, duties and obligations conferred or imposed upon the trustee will be conferred or imposed upon the trustee and the separate trustee or co-trustee jointly or, in any jurisdiction in which the trustee is incompetent or unqualified to perform some acts, singly upon the separate trustee or co-trustee, who may exercise and perform its rights, powers, duties and obligations solely at the direction of the trustee.

The trustee and the certificate administrator may each perform their duties under the Pooling and Servicing Agreement either directly or by or through agents, affiliates or attorneys. However, the appointment of any such agents, affiliates or attorneys will not relieve the trustee or the certificate administrator of its respective duties or obligations under the Pooling and Servicing Agreement.

The trustee and the certificate administrator will be entitled to a monthly fee for their services as trustee, certificate administrator and custodian, as applicable. This fee will accrue with respect to each and every underlying mortgage loan. The trustee fee will accrue at the trustee fee rate set forth in “Description of the Certificates—Fees and Expenses” in this information circular on the Stated Principal Balance of each underlying mortgage loan outstanding from time to time and will be calculated on the same basis as interest on the applicable underlying mortgage loan. The certificate administrator fee will accrue at the certificate administrator fee rate set forth in “Description of the Certificates—Fees and Expenses” in this information circular on the Stated Principal Balance of each underlying mortgage loan outstanding from time to time and will be calculated on the same basis as interest on the applicable underlying mortgage loan. The trustee fee and the certificate administrator fee are payable out of general collections on the mortgage pool in the issuing entity.

The certificate administrator will initially be the custodian of the mortgage files. The certificate administrator may appoint, at the certificate administrator’s own expense, one or more custodians to hold all or a portion of the mortgage files on behalf of the trustee; however the certificate administrator will be required to inform the master servicer, the trustee and Freddie Mac of such appointment and the appointment of any custodian will require the approval of Freddie Mac. Each custodian will be required to (i) be a depository institution supervised and regulated by a federal or state banking authority, (ii) have combined capital and surplus of at least \$10,000,000, (iii) be qualified to do business in the jurisdiction in which it holds any mortgage file, (iv) not be the depositor, the mortgage loan seller or any affiliate of the depositor or the mortgage loan seller, and (v) have in place Fidelity Insurance and E&O Insurance, each in such form and amount as is customarily required of custodians acting on behalf of Freddie Mac or Fannie Mae. Each custodian will be subject to the same obligations, standard of care, protections and indemnities as would be imposed on, or would protect, the certificate administrator under the Pooling and Servicing Agreement in connection with the retention of mortgage files directly by the certificate administrator. The appointment of one or more custodians will not relieve the certificate administrator from any of its obligations under the Pooling and Servicing Agreement, and the certificate administrator will remain responsible for all acts and omissions of any custodian.

### **Certain Indemnities**

The depositor, the master servicer (either in its own right or on behalf of an indemnified sub-servicer), the servicing consultant and the special servicer (including in its capacity as the Affiliated Borrower Loan Directing Certificateholder) and any officer, director, general or limited partner, shareholder, member, manager, employee, agent, affiliate or controlling person of the depositor, the master servicer, the special servicer or the servicing consultant will be entitled to be indemnified and held harmless by the issuing entity against any and all losses, liabilities, damages, claims, judgments, costs, fees, penalties, fines, forfeitures or other expenses (including reasonable legal fees and expenses, including in connection with the enforcement of such indemnified party’s rights under the Pooling and Servicing Agreement) that may be imposed on, incurred by or asserted against them in connection with, related to, or arising out of, the Pooling and Servicing Agreement, the transactions contemplated by the Pooling and Servicing Agreement or the certificates, other than any loss, liability, damage, claim, judgment, cost, fee, penalty, fine, forfeiture or other expense (including reasonable legal fees and expenses) (i) that is specifically required to be borne by the party seeking indemnification, without right of reimbursement pursuant to the terms of the Pooling and Servicing Agreement or (ii) incurred by reason of a breach of any representation or warranty by the depositor, the master servicer or the special servicer, as applicable, under the Pooling and Servicing Agreement, or by reason of the willful misconduct, bad faith, fraud or negligence of the depositor, the servicing consultant, the master servicer or the special servicer, as applicable, in the performance of its respective duties under the Pooling and Servicing Agreement or negligent disregard of its respective obligations or duties under the Pooling

and Servicing Agreement. Any party that seeks enforcement of indemnified rights in accordance with the preceding sentence must notify Freddie Mac and the directing certificateholder within 2 business days of seeking such enforcement; *provided, however*, that failure to provide such notice will not affect or limit the indemnity afforded to such party. For the avoidance of doubt, the indemnification provided by the issuing entity pursuant to the second preceding sentence will not entitle the servicing consultant, the master servicer or the special servicer, as applicable, to reimbursement for ordinary costs or expenses incurred by the servicing consultant, the master servicer or the special servicer, as applicable, in connection with its usual and customary performance of its duties and obligations under the Pooling and Servicing Agreement that are not expressly payable or reimbursable to the servicing consultant, the master servicer or the special servicer, as applicable, under the Pooling and Servicing Agreement. The master servicer, on behalf of an indemnified sub-servicer, will be entitled to pursue the issuing entity under the Pooling and Servicing Agreement for any indemnification due to an indemnified sub-servicer under the terms of the related Sub-Servicing Agreement. The master servicer will be required to promptly upon receipt remit such indemnification amounts to the affected indemnified sub-servicer upon reimbursement of such amounts from the collection account or (upon receipt from the trustee) the distribution account, as applicable. If the master servicer determines that a claim for indemnification submitted by a sub-servicer should not be pursued under the terms of the related Sub-Servicing Agreement or the Pooling and Servicing Agreement, the master servicer will be required to promptly notify Freddie Mac of the nature of such claim and a summary explanation of the master servicer's reason for denying such claim.

The trustee (in each of its capacities under the Pooling and Servicing Agreement), the certificate administrator (in each of its capacities under the Pooling and Servicing Agreement), the custodian and their respective officers, directors, general or limited partners, shareholders, members, managers, employees, agents, affiliates and controlling persons will be entitled to be indemnified and held harmless by the issuing entity against any and all losses, liabilities, damages, claims, judgments, costs, fees, penalties, fines, forfeitures or other expenses (including reasonable legal fees and expenses, including in connection with the enforcement of such indemnified party's rights under the Pooling and Servicing Agreement) that may be imposed on, incurred by or asserted against the trustee, the certificate administrator or the custodian, as applicable, in connection with, related to, or arising out of the Pooling and Servicing Agreement, the transactions contemplated by the Pooling and Servicing Agreement or the certificates other than any loss, liability, damage, claim, judgment, cost, fee, penalty, fine, forfeiture or other expense (including reasonable legal fees and expenses) (i) that constitutes a specific liability of the trustee, the certificate administrator or the custodian, as applicable, under the Pooling and Servicing Agreement, (ii) incurred by reason of any breach of any representation or warranty by the trustee, the certificate administrator or the custodian, as applicable, under the Pooling and Servicing Agreement or by reason of the willful misconduct, bad faith, fraud or negligence of the trustee, the certificate administrator or the custodian, as applicable, in the performance of its duties under the Pooling and Servicing Agreement or negligent disregard of its obligations or duties under the Pooling and Servicing Agreement or (iii) that would not constitute "unanticipated expenses incurred by the REMIC" within the meaning of Treasury Regulations Section 1.860G-1(b)(3)(iii). Any party that seeks enforcement of indemnified rights in accordance with the preceding sentence must notify Freddie Mac and the directing certificateholder within 2 business days of seeking such enforcement; *provided, however*, that failure to provide such notice will not affect or limit the indemnity afforded to such party.

However, subject to the last two sentences of this paragraph, in any calendar year, indemnification to us, the trustee, the certificate administrator, the custodian, the master servicer (for itself or certain indemnified sub-servicers, as applicable), the special servicer and their respective general or limited partners, members, managers, shareholders, affiliates, directors, officers, employees, agents and controlling persons will not exceed an amount equal to the Depositor Aggregate Annual Cap, the Trustee Aggregate Annual Cap or the Certificate Administrator/Custodian Aggregate Annual Cap (if different persons or entities are the trustee and the certificate administrator/custodian), the Trustee/Certificate Administrator/Custodian Aggregate Annual Cap (if the same person or entity is the trustee and the certificate administrator/custodian), the Master Servicer Aggregate Annual Cap or the Special Servicer Aggregate Annual Cap, as applicable. Any amounts payable in excess of the relevant Aggregate Annual Cap will be required to be paid, to the extent the funds are available, in the subsequent calendar year or years (subject to the applicable Aggregate Annual Cap for each such calendar year) until paid in full. Any indemnification amounts unpaid as a result of the relevant Aggregate Annual Cap will accrue interest at a rate equal to the Prime Rate from the date on which such amounts would have otherwise been paid had such Aggregate Annual Cap not applied to the date on which such amount is paid. The Aggregate Annual Caps will not apply after the Aggregate Annual Cap Termination Date. Freddie Mac and the Approved Directing Certificateholder (if any) will have the

right, in their sole and absolute discretion, to waive (as evidenced by a waiver signed by both Freddie Mac and the Approved Directing Certificateholder (if any)) the Depositor Aggregate Annual Cap, the Master Servicer Aggregate Annual Cap, the Trustee Aggregate Annual Cap, the Certificate Administrator/Custodian Aggregate Annual Cap, the Trustee/Certificate Administrator/Custodian Aggregate Annual Cap or the Special Servicer Aggregate Annual Cap upon the written request (which request, in the case of certain indemnified sub-servicers, is required to be accompanied by notice to the master servicer) of the depositor, the trustee, the certificate administrator, the master servicer, certain indemnified sub-servicers or the special servicer, as applicable.

The Non-Serviced Companion Loan Master Servicer, the Non-Serviced Companion Loan Special Servicer and the Non-Serviced Companion Loan Trustee will be indemnified by the issuing entity and held harmless against the issuing entity's *pro rata* share (subject to the Co-Lender Agreement) of any and all losses, liabilities, damages, claims, judgments, costs, fees, penalties, fines, forfeitures or other expenses (including reasonable legal fees and expenses, including in connection with the enforcement of such indemnified party's rights under the Pooling and Servicing Agreement) incurred in connection with any legal action relating to the Non-Serviced Whole Loan under the Non-Serviced Companion Loan PSA or the Pooling and Servicing Agreement, other than any loss, liability, damage, claim, judgment, cost, fee, penalty, fine, forfeiture or other expense (including reasonable legal fees and expenses) incurred by reason of such indemnified party's willful misconduct, bad faith, fraud or negligence in performing its duties or negligent disregard of its respective obligations and duties under the Non-Serviced Companion Loan PSA. The indemnification provided under the Pooling and Servicing Agreement will survive the termination of the Pooling and Servicing Agreement and the termination or resignation, under the Non-Serviced Companion Loan PSA, of the Non-Serviced Companion Loan Master Servicer, the Non-Serviced Companion Loan Special Servicer and the Non-Serviced Companion Loan Trustee.

## Termination

The obligations created by the Pooling and Servicing Agreement will terminate following the earliest of—

- the final payment or advance on, or other liquidation of, the last underlying mortgage loan or related REO Property remaining in the issuing entity;
- the purchase of all of the underlying mortgage loans and the issuing entity's interest in REO Properties remaining in the issuing entity by (i) the Controlling Class Majority Holder, but excluding Freddie Mac, (ii) the special servicer or (iii) the master servicer, in that order; and
- with the satisfaction of the conditions set forth in the proviso to the definition of Sole Certificateholder and with the consent of the master servicer, the exchange by the Sole Certificateholder (excluding Freddie Mac) of all its certificates (other than the class R certificates) for all of the underlying mortgage loans and the issuing entity's interest in REO Properties remaining in the issuing entity.

Written notice of termination of the Pooling and Servicing Agreement will be given to each certificateholder and Freddie Mac. The final distribution with respect to each certificate will be made only upon surrender and cancellation of that certificate at the office of the certificate registrar or at any other location specified in the notice of termination.

The following parties will each in turn, according to the order listed below, have the option to purchase all of the underlying mortgage loans and the issuing entity's interest in all other property remaining in the issuing entity on any distribution date on which the total Stated Principal Balance of the mortgage pool is less than 1.0% of the initial mortgage pool balance, upon written notice to the trustee and the other parties to the Pooling and Servicing Agreement:

- the Controlling Class Majority Holder, but excluding Freddie Mac;
- the special servicer; and
- the master servicer.

Any purchase by the Controlling Class Majority Holder (excluding Freddie Mac), a master servicer or a special servicer of all the underlying mortgage loans and the issuing entity's interest in REO Properties remaining in the issuing entity is required to be made at a price equal to:

- the sum of—
  1. the Purchase Price of all the underlying mortgage loans then included in the issuing entity, exclusive of REO Loans;
  2. the appraised value of the issuing entity’s interest in all REO Properties remaining in the issuing entity, as determined by an appraiser mutually agreed upon by the master servicer and the special servicer;
  3. without duplication, any unreimbursed Additional Issuing Entity Expenses; and
  4. any Unreimbursed Indemnification Expenses; minus
- solely in the case of a purchase by the master servicer or the special servicer, the total of all amounts payable or reimbursable to the purchaser under the Pooling and Servicing Agreement.

The purchase will result in early retirement of the then outstanding certificates. However, the right of the Controlling Class Majority Holder, but excluding Freddie Mac, the special servicer or the master servicer to make the purchase is subject to the requirement that the total Stated Principal Balance of the mortgage pool be less than 1.0% of the initial mortgage pool balance. The termination price, exclusive of any portion of the termination price payable or reimbursable to any person other than the certificateholders, will constitute part of the Available Distribution Amount for the final distribution date. Any person or entity making the purchase will be responsible for reimbursing the parties to the Pooling and Servicing Agreement for all reasonable out-of-pocket costs and expenses incurred by those parties in connection with the purchase.

If, with the consent of the master servicer and satisfaction of the conditions set forth in the proviso to the definition of Sole Certificateholder, the Sole Certificateholder elects to exchange all of its certificates (other than the class R certificates) for all of the underlying mortgage loans and the issuing entity’s interest in REO Properties remaining in the issuing entity, the Sole Certificateholder will be required to remit to the master servicer for deposit in the collection account all amounts due and owing to the depositor, the master servicer, the special servicer, the certificate administrator, the custodian and the trustee under the Pooling and Servicing Agreement through the date of the liquidation of the issuing entity, but only to the extent that such amounts are not already on deposit in the collection account. In addition, the master servicer will be required to remit to the certificate administrator for deposit into the distribution account all amounts required to be transferred to the distribution account on such Remittance Date from the collection account. Upon confirmation that such final deposits have been made and following the surrender by the Sole Certificateholder of all its certificates (other than the class R certificates) on the first distribution date thereafter, the trustee will be required to release or cause to be released to the Sole Certificateholder or its designee the mortgage files for the underlying mortgage loans and execute all assignments, endorsements and other instruments furnished to it by the Sole Certificateholder necessary to effectuate transfer of the underlying mortgage loans and the issuing entity’s interest in REO Properties remaining in the issuing entity to the Sole Certificateholder, and the issuing entity will be liquidated. In connection with any such exchange and liquidation of the issuing entity, the holders of the class R certificates will be required to surrender their class R certificates.

### **Amendment**

In general, the Pooling and Servicing Agreement may be amended by mutual agreement of the parties to the Pooling and Servicing Agreement without the consent of any of the certificateholders (except as set forth in clause 7 below with respect to the consent of the Approved Directing Certificateholder (if any)) for the following reasons—

1. to cure any ambiguity;
2. to correct, modify or supplement any provision in the Pooling and Servicing Agreement which may be inconsistent with this information circular;
3. to correct, modify or supplement any provision in the Pooling and Servicing Agreement which may be inconsistent with any other provision in that document or to correct any error;
4. to make any other provisions with respect to matters or questions arising under the Pooling and Servicing Agreement that are not inconsistent with the existing provisions of that document;

5. with an opinion of counsel delivered to the trustee, the certificate administrator, the master servicer and the special servicer, to relax or eliminate (i) any requirement under the Pooling and Servicing Agreement imposed by the REMIC Provisions or grantor trust provisions of the Code or (ii) any transfer restriction imposed on the certificates, in each case, if such laws are amended or clarified such that any such restriction may be relaxed or eliminated;
6. with an opinion of counsel delivered to the trustee, the certificate administrator, the master servicer and the special servicer, to comply with the Code, avoid the occurrence of a prohibited transaction or reduce any tax that would arise from any actions taken with respect to the operation of either Trust REMIC or the Grantor Trust;
7. with the consent of the Approved Directing Certificateholder (if any), to allow the mortgage loan seller and its affiliates to obtain accounting "sale" treatment for the underlying mortgage loans sold by the mortgage loan seller to the depositor under applicable accounting standards;
8. to modify the procedures in the Pooling and Servicing Agreement relating to Rule 15Ga-1 under the Exchange Act; or
9. to modify, alter, amend, add to or rescind any of the provisions contained in the Pooling and Servicing Agreement to comply with any rules or regulations promulgated by the SEC from time to time.

No amendment described in clauses 3, 4 or 7 above may adversely affect in any material respect the interests of any certificateholder or any third party beneficiary to the Pooling and Servicing Agreement or any provision of the Pooling and Servicing Agreement, as evidenced by the receipt by the trustee and the certificate administrator of an opinion of counsel to that effect or, alternatively, in the case of any particular certificateholder or third party beneficiary, an acknowledgment to that effect from such person.

In addition, the Pooling and Servicing Agreement may be amended by the parties to the Pooling and Servicing Agreement with the consent of the holders of not less than 51% of the voting rights that are materially affected by the amendment, to (i) add to, change or eliminate any of the provisions of the Pooling and Servicing Agreement or (ii) modify the rights of the certificateholders. However, no such amendment may:

1. reduce the amount of, or delay the timing of, payments received or advanced on the underlying mortgage loans and/or REO Properties which are required to be distributed on any certificate, without the consent of the holder of such certificate;
2. adversely affect in any material respect the interests of the holders of any class of certificates in a manner other than as described in clause 1 above, without the consent of the holders of all certificates of such class;
3. modify the amendment provisions of the Pooling and Servicing Agreement or the definitions of Accepted Servicing Practices, Freddie Mac Servicing Practices or Servicing Standard without the consent of the holders of all certificates then outstanding;
4. modify the obligation of the Guarantor to guarantee the Guaranteed Certificates;
5. significantly change the activities of the issuing entity, without the consent of certificateholders entitled to not less than 66<sup>2</sup>/<sub>3</sub>% of the voting rights (not taking into account certificates held by the depositor or any of its affiliates or agents or Freddie Mac); or
6. adversely affect in any material respect the interests of any third party beneficiary to the Pooling and Servicing Agreement without the consent of such third party beneficiary.

The Pooling and Servicing Agreement provides that any amendments made to it must be accompanied by an opinion of counsel stating that the amendment will not adversely affect the REMIC status of either Trust REMIC or the grantor trust status of the Grantor Trust created under the Pooling and Servicing Agreement.

## CERTAIN FEDERAL INCOME TAX CONSEQUENCES

### General

The following is a general discussion of the anticipated material federal income tax consequences of the purchase, ownership and disposition of the offered certificates. The discussion below does not purport to address all federal income tax consequences that may be applicable to particular categories of investors, some of which (such as banks, insurance companies and foreign investors) may be subject to special rules. The authorities on which this discussion is based are subject to change or differing interpretations, and any such change or interpretation could apply retroactively. This discussion reflects the applicable provisions of the Code, as well as Treasury Regulations. Investors should consult their own tax advisors in determining the federal, state, local or any other tax consequences to them of the purchase, ownership and disposition of certificates.

Elections will be made to treat applicable portions of the issuing entity as two separate REMICs within the meaning of Code Section 860D (the “Lower-Tier REMIC” and the “Upper-Tier REMIC,” and collectively, the “Trust REMICs”). The Lower-Tier REMIC will hold the underlying mortgage loans, the proceeds of the related underlying mortgage loans, the related portion of the collection account, the related portion of the distribution account, other related accounts and the issuing entity’s interest in the portion of any property that secured a related underlying mortgage loan that was acquired by foreclosure or deed-in-lieu of foreclosure, and will issue (i) certain uncertificated classes of “regular interests” (the “Lower-Tier REMIC Regular Interests”) as classes of “regular interests” in the Lower-Tier REMIC and (ii) the sole class of “residual interests” in the Lower-Tier REMIC, represented by the class R certificates. The Upper-Tier REMIC will hold the Lower-Tier REMIC Regular Interests and the related portion of the distribution account and will issue (i) uncertificated classes of “regular interests,” corresponding to the class AS, CS and XS certificates (the “Upper-Tier REMIC Regular Interests”) as classes of “regular interests” in the Upper-Tier REMIC and (ii) the sole class of “residual interests” in the Upper-Tier REMIC, represented by the class R certificates. Qualification as a REMIC requires ongoing compliance with certain conditions. Assuming (i) the making of appropriate elections, (ii) compliance with the Pooling and Servicing Agreement and the Co-Lender Agreement, and (iii) compliance with any changes in the law, including any amendments to the Code or applicable Treasury Regulations thereunder, in the opinion of Cadwalader, Wickersham & Taft LLP, counsel to the depositor, each of the Trust REMICs will qualify as a REMIC on the Closing Date and thereafter. Additionally, the portion of the issuing entity (the “Grantor Trust”) consisting of the Upper-Tier REMIC Regular Interests, and the right of the Holders of the class CS certificates to receive, and the obligation of the Holders of the class XS certificates to pay, Additional Interest Accrual Amounts (the “Basis Risk Contract”) and the related amounts held from time to time in the related distribution account will be treated as a grantor trust under the subpart E, part I of subchapter J of the Code, and the class AS, XS and CS certificates will represent undivided beneficial interests in their respective portions of the Grantor Trust. References in this information circular to “REMIC” refer to either the Lower-Tier REMIC or the Upper-Tier REMIC, as appropriate. References to “Holder” or “Certificateholder” in this discussion are to the beneficial owner of a certificate as specified in this information circular. As used in this information circular, the term “Regular Certificates” refers to the class AS, XS and CS certificates, to the extent that such classes represent beneficial interests in the related classes of Upper-Tier REMIC Regular Interests, and without regard to any right to receive, or obligation to pay, as applicable, any Additional Interest Accrual Amounts.

### Qualification as a REMIC

In order for each of the Trust REMICs to qualify as a REMIC, there must be ongoing compliance on the part of each REMIC with the requirements set forth in the Code. Each of the Trust REMICs must fulfill an asset test, which requires that no more than a *de minimis* portion of the assets of each REMIC, as of the close of the third calendar month beginning after the “Startup Day” (which for purposes of this discussion is the Closing Date) and at all times thereafter, may consist of assets other than “qualified mortgages” and “permitted investments.” The Treasury Regulations applicable to REMICs (the “REMIC Regulations”) provide a safe harbor pursuant to which the *de minimis* requirements will be met if at all times the aggregate adjusted basis of the nonqualified assets is less than 1% of the aggregate adjusted basis of all the REMIC’s assets. Each REMIC also must provide “reasonable arrangements” to prevent its residual interests from being held by “disqualified organizations” or their agents and must furnish applicable tax information to transferors or agents that violate this requirement. The Pooling and Servicing Agreement will provide that no legal or beneficial interest in the class R certificates may be transferred or registered unless certain conditions, designed to prevent violation of this requirement, are met.

A qualified mortgage is any obligation that is principally secured by interest in real property and that is either transferred to the REMIC on the Startup Day or is either purchased by the REMIC within a three-month period thereafter or represents an increase in the loan advanced to the obligor under its original terms, in either case, pursuant to a fixed price contract in effect on the Startup Day. Qualified mortgages include whole mortgage loans or participation interests in whole mortgage loans, such as the underlying mortgage loans, and regular interests in another REMIC, such as the Lower-Tier REMIC Regular Interests that are held by the Upper-Tier REMIC, *provided*, in general, (i) the fair market value of the real property security (including buildings and structural components of the buildings) is at least 80% of the outstanding principal balance of the related underlying mortgage loan either at origination or as of the Startup Day (a loan-to-value ratio of not more than 125% with respect to the real property security) or (ii) substantially all the proceeds of an underlying mortgage loan were used to acquire, improve or protect an interest in real property that, at the origination date, was the only security for the underlying mortgage loans. If an underlying mortgage loan was not in fact principally secured by real property or is otherwise not a qualified mortgage, it must be disposed of within 90 days of discovery of such defect, or otherwise ceases to be a qualified mortgage after such 90-day period.

Permitted investments include cash flow investments, qualified reserve assets and foreclosure property. A cash flow investment is an investment, earning a return in the nature of interest, of amounts received on or with respect to qualified mortgages for a temporary period, not exceeding 13 months, until the next scheduled distribution to Holders of interests in the REMIC. A qualified reserve asset includes any intangible property held for investment that is part of any reasonably required reserve maintained by the REMIC to provide for payments of expenses of the REMIC or amounts due on the regular or residual interests in the event of defaults (including delinquencies) on the qualified mortgages, lower than expected reinvestment returns, prepayment interest shortfalls and certain other contingencies. The Trust REMICs will not hold any reserve funds. Foreclosure property is real property acquired by a REMIC in connection with the default or imminent default of a qualified mortgage and maintained by the REMIC in compliance with applicable rules, *provided* the depositor had no knowledge or reason to know as of the Startup Day that such a default had occurred or would occur. Foreclosure property may generally not be held after the close of the third calendar year beginning after the date the REMIC acquires such property, with one extension that may be granted by the IRS.

In addition to these requirements, the various interests in a REMIC also must meet certain requirements. All of the interests in a REMIC must be either of the following: (i) one or more classes of regular interests or (ii) a single class of residual interests on which distributions, if any, are made *pro rata*. A regular interest is an interest in a REMIC that is issued on the Startup Day with fixed terms, is designated as a regular interest, unconditionally entitles the Holder to receive a specified principal amount, and provides that interest payments, if any, at or before maturity either are payable based on a fixed rate or a qualified variable rate, or consist of a specified, nonvarying portion of the interest payments on the qualified mortgages. The rate on the specified portion may be a fixed rate, a variable rate, or the difference between one fixed or qualified variable rate and another fixed or qualified variable rate. The specified principal amount of a regular interest that provides for interest payments consisting of a specified, nonvarying portion of interest payments on qualified mortgages may be zero. An interest in a REMIC may be treated as a regular interest even if payments of principal with respect to such interest are subordinated to payments on other regular interests or the residual interest in the REMIC, and are dependent on the absence of defaults or delinquencies on qualified mortgages or permitted investments, lower than reasonably expected returns on permitted investments, expenses incurred by REMIC or Prepayment Interest Shortfalls. A residual interest is an interest in a REMIC other than a regular interest that is issued on the Startup Day and that is designated as a residual interest. Accordingly, the Upper-Tier REMIC Regular Interests represented by the Regular Certificates will constitute classes of regular interests in the Upper-Tier REMIC; the Lower-Tier REMIC Regular Interests will constitute classes of regular interests in the Lower-Tier REMIC; and the class R certificates will represent the sole class of residual interests in the Lower-Tier REMIC and the Upper-Tier REMIC, respectively.

If an entity fails to comply with one or more of the ongoing requirements of the Code for status as one or more REMICs during any taxable year, the Code provides that the entity or applicable portion of that entity will not be treated as a REMIC for such year and thereafter. In this event, any entity with debt obligations with two or more maturities, such as the issuing entity, may be treated as a separate association taxable as a corporation under Treasury Regulations, and the certificates may be treated as equity interests in the issuing entity. The Code, however, authorizes Treasury to provide relief where failure to meet one or more of the requirements for REMIC status occurs inadvertently and in good faith. Investors should be aware, however, that the Conference Committee

Report to the Tax Reform Act of 1986 (the “1986 Act”) indicates that the relief may be accompanied by sanctions, such as the imposition of a corporate tax on all or a portion of the REMIC’s income for the period of time in which the requirements for REMIC status are not satisfied.

### **Status of Regular Certificates**

Except as provided below, Regular Certificates held by a real estate investment trust will constitute “real estate assets” within the meaning of Code Section 856(c)(5)(B) and interest and original issue discount (“OID”) on the Regular Certificates will be considered “interest on obligations secured by mortgages on real property or on interests in real property” within the meaning of Code Section 856(c)(3)(B) in the same proportion that, for both purposes, the assets of the issuing entity would be so treated. For purposes of Code Section 856(c)(5)(B), payments of principal and interest on the underlying mortgage loans that are reinvested pending distribution to Holders of Regular Certificates qualify for such treatment. Regular Certificates held by a domestic building and loan association will be treated as “loans...secured by an interest in real property which is...residential real property” within the meaning of Code Section 7701(a)(19)(C)(v). For purposes of these tests, the Trust REMICs are treated as a single REMIC. If at all times 95% or more of the assets of the Trust REMICs qualify for each of these treatments, the Regular Certificates will qualify for the corresponding status in their entirety. Regular Certificates held by certain financial institutions will constitute an “evidence of indebtedness” within the meaning of Code Section 582(c)(1).

These treatments will not apply to the extent of the portion of the basis of the Holder of a class CS certificate that is allocable to the Basis Risk Contract. In addition, because the class CS certificates and the class XS certificates also represent the right to receive and the obligation to make, respectively, payments under the Basis Risk Contract, they may not be suitable for inclusion in another REMIC.

### **Taxation of Regular Certificates**

*General.* In general, interest, OID and market discount on a Regular Certificate will be treated as ordinary income to a Certificateholder, and principal payments on a Regular Certificate will be treated as a return of capital to the extent of the Certificateholder’s basis allocable to its Regular Certificate (other than accrued market discount, if any, not yet reported as income). The Holder of a class CS certificate must allocate its basis between its related Upper-Tier REMIC Regular Interest and its right to receive payments under the Basis Risk Contract (to the extent such rights have value). Furthermore, the basis of a Holder of a class XS certificate in its related Upper-Tier REMIC Regular Interest will be increased to the extent of its obligation to pay Additional Interest Accrual Amounts. See “—Taxation of the Basis Risk Contract” below. Certificateholders must use the accrual method of accounting with respect to the Regular Certificates, regardless of the method of accounting otherwise used by such Certificateholders.

*Original Issue Discount.* Holders of Regular Certificates issued with OID generally must include OID in ordinary income for federal income tax purposes as it accrues in accordance with the constant yield method, which takes into account the compounding of interest, in advance of receipt of the cash attributable to such income. The following discussion is based in part on temporary and final Treasury Regulations (the “OID Regulations”) under Code Sections 1271 through 1273 and 1275 and in part on the provisions of the 1986 Act. Certificateholders should be aware, however, that the OID Regulations do not adequately address certain issues relevant to prepayable securities such as the Regular Certificates. To the extent such issues are not addressed in the OID Regulations, it is anticipated that the certificate administrator will apply the methodology described in the Conference Committee Report to the 1986 Act. No assurance can be *provided* that the IRS will not take a different position as to those matters not currently addressed by the OID Regulations. Moreover, the OID Regulations include an anti-abuse rule allowing the IRS to apply or depart from the OID Regulations where necessary or appropriate to ensure a reasonable tax result in light of the applicable statutory provisions. A tax result will not be considered unreasonable under the anti-abuse rule in the absence of a substantial effect on the present value of a taxpayer’s tax liability. Investors are advised to consult their own tax advisors as to the discussion in this information circular and the appropriate method for reporting interest and OID with respect to the Regular Certificates.

Each Regular Certificate will be treated as a single installment obligation for purposes of determining the OID includible in a Certificateholder’s income. The total amount of OID on a Regular Certificate is the excess of the “stated redemption price at maturity” of the Regular Certificate over its “issue price.” The issue price of a class of

Regular Certificates is the first price at which a substantial amount of Regular Certificates of such class (in each case, to the extent not allocable to the Basis Risk Contract, if any) are sold to investors (excluding bond houses, brokers and underwriters). Although unclear under the OID Regulations, it is anticipated that the certificate administrator will treat the issue price of a class of Regular Certificates as to which there is no substantial sale as of the Closing Date as the fair market value of such class as of the Closing Date. The issue price of the Upper-Tier REMIC Regular Interests represented by the class XS certificates will be the price thereof, plus the amount, if any, deemed received for providing the Basis Risk Contract. The stated redemption price at maturity of a Regular Certificate is the sum of all payments of the Regular Certificate other than any qualified stated interest payments. Under the OID Regulations, qualified stated interest generally means interest payable at a single fixed rate or a qualified variable rate, *provided* that such interest payments are unconditionally payable at intervals of one year or less during the entire term of the obligation. Because there is no penalty or default remedy in the case of nonpayment of interest with respect to a Regular Certificate, it is possible that no interest on any class of Regular Certificates will be treated as qualified stated interest. However, because the underlying mortgage loans provide for remedies in the event of default, it is anticipated, unless required otherwise by applicable Treasury Regulations, that the certificate administrator will treat all payments of stated interest on the Regular Certificates (other than the class XS certificates) as qualified stated interest. Based on the foregoing, it is anticipated that the Upper-Tier REMIC Regular Interest represented by the class AS certificates will not be issued with OID.

It is anticipated that the certificate administrator will treat the Upper-Tier REMIC Regular Interest represented by the class XS certificates as having no qualified stated interest. Accordingly, the Upper-Tier REMIC Regular Interest represented by the class XS certificates will be considered to be issued with OID in amounts equal to the excess of all distributions of interest expected to be received on such certificates (without regard to the payment of Additional Interest Accrual Amounts) over their issue price (including accrued interest). Any “negative” amounts of OID on such class attributable to rapid prepayments with respect to the underlying mortgage loans will not be deductible currently. A Holder of the class XS certificates may be entitled to a loss deduction, which may be a capital loss, to the extent it becomes certain that such Holder will not recover a portion of its basis in the related Upper-Tier REMIC Regular Interest, assuming no further prepayments. In the alternative, it is possible that rules similar to the “noncontingent bond method” of the contingent interest rules of the OID Regulations may be promulgated with respect to the class XS certificates. Unless and until required otherwise by applicable authority, it is not anticipated that the contingent interest rules will apply.

Under a *de minimis* rule, OID on a Regular Certificate will be considered to be zero if such OID is less than 0.2500% of the stated redemption price at maturity of the Regular Certificate multiplied by the weighted average maturity of the Regular Certificate. For this purpose, the weighted average maturity is computed as the sum of the amounts determined by multiplying the number of full years (*i.e.*, rounding down partial years) from the Closing Date until each distribution scheduled to be made by a fraction, the numerator of which is the amount of each distribution included in the stated redemption price at maturity of the Regular Certificate and the denominator of which is the stated redemption price at maturity of the Regular Certificate. The Conference Committee Report to the 1986 Act provides that the schedule of such distributions should be determined in accordance with the assumed rate of prepayments of the underlying mortgage loans, *i.e.*, no prepayments and no extensions (the “Prepayment Assumption”). Holders generally must report *de minimis* OID *pro rata* as principal payments are received, and such income will be capital gain if the Regular Certificate is held as a capital asset. However, under the OID Regulations, Certificateholders may elect to accrue all *de minimis* OID as well as market discount and premium under the constant yield method. See “—Election to Treat All Interest Under the Constant Yield Method” below.

The Holder of a Regular Certificate issued with OID generally must include in gross income for any taxable year the sum of the “daily portions,” as defined below, of the OID on the Regular Certificate accrued during an accrual period for each day on which it holds the Regular Certificate, including the date of purchase but excluding the date of disposition. With respect to each such Regular Certificate, a calculation will be made of the OID that accrues during each successive full accrual period that ends on the day prior to each distribution date with respect to the Regular Certificate. The OID accruing in a full accrual period will be the excess, if any, of (i) the sum of (a) the present value of all of the remaining distributions to be made on the Regular Certificate as of the end of that accrual period based on the Prepayment Assumption and (b) the distributions made on the Regular Certificate during the accrual period that are included in the Regular Certificate’s stated redemption price at maturity, over (ii) the adjusted issue price of the Regular Certificate at the beginning of the accrual period. The present value of the remaining distributions referred to in the preceding sentence is calculated based on (i) the yield to maturity of the Regular

Certificate as of the Startup Day, (ii) events (including actual prepayments) that have occurred prior to the end of the accrual period, (iii) the assumption that the value of SOFR used to compute the initial pass-through rate of the Regular Certificate does not change thereafter and (iv) the assumption that the remaining payments will be made in accordance with the original Prepayment Assumption. For these purposes, the adjusted issue price of a Regular Certificate at the beginning of any accrual period equals the issue price of the Regular Certificate, increased by the aggregate amount of OID with respect to the Regular Certificate that accrued in all prior accrual periods and reduced by the amount of distributions included in the Regular Certificate's stated redemption price at maturity that were made on the Regular Certificate that were attributable to such prior periods. The OID accruing during any accrual period (as determined in this paragraph) will then be divided by the number of days in the period to determine the daily portion of OID for each day in the period. The OID allocable to the short first accrual period will be computed based on the exact method.

Under the method described above, the daily portions of OID required to be included as ordinary income by a Certificateholder generally will increase to take into account prepayments on the related Regular Certificates as a result of prepayments on the underlying mortgage loans. Due to the unique nature of interest-only REMIC regular interests, the preceding sentence may not apply in the case of the class XS certificates.

*Acquisition Premium.* A purchaser of a Regular Certificate at a price greater than its adjusted issue price and less than its remaining stated redemption price at maturity will be required to include in gross income the daily portions of the OID on the Regular Certificate reduced *pro rata* by a fraction, the numerator of which is the excess of its purchase price over such adjusted issue price and the denominator of which is the excess of the remaining stated redemption price at maturity over the adjusted issue price. Alternatively, such a purchaser may elect to treat all such acquisition premium under the constant yield method, as described below under the heading “—Election to Treat All Interest Under the Constant Yield Method” below.

*Market Discount.* A purchaser of a Regular Certificate also may be subject to the market discount rules of Code Sections 1276 through 1278. Under these Code sections and the principles applied by the OID Regulations in the context of OID, “market discount” is the amount by which the purchaser's original basis in the Regular Certificate (i) is exceeded by the remaining outstanding principal payments and non-qualified stated interest payments due on a Regular Certificate, or (ii) in the case of a Regular Certificate having OID, is exceeded by the adjusted issue price of such Regular Certificate at the time of purchase. Such purchaser generally will be required to recognize ordinary income to the extent of accrued market discount on such Regular Certificate as distributions includible in the stated redemption price at maturity of such Regular Certificate are received, in an amount not exceeding any such distribution. Such market discount would accrue in a manner to be provided in Treasury Regulations and should take into account the Prepayment Assumption. The Conference Committee Report to the 1986 Act provides that until such regulations are issued, such market discount would accrue, at the election of the Certificateholder, either (i) on the basis of a constant interest rate or (ii) in the ratio of interest accrued for the relevant period to the sum of the interest accrued for such period plus the remaining interest after the end of such period, or, in the case of classes issued with OID, in the ratio of OID accrued for the relevant period to the sum of the OID accrued for such period plus the remaining OID after the end of such period. Such purchaser also generally will be required to treat a portion of any gain on a sale or exchange of the Regular Certificate as ordinary income to the extent of the market discount accrued to the date of disposition under one of these methods, less any accrued market discount previously reported as ordinary income as partial distributions in reduction of the stated redemption price at maturity were received. Such purchaser will be required to defer deduction of a portion of the excess of the interest paid or accrued on indebtedness incurred to purchase or carry the Regular Certificate over the interest (including OID) distributable on such Regular Certificate. The deferred portion of such interest expense in any taxable year generally will not exceed the accrued market discount on the Regular Certificate for such year. Any such deferred interest expense is, in general, allowed as a deduction not later than the year in which the related market discount income is recognized or the Regular Certificate is disposed of. As an alternative to the inclusion of market discount in income on this basis, the Certificateholder may elect to include market discount in income currently as it accrues on all market discount instruments acquired by such Certificateholder in that taxable year or thereafter, in which case the interest deferral rule will not apply. See “—Election to Treat All Interest Under the Constant Yield Method” below regarding an alternative manner in which such election may be deemed to be made.

Market discount with respect to a Regular Certificate will be considered to be zero if such market discount is less than 0.2500% of the remaining stated redemption price at maturity of such Regular Certificate multiplied by the weighted average maturity of the Regular Certificate remaining after the date of purchase. For this purpose, the

weighted average maturity is determined by multiplying the number of full years (*i.e.*, rounding down partial years) from the Closing Date until each distribution in reduction of stated redemption price at maturity is scheduled to be made by a fraction, the numerator of which is the amount of each such distribution included in the stated redemption price at maturity of the Regular Certificate and the denominator of which is the total stated redemption price at maturity of the Regular Certificate. It appears that *de minimis* market discount would be reported *pro rata* as principal payments are received. Treasury Regulations implementing the market discount rules have not yet been issued, and investors should therefore consult their own tax advisors regarding the application of these rules as well as the advisability of making any of the elections with respect to any market discount. Investors should also consult Revenue Procedure 92-67 concerning the elections to include market discount in income currently and to accrue market discount on the basis of the constant yield method.

*Premium.* A Regular Certificate purchased upon initial issuance or in the secondary market at a cost greater than its remaining stated redemption price at maturity generally is considered to be purchased at a premium. If the Certificateholder holds such Regular Certificate as a “capital asset” within the meaning of Code Section 1221, the Certificateholder may elect under Code Section 171 to amortize such premium under the constant yield method. Final Treasury Regulations under Code Section 171 do not, by their terms, apply to prepayable obligations such as the Regular Certificates. However, the Conference Committee Report to the 1986 Act indicates a Congressional intent that the same rules that will apply to the accrual of market discount on installment obligations will also apply to amortizing bond premium under Code Section 171 on installment obligations such as the Regular Certificates, although it is unclear whether the alternatives to the constant interest method described above under “—Market Discount” are available. Amortizable bond premium will be treated as an offset to interest income on a Regular Certificate rather than as a separate deduction item. See “—Election to Treat All Interest Under the Constant Yield Method” below regarding an alternative manner in which the Code Section 171 election may be deemed to be made. Based on the foregoing, it is anticipated that the Upper-Tier REMIC Regular Interest represented by the class AS certificates will not be issued at a premium. Because the stated redemption price at maturity of the class XS certificates will include all anticipated distributions of interest on such class, it is unlikely that such class could be purchased at a premium.

*Election to Treat All Interest Under the Constant Yield Method.* A Holder of a debt instrument such as a Regular Certificate may elect to treat all interest that accrues on the instrument using the constant yield method, with none of the interest being treated as qualified stated interest. For purposes of applying the constant yield method to a debt instrument subject to such an election, (i) “interest” includes stated interest, OID, *de minimis* OID, market discount and *de minimis* market discount, as adjusted by any amortizable bond premium or acquisition premium and (ii) the debt instrument is treated as if the instrument were issued on the Holder’s acquisition date in the amount of the Holder’s adjusted basis immediately after acquisition. A Holder generally may make such an election on an instrument-by-instrument basis or for a class or group of debt instruments. However, if the Holder makes such an election with respect to a debt instrument with amortizable bond premium or with market discount, the Holder is deemed to have made elections to amortize bond premium or to report market discount income currently as it accrues under the constant yield method, respectively, for all premium bonds held or acquired or market discount bonds acquired by the Holder on the first day of the taxable year of the election or thereafter. The election is made on the Holder’s federal income tax return for the year in which the debt instrument is acquired and is irrevocable except with the approval of the IRS. Investors should consult their own tax advisors regarding the advisability of making such an election.

*Treatment of Losses.* Holders of the Regular Certificates will be required to report income with respect to them on the accrual method of accounting, without giving effect to delays or reductions in distributions attributable to a default or delinquency on the underlying mortgage loan, except to the extent it can be established that such losses are uncollectible. Accordingly, the Holder of a Regular Certificate may have income, or may incur a diminution in cash flow as a result of a default or delinquency, but may not be able to take a deduction (subject to the discussion below) for the corresponding loss until a subsequent taxable year. In this regard, investors are cautioned that while they generally may cease to accrue interest income if it reasonably appears that the interest will be uncollectible, the IRS may take the position that OID must continue to be accrued in spite of its uncollectibility until the debt instrument is disposed of in a taxable transaction or becomes worthless in accordance with the rules of Code Section 166. Under Code Section 166, other than with respect to Holders of the class XS certificates, Certificateholders that are corporations or that otherwise hold the Regular Certificates in connection with a trade or business should in general be allowed to deduct as an ordinary loss any such loss sustained during the taxable year on account of any

such Regular Certificates becoming wholly or partially worthless, and, in general, Certificateholders that are not corporations and do not hold the Regular Certificates in connection with a trade or business will be allowed to deduct as a short-term capital loss any loss with respect to principal sustained during the taxable year on account of such Regular Certificates becoming wholly worthless. Although the matter is not free from doubt, such non-corporate Certificateholders should be allowed a bad debt deduction at such time as the outstanding principal balance of any class of such Regular Certificates is reduced to reflect losses resulting from liquidation of the related underlying mortgage loan to the extent the outstanding principal balance of such Regular Certificate is reduced below the Certificateholder's basis in such Regular Certificate. Notwithstanding the foregoing, Holders of the class XS certificates may not be entitled to a bad debt loss under Code Section 166. The IRS could also assert that losses on a class of Regular Certificates are deductible based on some other method, such as reducing future cash flow for purposes of computing OID. This may have the effect of creating "negative" OID which, with the possible exception of the method discussed in the following sentence, would be deductible only against future positive OID or otherwise upon termination of the applicable class. Although not free from doubt, a Certificateholder with negative OID may be entitled to deduct a loss to the extent that its remaining basis would exceed the maximum amount of future payments to which such Holder was entitled, assuming no further prepayments. Certificateholders are urged to consult their own tax advisors regarding the appropriate timing, amount and character of any loss sustained with respect to such Regular Certificates. Special loss rules are applicable to banks and thrift institutions, including rules regarding reserves for bad debts. Such taxpayers are advised to consult their tax advisors regarding the treatment of losses on the Regular Certificates.

*Sale or Exchange of Regular Certificates.* If a Certificateholder sells or exchanges a Regular Certificate, the Certificateholder will recognize gain or loss equal to the difference, if any, between the amount received and its adjusted basis in the related Upper-Tier REMIC Regular Interest (in the case of (i) a class CS certificate, allocated based on the relative fair market values of the related Upper-Tier REMIC Regular Interest and the Basis Risk Contract, and (ii) a class XS certificate, inclusive of the unamortized value of the right to receive premiums for the Basis Risk Contract). The adjusted basis of a related Upper-Tier REMIC Regular Interest generally will equal the cost of the related Regular Certificate to the seller allocable to such Upper-Tier REMIC Regular Interest, increased by any OID, market discount or other amounts previously included in the seller's gross income with respect to the Regular Certificate and reduced by amounts included in the stated redemption price at maturity of the Regular Certificate that were previously received by the seller, by any amortized premium, and by any deductible losses on such Regular Certificate.

Except as described above with respect to market discount, and except as provided in this paragraph, any gain or loss on the sale or exchange of a Regular Certificate realized by an investor who holds the Regular Certificate as a capital asset will be capital gain or loss and will be long-term or short-term depending on whether the Regular Certificate has been held for the long-term capital gain holding period (currently more than one year). Such gain will be treated as ordinary income (i) if the Regular Certificate is held as part of a "conversion transaction" as defined in Code Section 1258(c), up to the amount of interest that would have accrued on the Certificateholder's net investment in the conversion transaction at 120% of the appropriate applicable Federal rate under Code Section 1274(d) in effect at the time the taxpayer entered into the transaction minus any amount previously treated as ordinary income with respect to any prior disposition of property that was held as part of such transaction, (ii) in the case of a noncorporate taxpayer, to the extent such taxpayer has made an election under Code Section 163(d)(4) to have net capital gains taxed as investment income at ordinary income rates, or (iii) to the extent that such gain does not exceed the excess, if any, of (a) the amount that would have been includible in the gross income of the Holder if his yield on such Regular Certificate were 110% of the applicable federal rate as of the date of purchase over (b) the amount of income actually includible in the gross income of such Holder with respect to the Regular Certificate. In addition, gain or loss recognized from the sale of a Regular Certificate by certain banks or thrift institutions will be treated as ordinary income or loss pursuant to Code Section 582(c). Long-term capital gains of individuals are taxed at a lower rate than ordinary income and short-term capital gains. Tax rates of corporations are the same for capital gains and ordinary income, but their capital losses may be offset only against capital gains.

### **Taxation of the Basis Risk Contract**

The Pooling and Servicing Agreement will provide that (i) each Holder of a class CS certificate is intended to be treated for federal income tax purposes as having entered into its proportionate share of the rights of such class under the Basis Risk Contract and (ii) each Holder of a class XS certificate will also be deemed to have entered into

the obligation to make payments under the Basis Risk Contract. Each Holder of a class CS and XS certificate will have agreed to the foregoing characterization and to treat the Basis Risk Contract as a notional principal contract under applicable Treasury Regulations, beneficially owned by the Holders of the class CS certificates through the Grantor Trust.

The Holders of the class CS certificates must allocate the price they pay for their certificates between their interests in the related Upper-Tier REMIC Regular Interest and the Basis Risk Contract based on their relative fair market values. The portion, if any, allocated to the Basis Risk Contract will be treated as a cap premium (“Cap Premium”) paid by the Holders of the class CS certificates. Each such Cap Premium paid will reduce the purchase price allocable to the related Regular Certificate. In the case of the class XS certificates, any Cap Premium deemed received with respect to the obligation to make payments under the Basis Risk Contract will be treated as Cap Premium received and will increase the purchase price of the Upper-Tier REMIC Regular Interest owned by the Holders of the class XS certificates. The initial amounts of such Cap Premiums will be furnished by the depositor to the trustee for federal income tax reporting purposes, but such amounts may differ for purchasers after the initial issuance of the class CS certificates. A Holder of a class CS certificate or a class XS certificate will be required to amortize any Cap Premium under a level payment method as if the Cap Premium represented the present value of a series of equal payments made (or received in the case of the class XS certificates) over the life of the Basis Risk Contract (adjusted to take into account decreases in notional principal amount), discounted at a rate equal to the rate used to determine the amount of the Cap Premium (or some other reasonable rate). Prospective purchasers of the class CS or XS certificates should consult their own tax advisors regarding the appropriate method of amortizing any related Cap Premium. Under proposed Treasury Regulations and IRS guidance, all or a portion of non-periodic payments under notional principal contracts could be recharacterized as a loan for federal income tax purposes in certain cases. It is not clear whether the IRS could successfully assert such position with respect to the Basis Risk Contract in absence of further IRS guidance. Investors should consult their own tax advisors regarding the application of these proposed Treasury Regulations.

Under Treasury Regulations (i) all taxpayers must recognize periodic payments with respect to a notional principal contract under the accrual method of accounting, and (ii) any periodic payments received under the Basis Risk Contract (or made, in the case of the class XS certificates) must be netted against payments deemed made to the related counterparty (or deemed received, in the case of the class XS certificates) as a result of the related Cap Premium over the recipient’s taxable year, rather than accounted for on a gross basis. Net income or deduction with respect to net payments under a notional principal contract for a taxable year should constitute ordinary income or ordinary deduction. The IRS could contend the amount is capital gain or loss, but such treatment is unlikely, at least in the absence of further regulations. Any regulations requiring capital gain or loss treatment presumably would apply only prospectively. Legislation enacted on December 22, 2017 (the “Tax Cuts and Jobs Act”) disallows “miscellaneous itemized deductions” within the meaning of Code Section 67 and suspends the application of Code Section 68 for tax years beginning before January 1, 2026. As a result, investors who are individuals, trusts or estates will be unable to take certain itemized deductions described in these sections pertaining to net payments under a notional principal contract. For tax years beginning after December 31, 2025, individuals, trusts and estates may be limited in their ability to deduct any such net deduction and should consult their tax advisors prior to investing in the class CS certificates regarding the applicability of these provisions to their particular situation. Under the Tax Cuts and Jobs Act, payments made or deemed made by a U.S. corporation to a related foreign person with respect to a notional principal contract may be subject to a “base erosion minimum tax,” if certain other requirements of the Tax Cuts and Jobs Act are met. Investors should consult their own tax advisors regarding the potential imposition of the base erosion minimum tax on them in respect of payments under the Basis Risk Contract to related foreign persons.

Any amount of proceeds from the sale, redemption or retirement of a class CS certificate that is considered to be allocated to the Holder’s rights under the Basis Risk Contract would be considered a “termination payment” allocable to that certificate under Treasury Regulations. A Holder of a class CS certificate will have gain or loss from such a termination equal to (i) any termination payment it received or is deemed to have received minus (ii) the unamortized portion of any Cap Premium paid (or deemed paid) by the Holder of a class CS certificate or (iii) plus the unamortized portion of any Cap Premium received (or deemed received) by the Holder of a class XS certificate upon entering into or acquiring its interest in the related notional principal contract. Gain or loss realized upon the termination of the Basis Risk Contract will generally be treated as capital gain or loss. Moreover, in the case of the bank or thrift institution, Code Section 582(c) would likely not apply to treat such gain or loss as ordinary.

The class CS certificates, representing a beneficial ownership in the related Upper-Tier REMIC Regular Interest and the Basis Risk Contract, may constitute positions in a straddle, in which case the straddle rules of Code Section 1092 would apply. A selling Holder's capital gain or loss with respect to such Upper-Tier REMIC Regular Interest would be short term because the holding period would be tolled under the straddle rules. Similarly, capital gain or loss realized in connection with the termination of the Basis Risk Contract would be short term. If the Holder of a class CS certificate incurred or continued to incur indebtedness to acquire or hold such certificate, the Holder would generally be required to capitalize a portion of the interest paid on such indebtedness until termination of the Basis Risk Contract.

### **Taxation of Static Prepayment Premiums**

Static Prepayment Premiums, if any, actually collected on the underlying mortgage loans will be distributed to the Holders of the class XS certificates as and to the extent described in this information circular. It is not entirely clear under the Code when the amount of Static Prepayment Premiums should be taxed to the Holder entitled to that amount. For federal income tax reporting purposes, the certificate administrator will report the applicable Static Prepayment Premiums as income to the Holders of the class XS certificates entitled to such amounts only after the master servicer's actual receipt of those amounts. The IRS may nevertheless seek to require that an assumed amount of such Static Prepayment Premiums be included in payments projected to be made on the class XS certificates and that the taxable income be reported based on a projected constant yield to maturity. Therefore, the projected Static Prepayment Premiums would be included prior to their actual receipt by the Holders of the class XS certificates. If the projected Static Prepayment Premiums were not actually received, presumably the Holder of a class XS certificate would be allowed to claim a deduction or reduction in gross income at the time the unpaid Static Prepayment Premiums had been projected to be received. Moreover, it appears that Static Prepayment Premiums are to be treated as ordinary income rather than capital gain. However, the correct characterization of the income is not entirely clear. We recommend that Holders of the class XS certificates consult their own tax advisors concerning the treatment of Static Prepayment Premiums.

### **Taxes That May Be Imposed on a REMIC**

*Prohibited Transactions.* Income from certain transactions by a REMIC, called "prohibited transactions," will not be part of the calculation of income or loss includible in the federal income tax, but rather will be taxed directly to the REMIC at a 100% rate. Prohibited transactions generally include (i) the disposition of a qualified mortgage other than for (a) substitution within two years of the Startup Day for a defective (including a defaulted) obligation (or repurchase in lieu of substitution of a defective (including a defaulted) obligation at any time) or for any qualified mortgage within three months of the Startup Day, (b) foreclosure, default, or imminent default of a qualified mortgage, (c) bankruptcy or insolvency of the REMIC, or (d) a qualified (complete) liquidation, (ii) the receipt of income from assets that are not the type of mortgages or investments that the REMIC is permitted to hold, (iii) the receipt of compensation for services, or (iv) the receipt of gain from disposition of cash flow investments other than pursuant to a qualified liquidation. Notwithstanding clauses (i) and (iv) above, it is not a prohibited transaction to sell REMIC property to prevent a default on regular interests as a result of a default on qualified mortgages or to facilitate a qualified liquidation or a clean-up call. The REMIC Regulations indicate that the modification of a mortgage loan generally will not be treated as a disposition if it is occasioned by a default or reasonably foreseeable default, an assumption of a mortgage loan, or the waiver of a due-on-sale or due-on-encumbrance clause. It is not anticipated that either of the Trust REMICs will engage in any prohibited transactions.

*Contributions to a REMIC After the Startup Day.* In general, a REMIC will be subject to a tax at a 100% rate on the value of any property contributed to the REMIC after the Startup Day. Exceptions are provided for cash contributions to the REMIC (i) during the three months following the Startup Day, (ii) made to a qualified reserve fund by a holder of a residual interest, (iii) in the nature of a guarantee, (iv) made to facilitate a qualified liquidation or clean-up call, and (v) as otherwise permitted in Treasury Regulations yet to be issued. It is not anticipated that there will be any taxable contributions to either of the Trust REMICs.

*Net Income from Foreclosure Property.* The Lower-Tier REMIC will be subject to federal income tax at the corporate rate on "net income from foreclosure property," determined by reference to the rules applicable to real estate investment trusts. Generally, property acquired by foreclosure or deed-in-lieu of foreclosure would be treated as "foreclosure property" until the close of the third calendar year beginning after the Lower-Tier REMIC's

acquisition of a mortgaged real property, with a possible extension. Net income from foreclosure property generally means gain from the sale of a foreclosure property that is inventory property and gross income from foreclosure property other than qualifying rents and other qualifying income for a real estate investment trust.

In order for a mortgaged real property to qualify as foreclosure property, any operation of the mortgaged real property by the Lower-Tier REMIC generally must be conducted through an independent contractor. Further, such operation, even if conducted through an independent contractor, may give rise to “net income from foreclosure property,” taxable at the corporate rate. Payment of such tax by the Lower-Tier REMIC would reduce amounts available for distribution to Certificateholders.

The special servicer is required to determine generally that the operation of foreclosure property in a manner that would subject the Lower-Tier REMIC to such tax would be expected to result in higher after-tax proceeds than an alternative method of operating such property that would not subject the Lower-Tier REMIC to such tax.

*Bipartisan Budget Act of 2015.* The Bipartisan Budget Act of 2015 (the “2015 Budget Act”), which was enacted on November 2, 2015, includes new audit rules affecting entities treated as partnerships, their partners and the persons that are authorized to represent entities treated as partnerships in IRS audits and related procedures. Under the 2015 Budget Act, these rules will also apply to REMICs, the holders of their residual interests and the trustees or administrators authorized to represent REMICs in IRS audits and related procedures.

In addition to other changes, under the 2015 Budget Act, unless a REMIC elects otherwise, taxes arising from IRS audit adjustments are required to be paid by the REMIC rather than by its residual interest holders. The certificate administrator will have the authority to utilize, and will be directed to utilize, any elections available under the new provisions (including any changes) and Treasury Regulations so that Holders of the class R certificates, to the fullest extent possible, rather than any Trust REMIC itself, will be liable for any taxes arising from audit adjustments to the Trust REMIC’s taxable income. It is unclear how any such elections may affect the procedural rules available to challenge any audit adjustment that would otherwise be available in the absence of any such elections. Investors should consult their own tax advisors regarding the application of the 2015 Budget Act.

## **Taxation of Certain Foreign Investors**

*General.* Interest, including OID, distributable to beneficial owners of Regular Certificates who are nonresident aliens, foreign corporations, or other non-U.S. Persons (*i.e.*, any person who is not a “U.S. Person,” as defined in the next paragraph), will be considered “portfolio interest” and, therefore, generally will not be subject to 30% United States withholding tax, *provided* that such non-U.S. Person (i) is not a “10-percent shareholder” within the meaning of Code Section 871(h)(3)(B), or a controlled foreign corporation described in Code Section 881(c)(3)(C) related to, a REMIC (or possibly one or more borrowers) and (ii) provides the certificate administrator, or the person who would otherwise be required to withhold tax from such distributions under Code Section 1441 or 1442, with an appropriate statement, signed under penalties of perjury, identifying the beneficial owner and stating, among other things, that the beneficial owner of the Regular Certificate is a non-U.S. Person. The appropriate documentation includes IRS Form W-8BEN-E or IRS Form W-8BEN, if the non-U.S. Person is an entity (such as a corporation) or individual, respectively, eligible for the benefits of the portfolio interest exemption or an exemption based on a treaty; IRS Form W-8ECI if the non-U.S. Person is eligible for an exemption on the basis of its income from the Regular Certificate being effectively connected to a United States trade or business; IRS Form W-8BEN-E or IRS Form W-8IMY if the non-U.S. Person is a trust, depending on whether such trust is classified as the beneficial owner of the Regular Certificate; and IRS Form W-8IMY, with supporting documentation as is specified in the Treasury Regulations, required to substantiate exemptions from withholding on behalf of its partners, if the non-U.S. Person is a partnership. An intermediary (other than a partnership) must provide IRS Form W-8IMY, revealing all required information, including its name, address, taxpayer identification number, the country under the laws of which it is created, and certification that it is not acting for its own account. A “qualified intermediary” must certify that it has provided, or will provide, a withholding statement as required under Treasury Regulations Section 1.1441-1(e)(5)(v), but need not disclose the identity of its account holders on its IRS Form W-8IMY, and may certify its account holders’ status without including each beneficial owner’s certification. A “non-qualified intermediary” must additionally certify that it has provided, or will provide, a withholding statement that is associated with the appropriate IRS Forms W-8 and W-9 required to substantiate exemptions from withholding on behalf of its beneficial owners. The term “intermediary” means a person acting as a custodian, a broker, nominee or

otherwise as an agent for the beneficial owner of a Regular Certificate. A “qualified intermediary” is generally a foreign financial institution or clearing organization or a non-U.S. branch or office of a U.S. financial institution or clearing organization that is a party to a withholding agreement with the IRS.

If such statement, or any other required statement, is not provided, 30% withholding will apply unless interest on the Regular Certificate is effectively connected with the conduct of a trade or business within the United States by such non-U.S. Person. In that case, such non-U.S. Person will be subject to U.S. federal income tax at regular rates. The term “U.S. Person” means a citizen or resident of the United States, a corporation or partnership created or organized in or under the laws of the United States, any State in the United States or the District of Columbia, including an entity treated as a corporation or partnership for U.S. federal income tax purposes, an estate whose income is subject to U.S. federal income tax regardless of its source, or a trust if a court within the United States is able to exercise primary supervision over the administration of such trust, and one more such U.S. Persons have the authority to control all substantial decisions of such trust (or, to the extent provided in applicable Treasury Regulations, certain trusts in existence on August 20, 1996 that have elected to be treated as U.S. Persons).

## **FATCA**

Under the “Foreign Account Tax Compliance Act” (“**FATCA**”) provisions of the Hiring Incentives to Restore Employment Act, a 30% withholding tax is generally imposed on certain payments, including U.S.-source interest, to “foreign financial institutions” and certain other foreign financial entities if those foreign entities fail to comply with the requirements of FATCA. The certificate administrator will be required to withhold amounts under FATCA on payments made to Certificateholders who are subject to the FATCA requirements and who fail to provide the certificate administrator with proof that they have complied with such requirements. Prospective investors should consult their tax advisors regarding the applicability of FATCA to their Regular Certificates.

## **Backup Withholding**

Distributions made on the Regular Certificates, and proceeds from the sale of the Regular Certificates to or through certain brokers may be subject to a “backup” withholding tax under Code Section 3406 on “reportable payments” (including interest distributions, OID, and, under certain circumstances, principal distributions) unless the Certificateholder is a U.S. Person and provides IRS Form W-9 with the correct taxpayer identification number; is a non-U.S. Person and provides IRS Form W-8BEN or IRS Form W-8BEN-E, as applicable, identifying the non-U.S. Person and stating that the beneficial owner is not a U.S. Person; or can be treated as an exempt recipient within the meaning of Treasury Regulations Section 1.6049-4(c)(1)(ii). Any amounts withheld from distribution on the Regular Certificates would be refunded by the IRS or allowed as a credit against the Certificateholder’s federal income tax liability. Information reporting requirements may also apply regardless of whether withholding is required. Investors are urged to contact their own tax advisors regarding the application to them of backup withholding and information reporting.

## **3.8% Medicare Tax on “Net Investment Income”**

Certain non-corporate U.S. Persons will be subject to an additional 3.8% tax on all or a portion of their “net investment income,” which may include the interest payments and any gain realized with respect to the Regular Certificates, to the extent of their net investment income that, when added to their other modified adjusted gross income, exceeds \$200,000 for an unmarried individual, \$250,000 for a married taxpayer filing a joint return (or a surviving spouse), or \$125,000 for a married individual filing a separate return. The 3.8% Medicare tax is determined in a different manner than the regular income tax. U.S. Persons should consult their tax advisors with respect to their consequences with respect to the 3.8% Medicare tax.

## **Reporting and Administrative Requirements**

Reports of accrued interest, OID, if any, and information necessary to compute the accrual of any market discount on the Regular Certificates will be made annually to the IRS and to individuals, estates, non-exempt and non-charitable trusts, and partnerships who are either Holders of record of Regular Certificates or beneficial owners who own Regular Certificates through a broker or middleman as nominee. All brokers, nominees and all other non-exempt Holders of record of Regular Certificates (including corporations, non-calendar year taxpayers,

securities or commodities dealers, real estate investment trusts, investment companies, common trust funds, thrift institutions and charitable trusts) may request such information for any calendar quarter by telephone or in writing by contacting the person designated in IRS Publication 938 with respect to the related REMIC. Holders through nominees must request such information from the nominee.

Treasury Regulations require that information be furnished annually to Holders of Regular Certificates and filed annually with the IRS concerning the percentage of each Trust REMIC's assets meeting the qualified asset tests described above under "—Status of Regular Certificates."

Treasury Regulations require the certificate administrator to file an annual information return with the IRS and to furnish to Holders of the Regular Certificates their respective shares of income and expenses with respect to their interests in the Grantor Trust.

The IRS has published final regulations that establish a reporting framework for interests in "widely held fixed investment trusts" and place the responsibility of reporting on the person in the ownership chain who holds an interest for a beneficial owner. A widely-held fixed investment trust is defined as an arrangement classified as an "investment trust" under Treasury Regulations Section 301.7701-4(c), in which any interest is held by a middleman, which includes, but is not limited to (i) a custodian of a person's account, (ii) a nominee and (iii) a broker holding an interest for a customer in street name.

Under these regulations, the certificate administrator will be required to file IRS Form 1099 (or any successor form) with the IRS with respect to Holders of the Regular Certificates who are not "exempt recipients" (a term that includes corporations, trusts, securities dealers, middlemen and certain other non-individuals) and do not hold such Regular Certificates through a middleman, to report the trust's gross income and, in certain circumstances, unless the certificate administrator reports under the safe harbor as described in the last sentence of this paragraph, if any trust assets were disposed of or certificates are sold in secondary market sales, the portion of the gross proceeds relating to the trust assets that are attributable to such Certificateholder. The same requirements would be imposed on middlemen holding such Regular Certificates on behalf of the related Certificateholders. Under certain circumstances, the certificate administrator may report under the safe harbor for widely-held mortgage trusts, as such term is defined under Treasury Regulations Section 1.671-5.

These regulations also require that the certificate administrator make available information regarding interest income and information necessary to compute any original issue discount to (i) exempt recipients (including middlemen) and non-calendar year taxpayers, upon request, in accordance with the requirements of the regulations and (ii) applicable Certificateholders who do not hold their certificates through a middleman. The information must be provided to parties specified in clause (i) on or before the later of the 44<sup>th</sup> day after the close of the calendar year to which the request relates and 28 days after the receipt of the request. The information must be provided to parties specified in clause (ii) on or before March 15 of the calendar year following the year for which the statement is being furnished.

**DUE TO THE COMPLEXITY OF THESE RULES AND THE CURRENT UNCERTAINTY AS TO THE MANNER OF THEIR APPLICATION TO THE ISSUING ENTITY AND CERTIFICATEHOLDERS, IT IS PARTICULARLY IMPORTANT THAT POTENTIAL INVESTORS CONSULT THEIR OWN TAX ADVISORS REGARDING THE TAX TREATMENT OF THEIR ACQUISITION, OWNERSHIP AND DISPOSITION OF THE CERTIFICATES.**

### **STATE AND OTHER TAX CONSIDERATIONS**

In addition to the federal income tax consequences described in "Certain Federal Income Tax Consequences," potential investors should consider the state, local and other income tax consequences of the acquisition, ownership and disposition of the certificates. State and local income tax law may differ substantially from the corresponding federal law, and this discussion does not purport to describe any aspect of the income tax laws of any state, local or other jurisdiction. Therefore, potential investors should consult their own tax advisors with respect to the various tax consequences of investments in the certificates.

### **USE OF PROCEEDS**

We will use the net proceeds from the sale of the offered certificates to pay part of the purchase price of the underlying mortgage loans.

### **PLAN OF DISTRIBUTION**

Subject to the terms and conditions of a certificate purchase agreement, we have agreed to sell to Freddie Mac the offered certificates and Freddie Mac has agreed to purchase the offered certificates from us. Freddie Mac intends to include the offered certificates in pass-through pools that it will form for its SPCs.

### **LEGAL MATTERS**

The validity of the offered certificates and certain federal income tax matters will be passed upon for us by Cadwalader, Wickersham & Taft LLP. Cadwalader, Wickersham & Taft LLP also regularly provides legal representation to Freddie Mac.

## GLOSSARY

The following capitalized terms will have the respective meanings assigned to them in this “Glossary” section whenever they are used in this information circular, including in any of the exhibits to this information circular.

“Accepted Servicing Practices” means servicing and administering the underlying mortgage loans and/or REO Properties:

- (i) (a) in the same manner in which, and with the same care, skill, prudence and diligence with which the master servicer or the special servicer, as the case may be, services and administers similar mortgage loans for other third party portfolios, giving due consideration to the customary and usual standards of practice of prudent institutional commercial and multifamily mortgage loan servicers servicing mortgage loans for third parties, which includes for purposes of this clause (a), Freddie Mac Servicing Practices and (b) with the same care, skill, prudence and diligence with which the master servicer or the special servicer, as the case may be, services and administers similar commercial and multifamily mortgage loans owned by it, whichever is higher;
- (ii) with a view to the timely collection of all scheduled payments of principal and interest under the underlying mortgage loans and, in the case of the special servicer, if an underlying mortgage loan comes into and continues in default and if, in the judgment of the special servicer, no satisfactory arrangements can be made for the collection of the delinquent payments, the maximization of the recovery on that underlying mortgage loan to the certificateholders as a collective whole, on a net present value basis; but
- (iii) without regard to—
  - (a) any relationship that the master servicer or the special servicer, as the case may be, or any of their affiliates may have with the related borrower, the mortgage loan seller or any other party to the Pooling and Servicing Agreement,
  - (b) the ownership of any certificate or any subordinate debt by the master servicer or the special servicer, as the case may be, or by any of their affiliates,
  - (c) the master servicer’s obligation to make advances,
  - (d) the special servicer’s obligation to request that the master servicer make Servicing Advances,
  - (e) the right of the master servicer or the special servicer, as the case may be, or any of their affiliates, to receive reimbursement of costs, or the sufficiency of any compensation payable to it, or with respect to any particular transaction,
  - (f) any potential conflict of interest arising from the ownership, servicing or management for others of any other mortgage loans or mortgaged real properties by the master servicer or the special servicer, as the case may be, or any affiliate of the master servicer or the special servicer, as applicable,
  - (g) any obligation of the master servicer (in its capacity as an Originator or originator of the Non-Serviced Companion Loan, if applicable) to cure a breach of a representation or warranty or repurchase the underlying mortgage loan and/or any related Non-Serviced Companion Loan,
  - (h) any debt extended to the borrower or any of its affiliates by the master servicer or the special servicer, as the case may be, or any of their affiliates, or
  - (i) the right of the master servicer or the special servicer, as the case may be, to exercise any purchase option as described in “The Pooling and Servicing Agreement—Termination” in this information circular.

*provided, however*, that the foregoing standards will only apply with respect to the Non-Serviced Loan and any related Non-Serviced REO Property to the extent that the master servicer or the special servicer has any express duties or rights with respect to them pursuant to the Pooling and Servicing Agreement.

Unless otherwise specified in the Pooling and Servicing Agreement, all net present value calculations and determinations made pursuant to the Pooling and Servicing Agreement with respect to the underlying mortgage loans or a mortgaged real property or REO Property (including for purposes of the definition of Accepted Servicing

Practices) will be made in accordance with the loan documents or, in the event the loan documents are silent, using a discount rate appropriate for the type of cash flows being discounted, namely (i) for principal and interest payments on an underlying mortgage loan or the sale of a Defaulted Loan, the applicable mortgage interest rate and (ii) for all other cash flows, including property cash flow, the “discount rate” set forth in the most recent related appraisal (or update of such appraisal).

“Actual/360 Basis” means the accrual of interest based on the actual number of days elapsed during each one-month accrual period in a year assumed to consist of 360 days.

“Additional Interest Accrual Amount” has the meaning assigned to such term under “Description of the Certificates—Distributions—Interest Distributions” in this information circular.

“Additional Issuing Entity Expense” means an expense (other than master servicer surveillance fees, special servicer surveillance fees, master servicing fees, sub-servicing fees, certificate administrator fees, trustee fees, the Guarantee Fee and CREFC® Intellectual Property Royalty License Fees) of the issuing entity that—

- (i) arises out of a default on an underlying mortgage loan or an otherwise unanticipated event affecting the issuing entity, whether or not related to a particular underlying mortgage loan;
- (ii) is not covered by a Servicing Advance, a corresponding collection from the related borrower or indemnification from another person; and
- (iii) to the extent that it is allocable to a particular underlying mortgage loan, is not covered by late payment charges or Default Interest collected on that underlying mortgage loan.

We provide some examples of Additional Issuing Entity Expenses under “Description of the Certificates—Reductions of Certificate Principal Balances in Connection with Realized Losses and Additional Issuing Entity Expenses” in this information circular.

“Adjustment Factor” means, with respect to any underlying mortgage loan or a class of certificates, the first alternative set forth in the following order that can be determined by Freddie Mac as of the related Alternate Index Replacement Date: (a) the spread adjustment (which may be a positive or negative value or zero), or method for calculating or determining such spread adjustment, that has been selected or recommended by the Relevant Governmental Body for the applicable Unadjusted Alternate Index; (b) if the applicable Unadjusted Alternate Index is equivalent to the ISDA Fallback Rate, the ISDA Fallback Adjustment; or (c) the spread adjustment (which may be a positive or negative value or zero) that has been selected by Freddie Mac giving due consideration to any industry-accepted spread adjustment, or method for calculating or determining such spread adjustment, for the replacement of the then-current SOFR Rate with the applicable Unadjusted Alternate Index for U.S. dollar-denominated floating rate securities at such time. In determining the Adjustment Factor, Freddie Mac will take into consideration the methods generally accepted by the commercial real estate finance industry or ISDA for calculating an adjustment factor. The Adjustment Factor may be positive, negative or zero.

“Adverse REMIC Event” means any action taken that, under the REMIC Provisions, if taken or not taken, as the case may be, could (i) cause any Trust REMIC to fail to qualify as a REMIC or (ii) result in the imposition of a tax under the REMIC Provisions upon any Trust REMIC (including the tax on prohibited transactions as defined in Section 860F(a)(2) of the Code and the tax on contributions to a REMIC set forth in Section 860G(d) of the Code, but not including the tax on net income from foreclosure property imposed by Section 860G(c) of the Code.

“Adverse Tax Event” means (i) an alteration of the related mortgage note resulting in an exchange under Treasury Regulations Section 1.1001-3(a), (ii) an adverse REMIC event (as defined in the related mortgage note) to any holder of the related mortgage note or a portion of the related mortgage note that is a REMIC, or (iii) an event that results in a holder of the related mortgage note or a portion of the related mortgage note that is a grantor trust being treated as having a power under the Pooling and Servicing Agreement to vary the investment of the certificateholders under Treasury Regulations Section 301.7701-4(c)(1).

“Affiliated Borrower Loan” means any underlying mortgage loan with respect to which the directing certificateholder, any of its managing members or any of its affiliates becomes or is the related borrower (or any proposed replacement borrower) or any Restricted Mezzanine Holder or any such party becomes aware that the

directing certificateholder, any of its managing members or any of its affiliates is an affiliate of any related borrower (or any proposed replacement borrower) or any Restricted Mezzanine Holder. As of the Closing Date, the Harbor Loans are expected to be Affiliated Borrower Loans with respect to Initial Directing Certificateholder, and no Affiliated Borrower Loan is expected to exist with respect to the Non-Serviced Companion Loan Directing Holder.

“Affiliated Borrower Loan Directing Certificateholder” means the special servicer or, if the related Affiliated Borrower Loan is also an Affiliated Borrower Special Servicer Loan, the Affiliated Borrower Special Servicer.

“Affiliated Borrower Loan Event” means an event that will exist with respect to any underlying mortgage loan if at any time the directing certificateholder, any of its managing members or any of its affiliates becomes or is the related borrower (or any proposed replacement borrower) or any Restricted Mezzanine Holder or becomes aware that the directing certificateholder, any of its managing members or any of its affiliates is an affiliate of the related borrower (or any proposed replacement borrower) or any Restricted Mezzanine Holder. As of the Closing Date, Affiliated Borrower Loan Events are expected to exist with respect to the Initial Directing Certificateholder and the Harbor Loans.

“Affiliated Borrower Special Servicer” has the meaning assigned to such term under “The Pooling and Servicing Agreement—Resignation, Removal and Replacement of Servicers; Transfer of Servicing Duties—Removal of the Master Servicer, the Special Servicer and any Sub-Servicer” in this information circular.

“Affiliated Borrower Special Servicer Loan” has the meaning assigned to such term under “The Pooling and Servicing Agreement—Resignation, Removal and Replacement of Servicers; Transfer of Servicing Duties—Removal of the Master Servicer, the Special Servicer and any Sub-Servicer” in this information circular. As of the Closing Date, no Affiliated Borrower Special Servicer Loan is expected to exist.

“Affiliated Borrower Special Servicer Loan Event” has the meaning assigned to such term under “The Pooling and Servicing Agreement—Resignation, Removal and Replacement of Servicers; Transfer of Servicing Duties—Removal of the Master Servicer, the Special Servicer and any Sub-Servicer” in this information circular. As of the Closing Date, no Affiliated Borrower Special Servicer Loan Event is expected to exist.

“Affordability Certification” has the meaning assigned to such term under “Description of the Underlying Mortgage Loans—Certain Terms and Conditions of the Underlying Mortgage Loans—Impact Affordable Loans” in this information circular.

“Affordability Noncompliance Fees” means, with respect to any underlying mortgage loan, any amounts actually collected on such underlying mortgage loan that represent the “Affordability Noncompliance Fees,” as such term is defined in the related loan documents.

“Aggregate Annual Cap” means, with respect to the master servicer and certain indemnified sub-servicers, the Master Servicer Aggregate Annual Cap; with respect to the special servicer, the Special Servicer Aggregate Annual Cap; with respect to the trustee, the Trustee Aggregate Annual Cap; with respect to the certificate administrator and the custodian, the Certificate Administrator/Custodian Aggregate Annual Cap; and with respect to the depositor, the Depositor Aggregate Annual Cap; *provided* that if the same person or entity is the trustee and the certificate administrator/custodian, Aggregate Annual Cap will refer to the Trustee/Certificate Administrator/Custodian Aggregate Annual Cap, and not the Trustee Aggregate Annual Cap or the Certificate Administrator/Custodian Aggregate Annual Cap.

“Aggregate Annual Cap Termination Date” means the earlier to occur of (i) the determination date in July 2030 and (ii) any determination date on which the master servicer determines that the aggregate amount of Unreimbursed Indemnification Expenses (with interest on such amounts) and other outstanding Servicing Advances (with interest on such amounts), P&I Advances (with interest on such amounts), Nonrecoverable Advances (with interest on such amounts), Workout-Delayed Reimbursement Amounts (with interest on such amounts) and Additional Issuing Entity Expenses (excluding special servicing fees, liquidation fees and workout fees) equals or exceeds an amount equal to 50% of the outstanding principal balance of the mortgage pool on such determination date (after the application of all payments of principal and/or interest collected during the related Collection Period).

“Alternate Index” has the meaning assigned to such term under “Description of the Underlying Mortgage Loans—Certain Terms and Conditions of the Underlying Mortgage Loans—Conversion to Alternate Index” in this information circular.

“Alternate Index Conforming Changes” means, with respect to the conversion to, or the adoption of, an Alternate Index, any technical, administrative or operational changes (including changes to the timing and frequency of determining rates and other administrative matters) that Freddie Mac decides may be appropriate to reflect the conversion to, or the adoption of, an Alternate Index in a manner substantially consistent with market practice (or, if Freddie Mac decides that adoption of any portion of such market practice is not administratively or operationally feasible or if Freddie Mac determines that no market practice exists for the conversion to, or the adoption of, an Alternate Index, in such other manner as Freddie Mac determines, in its reasonable discretion, is reasonably necessary and appropriate).

“Alternate Index Notice” has the meaning assigned to such term under “Description of the Certificates—Distributions—Calculation of Pass-Through Rates” in this information circular.

“Alternate Index Replacement Date” means the earliest to occur of the following events with respect to the then-current Index (including the daily published component used in the calculation thereof): (a) in the case of clause (i) or (ii) of the definition of Loan Index Conversion Event, the later of (1) the date of the public statement or publication of information referenced therein and (2) the date on which the administrator of SOFR permanently or indefinitely ceases to provide SOFR (or such component); or (b) in the case of clause (iii) of the definition of Loan Index Conversion Event, the date of the public statement or publication of information referenced therein.

For the avoidance of doubt, if the event that gives rise to the Alternate Index Replacement Date occurs on the same day as, but earlier than, the SOFR Determination Date in respect of any determination, the Alternate Index Replacement Date will be deemed to have occurred prior to the SOFR Determination Date for such determination.

“Appraisal Reduction Amount” means, for each distribution date and for any underlying mortgage loan (other than the Non-Serviced Loan) as to which an Appraisal Reduction Event has occurred, subject to the discussion under “The Pooling and Servicing Agreement—Required Appraisals” in this information circular, an amount equal to the excess, if any, of (i) the Stated Principal Balance of the underlying mortgage loan over (ii) the excess, if any, of (a) the sum of (1) 90% of the appraised value of the related mortgaged real property as determined (A) by one or more independent MAI appraisals with respect to any underlying mortgage loan with an outstanding principal balance (or an allocated loan amount, if applicable) greater than or equal to \$2,000,000 (the costs of which will be required to be paid by the master servicer as a Servicing Advance) or (B) by an independent MAI appraisal (or an update of a prior appraisal) or an internal valuation performed by the special servicer with respect to any underlying mortgage loan with an outstanding principal balance (or an allocated loan amount, if applicable) less than \$2,000,000, in the case of either (A) or (B), as such appraisal or internal valuation may be adjusted downward by the special servicer in accordance with the Servicing Standard, without implying any duty to do so, based on the special servicer’s review of such appraisal, internal valuation or such other information as the special servicer deems relevant, plus (2) any letter of credit, reserve, escrow or similar amount held by the master servicer which may be applied to payments on such underlying mortgage loan over (b) the sum of (1) to the extent not previously advanced by the master servicer or the trustee, all accrued and unpaid interest on such underlying mortgage loan at a *per annum* rate equal to its mortgage interest rate, (2) all unreimbursed advances in respect of such underlying mortgage loan and interest on such amounts at the Prime Rate and (3) all currently due and unpaid real estate taxes and assessments, insurance policy premiums, ground rents and all other amounts due and unpaid with respect to such underlying mortgage loan (which taxes, assessments, premiums, ground rents and other amounts have not been subject to an advance by the master servicer or the trustee and/or for which funds have not been escrowed), *provided* that if neither a required appraisal has been obtained nor an internal valuation is completed within the period required under “The Pooling and Servicing Agreement—Required Appraisals” in this information circular with respect to the related mortgaged real property, then until such appraisal is obtained or such internal valuation is completed, as the case may be, the Appraisal Reduction Amount will be equal to 25% of the Stated Principal Balance of such underlying mortgage loan as of the date of the related Appraisal Reduction Event.

Any Appraisal Reduction Amount with respect to the Non-Serviced Whole Loan will be determined by the Non-Serviced Companion Loan Master Servicer pursuant to the Non-Serviced Companion Loan PSA. The Non-Serviced Whole Loan will be treated as a single mortgage loan for purposes of calculating an Appraisal Reduction

Amount. Any Appraisal Reduction Amount in respect of the Non-Serviced Whole Loan will be allocated *pro rata* between the Non-Serviced Loan and the Non-Serviced Companion Loan based upon their respective Stated Principal Balances pursuant to the Co-Lender Agreement and the Non-Serviced Companion Loan PSA, and for purposes of the Pooling and Servicing Agreement, the “Appraisal Reduction Amount” for the Non-Serviced Loan will be the *pro rata* share so allocated to the Non-Serviced Loan.

“Appraisal Reduction Event” means, with respect to any underlying mortgage loan (other than the Non-Serviced Loan), the earliest of any of the following events—

- (i) 120 days after an uncured delinquency (without regard to the application of any grace period) occurs in respect of such underlying mortgage loan (except that with respect to a balloon payment delinquency, an Appraisal Reduction Event will not be deemed to occur until such underlying mortgage loan becomes a Specially Serviced Mortgage Loan);
- (ii) the date on which a reduction in the amount of monthly payments on such underlying mortgage loan, or a change in any other material economic term of such underlying mortgage loan (other than an extension of its scheduled maturity date for a period of six months or less), becomes effective as a result of a modification of such underlying mortgage loan by the special servicer;
- (iii) 60 days after a receiver or liquidator has been appointed for the related borrower or immediately after a receiver has been appointed for the related mortgaged real property;
- (iv) 30 days after a borrower declares bankruptcy;
- (v) 60 days after the borrower becomes the subject of an undischarged and unstayed decree or order for a bankruptcy proceeding; and
- (vi) immediately after a mortgaged real property becomes an REO Property;

*provided, however*, that there will be no reduction in any advance for delinquent monthly debt service payments if an Appraisal Reduction Event occurs at any time on or after the outstanding principal balance of the class CS certificates has been reduced to zero.

With respect to the Non-Serviced Whole Loan, the occurrence of any Appraisal Reduction Event will be determined by the Non-Serviced Companion Loan Master Servicer pursuant to the Non-Serviced Companion Loan PSA.

“Appraised Value” means, for any mortgaged real property securing an underlying mortgage loan, the “as-is” value estimate reflected in the most recent appraisal obtained by or otherwise in the possession of the mortgage loan seller, except as described on Exhibit A-1 and/or the related footnotes as to any underlying mortgage loan with an “as-stabilized” value, which value is estimated assuming satisfaction of projected re-tenanting or increased tenant occupancy conditions.

In general, the amount of costs assumed by the appraiser for these purposes is based on—

- (i) an estimate by the individual appraiser;
- (ii) an estimate by the related borrower;
- (iii) the estimate set forth in the property condition assessment conducted in connection with the origination of the related underlying mortgage loan; or
- (iv) a combination of these estimates.

“Approved Directing Certificateholder” has the meaning assigned to such term under “The Pooling and Servicing Agreement—Realization Upon Mortgage Loans—Directing Certificateholder” in this information circular.

“Approved Directing Certificateholder Criteria” has the meaning assigned to such term under “The Pooling and Servicing Agreement—Realization Upon Mortgage Loans—Directing Certificateholder” in this information circular.

“Asset Status Report” means the report designated as such and described under, “The Pooling and Servicing Agreement—Realization Upon Mortgage Loans—Asset Status Report” in this information circular.

“Assumed Final Distribution Date” means, with respect to any class of certificates, the date set forth for such class in the table on page 5.

“Available Distribution Amount” means, with respect to each distribution date, amounts on deposit in the distribution account available to make distributions on the certificates on that date, generally equal to (i) the sum of (a) the aggregate amount received on or with respect to the underlying mortgage loans and any related REO Properties (and in the case of the Non-Serviced Loan and any related REO Property, only to the extent received by the issuing entity pursuant to the Co-Lender Agreement and the Non-Serviced Companion Loan PSA) on or prior to the related determination date, (b) the aggregate amount of revenues and other proceeds derived from REO Properties (net of amounts necessary for the proper operation, management, leasing, maintenance and disposition of such REO Properties) for such distribution date, (c) the aggregate amount of any P&I Advances, which P&I Advances will not include any master servicing fees, sub-servicing fees, master servicer surveillance fees and special servicer surveillance fees, made by the master servicer and/or the trustee, as applicable, for such distribution date, (d) any payments made by the master servicer to cover Prepayment Interest Shortfalls incurred during the related Collection Period and (e) excess liquidation proceeds (but only to the extent that the Available Distribution Amount for such distribution date would be less than the amount distributable to the certificateholders on such distribution date) minus (ii)(a) all collected monthly payments due after the end of the related Collection Period, (b) all amounts payable or reimbursable from the collection account and the distribution account pursuant to the terms of the Pooling and Servicing Agreement for the payment of certain expenses, fees and indemnities, (c) all Static Prepayment Premiums, (d) all amounts deposited in the collection account in error, (e) any net interest or net investment income on funds in the collection account, any REO account or Permitted Investments, (f) excess liquidation proceeds and (g) with respect to the first distribution date only, the Retained Interest Amount.

The certificate administrator will apply the Available Distribution Amount as described under “Description of the Certificates—Distributions” in this information circular to pay principal and accrued interest on the certificates on that date.

“B-Piece Buyer” means the anticipated initial investor in the class CS certificates.

“Balloon Guarantor Payment” means, with respect to each distribution date and the class AS certificates, the amount of additional principal that would have been distributed to the class AS certificates if the Principal Distribution Amount had been increased by an amount equal to the aggregate amount of the Stated Principal Balance of each Balloon Loan that reached its scheduled maturity date (without giving effect to any acceleration of principal of such Balloon Loan by reason of a default and without regard to any grace period permitted by the related note or any modifications, waivers or amendments granted by the master servicer or the special servicer after the Closing Date) during the related Collection Period but as to which the related borrower failed to pay the entire outstanding principal balance of the Balloon Loan, including the balloon payment by the end of such Collection Period (and as to which no final recovery determination has been made prior to its scheduled maturity date); such aggregate amount not to exceed the outstanding principal balance of the class AS certificates, as reduced by the Principal Distribution Amount to be applied in reduction of the outstanding principal balance of the class AS certificates on such distribution date.

“Balloon Loan” means any underlying mortgage loan if its principal balance is not scheduled to be fully amortized by the underlying mortgage loan’s scheduled maturity date and thus requires a payment at such scheduled maturity date larger than the regular monthly debt service payment due on such underlying mortgage loan.

“Bankruptcy Code” means Title 11 of the United States Code, as amended.

“Basis Risk Contract” means a contract identified as such and described under “Certain Federal Income Tax Consequences—General” in this information circular.

“Berkadia” means Berkadia Commercial Mortgage LLC, a Delaware limited liability company, and its successors-in-interest.

“Business Day” means any day other than a Saturday, a Sunday or any day on which banking institutions in the City and State of New York, the Commonwealth of Pennsylvania, the State of Kansas, the State of Ohio, the State of North Carolina, the Commonwealth of Virginia or in the cities in which the principal offices of Freddie Mac, the certificate administrator, the custodian, the master servicer or the special servicer are located or the city in which the corporate trust office of the trustee is located, are authorized or obligated by law, executive order or governmental decree to remain closed.

“Buy-Sell Transfer” means a transfer of a limited liability company manager’s or general partner’s right to control the borrower and/or such person’s ownership interest in the borrower to a person named in the loan agreement at origination as a buy-sell equity investor.

“Calculation Agent” means, for so long as any of the certificates remain outstanding, an agent appointed to determine the value of SOFR (or the Alternate Index, if applicable) in respect of each Interest Accrual Period for the certificates. The certificate administrator will be the initial Calculation Agent for purposes of determining the value of SOFR (or the Alternate Index, if applicable) for each Interest Accrual Period for the certificates.

“CDC” means the Centers for Disease Control and Prevention.

“CDC Covered Person” has the meaning assigned to such term under “Risk Factors—Risks Related to the Underlying Mortgage Loans— Due to COVID-19, Borrowers May Obtain Forbearance on Their Underlying Mortgage Loans, and May be Unable to Resume Making Payments on their Underlying Mortgage Loans at the End of the Forbearance Period, Which Could Reduce Payments Received by the Issuing Entity” in this information circular.

“CERCLA” means the Comprehensive Environmental Response, Compensation, and Liability Act of 1980, as amended.

“Certificate Administrator/Custodian Aggregate Annual Cap” means \$300,000 per calendar year in the aggregate with respect to the certificate administrator and the custodian.

“Certificate Index Conversion Date” means the date specified in the Certificate Index Conversion Notice delivered in connection with the initial occurrence of a Certificate Index Conversion Event.

“Certificate Index Conversion Event” has the meaning assigned to such term under “Description of the Certificates—Distributions—Calculation of Pass-Through Rates” in this information circular.

“Certificate Index Conversion Notice” has the meaning assigned to such term under “Description of the Certificates—Distributions—Calculation of Pass-Through Rates” in this information circular.

“Certificateholder” or “Holder” has the meaning assigned to such term under “Certain Federal Income Tax Consequences—General” in this information circular.

“Citibank” means Citibank, N.A., a national banking association, and its successors-in-interest.

“Class Final Guarantor Payment” means any payment made by the Guarantor in respect of clause (iv) of the definition of Deficiency Amount.

“Class XS Interest Accrual Amount” means, for each distribution date, an amount equal to interest accrued during the related Interest Accrual Period on the notional amount of the class XS certificates immediately prior to such distribution date at the Class XS Pass-Through Rate, minus any Net Aggregate Prepayment Interest Shortfalls allocated to the class XS certificates. The Class XS Interest Accrual Amount will be calculated on an Actual/360 Basis.

“Class XS Interest Distribution Amount” has the meaning assigned to such term under “Description of the Certificates—Distributions—Interest Distributions” in this information circular.

“Class XS Pass-Through Rate” has the meaning assigned to such term under “Summary of Information Circular—Transaction Overview” in this information circular.

“Class XS Strip Rates” has the meaning assigned to such term under “Description of the Certificates—Distributions—Calculation of Pass-Through Rates” in this information circular.

“Closing Date” means the date of initial issuance for the certificates, which will be on or about July 29, 2021.

“CMBS” means commercial and multifamily mortgage-backed securities.

“Code” means the Internal Revenue Code of 1986, as amended.

“Co-Lender Agreement” means the co-lender agreement, dated as of April 23, 2021, between Freddie Mac, as the initial holder of the Non-Serviced Companion Loan, and Freddie Mac, as the initial holder of the Non-Serviced Loan, relating to the relative rights of such holders of the Non-Serviced Whole Loan, as may be amended from time to time.

“Collection Period” means, with respect to each distribution date for the certificates, the related period commencing immediately following the determination date in the calendar month preceding the month in which such distribution date occurs and ending on and including the determination date in the calendar month in which such distribution date occurs, or, with respect to the first distribution date for the certificates, the period commencing on the Cut-off Date and ending on and including the determination date in August 2021.

“Companion Loan” means the Non-Serviced Companion Loan.

“Compounded SOFR” has the meaning assigned to such term under “Description of the Underlying Mortgage Loans—Certain Terms and Conditions of the Underlying Mortgage Loans—Mortgage Interest Rates; Calculations of Interest” in this information circular.

“Condemnation Prepayment Premium” has the meaning assigned to such term under “Description of the Underlying Mortgage Loans—Certain Terms and Conditions of the Underlying Mortgage Loans—Prepayment Provisions—Casualty and Condemnation” in this information circular.

“Consent Actions” has the meaning assigned to such term under “The Pooling and Servicing Agreement—Realization Upon Mortgage Loans—Asset Status Report” in this information circular.

“Conservator” means FHFA, in its capacity as Freddie Mac’s conservator.

“Controlling Class” has the meaning assigned to such term under “The Pooling and Servicing Agreement—Realization Upon Mortgage Loans—Directing Certificateholder” in this information circular.

“Controlling Class Majority Holder” has the meaning assigned to such term under “The Pooling and Servicing Agreement—Realization Upon Mortgage Loans—Directing Certificateholder” in this information circular.

“Controlling Class Majority Holder Rights” has the meaning assigned to such term under “The Pooling and Servicing Agreement—Realization Upon Mortgage Loans—Directing Certificateholder” in this information circular.

“Corrected Mortgage Loan” means any Specially Serviced Mortgage Loan that has become a performing mortgage loan, in accordance with its original term or as modified in accordance with the Pooling and Servicing Agreement, for three consecutive monthly payments and that no other Servicing Transfer Event is continuing with respect to such Specially Serviced Mortgage Loan and the servicing of which has been returned to the master servicer; *provided* that no additional Servicing Transfer Event is foreseeable in the reasonable judgment of the special servicer.

“Cost Approach” means the determination of the value of a mortgaged real property arrived at by adding the estimated value of the land to an estimate of the current replacement cost of the improvements, and then subtracting depreciation from all sources.

“Covered Period” has the meaning assigned to such term under “Risk Factors—Risks Related to the Underlying Mortgage Loans— Due to COVID-19, Borrowers May Obtain Forbearance on Their Underlying Mortgage Loans, and May be Unable to Resume Making Payments on their Underlying Mortgage Loans at the End of the Forbearance Period, Which Could Reduce Payments Received by the Issuing Entity” in this information circular.

“COVID-19 Debt Service Reserve” has the meaning assigned to such term under “Description of the Underlying Mortgage Loans—Certain Terms and Conditions of the Underlying Mortgage Loans—Escrow and Reserve Accounts” in this information circular.

“CPR” means an assumed constant rate of prepayment each month, which is expressed on a *per annum* basis, relative to the then-outstanding principal balance of a pool of mortgage loans for the life of those loans. The CPR model is the prepayment model that we use in this information circular.

“CREFC®” means the Commercial Real Estate Finance Council, an international trade organization for the commercial real estate capital markets.

“CREFC® Intellectual Property Royalty License Fee” means, with respect to each underlying mortgage loan, the monthly fee to be paid to CREFC® pursuant to the Pooling and Servicing Agreement in an amount equal to the product of (i) the CREFC® Intellectual Property Royalty License Fee Rate multiplied by (ii) the Stated Principal Balance of such underlying mortgage loan (calculated using the same interest accrual basis as such underlying mortgage loan).

“CREFC® Intellectual Property Royalty License Fee Rate” means the CREFC® Intellectual Property Royalty License Fee rate set forth in “Description of the Certificates—Fees and Expenses” in this information circular.

“CREFC Investor Reporting Package®” means:

- (i) the following seven electronic files: (a) CREFC® Loan Setup File, (b) CREFC® Loan Periodic Update File, (c) CREFC® Property File, (d) CREFC® Bond Level File, (e) CREFC® Financial File, (f) CREFC® Collateral Summary File and (g) CREFC® Special Servicer Loan File;
- (ii) the following 11 supplemental reports: (a) CREFC® Delinquent Loan Status Report, (b) CREFC® Historical Loan Modification/Forbearance and Corrected Mortgage Loan Report, (c) CREFC® Historical Liquidation Loss Report, (d) CREFC® REO Status Report, (e) CREFC® Loan Level Reserve/LOC Report, (f) CREFC® Comparative Financial Status Report, (g) CREFC® Servicer Watchlist, (h) CREFC® Operating Statement Analysis Report, (i) CREFC® NOI Adjustment Worksheet, (j) CREFC® Reconciliation of Funds Report and (k) the CREFC® Advance Recovery Report; and
- (iii) such other reports as CREFC® may designate as part of the “CREFC Investor Reporting Package®” from time to time generally; or
- (iv) in lieu of (i), (ii) and (iii), such new CREFC Investor Reporting Package® as published by the CREFC® and consented to by the Approved Directing Certificateholder (if any), Freddie Mac and the master servicer.

“Crossed Loan Group” has the meaning assigned to such term under “Description of the Underlying Mortgage Loans—General” in this information circular.

“Crossed Mortgage Loan Repurchase Criteria” has the meaning assigned to such term under “Description of the Underlying Mortgage Loans—Cures, Repurchases and Substitutions” in this information circular.

“Cut-off Date” has the meaning assigned to such term under “Summary of Information Circular—Transaction Overview” in this information circular.

“Cut-off Date Balance/Unit” means,

- with respect to any underlying mortgage loan and any related Non-Serviced Companion Loan, other than an underlying mortgage loan referred to in the following bullet point, the ratio of—
  1. the Cut-off Date Principal Balance of such underlying mortgage loan and any related Non-Serviced Companion Loan, to
  2. the Total Units at the related mortgaged real property; and

- with respect to any underlying mortgage loan that is secured by multiple mortgaged real properties through cross-collateralization, the ratio of—
  1. the aggregate Cut-off Date Principal Balance of such underlying mortgage loan and all other underlying mortgage loans with which it is cross-collateralized, to
  2. the sum of the Total Units at all of the related mortgaged real properties.

“Cut-off Date Loan-to-Value Ratio” or “Cut-off Date LTV” means,

- with respect to any underlying mortgage loan and any related Non-Serviced Companion Loan, other than an underlying mortgage loan referred to in the following bullet point, the ratio of—
  1. the Cut-off Date Principal Balance of such underlying mortgage loan and any related Non-Serviced Companion Loan, to
  2. the most recent Appraised Value of the related mortgaged real property; and
- with respect to any underlying mortgage loan that is secured by multiple mortgaged real properties through cross-collateralization, the weighted average of, for such underlying mortgage loan and all other underlying mortgage loans with which it is cross-collateralized, the ratios of—
  1. the Cut-off Date Principal Balance of such underlying mortgage loan, to
  2. the most recent Appraised Value of the related mortgaged real property,

in each case, weighted based on the Cut-off Date Principal Balance for such underlying mortgage loan relative to the aggregate Cut-off Date Principal Balance of it and all other underlying mortgage loans with which it is cross-collateralized.

“Cut-off Date Principal Balance” or “Cut-off Date Loan Amount” means, with respect to any underlying mortgage loan, the outstanding principal balance of such underlying mortgage loan as of the Cut-off Date.

“DBRS Morningstar” means DBRS, Inc., and its successors-in-interest.

“DCH Pre-Approval” has the meaning assigned to such term under “The Pooling and Servicing Agreement—Realization Upon Mortgage Loans—Directing Certificateholder” in this information circular.

“Default Interest” means, with respect to any underlying mortgage loan or REO Loan, any amounts collected on such underlying mortgage loan or REO Loan, other than late payment charges or prepayment consideration, that represent interest in excess of interest accrued on the outstanding principal balance of such underlying mortgage loan or REO Loan at the related mortgage interest rate, such excess interest arising out of a default on such underlying mortgage loan or REO Loan.

“Defaulted Crossed Loan” has the meaning assigned to such term under “The Pooling and Servicing Agreement—Realization Upon Mortgage Loans—Purchase Option” in this information circular.

“Defaulted First Lien Loan” has the meaning assigned to such term under “The Pooling and Servicing Agreement—Realization Upon Mortgage Loans—Purchase Option” in this information circular.

“Defaulted Loan” means any underlying mortgage loan (a) that is at least 60 days delinquent in respect of its monthly payments, without giving effect to any grace period permitted by the related mortgage, loan agreement or mortgage note, (b) that is delinquent in respect of its balloon payment, if any, without giving effect to any grace period permitted by the related mortgage, loan agreement or mortgage note; *provided, however*, that if a Servicing Transfer Event has not occurred with respect to such underlying mortgage loan due to the exception set forth in clause (i) of the definition of Servicing Transfer Event, then such underlying mortgage loan will not be considered a Defaulted Loan unless and until the earlier of (x) such balloon payment being delinquent at least 60 days (or 120 days if the initial 60-day period was extended in accordance with clause (i) of the definition of Servicing Transfer Event) or (y) a Servicing Transfer Event occurring with respect to such underlying mortgage loan or (c) as to which

any non-monetary event of default has occurred that results in such underlying mortgage loan becoming a Specially Serviced Mortgage Loan, *provided, however*, that no monthly payment (other than a balloon payment) will be deemed delinquent if less than \$10 of all amounts due and payable on such underlying mortgage loan has not been received. For the avoidance of doubt, a defaulted Non-Serviced Companion Loan is not a Defaulted Loan.

“Defaulted Loan Fair Value Purchase Price” has the meaning assigned to such term under “The Pooling and Servicing Agreement—Realization Upon Mortgage Loans—Purchase Option” in this information circular.

“Deficiency Amount” means, with respect to each distribution date and any class of Guaranteed Certificates, the sum of:

- (i) the amount, if any, by which (a) with respect to the class AS certificates, the interest payable on such class, and (b) with respect to the class XS certificates, the Class XS Interest Distribution Amount, in each case, exceeds the amount of interest actually distributed to the holders of such Guaranteed Certificates on such distribution date;
- (ii) any Balloon Guarantor Payment for such class;
- (iii) the amount, if any, of Realized Losses (including those resulting from Additional Issuing Entity Expenses) allocated to the class AS certificates; and
- (iv) on the Assumed Final Distribution Date for the class AS certificates, the outstanding principal balance of such class on such Assumed Final Distribution Date (after giving effect to all amounts distributable and allocable to principal on such class but prior to giving effect to any Guarantor Payment including any Balloon Guarantor Payment for such class on such Assumed Final Distribution Date).

“Depositor Aggregate Annual Cap” means \$300,000 per calendar year.

“Designated Entity for Transfers” means, with respect to each underlying mortgage loan and the Non-Serviced Companion Loan, any person identified as such in the related loan agreement at origination.

“Directing Certificateholder Approval Period” has the meaning assigned to such term under “The Pooling and Servicing Agreement—Realization Upon Mortgage Loans—Directing Certificateholder” in this information circular.

“Directing Certificateholder Increased Offer Notice Period” has the meaning assigned to such term under “The Pooling and Servicing Agreement—Realization Upon Mortgage Loans—Purchase Option” in this information circular.

“Directing Certificateholder Notice” has the meaning assigned to such term under “The Pooling and Servicing Agreement—Realization Upon Mortgage Loans—Directing Certificateholder” in this information circular.

“Directing Certificateholder Servicing Consultant” has the meaning assigned to such term under “Summary of Information Circular—Relevant Parties/Entities—Special Servicer” in this information circular.

“Due Diligence Requirements” has the meaning assigned to such term under “Risk Factors—General Risk Factors—Legal and Regulatory Provisions Affecting Investors Could Adversely Affect the Liquidity of Your Investment” in this information circular.

“Dodd-Frank Act” means the Dodd-Frank Wall Street Reform and Consumer Protection Act.

“E&O Insurance” has the meaning assigned to such term under “The Pooling and Servicing Agreement—Liability of the Servicers” in this information circular.

“ESA” means an environmental site assessment.

“Estimated Annual Operating Expenses” means, for each of the mortgaged real properties securing an underlying mortgage loan, the historical annual operating expenses for the mortgaged real property, adjusted upward or downward, as appropriate, to reflect, among other things, any expense modifications made as discussed below.

For purposes of calculating the Estimated Annual Operating Expenses for any mortgaged real property securing an underlying mortgage loan:

- (i) the “historical annual operating expenses” for that mortgaged real property normally consist of historical expenses that were generally obtained/estimated—
  - (a) from operating statements relating to a complete fiscal year of the borrower for the prior three calendar years or a trailing 12-month period ended in one such year,
  - (b) by annualizing the most recent partial calendar year amount of operating expenses for which operating statements were available, with adjustments for some items deemed inappropriate for annualization,
  - (c) by calculating a stabilized estimate of operating expenses which takes into consideration historical financial statements and material changes in the operating position of the property, such as newly signed leases and market data, or
  - (d) if the property was recently constructed, by calculating an estimate of operating expenses based on the appraisal of the property or market data; and
- (ii) the “expense modifications” made to the historical annual operating expenses for that mortgaged real property often include—
  - (a) assuming, in most cases, that a management fee, equal to approximately 2.5% to 5.0% of total revenues, was payable to the property manager,
  - (b) adjusting historical expense items upwards or downwards to reflect inflation and/or industry norms for the particular type of property,
  - (c) the underwritten recurring replacement reserve amounts, and
  - (d) adjusting historical expenses downwards by eliminating various items which are considered non-recurring in nature or which are considered capital improvements, including recurring capital improvements.

The amounts of any underwritten recurring replacement reserve amounts and/or underwritten leasing commissions and tenant improvements for each of the mortgaged real properties securing an underlying mortgage loan are shown in the columns titled “Engineering Reserve/Deferred Maintenance” and “Replacement Reserve (Monthly)” on Exhibit A-1.

By way of example, Estimated Annual Operating Expenses generally include—

- (i) salaries and wages;
- (ii) the costs or fees of—
  - (a) utilities,
  - (b) repairs and maintenance,
  - (c) replacement reserves,
  - (d) marketing,
  - (e) insurance,
  - (f) management,
  - (g) landscaping, and/or
  - (h) security, if provided at the property; and
- (iii) the amount of taxes, general and administrative expenses and other costs.

Estimated Annual Operating Expenses generally do not reflect, however, any deductions for debt service, depreciation and amortization or capital expenditures or reserves for any of those items, except as described above.

Estimated Annual Operating Expenses for each mortgaged real property are calculated on the basis of numerous assumptions and subjective judgments, which, if ultimately proven erroneous, could cause the actual operating expenses for such mortgaged real property to differ materially from the Estimated Annual Operating Expenses set forth in this information circular. Some assumptions and subjective judgments relate to future events, conditions and circumstances, including future expense levels, which will be affected by a variety of complex factors over which none of the depositor, the mortgage loan seller, the master servicer, the special servicer, the certificate administrator or the trustee have control. In some cases, the Estimated Annual Operating Expenses for any mortgaged real property are lower, and may be materially lower, than the annual operating expenses for that mortgaged real property based on historical operating statements. In determining the Estimated Annual Operating Expenses for a mortgaged real property, the mortgage loan seller in most cases relied on generally unaudited financial information provided by the related borrower. No assurance can be given with respect to the accuracy of the information provided by any borrower, or the adequacy of any procedures used by the mortgage loan seller in determining the Estimated Annual Operating Expenses.

“Estimated Annual Revenues” generally means, for each of the mortgaged real properties securing an underlying mortgage loan, the base estimated annual revenues for the mortgaged real property, adjusted upward or downward, as appropriate, to reflect any revenue modifications made as discussed below.

For purposes of calculating the Estimated Annual Revenues for any mortgaged real property securing an underlying mortgage loan:

- (i) the “base estimated annual revenues” for that mortgaged real property were generally assumed to equal the annualized amounts of gross potential rents; and
- (ii) the “revenue modifications” made to the base estimated annual revenues for that mortgaged real property often include—
  - (a) adjusting the revenues downwards by applying a combined vacancy and rent loss, including concessions, adjustment that reflected then current occupancy or, in some cases, a stabilized occupancy or, in some cases, an occupancy that was itself adjusted for historical trends or market rates of occupancy with consideration to competitive properties,
  - (b) adjusting the revenues upwards to reflect, in the case of some tenants, increases in base rents scheduled to occur during the following 12 months,
  - (c) adjusting the revenues upwards for estimated income consisting of, among other items, late fees, laundry income, application fees, cable television fees, storage charges, electrical pass throughs, pet charges, janitorial services, furniture rental and parking fees, and
  - (d) adjusting the revenues downwards in some instances where rental rates were determined to be significantly above market rates and the subject space was then currently leased to tenants that did not have long-term leases or were believed to be unlikely to renew their leases.

Estimated Annual Revenues for each mortgaged real property are calculated on the basis of numerous assumptions and subjective judgments, which, if ultimately proven erroneous, could cause the actual revenues for such mortgaged real property to differ materially from the Estimated Annual Revenues set forth in this information circular. Some assumptions and subjective judgments relate to future events, conditions and circumstances, including the re-leasing of vacant space and the continued leasing of occupied spaces, which will be affected by a variety of complex factors over which none of the depositor, the mortgage loan seller, the master servicer, the special servicer, the certificate administrator or the trustee have control. In some cases, the Estimated Annual Revenues for any mortgaged real property are higher, and may be materially higher, than the annual revenues for that mortgaged real property based on historical operating statements. In determining the Estimated Annual Revenues for a mortgaged real property, the mortgage loan seller in most cases relied on rent rolls and/or generally unaudited financial information provided by the related borrower. No assurance can be given with respect to the accuracy of the information provided by any borrower, or the adequacy of any procedures used by the mortgage loan seller in determining the Estimated Annual Revenues.

“EU Securitization Regulation” has the meaning assigned to such term under “Risk Factors—General Risk Factors—Legal and Regulatory Provisions Affecting Investors Could Adversely Affect the Liquidity of Your Investment” in this information circular.

“Exchange Act” means the Securities Exchange Act of 1934, as amended.

“Excluded Specially Serviced Mortgage Loan” means any Specially Serviced Mortgage Loan for which all of the following conditions are satisfied:

- (i) it has not been a Specially Serviced Mortgage Loan for more than one distribution date;
- (ii) it is a Specially Serviced Mortgage Loan solely due to the occurrence of an event described in clause (v) or (vi) of the definition of Servicing Transfer Event below; and
- (iii) the borrower under the Specially Serviced Mortgage Loan has not failed to make any monthly payment in full since the underlying mortgage loan became a Specially Serviced Mortgage Loan.

For the avoidance of doubt, a Specially Serviced Mortgage Loan will cease to be an Excluded Specially Serviced Mortgage Loan no later than the day immediately following the first distribution date to occur after such loan became an Excluded Specially Serviced Mortgage Loan.

“Extension Expense” means an amount, payable by the borrower pursuant to the terms of the related forbearance agreement amendment, equal to interest on the applicable amount of principal and interest forborne for the related forbearance accrued at the Prime Rate, accrued on an Actual/360 Basis, as set forth in the applicable forbearance agreement amendment that is entered into in accordance with the “*Freddie Mac Servicing Standard—Properties Affected by Coronavirus—2020-Forbearance Option—Additional Relief Guidance for Primary Servicers, dated June 28, 2020,*” as further described in “Risk Factors—Risks Related to the Underlying Mortgage Loans—World Events and Natural Disasters Could Adversely Impact the Mortgaged Real Properties and Could Reduce the Cash Flow Available to Make Payments on the Offered Certificates” in this information circular.

“Fair Value” means the amount that, in the special servicer’s judgment, exercised in accordance with the Servicing Standard, and taking into account the factors specified in the Pooling and Servicing Agreement, is the fair value of a Defaulted Loan.

“Fair Value Notice” has the meaning assigned to such term under “The Pooling and Servicing Agreement—Realization Upon Mortgage Loans—Purchase Option” in this information circular.

“Fair Value Purchase Notice” has the meaning assigned to such term under “The Pooling and Servicing Agreement—Realization Upon Mortgage Loans—Purchase Option” in this information circular.

“Fannie Mae” means the Federal National Mortgage Association.

“FHFA” means the Federal Housing Finance Agency.

“Fidelity Insurance” has the meaning assigned to such term under “The Pooling and Servicing Agreement—Liability of the Servicers” in this information circular.

“First Additional Period Guidance” has the meaning assigned to such term under “Risk Factors—Risks Related to the Underlying Mortgage Loans—Due to COVID-19, Borrowers May Obtain Forbearance on Their Underlying Mortgage Loans, and May be Unable to Resume Making Payments on their Underlying Mortgage Loans at the End of the Forbearance Period, Which Could Reduce Payments Received by the Issuing Entity” in this information circular.

“First Offeror” has the meaning assigned to such term under “The Pooling and Servicing Agreement—Realization Upon Mortgage Loans—Purchase Option” in this information circular.

“Fitch” means Fitch Ratings, Inc., and its successors-in-interest.

“Forbearance Period Extension” has the meaning assigned to such term under “Risk Factors—Risks Related to the Underlying Mortgage Loans—Due to COVID-19, Borrowers May Obtain Forbearance on Their Underlying Mortgage Loans, and May be Unable to Resume Making Payments on their Underlying Mortgage Loans at the End of the Forbearance Period, Which Could Reduce Payments Received by the Issuing Entity” in this information circular.

“Fourth Additional Period Guidance” has the meaning assigned to such term under “Risk Factors—Risks Related to the Underlying Mortgage Loans—Due to COVID-19, Borrowers May Obtain Forbearance on Their Underlying Mortgage Loans, and May be Unable to Resume Making Payments on their Underlying Mortgage Loans at the End of the Forbearance Period, Which Could Reduce Payments Received by the Issuing Entity” in this information circular.

“FRB” means the Board of Governors of the Federal Reserve System.

“Freddie Mac” means Federal Home Loan Mortgage Corporation, a corporate instrumentality of the United States created and existing under Title III of the Emergency Home Finance Act of 1970, as amended, or any successor to it (“FHLMC”), or certain of its affiliates, if any, who assume certain obligations or are assigned certain rights under the Pooling and Servicing Agreement, as described under “Description of the Mortgage Loan Seller and Guarantor—Proposed Operation of Multifamily Mortgage Business on a Stand-Alone Basis” in this information circular; *provided, however*, that “Freddie Mac” means FHLMC with respect to its obligations as (i) mortgage loan seller pursuant to the mortgage loan purchase agreement and the Pooling and Servicing Agreement and (ii) Guarantor pursuant to the Freddie Mac Guarantee.

“Freddie Mac Act” means Title III of the Emergency Home Finance Act of 1970, as amended.

“Freddie Mac Filed Documents” means, collectively, (1) Freddie Mac’s most recent Annual Report on Form 10-K filed with the SEC, (2) all other reports Freddie Mac has filed with the SEC pursuant to Section 13(a) of the Exchange Act since the end of the year covered by that Form 10-K report, excluding any information Freddie Mac “furnishes” to the SEC on Form 8-K and (3) all documents that Freddie Mac files with the SEC pursuant to Section 13(a), 13(c) or 14 of the Exchange Act after the date of this information circular and prior to the termination of the offering of the certificates, excluding any information Freddie Mac “furnishes” to the SEC on Form 8-K. The Freddie Mac Filed Documents are available on the Investor Relations page of Freddie Mac’s website at [www.freddiemac.com/investors](http://www.freddiemac.com/investors) and the SEC’s website at [www.sec.gov](http://www.sec.gov), but are not made part of, or incorporated by reference in, this information circular.

“Freddie Mac Guarantee” means obligations of the Guarantor as described under “Description of the Certificates—Distributions—Freddie Mac Guarantee” in this information circular.

“Freddie Mac Increased Offer Notice” has the meaning assigned to such term under “The Pooling and Servicing Agreement—Realization Upon Mortgage Loans—Purchase Option” in this information circular.

“Freddie Mac Increased Offer Notice Period” has the meaning assigned to such term under “The Pooling and Servicing Agreement—Realization Upon Mortgage Loans—Purchase Option” in this information circular.

“Freddie Mac Servicing Practices” means, with regard to the servicing of the underlying mortgage loans and/or REO Properties by the master servicer, any sub-servicer or the special servicer, and only to the extent such practices have been made available or communicated in writing by Freddie Mac to the master servicer, such sub-servicer or the special servicer, as applicable, servicing and administering the underlying mortgage loans and/or REO Properties in the same manner in which, and with the same care, skill, prudence and diligence with which, Freddie Mac services and administers multifamily mortgage loans owned by it, which will include, without limitation, servicing and administering the underlying mortgage loans and/or REO Properties in accordance with the Guide and any Freddie Mac written policies, procedures or other communications made available in writing by Freddie Mac to the master servicer, such sub-servicer or special servicer, as applicable, including written communications from Freddie Mac as servicing consultant, pursuant to the Pooling and Servicing Agreement.

“GAAP” means generally accepted accounting principles.

“Grantor Trust” means the portion of the trust fund exclusive of the Trust REMICs constituting a “grantor trust” under subpart E, part I, subchapter J, chapter 1 of subtitle A of the Code.

“Guarantee Fee” means, for each distribution date and with respect to the Guaranteed Certificates, the fee payable to the Guarantor in respect of its services as Guarantor, which fee accrues at the Guarantee Fee Rate on a balance equal to the outstanding principal balance of the class AS certificates immediately prior to such distribution date. The Guarantee Fee will accrue on an Actual/360 Basis and will be based on the number of days in the related Interest Accrual Period for the Guaranteed Certificates.

“Guarantee Fee Rate” means the guarantee fee rate set forth in “Description of the Certificates—Fees and Expenses” in this information circular.

“Guaranteed Certificates” means the class AS and XS certificates.

“Guarantor” means Freddie Mac, in its capacity as the guarantor of the Guaranteed Certificates.

“Guarantor Payment” means any payment made by the Guarantor in respect of a Deficiency Amount.

“Guarantor Reimbursement Amount” means, with respect to each distribution date and any class of Guaranteed Certificates, the sum of all amounts paid by the Guarantor in respect of Deficiency Amounts for such class of Guaranteed Certificates on such distribution date and on all prior distribution dates, to the extent not previously reimbursed (including from collections in respect of any underlying mortgage loan on which a Balloon Guarantor Payment was made).

“Guarantor Reimbursement Interest Amount” means, with respect to each distribution date and any class of Guaranteed Certificates, interest on any Guarantor Reimbursement Amount (other than a Timing Guarantor Payment) for such class of Guaranteed Certificates at a *per annum* rate for each day (calculated on a daily basis) equal to the Prime Rate for such day plus 2.00%, calculated on an Actual/360 Basis.

“Guarantor Timing Reimbursement Amount” means, with respect to each distribution date and the class AS certificates, the portion of any Guarantor Reimbursement Amount related to any Timing Guarantor Payment for the class AS certificates, together with any related Timing Guarantor Interest.

“Guidance” has the meaning assigned to such term under “Risk Factors—Risks Related to the Underlying Mortgage Loans—Due to COVID-19, Borrowers May Obtain Forbearance on Their Underlying Mortgage Loans, and May be Unable to Resume Making Payments on their Underlying Mortgage Loans at the End of the Forbearance Period, Which Could Reduce Payments Received by the Issuing Entity” in this information circular.

“Guide” means the Freddie Mac Multifamily Seller/Servicer Guide, as amended or supplemented from time to time. To the extent the Freddie Mac Multifamily Seller/Servicer Guide is no longer published by Freddie Mac, either directly or indirectly, “Guide” will refer to any successor guide as prescribed by Freddie Mac, which will be provided by Freddie Mac upon request if not otherwise reasonably accessible to the parties to the Pooling and Servicing Agreement; *provided, however*, that in the event that no successor guide is prescribed by Freddie Mac within 90 days of the date on which the Freddie Mac Multifamily Seller/Servicer Guide is no longer published by Freddie Mac, all references to the “Guide” in the Pooling and Servicing Agreement will be disregarded and the Guide will no longer be applicable. For purposes of the Pooling and Servicing Agreement, the term “Guide” will not include any forms referenced in the Freddie Mac Multifamily Seller/Servicer Guide. Such forms will be applicable at the option of the master servicer, the special servicer or any sub-servicer.

“Harbor Loans” means the underlying mortgage loans secured by mortgaged real properties identified on Exhibit A-1 as:

<u>Property Name</u>	<u>% of Initial Mortgage Pool Balance</u>
Thymewood.....	1.7%
Astorwood.....	0.8%
Dogwood Glen.....	0.8%
Rivers End.....	0.8%
Apple Ridge.....	0.7%
Ridgewood Court.....	0.7%
Palm Place.....	0.7%
Summit Center.....	0.6%
Ridgewood - Indiana.....	0.6%
Pine Barrens.....	0.6%
Heathmoore - Indianapolis.....	0.6%
Amhurst.....	0.5%
Elmtree Park.....	0.5%
Sherbrook.....	0.5%
Windrush.....	0.4%
Willowood.....	0.4%
Pine Meadows.....	0.4%
Meadowood.....	0.4%
Heronwood.....	0.4%
Bridgepoint.....	0.4%
Waterbury.....	0.4%
Lindendale.....	0.4%
Mulberry.....	0.3%
Willow Run.....	0.3%
Stonehenge.....	0.3%
Princeton Court.....	0.2%
Charing Cross.....	0.2%
Parkville.....	0.2%
Northwood.....	0.2%
Hartwick.....	0.1%
<b>Total.....</b>	<b>14.9%</b>

“Home Sharing” has the meaning assigned to such term under “Risk Factors—Risks Related to the Underlying Mortgage Loans—Repayment of Each Underlying Mortgage Loan Depends on the Economic Performance of the Related Mortgaged Real Property, Unlike Single-Family Residential Loans” in this information circular.

“Home Sharing Master Lease” has the meaning assigned to such term under “Risk Factors—Risks Related to the Underlying Mortgage Loans—Repayment of Each Underlying Mortgage Loan Depends on the Economic Performance of the Related Mortgaged Real Property, Unlike Single-Family Residential Loans” in this information circular.

“HUD” means the United States Department of Housing and Urban Development.

“IBA” means ICE Benchmark Administration Limited, or any successor to it.

“Impact Affordable Loans” has the meaning assigned to such term under “Description of the Underlying Mortgage Loans—Certain Terms and Conditions of the Underlying Mortgage Loans—Impact Affordable Loans” in this information circular.

“Income Approach” means the determination of the value of a mortgaged real property by using the discounted cash flow method of valuation or by the direct capitalization method. The discounted cash flow analysis is used in order to measure the return on a real estate investment and to determine the present value of the future income stream expected to be generated by the mortgaged real property. The future income of the mortgaged real property, as projected over an anticipated holding period, and the resulting net operating incomes or cash flows are then

discounted to present value using an appropriate discount rate. The direct capitalization method generally converts an estimate of a single year's income expectancy, or, in some cases, a hypothetical stabilized single year's income expectancy, into an indication of value by dividing the income estimate by an appropriate capitalization rate. An applicable capitalization method and appropriate capitalization rates are developed for use in computations that lead to an indication of value. In utilizing the Income Approach, the appraiser's method of determination of gross income, gross expense and net operating income for the mortgaged real property may vary from the method of determining Underwritten Net Operating Income for that mortgaged real property, resulting in variances in the related net operating income values.

“Increased Offer Notice” has the meaning assigned to such term under “The Pooling and Servicing Agreement—Realization Upon Mortgage Loans—Purchase Option” in this information circular.

“Index” has the meaning assigned to such term under “Description of the Underlying Mortgage Loans—Certain Terms and Conditions of the Underlying Mortgage Loans—Conversion to Alternate Index” in this information circular.

“Initial Directing Certificateholder” means Harbor Group International, LLC, a Delaware limited liability company.

“Initial Offer Notice Period” has the meaning assigned to such term under “The Pooling and Servicing Agreement—Realization Upon Mortgage Loans—Purchase Option” in this information circular.

“Initial Period Guidance” has the meaning assigned to such term under “Risk Factors—Risks Related to the Underlying Mortgage Loans—Due to COVID-19, Borrowers May Obtain Forbearance on Their Underlying Mortgage Loans, and May be Unable to Resume Making Payments on their Underlying Mortgage Loans at the End of the Forbearance Period, Which Could Reduce Payments Received by the Issuing Entity” in this information circular.

“Initial Purchaser” has the meaning assigned to such term under “Summary of Information Circular—Relevant Parties/Entities—Depositor” in this information circular.

“Initial Reporting Date” has the meaning assigned to such term under “Description of the Underlying Mortgage Loans—Certain Terms and Conditions of the Underlying Mortgage Loans—Impact Affordable Loans” in this information circular.

“Interest Accrual Period” means, (i) with respect to the certificates and each distribution date, the period beginning on and including the 25th day of the month preceding the month in which such distribution date occurs (or beginning on and including the Closing Date, in the case of the first distribution date) and ending on and including the 24th day of the month in which such distribution date occurs, and (ii) with respect to any underlying mortgage loan and any due date, the calendar month immediately preceding the month in which such due date occurs.

“Interest Rate Cap Agreements” means the interest rate cap agreements purchased from third-party sellers for the underlying mortgage loans.

“Investment Company Act” means the Investment Company Act of 1940, as amended.

“IRS” means the Internal Revenue Service.

“ISDA” means the International Swaps and Derivatives Association, or its successor.

“ISDA Definitions” means the 2006 ISDA Definitions published by the International Swaps and Derivatives Association, Inc. or any successor thereto, as amended or supplemented from time to time, or any successor definitional booklet for interest rate derivatives published from time to time.

“ISDA Fallback Adjustment” means the spread adjustment (which may be a positive or negative value or zero) that would apply for derivatives transactions referencing the ISDA Definitions to be determined upon the occurrence of an index cessation event with respect to the SOFR Rate.

“ISDA Fallback Rate” means the rate that would apply for derivatives transactions referencing the ISDA Definitions to be effective upon the occurrence of an index cessation date with respect to the SOFR Rate for the applicable tenor excluding the applicable ISDA Fallback Adjustment.

“Junior Loan” has the meaning assigned to such term under “Description of the Underlying Mortgage Loans—Certain Terms and Conditions of the Underlying Mortgage Loans—Permitted Additional Debt—Permitted Subordinate Mortgage Debt” in this information circular.

“Junior Loan Holder” means the holder of the most subordinate Junior Loan as described under “Description of the Underlying Mortgage Loans—Certain Terms and Conditions of the Underlying Mortgage Loans—Permitted Additional Debt—Permitted Subordinate Mortgage Debt” in this information circular.

“KeyBank” means KeyBank National Association, a national banking association, and its successors-in-interest.

“Liquidation Proceeds” means cash amounts (other than income, rents and profits derived from the ownership, operation or leasing of an REO Property) actually received, net of expenses, in connection with (i) the liquidation of a mortgaged real property or other collateral constituting security for a Defaulted Loan, through trustee’s sale, foreclosure sale, REO disposition or otherwise, exclusive of any portion of cash amounts required to be released to the related borrower; (ii) the realization upon any deficiency judgment obtained against a borrower; (iii) the purchase of a Defaulted Loan by the directing certificateholder (or any assignee or affiliate), the Non-Serviced Companion Loan Directing Holder, Freddie Mac (or any assignee) or the Junior Loan Holder (or any assignee) in accordance with the Pooling and Servicing Agreement or the Non-Serviced Companion Loan PSA; (iv) the repurchase or replacement of an underlying mortgage loan by or on behalf of the mortgage loan seller in connection with a defect in any mortgage file or a breach of any of its representations and warranties; or (v) the purchase of all of the underlying mortgage loans and the issuing entity’s interest in REO Properties by the Controlling Class Majority Holder (excluding Freddie Mac), the master servicer or the special servicer pursuant to the terms of the Pooling and Servicing Agreement. With respect to the Non-Serviced Whole Loan, “Liquidation Proceeds” refers to such portion of Liquidation Proceeds allocable to the Non-Serviced Loan, as applicable, pursuant to the terms of the Co-Lender Agreement.

“Loan Guarantor Status Event” means with respect to any guarantor under an underlying mortgage loan, the occurrence of certain events enumerated in the related loan agreement, including but not limited to, termination of its existence, a merger or consolidation (whether or not the guarantor is the surviving entity), dissolution, or liquidation of its assets.

“Loan Index Conversion Event” has the meaning assigned to such term under “Description of the Underlying Mortgage Loans—Certain Terms and Conditions of the Underlying Mortgage Loans—Conversion to Alternate Index” in this information circular.

“Loan Index Conversion Notice” has the meaning assigned to such term under “Description of the Certificates—Distributions—Calculation of Pass-Through Rates” in this information circular.

“Lower-Tier REMIC” means the REMIC identified as such and described under “Certain Federal Income Tax Consequences—General” in this information circular.

“Lower-Tier REMIC Regular Interests” means the regular interests in the Lower-Tier REMIC as defined under “Certain Federal Income Tax Consequences—General” in this information circular.

“Master Servicer Aggregate Annual Cap” means \$300,000 per calendar year with respect to the master servicer and certain indemnified sub-servicers under the Pooling and Servicing Agreement, collectively.

“Maturity Balance” means, with respect to any underlying mortgage loan and the Non-Serviced Loan, the outstanding principal balance of such underlying mortgage loan or the Non-Serviced Loan immediately prior to its maturity, according to the payment schedule for such underlying mortgage loan or the Non-Serviced Loan and otherwise assuming no prepayments, defaults or extensions.

“Maturity Loan-to-Value Ratio” or “Maturity LTV” means,

- with respect to any underlying mortgage loan, other than an underlying mortgage loan referred to in the following bullet point, the ratio of—
  1. the Maturity Balance of such underlying mortgage loan and any related Non-Serviced Companion Loan, to
  2. the most recent Appraised Value of the related mortgaged real property; and
- with respect to any underlying mortgage loan that is secured by multiple mortgaged real properties through cross-collateralization, the weighted average of, for such underlying mortgage loan and all other underlying mortgage loans with which it is cross-collateralized, the ratios of—
  1. the Maturity Balance of such underlying mortgage loan, to
  2. the most recent Appraised Value of the related mortgaged real property,

in each case, weighted based on the Cut-off Date Principal Balance for such underlying mortgage loan relative to the aggregate Cut-off Date Principal Balance of it and all other underlying mortgage loans with which it is cross-collateralized.

“MHC Homeowner Leases” has the meaning assigned to such term under “Description of the Underlying Mortgage Loans—Certain Terms and Conditions of the Underlying Mortgage Loans—Manufactured Housing Community Tenant Protections” in this information circular.

“MHC Tenant Protections” has the meaning assigned to such term under “Description of the Underlying Mortgage Loans—Certain Terms and Conditions of the Underlying Mortgage Loans—Manufactured Housing Community Tenant Protections” in this information circular.

“MHC Tenant Protections Fee” means, with respect to any underlying mortgage loan (other than the Non-Serviced Loan), any amounts actually collected (to the extent that at the time of collection all amounts then due and payable with respect to such underlying mortgage loan other than the Non-Serviced Loan have been paid) that represent the “MHC Tenant Protections Default Payment,” as such term is defined in the related loan documents.

“MHC Tenant Protections Loan” has the meaning assigned to such term under “Description of the Underlying Mortgage Loans—Certain Terms and Conditions of the Underlying Mortgage Loans—Manufactured Housing Community Tenant Protections” in this information circular.

“Minimum Requirements” has the meaning assigned to such term under “Risk Factors—Risks Related to the Underlying Mortgage Loans—Due to COVID-19, Borrowers May Obtain Forbearance on Their Underlying Mortgage Loans, and May be Unable to Resume Making Payments on their Underlying Mortgage Loans at the End of the Forbearance Period, Which Could Reduce Payments Received by the Issuing Entity” in this information circular.

“Minimum Set-Aside Units” has the meaning assigned to such term under “Description of the Underlying Mortgage Loans—Certain Terms and Conditions of the Underlying Mortgage Loans—Impact Affordable Loans” in this information circular.

“Modeling Assumptions” means, collectively, the following assumptions regarding the certificates and the underlying mortgage loans:

- (i) the underlying mortgage loans have the characteristics set forth on Exhibit A-1 and the initial mortgage pool balance is approximately \$939,679,000;
- (ii) the initial principal balance or notional amount, as the case may be, of each class of certificates is as described in this information circular;
- (iii) the pass-through rate for each interest-bearing class of certificates is as described in this information circular;
- (iv) SOFR remains constant at 0.02733% *per annum*;

- (v) there are no delinquencies, modifications or losses with respect to the underlying mortgage loans;
- (vi) no underlying mortgage loan is a Specially Serviced Mortgage Loan and the Non-Serviced Loan is not a specially serviced mortgage loan under the Non-Serviced Companion Loan PSA;
- (vii) there are no modifications, extensions, waivers or amendments affecting the monthly debt service or balloon payments by the borrowers on the underlying mortgage loans;
- (viii) there are no Appraisal Reduction Amounts with respect to the underlying mortgage loans;
- (ix) there are no casualties or condemnations affecting the corresponding mortgaged real properties;
- (x) each of the underlying mortgage loans provides monthly debt service payments to be due on the first day of each month, regardless of whether such day is a business day or not;
- (xi) monthly debt service payments on the underlying mortgage loans are timely received on their respective due dates in each month, regardless of whether such day is a business day or not;
- (xii) no voluntary or involuntary prepayments are received as to any underlying mortgage loan during that underlying mortgage loan's prepayment lockout period, including any contemporaneous Static Prepayment Premium Period;
- (xiii) except as otherwise assumed in clause (xii) above, prepayments are made on each of the underlying mortgage loans at the indicated CPRs set forth in the applicable tables or other relevant part of this information circular, without regard to any limitations in the underlying mortgage loans on partial voluntary principal prepayments;
- (xiv) all prepayments on the underlying mortgage loans are assumed to be—
  - (a) accompanied by a full month's interest, and
  - (b) received on the applicable due date of the relevant month;
- (xv) no person or entity entitled under the Pooling and Servicing Agreement exercises its right of optional termination as described under "The Pooling and Servicing Agreement—Termination" in this information circular;
- (xvi) none of the underlying mortgage loans is required to be repurchased or replaced by the mortgage loan seller or any other person, as described under "Description of the Underlying Mortgage Loans—Cures, Repurchases and Substitutions" in this information circular;
- (xvii) the Administration Fee Rate is as set forth on Exhibit A-1 and the only other issuing entity expense is the Guarantee Fee;
- (xviii) there are no Additional Issuing Entity Expenses;
- (xix) payments on the offered certificates are made on the 25th day of each month, commencing in August 2021; and
- (xx) the offered certificates are settled on an assumed settlement date of July 29, 2021.

"Moody's" means Moody's Investors Service, Inc., and its successors-in-interest.

"Most Recent EGI" generally means, for any mortgaged real property that secures an underlying mortgage loan, the revenues received (effective gross income), or annualized or estimated in some cases, in respect of the mortgaged real property for the 12-month period ended as of the Most Recent Financial End Date, based on the latest available annual or, in some cases, partial-year operating statement and other information furnished by the related borrower. For purposes of this definition, revenues generally consist of all revenues received in respect of the mortgaged real property, including rental and other revenues.

In determining the Most Recent EGI for any mortgaged real property, the mortgage loan seller may have made adjustments to the financial information provided by the related borrower similar to those used in calculating the Estimated Annual Revenues for that mortgaged real property.

Most Recent EGI for each mortgaged real property are calculated on the basis of numerous assumptions and subjective judgments, which, if ultimately proven erroneous, could cause the actual revenues for such mortgaged real property to differ materially from the Most Recent EGI set forth in this information circular. Some assumptions and subjective judgments relate to future events, conditions and circumstances, including the re-leasing of vacant space and the continued leasing of occupied spaces, which will be affected by a variety of complex factors over which none of the depositor, the mortgage loan seller, the master servicer, the special servicer, the certificate administrator or the trustee have control. In some cases, the Most Recent EGI for any mortgaged real property are higher, and may be materially higher, than the annual revenues for that mortgaged real property based on historical operating statements. In determining the Most Recent EGI for a mortgaged real property, the mortgage loan seller in most cases relied on rent rolls and/or generally unaudited financial information provided by the related borrower. No assurance can be given with respect to the accuracy of the information provided by any borrower, or the adequacy of any procedures used by the mortgage loan seller in determining the Most Recent EGI.

“Most Recent Expenses” means, for any mortgaged real property that secures an underlying mortgage loan, the expenses incurred, or annualized or estimated in some cases, for the mortgaged real property for the 12-month period ended as of the most recent operating statement date, based on the latest available annual or, in some cases, partial-year operating statement and other information furnished by the related borrower.

Expenses generally consist of all expenses incurred for the mortgaged real property, including—

- (i) salaries and wages;
- (ii) the costs or fees of—
  - (a) utilities,
  - (b) repairs and maintenance,
  - (c) marketing,
  - (d) insurance,
  - (e) management,
  - (f) landscaping, and/or
  - (g) security, if provided at the property; and
- (iii) the amount of—
  - (a) real estate taxes,
  - (b) general and administrative expenses, and
  - (c) other costs.

For purposes of this definition, expenses do not reflect, however, any deductions for debt service, depreciation, amortization or capital expenditures.

In determining the Most Recent Expenses for any mortgaged real property, the mortgage loan seller may have made adjustments to the financial information provided by the related borrower similar to those used in calculating the Estimated Annual Operating Expenses for that mortgaged real property. Most Recent Expenses for each mortgaged real property are calculated on the basis of numerous assumptions and subjective judgments, which, if ultimately proven erroneous, could cause the actual operating expenses for such mortgaged real property to differ materially from the Most Recent Expenses set forth in this information circular. Some assumptions and subjective judgments relate to future events, conditions and circumstances, including future expense levels, which will be affected by a variety of complex factors over which none of the depositor, the mortgage loan seller, the master servicer, the special servicer, the certificate administrator or the trustee have control. In some cases, the Most Recent Expenses for any mortgaged real property are lower, and may be materially lower, than the annual operating expenses for that mortgaged real property based on historical operating statements. In determining the Most Recent Expenses for a mortgaged real property, the mortgage loan seller in most cases relied on generally unaudited financial information provided by the related borrower. No assurance can be given with respect to the accuracy of the information provided by any borrower, or the adequacy of any procedures used by the mortgage loan seller in determining the Most Recent Expenses.

“Most Recent Financial End Date” means, with respect to each of the underlying mortgage loans, the date indicated on Exhibit A-1 as the Most Recent Financial End Date with respect to that mortgage loan. In general, this date is the end date of the period covered by the latest available annual or, in some cases, partial-year operating statement for the related mortgaged real property.

“Most Recent NCF” or “Most Recent Net Cash Flow” means, with respect to each mortgaged real property that secures an underlying mortgage loan, the Most Recent Net Operating Income, less the most recent replacement reserve amounts.

“Most Recent NOI” or “Most Recent Net Operating Income” means, with respect to each of the mortgaged real properties, the total cash flow derived from the property that was available for annual debt service on the related underlying mortgage loan, calculated as the Most Recent EGI less Most Recent Expenses for that mortgaged real property.

“Net Aggregate Prepayment Interest Shortfall” means, with respect to each distribution date, the excess, if any, of—

- (i) the total Prepayment Interest Shortfalls incurred with respect to the mortgage pool during the related Collection Period, over
- (ii) the sum of (a) the total payments made by the master servicer (or with respect to the Non-Serviced Loan, by the Non-Serviced Companion Loan Master Servicer) to cover any Prepayment Interest Shortfalls incurred during the related Collection Period; and (b) the total Prepayment Interest Excesses collected during the related Collection Period that are applied to offset Prepayment Interest Shortfalls incurred during the related Collection Period.

“Net Mortgage Interest Rate” has the meaning assigned to such term under “Summary of Information Circular—Transaction Overview” in this information circular.

“Net Mortgage Pass-Through Rate” has the meaning assigned to such term under “Summary of Information Circular—Transaction Overview” in this information circular.

“New York Federal Reserve’s Website” means the website of the New York Federal Reserve Bank, currently at <http://www.newyorkfed.org>, or any successor source.

“NFIP” has the meaning assigned to such term under “Risk Factors—Risks Related to the Underlying Mortgage Loans—World Events and Natural Disasters Could Adversely Impact the Mortgaged Real Properties and Could Reduce the Cash Flow Available to Make Payments on the Offered Certificates” in this information circular.

“Nonrecoverable Advance” means any Nonrecoverable P&I Advance or Nonrecoverable Servicing Advance or any portion of such Nonrecoverable P&I Advance or Nonrecoverable Servicing Advance.

“Nonrecoverable P&I Advance” has the meaning assigned to such term under “Description of the Certificates—Advances of Delinquent Monthly Debt Service Payments” in this information circular.

“Nonrecoverable Servicing Advance” has the meaning assigned to such term under “The Pooling and Servicing Agreement—Servicing and Other Compensation and Payment of Expenses—Servicing Advances” in this information circular.

“Non-Serviced Companion Loan” has the meaning assigned to such term under “Summary of Information Circular—Transaction Overview” in this information circular.

“Non-Serviced Companion Loan Directing Holder” has the meaning assigned to such term under “Summary of Information Circular—Relevant Parties/Entities—Directing Certificateholder” in this information circular.

“Non-Serviced Companion Loan Holder” means, with respect to the Non-Serviced Companion Loan, collectively, the holders of record of the Non-Serviced Companion Loan.

“Non-Serviced Companion Loan Master Servicer” means, with respect to the Non-Serviced Companion Loan, the master servicer under the Non-Serviced Companion Loan PSA.

“Non-Serviced Companion Loan PSA” means the pooling and servicing agreement, dated as of May 1, 2021, among Banc of America Merrill Lynch Commercial Mortgage Inc., as depositor, KeyBank National Association, as master servicer and special servicer, Wilmington Trust, National Association, as trustee, Wells Fargo Bank, National Association, as certificate administrator and custodian, and Freddie Mac related to the issuance of the FREMF 2021-KF110 Mortgage Trust, Multifamily Mortgage Pass-Through Certificates, Series 2021-KF110.

“Non-Serviced Companion Loan Securitization” has the meaning assigned to such term under “Summary of Information Circular—Transaction Overview” in this information circular.

“Non-Serviced Companion Loan Special Servicer” means, with respect to the Non-Serviced Companion Loan, the named special servicer under the Non-Serviced Companion Loan PSA.

“Non-Serviced Companion Loan Trustee” means, with respect to the Non-Serviced Companion Loan, the named trustee under the Non-Serviced Companion Loan PSA.

“Non-Serviced Loan” means the underlying mortgage loan secured by the mortgaged real property identified on Exhibit A-1 as “The Rheingold A-2,” which is *pari passu* in right of payment with the Non-Serviced Companion Loan to the extent set forth in the related loan documents and the Co-Lender Agreement.

“Non-Serviced REO Property” means the mortgaged real properties related to the Non-Serviced Loan that are acquired by the Non-Serviced Companion Loan Special Servicer for the benefit of the certificateholders and the Non-Serviced Companion Loan Holder through foreclosure, deed-in-lieu of foreclosure or otherwise following a default on the Non-Serviced Whole Loan. For the avoidance of doubt, Non-Serviced REO Property, to the extent allocable to the Non-Serviced Companion Loan, will not be an asset of the issuing entity.

“Non-Serviced Whole Loan” has the meaning assigned to such term under “Summary of Information Circular—The Underlying Mortgage Loans—The Non-Serviced Whole Loan” in this Information Circular.

“Non-Serviced Whole Loan Noteholders” has the meaning assigned to such term under “Description of the Underlying Mortgage Loans—The Non-Serviced Whole Loan” in this information circular.

“NRSRO” means a nationally recognized statistical rating organization, as defined in Section 3(a)(62) of the Exchange Act.

“offered certificates” means the class AS and XS certificates.

“Option Price” means the cash price at which any Defaulted Loan and, if applicable, the Non-Serviced Companion Loan may be purchased under the related Purchase Option, as described under “The Pooling and Servicing Agreement—Realization Upon Mortgage Loans—Purchase Option” in this information circular.

“Original Net Mortgage Interest Rate” has the meaning assigned to such term under “Summary of Information Circular—Transaction Overview” in this information circular.

“Originators” has the meaning assigned to such term under “Description of the Mortgage Loan Seller and Guarantor—The Mortgage Loan Seller and Guarantor” in this information circular.

“Outstanding Guarantor Reimbursement Amount” means, with respect to each distribution date, the amount, if any, by which the sum of any Guarantor Reimbursement Amounts payable to the Guarantor exceeds the sum of the amounts distributed to the Guarantor pursuant to priority 4<sup>th</sup>, 5<sup>th</sup> or 6<sup>th</sup> in the table under “Description of the Certificates—Distributions—Priority of Distributions” in this information circular on such distribution date.

“P&I Advance” has the meaning assigned to such term under “Description of the Certificates—Advances of Delinquent Monthly Debt Service Payments” in this information circular.

“Par Purchase Notice Period” has the meaning assigned to such term under “The Pooling and Servicing Agreement—Realization Upon Mortgage Loans—Purchase Option” in this information circular.

“Performing Loan Principal Distribution Amount” means, with respect to each distribution date, the excess, if any, of the Principal Distribution Amount for such distribution date over the Specially Serviced Loan Principal Distribution Amount, if any, for such distribution date.

“Permitted Encumbrances” means, with respect to any mortgaged real property securing an underlying mortgage loan, any and all of the following—

- (i) the lien of current real property taxes, water charges, sewer rents and assessments not yet delinquent or accruing interest or penalties,
- (ii) covenants, conditions and restrictions, rights of way, easements and other matters that are of public record,
- (iii) exceptions and exclusions specifically referred to in the related lender’s title insurance policy or, if that policy has not yet been issued, referred to in a *pro forma* title policy or marked-up commitment, which in either case is binding on such title insurance company,
- (iv) other matters to which like properties are commonly subject,
- (v) the rights of tenants, as tenants only, under leases, including subleases, pertaining to the related mortgaged real property, and
- (vi) if such mortgaged real property is a unit in a condominium, the related condominium declaration.

“Permitted Investments” means the U.S. government securities and other obligations specified in the Pooling and Servicing Agreement.

“Permitted Transfer” means any Requested Transfer as to which the related borrower satisfies (without modification or waiver) all the applicable requirements in the related loan documents, *provided* that such satisfaction is determined without requiring the exercise of discretion by the master servicer or the special servicer.

“PILOT” has the meaning assigned to such term under “Risk Factors—Risks Related to the Underlying Mortgage Loans—Multifamily Rental Properties May Be Receiving Tax Abatements or Tax Exemptions, Which, if Discontinued, May Adversely Affect the Borrower’s Ability to Generate Sufficient Cash Flow” in this information circular.

“Placement Agent Entities” means the placement agents for the SPCs and their respective affiliates.

“Pooling and Servicing Agreement” means the pooling and servicing agreement, to be dated as of July 1, 2021, among Credit Suisse First Boston Mortgage Securities Corp., as depositor, Wells Fargo Bank, as master servicer, KeyBank, as special servicer, Citibank, as trustee, certificate administrator and custodian, and Freddie Mac.

“Preferred Equity Control Take-Over Transfer” means a transfer of a limited liability company manager’s or general partner’s right to control the borrower to a preferred equity investor named in the loan agreement or such investor’s affiliate pursuant to an agreement governing a preferred equity contribution. A Preferred Equity Control Take-Over Transfer cannot include a transfer of the limited liability company manager’s or general partner’s ownership interests in the borrower to a preferred equity investor.

“Prepayment Assumption” means an assumption that there are no prepayments and no extensions of the underlying mortgage loans.

“Prepayment Interest Excess” means, with respect to any full or partial prepayment of an underlying mortgage loan made by the related borrower or otherwise in connection with a casualty or condemnation during any Collection Period after the due date for that underlying mortgage loan, the amount of any interest collected on that prepayment for the period from and after that due date, less the amount of master servicer surveillance fees (if any), special servicer surveillance fees (if any), master servicing fees and sub-servicing fees (or, with respect to the Non-

Serviced Loan, net of any sub-servicing fee payable with respect to the Non-Serviced Loan pursuant to the Non-Serviced Companion Loan PSA) payable from that interest collection, and exclusive of any Default Interest included in that interest collection.

“Prepayment Interest Shortfall” means, with respect to any full or partial prepayment of an underlying mortgage loan made by the related borrower that is not accompanied by an amount of interest representing scheduled interest due on any date or dates in any month or months subsequent to the month of prepayment or otherwise in connection with a casualty or condemnation during any Collection Period prior to the due date for that underlying mortgage loan, the amount of any uncollected interest that would have accrued on that prepayment to, but not including, such due date, less the amount of master servicer surveillance fees (if any), special servicer surveillance fees (if any), master servicing fees and sub-servicing fees (or, with respect to the Non-Serviced Loan, net of any sub-servicing fee payable with respect to the Non-Serviced Loan pursuant to the Non-Serviced Companion Loan PSA) that would have been payable from that uncollected interest, and exclusive of any portion of that uncollected interest that would have been Default Interest.

“Prime Rate” means an annual rate equal to the “prime rate” as published in the “Money Rates” section of The Wall Street Journal (or, if such section or publication is no longer available, such other comparable publication as is determined by the certificate administrator in its sole discretion, in consultation with the master servicer) as may be in effect from time to time (or if the “prime rate” is not published on any calculation day, then the Prime Rate for such day will be the most recently published “prime rate” prior to such calculation day), or if the “prime rate” no longer exists, such other comparable rate (as determined by the certificate administrator, in its reasonable discretion, in consultation with the master servicer) as may be in effect from time to time. If the certificate administrator and the master servicer cannot agree on a comparable publication or comparable rate, the certificate administrator will have the sole right to determine such publication or rate.

“Principal Balance Certificates” means the class AS and CS certificates.

“Principal Distribution Adjustment Amount” means, with respect to each distribution date, the sum of (i) the amount of any Nonrecoverable Advance that was reimbursed to the master servicer or the trustee since the preceding distribution date (or since the Closing Date, in the case of the first distribution date) and that was deemed to have been so reimbursed out of any collections of principal that would otherwise constitute part of the Principal Distribution Amount for such distribution date (as described in this information circular under “The Pooling and Servicing Agreement—Servicing and Other Compensation and Payment of Expenses” or “Description of the Certificates—Advances of Delinquent Monthly Debt Service Payments,” as applicable), (ii) any Workout-Delayed Reimbursement Amount that was reimbursed to the master servicer or the trustee since the preceding distribution date (or since the Closing Date, in the case of the first distribution date) and that was deemed to have been so reimbursed out of any collections of principal that would otherwise constitute part of the Principal Distribution Amount for such distribution date (as described in this information circular under “The Pooling and Servicing Agreement—Servicing and Other Compensation and Payment of Expenses” or “Description of the Certificates—Advances of Delinquent Monthly Debt Service Payments,” as applicable) and (iii) any principal collections for the related Collection Period used to reimburse Balloon Guarantor Payments or other unreimbursed Guarantor Reimbursement Amounts since the preceding distribution date pursuant to the terms of the Pooling and Servicing Agreement.

“Principal Distribution Amount” means:

- (i) for each distribution date prior to the final distribution date, an amount equal to the total, without duplication, of the following—
  - (a) all payments of principal, including voluntary principal prepayments, received by or on behalf of the issuing entity with respect to the underlying mortgage loans during the related Collection Period, exclusive of any portion of those payments that represents a late collection of principal for which an advance was previously made for a prior distribution date or that represents a monthly payment of principal due on or before the Cut-off Date or on a due date for the related underlying mortgage loan subsequent to the end of the related Collection Period,
  - (b) all monthly payments of principal received by or on behalf of the issuing entity with respect to the underlying mortgage loans prior to, but that are due during, the related Collection Period,

- (c) all other collections, including Liquidation Proceeds, condemnation proceeds and insurance proceeds that were received by or on behalf of the issuing entity with respect to any of the underlying mortgage loans or any related REO Properties during the related Collection Period and that were identified and applied as recoveries of principal of such underlying mortgage loan or, in the case of an REO Property, of the related underlying mortgage loan, in each case net of any portion of the particular collection that represents a late collection of principal for which an advance of principal was previously made for a prior distribution date or that represents a monthly payment of principal due on or before the Cut-off Date, and
  - (d) all advances of principal made with respect to the underlying mortgage loans for that distribution date; and
- (ii) for the final distribution date, an amount equal to the total Stated Principal Balance of the mortgage pool outstanding immediately prior to that final distribution date.

However, the Principal Distribution Amount will be reduced on any distribution date by an amount equal to the Principal Distribution Adjustment Amount calculated with respect to such distribution date. The Principal Distribution Amount will be increased on any distribution date by the amount of any recovery occurring during the related Collection Period of an amount that was previously advanced with respect to any underlying mortgage loan, but only if and to the extent such advance was previously reimbursed from principal collections that would otherwise have constituted part of the Principal Distribution Amount for a prior distribution date in a manner that resulted in a Principal Distribution Adjustment Amount for such prior distribution date. In addition, if any insurance proceeds, condemnation proceeds or Liquidation Proceeds were received and/or a final recovery determination were made with respect to any underlying mortgage loan during any particular Collection Period, then the portion of the Principal Distribution Amount for the related distribution date that is otherwise allocable to that underlying mortgage loan will be reduced (to not less than zero) by any special servicing fees or liquidation fees payable in connection therewith.

“Privileged Person” means each party to the Pooling and Servicing Agreement, each Initial Purchaser and, upon receipt by the certificate administrator of an investor certification in the form required by the Pooling and Servicing Agreement, each holder, beneficial owner or prospective purchaser of a certificate or an SPC and the Non-Serviced Companion Loan Holder and, upon receipt of a certification from an NRSRO substantially in the form as provided in the Pooling and Servicing Agreement, any NRSRO that does not have a conflict of interest identified in paragraph (b)(9) of Rule 17g-5 with respect to the certificates or the SPCs (as certified by such NRSRO) and that has been engaged by a certificateholder or a holder of an SPC, which NRSRO has provided, or will provide, an on-going rating to a class of certificates or SPCs after the Closing Date and that is requesting access to such information solely for the purpose of assessing or reaffirming such on-going rating. Any Privileged Person that is a borrower or an affiliate of a borrower, as evidenced by the information set forth in the investor certification, will only be entitled to limited information as described in “Description of the Certificates—Reports to Certificateholders and Freddie Mac; Available Information” in this information circular.

“Purchase Agreement” means the Senior Preferred Stock Purchase Agreement dated September 7, 2008 between FHFA, as Conservator of Freddie Mac, and Treasury, as amended and restated on September 26, 2008, and as further amended on May 6, 2009, December 24, 2009, August 17, 2012, December 21, 2017, September 27, 2019 and January 14, 2021.

“Purchase Option” means, with respect to any Defaulted Loan, the purchase option described under “The Pooling and Servicing Agreement—Realization Upon Mortgage Loans—Purchase Option” in this information circular.

“Purchase Price” means, with respect to any underlying mortgage loan if it is to be purchased as contemplated under the Pooling and Servicing Agreement, a price equal to the outstanding principal balance of such underlying mortgage loan, plus (i) accrued and unpaid interest on such underlying mortgage loan through and including the end of the related mortgage Interest Accrual Period in which such purchase is made (which would include accrued and unpaid master servicer surveillance fees, special servicer surveillance fees, master servicing fees and sub-servicing fees), (ii) related special servicing fees and, if applicable, liquidation fees payable to the special servicer (to the extent accrued and unpaid or previously paid by the issuing entity), (iii) all related unreimbursed Servicing Advances or Additional Issuing Entity Expenses, (iv) all related Servicing Advances that were previously

reimbursed from general collections on the mortgage pool and, in the case of the Non-Serviced Companion Loan, from the Non-Serviced Companion Loan Holder to the extent of its *pro rata* share of such reimbursement amount pursuant to the Co-Lender Agreement, (v) all accrued and unpaid interest on related Servicing Advances and P&I Advances, (vi) all interest on related Servicing Advances and P&I Advances that was previously reimbursed from general collections on the mortgage pool and, if applicable, in the case of the Non-Serviced Companion Loan, from the Non-Serviced Companion Loan Holder to the extent of its *pro rata* share of such reimbursement amount pursuant to the Co-Lender Agreement, (vii) solely if such underlying mortgage loan is being purchased by the related borrower or an affiliate of such borrower, all Default Interest, late payment fees, extension fees and similar fees or charges incurred with respect to such underlying mortgage loan and all out-of-pocket expenses reasonably incurred (whether paid or then owing) by the master servicer, the special servicer, the depositor, the custodian, the certificate administrator and the trustee in respect of such purchase, including, without duplication of any amounts described above in this definition, any expenses incurred prior to such purchase date with respect to such underlying mortgage loan, and (viii) solely if such underlying mortgage loan is being purchased by or on behalf of the mortgage loan seller pursuant to or as contemplated by Section 7 of the mortgage loan purchase agreement, all out-of-pocket expenses reasonably incurred (whether paid or then owing) by the master servicer, the special servicer, the depositor, the certificate administrator, the custodian and the trustee in respect of the breach or defect giving rise to the repurchase obligation, including any expenses arising out of the enforcement of the repurchase obligation and, without duplication of any amounts described above in this definition, any expenses incurred prior to such purchase date with respect to such underlying mortgage loan; *provided* that if a Fair Value determination has been made, the Purchase Price must at least equal the Fair Value.

“Qualified Substitute Mortgage Loan” means a mortgage loan in the same lien position as the underlying mortgage loan that is being replaced that must, on the date of substitution: (i) have an outstanding principal balance, after application of all scheduled payments of principal and interest due during or prior to the month of substitution not in excess of the Stated Principal Balance of the deleted underlying mortgage loan as of the due date in the calendar month during which the substitution occurs; (ii) have a mortgage interest rate not less than the mortgage interest rate of the deleted underlying mortgage loan; (iii) have the same due date as the deleted underlying mortgage loan; (iv) accrue interest on the same basis as the deleted underlying mortgage loan (for example, on the basis of a 360-day year and the actual number of days elapsed); (v) have a remaining term to stated maturity not greater than, and not more than two years less than, the remaining term to stated maturity of the deleted underlying mortgage loan; (vi) have an original loan-to-value ratio not higher than that of the deleted underlying mortgage loan and a current loan-to-value ratio not higher than the then current loan-to-value ratio of the deleted underlying mortgage loan; (vii) materially comply (without waiver or exception) as of the date of substitution with all of the representations and warranties set forth in the mortgage loan purchase agreement; (viii) have an environmental report with respect to the related mortgaged real property that indicates no material adverse environmental conditions with respect to the related mortgaged real property and which will be delivered as a part of the related mortgage file; (ix) have an original debt service coverage ratio not less than the original debt service coverage ratio of the deleted underlying mortgage loan and a current debt service coverage ratio not less than the current debt service coverage ratio of the deleted underlying mortgage loan; (x) be determined by an opinion of counsel to be a “qualified replacement mortgage” within the meaning of Code Section 860G(a)(4); (xi) have been approved by the Approved Directing Certificateholder (if any) and Freddie Mac, each in its sole discretion; and (xii) not be substituted for a deleted underlying mortgage loan if it would result in the termination of the REMIC status of either Trust REMIC created under the Pooling and Servicing Agreement or the imposition of tax on either Trust REMIC created under the Pooling and Servicing Agreement other than a tax on income expressly permitted or contemplated to be received by the terms of the Pooling and Servicing Agreement. In the event that one or more mortgage loans are substituted for one or more deleted underlying mortgage loans simultaneously, then the amounts described in clause (i) are required to be determined on the basis of aggregate outstanding principal balances and the rates described in clause (ii) above (*provided that* no Net Mortgage Interest Rate may be less than the pass-through rate of any class of Principal Balance Certificates then outstanding) and the remaining term to stated maturity referred to in clause (v) above will be determined on a weighted average basis. When a Qualified Substitute Mortgage Loan is substituted for a deleted underlying mortgage loan, the mortgage loan seller will be required to certify that the mortgage loan meets all of the requirements of the above definition and send the certification to the trustee and the certificate administrator, which may conclusively rely on such certification.

“Ratings Trigger Event” means, with respect to the master servicer or the special servicer, as applicable, (i) if on the Closing Date (or in the case of any successor master servicer or special servicer, the date of appointment), such party is listed on S&P’s Select Servicer List as a U.S. Commercial Mortgage Master Servicer (in the case of the

master servicer) or a U.S. Commercial Mortgage Special Servicer (in the case of the special servicer), and at any time after the Closing Date (or in the case of any successor master servicer or special servicer, the date of appointment) such party loses its status on such list and such status is not restored within 60 days or (ii) if on the Closing Date (or in the case of any successor master servicer or special servicer, the date of appointment) such party has a rating by Fitch higher than or equal to “CMS3” or “CSS3,” as applicable, and at any time after the Closing Date (or in the case of any successor master servicer or special servicer, the date of appointment) such rating drops to a level lower than “CMS3” or “CSS3,” as applicable, and such party is not reinstated to at least “CMS3” or “CSS3,” as applicable, within 60 days.

“Realized Losses” means the amount by which (i) the aggregate Stated Principal Balance (for purposes of this calculation only, (a) giving effect to the amount of any unreimbursed Timing Guarantor Payments and (b) not giving effect to any reductions of the Stated Principal Balance for payments and other collections of principal on the mortgage pool that were used to reimburse any Nonrecoverable Advances and Workout-Delayed Reimbursement Amounts (including any accrued advance interest), other than payments or other collections of principal used to reimburse Nonrecoverable Advances or Workout-Delayed Reimbursement Amounts (including any accrued advance interest) with respect to underlying mortgage loans as to which a final recovery determination has been made) of the mortgage pool expected to be outstanding immediately following such distribution date is less than (ii) the aggregate outstanding principal balance of the Principal Balance Certificates after giving effect to distributions of principal on such distribution date. We discuss the calculation of Realized Losses under “Description of the Certificates—Reductions of Certificate Principal Balances in Connection with Realized Losses and Additional Issuing Entity Expenses” in this information circular.

“Reduction Factor” has the meaning assigned to such term under “Summary of Information Circular—Transaction Overview” in this information circular.

“Reform Act” means the Federal Housing Finance Regulatory Reform Act.

“Regular Certificates” has the meaning assigned to such term under “Certain Federal Income Tax Consequences—General” in this information circular.

“Regulation AB” means Subpart 229.1100 – Asset Backed Securities (Regulation AB), 17 C.F.R. §§ 229.1100-229.1125, as such rules may be amended from time to time, and subject to such clarification and interpretation as have been provided by the SEC or by the staff of the SEC, or as may be provided by the SEC or its staff from time to time, in each case, effective as of the compliance dates specified therein.

“Relevant Governmental Body” means the Federal Reserve Board and/or the Federal Reserve Bank of New York, or a committee officially endorsed or convened by the Federal Reserve Board and/or the Federal Reserve Bank of New York or any successor thereto.

“REMIC” means a “real estate mortgage investment conduit” as defined in Code Section 860D.

“REMIC Provisions” means the provisions of the federal income tax law relating to real estate mortgage investment conduits, which appear at Sections 860A through 860G of subchapter M of chapter 1 of subtitle A of the Code, and related provisions, and temporary and final regulations and, to the extent not inconsistent with such temporary and final regulations, proposed regulations, and published rulings, notices and announcements promulgated thereunder, as may be in effect from time to time.

“Remittance Date” means, with respect to each distribution date, the Business Day prior to such distribution date.

“REO Loan” means an underlying mortgage loan deemed to be outstanding with respect to an REO Property. For the avoidance of doubt, no REO Loan will exist in respect of any Non-Serviced REO Property to the extent allocable to the Non-Serviced Companion Loan.

“REO Property” means any mortgaged real property that is acquired on behalf of and in the name of the trustee for the benefit of the certificateholders through foreclosure, acceptance of a deed-in-lieu of foreclosure or otherwise in accordance with applicable law in connection with the default or imminent default of the related underlying

mortgage loan (and also including, if applicable, the issuing entity's beneficial interest in the Non-Serviced REO Property acquired by the Non-Serviced Companion Loan Holder). For the avoidance of doubt, REO Property, to the extent allocable to the Non-Serviced Companion Loan, will not be an asset of the issuing entity.

“Requested Transfer” means, with respect to any underlying mortgage loan (other than the Non-Serviced Loan), a request for the transfer (a) of an interest in the related mortgaged real property, the related borrower or any Designated Entity for Transfers, or (b) by a Required Equity Owner of part or all of the interest required to be maintained by such Required Equity Owner, in each case, as permitted under the loan documents under certain conditions, but not including the creation of any additional lien or other encumbrance on the mortgaged real property or interests in the borrower or any Designated Entity for Transfers.

“Required Equity Owner” means a person named in a loan agreement at origination that is required to maintain a minimum percentage ownership interest in a borrower.

“Required Income Restrictions” has the meaning assigned to such term under “Description of the Underlying Mortgage Loans—Certain Terms and Conditions of the Underlying Mortgage Loans—Impact Affordable Loans” in this information circular.

“Required Rent Restrictions” has the meaning assigned to such term under “Description of the Underlying Mortgage Loans—Certain Terms and Conditions of the Underlying Mortgage Loans—Impact Affordable Loans” in this information circular.

“Required Rent Restrictions Rider” has the meaning assigned to such term under “Description of the Underlying Mortgage Loans—Certain Terms and Conditions of the Underlying Mortgage Loans—Impact Affordable Loans” in this information circular.

“Restricted Mezzanine Holder” means, with respect to an underlying mortgage loan, a holder of a related mezzanine loan that has accelerated, or otherwise begun to exercise its remedies with respect to, such mezzanine loan (unless such mezzanine holder is stayed pursuant to a written agreement or court order or as a matter of law from exercising any remedies associated with foreclosure of the related equity collateral under such mezzanine loan).

“Retained Interest Amount” means an amount equal to the sum of four days of interest at the related mortgage interest rate with respect to each underlying mortgage loan.

“Rule” has the meaning assigned to such term under “Description of the Mortgage Loan Seller and Guarantor—Credit Risk Retention” in this information circular.

“Rule 17g-5” means Rule 17g-5 under the Exchange Act.

“S&P” means S&P Global Ratings, and its successors-in-interest.

“Sales Comparison Approach” means a determination of the value of a mortgaged real property based on a comparison of that mortgaged real property to similar properties that have been sold recently or for which listing prices or offering figures are known. In connection with that determination, data for generally comparable properties are used and comparisons are made to demonstrate a probable price at which the mortgaged real property would sell if offered on the market.

“SEC” means the U.S. Securities and Exchange Commission.

“Second Additional Period Guidance” has the meaning assigned to such term under “Risk Factors—Risks Related to the Underlying Mortgage Loans—Due to COVID-19, Borrowers May Obtain Forbearance on Their Underlying Mortgage Loans, and May be Unable to Resume Making Payments on their Underlying Mortgage Loans at the End of the Forbearance Period, Which Could Reduce Payments Received by the Issuing Entity” in this information circular.

“Section 8” means the Section 8 Tenant-Based Assistance Rental Certificate Program of the United States Department of Housing and Urban Development.

“Securitization Compensation” means, with respect to each underlying mortgage loan (and successor REO Loan) except for the Non-Serviced Loan, a portion of the sub-servicing fee that accrues at a *per annum* rate equal to the Securitization Compensation Rate.

“Securitization Compensation Rate” with respect to each underlying mortgage loan (and successor REO Loan) except for the Non-Serviced Loan, has the meaning assigned to such term in the related Sub-Servicing Agreement or other securitization compensation agreement as provided for in the Pooling and Servicing Agreement.

“Securitization Compensation Right” means, with respect to each underlying mortgage loan (and successor REO Loan) except for the Non-Serviced Loan, the right to receive Securitization Compensation.

“Securitization Regulation” has the meaning assigned to such term under “Risk Factors—General Risk Factors—Legal and Regulatory Provisions Affecting Investors Could Adversely Affect the Liquidity of Your Investment” in this information circular.

“Senior Loan” has the meaning assigned to such term under “Description of the Underlying Mortgage Loans—Certain Terms and Conditions of the Underlying Mortgage Loans—Permitted Additional Debt—Permitted Subordinate Mortgage Debt” in this information circular.

“Senior Loan Holder” has the meaning assigned to such term under “Description of the Underlying Mortgage Loans—Certain Terms and Conditions of the Underlying Mortgage Loans—Permitted Additional Debt—Permitted Subordinate Mortgage Debt” in this information circular.

“Servicing Advance” has the meaning assigned to such term under “The Pooling and Servicing Agreement—Servicing and Other Compensation and Payment of Expenses—Servicing Advances” in this information circular.

“Servicing Standard” means:

- (i) with respect to the underlying mortgage loans other than REO Loans, REO Properties and Specially Serviced Mortgage Loans, to the extent not inconsistent with applicable law, the terms of the Pooling and Servicing Agreement or the terms of the respective underlying mortgage loans or any applicable intercreditor agreement, the Co-Lender Agreement or other intercreditor or co-lender and/or similar agreement(s), servicing and administering such underlying mortgage loans in accordance with (a) Freddie Mac Servicing Practices or (b) to the extent Freddie Mac Servicing Practices do not provide sufficient guidance or Freddie Mac Servicing Practices have not been made available or communicated in writing by Freddie Mac to the master servicer, the special servicer or the related sub-servicer, as applicable, Accepted Servicing Practices; and
- (ii) with respect to REO Loans, REO Properties and Specially Serviced Mortgage Loans, to the extent not inconsistent with applicable law, the terms of the Pooling and Servicing Agreement or the terms of the respective underlying mortgage loans or any applicable intercreditor or co-lender and/or similar agreement(s), servicing and administering such underlying mortgage loans in accordance with Accepted Servicing Practices; *provided, however*, that for Specially Serviced Mortgage Loans, to the extent consistent with applicable law, the terms of the Pooling and Servicing Agreement and the terms of the respective underlying mortgage loans and any applicable intercreditor or co-lender and/or similar agreement(s), the special servicer or the master servicer may, in its sole discretion, require the applicable borrower to maintain insurance consistent with either (a) Accepted Servicing Practices or (b) Freddie Mac Servicing Practices;

*provided, however*, that the foregoing standards will only apply with respect to the Non-Serviced Loan and any related Non-Serviced REO Property to the extent that the master servicer or the special servicer has any express duties or rights with respect to them pursuant to the Pooling and Servicing Agreement.

To the extent of any conflict under clause (i) of this definition (a) between Freddie Mac Servicing Practices and Accepted Servicing Practices, the terms of Freddie Mac Servicing Practices will govern and be applicable and (b) between Freddie Mac Servicing Practices or Accepted Servicing Practices and the express written terms of the Pooling and Servicing Agreement, the terms of the Pooling and Servicing Agreement will govern and be applicable.

“Servicing Transfer Event” means, with respect to any underlying mortgage loan (other than the Non-Serviced Loan), any of the following events, among others:

- (i) a payment default occurs at its scheduled maturity date and the related borrower has not delivered to the master servicer, at least 10 Business Days prior to the scheduled maturity date, documentation reasonably satisfactory in form and substance to the master servicer which demonstrates to the master servicer’s satisfaction (determined in accordance with the Servicing Standard) that a refinancing of such underlying mortgage loan or sale of the related mortgaged real property to a party that is not an affiliate of the borrower will occur within 60 days after the scheduled maturity date (which 60-day period may be extended to 120 days at the discretion of the special servicer with the consent of the Approved Directing Certificateholder (if any), subject to the last two paragraphs of “The Pooling and Servicing Agreement—Realization Upon Mortgage Loans—Asset Status Report” in this information circular with respect to any Affiliated Borrower Loan); *provided* that if either (a) such refinancing or sale does not occur before the expiration date of the refinancing commitment or purchase agreement approved by the master servicer or (b) the borrower does not make any assumed scheduled payment in respect of the related underlying mortgage loan at any time prior to such a refinancing or sale, a Servicing Transfer Event will occur immediately;
- (ii) any monthly principal and/or interest payment (other than a balloon payment) is 60 days or more delinquent;
- (iii) the related borrower has—
  - (a) filed for, or consented to, bankruptcy, appointment of a receiver or conservator or a similar insolvency proceeding;
  - (b) become the subject of a decree or order for such a proceeding which is not stayed or discharged within 60 days; or
  - (c) has admitted in writing its inability to pay its debts generally as they become due;
- (iv) the master servicer or the special servicer has received notice of the foreclosure or proposed foreclosure of any lien on the mortgaged real property;
- (v) in the judgment of (a) the master servicer (with the approval of Freddie Mac) or (b) the special servicer (with the approval of Freddie Mac and the Approved Directing Certificateholder (if any), subject to the last two paragraphs of “The Pooling and Servicing Agreement—Realization Upon Mortgage Loans—Asset Status Report” in this information circular with respect to any Affiliated Borrower Loan), (1) a default under such underlying mortgage loan is reasonably foreseeable, (2) such default will materially impair the value of the related mortgaged real property as security for such underlying mortgage loan or otherwise materially adversely affect the interests of certificateholders, and (3) the default either would give rise to the immediate right to accelerate such underlying mortgage loan or such default is likely to continue unremedied for the applicable cure period under the terms of such underlying mortgage loan or, if no cure period is specified and the default is capable of being cured, for 30 days, *provided* that if Freddie Mac’s approval is sought by the master servicer and not provided (and/or during the period that the master servicer is waiting for Freddie Mac’s approval), the master servicer’s servicing obligations with respect to such underlying mortgage loan will be to service such underlying mortgage loan as a non-Specially Serviced Mortgage Loan; or
- (vi) any other default has occurred under the loan documents that, in the reasonable judgment of (a) the master servicer, or (b) with the approval of the Approved Directing Certificateholder (if any) (subject to the last two paragraphs of “The Pooling and Servicing Agreement—Realization Upon Mortgage Loans—Asset Status Report” in this information circular with respect to any Affiliated Borrower Loan), the special servicer, has materially and adversely affected the value of such underlying mortgage loan or otherwise materially and adversely affects the interests of the certificateholders and has continued unremedied for 30 days (irrespective of any grace period specified in the related mortgage note) and, *provided* that the failure of the related borrower to obtain all-risk casualty insurance that does not contain any carveout for terrorist or similar acts (other than such amounts as are specifically required under the related underlying mortgage loan) will not apply with respect to this clause if the special servicer has determined in accordance with the Servicing Standard that either (a) such insurance is not available at commercially reasonable rates and that

such hazards are not at the time commonly insured against for properties similar to the mortgaged real property and located in or around the region in which such mortgaged real property is located, or (b) such insurance is not available at any rate.

A Servicing Transfer Event will cease to exist, if and when a Specially Serviced Mortgage Loan becomes a Corrected Mortgage Loan.

A Servicing Transfer Event triggered by a default with respect to any underlying mortgage loan in a Crossed Loan Group will not in and of itself constitute a Servicing Transfer Event with respect to any other underlying mortgage loan that is in such Crossed Loan Group (if a Servicing Transfer Event would not otherwise have occurred but for giving effect to the cross-default provisions applicable to such underlying mortgage loan) unless (i) the master servicer or the special servicer (in the case of the special servicer, with the approval of the Approved Directing Certificateholder (if any)) (subject to the last two paragraphs of “The Pooling and Servicing Agreement—Realization Upon Mortgage Loans—Asset Status Report” in this information circular with respect to any Affiliated Borrower Loan) determines in accordance with the Servicing Standard that it is in the best interest of the certificateholders as a collective whole to effect such Servicing Transfer Event with respect to one or more such underlying mortgage loans that are in such Crossed Loan Group and (ii) Freddie Mac approves such Servicing Transfer Event with respect to one or more such underlying mortgage loans that are in such Crossed Loan Group.

With respect to the Non-Serviced Loan and the Non-Serviced Companion Loan, a “Servicing Transfer Event” will have substantially the same definition in the Non-Serviced Companion Loan PSA as is set forth above.

“Servicing Transferred Crossed Loan” means any underlying mortgage loan in a Crossed Loan Group with respect to which a Servicing Transfer Event has occurred, without giving effect to any cross-default provisions in the related loan documents or the occurrence of a Servicing Transfer Event with respect to any other underlying mortgage loan in such Crossed Loan Group.

“SOFR” has the meaning assigned to such term under “Description of the Underlying Mortgage Loans—Certain Terms and Conditions of the Underlying Mortgage Loans—Mortgage Interest Rates; Calculations of Interest” in this information circular.

“SOFR Adjustment Conforming Changes” has the meaning assigned to such term under “Description of the Underlying Mortgage Loans—Certain Terms and Conditions of the Underlying Mortgage Loans—Mortgage Interest Rates; Calculations of Interest” in this information circular.

“SOFR Business Day” has the meaning assigned to such term under “Description of the Underlying Mortgage Loans—Certain Terms and Conditions of the Underlying Mortgage Loans—Mortgage Interest Rates; Calculations of Interest” in this information circular.

“SOFR Determination Date” has the meaning assigned to such term under “Description of the Underlying Mortgage Loans—Certain Terms and Conditions of the Underlying Mortgage Loans—Mortgage Interest Rates; Calculations of Interest” in this information circular.

“SOFR Index Source” has the meaning assigned to such term under “Description of the Underlying Mortgage Loans—Certain Terms and Conditions of the Underlying Mortgage Loans—Mortgage Interest Rates; Calculations of Interest” in this information circular.

“SOFR Rate” has the meaning assigned to such term under “Description of the Underlying Mortgage Loans—Certain Terms and Conditions of the Underlying Mortgage Loans—Mortgage Interest Rates; Calculations of Interest” in this information circular.

The Calculation Agent will be required to determine the SOFR Rate with respect to each Interest Accrual Period and the related distribution date by obtaining the SOFR Rate on the SOFR Determination Date applicable to such Interest Accrual Period and the related distribution date using Compounded SOFR or Term SOFR, as applicable, as selected by Freddie Mac. The Calculation Agent may conclusively rely (without investigation, inquiry, independent verification or any duty or obligation to recompute, verify or recalculate), absent manifest error, on the calculation of the SOFR Rate.

“Sole Certificateholder” means the holder (or holders, provided they act in unanimity) of, collectively, 100% of the class XS and CS certificates having an outstanding principal balance or notional amount, as applicable, greater than zero or an assignment of the voting rights in respect of such classes of certificates; *provided* that at the time of determination the outstanding principal balance of the class AS certificates has been reduced to zero.

“SPCs” means Freddie Mac’s series K-F117 structured pass-through certificates.

“Special Servicer Aggregate Annual Cap” means \$300,000 per calendar year.

“Specially Serviced Loan Principal Distribution Amount” means, with respect to each distribution date, any portion of the Principal Distribution Amount that was collected or advanced with respect to any Specially Serviced Mortgage Loan other than any Excluded Specially Serviced Mortgage Loan. For the avoidance of doubt, the Specially Serviced Loan Principal Distribution Amount will be reduced by the Principal Distribution Adjustment Amount applicable to such Specially Serviced Mortgage Loan.

“Specially Serviced Mortgage Loan” means any underlying mortgage loan (other than the Non-Serviced Loan) as to which a Servicing Transfer Event has occurred and is continuing, including any REO Loan or Defaulted Loan. If the Non-Serviced Companion Loan becomes a specially serviced mortgage loan under the Non-Serviced Companion Loan PSA, the Non-Serviced Loan will also become a specially serviced mortgage loan under the Non-Serviced Companion Loan PSA.

“Stated Principal Balance” means, with respect to any underlying mortgage loan (except with respect to any REO Loan), as of any date of determination, an amount equal to (i) the Cut-off Date Principal Balance of such underlying mortgage loan or with respect to a Qualified Substitute Mortgage Loan, the outstanding principal balance of such Qualified Substitute Mortgage Loan after application of all scheduled payments of principal and interest due during or prior to the month of substitution, whether or not received, minus (ii) the sum of:

- (a) the principal portion of each monthly payment due on such underlying mortgage loan after the Cut-off Date (or, with respect to a Qualified Substitute Mortgage Loan, the applicable due date during the month of substitution), to the extent received from the related borrower or advanced by the master servicer or the trustee, as applicable, and distributed to the certificateholders, on or before such date of determination;
- (b) all principal prepayments received with respect to such underlying mortgage loan after the Cut-off Date (or, with respect to a Qualified Substitute Mortgage Loan, the applicable due date during the month of substitution), to the extent distributed to the certificateholders, on or before such date of determination;
- (c) the principal portion of all insurance and condemnation proceeds and Liquidation Proceeds received with respect to such underlying mortgage loan after the Cut-off Date (or, with respect to a Qualified Substitute Mortgage Loan, the applicable due date during the month of substitution), to the extent distributed to the certificateholders, on or before such date of determination;
- (d) any reduction in the outstanding principal balance of such underlying mortgage loan resulting from a valuation of the related mortgaged real property in an amount less than the outstanding principal balance of such underlying mortgage loan by a court of competent jurisdiction, initiated by a bankruptcy proceeding and that occurred prior to the determination date for the most recent distribution date; and
- (e) any reduction in the outstanding principal balance of such underlying mortgage loan due to a modification by the special servicer pursuant to the Pooling and Servicing Agreement, which reduction occurred prior to the determination date for the most recent distribution date.

However, the “Stated Principal Balance” of any underlying mortgage loan will, in all cases, be zero as of the distribution date following the Collection Period in which it is determined that all amounts ultimately collectible with respect to that underlying mortgage loan or any related REO Property have been received.

With respect to any REO Loan, as of any date of determination, “Stated Principal Balance” means an amount equal to (i) the Stated Principal Balance of the predecessor underlying mortgage loan (determined as set forth above), as of the date the related REO Property is acquired by the issuing entity, minus (ii) the sum of:

- (a) the principal portion of any P&I Advance made with respect to such REO Loan on or after the date the related REO Property is acquired by the issuing entity, to the extent distributed to certificateholders on or before such date of determination; and
- (b) the principal portion of all insurance and condemnation proceeds, Liquidation Proceeds and all income, rents and profits derived from the ownership, operation or leasing of the related REO Property received with respect to such REO Loan, to the extent distributed to certificateholders, on or before such date of determination.

With respect to any portion of an REO Loan that is a successor to the Non-Serviced Loan as of any date of determination, the Stated Principal Balance will equal (x) the Stated Principal Balance of the predecessor Non-Serviced Loan as of the date of the related REO acquisition, minus (y) the principal portion of any amounts allocable to the Non-Serviced Loan in accordance with the Co-Lender Agreement.

Any payment or other collection of principal on or with respect to any underlying mortgage loan (including any successor REO Loan) that constitutes part of the Principal Distribution Amount for any distribution date, without regard to the last sentence of the definition of Principal Distribution Amount, and further without regard to any Principal Distribution Adjustment Amount for such distribution date, will be deemed to be distributed to certificateholders on such distribution date for purposes of this definition.

“Static Prepayment Premium” means a form of prepayment consideration, including any Condemnation Prepayment Premium, payable in connection with any voluntary or involuntary principal prepayment that is calculated solely as a specified percentage of the amount prepaid, which percentage may change over time.

“Static Prepayment Premium Period” means, with respect to any underlying mortgage loan that at any time permits voluntary prepayments of principal if accompanied by a Static Prepayment Premium, the period during the loan term when such voluntary principal prepayments may be made if accompanied by such Static Prepayment Premium.

“Sub-Servicing Agreement” means each sub-servicing agreement between the master servicer and the related sub-servicer relating to servicing and administration of underlying mortgage loans by such sub-servicer as provided in the Pooling and Servicing Agreement.

“Successor Servicer Requirements” has the meaning assigned to such term under “The Pooling and Servicing Agreement—Resignation, Removal and Replacement of Servicers; Transfer of Servicing Duties—Resignation of the Master Servicer or the Special Servicer” in this information circular.

“Supplemental Relief Options” has the meaning assigned to such term under “Risk Factors—Risks Related to the Underlying Mortgage Loans—Due to COVID-19, Borrowers May Obtain Forbearance on Their Underlying Mortgage Loans, and May be Unable to Resume Making Payments on their Underlying Mortgage Loans at the End of the Forbearance Period, Which Could Reduce Payments Received by the Issuing Entity” in this information circular.

“Surveillance Fee Mortgage Loan” means any underlying mortgage loan other than (i) a Specially Serviced Mortgage Loan, (ii) an REO Loan or (iii) the Non-Serviced Loan at any time such loan is a specially serviced mortgage loan under the Non-Serviced Companion Loan PSA.

“Term SOFR” has the meaning assigned to such term under “Description of the Underlying Mortgage Loans—Certain Terms and Conditions of the Underlying Mortgage Loans—Mortgage Interest Rates; Calculations of Interest” in this information circular.

“Term SOFR Transition” has the meaning assigned to such term under “Description of the Underlying Mortgage Loans—Certain Terms and Conditions of the Underlying Mortgage Loans—Mortgage Interest Rates; Calculations of Interest” in this information circular.

“Term SOFR Transition Date” has the meaning assigned to such term under “Description of the Underlying Mortgage Loans—Certain Terms and Conditions of the Underlying Mortgage Loans—Mortgage Interest Rates; Calculations of Interest” in this information circular.

“Term SOFR Transition Date Notice” has the meaning assigned to such term under “Description of the Certificates—Distributions—Calculation of Pass-Through Rates” in this information circular.

“Third Additional Period Guidance” has the meaning assigned to such term under “Risk Factors—Risks Related to the Underlying Mortgage Loans—Due to COVID-19, Borrowers May Obtain Forbearance on Their Underlying Mortgage Loans, and May be Unable to Resume Making Payments on their Underlying Mortgage Loans at the End of the Forbearance Period, Which Could Reduce Payments Received by the Issuing Entity” in this information circular.

“Timing Guarantor Interest” means, with respect to each distribution date and the class AS certificates, the sum of (i) (a) with respect to Balloon Guarantor Payments made as a result of a forbearance of a payment default on an underlying mortgage loan permitted under clause (i) of the definition of Servicing Transfer Event during the time of such forbearance, an amount equal to interest at the lesser of (1) the Weighted Average Net Mortgage Pass-Through Rate for such distribution date or (2) the Net Mortgage Pass-Through Rate for the underlying mortgage loan requiring the Balloon Guarantor Payment for such distribution date or (b) otherwise an amount equal to interest at the Weighted Average Net Mortgage Pass-Through Rate for such distribution date, in any such case, calculated on an Actual/360 Basis on any unreimbursed Timing Guarantor Payment for such class and (ii) any such amount set forth in clause (i) for prior distribution dates that remains unreimbursed.

“Timing Guarantor Payment” means, with respect to each distribution date and the class AS certificates, any Balloon Guarantor Payment or Class Final Guarantor Payment.

“Total Units” means, except as described in the next sentence, the estimated number of apartments at the particular mortgaged real property, regardless of the number or size of rooms in the apartments as reflected in information provided by the borrower or in the appraisal on which the most recent Appraised Value is based. In the case of the mortgaged real properties identified on Exhibit A-1 as “Longhaven Estates MHC” and “Tradewinds MHC,” Total Units includes manufactured home pads and recreational vehicle pads and may also include manager apartments, rental apartments, site-built homes or other rentable space that are ancillary to the operation of the mortgaged real property.

“Transfer” generally means, with respect to any underlying mortgage loan, the sale, assignment, transfer or other disposition or divestment of any interest in, change of ownership of, or encumbrance of, the related borrower or the related mortgaged real property, including any collateral substitution, as set forth in the related loan documents.

“Transfer Fee” means, with respect to any underlying mortgage loan, a fee payable under the related loan documents when a Transfer is completed. A Transfer Fee may be referred to as one or more of the following fees, as applicable, (a) “Transfer Fee,” (b) “Conditional Transfer Fee” and/or (c) “Substitution Fee” (or any similar fee related to a collateral substitution) as such terms are defined in the related loan documents.

“Transfer Processing Fee” means, with respect to any underlying mortgage loan and any Transfer Processing Fee Transaction, the fee required to be paid by the related borrower under the terms of the related loan documents for the review and/or processing of the Transfer Processing Fee Transaction, which may also be referred to in the loan documents as (a) a “Transfer Processing Fee,” (b) a “Special Transfer Processing Fee,” (c) a “Release Processing Fee” (or any similar fee related to a cross-collateralized loan property release), (d) a “Substitution Processing Fee” (or any similar fee related to a collateral substitution) and/or (e) for loan agreements having a revision date prior to July 1, 2014, a “Transfer Review Fee.”

“Transfer Processing Fee Transaction” means, with respect to any underlying mortgage loan, any transaction or matter involving (i) the transfer (x) of an interest in the related mortgaged real property, the related borrower, any person that controls the borrower or any person that executes a guaranty pursuant to the terms of the related loan documents or (y) by any related Required Equity Owner of part or all of the interest required to be maintained by such Required Equity Owner, which transfer requires the master servicer’s review, consent and/or approval,

including, without limitation, a borrower’s request for an assumption or waiver of a “due-on-sale” clause with respect to any underlying mortgage loan pursuant to the Pooling and Servicing Agreement, (ii) a borrower’s request for a waiver of a “due-on-encumbrance” clause with respect to any underlying mortgage loan pursuant to the Pooling and Servicing Agreement and/or (iii) any material modification or replacement of an existing Home Sharing Master Lease or approval of a Home Sharing Master Lease during the term of any related underlying mortgage loan, *provided, however*, that any transaction or matter involving (a) the full or partial condemnation of the mortgaged real property or any borrower request for consent to subject the related mortgaged real property to an easement, right of way or similar agreement for utilities, access, parking, public improvements or another purpose, (b) Permitted Transfers, unless the related loan documents specifically provide for payment of a Transfer Processing Fee, and/or (c) permitted subordinate mortgage debt, will not be a Transfer Processing Fee Transaction.

“Treasury” means the U.S. Department of the Treasury.

“Treasury Regulations” has the meaning assigned to such term under “Risk Factors—Risks Related to the Underlying Mortgage Loans—Changes to REMIC Restrictions on Loan Modifications May Impact the Timing of Payments and Ultimate Recovery on the Underlying Mortgage Loans, and Likewise on One or More Classes of Certificates” in this information circular.

“Trust REMIC” means either one of two separate REMICs referred to in this information circular as the “Lower-Tier REMIC” and the “Upper-Tier REMIC.”

“Trustee Aggregate Annual Cap” means \$150,000 per calendar year.

“Trustee/Certificate Administrator/Custodian Aggregate Annual Cap” means if the same person or entity is acting as the trustee, the certificate administrator and the custodian, \$300,000 per calendar year with respect to such person or entity.

“Unadjusted Alternate Index” means the Alternate Index excluding the related Adjustment Factor.

“Underwritten Debt Service Coverage Ratio” means,

- with respect to any underlying mortgage loan, other than an underlying mortgage loan referred to in the following bullet point, the ratio of—
  1. the Underwritten Net Cash Flow for the related mortgaged real property, to
  2. 12 times the monthly debt service payment for such underlying mortgage loan on the Cut-off Date and any related Non-Serviced Companion Loan at an assumed SOFR of 0.25000% *per annum*; and
- with respect to any underlying mortgage loan that is secured by multiple mortgaged real properties through cross-collateralization, the weighted average of, for such underlying mortgage loan and all other underlying mortgage loans with which it is cross-collateralized, the ratios of—
  1. the Underwritten Net Cash Flow for the related mortgaged real property, to
  2. 12 times the monthly debt service payment for such underlying mortgage loan at an assumed SOFR of 0.25000% *per annum*,

in each case, weighted based on the Cut-off Date Principal Balance for such underlying mortgage loan relative to the aggregate Cut-off Date Principal Balance of it and all other underlying mortgage loans with which it is cross-collateralized;

*provided* that, if the underlying mortgage loan is currently in an interest-only period, then the amount in clause 2 of this definition with respect to such underlying mortgage loan will be either (a) if that interest-only period extends to maturity, 12 times the monthly debt service payment for such underlying mortgage loan on the Cut-off Date and any related Non-Serviced Companion Loan, at an assumed SOFR of 0.25000% *per annum*, or (b) if that interest-only period ends prior to maturity, 12 times the monthly debt service payment for such underlying mortgage loan and any related Non-Serviced Companion Loan on the first due date after amortization begins, at an assumed SOFR of 0.25000% *per annum*.

“Underwritten Debt Service Coverage Ratio (IO)” means,

- with respect to any underlying mortgage loan with an interest-only period, other than an underlying mortgage loan referred to in the following bullet point, the ratio of—
  1. the Underwritten Net Cash Flow for the related mortgaged real property, to
  2. 12 times the first monthly debt service payment for such underlying mortgage loan after the origination of such underlying mortgage loan and any related Non-Serviced Companion Loan, at an assumed SOFR of 0.25000% *per annum*; and
- with respect to any underlying mortgage loan with an interest-only period that is secured by multiple mortgaged real properties through cross-collateralization, the weighted average of, for such underlying mortgage loan and all other underlying mortgage loans with which it is cross-collateralized, the ratio of—
  1. the Underwritten Net Cash Flow for the related mortgaged real property, to
  2. 12 times the first monthly debt service payment for such underlying mortgage loan after the origination of such underlying mortgage loan, at an assumed SOFR of 0.25000% *per annum*,

in each case, weighted based on the Cut-off Date Principal Balance for such underlying mortgage loan relative to the aggregate Cut-off Date Principal Balance of it and all other underlying mortgage loans with which it is cross-collateralized.

“Underwritten Net Cash Flow” means, with respect to each of the mortgaged real properties securing an underlying mortgage loan, the estimated total cash flow from that mortgaged real property expected to be available for annual debt service on the related underlying mortgage loan. In general, that estimate (i) was made at the time of origination of the related underlying mortgage loan or in connection with the transactions described in this information circular and (ii) is equal to the excess of (a) the Estimated Annual Revenues for the mortgaged real property over (b) the Estimated Annual Operating Expenses for the mortgaged real property.

The management fees and reserves assumed in calculating Underwritten Net Cash Flow differ in many cases from actual management fees and reserves actually required under the loan documents for the related underlying mortgage loans. In addition, actual conditions at the mortgaged real properties will differ, and may differ substantially, from the conditions assumed in calculating Underwritten Net Cash Flow. Furthermore, the Underwritten Net Cash Flow for each of the mortgaged real properties does not reflect the effects of future competition or economic cycles. Accordingly, we cannot assure you that the Underwritten Net Cash Flow for any of the mortgaged real properties shown on Exhibit A-1 will be representative of the actual future net cash flow for the particular mortgaged real property.

Underwritten Net Cash Flow and the revenues and expenditures used to determine Underwritten Net Cash Flow for each of the mortgaged real properties are derived from generally unaudited information furnished by the related borrower. However, in some cases, an accounting firm performed agreed upon procedures, or employees of the applicable Originator performed cash flow verification procedures, that were intended to identify any errors in the information provided by the related borrower. Audits of information furnished by borrowers could result in changes to the information. These changes could, in turn, result in the Underwritten Net Cash Flow shown on Exhibit A-1 being overstated. Net income for any of the mortgaged real properties as determined under GAAP would not be the same as the Underwritten Net Cash Flow for the mortgaged real property shown on Exhibit A-1. In addition, Underwritten Net Cash Flow is not a substitute for or comparable to operating income as determined in accordance with GAAP as a measure of the results of the mortgaged real property’s operations nor a substitute for cash flows from operating activities determined in accordance with GAAP as a measure of liquidity.

“Underwritten Net Operating Income” means, with respect to each of the mortgaged real properties securing an underlying mortgage loan, the Underwritten Net Cash Flow for the mortgaged real property, increased by any and all of the following items that were included in the Estimated Annual Operating Expenses for the mortgaged real property for purposes of calculating that Underwritten Net Cash Flow (i) underwritten recurring replacement reserve amounts and (ii) capital improvements, including recurring capital improvements.

“United States” or “U.S.” means the United States of America.

“Unpaid Interest Shortfall” has the meaning assigned to such term under “Description of the Certificates—Distributions—Interest Distributions” in this information circular.

“Unreimbursed Indemnification Expenses” means indemnification amounts payable by the issuing entity to the depositor, the master servicer, the special servicer, the custodian, the certificate administrator or the trustee in excess of the Depositor Aggregate Annual Cap, the Trustee Aggregate Annual Cap or the Certificate Administrator/Custodian Aggregate Annual Cap (if different persons or entities are the trustee and certificate administrator/custodian), the Trustee/Certificate Administrator/Custodian Aggregate Annual Cap (if the same person or entity is the trustee and certificate administrator/custodian), the Master Servicer Aggregate Annual Cap and the Special Servicer Aggregate Annual Cap, together with any accrued and unpaid interest on such amounts, which have not been previously reimbursed.

“Upper-Tier REMIC” means the REMIC identified as such and described under “Certain Federal Income Tax Consequences—General” in this information circular.

“Upper-Tier REMIC Regular Interests” has the meaning assigned to such term under “Certain Federal Income Tax Consequences—General” in this information circular.

“U.S. Government Securities Business Day” means any day except for (i) a Saturday, (ii) a Sunday, (iii) a day on which the Securities Industry and Financial Markets Association recommends that the fixed income departments of its members be closed for the entire day for purposes of trading in United States government securities, or (iv) a day on which the New York Federal Reserve Bank is closed for business.

“U.S. Person” means a citizen or resident of the United States, a corporation or partnership created or organized in or under the laws of the United States, any State in the United States or the District of Columbia, including an entity treated as a corporation or partnership for U.S. federal income tax purposes, an estate whose income is subject to U.S. federal income tax regardless of its source, or a trust if a court within the United States is able to exercise primary supervision over the administration of such trust, and one more such U.S. Persons have the authority to control all substantial decisions of such trust (or, to the extent provided in applicable Treasury Regulations, certain trusts in existence on August 20, 1996 that have elected to be treated as U.S. Persons).

“UST” means an underground storage tank.

“Volcker Rule” has the meaning assigned to such term under “Description of the Issuing Entity” in this information circular.

“Waterfall Trigger Event” means, with respect to any distribution date, the existence of any of the following: (i) the number of underlying mortgage loans (other than Specially Serviced Mortgage Loans) held by the issuing entity as of the related determination date is less than or equal to 6 or (ii) the aggregate Stated Principal Balance of the underlying mortgage loans (other than Specially Serviced Mortgage Loans) as of the related determination date is less than or equal to 15.0% of the aggregate Cut-off Date Principal Balance of all underlying mortgage loans outstanding on the Cut-off Date.

“Weighted Average Net Mortgage Pass-Through Rate” has the meaning assigned to such term under “Summary of Information Circular—Transaction Overview” in this information circular.

“Wells Fargo Bank” means Wells Fargo Bank, National Association, a national banking association, and its successors-in-interest.

“Workout-Delayed Reimbursement Amount” has the meaning assigned to such term under “Description of the Certificates—Advances of Delinquent Monthly Debt Service Payments” in this information circular.

“Year Built” means, with respect to any mortgaged real property securing an underlying mortgage loan, the year when construction of the property was principally completed, as reflected in information provided by the borrower or in the appraisal on which the most recent Appraised Value of the property is based or the engineering report.

“Year Renovated” means, with respect to any mortgaged real property securing an underlying mortgage loan, the year when the most recent substantial renovation of the property, if any, was principally completed, as reflected in information provided by the borrower or in the appraisal on which the most recent Appraised Value of the property is based or the engineering report.

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**EXHIBIT A-1**

**CERTAIN CHARACTERISTICS OF THE UNDERLYING  
MORTGAGE LOANS AND THE RELATED MORTGAGED REAL PROPERTIES**

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Loan No. / Property No.	Footnotes	Number of Properties	Property Name	Optigo Lender	Street Address	Property City	Property State	Metropolitan Statistical Area	Zip Code	County
1	(17)(18)	1	The Rheingold A-2	Berkadia Commercial Mortgage LLC	10 Montieith Street	New York	NY	New York-Newark-Jersey City, NY-NJ-PA	11206	Kings
2		1	Town Southern	Walker & Dunlop, LLC	11020 Town Circle	Royal Palm Beach	FL	Miami-Fort Lauderdale-Pompano Beach, FL	33414	Palm Beach
3		1	Gramercy Apartments	ORIX Real Estate Capital, LLC	945 Mohawk Hills Drive	Carmel	IN	Indianapolis-Carmel-Anderson, IN	46032	Hamilton
4	(19)	1	The Salado At Red Berry	Berkadia Commercial Mortgage LLC	902 Gembler Road	San Antonio	TX	San Antonio-New Braunfels, TX	78219	Bexar
5	(20)	1	Astorwood	Berkadia Commercial Mortgage LLC	1228 Southeast Astorwood Place	Stuart	FL	Port St. Lucie, FL	34994	Martin
6		1	Apple Ridge	Berkadia Commercial Mortgage LLC	480 Lancaster Pike	Circleville	OH	Columbus, OH	43113	Pickaway
7	(20)	1	Ridgewood Court	Berkadia Commercial Mortgage LLC	3616 Hogans Run Road	Columbus	OH	Columbus, OH	43221	Franklin
8	(20)	1	Palm Place	Berkadia Commercial Mortgage LLC	7693 Alicia Lane	Sarasota	FL	North Port-Sarasota-Bradenton, FL	34243	Manatee
9	(20)	1	Summit Center	Berkadia Commercial Mortgage LLC	5161 Jaczko Lane	West Palm Beach	FL	Miami-Fort Lauderdale-Pompano Beach, FL	33415	Palm Beach
10	(20)	1	Pine Barrens	Berkadia Commercial Mortgage LLC	11750 Alden Road	Jacksonville	FL	Jacksonville, FL	32246	Duval
11	(20)	1	Sherbrook	Berkadia Commercial Mortgage LLC	100 Sherbrook Court	Wexford	PA	Pittsburgh, PA	15090	Allegheny
12		1	Mariners Cove	CBRE Capital Markets, Inc.	372 Kettle Creek Road	Toms River	NJ	New York-Newark-Jersey City, NY-NJ-PA	08753	Ocean
13		1	4 Corners Apartments	Grandbridge Real Estate Capital LLC	1690 FM 423	Frisco	TX	Dallas-Fort Worth-Arlington, TX	75033	Denton
14		1	Vista Del Rey Apartments	Wells Fargo Bank, National Association	5622 Evers Road	San Antonio	TX	San Antonio-New Braunfels, TX	78238	Bexar
15		1	Thymewood	Berkadia Commercial Mortgage LLC	17940 Northwest 67th Avenue	Hialeah	FL	Miami-Fort Lauderdale-Pompano Beach, FL	33015	Miami-Dade
16		1	Rivers End	Berkadia Commercial Mortgage LLC	5520 Collins Road	Jacksonville	FL	Jacksonville, FL	32244	Duval
17		1	Meadowood	Berkadia Commercial Mortgage LLC	1248 Warble Drive	Columbus	OH	Columbus, OH	43204	Franklin
18	(20)	1	Bridgepoint	Berkadia Commercial Mortgage LLC	1500 Monument Road	Jacksonville	FL	Jacksonville, FL	32225	Duval
19		1	Stonehenge	Berkadia Commercial Mortgage LLC	3 Harshman Street	Dayton	OH	Dayton-Kettering, OH	45403	Montgomery
20		1	Northwood	Berkadia Commercial Mortgage LLC	10431 Southeast 49th Court	Bellevue	FL	Ocala, FL	34420	Marion
21	(21)	1	Oaks At Holcomb Bridge Apartment Homes	Bellwether Enterprise Real Estate Capital, LLC	700 Old Holcomb Bridge Road	Roswell	GA	Atlanta-Sandy Springs-Alpharetta, GA	30076	Fulton
22		1	Barnbeck Place	Greystone Servicing Company LLC	398 Federal Road	Brookfield	CT	Bridgeport-Stamford-Norwalk, CT	06804	Fairfield
23		1	Timber Hollow Apartments	CBRE Capital Markets, Inc.	201 Parkland Hills Drive	Fairfield	OH	Cincinnati, OH-KY-IN	45014	Butler
24		1	The Watson	Greystone Servicing Company LLC	3090 Outlet Parkway	Grand Prairie	TX	Dallas-Fort Worth-Arlington, TX	75052	Tarrant
25		1	Pine Creek Ranch Apartments	Berkeley Point Capital LLC, d/b/a Newmark Knight Frank	3600 College Park Drive	The Woodlands	TX	Houston-The Woodlands-Sugar Land, TX	77384	Montgomery
26	(20)	1	Dogwood Glen	Berkadia Commercial Mortgage LLC	2390 Woodglen Drive	Indianapolis	IN	Indianapolis-Carmel-Anderson, IN	46260	Marion
27		1	Amhurst	Berkadia Commercial Mortgage LLC	4151 Amston Drive	Dayton	OH	Dayton-Kettering, OH	45424	Montgomery
28	(20)	1	Elmtree Park	Berkadia Commercial Mortgage LLC	11023 Elmtree Park Drive	Indianapolis	IN	Indianapolis-Carmel-Anderson, IN	46229	Marion
29		1	Lindendale	Berkadia Commercial Mortgage LLC	3580 Lindendale Drive	Columbus	OH	Columbus, OH	43204	Franklin
30	(20)	1	Mulberry	Berkadia Commercial Mortgage LLC	4070 Leap Road	Hilliard	OH	Columbus, OH	43026	Franklin
31		1	Parkville	Berkadia Commercial Mortgage LLC	1100 Taywood Drive	Englewood	OH	Dayton-Kettering, OH	45322	Montgomery
32	(22)	1	Longhaven Estates MHC	Wells Fargo Bank, National Association	5201 West Camelback Road	Phoenix	AZ	Phoenix-Mesa-Chandler, AZ	85031	Maricopa
33		1	Encore 281	Capital One, National Association	24442 US Highway 281 North	San Antonio	TX	San Antonio-New Braunfels, TX	78258	Bexar
34		1	Azul Apartment Homes	Berkadia Commercial Mortgage LLC	6674 Prue Road	San Antonio	TX	San Antonio-New Braunfels, TX	78240	Bexar
35		1	Park At Oak Ridge	CBRE Capital Markets, Inc.	5856 Old Oak Ridge Road	Greensboro	NC	Greensboro-High Point, NC	27410	Guilford
36		1	Country Villa	CBRE Capital Markets, Inc.	950 North Gilbert Road	Gilbert	AZ	Phoenix-Mesa-Chandler, AZ	85234	Maricopa
37	(23)	1	Whispering Pines	CBRE Capital Markets, Inc.	1530 George Dieter Drive	El Paso	TX	El Paso, TX	79936	El Paso
38		1	Diamond Loch Apartment Homes	JLL Real Estate Capital, LLC	6100 Glenview Drive	North Richland Hills	TX	Dallas-Fort Worth-Arlington, TX	76180	Tarrant
39		1	Woodhollow Apartments	Berkadia Commercial Mortgage LLC	4502 Lake Shore Drive	Waco	TX	Waco, TX	76710	McLennan
40	(21)	1	Metro 7000	Bellwether Enterprise Real Estate Capital, LLC	7000 John T White Road	Fort Worth	TX	Dallas-Fort Worth-Arlington, TX	76120	Tarrant
41		1	The Reserves Of Thomas Glen	Berkadia Commercial Mortgage LLC	123 Thomas Glen Drive	Shepherdsville	KY	Louisville/Jefferson County, KY-IN	40165	Bullitt
42		1	Ashton Heights Apartments	JLL Real Estate Capital, LLC	1000 Southeast Falcon Lane	Bentonville	AR	Fayetteville-Springdale-Rogers, AR	72712	Benton
43	(22)	1	Tradewinds MHC	Wells Fargo Bank, National Association	2191 Harbor Boulevard	Costa Mesa	CA	Los Angeles-Long Beach-Anaheim, CA	92627	Orange
44		1	Summitwoods Apartments	Capital One, National Association	30 Mopsis Court	Norwich	CT	Norwich-New London, CT	06360	New London
45		1	Country Meadows Apartments	Capital One, National Association	909 Holmes Road	Searcy	AR	Searcy, AR	72143	White
46		1	Pinnacle Place Apartments	Berkadia Commercial Mortgage LLC	500 Caldwell Drive	Hephzibah	GA	Augusta-Richmond County, GA-SC	30815	Richmond
47		1	Oakview Place Apartment Homes	Berkadia Commercial Mortgage LLC	3506 Oakview Place	Hephzibah	GA	Augusta-Richmond County, GA-SC	30815	Richmond
48		1	Park Square Townhouses	Capital One, National Association	140 Union Street	Westfield	MA	Springfield, MA	01085	Hampden
49		1	The Bromley	Walker & Dunlop, LLC	1525 2nd Street	Granbury	TX	Granbury, TX	76048	Hood
50		1	Palmetto Gardens & Willwood Gardens	Greystone Servicing Company LLC	2305 West Palmetto Street	Florence	SC	Florence, SC	29501	Florence
51	(20)	1	Ridgewood - Indiana	Berkadia Commercial Mortgage LLC	2729 Ridgewood Drive	Elkhart	IN	Elkhart-Goshen, IN	46517	Elkhart
52	(20)	1	Heathmoore - Indianapolis	Berkadia Commercial Mortgage LLC	5984 Heathmore Drive	Indianapolis	IN	Indianapolis-Carmel-Anderson, IN	46237	Marion
53	(20)	1	Windrush	Berkadia Commercial Mortgage LLC	13971 Windrush Court	Fort Myers	FL	Cape Coral-Fort Myers, FL	33903	Lee
54		1	Willowood	Berkadia Commercial Mortgage LLC	1056 Mindy Lane	Wooster	OH	Wooster, OH	44691	Wayne
55		1	Pine Meadows	Berkadia Commercial Mortgage LLC	15025 Pine Meadows Drive	Fort Myers	FL	Cape Coral-Fort Myers, FL	33908	Lee
56	(20)	1	Heronwood	Berkadia Commercial Mortgage LLC	13809 Heronwood Lane Southwest	Fort Myers	FL	Cape Coral-Fort Myers, FL	33919	Lee
57		1	Waterbury	Berkadia Commercial Mortgage LLC	4140 Mount Carmel Tobasco Road	Cincinnati	OH	Cincinnati, OH-KY-IN	45255	Clermont
58	(20)	1	Willow Run	Berkadia Commercial Mortgage LLC	901 Princeton Road	Madisonville	KY	Madisonville, KY	42431	Hopkins
59	(20)	1	Princeton Court	Berkadia Commercial Mortgage LLC	103 Princeton Court	Evansville	IN	Evansville, IN-KY	47715	Vanderburgh
60	(20)	1	Charing Cross	Berkadia Commercial Mortgage LLC	1017 South Main Street	Bowling Green	OH	Toledo, OH	43402	Wood
61		1	Hartwick	Berkadia Commercial Mortgage LLC	20 Hartwick Drive	Tipton	IN	Kokomo, IN	46072	Tipton

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Loan No. / Property No.	Footnotes	Number of Properties	Property Name	Property Type	Property Subtype	Year Built	Year Renovated	Total Units	Affordable LI Units (<=80% AMI) <sup>(1)</sup>	Affordable LI Units (<=60% AMI) <sup>(1)</sup>	Affordable VLI Units (<=50% AMI) <sup>(1)</sup>	Non-Compliance Provisions (Y/N)	Regulatory Agreement (Y/N)	Cut-Off Date Balance/Unit	Unit of Measure
1	(17)(18)	1	The Rheingold A-2	Multifamily	Mid Rise	2015	N/A	500	100	100	N/A	No	Yes	408,820	Units
2		1	Town Southern	Multifamily	Garden	2019	N/A	392	N/A	N/A	N/A	No	No	209,375	Units
3		1	Gramercy Apartments	Multifamily	Garden	1967	2016	436	426	12	N/A	No	No	115,596	Units
4	(19)	1	The Salado At Red Berry	Multifamily	Garden	2019	N/A	330	169	62	N/A	No	No	144,888	Units
5	(20)	1	Astorwood	Multifamily	Garden	1983	N/A	76	7	1	N/A	No	No	62,488	Units
6		1	Apple Ridge	Multifamily	Garden	1978	N/A	144	144	144	141	No	No	62,488	Units
7	(20)	1	Ridgewood Court	Multifamily	Garden	1983	N/A	120	120	120	14	No	No	62,488	Units
8	(20)	1	Palm Place	Multifamily	Garden	1983	N/A	82	82	10	N/A	No	No	62,488	Units
9	(20)	1	Summit Center	Multifamily	Garden	1987	N/A	90	76	3	N/A	No	No	62,488	Units
10	(20)	1	Pine Barrens	Multifamily	Garden	1987	N/A	106	106	96	1	No	No	62,488	Units
11	(20)	1	Sherbrook	Multifamily	Garden	1985	N/A	75	75	26	N/A	No	No	62,488	Units
12		1	Mariners Cove	Multifamily	Garden	1972	2013	226	38	1	1	No	No	185,071	Units
13		1	4 Corners Apartments	Multifamily	Garden	2015	N/A	390	160	N/A	N/A	No	No	106,915	Units
14		1	Vista Del Rey Apartments	Multifamily	Garden	1979	N/A	453	449	159	1	No	No	76,490	Units
15		1	Thymewood	Multifamily	Garden	1985	2018	164	14	2	2	No	No	60,398	Units
16		1	Rivers End	Multifamily	Garden	1986	N/A	138	138	137	42	No	No	60,398	Units
17		1	Meadowood	Multifamily	Garden	1983	N/A	85	85	85	84	No	No	60,398	Units
18	(20)	1	Bridgepoint	Multifamily	Garden	1985	N/A	73	73	58	N/A	No	No	60,398	Units
19		1	Stonehenge	Multifamily	Garden	1985	N/A	70	70	70	66	No	No	60,398	Units
20		1	Northwood	Multifamily	Garden	1979	N/A	43	43	11	N/A	No	No	60,398	Units
21	(21)	1	Oaks At Holcomb Bridge Apartment Homes	Multifamily	Garden	1979	2020	304	304	102	N/A	Yes	No	107,648	Units
22		1	Barnbeck Place	Multifamily	Garden	2015	N/A	165	134	10	N/A	No	Yes	193,939	Units
23		1	Timber Hollow Apartments	Multifamily	Garden	1986	2021	368	364	137	2	No	No	83,663	Units
24		1	The Watson	Multifamily	Garden	2017	N/A	247	120	6	3	No	No	118,850	Units
25		1	Pine Creek Ranch Apartments	Multifamily	Garden	2005	2019	240	202	N/A	N/A	No	No	106,167	Units
26	(20)	1	Dogwood Glen	Multifamily	Garden	1986	N/A	163	163	163	152	No	No	39,483	Units
27		1	Amhurst	Multifamily	Garden	1979	2021	148	148	148	139	No	No	39,483	Units
28	(20)	1	Elmtree Park	Multifamily	Garden	1987	N/A	127	127	127	125	No	No	39,483	Units
29		1	Lindendale	Multifamily	Garden	1986	2021	79	79	79	79	No	No	39,483	Units
30	(20)	1	Mulberry	Multifamily	Garden	1984	N/A	62	62	62	8	No	No	39,483	Units
31		1	Parkville	Multifamily	Garden	1982	N/A	48	48	48	40	No	No	39,483	Units
32	(22)	1	Longhaven Estates MHC	Multifamily	MHC Age Restricted	1965	N/A	314	314	313	313	Yes	No	68,471	Pads
33		1	Encore 281	Multifamily	Garden	2015	N/A	228	164	N/A	N/A	No	No	94,079	Units
34		1	Azul Apartment Homes	Multifamily	Garden	2007	2020	246	230	N/A	N/A	No	No	84,146	Units
35		1	Park At Oak Ridge	Multifamily	Garden	1987	2018	232	207	N/A	N/A	No	No	75,862	Units
36		1	Country Villa	Multifamily	Garden	1985	N/A	130	112	1	N/A	No	No	132,500	Units
37	(23)	1	Whispering Pines	Multifamily	Garden	1986	N/A	264	264	1	N/A	No	No	55,379	Units
38		1	Diamond Loch Apartment Homes	Multifamily	Garden	1978	2019	138	138	39	N/A	No	No	103,536	Units
39		1	Woodhollow Apartments	Multifamily	Garden	1984	N/A	220	219	N/A	N/A	No	No	64,091	Units
40	(21)	1	Metro 7000	Multifamily	Garden	1980	2019	206	206	165	41	Yes	No	67,626	Units
41		1	The Reserves Of Thomas Glen	Multifamily	Garden	2013	N/A	192	192	187	N/A	No	No	72,156	Units
42		1	Ashton Heights Apartments	Multifamily	Garden	2003	2021	240	240	213	14	No	Yes	50,546	Units
43	(22)	1	Tradewinds MHC	Multifamily	Manufactured Housing Community	1955	N/A	82	5	1	1	Yes	No	140,805	Pads
44		1	Summitwoods Apartments	Multifamily	Garden	1991	N/A	120	120	90	1	No	Yes	81,433	Units
45		1	Country Meadows Apartments	Multifamily	Garden	1998	N/A	224	224	224	180	No	No	39,308	Units
46		1	Pinnacle Place Apartments	Multifamily	Garden	1986	N/A	120	120	116	2	No	No	69,750	Units
47		1	Oakview Place Apartment Homes	Multifamily	Garden	1985	N/A	124	124	119	5	No	No	65,323	Units
48		1	Park Square Townhouses	Multifamily	Townhome	1973	N/A	80	80	5	N/A	No	No	87,550	Units
49		1	The Bromley	Multifamily	Garden	1984	2019	88	88	88	11	No	No	76,875	Units
50		1	Palmetto Gardens & Willwood Gardens	Multifamily	Garden	1984	N/A	121	121	N/A	N/A	No	No	54,934	Units
51	(20)	1	Ridgewood - Indiana	Multifamily	Garden	1987	N/A	171	171	132	23	No	No	33,667	Units
52	(20)	1	Heathmoore - Indianapolis	Multifamily	Garden	1985	N/A	137	137	137	122	No	No	40,263	Units
53	(20)	1	Windrush	Multifamily	Garden	1982	N/A	70	70	8	5	No	No	57,229	Units
54		1	Willowood	Multifamily	Garden	1984	N/A	106	106	106	20	No	No	35,651	Units
55		1	Pine Meadows	Multifamily	Garden	1985	N/A	63	63	3	N/A	No	No	58,603	Units
56	(20)	1	Heronwood	Multifamily	Garden	1982	N/A	62	62	3	N/A	No	No	57,855	Units
57		1	Waterbury	Multifamily	Garden	1985	N/A	72	72	72	48	No	No	46,472	Units
58	(20)	1	Willow Run	Multifamily	Garden	1984	N/A	74	74	74	10	No	No	33,770	Units
59	(20)	1	Princeton Court	Multifamily	Garden	1985	N/A	64	64	64	64	No	No	33,344	Units
60	(20)	1	Charing Cross	Multifamily	Garden	1978	N/A	69	69	69	29	No	No	29,797	Units
61		1	Hartwick	Multifamily	Garden	1982	N/A	45	45	45	37	No	No	27,022	Units

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Loan No. / Property No.	Footnotes	Number of Properties	Property Name	Occupancy %	Occupancy As of Date	Loan Purpose (Acquisition, Refinance)	Single Purpose Borrowing Entity / Single Asset Borrowing Entity	Crossed Loans <sup>(2)</sup>	Affiliated Borrower Loans <sup>(3)</sup>	Payment Date	Late Charge Grace Period	Note Date	First Payment Date	Maturity Date	Original Loan Amount
1	(17)(18)	1	The Rheingold A-2	89.8%	4/28/2021	Refinance	SPE	N/A	N/A	1	10	4/23/2021	10/1/2019	9/1/2029	102,205,000
2		1	Town Southern	95.7%	5/10/2021	Acquisition	SPE	N/A	N/A	1	10	5/19/2021	7/1/2021	6/1/2031	82,075,000
3		1	Gramercy Apartments	95.9%	3/26/2021	Acquisition	SPE	N/A	N/A	1	10	5/27/2021	7/1/2021	6/1/2031	50,400,000
4	(19)	1	The Salado At Red Berry	92.4%	4/12/2021	Acquisition	SPE	N/A	N/A	1	10	4/30/2021	6/1/2021	5/1/2031	47,813,000
5	(20)	1	Astorwood	97.4%	3/24/2021	Acquisition	SPE	Group 1	Group 1	1	10	4/29/2021	6/1/2021	5/1/2031	7,593,000
6		1	Apple Ridge	100.0%	3/24/2021	Acquisition	SPE	Group 1	Group 1	1	10	4/29/2021	6/1/2021	5/1/2031	6,864,000
7	(20)	1	Ridgewood Court	99.2%	3/24/2021	Acquisition	SPE	Group 1	Group 1	1	10	4/29/2021	6/1/2021	5/1/2031	6,515,000
8	(20)	1	Palm Place	97.6%	3/24/2021	Acquisition	SPE	Group 1	Group 1	1	10	4/29/2021	6/1/2021	5/1/2031	6,288,000
9	(20)	1	Summit Center	93.3%	3/24/2021	Acquisition	SPE	Group 1	Group 1	1	10	4/29/2021	6/1/2021	5/1/2031	5,923,000
10	(20)	1	Pine Barrens	96.2%	3/24/2021	Acquisition	SPE	Group 1	Group 1	1	10	4/29/2021	6/1/2021	5/1/2031	5,559,000
11	(20)	1	Sherbrook	94.7%	3/24/2021	Acquisition	SPE	Group 1	Group 1	1	10	4/29/2021	6/1/2021	5/1/2031	4,562,000
12		1	Mariners Cove	96.9%	4/13/2021	Acquisition	SPE	N/A	N/A	1	10	5/27/2021	7/1/2021	6/1/2031	41,826,000
13		1	4 Corners Apartments	94.1%	4/7/2021	Refinance	SPE	N/A	Group 2	1	10	5/13/2021	7/1/2021	6/1/2031	41,697,000
14		1	Vista Del Rey Apartments	90.9%	5/31/2021	Acquisition	SPE	N/A	N/A	1	10	4/26/2021	6/1/2021	5/1/2031	34,650,000
15		1	Thymewood	93.3%	3/24/2021	Acquisition	SPE	Group 2	Group 1	1	10	4/29/2021	6/1/2021	5/1/2031	16,264,000
16		1	Rivers End	100.0%	3/24/2021	Acquisition	SPE	Group 2	Group 1	1	10	4/29/2021	6/1/2021	5/1/2031	7,220,000
17		1	Meadowood	96.5%	3/24/2021	Acquisition	SPE	Group 2	Group 1	1	10	4/29/2021	6/1/2021	5/1/2031	3,603,000
18	(20)	1	Bridgepoint	100.0%	3/24/2021	Acquisition	SPE	Group 2	Group 1	1	10	4/29/2021	6/1/2021	5/1/2031	3,436,000
19		1	Stonehenge	95.7%	3/24/2021	Acquisition	SPE	Group 2	Group 1	1	10	4/29/2021	6/1/2021	5/1/2031	2,417,000
20		1	Northwood	100.0%	3/24/2021	Acquisition	SPE	Group 2	Group 1	1	10	4/29/2021	6/1/2021	5/1/2031	1,668,000
21	(21)	1	Oaks At Holcomb Bridge Apartment Homes	99.0%	3/16/2021	Acquisition	SPE	N/A	Group 4	1	10	5/14/2021	7/1/2021	6/1/2031	32,725,000
22		1	Barnbeck Place	99.4%	4/21/2021	Acquisition	SPE	N/A	N/A	1	10	5/12/2021	7/1/2021	6/1/2031	32,000,000
23		1	Timber Hollow Apartments	97.0%	4/13/2021	Refinance	SPE	N/A	Group 3	1	10	5/7/2021	7/1/2021	6/1/2031	30,788,000
24		1	The Watson	93.9%	4/1/2021	Acquisition	SPE	N/A	N/A	1	10	4/15/2021	6/1/2021	5/1/2031	29,356,000
25		1	Pine Creek Ranch Apartments	95.0%	4/13/2021	Acquisition	SPE	N/A	Group 2	1	10	4/29/2021	6/1/2021	5/1/2031	25,480,000
26	(20)	1	Dogwood Glen	98.2%	3/24/2021	Acquisition	SPE	Group 3	Group 1	1	10	4/29/2021	6/1/2021	5/1/2031	7,342,000
27		1	Amhurst	95.9%	3/24/2021	Acquisition	SPE	Group 3	Group 1	1	10	4/29/2021	6/1/2021	5/1/2031	5,032,000
28	(20)	1	Elmtree Park	96.1%	3/24/2021	Acquisition	SPE	Group 3	Group 1	1	10	4/29/2021	6/1/2021	5/1/2031	4,692,000
29		1	Lindendale	100.0%	3/24/2021	Acquisition	SPE	Group 3	Group 1	1	10	4/29/2021	6/1/2021	5/1/2031	3,298,000
30	(20)	1	Mulberry	100.0%	3/24/2021	Acquisition	SPE	Group 3	Group 1	1	10	4/29/2021	6/1/2021	5/1/2031	2,658,000
31		1	Parkville	97.9%	3/24/2021	Acquisition	SPE	Group 3	Group 1	1	10	4/29/2021	6/1/2021	5/1/2031	1,734,000
32	(22)	1	Longhaven Estates MHC	89.5%	6/29/2021	Acquisition	SPE	N/A	Group 6	1	10	5/7/2021	7/1/2021	6/1/2031	21,500,000
33		1	Encore 281	93.9%	3/17/2021	Acquisition	SPE	N/A	Group 5	1	10	4/22/2021	6/1/2021	5/1/2031	21,450,000
34		1	Azul Apartment Homes	94.3%	5/5/2021	Acquisition	SPE	N/A	Group 5	1	10	6/3/2021	8/1/2021	7/1/2031	20,700,000
35		1	Park At Oak Ridge	95.3%	6/23/2021	Refinance	SPE (\$20M or less)	N/A	Group 3	1	15	5/7/2021	7/1/2021	6/1/2031	17,600,000
36		1	Country Villa	98.5%	3/15/2021	Acquisition	SPE (\$20M or less)	N/A	N/A	1	10	5/26/2021	7/1/2021	6/1/2031	17,225,000
37	(23)	1	Whispering Pines	99.6%	6/22/2021	Acquisition	SPE (\$20M or less)	N/A	N/A	1	10	4/28/2021	6/1/2021	5/1/2031	14,620,000
38		1	Diamond Loch Apartment Homes	94.9%	4/13/2021	Acquisition	SPE (\$20M or less)	N/A	N/A	1	10	5/20/2021	7/1/2021	6/1/2031	14,288,000
39		1	Woodhollow Apartments	97.3%	4/19/2021	Acquisition	SPE (\$20M or less)	N/A	Group 7	1	10	5/14/2021	7/1/2021	6/1/2031	14,100,000
40	(21)	1	Metro 7000	95.1%	3/26/2021	Acquisition	SPE (\$20M or less)	N/A	Group 4	1	10	5/6/2021	7/1/2021	6/1/2031	13,931,000
41		1	The Reserves Of Thomas Glen	96.4%	4/1/2021	Acquisition	SPE (\$20M or less)	N/A	N/A	1	10	5/13/2021	7/1/2021	6/1/2031	13,854,000
42		1	Ashton Heights Apartments	90.0%	3/13/2021	Refinance	SPE (\$20M or less)	N/A	N/A	1	10	5/12/2021	7/1/2021	6/1/2031	12,131,000
43	(22)	1	Tradewinds MHC	85.4%	4/13/2021	Acquisition	SPE (\$20M or less)	N/A	Group 6	1	10	5/21/2021	7/1/2021	6/1/2031	11,546,000
44		1	Summitwoods Apartments	99.2%	4/1/2021	Acquisition	SPE (\$20M or less)	N/A	N/A	1	10	5/5/2021	7/1/2021	6/1/2031	9,772,000
45		1	Country Meadows Apartments	97.8%	6/29/2021	Acquisition	SPE (\$20M or less)	N/A	N/A	1	10	5/13/2021	7/1/2021	6/1/2031	8,805,000
46		1	Pinnacle Place Apartments	97.5%	4/14/2021	Acquisition	SPE (\$20M or less)	N/A	Group 8	1	10	5/25/2021	7/1/2021	6/1/2031	8,370,000
47		1	Oakview Place Apartment Homes	96.8%	4/14/2021	Acquisition	SPE (\$20M or less)	N/A	Group 8	1	10	5/25/2021	7/1/2021	6/1/2031	8,100,000
48		1	Park Square Townhouses	98.8%	4/15/2021	Acquisition	SPE (\$20M or less)	N/A	N/A	1	10	5/19/2021	7/1/2021	6/1/2031	7,004,000
49		1	The Bromley	95.5%	4/2/2021	Refinance	SPE (\$20M or less)	N/A	Group 7	1	10	4/30/2021	6/1/2021	5/1/2031	6,765,000
50		1	Palmetto Gardens & Willwood Gardens	99.2%	4/30/2021	Acquisition	SPE (\$20M or less)	N/A	N/A	1	10	5/19/2021	7/1/2021	6/1/2031	6,647,000
51	(20)	1	Ridgewood - Indiana	88.3%	3/24/2021	Acquisition	SPE	N/A	Group 1	1	10	4/29/2021	6/1/2021	5/1/2031	5,757,000
52	(20)	1	Heathmoore - Indianapolis	96.4%	3/24/2021	Acquisition	SPE	N/A	Group 1	1	10	4/29/2021	6/1/2021	5/1/2031	5,516,000
53	(20)	1	Windrush	98.6%	3/24/2021	Acquisition	SPE	N/A	Group 1	1	10	4/29/2021	6/1/2021	5/1/2031	4,006,000
54		1	Willowood	96.2%	3/24/2021	Acquisition	SPE	N/A	Group 1	1	10	4/29/2021	6/1/2021	5/1/2031	3,779,000
55		1	Pine Meadows	96.8%	3/24/2021	Acquisition	SPE	N/A	Group 1	1	10	4/29/2021	6/1/2021	5/1/2031	3,692,000
56	(20)	1	Heronwood	100.0%	3/24/2021	Acquisition	SPE	N/A	Group 1	1	10	4/29/2021	6/1/2021	5/1/2031	3,587,000
57		1	Waterbury	95.8%	3/24/2021	Acquisition	SPE	N/A	Group 1	1	10	4/29/2021	6/1/2021	5/1/2031	3,346,000
58	(20)	1	Willow Run	93.2%	3/24/2021	Acquisition	SPE	N/A	Group 1	1	10	4/29/2021	6/1/2021	5/1/2031	2,499,000
59	(20)	1	Princeton Court	98.4%	3/24/2021	Acquisition	SPE	N/A	Group 1	1	10	4/29/2021	6/1/2021	5/1/2031	2,134,000
60	(20)	1	Charing Cross	98.6%	3/24/2021	Acquisition	SPE	N/A	Group 1	1	10	4/29/2021	6/1/2021	5/1/2031	2,056,000
61		1	Hartwick	93.3%	3/24/2021	Acquisition	SPE	N/A	Group 1	1	10	4/29/2021	6/1/2021	5/1/2031	1,216,000

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Exhibit A-1

Loan No. / Property No.	Footnotes	Number of Properties	Property Name	Cut-Off Date Loan Amount	% of Cut-Off Date Pool Balance	Maturity Balance	Interest Adjustment Period (months)	First Interest Adjustment Date In Trust	Rate Index <sup>(4)</sup>	Margin	Gross Interest Rate	Administration Fee Rate <sup>(5)</sup>	Net Mortgage Interest Rate
1	(17)(18)	1	The Rheingold A-2	102,205,000	10.9%	102,205,000	1	8/1/2021	30-Day Avg SOFR In Advance	1.69000%	1.94000%	0.14501%	1.79499%
2		1	Town Southern	82,075,000	8.7%	72,961,112	1	8/1/2021	30-Day Avg SOFR In Advance	2.63000%	2.88000%	0.15501%	2.72499%
3		1	Gramercy Apartments	50,400,000	5.4%	42,545,379	1	8/1/2021	30-Day Avg SOFR In Advance	2.83000%	3.08000%	0.14501%	2.93499%
4	(19)	1	The Salado At Red Berry	47,813,000	5.1%	42,609,248	1	8/1/2021	30-Day Avg SOFR In Advance	2.76000%	3.01000%	0.16501%	2.84499%
5	(20)	1	Astorwood	7,593,000	0.8%	6,765,330	1	8/1/2021	30-Day Avg SOFR In Advance	2.75000%	3.00000%	0.20501%	2.79499%
6		1	Apple Ridge	6,864,000	0.7%	6,115,794	1	8/1/2021	30-Day Avg SOFR In Advance	2.75000%	3.00000%	0.20501%	2.79499%
7	(20)	1	Ridgewood Court	6,515,000	0.7%	5,804,836	1	8/1/2021	30-Day Avg SOFR In Advance	2.75000%	3.00000%	0.20501%	2.79499%
8	(20)	1	Palm Place	6,288,000	0.7%	5,602,580	1	8/1/2021	30-Day Avg SOFR In Advance	2.75000%	3.00000%	0.20501%	2.79499%
9	(20)	1	Summit Center	5,923,000	0.6%	5,277,367	1	8/1/2021	30-Day Avg SOFR In Advance	2.75000%	3.00000%	0.20501%	2.79499%
10	(20)	1	Pine Barrens	5,559,000	0.6%	4,953,045	1	8/1/2021	30-Day Avg SOFR In Advance	2.75000%	3.00000%	0.20501%	2.79499%
11	(20)	1	Sherbrook	4,562,000	0.5%	4,064,722	1	8/1/2021	30-Day Avg SOFR In Advance	2.75000%	3.00000%	0.20501%	2.79499%
12		1	Mariners Cove	41,826,000	4.5%	37,427,567	1	8/1/2021	30-Day Avg SOFR In Advance	2.98000%	3.23000%	0.16501%	3.06499%
13		1	4 Corners Apartments	41,697,000	4.4%	37,045,418	1	8/1/2021	30-Day Avg SOFR In Advance	2.60000%	2.85000%	0.16501%	2.68499%
14		1	Vista Del Rey Apartments	34,650,000	3.7%	30,902,202	1	8/1/2021	30-Day Avg SOFR In Advance	2.80000%	3.05000%	0.16501%	2.88499%
15		1	Thymewood	16,264,000	1.7%	14,491,153	1	8/1/2021	30-Day Avg SOFR In Advance	2.75000%	3.00000%	0.20501%	2.79499%
16		1	Rivers End	7,220,000	0.8%	6,432,988	1	8/1/2021	30-Day Avg SOFR In Advance	2.75000%	3.00000%	0.20501%	2.79499%
17		1	Meadowood	3,603,000	0.4%	3,210,257	1	8/1/2021	30-Day Avg SOFR In Advance	2.75000%	3.00000%	0.20501%	2.79499%
18	(20)	1	Bridgepoint	3,436,000	0.4%	3,061,461	1	8/1/2021	30-Day Avg SOFR In Advance	2.75000%	3.00000%	0.20501%	2.79499%
19		1	Stonehenge	2,417,000	0.3%	2,153,536	1	8/1/2021	30-Day Avg SOFR In Advance	2.75000%	3.00000%	0.20501%	2.79499%
20		1	Northwood	1,668,000	0.2%	1,486,181	1	8/1/2021	30-Day Avg SOFR In Advance	2.75000%	3.00000%	0.20501%	2.79499%
21	(21)	1	Oaks At Holcomb Bridge Apartment Homes	32,725,000	3.5%	29,079,910	1	8/1/2021	30-Day Avg SOFR In Advance	2.61000%	2.86000%	0.16501%	2.69499%
22		1	Barnbeck Place	32,000,000	3.4%	28,506,451	1	8/1/2021	30-Day Avg SOFR In Advance	2.74000%	2.99000%	0.16501%	2.82499%
23		1	Timber Hollow Apartments	30,788,000	3.3%	27,452,743	1	8/1/2021	30-Day Avg SOFR In Advance	2.79000%	3.04000%	0.19501%	2.84499%
24		1	The Watson	29,356,000	3.1%	26,205,435	1	8/1/2021	30-Day Avg SOFR In Advance	2.85000%	3.10000%	0.13501%	2.96499%
25		1	Pine Creek Ranch Apartments	25,480,000	2.7%	22,728,327	1	8/1/2021	30-Day Avg SOFR In Advance	2.81000%	3.06000%	0.17501%	2.88499%
26	(20)	1	Dogwood Glen	7,342,000	0.8%	6,541,690	1	8/1/2021	30-Day Avg SOFR In Advance	2.75000%	3.00000%	0.20501%	2.79499%
27		1	Amhurst	5,032,000	0.5%	4,483,490	1	8/1/2021	30-Day Avg SOFR In Advance	2.75000%	3.00000%	0.20501%	2.79499%
28	(20)	1	Elmtree Park	4,692,000	0.5%	4,180,551	1	8/1/2021	30-Day Avg SOFR In Advance	2.75000%	3.00000%	0.20501%	2.79499%
29		1	Lindendale	3,298,000	0.4%	2,938,504	1	8/1/2021	30-Day Avg SOFR In Advance	2.75000%	3.00000%	0.20501%	2.79499%
30	(20)	1	Mulberry	2,658,000	0.3%	2,368,266	1	8/1/2021	30-Day Avg SOFR In Advance	2.75000%	3.00000%	0.20501%	2.79499%
31		1	Parkville	1,734,000	0.2%	1,544,986	1	8/1/2021	30-Day Avg SOFR In Advance	2.75000%	3.00000%	0.20501%	2.79499%
32	(22)	1	Longhaven Estates MHC	21,500,000	2.3%	19,112,567	1	8/1/2021	30-Day Avg SOFR In Advance	2.63000%	2.88000%	0.18501%	2.69499%
33		1	Encore 281	21,450,000	2.3%	19,097,331	1	8/1/2021	30-Day Avg SOFR In Advance	2.71000%	2.96000%	0.18501%	2.77499%
34		1	Azul Apartment Homes	20,700,000	2.2%	18,419,045	1	8/1/2021	30-Day Avg SOFR In Advance	2.68000%	2.93000%	0.18501%	2.74499%
35		1	Park At Oak Ridge	17,600,000	1.9%	15,693,396	1	8/1/2021	30-Day Avg SOFR In Advance	2.79000%	3.04000%	0.19501%	2.84499%
36		1	Country Villa	17,225,000	1.8%	15,338,656	1	8/1/2021	30-Day Avg SOFR In Advance	2.72000%	2.97000%	0.19501%	2.77499%
37	(23)	1	Whispering Pines	14,620,000	1.6%	12,742,376	1	8/1/2021	30-Day Avg SOFR In Advance	2.98000%	3.23000%	0.20501%	3.02499%
38		1	Diamond Loch Apartment Homes	14,288,000	1.5%	12,759,352	1	8/1/2021	30-Day Avg SOFR In Advance	2.87000%	3.12000%	0.20501%	2.91499%
39		1	Woodhollow Apartments	14,100,000	1.5%	12,584,389	1	8/1/2021	30-Day Avg SOFR In Advance	2.84000%	3.09000%	0.20501%	2.88499%
40	(21)	1	Metro 7000	13,931,000	1.5%	12,388,811	1	8/1/2021	30-Day Avg SOFR In Advance	2.65000%	2.90000%	0.20501%	2.69499%
41		1	The Reserves Of Thomas Glen	13,854,000	1.5%	12,353,199	1	8/1/2021	30-Day Avg SOFR In Advance	2.79000%	3.04000%	0.20501%	2.83499%
42		1	Ashton Heights Apartments	12,131,000	1.3%	10,232,244	1	8/1/2021	30-Day Avg SOFR In Advance	2.80000%	3.05000%	0.20501%	2.84499%
43	(22)	1	Tradewinds MHC	11,546,000	1.2%	10,252,022	1	8/1/2021	30-Day Avg SOFR In Advance	2.57000%	2.82000%	0.20501%	2.61499%
44		1	Summitwoods Apartments	9,772,000	1.0%	8,175,594	1	8/1/2021	30-Day Avg SOFR In Advance	2.50000%	2.75000%	0.22501%	2.52499%
45		1	Country Meadows Apartments	8,805,000	0.9%	7,620,369	1	8/1/2021	30-Day Avg SOFR In Advance	2.67000%	2.92000%	0.22501%	2.69499%
46		1	Pinnacle Place Apartments	8,370,000	0.9%	7,263,864	1	8/1/2021	30-Day Avg SOFR In Advance	2.79000%	3.04000%	0.22501%	2.81499%
47		1	Oakview Place Apartment Homes	8,100,000	0.9%	7,029,546	1	8/1/2021	30-Day Avg SOFR In Advance	2.79000%	3.04000%	0.22501%	2.81499%
48		1	Park Square Townhouses	7,004,000	0.7%	5,962,183	1	8/1/2021	30-Day Avg SOFR In Advance	3.15000%	3.40000%	0.22501%	3.17499%
49		1	The Bromley	6,765,000	0.7%	5,707,659	1	8/1/2021	30-Day Avg SOFR In Advance	2.81000%	3.06000%	0.22501%	2.83499%
50		1	Palmetto Gardens & Willwood Gardens	6,647,000	0.7%	5,646,606	1	8/1/2021	30-Day Avg SOFR In Advance	3.07000%	3.32000%	0.22501%	3.09499%
51	(20)	1	Ridgewood - Indiana	5,757,000	0.6%	5,143,950	1	8/1/2021	30-Day Avg SOFR In Advance	2.90000%	3.15000%	0.20501%	2.94499%
52	(20)	1	Heathmoore - Indianapolis	5,516,000	0.6%	4,928,613	1	8/1/2021	30-Day Avg SOFR In Advance	2.90000%	3.15000%	0.20501%	2.94499%
53	(20)	1	Windrush	4,006,000	0.4%	3,579,410	1	8/1/2021	30-Day Avg SOFR In Advance	2.90000%	3.15000%	0.20501%	2.94499%
54		1	Willowood	3,779,000	0.4%	3,376,583	1	8/1/2021	30-Day Avg SOFR In Advance	2.90000%	3.15000%	0.20501%	2.94499%
55		1	Pine Meadows	3,692,000	0.4%	3,298,847	1	8/1/2021	30-Day Avg SOFR In Advance	2.90000%	3.15000%	0.20501%	2.94499%
56	(20)	1	Heronwood	3,587,000	0.4%	3,205,028	1	8/1/2021	30-Day Avg SOFR In Advance	2.90000%	3.15000%	0.20501%	2.94499%
57		1	Waterbury	3,346,000	0.4%	2,989,692	1	8/1/2021	30-Day Avg SOFR In Advance	2.90000%	3.15000%	0.20501%	2.94499%
58	(20)	1	Willow Run	2,499,000	0.3%	2,232,887	1	8/1/2021	30-Day Avg SOFR In Advance	2.90000%	3.15000%	0.20501%	2.94499%
59	(20)	1	Princeton Court	2,134,000	0.2%	1,906,755	1	8/1/2021	30-Day Avg SOFR In Advance	2.90000%	3.15000%	0.20501%	2.94499%
60	(20)	1	Charing Cross	2,056,000	0.2%	1,837,061	1	8/1/2021	30-Day Avg SOFR In Advance	2.90000%	3.15000%	0.20501%	2.94499%
61		1	Hartwick	1,216,000	0.1%	1,086,511	1	8/1/2021	30-Day Avg SOFR In Advance	2.90000%	3.15000%	0.20501%	2.94499%

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Exhibit A-1

Loan No. / Property No.	Footnotes	Number of Properties	Property Name	Rate Rounding Methodology	Interest Accrual Period Day Of Month (Start/End) <sup>(6)</sup>	Rate Cap (Lifetime) <sup>(7)</sup>	Index Floor	Index Cap (Y/N)	Index Cap Expiration Date	Index Cap Strike Price <sup>(8)</sup>	Accrual Basis	Loan Amortization Type	Monthly Debt Service Amount (Amortizing) <sup>(9)</sup>	Monthly Debt Service Amount (IO) <sup>(9)</sup>
1	(17)(18)	1	The Rheingold A-2	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	7/1/2023	4.100%	Actual/360	Interest Only	167,526.30	167,526.30
2		1	Town Southern	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	6/1/2024	1.870%	Actual/360	Partial IO	340,742.39	199,715.83
3		1	Gramercy Apartments	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	6/1/2024	2.670%	Actual/360	Partial IO	214,669.16	131,156.67
4	(19)	1	The Salado At Red Berry	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	5/8/2024	2.490%	Actual/360	Partial IO	201,839.50	121,596.65
5	(20)	1	Astorwood	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	5/1/2024	2.750%	Actual/360	Partial IO	32,012.39	19,246.15
6		1	Apple Ridge	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	5/1/2024	3.250%	Actual/360	Partial IO	28,938.90	17,398.33
7	(20)	1	Ridgewood Court	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	5/1/2024	3.250%	Actual/360	Partial IO	27,467.50	16,513.72
8	(20)	1	Palm Place	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	5/1/2024	2.750%	Actual/360	Partial IO	26,510.46	15,938.33
9	(20)	1	Summit Center	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	5/1/2024	3.000%	Actual/360	Partial IO	24,971.61	15,013.16
10	(20)	1	Pine Barrens	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	5/1/2024	2.500%	Actual/360	Partial IO	23,436.97	14,090.52
11	(20)	1	Sherbrook	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	5/1/2024	2.500%	Actual/360	Partial IO	19,233.58	11,563.40
12		1	Mariners Cove	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	6/1/2024	2.520%	Actual/360	Partial IO	181,570.60	114,145.28
13		1	4 Corners Apartments	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	6/1/2024	3.400%	Actual/360	Partial IO	172,441.02	100,405.80
14		1	Vista Del Rey Apartments	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	5/1/2024	2.200%	Actual/360	Partial IO	147,021.84	89,291.93
15		1	Thymewood	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	5/1/2024	3.000%	Actual/360	Partial IO	68,569.68	41,224.72
16		1	Rivers End	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	5/1/2024	2.750%	Actual/360	Partial IO	30,439.81	18,300.69
17		1	Meadowood	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	5/1/2024	2.250%	Actual/360	Partial IO	15,190.39	9,132.60
18	(20)	1	Bridgepoint	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	5/1/2024	3.500%	Actual/360	Partial IO	14,486.31	8,709.31
19		1	Stonehenge	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	5/1/2024	2.750%	Actual/360	Partial IO	10,190.17	6,126.42
20		1	Northwood	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	5/1/2024	2.250%	Actual/360	Partial IO	7,032.36	4,227.92
21	(21)	1	Oaks At Holcomb Bridge Apartment Homes	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	6/1/2024	2.390%	Actual/360	Partial IO	135,511.32	79,077.84
22		1	Barnbeck Place	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	6/1/2024	2.510%	Actual/360	Partial IO	134,740.77	80,840.74
23		1	Timber Hollow Apartments	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	6/1/2024	4.460%	Actual/360	Partial IO	130,468.58	79,079.55
24		1	The Watson	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	5/1/2024	2.150%	Actual/360	Partial IO	125,354.93	76,889.62
25		1	Pine Creek Ranch Apartments	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	5/1/2024	2.190%	Actual/360	Partial IO	108,250.98	65,876.42
26	(20)	1	Dogwood Glen	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	5/1/2024	4.250%	Actual/360	Partial IO	30,954.17	18,609.93
27		1	Amhurst	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	5/1/2024	3.000%	Actual/360	Partial IO	21,215.11	12,754.72
28	(20)	1	Elmtree Park	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	5/1/2024	5.000%	Actual/360	Partial IO	19,781.66	11,892.92
29		1	Lindendale	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	5/1/2024	2.750%	Actual/360	Partial IO	13,904.50	8,359.51
30	(20)	1	Mulberry	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	5/1/2024	4.000%	Actual/360	Partial IO	11,206.24	6,737.29
31		1	Parkville	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	5/1/2024	4.250%	Actual/360	Partial IO	7,310.61	4,395.21
32	(22)	1	Longhaven Estates MHC	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	6/1/2024	2.370%	Actual/360	Partial IO	89,259.35	52,316.67
33		1	Encore 281	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	5/1/2024	2.290%	Actual/360	Partial IO	89,971.98	53,644.86
34		1	Azul Apartment Homes	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	7/1/2024	2.570%	Actual/360	Partial IO	86,492.50	51,244.48
35		1	Park At Oak Ridge	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	6/1/2024	3.460%	Actual/360	Partial IO	74,582.53	45,205.93
36		1	Country Villa	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	6/1/2024	2.530%	Actual/360	Partial IO	72,342.90	43,223.98
37	(23)	1	Whispering Pines	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	5/1/2024	4.270%	Actual/360	Partial IO	63,466.79	39,998.72
38		1	Diamond Loch Apartment Homes	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	6/1/2024	2.380%	Actual/360	Partial IO	61,167.42	37,664.76
39		1	Woodhollow Apartments	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	6/1/2024	2.660%	Actual/360	Partial IO	60,132.76	36,811.77
40	(21)	1	Metro 7000	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	6/1/2024	2.100%	Actual/360	Partial IO	57,985.00	34,134.17
41		1	The Reserves Of Thomas Glen	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	6/1/2024	2.460%	Actual/360	Partial IO	58,708.32	35,584.26
42		1	Ashton Heights Apartments	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	6/1/2024	3.450%	Actual/360	Partial IO	51,472.49	31,261.19
43	(22)	1	Tradewinds MHC	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	6/1/2024	2.430%	Actual/360	Partial IO	47,564.72	27,609.95
44		1	Summitwoods Apartments	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	6/1/2024	3.250%	Actual/360	Partial IO	39,893.33	22,705.20
45		1	Country Meadows Apartments	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	6/1/2024	3.830%	Actual/360	Partial IO	36,743.42	21,723.08
46		1	Pinnacle Place Apartments	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	6/1/2024	2.960%	Actual/360	Partial IO	35,469.08	21,498.50
47		1	Oakview Place Apartment Homes	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	6/1/2024	2.960%	Actual/360	Partial IO	34,324.92	20,805.00
48		1	Park Square Townhouses	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	6/1/2024	3.350%	Actual/360	Partial IO	31,061.43	20,120.29
49		1	The Bromley	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	5/1/2024	4.190%	Actual/360	Partial IO	28,740.89	17,490.34
50		1	Palmetto Gardens & Willwood Gardens	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	6/1/2024	2.930%	Actual/360	Partial IO	29,184.15	18,645.45
51	(20)	1	Ridgewood - Indiana	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	5/1/2023	4.850%	Actual/360	Partial IO	24,739.95	15,322.02
52	(20)	1	Heathmoore - Indianapolis	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	5/1/2023	4.850%	Actual/360	Partial IO	23,704.29	14,680.60
53	(20)	1	Windrush	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	5/1/2023	4.100%	Actual/360	Partial IO	17,215.26	10,661.80
54		1	Willowood	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	5/1/2023	3.850%	Actual/360	Partial IO	16,239.76	10,057.65
55		1	Pine Meadows	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	5/1/2023	3.350%	Actual/360	Partial IO	15,865.89	9,826.10
56	(20)	1	Heronwood	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	5/1/2023	3.850%	Actual/360	Partial IO	15,414.66	9,546.65
57		1	Waterbury	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	5/1/2023	4.100%	Actual/360	Partial IO	14,379.00	8,905.24
58	(20)	1	Willow Run	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	5/1/2023	3.350%	Actual/360	Partial IO	10,739.12	6,650.98
59	(20)	1	Princeton Court	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	5/1/2023	4.350%	Actual/360	Partial IO	9,170.59	5,679.55
60	(20)	1	Charing Cross	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	5/1/2023	4.850%	Actual/360	Partial IO	8,835.39	5,471.96
61		1	Hartwick	Truncated to 5th decimal	First/Last (Arrears)	N/A	0.000%	Yes	5/1/2023	3.350%	Actual/360	Partial IO	5,225.60	3,236.33

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Exhibit A-1

Loan No. / Property No.	Footnotes	Number of Properties	Property Name	Actual First Monthly Payment to Trust <sup>(9)</sup>	Monthly Debt Service Amount (at Cap) <sup>(9)</sup>	Amortization Term (Original)	Amortization Term (Remaining)	Loan Term (Original)	Loan Term (Remaining)	IO Period	Seasoning	Prepayment Provision <sup>(10)</sup>	Appraisal Valuation Date	Appraisal Valuation Type	Appraised Value
1	(17)(18)	1	The Rheingold A-2	151,141.97	499,988.28	0	0	120	98	120	22	3%(11) 2%(36) 1%(69) O(4)	6/5/2020	As-Stabilized	309,300,000
2		1	Town Southern	187,808.64	415,861.97	360	360	120	119	60	1	L(11) 1%(105) O(4)	4/14/2021	As-Is	122,300,000
3		1	Gramercy Apartments	124,008.12	286,165.66	360	360	120	119	36	1	L(11) 1%(105) O(4)	3/17/2021	As-Is	67,000,000
4	(19)	1	The Salado At Red Berry	114,760.80	264,025.16	360	360	120	118	60	2	L(11) 1%(105) O(4)	3/9/2021	As-Is	63,500,000
5	(20)	1	Astorwood	18,159.34	43,112.22	360	360	120	118	60	2	L(11) 1%(105) O(4)	2/24/2021	As-Is	9,500,000
6		1	Apple Ridge	16,415.87	41,153.15	360	360	120	118	60	2	L(11) 1%(105) O(4)	2/21/2021	As-Is	8,600,000
7	(20)	1	Ridgewood Court	15,581.21	39,060.72	360	360	120	118	60	2	L(11) 1%(105) O(4)	2/21/2021	As-Is	8,350,000
8	(20)	1	Palm Place	15,038.32	35,702.57	360	360	120	118	60	2	L(11) 1%(105) O(4)	2/16/2021	As-Is	8,550,000
9	(20)	1	Summit Center	14,165.39	34,565.02	360	360	120	118	60	2	L(11) 1%(105) O(4)	2/18/2021	As-Is	9,500,000
10	(20)	1	Pine Barrens	13,294.85	30,697.00	360	360	120	118	60	2	L(11) 1%(105) O(4)	2/23/2021	As-Is	8,300,000
11	(20)	1	Sherbrook	10,910.43	25,191.53	360	360	120	118	60	2	L(11) 1%(105) O(4)	2/19/2021	As-Is	6,800,000
12		1	Mariners Cove	108,314.50	237,483.43	360	360	120	119	60	1	L(11) 1%(105) O(4)	2/23/2021	As-Is	61,500,000
13		1	4 Corners Apartments	94,336.25	249,994.58	360	360	120	119	60	1	L(11) 1%(105) O(4)	3/22/2021	As-Is	72,100,000
14		1	Vista Del Rey Apartments	84,360.46	186,008.69	360	360	120	118	60	2	L(11) 1%(105) O(4)	3/8/2021	As-Is	46,200,000
15		1	Thymewood	38,896.82	94,912.29	360	360	120	118	60	2	L(11) 1%(105) O(4)	2/24/2021	As-Is	21,000,000
16		1	Rivers End	17,267.28	40,994.37	360	360	120	118	60	2	L(11) 1%(105) O(4)	2/23/2021	As-Is	10,200,000
17		1	Meadowood	8,616.90	19,341.68	360	360	120	118	60	2	L(11) 1%(105) O(4)	2/21/2021	As-Is	4,650,000
18	(20)	1	Bridgepoint	8,217.50	21,156.04	360	360	120	118	60	2	L(11) 1%(105) O(4)	2/23/2021	As-Is	5,400,000
19		1	Stonehenge	5,780.47	13,723.46	360	360	120	118	60	2	L(11) 1%(105) O(4)	2/24/2021	As-Is	3,060,000
20		1	Northwood	3,989.17	8,954.18	360	360	120	118	60	2	L(11) 1%(105) O(4)	2/19/2021	As-Is	2,575,000
21	(21)	1	Oaks At Holcomb Bridge Apartment Homes	74,319.59	175,674.88	360	360	120	119	60	1	L(11) 1%(105) O(4)	3/14/2021	As-Is	47,200,000
22		1	Barnbeck Place	76,255.32	176,705.18	360	360	120	119	60	1	L(11) 1%(105) O(4)	2/22/2021	As-Is	40,800,000
23		1	Timber Hollow Apartments	74,692.74	210,028.43	360	360	120	119	60	1	L(11) 1%(105) O(4)	3/24/2021	As-Is	42,400,000
24		1	The Watson	72,735.39	157,589.36	360	360	120	118	60	2	L(11) 1%(105) O(4)	3/1/2021	As-Is	42,500,000
25		1	Pine Creek Ranch Apartments	62,254.17	136,782.15	360	360	120	118	60	2	L(11) 1%(105) O(4)	3/18/2021	As-Is	37,600,000
26	(20)	1	Dogwood Glen	17,559.05	48,846.51	360	360	120	118	60	2	L(11) 1%(105) O(4)	2/22/2021	As-Is	9,580,000
27		1	Amhurst	12,034.48	29,365.39	360	360	120	118	60	2	L(11) 1%(105) O(4)	2/24/2021	As-Is	6,450,000
28	(20)	1	Eimtree Park	11,221.34	33,614.06	360	360	120	118	60	2	L(11) 1%(105) O(4)	2/22/2021	As-Is	6,350,000
29		1	Lindendale	7,887.46	18,725.68	360	360	120	118	60	2	L(11) 1%(105) O(4)	2/21/2021	As-Is	4,250,000
30	(20)	1	Mulberry	6,356.85	17,239.74	360	360	120	118	60	2	L(11) 1%(105) O(4)	2/21/2021	As-Is	3,650,000
31		1	Parkville	4,147.02	11,536.35	360	360	120	118	60	2	L(11) 1%(105) O(4)	2/24/2021	As-Is	2,400,000
32	(22)	1	Longhaven Estates MHC	49,197.51	115,416.65	360	360	120	119	60	1	L(11) 1%(105) O(4)	3/11/2021	As-Is	45,100,000
33		1	Encore 281	50,560.77	115,148.24	360	360	120	118	60	2	L(23) 1%(93) O(4)	2/25/2021	As-Is	33,600,000
34		1	Azul Apartment Homes	48,258.16	114,306.17	360	360	120	120	60	0	L(23) 1%(93) O(4)	2/12/2021	As-Is	33,600,000
35		1	Park At Oak Ridge	42,698.20	108,366.23	360	360	120	119	60	1	L(11) 1%(105) O(4)	3/19/2021	As-Is	26,950,000
36		1	Country Villa	40,750.15	95,117.09	360	360	120	119	60	1	L(11) 1%(105) O(4)	3/2/2021	As-Is	26,500,000
37	(23)	1	Whispering Pines	37,860.61	99,734.17	360	360	120	118	48	2	L(8) 1%(108) O(4)	1/25/2021	As-Is	21,000,000
38		1	Diamond Loch Apartment Homes	35,647.46	78,898.86	360	360	120	119	60	1	L(11) 1%(105) O(4)	1/27/2021	As-Is	19,800,000
39		1	Woodhollow Apartments	34,814.17	80,058.25	360	360	120	119	60	1	L(11) 1%(105) O(4)	3/26/2021	As-Is	18,800,000
40	(21)	1	Metro 7000	32,117.62	72,670.69	360	360	120	119	60	1	L(11) 1%(105) O(4)	3/8/2021	As-Is	20,500,000
41		1	The Reserves Of Thomas Glen	33,610.28	76,502.30	360	360	120	119	60	1	L(11) 1%(105) O(4)	3/16/2021	As-Is	20,900,000
42		1	Ashton Heights Apartments	29,534.68	74,692.65	360	360	120	119	36	1	L(11) 1%(105) O(4)	3/16/2021	As-Is	17,600,000
43	(22)	1	Tradewinds MHC	25,823.66	61,981.42	360	360	120	119	60	1	L(11) 1%(105) O(4)	8/13/2020	As-Is	20,100,000
44		1	Summitwoods Apartments	21,266.92	57,026.74	360	360	120	119	36	1	L(11) 1%(105) O(4)	3/3/2021	As-Is	13,300,000
45		1	Country Meadows Apartments	20,451.38	55,653.59	360	360	120	119	48	1	L(11) 1%(105) O(4)	4/6/2021	As-Is	11,740,000
46		1	Pinnacle Place Apartments	20,305.91	48,845.05	360	360	120	119	48	1	L(11) 1%(105) O(4)	3/19/2021	As-Is	11,540,000
47		1	Oakview Place Apartment Homes	19,650.88	47,269.40	360	360	120	119	48	1	L(11) 1%(105) O(4)	3/19/2021	As-Is	11,070,000
48		1	Park Square Townhouses	19,163.18	44,270.04	360	360	120	119	36	1	L(11) 1%(105) O(4)	3/22/2021	As-Is	8,880,000
49		1	The Bromley	16,528.63	45,007.71	360	360	120	118	36	2	L(11) 1%(105) O(4)	3/19/2021	As-Is	9,500,000
50		1	Palmetto Gardens & Willwood Gardens	17,728.51	39,852.12	360	360	120	119	36	1	L(11) 1%(105) O(4)	3/17/2021	As-Is	9,250,000
51	(20)	1	Ridgewood - Indiana	14,511.99	41,243.85	360	360	120	118	60	2	1%(116) O(4)	2/19/2021	As-Is	9,020,000
52	(20)	1	Heathmoore - Indianapolis	13,904.49	39,517.30	360	360	120	118	60	2	1%(116) O(4)	2/22/2021	As-Is	8,360,000
53	(20)	1	Windrush	10,098.15	26,652.02	360	360	120	118	60	2	1%(116) O(4)	2/16/2021	As-Is	5,900,000
54		1	Willowood	9,525.94	24,510.52	360	360	120	118	60	2	1%(116) O(4)	2/22/2021	As-Is	5,400,000
55		1	Pine Meadows	9,306.63	22,732.28	360	360	120	118	60	2	1%(116) O(4)	2/16/2021	As-Is	5,500,000
56	(20)	1	Heronwood	9,041.95	23,265.21	360	360	120	118	60	2	1%(116) O(4)	2/16/2021	As-Is	5,200,000
57		1	Waterbury	8,434.45	22,261.02	360	360	120	118	60	2	1%(116) O(4)	2/22/2021	As-Is	4,850,000
58	(20)	1	Willow Run	6,299.37	15,386.77	360	360	120	118	60	2	1%(116) O(4)	2/23/2021	As-Is	3,570,000
59	(20)	1	Princeton Court	5,379.29	14,557.64	360	360	120	118	60	2	1%(116) O(4)	2/23/2021	As-Is	3,090,000
60	(20)	1	Charing Cross	5,182.68	14,729.44	360	360	120	118	60	2	1%(116) O(4)	2/19/2021	As-Is	3,090,000
61		1	Hartwick	3,065.24	7,487.12	360	360	120	118	60	2	1%(116) O(4)	2/19/2021	As-Is	1,970,000

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Exhibit A-1

Loan No. / Property No.	Footnotes	Number of Properties	Property Name	Cut-Off Date LTV	Maturity LTV	UW NCF DSCR	UW NCF DSCR (IO)	UW EGI	UW Expenses	UW NOI	UW NCF	Most Recent Financial End Date	Most Recent EGI	Most Recent Expenses	Most Recent NOI	Most Recent NCF
1	(17)(18)	1	The Rheingold A-2	66.1%	66.1%	3.57x	3.57x	17,109,966	2,651,193	14,458,773	14,371,273	3/31/2021	16,673,318	2,539,644	14,133,674	14,133,674
2		1	Town Southern	67.1%	59.7%	1.25x	2.14x	8,978,086	3,800,795	5,177,291	5,117,707	3/31/2021	7,242,206	4,163,799	3,078,407	3,078,407
3		1	Gramercy Apartments	75.2%	63.5%	1.34x	2.19x	6,090,515	2,538,337	3,552,178	3,440,327	3/31/2021	7,674,741	3,096,192	4,578,549	4,578,549
4	(19)	1	The Salado At Red Berry	75.3%	67.1%	1.31x	2.18x	4,554,017	1,247,242	3,306,775	3,180,630	3/31/2021	3,781,794	1,242,793	2,539,001	2,136,390
5	(20)	1	Astorwood	73.3%	65.3%	1.38x	2.30x	1,088,012	535,778	552,233	525,633	2/28/2021	1,117,150	477,259	639,891	639,891
6		1	Apple Ridge	73.3%	65.3%	1.38x	2.30x	1,128,234	580,817	547,417	497,017	2/28/2021	1,126,968	484,425	642,543	642,543
7	(20)	1	Ridgewood Court	73.3%	65.3%	1.38x	2.30x	1,118,819	600,429	518,390	476,390	2/28/2021	1,146,082	542,620	603,462	603,462
8	(20)	1	Palm Place	73.3%	65.3%	1.38x	2.30x	944,002	482,116	461,886	433,186	2/28/2021	960,564	428,122	532,442	532,442
9	(20)	1	Summit Center	73.3%	65.3%	1.38x	2.30x	955,851	502,995	452,856	421,356	2/28/2021	987,820	480,183	507,637	507,637
10	(20)	1	Pine Barrens	73.3%	65.3%	1.38x	2.30x	911,620	497,997	413,623	376,523	2/28/2021	900,278	444,123	456,155	456,155
11	(20)	1	Sherbrook	73.3%	65.3%	1.38x	2.30x	726,851	396,402	330,448	304,198	2/28/2021	759,146	486,483	272,663	272,663
12		1	Mariners Cove	68.0%	60.9%	1.33x	2.12x	4,734,566	1,772,506	2,962,060	2,906,464	3/31/2021	4,680,891	1,888,147	2,792,744	2,752,621
13		1	4 Corners Apartments	57.8%	51.4%	1.47x	2.52x	6,579,798	3,441,434	3,138,364	3,040,864	3/31/2021	5,463,929	3,349,887	2,114,042	2,114,042
14		1	Vista Del Rey Apartments	75.0%	66.9%	1.29x	2.12x	5,438,123	3,046,508	2,391,615	2,273,835	2/28/2021	4,722,350	2,449,000	2,273,350	2,273,350
15		1	Thymewood	74.2%	66.1%	1.38x	2.30x	2,078,593	865,131	1,213,462	1,156,062	2/28/2021	2,120,768	822,185	1,298,582	1,298,582
16		1	Rivers End	74.2%	66.1%	1.38x	2.30x	1,144,902	602,936	541,966	493,666	2/28/2021	1,161,031	500,071	660,960	660,960
17		1	Meadowood	74.2%	66.1%	1.38x	2.30x	697,315	429,049	268,266	238,516	2/28/2021	706,252	415,412	290,840	290,840
18	(20)	1	Bridgepoint	74.2%	66.1%	1.38x	2.30x	671,549	388,318	283,230	257,680	2/28/2021	675,723	368,495	307,228	307,228
19		1	Stonehenge	74.2%	66.1%	1.38x	2.30x	529,182	336,079	193,103	168,603	2/28/2021	530,089	309,984	220,105	220,105
20		1	Northwood	74.2%	66.1%	1.38x	2.30x	339,054	213,835	125,219	110,169	2/28/2021	341,533	207,592	133,942	133,942
21	(21)	1	Oaks At Holcomb Bridge Apartment Homes	69.3%	61.6%	1.31x	2.24x	4,048,237	1,860,189	2,188,040	2,126,032	2/28/2021	3,966,206	1,849,688	2,116,518	2,116,518
22		1	Barnbeck Place	78.4%	69.9%	1.32x	2.20x	3,232,990	1,064,246	2,168,744	2,131,619	3/31/2021	3,284,793	1,015,255	2,269,538	2,269,538
23		1	Timber Hollow Apartments	72.6%	64.7%	1.61x	2.66x	4,811,630	2,188,921	2,622,710	2,520,406	3/31/2021	4,711,174	1,848,390	2,862,783	2,862,783
24		1	The Watson	69.1%	61.7%	1.27x	2.07x	3,975,988	2,021,727	1,954,262	1,908,653	2/28/2021	3,892,511	2,187,510	1,705,001	1,705,001
25		1	Pine Creek Ranch Apartments	67.8%	60.4%	1.30x	2.13x	3,208,432	1,460,273	1,748,159	1,684,559	3/31/2021	3,185,558	1,586,891	1,598,666	1,598,666
26	(20)	1	Dogwood Glen	75.8%	67.5%	1.54x	2.57x	1,231,155	580,582	650,573	593,523	2/28/2021	1,226,776	568,973	657,803	657,803
27		1	Amhurst	75.8%	67.5%	1.54x	2.57x	1,022,352	617,455	404,897	353,097	2/28/2021	1,010,495	533,681	476,814	476,814
28	(20)	1	Eimtree Park	75.8%	67.5%	1.54x	2.57x	957,336	502,976	454,360	409,910	2/28/2021	967,817	509,508	458,310	458,310
29		1	Lindendale	75.8%	67.5%	1.54x	2.57x	603,338	348,485	254,854	227,204	2/28/2021	629,402	335,134	294,268	294,268
30	(20)	1	Mulberry	75.8%	67.5%	1.54x	2.57x	571,809	342,663	229,146	207,446	2/28/2021	583,916	332,976	250,940	250,940
31		1	Parkville	75.8%	67.5%	1.54x	2.57x	367,218	208,804	158,414	141,614	2/28/2021	370,457	180,343	190,114	190,114
32	(22)	1	Longhaven Estates MHC	47.7%	42.4%	1.30x	2.21x	2,034,286	630,901	1,403,385	1,387,685	2/28/2021	1,943,590	630,753	1,312,837	1,312,837
33		1	Encore 281	63.8%	56.8%	1.30x	2.18x	3,153,003	1,715,770	1,437,233	1,400,525	3/31/2021	3,129,135	1,745,349	1,383,787	1,376,875
34		1	Azul Apartment Homes	61.6%	54.8%	1.36x	2.29x	3,171,084	1,712,457	1,458,628	1,409,428	3/31/2021	3,128,654	1,601,361	1,527,293	1,527,293
35		1	Park At Oak Ridge	65.3%	58.2%	1.49x	2.46x	2,696,927	1,297,155	1,399,772	1,334,812	3/31/2021	2,678,066	1,261,336	1,416,729	1,416,729
36		1	Country Villa	65.0%	57.9%	1.31x	2.20x	1,857,739	696,833	1,160,906	1,141,406	3/31/2021	1,811,491	726,143	1,085,348	1,085,348
37	(23)	1	Whispering Pines	69.6%	60.7%	1.60x	2.55x	2,400,423	1,091,915	1,308,508	1,221,816	3/31/2021	2,442,908	1,356,798	1,086,110	1,086,110
38		1	Diamond Loch Apartment Homes	72.2%	64.4%	1.31x	2.14x	2,029,935	1,025,009	1,004,926	965,042	3/31/2021	1,979,617	1,115,758	863,860	863,860
39		1	Woodhollow Apartments	75.0%	66.9%	1.34x	2.19x	2,330,434	1,310,241	1,020,193	967,173	3/31/2021	2,255,476	1,246,868	1,008,608	1,008,608
40	(21)	1	Metro 7000	68.0%	60.4%	1.28x	2.17x	2,133,955	1,195,829	938,125	889,715	3/31/2021	2,173,143	1,207,923	965,221	965,221
41		1	The Reserves Of Thomas Glen	66.3%	59.1%	1.32x	2.17x	1,900,209	942,856	957,354	928,554	3/31/2021	1,893,360	839,043	1,054,317	1,054,317
42		1	Ashton Heights Apartments	68.9%	58.1%	1.46x	2.40x	2,140,176	1,179,574	960,601	901,237	3/31/2021	1,930,240	1,135,959	794,281	794,281
43	(22)	1	Tradewinds MHC	57.4%	51.0%	1.32x	2.28x	1,198,784	442,147	756,637	752,094	3/31/2021	1,162,983	654,160	908,823	908,823
44		1	Summitwoods Apartments	73.5%	61.5%	1.46x	2.57x	1,504,359	771,647	732,712	699,189	2/28/2021	1,465,700	877,969	587,731	587,731
45		1	Country Meadows Apartments	75.0%	64.9%	1.55x	2.62x	1,477,888	729,389	748,499	683,315	3/31/2021	1,480,577	651,526	829,051	802,606
46		1	Pinnacle Place Apartments	72.5%	62.9%	1.40x	2.31x	1,118,460	492,366	626,094	596,094	3/31/2021	1,108,341	573,662	534,679	263,194
47		1	Oakview Place Apartment Homes	73.2%	63.5%	1.39x	2.29x	1,147,584	545,395	602,189	571,189	3/31/2021	1,111,666	570,464	541,202	332,762
48		1	Park Square Townhouses	78.9%	67.1%	1.43x	2.21x	939,344	380,220	559,124	534,164	3/31/2021	957,750	369,407	588,343	588,343
49		1	The Bromley	71.2%	60.1%	1.57x	2.57x	1,035,186	473,090	562,097	540,097	3/31/2021	1,027,336	400,272	627,064	627,064
50		1	Palmetto Gardens & Willwood Gardens	71.9%	61.0%	1.38x	2.16x	1,070,273	547,743	522,530	483,810	3/31/2021	1,077,415	474,750	602,664	602,664
51	(20)	1	Ridgewood - Indiana	63.8%	57.0%	1.70x	2.75x	1,226,769	661,636	565,134	505,284	2/28/2021	1,126,098	652,224	473,874	473,874
52	(20)	1	Heathmoore - Indianapolis	66.0%	59.0%	1.67x	2.70x	1,015,415	491,419	523,996	476,046	2/28/2021	1,063,106	491,094	572,012	572,012
53	(20)	1	Windrush	67.9%	60.7%	1.55x	2.51x	736,742	391,207	345,535	321,035	2/28/2021	750,278	339,253	411,025	411,025
54		1	Willowood	70.0%	62.5%	1.52x	2.46x	798,626	464,486	334,141	297,041	2/28/2021	835,355	418,320	417,035	417,035
55		1	Pine Meadows	67.1%	60.0%	1.43x	2.32x	692,310	397,246	295,064	273,014	2/28/2021	692,802	387,101	305,701	305,701
56	(20)	1	Heronwood	69.0%	61.6%	1.51x	2.44x	669,113	367,866	301,246	279,546	2/28/2021	671,027	344,768	326,258	326,258
57		1	Waterbury	69.0%	61.6%	1.56x	2.52x	676,181	381,364	294,817	269,617	2/28/2021	668,238	324,206	344,032	344,032
58	(20)	1	Willow Run	70.0%	62.5%	1.47x	2.37x	495,519	280,709	214,809	188,909	2/28/2021	466,490	254,354	212,137	212,137
59	(20)	1	Princeton Court	69.1%	61.7%	1.61x	2.60x	475,124	275,493	199,631	177,231	2/28/2021	475,805	284,319	191,486	191,486
60	(20)	1	Charing Cross	66.5%	59.5%	1.70x	2.74x	488,890	284,941	203,949	179,799	2/28/2021	498,948	247,392	251,556	251,556
61		1	Hartwick	61.7%	55.2%	1.43x	2.32x	338,743	233,009	105,734	89,984	2/28/2021	339,220	234,856	104,364	104,364

Loan No. / Property No.	Footnotes	Number of Properties	Property Name	2nd Most Recent Financial End Date	2nd Most Recent EGI	2nd Most Recent Expenses	2nd Most Recent NOI	2nd Most Recent NCF	3rd Most Recent Financial End Date	3rd Most Recent EGI	3rd Most Recent Expenses	3rd Most Recent NOI	3rd Most Recent NCF
1	(17)(18)	1	The Rheingold A-2	12/31/2020	16,774,006	2,556,017	14,217,990	14,217,990	N/A	N/A	N/A	N/A	N/A
2		1	Town Southern	12/31/2020	6,641,116	4,029,223	2,611,892	2,611,892	N/A	N/A	N/A	N/A	N/A
3		1	Gramercy Apartments	12/31/2020	7,630,032	3,093,389	4,536,643	4,536,643	12/31/2019	7,326,857	3,062,191	4,264,666	4,264,666
4	(19)	1	The Salado At Red Berry	12/31/2020	3,297,305	998,616	2,298,689	2,298,689	N/A	N/A	N/A	N/A	N/A
5	(20)	1	Astorwood	12/31/2020	1,105,844	480,159	625,684	625,684	12/31/2019	981,173	412,630	568,543	568,543
6		1	Apple Ridge	12/31/2020	1,121,915	490,887	631,028	631,028	12/31/2019	1,080,071	527,505	552,567	552,567
7	(20)	1	Ridgewood Court	12/31/2020	1,142,398	551,624	590,774	590,774	12/31/2019	1,104,460	531,950	572,510	572,510
8	(20)	1	Palm Place	12/31/2020	957,413	446,170	511,243	511,243	12/31/2019	926,193	403,227	522,966	522,966
9	(20)	1	Summit Center	12/31/2020	985,666	488,465	497,202	497,202	12/31/2019	951,084	445,485	505,599	505,599
10	(20)	1	Pine Barrens	12/31/2020	892,160	452,039	440,121	440,121	12/31/2019	877,671	417,340	460,331	460,331
11	(20)	1	Sherbrook	12/31/2020	783,750	479,301	304,449	304,449	12/31/2019	751,696	356,463	395,233	395,233
12		1	Mariners Cove	12/31/2020	4,610,542	1,847,838	2,762,703	2,732,023	12/31/2019	4,609,083	1,764,216	2,844,867	2,808,743
13		1	4 Corners Apartments	2/28/2021	5,213,379	3,325,852	1,887,527	1,887,527	12/31/2020	4,706,803	3,251,607	1,455,196	1,455,196
14		1	Vista Del Rey Apartments	12/31/2020	4,327,649	2,433,169	1,894,480	1,894,480	12/31/2019	3,441,914	1,631,291	1,810,623	1,810,623
15		1	Thymewood	12/31/2020	2,157,003	843,863	1,313,140	1,313,140	12/31/2019	2,087,046	746,998	1,340,048	1,340,048
16		1	Rivers End	12/31/2020	1,153,277	524,576	628,700	628,700	12/31/2019	1,121,636	496,167	625,469	625,469
17		1	Meadowood	12/31/2020	709,358	413,306	296,052	296,052	12/31/2019	689,165	404,644	284,521	284,521
18	(20)	1	Bridgepoint	12/31/2020	672,251	382,731	289,520	289,520	12/31/2019	641,990	334,883	307,107	307,107
19		1	Stonehenge	12/31/2020	524,715	324,018	200,697	200,697	12/31/2019	501,679	293,202	208,477	208,477
20		1	Northwood	12/31/2020	337,652	208,752	128,900	128,900	12/31/2019	325,585	199,608	125,976	125,976
21	(21)	1	Oaks At Holcomb Bridge Apartment Homes	12/31/2020	3,890,159	1,922,167	1,967,992	1,967,992	12/31/2019	3,581,909	1,611,602	1,970,307	1,970,307
22		1	Barnbeck Place	12/31/2020	3,242,351	1,033,862	2,208,489	2,208,489	12/31/2019	3,176,067	1,061,003	2,115,064	2,115,064
23		1	Timber Hollow Apartments	12/31/2020	4,644,638	1,862,519	2,782,119	2,782,119	12/31/2019	4,354,293	1,740,614	2,613,679	2,613,679
24		1	The Watson	12/31/2020	3,881,093	2,189,991	1,691,102	1,691,102	12/31/2019	3,878,486	2,158,363	1,720,122	1,720,122
25		1	Pine Creek Ranch Apartments	12/31/2020	3,164,745	1,562,074	1,602,671	1,602,671	12/31/2019	3,197,464	1,564,713	1,632,751	1,632,751
26	(20)	1	Dogwood Glen	12/31/2020	1,219,708	585,631	634,077	634,077	12/31/2019	1,180,414	583,150	597,264	597,264
27		1	Amhurst	12/31/2020	1,008,234	559,828	448,406	448,406	12/31/2019	962,402	542,553	419,849	419,849
28	(20)	1	Eimtree Park	12/31/2020	971,581	542,760	428,821	428,821	12/31/2019	983,301	534,074	449,227	449,227
29		1	Lindendale	12/31/2020	630,493	332,013	298,480	298,480	12/31/2019	609,936	343,328	266,608	266,608
30	(20)	1	Mulberry	12/31/2020	584,789	327,953	256,836	256,836	12/31/2019	581,476	321,262	260,214	260,214
31		1	Parkville	12/31/2020	367,994	193,392	174,602	174,602	12/31/2019	355,040	183,142	171,898	171,898
32	(22)	1	Longhaven Estates MHC	12/31/2020	1,920,211	645,035	1,275,176	1,275,176	12/31/2019	2,034,772	621,979	1,412,794	1,412,794
33		1	Encore 281	12/31/2020	3,109,202	1,761,330	1,347,872	1,341,199	12/31/2019	3,108,706	1,633,023	1,467,683	1,469,784
34		1	Azul Apartment Homes	12/31/2020	3,125,397	1,556,766	1,568,631	1,568,631	12/31/2019	3,138,158	1,579,123	1,559,035	1,559,035
35		1	Park At Oak Ridge	12/31/2020	2,644,829	1,240,122	1,404,707	1,404,707	12/31/2019	2,388,732	1,119,753	1,268,979	1,268,979
36		1	Country Villa	12/31/2020	1,766,289	722,736	1,043,553	1,043,553	12/31/2019	1,559,209	706,692	852,517	852,517
37	(23)	1	Whispering Pines	12/31/2020	2,410,168	1,315,375	1,094,794	1,094,794	12/31/2019	2,411,597	1,364,629	1,046,968	1,046,968
38		1	Diamond Loch Apartment Homes	12/31/2020	1,915,389	1,110,024	805,365	805,365	12/31/2019	1,827,430	1,023,966	803,464	803,464
39		1	Woodhollow Apartments	12/31/2020	2,213,665	1,220,886	992,779	992,779	12/31/2019	2,089,913	1,172,171	917,742	917,742
40	(21)	1	Metro 7000	12/31/2020	2,383,394	1,321,416	1,061,979	1,061,979	12/31/2019	2,014,851	1,137,257	877,594	877,594
41		1	The Reserves Of Thomas Glen	12/31/2020	1,890,159	822,596	1,067,563	1,067,563	12/31/2019	1,865,241	957,101	908,140	908,140
42		1	Ashton Heights Apartments	12/31/2020	1,719,534	1,107,718	611,816	611,816	12/31/2019	1,635,465	1,103,645	531,820	531,820
43	(22)	1	Tradewinds MHC	12/31/2019	1,115,829	368,958	746,871	743,171	12/31/2018	1,017,720	237,479	780,240	776,540
44		1	Summitwoods Apartments	12/31/2020	1,465,751	900,696	565,056	565,056	12/31/2019	1,408,327	952,626	455,701	455,701
45		1	Country Meadows Apartments	12/31/2020	1,431,884	637,827	794,057	772,194	12/31/2019	1,278,139	615,516	662,623	652,869
46		1	Pinnacle Place Apartments	12/31/2020	1,119,718	588,361	531,357	211,445	12/31/2019	1,080,891	477,207	603,684	573,684
47		1	Oakview Place Apartment Homes	12/31/2020	1,079,204	575,893	503,311	289,237	12/31/2019	963,307	662,643	300,665	135,773
48		1	Park Square Townhouses	12/31/2020	952,342	388,298	564,044	564,044	12/31/2019	950,405	366,266	584,139	584,139
49		1	The Bromley	12/31/2020	999,064	405,091	593,973	593,973	12/31/2019	841,559	355,720	485,839	485,839
50		1	Palmetto Gardens & Willwood Gardens	12/31/2020	1,056,437	479,741	576,696	576,696	12/31/2019	1,047,811	488,530	559,281	559,281
51	(20)	1	Ridgewood - Indiana	12/31/2020	1,103,601	671,858	431,743	431,743	12/31/2019	1,075,384	657,526	417,858	417,858
52	(20)	1	Heathmoore - Indianapolis	12/31/2020	1,064,639	478,353	586,286	586,286	12/31/2019	1,036,358	490,769	545,588	545,588
53	(20)	1	Windrush	12/31/2020	746,527	355,825	390,701	390,701	12/31/2019	706,784	357,423	349,361	349,361
54		1	Willowood	12/31/2020	827,925	412,676	415,249	415,249	12/31/2019	778,903	379,709	399,194	399,194
55		1	Pine Meadows	12/31/2020	691,879	390,115	301,765	301,765	12/31/2019	679,705	358,038	321,667	321,667
56	(20)	1	Heronwood	12/31/2020	678,683	340,236	338,446	338,446	12/31/2019	666,206	323,076	343,129	343,129
57		1	Waterbury	12/31/2020	661,075	327,819	333,256	333,256	12/31/2019	641,817	314,996	326,821	326,821
58	(20)	1	Willow Run	12/31/2020	466,479	258,993	207,487	207,487	12/31/2019	483,666	265,988	217,677	217,677
59	(20)	1	Princeton Court	12/31/2020	470,990	282,737	188,253	188,253	12/31/2019	446,026	289,565	156,462	156,462
60	(20)	1	Charing Cross	12/31/2020	492,113	265,052	227,061	227,061	12/31/2019	463,135	275,644	187,491	187,491
61		1	Hartwick	12/31/2020	334,795	226,649	108,146	108,146	12/31/2019	328,595	194,868	133,727	133,727

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Exhibit A-1

Loan No. / Property No.	Footnotes	Number of Properties	Property Name	Lien Position	Title Vesting (Fee/Leasehold/Both)	Ground Lease Maturity Date	Cash Management (Description or N/A)	Engineering Reserve/Deferred Maintenance <sup>(11)</sup>	Tax Reserve (Initial) <sup>(11)</sup>	Tax Reserve (Monthly) <sup>(12)</sup>	Insurance Reserve (Initial) <sup>(11)</sup>	Insurance Reserve (Monthly) <sup>(12)</sup>	Replacement Reserve (Initial) <sup>(11)</sup>
1	(17)(18)	1	The Rheingold A-2	First Mortgage	Fee Simple	N/A	N/A	N/A	51,486	17,162	119,137	17,020	N/A
2		1	Town Southern	First Mortgage	Fee Simple	N/A	N/A	N/A	1,140,282	142,535	N/A	Springing	N/A
3		1	Gramercy Apartments	First Mortgage	Fee Simple	N/A	N/A	N/A	180,525	60,175	62,790	10,465	N/A
4	(19)	1	The Salado At Red Berry	First Mortgage	Fee Simple and Leasehold	10/22/2093	N/A	N/A	N/A	Springing	103,402	11,489	N/A
5	(20)	1	Astorwood	First Mortgage	Fee Simple	N/A	N/A	N/A	40,343	5,763	N/A	Springing	N/A
6		1	Apple Ridge	First Mortgage	Fee Simple	N/A	N/A	N/A	N/A	5,135	N/A	Springing	N/A
7	(20)	1	Ridgewood Court	First Mortgage	Fee Simple	N/A	N/A	N/A	N/A	12,006	N/A	Springing	N/A
8	(20)	1	Palm Place	First Mortgage	Fee Simple	N/A	N/A	N/A	43,799	6,257	N/A	Springing	N/A
9	(20)	1	Summit Center	First Mortgage	Fee Simple	N/A	N/A	N/A	63,225	9,032	N/A	Springing	N/A
10	(20)	1	Pine Barrens	First Mortgage	Fee Simple	N/A	N/A	52,500	44,582	6,369	N/A	Springing	N/A
11	(20)	1	Sherbrook	First Mortgage	Fee Simple	N/A	N/A	34,629	71,368	8,612	N/A	Springing	N/A
12		1	Mariners Cove	First Mortgage	Fee Simple	N/A	N/A	N/A	116,010	58,005	39,344	19,872	N/A
13		1	4 Corners Apartments	First Mortgage	Fee Simple	N/A	N/A	N/A	321,412	45,916	113,118	16,160	N/A
14		1	Vista Del Rey Apartments	First Mortgage	Fee Simple	N/A	N/A	N/A	325,089	65,018	47,188	23,594	N/A
15		1	Thymewood	First Mortgage	Fee Simple	N/A	N/A	N/A	123,073	17,582	N/A	Springing	N/A
16		1	Rivers End	First Mortgage	Fee Simple	N/A	N/A	N/A	49,774	7,111	N/A	Springing	N/A
17		1	Meadowood	First Mortgage	Fee Simple	N/A	N/A	33,088	N/A	7,471	N/A	Springing	N/A
18	(20)	1	Bridgepoint	First Mortgage	Fee Simple	N/A	N/A	N/A	31,268	4,467	N/A	Springing	N/A
19		1	Stonehenge	First Mortgage	Fee Simple	N/A	N/A	N/A	N/A	4,511	N/A	Springing	N/A
20		1	Northwood	First Mortgage	Fee Simple	N/A	N/A	N/A	24,851	3,550	N/A	Springing	N/A
21	(21)	1	Oaks At Holcomb Bridge Apartment Homes	First Mortgage	Fee Simple	N/A	N/A	N/A	371,133	46,392	38,089	9,522	N/A
22		1	Barnbeck Place	First Mortgage	Fee Simple	N/A	N/A	N/A	163,215	32,643	6,375	3,188	N/A
23		1	Timber Hollow Apartments	First Mortgage	Fee Simple	N/A	N/A	N/A	71,683	30,738	27,598	11,834	N/A
24		1	The Watson	First Mortgage	Fee Simple	N/A	N/A	N/A	404,571	80,914	20,016	10,008	N/A
25		1	Pine Creek Ranch Apartments	First Mortgage	Fee Simple	N/A	N/A	N/A	199,025	39,805	N/A	Springing	153,912
26	(20)	1	Dogwood Glen	First Mortgage	Fee Simple	N/A	N/A	N/A	6,732	6,732	N/A	Springing	N/A
27		1	Amhurst	First Mortgage	Fee Simple	N/A	N/A	78,350	N/A	7,940	N/A	Springing	N/A
28	(20)	1	Elmtree Park	First Mortgage	Fee Simple	N/A	N/A	N/A	5,381	3,078	N/A	Springing	N/A
29		1	Lindendale	First Mortgage	Fee Simple	N/A	N/A	N/A	N/A	4,868	N/A	Springing	N/A
30	(20)	1	Mulberry	First Mortgage	Fee Simple	N/A	N/A	N/A	N/A	7,624	N/A	Springing	N/A
31		1	Parkville	First Mortgage	Fee Simple	N/A	N/A	N/A	N/A	3,317	N/A	Springing	N/A
32	(22)	1	Longhaven Estates MHC	First Mortgage	Fee Simple	N/A	N/A	N/A	22,285	7,428	19,371	2,152	N/A
33		1	Encore 281	First Mortgage	Fee Simple	N/A	N/A	N/A	423,671	70,612	25,310	8,437	225,720
34		1	Azul Apartment Homes	First Mortgage	Fee Simple	N/A	N/A	N/A	404,374	57,768	18,988	9,494	78,720
35		1	Park At Oak Ridge	First Mortgage	Fee Simple	N/A	N/A	N/A	95,928	16,609	52,118	9,024	N/A
36		1	Country Villa	First Mortgage	Fee Simple	N/A	N/A	N/A	12,000	6,000	4,156	2,078	118,932
37	(23)	1	Whispering Pines	First Mortgage	Fee Simple and Leasehold	4/30/2120	N/A	N/A	N/A	N/A	16,269	8,135	N/A
38		1	Diamond Loch Apartment Homes	First Mortgage	Fee Simple	N/A	N/A	45,057	238,828	34,118	51,242	6,910	N/A
39		1	Woodhollow Apartments	First Mortgage	Fee Simple	N/A	N/A	70,459	212,925	35,488	30,800	7,700	N/A
40	(21)	1	Metro 7000	First Mortgage	Fee Simple	N/A	N/A	N/A	227,926	37,988	21,887	7,296	N/A
41		1	The Reserves Of Thomas Glen	First Mortgage	Fee Simple	N/A	N/A	N/A	44,053	22,027	15,340	7,670	172,794
42		1	Ashton Heights Apartments	First Mortgage	Fee Simple	N/A	N/A	N/A	32,658	8,165	103,514	11,502	N/A
43	(22)	1	Tradewinds MHC	First Mortgage	Fee Simple	N/A	N/A	N/A	9,340	2,335	11,274	1,025	N/A
44		1	Summitwoods Apartments	First Mortgage	Fee Simple	N/A	N/A	N/A	148,305	21,187	11,583	3,861	N/A
45		1	Country Meadows Apartments	First Mortgage	Fee Simple	N/A	N/A	N/A	32,347	8,087	14,482	4,827	N/A
46		1	Pinnacle Place Apartments	First Mortgage	Fee Simple	N/A	N/A	N/A	74,308	7,431	11,413	3,084	N/A
47		1	Oakview Place Apartment Homes	First Mortgage	Fee Simple	N/A	N/A	N/A	52,489	5,249	10,474	3,491	N/A
48		1	Park Square Townhouses	First Mortgage	Fee Simple	N/A	N/A	N/A	15,894	3,922	11,168	3,723	N/A
49		1	The Bromley	First Mortgage	Fee Simple	N/A	N/A	53,774	30,380	6,076	12,147	4,049	N/A
50		1	Palmetto Gardens & Willwood Gardens	First Mortgage	Fee Simple	N/A	N/A	66,313	32,084	5,347	7,438	2,887	N/A
51	(20)	1	Ridgewood - Indiana	First Mortgage	Fee Simple	N/A	N/A	41,875	7,904	7,904	N/A	Springing	N/A
52	(20)	1	Heathmoore - Indianapolis	First Mortgage	Fee Simple	N/A	N/A	50,188	5,024	5,024	N/A	Springing	N/A
53	(20)	1	Windrush	First Mortgage	Fee Simple	N/A	N/A	N/A	28,694	4,099	N/A	Springing	N/A
54		1	Willowood	First Mortgage	Fee Simple	N/A	N/A	N/A	N/A	6,271	N/A	Springing	N/A
55		1	Pine Meadows	First Mortgage	Fee Simple	N/A	N/A	46,133	31,660	4,523	N/A	Springing	N/A
56	(20)	1	Heronwood	First Mortgage	Fee Simple	N/A	N/A	N/A	21,363	3,052	N/A	Springing	N/A
57		1	Waterbury	First Mortgage	Fee Simple	N/A	N/A	N/A	N/A	4,879	N/A	Springing	N/A
58	(20)	1	Willow Run	First Mortgage	Fee Simple	N/A	N/A	88,750	8,081	1,154	N/A	Springing	N/A
59	(20)	1	Princeton Court	First Mortgage	Fee Simple	N/A	N/A	41,881	2,638	2,638	N/A	Springing	N/A
60	(20)	1	Charing Cross	First Mortgage	Fee Simple	N/A	N/A	36,854	N/A	2,714	N/A	Springing	N/A
61		1	Hartwick	First Mortgage	Fee Simple	N/A	N/A	N/A	1,150	1,150	N/A	Springing	N/A

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Exhibit A-1

Loan No. / Property No.	Footnotes	Number of Properties	Property Name	Replacement Reserve (Monthly) <sup>(13)</sup>	Replacement Reserve - Contractual - Cap (\$ or N/A)	Interest Rate Cap Reserve (Initial) <sup>(11)</sup>	Interest Rate Cap Reserve (Monthly) <sup>(14)</sup>	Other Reserve (Initial) <sup>(11)(15)</sup>	Other Reserve (Monthly) <sup>(15)</sup>
1	(17)(18)	1	The Rheingold A-2	7,292	N/A	N/A	1,313	N/A	N/A
2		1	Town Southern	4,965	N/A	N/A	2,139	N/A	Springing
3		1	Gramercy Apartments	9,338	N/A	N/A	6,944	N/A	Springing
4	(19)	1	The Salado At Red Berry	4,125	N/A	N/A	6,607	824,110	N/A
5	(20)	1	Astorwood	2,217	N/A	N/A	683	128,564; 187,271; N/A	N/A; N/A; Springing
6		1	Apple Ridge	4,200	N/A	N/A	617	116,221; 345,238; N/A	N/A; N/A; Springing
7	(20)	1	Ridgewood Court	3,500	N/A	N/A	586	110,312; 316,150; N/A	N/A; N/A; Springing
8	(20)	1	Palm Place	2,392	N/A	N/A	565	106,468; 177,190	N/A
9	(20)	1	Summit Center	2,625	N/A	N/A	532	100,288; 240,123; N/A	N/A; N/A; Springing
10	(20)	1	Pine Barrens	3,092	N/A	N/A	500	94,125; 200,629; N/A	N/A; N/A; Springing
11	(20)	1	Sherbrook	2,188	N/A	N/A	410	77,244; 210,181; N/A	N/A; N/A; Springing
12		1	Mariners Cove	4,631	N/A	N/A	1,597	N/A	N/A
13		1	4 Corners Apartments	8,125	N/A	N/A	1,927	N/A	N/A
14		1	Vista Del Rey Apartments	9,815	N/A	N/A	1,042	558,587; N/A; N/A	N/A; Springing; Springing
15		1	Thymewood	4,783	N/A	N/A	1,460	275,381; 421,618; N/A	N/A; N/A; Springing
16		1	Rivers End	4,025	N/A	N/A	648	122,249; 279,211; N/A	N/A; N/A; Springing
17		1	Meadowood	2,479	N/A	N/A	323	61,006; 234,974; N/A	N/A; N/A; Springing
18	(20)	1	Bridgepoint	2,129	N/A	N/A	308	58,178; 124,470; N/A	N/A; N/A; Springing
19		1	Stonehenge	2,042	N/A	N/A	217	40,925; 156,442; N/A	N/A; N/A; Springing
20		1	Northwood	1,254	N/A	N/A	150	28,242; 81,477	N/A
21	(21)	1	Oaks At Holcomb Bridge Apartment Homes	Springing	N/A	2,778	1,389	587,277	N/A
22		1	Barnbeck Place	3,094	N/A	N/A	4,340	553,178	N/A
23		1	Timber Hollow Apartments	8,526	N/A	N/A	1,111	259,870; N/A	Springing
24		1	The Watson	3,801	N/A	N/A	3,993	465,803; N/A	N/A; Springing
25		1	Pine Creek Ranch Apartments	6,583	N/A	N/A	1,286	N/A	Springing
26	(20)	1	Dogwood Glen	4,754	N/A	N/A	657	124,314; N/A; 363,060	N/A; Springing; N/A
27		1	Amhurst	4,317	N/A	N/A	450	85,202; 310,249; N/A	N/A; N/A; Springing
28	(20)	1	Elmtree Park	3,704	N/A	N/A	420	79,445; 286,235; N/A	N/A; N/A; Springing
29		1	Lindendale	2,304	N/A	N/A	295	55,842; 184,209; N/A	N/A; N/A; Springing
30	(20)	1	Mulberry	1,808	N/A	N/A	238	45,005; 158,860; N/A	N/A; N/A; Springing
31		1	Parkville	1,400	N/A	N/A	155	29,360; 113,530; N/A	N/A; N/A; Springing
32	(22)	1	Longhaven Estates MHC	1,309	N/A	N/A	1,215	N/A	Springing
33		1	Encore 281	3,059	N/A	N/A	972	353,404; 318,421	N/A
34		1	Azul Apartment Homes	4,100	N/A	N/A	2,214	1,063,800	N/A
35		1	Park At Oak Ridge	5,413	N/A	N/A	1,076	147,315; N/A	Springing
36		1	Country Villa	1,625	N/A	N/A	1,215	N/A	N/A
37	(23)	1	Whispering Pines	7,216	N/A	N/A	1,150	242,357; 133,933; N/A	N/A; N/A; Springing
38		1	Diamond Loch Apartment Homes	3,324	N/A	N/A	1,059	N/A	N/A
39		1	Woodhollow Apartments	4,418	N/A	N/A	1,750	258,040	N/A
40	(21)	1	Metro 7000	Springing	N/A	2,222	1,111	240,117	N/A
41		1	The Reserves Of Thomas Glen	3,840	N/A	N/A	1,964	N/A	Springing
42		1	Ashton Heights Apartments	4,947	N/A	N/A	1,215	N/A	N/A
43	(22)	1	Tradewinds MHC	379	N/A	N/A	1,181	N/A	N/A
44		1	Summitwoods Apartments	2,794	N/A	N/A	1,528	150,598; 49,249	N/A
45		1	Country Meadows Apartments	5,432	N/A	N/A	938	149,532	N/A
46		1	Pinnacle Place Apartments	2,500	N/A	N/A	857	N/A	Springing
47		1	Oakview Place Apartment Homes	2,584	N/A	N/A	857	N/A	Springing
48		1	Park Square Townhouses	2,080	N/A	N/A	903	198,658; N/A	N/A; Springing
49		1	The Bromley	1,834	N/A	N/A	688	251,724	N/A
50		1	Palmetto Gardens & Willwood Gardens	3,227	N/A	N/A	1,736	128,384; N/A; N/A	N/A; Springing; Springing
51	(20)	1	Ridgewood - Indiana	4,988	N/A	N/A	455	97,477; N/A; N/A	N/A; Springing; Springing
52	(20)	1	Heathmoore - Indianapolis	3,996	N/A	N/A	455	93,397; N/A	N/A; Springing
53	(20)	1	Windrush	2,042	N/A	N/A	341	67,829; N/A	N/A; Springing
54		1	Willowood	3,092	N/A	N/A	284	63,986; N/A; N/A	N/A; Springing; Springing
55		1	Pine Meadows	1,838	N/A	N/A	284	62,513; N/A	N/A; Springing
56	(20)	1	Heronwood	1,808	N/A	N/A	284	60,735; N/A	N/A; Springing
57		1	Waterbury	2,100	N/A	N/A	284	56,654; N/A; N/A	N/A; Springing; Springing
58	(20)	1	Willow Run	2,158	N/A	N/A	170	42,313; N/A	N/A; Springing
59	(20)	1	Princeton Court	1,867	N/A	N/A	170	36,133; N/A; N/A	N/A; Springing; Springing
60	(20)	1	Charing Cross	2,013	N/A	N/A	170	34,812; N/A; N/A	N/A; Springing; Springing
61		1	Hartwick	1,313	N/A	N/A	114	20,589; N/A	N/A; Springing

Loan No. / Property No.	Footnotes	Number of Properties	Property Name	Other Reserve Description <sup>(15)</sup>	Springing Reserve Type <sup>(12)(13)(15)</sup>
1	(17)(18)	1	The Rheingold A-2	N/A	N/A
2		1	Town Southern	Radon Remediation Reserve	Insurance Reserve; Radon Remediation Reserve
3		1	Gramercy Apartments	Deferred Property Replacement Reserve	Deferred Property Replacement Reserve
4	(19)	1	The Salado At Red Berry	COVID-19 Debt Service Reserve	Tax Reserve
5	(20)	1	Astorwood	COVID-19 Debt Service Reserve; Replacement Reserve Additional Deposit; Deferred Property Replacement Reserve	Insurance Reserve; Deferred Property Replacement Reserve
6		1	Apple Ridge	COVID-19 Debt Service Reserve; Replacement Reserve Additional Deposit; Radon Remediation Reserve	Insurance Reserve; Radon Remediation Reserve
7	(20)	1	Ridgewood Court	COVID-19 Debt Service Reserve; Replacement Reserve Additional Deposit; Radon Remediation Reserve	Insurance Reserve; Radon Remediation Reserve
8	(20)	1	Palm Place	COVID-19 Debt Service Reserve; Replacement Reserve Additional Deposit	Insurance Reserve
9	(20)	1	Summit Center	COVID-19 Debt Service Reserve; Replacement Reserve Additional Deposit; Deferred Property Replacement Reserve	Insurance Reserve; Deferred Property Replacement Reserve
10	(20)	1	Pine Barrens	COVID-19 Debt Service Reserve; Replacement Reserve Additional Deposit; Deferred Property Replacement Reserve	Insurance Reserve; Deferred Property Replacement Reserve
11	(20)	1	Sherbrook	COVID-19 Debt Service Reserve; Replacement Reserve Additional Deposit; Radon Remediation Reserve	Insurance Reserve; Radon Remediation Reserve
12		1	Mariners Cove	N/A	N/A
13		1	4 Corners Apartments	N/A	N/A
14		1	Vista Del Rey Apartments	COVID-19 Debt Service Reserve; Deferred Property Replacement Reserve; Radon Remediation Reserve	Deferred Property Replacement Reserve; Radon Remediation Reserve
15		1	Thymewood	COVID-19 Debt Service Reserve; Replacement Reserve Additional Deposit; Deferred Property Replacement Reserve	Insurance Reserve; Deferred Property Replacement Reserve
16		1	Rivers End	COVID-19 Debt Service Reserve; Replacement Reserve Additional Deposit; Deferred Property Replacement Reserve	Insurance Reserve; Deferred Property Replacement Reserve
17		1	Meadowood	COVID-19 Debt Service Reserve; Replacement Reserve Additional Deposit; Radon Remediation Reserve	Insurance Reserve; Radon Remediation Reserve
18	(20)	1	Bridgepoint	COVID-19 Debt Service Reserve; Replacement Reserve Additional Deposit; Deferred Property Replacement Reserve	Insurance Reserve; Deferred Property Replacement Reserve
19		1	Stonehenge	COVID-19 Debt Service Reserve; Replacement Reserve Additional Deposit; Radon Remediation Reserve	Insurance Reserve; Radon Remediation Reserve
20		1	Northwood	COVID-19 Debt Service Reserve; Replacement Reserve Additional Deposit	Insurance Reserve
21	(21)	1	Oaks At Holcomb Bridge Apartment Homes	COVID-19 Debt Service Reserve	Replacement Reserve
22		1	Barnbeck Place	COVID-19 Debt Service Reserve	N/A
23		1	Timber Hollow Apartments	COVID-19 Debt Service Reserve; Deferred Property Replacement Reserve	COVID-19 Debt Service Reserve; Deferred Property Replacement Reserve
24		1	The Watson	COVID-19 Debt Service Reserve; Deferred Property Replacement Reserve	Deferred Property Replacement Reserve
25		1	Pine Creek Ranch Apartments	Radon Remediation Reserve	Insurance Reserve; Radon Remediation Reserve
26	(20)	1	Dogwood Glen	COVID-19 Debt Service Reserve; Radon Remediation Reserve; Replacement Reserve Additional Deposit	Insurance Reserve; Radon Remediation Reserve
27		1	Amhurst	COVID-19 Debt Service Reserve; Replacement Reserve Additional Deposit; Radon Remediation Reserve	Insurance Reserve; Radon Remediation Reserve
28	(20)	1	Elmtree Park	COVID-19 Debt Service Reserve; Replacement Reserve Additional Deposit; Radon Remediation Reserve	Insurance Reserve; Radon Remediation Reserve
29		1	Lindendale	COVID-19 Debt Service Reserve; Replacement Reserve Additional Deposit; Radon Remediation Reserve	Insurance Reserve; Radon Remediation Reserve
30	(20)	1	Mulberry	COVID-19 Debt Service Reserve; Replacement Reserve Additional Deposit; Radon Remediation Reserve	Insurance Reserve; Radon Remediation Reserve
31		1	Parkville	COVID-19 Debt Service Reserve; Replacement Reserve Additional Deposit; Radon Remediation Reserve	Insurance Reserve; Radon Remediation Reserve
32	(22)	1	Longhaven Estates MHC	Deferred Property Replacement Reserve	Deferred Property Replacement Reserve
33		1	Encore 281	COVID-19 Debt Service Reserve; Replacement Reserve Additional Deposit	N/A
34		1	Azul Apartment Homes	Replacement Reserve Additional Deposit	N/A
35		1	Park At Oak Ridge	COVID-19 Debt Service Reserve; Deferred Property Replacement Reserve	COVID-19 Debt Service Reserve; Deferred Property Replacement Reserve
36		1	Country Villa	N/A	N/A
37	(23)	1	Whispering Pines	COVID-19 Debt Service Reserve; Replacement Reserve Additional Deposit; Deferred Property Replacement Reserve	Deferred Property Replacement Reserve
38		1	Diamond Loch Apartment Homes	N/A	N/A
39		1	Woodhollow Apartments	COVID-19 Debt Service Reserve	N/A
40	(21)	1	Metro 7000	COVID-19 Debt Service Reserve	Replacement Reserve
41		1	The Reserves Of Thomas Glen	Deferred Property Replacement Reserve	Deferred Property Replacement Reserve
42		1	Ashton Heights Apartments	N/A	N/A
43	(22)	1	Tradewinds MHC	N/A	N/A
44		1	Summitwoods Apartments	COVID-19 Debt Service Reserve; Replacement Reserve Additional Deposit	N/A
45		1	Country Meadows Apartments	COVID-19 Debt Service Reserve	N/A
46		1	Pinnacle Place Apartments	Deferred Property Replacement Reserve	Deferred Property Replacement Reserve
47		1	Oakview Place Apartment Homes	Deferred Property Replacement Reserve	Deferred Property Replacement Reserve
48		1	Park Square Townhouses	COVID-19 Debt Service Reserve; Deferred Property Replacement Reserve	Deferred Property Replacement Reserve
49		1	The Bromley	COVID-19 Debt Service Reserve	N/A
50		1	Palmetto Gardens & Willwood Gardens	COVID-19 Debt Service Reserve; Deferred Property Replacement Reserve; Radon Remediation Reserve	Deferred Property Replacement Reserve; Radon Remediation Reserve
51	(20)	1	Ridgewood - Indiana	COVID-19 Debt Service Reserve; Deferred Property Replacement Reserve; Radon Remediation Reserve	Insurance Reserve; Deferred Property Replacement Reserve; Radon Remediation Reserve
52	(20)	1	Heathmoore - Indianapolis	COVID-19 Debt Service Reserve; Radon Remediation Reserve	Insurance Reserve; Radon Remediation Reserve
53	(20)	1	Windrush	COVID-19 Debt Service Reserve; Deferred Property Replacement Reserve	Insurance Reserve; Deferred Property Replacement Reserve
54		1	Willowood	COVID-19 Debt Service Reserve; Radon Remediation Reserve; Deferred Property Replacement Reserve	Insurance Reserve; Radon Remediation Reserve; Deferred Property Replacement Reserve
55		1	Pine Meadows	COVID-19 Debt Service Reserve; Deferred Property Replacement Reserve	Insurance Reserve; Deferred Property Replacement Reserve
56	(20)	1	Heronwood	COVID-19 Debt Service Reserve; Deferred Property Replacement Reserve	Insurance Reserve; Deferred Property Replacement Reserve
57		1	Waterbury	COVID-19 Debt Service Reserve; Radon Remediation Reserve; Deferred Property Replacement Reserve	Insurance Reserve; Radon Remediation Reserve; Deferred Property Replacement Reserve
58	(20)	1	Willow Run	COVID-19 Debt Service Reserve; Deferred Property Replacement Reserve	Insurance Reserve; Deferred Property Replacement Reserve
59	(20)	1	Princeton Court	COVID-19 Debt Service Reserve; Radon Remediation Reserve; Deferred Property Replacement Reserve	Insurance Reserve; Radon Remediation Reserve; Deferred Property Replacement Reserve
60	(20)	1	Charing Cross	COVID-19 Debt Service Reserve; Radon Remediation Reserve; Deferred Property Replacement Reserve	Insurance Reserve; Radon Remediation Reserve; Deferred Property Replacement Reserve
61		1	Hartwick	COVID-19 Debt Service Reserve; Radon Remediation Reserve	Insurance Reserve; Radon Remediation Reserve

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Exhibit A-1

Loan No. / Property No.	Footnotes	Number of Properties	Property Name	Springing Reserve Amount	Seismic Insurance if PML >= 20% (Y/N)	Green Advantage	Monthly Rent Per Unit	Additional Financing In Place (existing) (Y/N)	Additional Financing Amount (existing)	Additional Financing Description (existing)	Future Supplemental Financing (Y/N)
1	(17)(18)	1	The Rheingold A-2	N/A	No	N/A	2,727	Yes	102,205,000	Pari-Passu The Rheingold (Note A-1)	Yes
2		1	Town Southern	N/A	No	N/A	1,859	No	N/A	N/A	Yes
3		1	Gramercy Apartments	N/A	No	N/A	1,105	No	N/A	N/A	Yes
4	(19)	1	The Salado At Red Berry	N/A	No	N/A	1,210	No	N/A	N/A	Yes
5	(20)	1	Astorwood	N/A	No	N/A	1,198	No	N/A	N/A	Yes
6		1	Apple Ridge	N/A	No	N/A	616	No	N/A	N/A	Yes
7	(20)	1	Ridgewood Court	N/A	No	N/A	742	No	N/A	N/A	Yes
8	(20)	1	Palm Place	N/A	No	N/A	923	No	N/A	N/A	Yes
9	(20)	1	Summit Center	N/A	No	N/A	896	No	N/A	N/A	Yes
10	(20)	1	Pine Barrens	N/A	No	N/A	705	No	N/A	N/A	Yes
11	(20)	1	Sherbrook	N/A	No	N/A	856	No	N/A	N/A	Yes
12		1	Mariners Cove	N/A	No	N/A	1,837	No	N/A	N/A	Yes
13		1	4 Corners Apartments	N/A	No	N/A	1,455	No	N/A	N/A	Yes
14		1	Vista Del Rey Apartments	N/A	No	N/A	866	No	N/A	N/A	Yes
15		1	Thymewood	N/A	No	N/A	1,123	No	N/A	N/A	Yes
16		1	Rivers End	N/A	No	N/A	648	No	N/A	N/A	Yes
17		1	Meadowood	N/A	No	N/A	659	No	N/A	N/A	Yes
18	(20)	1	Bridgepoint	N/A	No	N/A	734	No	N/A	N/A	Yes
19		1	Stonehenge	N/A	No	N/A	596	No	N/A	N/A	Yes
20		1	Northwood	N/A	No	N/A	627	No	N/A	N/A	Yes
21	(21)	1	Oaks At Holcomb Bridge Apartment Homes	Replacement Reserve (5,168)	No	N/A	1,066	No	N/A	N/A	Yes
22		1	Barnbeck Place	N/A	No	N/A	1,660	No	N/A	N/A	Yes
23		1	Timber Hollow Apartments	N/A	No	N/A	981	No	N/A	N/A	Yes
24		1	The Watson	N/A	No	N/A	1,310	No	N/A	N/A	Yes
25		1	Pine Creek Ranch Apartments	N/A	No	N/A	1,117	No	N/A	N/A	Yes
26	(20)	1	Dogwood Glen	N/A	No	N/A	594	No	N/A	N/A	Yes
27		1	Amhurst	N/A	No	N/A	552	No	N/A	N/A	Yes
28	(20)	1	Elmtree Park	N/A	No	N/A	591	No	N/A	N/A	Yes
29		1	Lindendale	N/A	No	N/A	624	No	N/A	N/A	Yes
30	(20)	1	Mulberry	N/A	No	N/A	736	No	N/A	N/A	Yes
31		1	Parkville	N/A	No	N/A	602	No	N/A	N/A	Yes
32	(22)	1	Longhaven Estates MHC	N/A	No	N/A	607	No	N/A	N/A	Yes
33		1	Encore 281	N/A	No	N/A	1,103	No	N/A	N/A	Yes
34		1	Azul Apartment Homes	N/A	No	N/A	1,043	No	N/A	N/A	Yes
35		1	Park At Oak Ridge	N/A	No	N/A	941	No	N/A	N/A	Yes
36		1	Country Villa	N/A	No	N/A	1,069	No	N/A	N/A	Yes
37	(23)	1	Whispering Pines	N/A	No	N/A	775	No	N/A	N/A	Yes
38		1	Diamond Loch Apartment Homes	N/A	No	N/A	1,124	No	N/A	N/A	Yes
39		1	Woodhollow Apartments	N/A	No	N/A	810	No	N/A	N/A	Yes
40	(21)	1	Metro 7000	Replacement Reserve (4,034)	No	N/A	883	No	N/A	N/A	Yes
41		1	The Reserves Of Thomas Glen	N/A	No	N/A	773	No	N/A	N/A	Yes
42		1	Ashton Heights Apartments	N/A	No	N/A	826	No	N/A	N/A	Yes
43	(22)	1	Tradewinds MHC	N/A	No	N/A	1,449	No	N/A	N/A	Yes
44		1	Summitwoods Apartments	N/A	No	N/A	1,045	No	N/A	N/A	Yes
45		1	Country Meadows Apartments	N/A	No	N/A	524	No	N/A	N/A	Yes
46		1	Pinnacle Place Apartments	N/A	No	N/A	768	No	N/A	N/A	Yes
47		1	Oakview Place Apartment Homes	N/A	No	N/A	738	No	N/A	N/A	Yes
48		1	Park Square Townhouses	N/A	No	N/A	1,013	No	N/A	N/A	Yes
49		1	The Bromley	N/A	No	N/A	872	No	N/A	N/A	Yes
50		1	Palmetto Gardens & Willwood Gardens	N/A	No	N/A	749	No	N/A	N/A	Yes
51	(20)	1	Ridgewood - Indiana	N/A	No	N/A	659	No	N/A	N/A	Yes
52	(20)	1	Heathmoore - Indianapolis	N/A	No	N/A	615	No	N/A	N/A	Yes
53	(20)	1	Windrush	N/A	No	N/A	849	No	N/A	N/A	Yes
54		1	Willowood	N/A	No	N/A	596	No	N/A	N/A	Yes
55		1	Pine Meadows	N/A	No	N/A	882	No	N/A	N/A	Yes
56	(20)	1	Heronwood	N/A	No	N/A	868	No	N/A	N/A	Yes
57		1	Waterbury	N/A	No	N/A	732	No	N/A	N/A	Yes
58	(20)	1	Willow Run	N/A	No	N/A	548	No	N/A	N/A	Yes
59	(20)	1	Princeton Court	N/A	No	N/A	583	No	N/A	N/A	Yes
60	(20)	1	Charing Cross	N/A	No	N/A	556	No	N/A	N/A	Yes
61		1	Hartwick	N/A	No	N/A	592	No	N/A	N/A	Yes

Loan No. / Property No.	Footnotes	Number of Properties	Property Name	Future Supplemental Financing Description <sup>(16)</sup>
1	(17)(18)	1	The Rheingold A-2	(i) Max combined LTV of 70.0% (ii) Min combined DSCR of 1.10x
2		1	Town Southern	(i) Max combined LTV of 70.0% (ii) Min combined DSCR of 1.10x
3		1	Gramercy Apartments	(i) Max combined LTV of 80.0% (ii) Min combined DSCR of 1.10x
4	(19)	1	The Salado At Red Berry	(i) Max combined LTV of 80.0% (ii) Min combined DSCR of 1.10x
5	(20)	1	Astorwood	(i) Max combined LTV of 80.0% (ii) Min combined DSCR of 1.10x (iii) Max aggregate combined LTV of 80.0% (iv) Min aggregate combined DSCR of 1.10x
6		1	Apple Ridge	(i) Max combined LTV of 80.0% (ii) Min combined DSCR of 1.10x (iii) Max aggregate combined LTV of 80.0% (iv) Min aggregate combined DSCR of 1.10x
7	(20)	1	Ridgewood Court	(i) Max combined LTV of 80.0% (ii) Min combined DSCR of 1.10x (iii) Max aggregate combined LTV of 80.0% (iv) Min aggregate combined DSCR of 1.10x
8	(20)	1	Palm Place	(i) Max combined LTV of 80.0% (ii) Min combined DSCR of 1.10x (iii) Max aggregate combined LTV of 80.0% (iv) Min aggregate combined DSCR of 1.10x (v) EGI of \$972,322 and NOI of \$446,181
9	(20)	1	Summit Center	(i) Max combined LTV of 80.0% (ii) Min combined DSCR of 1.10x (iii) Max aggregate combined LTV of 80.0% (iv) Min aggregate combined DSCR of 1.10x (v) EGI of \$984,527 and NOI of \$433,997
10	(20)	1	Pine Barrens	(i) Max combined LTV of 80.0% (ii) Min combined DSCR of 1.10x (iii) Max aggregate combined LTV of 80.0% (iv) Min aggregate combined DSCR of 1.10x (v) EGI of \$938,968 and NOI of \$387,819
11	(20)	1	Sherbrook	(i) Max combined LTV of 80.0% (ii) Min combined DSCR of 1.10x (iii) Max aggregate combined LTV of 80.0% (iv) Min aggregate combined DSCR of 1.10x (v) EGI of \$748,656 and NOI of \$313,324
12		1	Mariners Cove	(i) Max combined LTV of 75.0% (ii) Min combined DSCR of 1.10x
13		1	4 Corners Apartments	(i) Max combined LTV of 60.0% (ii) Min combined DSCR of 1.10x
14		1	Vista Del Rey Apartments	(i) Max combined LTV of 75.0% (ii) Min combined DSCR of 1.10x
15		1	Thymewood	(i) Max combined LTV of 80.0% (ii) Min combined DSCR of 1.10x (iii) Max aggregate combined LTV of 80.0% (iv) Min aggregate combined DSCR of 1.10x
16		1	Rivers End	(i) Max combined LTV of 80.0% (ii) Min combined DSCR of 1.10x (iii) Max aggregate combined LTV of 80.0% (iv) Min aggregate combined DSCR of 1.10x (v) EGI of \$1,179,249 and NOI of \$508,476
17		1	Meadowood	(i) Max combined LTV of 80.0% (ii) Min combined DSCR of 1.10x (iii) Max aggregate combined LTV of 80.0% (iv) Min aggregate combined DSCR of 1.10x
18	(20)	1	Bridgepoint	(i) Max combined LTV of 80.0% (ii) Min combined DSCR of 1.10x (iii) Max aggregate combined LTV of 80.0% (iv) Min aggregate combined DSCR of 1.10x (v) EGI of \$691,695 and NOI of \$265,411
19		1	Stonehenge	(i) Max combined LTV of 80.0% (ii) Min combined DSCR of 1.10x (iii) Max aggregate combined LTV of 80.0% (iv) Min aggregate combined DSCR of 1.10x
20		1	Northwood	(i) Max combined LTV of 75.0% (ii) Min combined DSCR of 1.10x (iii) Max aggregate combined LTV of 80.0% (iv) Min aggregate combined DSCR of 1.10x (v) EGI of \$349,225 and NOI of \$113,474
21	(21)	1	Oaks At Holcomb Bridge Apartment Homes	(i) Max combined LTV of 70.0% (ii) Min combined DSCR of 1.10x
22		1	Barnbeck Place	(i) Max combined LTV of 80.0% (ii) Min combined DSCR of 1.10x
23		1	Timber Hollow Apartments	(i) Max combined LTV of 75.0% (ii) Min combined DSCR of 1.10x
24		1	The Watson	(i) Max combined LTV of 70.0% (ii) Min combined DSCR of 1.10x
25		1	Pine Creek Ranch Apartments	(i) Max combined LTV of 70.0% (ii) Min combined DSCR of 1.10x
26	(20)	1	Dogwood Glen	(i) Max combined LTV of 80.0% (ii) Min combined DSCR of 1.10x (iii) Max aggregate combined LTV of 80.0% (iv) Min aggregate combined DSCR of 1.10x
27		1	Amhurst	(i) Max combined LTV of 80.0% (ii) Min combined DSCR of 1.10x (iii) Max aggregate combined LTV of 80.0% (iv) Min aggregate combined DSCR of 1.10x
28	(20)	1	Elmtree Park	(i) Max combined LTV of 80.0% (ii) Min combined DSCR of 1.10x (iii) Max aggregate combined LTV of 80.0% (iv) Min aggregate combined DSCR of 1.10x (v) EGI of \$986,056 and NOI of \$422,207
29		1	Lindendale	(i) Max combined LTV of 80.0% (ii) Min combined DSCR of 1.10x (iii) Max aggregate combined LTV of 80.0% (iv) Min aggregate combined DSCR of 1.10x
30	(20)	1	Mulberry	(i) Max combined LTV of 80.0% (ii) Min combined DSCR of 1.10x (iii) Max aggregate combined LTV of 80.0% (iv) Min aggregate combined DSCR of 1.10x (v) EGI of \$588,963 and NOI of \$213,669
31		1	Parkville	(i) Max combined LTV of 80.0% (ii) Min combined DSCR of 1.10x (iii) Max aggregate combined LTV of 80.0% (iv) Min aggregate combined DSCR of 1.10x (v) EGI of \$378,234 and NOI of \$145,862
32	(22)	1	Longhaven Estates MHC	(i) Max combined LTV of 50.0% (ii) Min combined DSCR of 1.10x
33		1	Encore 281	(i) Max combined LTV of 65.0% (ii) Min combined DSCR of 1.10x
34		1	Azul Apartment Homes	(i) Max combined LTV of 65.0% (ii) Min combined DSCR of 1.10x
35		1	Park At Oak Ridge	(i) Max combined LTV of 70.0% (ii) Min combined DSCR of 1.10x
36		1	Country Villa	(i) Max combined LTV of 65.0% (ii) Min combined DSCR of 1.10x
37	(23)	1	Whispering Pines	(i) Max combined LTV of 80.0% (ii) Min combined DSCR of 1.10x
38		1	Diamond Loch Apartment Homes	(i) Max combined LTV of 75.0% (ii) Min combined DSCR of 1.10x
39		1	Woodhollow Apartments	(i) Max combined LTV of 75.0% (ii) Min combined DSCR of 1.10x
40	(21)	1	Metro 7000	(i) Max combined LTV of 70.0% (ii) Min combined DSCR of 1.10x
41		1	The Reserves Of Thomas Glen	(i) Max combined LTV of 70.0% (ii) Min combined DSCR of 1.10x
42		1	Ashton Heights Apartments	(i) Max combined LTV of 70.0% (ii) Min combined DSCR of 1.10x
43	(22)	1	Tradewinds MHC	(i) Max combined LTV of 60.0% (ii) Min combined DSCR of 1.10x
44		1	Summitwoods Apartments	(i) Max combined LTV of 75.0% (ii) Min combined DSCR of 1.10x
45		1	Country Meadows Apartments	(i) Max combined LTV of 75.0% (ii) Min combined DSCR of 1.10x
46		1	Pinnacle Place Apartments	(i) Max combined LTV of 75.0% (ii) Min combined DSCR of 1.10x
47		1	Oakview Place Apartment Homes	(i) Max combined LTV of 75.0% (ii) Min combined DSCR of 1.10x
48		1	Park Square Townhouses	(i) Max combined LTV of 80.0% (ii) Min combined DSCR of 1.10x
49		1	The Bromley	(i) Max combined LTV of 75.0% (ii) Min combined DSCR of 1.10x
50		1	Palmetto Gardens & Willwood Gardens	(i) Max combined LTV of 75.0% (ii) Min combined DSCR of 1.10x
51	(20)	1	Ridgewood - Indiana	(i) Max combined LTV of 70.0% (ii) Min combined DSCR of 1.10x (iii) EGI of \$1,263,572 and NOI of \$520,442
52	(20)	1	Heathmoore - Indianapolis	(i) Max combined LTV of 70.0% (ii) Min combined DSCR of 1.10x
53	(20)	1	Windrush	(i) Max combined LTV of 70.0% (ii) Min combined DSCR of 1.10x
54		1	Willowood	(i) Max combined LTV of 70.0% (ii) Min combined DSCR of 1.10x
55		1	Pine Meadows	(i) Max combined LTV of 70.0% (ii) Min combined DSCR of 1.10x
56	(20)	1	Heronwood	(i) Max combined LTV of 70.0% (ii) Min combined DSCR of 1.10x
57		1	Waterbury	(i) Max combined LTV of 70.0% (ii) Min combined DSCR of 1.10x
58	(20)	1	Willow Run	(i) Max combined LTV of 70.0% (ii) Min combined DSCR of 1.10x
59	(20)	1	Princeton Court	(i) Max combined LTV of 70.0% (ii) Min combined DSCR of 1.10x
60	(20)	1	Charing Cross	(i) Max combined LTV of 70.0% (ii) Min combined DSCR of 1.10x
61		1	Hartwick	(i) Max combined LTV of 70.0% (ii) Min combined DSCR of 1.10x (iii) EGI of \$348,905 and NOI of \$92,683

## Footnotes to Exhibit A-1

- (1) A rent level is considered to be affordable for Low and Very Low Income families if it does not exceed 30.0% of the maximum income level of such income category, with appropriate adjustments for unit size. The maximum income levels are as follows:
  - Affordable LI Units ( $\leq 80\%$  AMI) are affordable to families with incomes no greater than 80.0% of area median income ("AMI") in multifamily rental properties.
  - Affordable LI Units ( $\leq 60\%$  AMI) are affordable to families with incomes no greater than 60.0% of AMI in multifamily rental properties.
  - Affordable VLI Units ( $\leq 50\%$  AMI) are affordable to families with incomes no greater than 50.0% of AMI in multifamily rental properties.

As tenant income is frequently unknown, Freddie Mac relies on the rent as reflected in the most recent rent rolls available as a proxy to determine affordability pursuant to FHFA regulations (12 CFR Part 1282). AMI is subject to changes based on FHFA's annual Area Median Income Files. The mortgaged real properties may be subject to additional income and rent restrictions that are more restrictive than those set forth in this Exhibit A-1 and could include additional income and rent restrictions described in the applicable regulatory agreements.

- (2) Three groups of underlying mortgage loans (each, a "Crossed Loan Group") are made up of underlying mortgage loans that are cross-collateralized and cross-defaulted with each underlying mortgage loan in such group. The Cut-Off Date LTV, Maturity LTV, UW NCF DSCR and UW NCF DSCR (IO) calculations presented for the underlying mortgage loans in each Crossed Loan Group reflect, in each case, a weighted average of the respective individual calculation for each underlying mortgage loan in such Crossed Loan Group, weighted based on the Cut-Off Date Loan Amount for such underlying mortgage loan relative to the aggregate Cut-Off Date Loan Amount for all underlying mortgage loans in such Crossed Loan Group. The Cut-Off Date Balance/Unit calculations presented for the underlying mortgage loans in each Crossed Loan Group are based on the aggregate Cut-Off Date Loan Amount for all underlying mortgage loans in such Crossed Loan Group and the aggregate Total Units of all mortgaged real properties securing such underlying mortgage loans. See "*Description of the Underlying Mortgage Loans—Certain Terms and Conditions of this Underlying Mortgage Loans—Other Permitted Releases*" in this Information Circular.
- (3) The related groups of underlying mortgage loans were made to the same borrower or separate borrowers under common ownership. See "*Description of the Underlying Mortgage Loans—Cross-Collateralized Underlying Mortgage Loans and Underlying Mortgage Loans Made to the Same Borrower or Borrowers Under Common Ownership*" in this Information Circular.
- (4) The underlying mortgage loans will convert from an interest rate based on SOFR to an interest rate based on an Alternate Index if a Loan Index Conversion Event occurs. In the event of a conversion to an Alternate Index, the selection of the Alternate Index will be made by Freddie Mac in its sole discretion, in accordance with the terms of the related underlying mortgage loan. See "*Description of the Underlying Mortgage Loans—Certain Terms and Conditions of the Underlying Mortgage Loans—Conversion to Alternate Index*" in this Information Circular.

The Rate Index will convert to Term SOFR upon a Term SOFR Transition. See "*Description of the Underlying Mortgage Loans—Certain Terms and Conditions of the Underlying Mortgage Loans—Mortgage Interest Rates; Calculations of Interest*" in this Information Circular.

- (5) The Administration Fee Rate includes the master servicing fee rate, the sub-servicing fee rate (including the securitization compensation fee portion of the sub-servicing fee), the trustee fee rate, the master servicer surveillance fee rate, the special servicer surveillance fee rate, the certificate administrator fee rate and the CREFC<sup>®</sup> Intellectual Property Royalty License Fee Rate applicable to each underlying mortgage loan.
- (6) All underlying mortgage loans accrue interest from the first day to the last day of the respective month prior to any scheduled payment date. For each interest accrual period, SOFR is determined at 3:00 p.m. (New York time) on the U.S. Government Securities Business Day most recently preceding such interest accrual period, or if SOFR does not so appear on such day, 3:00 p.m. (New York time) on the first preceding U.S. Government Securities Business Day for which such rate was published. See "*Description of the Underlying Mortgage Loans—Certain Terms and Conditions of the Underlying Mortgage Loans—Mortgage Interest Rates; Calculations of Interest*" in this Information Circular.

- (7) The Rate Cap (Lifetime) is the capped interest rate pursuant to the underlying mortgage note.
- (8) The Index Cap Strike Price is the strike rate for the index cap agreement that the respective borrower has pledged as collateral for the underlying mortgage loan. The index cap agreement requires the cap counterparty to make payments to the trust upon the occurrence of an increase in the index over the Index Cap Strike Price.

With respect to any underlying mortgage loans where the existing index cap agreement has a strike rate below the strike rate required by the underlying mortgage loan agreement, the higher of the (i) strike rate required under the related underlying mortgage loan agreement and (ii) highest index cap agreement strike rate is shown and was used for all calculations.

The strike rate in all related index cap agreements related to underlying mortgage loans will be based on Compounded SOFR until Compounded SOFR is not published by the Federal Reserve Board and/or the Federal Reserve Bank of New York, on the website of the Federal Reserve Bank of New York, or a committee officially endorsed or convened by the Federal Reserve Board and/or the Federal Reserve Bank of New York, or any successor publisher of Compounded SOFR. If Compounded SOFR is no longer published, the related interest rate cap provider will have the right to select a substitute index in lieu of Compounded SOFR, in consultation with Freddie Mac.

- (9) Monthly Debt Service Amount (Amortizing) shown for underlying mortgage loans with partial interest-only periods reflects such amount payable after expiration of the interest-only period and is calculated based on the Cut-Off Date Loan Amount, the Amortization Term (Remaining) and an assumed SOFR of 0.25000% *per annum*.

Monthly Debt Service Amount (Amortizing) shown for full-term interest-only underlying mortgage loans is the Monthly Debt Service Amount (IO).

Monthly Debt Service Amount (IO) is calculated based on the Original Loan Amount, Accrual Basis divided by 12 months and an assumed SOFR of 0.25000% *per annum*.

Actual First Monthly Payment to Trust for underlying mortgage loans that require payments of principal and interest as of the Cut-off Date is calculated based on the Cut-Off Date Loan Amount, the Amortization Term (Remaining) and actual SOFR of 0.02733% as of June 30, 2021. Actual First Monthly Payment to Trust for underlying mortgage loans that require interest-only payments as of the Cut-off Date is calculated based on the Original Loan Amount, Accrual Basis of 31 days, and actual SOFR of 0.02733% as of June 30, 2021.

Monthly Debt Service Amount (at Cap) is calculated based on the Cut-Off Date Loan Amount, the Amortization Term (Remaining) and the Rate Cap (Lifetime) or Index Cap Strike Price plus the Margin for partial interest-only and amortizing underlying mortgage loans. Monthly Debt Service Amount (at Cap) is calculated based on the Cut-Off Date Loan Amount, the Rate Cap (Lifetime) or Index Cap Strike Price plus the Margin, and the Accrual Basis divided by 12 months for interest-only underlying mortgage loans.

- (10) Prepayment Provision is shown from the respective underlying mortgage loan origination date.

The loan documents for all of the underlying mortgage loans that have prepayment consideration periods during which voluntary principal prepayments must be accompanied by a static prepayment premium generally permit the borrower to prepay the entire related underlying mortgage loan without payment of a static prepayment premium when applicable, provided that such underlying mortgage loan is prepaid using the proceeds of certain types of Freddie Mac mortgage loans that are the subject of a binding purchase commitment between Freddie Mac and a Freddie Mac Optigo<sup>®</sup> Seller/Servicer. The Prepayment Provision characteristic for these underlying mortgage loans does not reflect this prepayment option.

- (11) Initial Reserve balances are as of the related underlying mortgage loan origination date, not as of the Cut-off Date.
- (12) With respect to Tax and Insurance Reserve (Monthly), springing Tax and Insurance Reserve (Monthly) commences upon (i) an event of default or (ii) the origination of a supplemental mortgage.
- (13) With respect to Replacement Reserve (Monthly), springing Replacement Reserve (Monthly) commences upon (i) an event of default or (ii) the origination of a supplemental mortgage.

- (14) With respect to the Interest Rate Cap Reserve (Monthly), generally the related borrower is required to make a monthly deposit to be used for the purchase of a replacement cap agreement upon the expiration of the rate cap agreement in place as of the Cut-off Date for the related underlying mortgage loan. The escrow deposit will be recomputed semi-annually or annually, as defined in the related underlying mortgage loan documents, based on the lender's estimation of the cost of the replacement cap agreement. The replacement cap agreement must be made with a provider approved by the lender.
- (15) With respect to Other Reserve (Monthly), a springing Radon Remediation Reserve commences upon the related long term radon test concluding radon concentrations at or greater than 4 pCi/L.

With respect to the springing Radon Remediation Reserve, the borrower is required to make a deposit of 150% of the total amount necessary for remediation if radon testing results indicate radon remediation is required.

With respect to Other Reserve (Monthly), following completion of the Deferred Property Inspections, the borrower will be required to deposit 125% of the cost of any related Deferred Property Replacements if the aggregate cost of such Deferred Property Replacements exceeds the greater of (i) \$25,000 or (ii) 0.25% of the original principal balance of the underlying mortgage loan.

With respect to Other Reserve (Initial) and Other Reserve Description, certain underlying mortgage loans required the related borrower to deposit amounts on the origination date into a COVID-19 Debt Service Reserve for payment of any deficit in the monthly debt service payment. Upon an event of default with respect to any such underlying mortgage loan (in certain cases, other than an event of default that will be cured by the making of a requested disbursement from the related COVID-19 Debt Service Reserve), the lender may make additional disbursements from such COVID-19 Debt Service Reserve in the lender's discretion, including applying amounts to prepay the outstanding principal balance of such underlying mortgage loan. The related borrower may be required to pay a prepayment premium calculated in accordance with the related underlying mortgage loan documents. See "*Description of the Underlying Mortgage Loans—Certain Terms and Conditions of the Underlying Mortgage Loans—Escrow and Reserve Accounts*" in this Information Circular.

With respect to Springing Reserve Type, for the underlying mortgage loans identified as having a COVID-19 Debt Service Reserve, each related borrower is required to deposit additional funds into the related COVID-19 Debt Service Reserve if the funds in such reserve are below a certain threshold amount. See "*Description of the Underlying Mortgage Loans—Certain Terms and Conditions of the Underlying Mortgage Loans—Escrow and Reserve Accounts—COVID-19 Debt Service Reserve*" in this Information Circular.

- (16) With respect to Future Supplemental Financing Description, other than the required maximum combined LTV and minimum combined DSCR, calculated at the Rate Cap (Lifetime) or Index Cap Strike Price where applicable, the underlying mortgage loan documents also require (i) Freddie Mac approval, (ii) such supplemental financing be originated at least 12 months after the origination of the first mortgage and (iii) certain other conditions of the security instrument or underlying mortgage loan agreement, where applicable.
- (17) With respect to Appraised Value, for the mortgaged real property identified as "The Rheingold A-2," the "As-Stabilized" value is estimated assuming satisfaction of projected re-tenanting or increased tenant occupancy conditions. See "*Description of the Underlying Mortgage Loans—Underwriting Matters—Appraisals and Market Studies*" in this Information Circular.

With respect to Note Date, for the underlying mortgage loan secured by the mortgaged real property identified as "The Rheingold A-2," the Note Date of April 23, 2021 reflects the date of the Amended and Restated Replacement Multifamily Note A-2. The underlying mortgage loan was originated on August 16, 2019.

- (18) With respect to Additional Financing Amount (Existing), the underlying mortgage loan secured by the mortgaged real property identified as "The Rheingold A-2" (the "Non-Serviced Loan") and the related *pari passu* companion loan (the "Non-Serviced Companion Loan") together constitute a \$204,410,000 whole loan (the "Non-Serviced Whole Loan"). The Non-Serviced Companion Loan will not be included in the issuing entity. The Non-Serviced Companion Loan is *pari passu* in right of payment with the Non-Serviced Loan. The Non-Serviced Loan has an outstanding principal balance as of the Cut-off Date of \$102,205,000. The Non-Serviced Companion Loan has an outstanding principal balance as of the Cut-off Date of \$102,205,000. All loan-to-value ratios, debt service coverage ratios and principal balance per unit calculations are based on the Non-Serviced Whole Loan. See "*Description of the Underlying Mortgage Loans—The Non-Serviced Whole Loan*" in this Information Circular.

- (19) With respect to Title Vesting (Fee/Leasehold/Both), the underlying mortgage loan secured by the mortgaged real property identified as “The Salado At Red Berry” is secured by the leasehold interest of the related borrower and the fee interest of the related ground lessor in the mortgaged real property. The mortgaged real property is subject to a ground lease between the related borrower, as ground lessee, and the San Antonio Housing Trust Public Facility Corporation, as ground lessor, made in connection with the related tax abatement. The rent under the ground lease is net cash flow rent, calculated based on the assumed debt service amount of \$2,679,197 and 10.0% of available cash, and, commencing on October 22, 2021, the rent due under the ground lease is the net cash flow rent plus administrative rent in the amount of \$25,000 per annum. The ground lease generally requires, to retain the tax abatement, that at least 50.0% of the units be reserved for tenants earning less than 80.0% of the area median income, subject to certain rental restrictions. The ground lease is scheduled to terminate on October 22, 2093.
- (20) With respect to Other Reserve (Initial) and Other Reserve Description, for certain underlying mortgage loans, amounts deposited on the origination date into a COVID-19 Debt Service Reserve have since been released to the related borrower. See “*Description of the Underlying Mortgage Loans—Certain Terms and Conditions of the Underlying Mortgage Loans—Escrow and Reserve Accounts*” in this Information Circular.
- (21) With respect to Non-Compliance Provisions (Y/N), for the underlying mortgage loans secured by the mortgaged real properties identified as “Oaks At Holcomb Bridge Apartment Homes” and “Metro 7000,” pursuant to the related loan documents, each mortgaged real property secures an Impact Affordable Loan and each borrower is required, beginning on the first day of the month following the first anniversary of the origination of such Impact Affordable Loan, to meet certain required rent restrictions and/or required income restrictions. If a borrower fails to cure any related noncompliance with respect to an Impact Affordable Loan or related provisions pursuant to the Impact Affordable Loan documents, the borrower will be required to pay an Affordability Noncompliance Fee as specified in the related loan documents. See “*Risk Factors—Risks Related to the Underlying Mortgage Loans—Impact Affordable Loans*” in this Information Circular.
- (22) With respect to Non-Compliance Provisions (Y/N), the underlying mortgage loans secured by the mortgaged real properties identified as “Longhaven Estates MHC” and “Tradewinds MHC” are MHC Tenant Protections Loans, and each related borrower is required to incorporate the MHC Tenant Protections in its lease for home sites at the related mortgaged real property. If the related borrowers fail to cure any noncompliance with the provisions of the applicable MHC Tenant Protections Loan documents, such borrowers will be required to pay an MHC Tenant Protections Fee in the amount of \$430,000 and \$230,920, respectively. See “*Description of the Underlying Mortgage Loans—Additional Loan and Property Information—Manufactured Housing Community Properties*” in this Information Circular.
- (23) With respect to Title Vesting (Fee/Leasehold/Both), the underlying mortgage loan secured by the mortgaged real property identified as “Whispering Pines” is secured by the leasehold interest of the related borrower in the land related to the mortgaged real property, the fee interest of the related borrower in certain improvements on the related mortgaged real property and the fee interest of the related ground lessor in the land related to the mortgaged real property. The mortgaged real property is subject to a ground lease between the related borrower, as ground lessee, and the Paisano Housing Redevelopment Corporation, as ground lessor, made in connection with the related tax abatement. The rent under the ground lease is \$0 per annum. The ground lease generally requires, to retain the tax abatement, that at least 50.0% of the units be reserved for tenants earning no more than 80.0% of the area median income, subject to certain rent restrictions. The ground lease is scheduled to terminate on April 30, 2120.

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**EXHIBIT A-2**

**CERTAIN MORTGAGE POOL INFORMATION**

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### Ten Largest Underlying Mortgage Loans or Groups of Cross-Collateralized Underlying Mortgage Loans

Loan Name	Number of Mortgaged Properties	Property Sub-Type	Location	Cut-off Date Principal Balance	% of Initial Mortgage Pool Balance	Underwritten NCF DSCR	Underwritten NCF DSCR at Cap	Cut-off Date LTV Ratio	Margin
The Rheingold A-2 <sup>(1)</sup>	1	Mid Rise	New York, NY	\$102,205,000	10.9%	3.57x	1.20x	66.1%	1.690%
Town Southern	1	Garden	Royal Palm Beach, FL	82,075,000	8.7	1.25x	1.03x	67.1%	2.630%
Gramercy Apartments	1	Garden	Carmel, IN	50,400,000	5.4	1.34x	1.00x	75.2%	2.830%
The Salado At Red Berry	1	Garden	San Antonio, TX	47,813,000	5.1	1.31x	1.00x	75.3%	2.760%
Astorwood	1	Garden	Stuart, FL	7,993,000	0.8	1.38x	1.01x	73.3%	2.750%
Apple Ridge	1	Garden	Circleville, OH	6,864,000	0.7	1.38x	1.01x	73.3%	2.750%
Ridgewood Court	1	Garden	Columbus, OH	6,515,000	0.7	1.38x	1.01x	73.3%	2.750%
Palm Place	1	Garden	Sarasota, FL	6,288,000	0.7	1.38x	1.01x	73.3%	2.750%
Summit Center	1	Garden	West Palm Beach, FL	5,923,000	0.6	1.38x	1.01x	73.3%	2.750%
Pine Barrens	1	Garden	Jacksonville, FL	5,559,000	0.6	1.38x	1.01x	73.3%	2.750%
Sherbrook	1	Garden	Wexford, PA	4,562,000	0.5	1.38x	1.01x	73.3%	2.750%
Mariners Cove	1	Garden	Toms River, NJ	41,826,000	4.5	1.33x	1.02x	68.0%	2.980%
4 Corners Apartments	1	Garden	Frisco, TX	41,697,000	4.4	1.47x	1.01x	57.8%	2.600%
Vista Del Rey Apartments	1	Garden	San Antonio, TX	34,650,000	3.7	1.29x	1.02x	75.0%	2.800%
Thymewood	1	Garden	Hialeah, FL	16,264,000	1.7	1.38x	1.02x	74.2%	2.750%
Rivers End	1	Garden	Jacksonville, FL	7,220,000	0.8	1.38x	1.02x	74.2%	2.750%
Meadowood	1	Garden	Columbus, OH	3,603,000	0.4	1.38x	1.02x	74.2%	2.750%
Bridgepoint	1	Garden	Jacksonville, FL	3,436,000	0.4	1.38x	1.02x	74.2%	2.750%
Stonehenge	1	Garden	Dayton, OH	2,417,000	0.3	1.38x	1.02x	74.2%	2.750%
Northwood	1	Garden	Belleview, FL	1,668,000	0.2	1.38x	1.02x	74.2%	2.750%
Oaks At Holcomb Bridge Apartment Homes	1	Garden	Roswell, GA	32,725,000	3.5	1.31x	1.01x	69.3%	2.610%
<b>Total / Wtd. Average</b>	<b>21</b>			<b>\$511,303,000</b>	<b>54.4%</b>	<b>1.78x</b>	<b>1.05x</b>	<b>69.8%</b>	<b>2.529%</b>

(1) The Rheingold A-2 (the "Non-Serviced Loan") is part of a whole loan combination evidenced by two pari passu promissory notes ("The Rheingold Note A-1" and "The Rheingold Note A-2", respectively, and together, the "Non-Serviced Whole Loan") with an aggregate original principal balance of \$204,410,000. All underwritten debt service coverage ratios and loan-to-value ratios for the Non-Serviced Loan include the Non-Serviced Companion Loan as described on page 15.

### Mortgage Loans with Pari Passu Companion Loans

Loan Name	Notes	Original Principal Balance	Holder of the Note	Lead Servicer for the Entire Loan	Master Servicer Under Related Securitization Servicing Agreements	Special Servicer Under Related Securitization Servicing Agreements
The Rheingold	A-1	\$102,205,000	FREMF 2021-KF110	(1)	KeyBank National Association	KeyBank National Association
	A-2	\$102,205,000	FREMF 2021-KF117	(1)	Wells Fargo Bank, National Association	KeyBank National Association

(1) The Rheingold Note A-1 (the "Non-Serviced Companion Loan") will not be included in the issuing entity. The Non-Serviced Whole Loan will be serviced pursuant to the terms of the pooling and servicing agreement for the FREMF 2021-KF110 Mortgage Trust, subject to the terms of the related co-lender agreement. See "Description of the Underlying Mortgage Loans — The Non-Serviced Whole Loan" in the Information Circular.

### Mortgage Pool Cut-off Date Principal Balances

Range of Cut-off Date Principal Balances	Number of Mortgage Loans	Cut-off Date Principal Balance	% of Initial Mortgage Pool Balance	Weighted Average Underwritten NCF DSCR	Weighted Average Underwritten NCF DSCR at Cap	Weighted Average Cut-off Date LTV Ratio	Weighted Average Margin
\$1,216,000 - \$4,999,999	18	\$54,383,000	5.8%	1.49x	1.01x	71.6%	2.823%
\$5,000,000 - \$9,999,999	18	125,072,000	13.3	1.46x	1.01x	73.0%	2.786%
\$10,000,000 - \$19,999,999	10	145,559,000	15.5	1.38x	1.02x	68.3%	2.779%
\$20,000,000 - \$29,999,999	5	118,486,000	12.6	1.30x	1.02x	62.7%	2.746%
\$30,000,000 - \$39,999,999	4	130,163,000	13.9	1.38x	1.01x	73.8%	2.735%
\$40,000,000 - \$49,999,999	3	131,336,000	14.0	1.37x	1.01x	67.4%	2.779%
\$50,000,000 - \$74,999,999	1	50,400,000	5.4	1.34x	1.00x	75.2%	2.830%
\$75,000,000 - \$102,205,000	2	184,280,000	19.6	2.54x	1.12x	66.5%	2.109%
<b>Total / Wtd. Average</b>	<b>61</b>	<b>\$939,679,000</b>	<b>100.0%</b>	<b>1.61x</b>	<b>1.03x</b>	<b>69.1%</b>	<b>2.644%</b>

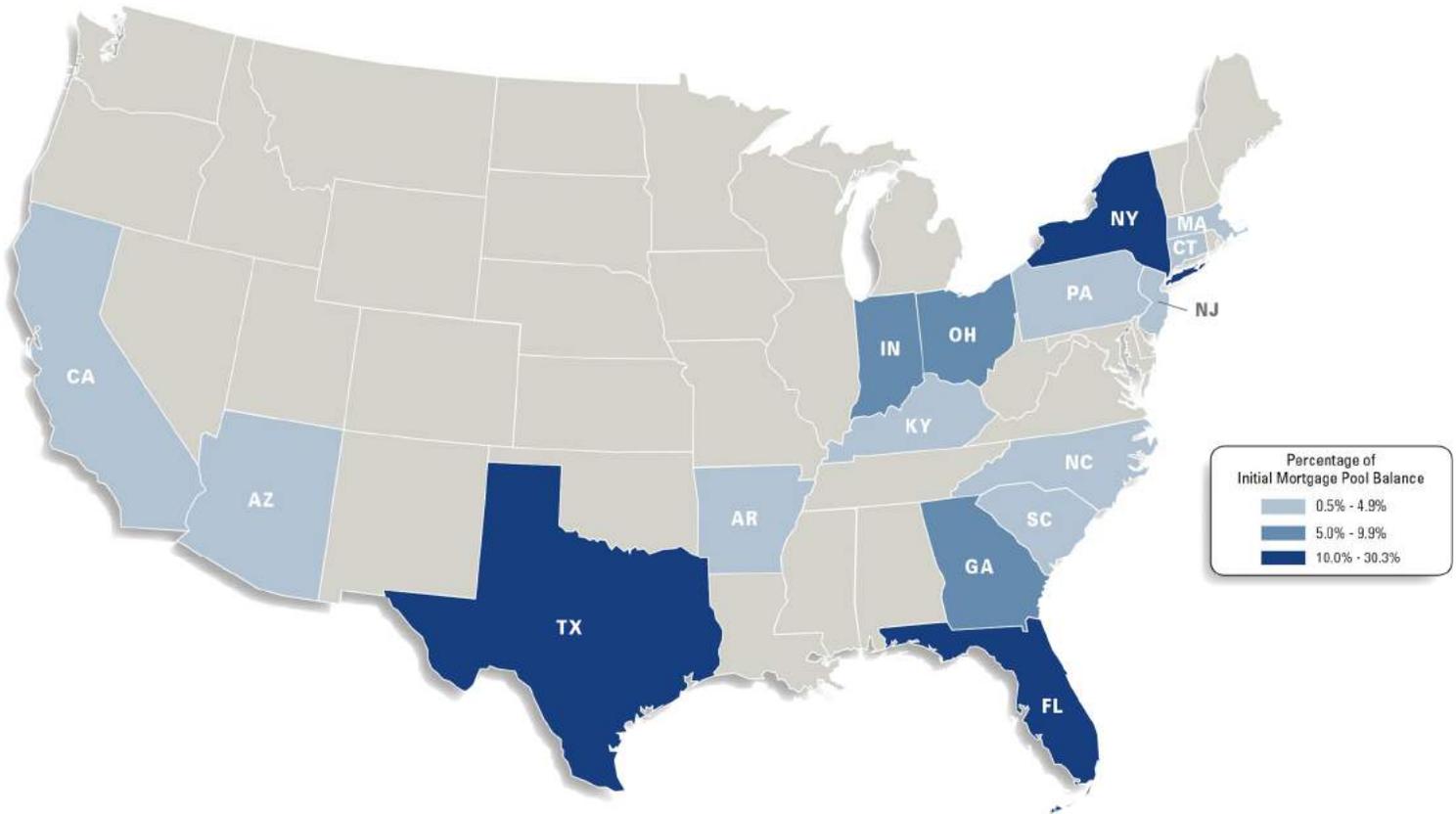
### Mortgage Pool Underwritten Debt Service Coverage Ratios

Range of Underwritten DSCRs	Number of Mortgage Loans	Cut-off Date Principal Balance	% of Initial Mortgage Pool Balance	Weighted Average Underwritten NCF DSCR	Weighted Average Underwritten NCF DSCR at Cap	Weighted Average Cut-off Date LTV Ratio	Weighted Average Margin
1.25x - 1.29x	4	\$160,012,000	17.0%	1.26x	1.02x	69.3%	2.709%
1.30x - 1.34x	13	344,207,000	36.6	1.32x	1.01x	69.5%	2.774%
1.35x - 1.39x	16	113,359,000	12.1	1.38x	1.02x	71.3%	2.759%
1.40x - 1.49x	9	103,981,000	11.1	1.46x	1.01x	65.1%	2.720%
1.50x - 1.59x	12	55,044,000	5.9	1.54x	1.01x	73.3%	2.785%
1.60x - 1.69x	4	53,058,000	5.6	1.61x	1.01x	70.9%	2.858%
1.70x - 3.57x	3	110,018,000	11.7	3.44x	1.19x	66.0%	1.776%
<b>Total / Wtd. Average</b>	<b>61</b>	<b>\$939,679,000</b>	<b>100.0%</b>	<b>1.61x</b>	<b>1.03x</b>	<b>69.1%</b>	<b>2.644%</b>

### Mortgage Pool Geographic Distribution

Property Location	Number of Mortgaged Properties	Cut-off Date Principal Balance	% of Initial Mortgage Pool Balance	Weighted Average Underwritten NCF DSCR	Weighted Average Underwritten NCF DSCR at Cap	Weighted Average Cut-off Date LTV Ratio	Weighted Average Margin
Texas	12	\$284,850,000	30.3%	1.35x	1.01x	68.6%	2.762%
Florida	12	147,311,000	15.7%	1.32x	1.02x	69.6%	2.695%
New York	1	102,205,000	10.9%	3.57x	1.20x	66.1%	1.690%
Indiana	7	77,057,000	8.2%	1.43x	1.00x	73.4%	2.831%
Ohio	12	72,090,000	7.7%	1.53x	1.01x	73.0%	2.786%
Georgia	3	49,195,000	5.2%	1.34x	1.01x	70.5%	2.670%
New Jersey	1	41,826,000	4.5%	1.33x	1.02x	68.0%	2.980%
Connecticut	2	41,772,000	4.4%	1.35x	1.01x	77.3%	2.684%
Arizona	2	38,725,000	4.1%	1.30x	1.00x	55.4%	2.670%
Arkansas	2	20,936,000	2.2%	1.50x	1.01x	71.5%	2.745%
North Carolina	1	17,600,000	1.9%	1.49x	1.03x	65.3%	2.790%
Kentucky	2	16,353,000	1.7%	1.34x	1.01x	66.9%	2.807%
California	1	11,546,000	1.2%	1.32x	1.01x	57.4%	2.570%
<i>Southern California</i>	1	11,546,000	1.2%	1.32x	1.01x	57.4%	2.570%
Massachusetts	1	7,004,000	0.7%	1.43x	1.01x	78.9%	3.150%
South Carolina	1	6,647,000	0.7%	1.38x	1.01x	71.9%	3.070%
Pennsylvania	1	4,562,000	0.5%	1.38x	1.01x	73.3%	2.750%
<b>Total / Wtd. Average</b>	<b>61</b>	<b>\$939,679,000</b>	<b>100.0%</b>	<b>1.61x</b>	<b>1.03x</b>	<b>69.1%</b>	<b>2.644%</b>

### Collateral Locations



### Mortgage Pool Cut-off Date Loan-to-Value Ratios

Range of Cut-off Date LTV Ratios	Number of Mortgage Loans	Cut-off Date Principal Balance	% of Initial Mortgage Pool Balance	Weighted Average Underwritten NCF DSCR	Weighted Average Underwritten NCF DSCR at Cap	Weighted Average Cut-off Date LTV Ratio	Weighted Average Margin
47.7% - 59.9%	3	\$74,743,000	8.0%	1.40x	1.01x	54.8%	2.604%
60.0% - 64.9%	4	49,123,000	5.2	1.38x	1.02x	62.8%	2.724%
65.0% - 67.4%	8	244,223,000	26.0	2.26x	1.10x	66.3%	2.276%
67.5% - 69.9%	11	183,142,000	19.5	1.35x	1.02x	68.6%	2.827%
70.0% - 72.4%	5	33,978,000	3.6	1.41x	1.01x	71.5%	2.903%
72.5% - 74.9%	17	134,942,000	14.4	1.44x	1.01x	73.3%	2.746%
75.0% - 78.9%	13	219,528,000	23.4	1.36x	1.01x	75.8%	2.792%
<b>Total / Wtd. Average</b>	<b>61</b>	<b>\$939,679,000</b>	<b>100.0%</b>	<b>1.61x</b>	<b>1.03x</b>	<b>69.1%</b>	<b>2.644%</b>

### Mortgage Pool Maturity Date Loan-to-Value Ratios

Range of Maturity Date LTV Ratios	Number of Mortgage Loans	Cut-off Date Principal Balance	% of Initial Mortgage Pool Balance	Weighted Average Underwritten NCF DSCR	Weighted Average Underwritten NCF DSCR at Cap	Weighted Average Maturity Date LTV Ratio	Weighted Average Margin
42.4% - 49.9%	1	\$21,500,000	2.3%	1.30x	1.00x	42.4%	2.630%
50.0% - 54.9%	3	73,943,000	7.9	1.42x	1.02x	52.3%	2.618%
55.0% - 59.9%	10	178,880,000	19.0	1.34x	1.02x	58.7%	2.710%
60.0% - 62.4%	14	197,887,000	21.1	1.36x	1.02x	61.0%	2.821%
62.5% - 64.9%	8	127,029,000	13.5	1.43x	1.01x	63.9%	2.812%
65.0% - 67.4%	18	283,684,000	30.2	2.15x	1.08x	66.3%	2.390%
67.5% - 69.9%	7	56,756,000	6.0	1.42x	1.01x	68.9%	2.744%
<b>Total / Wtd. Average</b>	<b>61</b>	<b>\$939,679,000</b>	<b>100.0%</b>	<b>1.61x</b>	<b>1.03x</b>	<b>61.9%</b>	<b>2.644%</b>

### Mortgage Pool Margin Rates

Range of Margins	Number of Mortgage Loans	Cut-off Date Principal Balance	% of Initial Mortgage Pool Balance	Weighted Average Underwritten NCF DSCR	Weighted Average Underwritten NCF DSCR at Cap	Weighted Average Cut-off Date LTV Ratio	Weighted Average Margin
1.690% - 2.499%	1	\$102,205,000	10.9%	3.57x	1.20x	66.1%	1.690%
2.500% - 2.749%	12	313,426,000	33.4	1.33x	1.02x	65.3%	2.645%
2.750% - 2.799%	25	229,193,000	24.4	1.42x	1.01x	73.0%	2.766%
2.800% - 2.849%	6	143,526,000	15.3	1.34x	1.01x	73.1%	2.817%
2.850% - 3.150%	17	151,329,000	16.1	1.41x	1.01x	69.3%	2.936%
<b>Total / Wtd. Average</b>	<b>61</b>	<b>\$939,679,000</b>	<b>100.0%</b>	<b>1.61x</b>	<b>1.03x</b>	<b>69.1%</b>	<b>2.644%</b>

### Mortgage Pool Rate Cap Status

Rate Cap Status	Number of Mortgage Loans	Cut-off Date Principal Balance	% of Initial Mortgage Pool Balance	Weighted Average Underwritten NCF DSCR	Weighted Average Underwritten NCF DSCR at Cap	Weighted Average Cut-off Date LTV Ratio	Weighted Average Margin
Third Party Index Cap	61	\$939,679,000	100.0%	1.61x	1.03x	69.1%	2.644%
<b>Total / Wtd. Average</b>	<b>61</b>	<b>\$939,679,000</b>	<b>100.0%</b>	<b>1.61x</b>	<b>1.03x</b>	<b>69.1%</b>	<b>2.644%</b>

### Mortgage Pool Index Cap Strike Prices

Range of Index Cap Strike Prices	Number of Mortgage Loans	Cut-off Date Principal Balance	% of Initial Mortgage Pool Balance	Weighted Average Underwritten NCF DSCR	Weighted Average Underwritten NCF DSCR at Cap	Weighted Average Cut-off Date LTV Ratio	Weighted Average Margin
1.870% - 2.249%	5	\$185,492,000	19.7%	1.27x	1.02x	69.1%	2.723%
2.250% - 2.499%	9	168,447,000	17.9	1.31x	1.01x	66.9%	2.706%
2.500% - 2.749%	8	186,372,000	19.8	1.34x	1.01x	71.6%	2.818%
2.750% - 3.249%	11	77,152,000	8.2	1.40x	1.01x	73.7%	2.786%
3.250% - 3.749%	11	112,426,000	12.0	1.45x	1.01x	65.8%	2.719%
3.750% - 4.249%	8	135,151,000	14.4	3.08x	1.15x	67.4%	1.963%
4.250% - 4.749%	5	56,618,000	6.0	1.60x	1.01x	72.2%	2.837%
4.750% - 5.000%	4	18,021,000	1.9	1.65x	1.01x	67.9%	2.861%
<b>Total / Wtd. Average</b>	<b>61</b>	<b>\$939,679,000</b>	<b>100.0%</b>	<b>1.61x</b>	<b>1.03x</b>	<b>69.1%</b>	<b>2.644%</b>

### Mortgage Pool Original Term to Maturity

Original Term to Maturity (months)	Number of Mortgage Loans	Cut-off Date Principal Balance	% of Initial Mortgage Pool Balance	Weighted Average Underwritten NCF DSCR	Weighted Average Underwritten NCF DSCR at Cap	Weighted Average Cut-off Date LTV Ratio	Weighted Average Margin
120	61	\$939,679,000	100.0%	1.61x	1.03x	69.1%	2.644%
<b>Total / Wtd. Average</b>	<b>61</b>	<b>\$939,679,000</b>	<b>100.0%</b>	<b>1.61x</b>	<b>1.03x</b>	<b>69.1%</b>	<b>2.644%</b>

### Mortgage Pool Remaining Term to Maturity

Remaining Term to Maturity (months)	Number of Mortgage Loans	Cut-off Date Principal Balance	% of Initial Mortgage Pool Balance	Weighted Average Underwritten NCF DSCR	Weighted Average Underwritten NCF DSCR at Cap	Weighted Average Cut-off Date LTV Ratio	Weighted Average Margin
98 - 117	1	\$102,205,000	10.9%	3.57x	1.20x	66.1%	1.690%
118	37	320,390,000	34.1	1.39x	1.01x	71.7%	2.798%
119 - 120	23	517,084,000	55.0	1.36x	1.01x	68.1%	2.737%
<b>Total / Wtd. Average</b>	<b>61</b>	<b>\$939,679,000</b>	<b>100.0%</b>	<b>1.61x</b>	<b>1.03x</b>	<b>69.1%</b>	<b>2.644%</b>

### Mortgage Pool Original Amortization Term

Original Amortization Term (months)	Number of Mortgage Loans	Cut-off Date Principal Balance	% of Initial Mortgage Pool Balance	Weighted Average Underwritten NCF DSCR	Weighted Average Underwritten NCF DSCR at Cap	Weighted Average Cut-off Date LTV Ratio	Weighted Average Margin
Interest Only	1	\$102,205,000	10.9%	3.57x	1.20x	66.1%	1.690%
360	60	837,474,000	89.1	1.37x	1.01x	69.5%	2.760%
<b>Total / Wtd. Average</b>	<b>61</b>	<b>\$939,679,000</b>	<b>100.0%</b>	<b>1.61x</b>	<b>1.03x</b>	<b>69.1%</b>	<b>2.644%</b>

### Mortgage Pool Remaining Amortization Term

Remaining Amortization Term (months)	Number of Mortgage Loans	Cut-off Date Principal Balance	% of Initial Mortgage Pool Balance	Weighted Average Underwritten NCF DSCR	Weighted Average Underwritten NCF DSCR at Cap	Weighted Average Cut-off Date LTV Ratio	Weighted Average Margin
Interest Only	1	\$102,205,000	10.9%	3.57x	1.20x	66.1%	1.690%
360	60	837,474,000	89.1	1.37x	1.01x	69.5%	2.760%
<b>Total / Wtd. Average</b>	<b>61</b>	<b>\$939,679,000</b>	<b>100.0%</b>	<b>1.61x</b>	<b>1.03x</b>	<b>69.1%</b>	<b>2.644%</b>

### Mortgage Pool Seasoning

Seasoning (months)	Number of Mortgage Loans	Cut-off Date Principal Balance	% of Initial Mortgage Pool Balance	Weighted Average Underwritten NCF DSCR	Weighted Average Underwritten NCF DSCR at Cap	Weighted Average Cut-off Date LTV Ratio	Weighted Average Margin
0 - 1	23	\$517,084,000	55.0%	1.36x	1.01x	68.1%	2.737%
2	37	320,390,000	34.1	1.39x	1.01x	71.7%	2.798%
3 - 22	1	102,205,000	10.9	3.57x	1.20x	66.1%	1.690%
<b>Total / Wtd. Average</b>	<b>61</b>	<b>\$939,679,000</b>	<b>100.0%</b>	<b>1.61x</b>	<b>1.03x</b>	<b>69.1%</b>	<b>2.644%</b>

### Mortgage Pool Amortization Type

Amortization Type	Number of Mortgage Loans	Cut-off Date Principal Balance	% of Initial Mortgage Pool Balance	Weighted Average Underwritten NCF DSCR	Weighted Average Underwritten NCF DSCR at Cap	Weighted Average Cut-off Date LTV Ratio	Weighted Average Margin
Partial IO	60	\$837,474,000	89.1%	1.37x	1.01x	69.5%	2.760%
Interest Only	1	102,205,000	10.9	3.57x	1.20x	66.1%	1.690%
<b>Total / Wtd. Average</b>	<b>61</b>	<b>\$939,679,000</b>	<b>100.0%</b>	<b>1.61x</b>	<b>1.03x</b>	<b>69.1%</b>	<b>2.644%</b>

### Mortgage Pool Loan Purpose

Loan Purpose	Number of Mortgage Loans	Cut-off Date Principal Balance	% of Initial Mortgage Pool Balance	Weighted Average Underwritten NCF DSCR	Weighted Average Underwritten NCF DSCR at Cap	Weighted Average Cut-off Date LTV Ratio	Weighted Average Margin
Acquisition	55	\$728,493,000	77.5%	1.35x	1.01x	70.1%	2.766%
Refinance	6	211,186,000	22.5	2.51x	1.10x	65.7%	2.221%
<b>Total / Wtd. Average</b>	<b>61</b>	<b>\$939,679,000</b>	<b>100.0%</b>	<b>1.61x</b>	<b>1.03x</b>	<b>69.1%</b>	<b>2.644%</b>

### Mortgage Pool Prepayment Protection

Prepayment Protection	Number of Mortgage Loans	Cut-off Date Principal Balance	% of Initial Mortgage Pool Balance	Weighted Average Underwritten NCF DSCR	Weighted Average Underwritten NCF DSCR at Cap	Weighted Average Cut-off Date LTV Ratio	Weighted Average Margin
Lockout Followed by 1% Penalty	49	\$799,886,000	85.1%	1.36x	1.01x	69.6%	2.753%
3% Followed by 2% Followed by 1% Penalty	1	102,205,000	10.9	3.57x	1.20x	66.1%	1.690%
1% Penalty	11	37,588,000	4.0	1.58x	1.01x	67.3%	2.900%
<b>Total / Wtd. Average</b>	<b>61</b>	<b>\$939,679,000</b>	<b>100.0%</b>	<b>1.61x</b>	<b>1.03x</b>	<b>69.1%</b>	<b>2.644%</b>

### Mortgage Pool Property Sub-Type

Property Sub-Type	Number of Mortgaged Properties	Cut-off Date Principal Balance	% of Initial Mortgage Pool Balance	Weighted Average Underwritten NCF DSCR	Weighted Average Underwritten NCF DSCR at Cap	Weighted Average Cut-off Date LTV Ratio	Weighted Average Margin
Garden	57	\$797,424,000	84.9%	1.37x	1.01x	70.1%	2.763%
Mid Rise	1	102,205,000	10.9	3.57x	1.20x	66.1%	1.690%
MHC Age Restricted	1	21,500,000	2.3	1.30x	1.00x	47.7%	2.630%
Manufactured Housing Community	1	11,546,000	1.2	1.32x	1.01x	57.4%	2.570%
Townhome	1	7,004,000	0.7	1.43x	1.01x	78.9%	3.150%
<b>Total / Wtd. Average</b>	<b>61</b>	<b>\$939,679,000</b>	<b>100.0%</b>	<b>1.61x</b>	<b>1.03x</b>	<b>69.1%</b>	<b>2.644%</b>

### Mortgage Pool Current Occupancy

Range of Current Occupancy	Number of Mortgaged Properties	Cut-off Date Principal Balance	% of Initial Mortgage Pool Balance	Weighted Average Underwritten NCF DSCR	Weighted Average Underwritten NCF DSCR at Cap	Weighted Average Cut-off Date LTV Ratio	Weighted Average Margin
85.4% - 89.9%	4	\$141,008,000	15.0%	2.96x	1.15x	62.5%	1.955%
90.0% - 94.9%	13	252,549,000	26.9	1.35x	1.01x	68.8%	2.748%
95.0% - 97.4%	21	350,148,000	37.3	1.37x	1.02x	70.0%	2.781%
97.5% - 100.0%	23	195,974,000	20.9	1.41x	1.01x	72.6%	2.759%
<b>Total / Wtd. Average</b>	<b>61</b>	<b>\$939,679,000</b>	<b>100.0%</b>	<b>1.61x</b>	<b>1.03x</b>	<b>69.1%</b>	<b>2.644%</b>

### Mortgage Pool Year Built / Renovated

Most Recent Year Built / Renovated	Number of Mortgaged Properties	Cut-off Date Principal Balance	% of Initial Mortgage Pool Balance	Weighted Average Underwritten NCF DSCR	Weighted Average Underwritten NCF DSCR at Cap	Weighted Average Cut-off Date LTV Ratio	Weighted Average Margin
1955 - 1974	3	\$40,050,000	4.3%	1.33x	1.00x	56.0%	2.704%
1975 - 1979	4	45,238,000	4.8	1.33x	1.02x	74.3%	2.795%
1980 - 1984	13	64,225,000	6.8	1.41x	1.01x	72.6%	2.838%
1985 - 1989	17	109,911,000	11.7	1.46x	1.01x	70.5%	2.810%
1990 - 1999	2	18,577,000	2.0	1.50x	1.02x	74.2%	2.581%
2000 - 2014	2	55,680,000	5.9	1.33x	1.02x	67.6%	2.933%
2015 - 2017	6	277,108,000	29.5	2.17x	1.08x	68.1%	2.357%
2018 - 2021	14	328,890,000	35.0	1.35x	1.02x	69.6%	2.718%
<b>Total / Wtd. Average</b>	<b>61</b>	<b>\$939,679,000</b>	<b>100.0%</b>	<b>1.61x</b>	<b>1.03x</b>	<b>69.1%</b>	<b>2.644%</b>

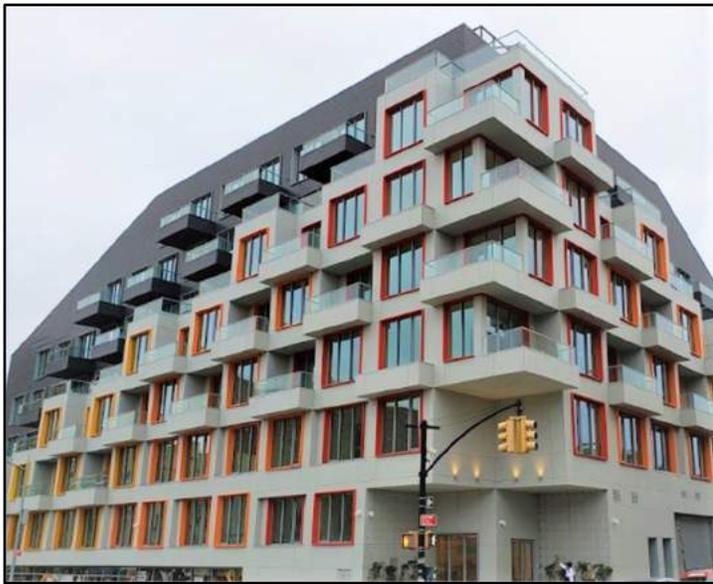
**EXHIBIT A-3**

**DESCRIPTION OF THE TEN LARGEST UNDERLYING MORTGAGE LOANS OR GROUPS OF CROSS-COLLATERALIZED  
UNDERLYING MORTGAGE LOANS**

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## Description of the Ten Largest Underlying Mortgage Loans or Groups of Cross-Collateralized Underlying Mortgage Loans

### 1. The Rheingold A-2<sup>(1)</sup>



Original Principal Balance:	\$102,205,000
Cut-off Date Principal Balance:	\$102,205,000
Maturity Date Principal Balance:	\$102,205,000
% of Initial Mortgage Pool Balance:	10.9%
Loan Purpose:	Refinance
Interest Rate:	S + 1.690%
Index Strike Price:	4.100%
Index Cap Provider:	SMBC Capital Markets, Inc.
First Payment Date:	October 1, 2019
Maturity Date:	September 1, 2029
Amortization:	Interest Only
Call Protection:	3%(11) 2%(36) 1%(69) O(4)
Cash Management:	N/A
Cut-off Date Principal Balance / Unit:	\$408,820
Maturity Date Principal Balance / Unit:	\$408,820
Cut-off Date LTV:	66.1%
Maturity Date LTV:	66.1%
Underwritten DSCR / DSCR at Cap:	3.57x / 1.20x
# of Units/<=80% AMI/<=60% AMI/<=50% AMI:	500 / 100 / 100 / N/A
Collateral:	Fee Simple
Location:	New York, NY
Property Sub-type:	Mid Rise
Year Built / Renovated:	2015 / N/A
Occupancy:	89.8% (4/28/2021)
	95.9% (T-11 Ending 3/31/2021)
	94.5% (T-8 Ending 12/31/2020)
Underwritten / Most Recent NCF:	\$14,371,273 / \$14,133,674
Average Effective Annual Rent / Unit:	\$32,747 (T-11 Ending 3/31/2021)
	\$33,481 (T-8 Ending 12/31/2020)

(1) The underlying mortgage loan (the "Non-Serviced Loan") and a related pari passu companion loan (the "Non-Serviced Companion Loan") are part of a whole loan combination evidenced by two pari passu promissory notes ("The Rheingold Note A-1" and "The Rheingold Note A-2", respectively) with an aggregate original principal balance of \$204,410,000. All loan-to-value ratios, debt service coverage ratios and principal balance per unit calculations presented for the Non-Serviced Loan are based on The Rheingold Note A-1 and The Rheingold Note A-2 in the aggregate.

**Generally.** The underlying mortgage loan is secured by a mortgaged real property operating as a multifamily rental property ("The Rheingold A-2").

**Property Management.** The Rheingold A-2 is managed by Goose Property Management, LLC, a borrower-related management company.

**Competitive Conditions.** The Rheingold A-2 is located within the Kings County submarket of the New York-Newark-Jersey City, NY-NJ-PA MSA. There are 47,038 units in the submarket as of REIS 2Q 2021.

**2. Town Southern**



Original Principal Balance:	\$82,075,000
Cut-off Date Principal Balance:	\$82,075,000
Maturity Date Principal Balance:	\$72,961,112
% of Initial Mortgage Pool Balance:	8.7%
Loan Purpose:	Acquisition
Interest Rate:	S + 2.630%
Index Strike Price:	1.870%
Index Cap Provider:	SMBC Capital Markets, Inc.
First Payment Date:	July 1, 2021
Maturity Date:	June 1, 2031
Amortization:	IO (60), then amortizing 30-year schedule
Call Protection:	L(11) 1%(105) O(4)
Cash Management:	N/A
Cut-off Date Principal Balance / Unit:	\$209,375
Maturity Date Principal Balance / Unit:	\$186,125
Cut-off Date LTV:	67.1%
Maturity Date LTV:	59.7%
Underwritten DSCR / DSCR at Cap:	1.25x / 1.03x
# of Units/<=80% AMI/<=60% AMI/<=50% AMI:	392 / N/A / N/A / N/A
Collateral:	Fee Simple
Location:	Royal Palm Beach, FL
Property Sub-type:	Garden
Year Built / Renovated:	2019 / N/A
Occupancy:	95.7% (5/10/2021)
Underwritten / Most Recent NCF:	\$5,117,707 / \$3,078,407

**3. Gramercy Apartments**



Original Principal Balance:	\$50,400,000
Cut-off Date Principal Balance:	\$50,400,000
Maturity Date Principal Balance:	\$42,545,379
% of Initial Mortgage Pool Balance:	5.4%
Loan Purpose:	Acquisition
Interest Rate:	S + 2.830%
Index Strike Price:	2.670%
Index Cap Provider:	SMBC Capital Markets, Inc.
First Payment Date:	July 1, 2021
Maturity Date:	June 1, 2031
Amortization:	IO (36), then amortizing 30-year schedule
Call Protection:	L(11) 1%(105) O(4)
Cash Management:	N/A
Cut-off Date Principal Balance / Unit:	\$115,596
Maturity Date Principal Balance / Unit:	\$97,581
Cut-off Date LTV:	75.2%
Maturity Date LTV:	63.5%
Underwritten DSCR / DSCR at Cap:	1.34x / 1.00x
# of Units/<=80% AMI/<=60% AMI/<=50% AMI:	436 / 426 / 12 / N/A
Collateral:	Fee Simple
Location:	Carmel, IN
Property Sub-type:	Garden
Year Built / Renovated:	1967 / 2016
Occupancy:	95.9% (3/26/2021)
Underwritten / Most Recent NCF:	\$3,440,327 / \$4,578,549

**4. The Salado At Red Berry**



Original Principal Balance:	\$47,813,000
Cut-off Date Principal Balance:	\$47,813,000
Maturity Date Principal Balance:	\$42,609,248
% of Initial Mortgage Pool Balance:	5.1%
Loan Purpose:	Acquisition
Interest Rate:	S + 2.760%
Index Strike Price:	2.490%
Index Cap Provider:	SMBC Capital Markets, Inc.
First Payment Date:	June 1, 2021
Maturity Date:	May 1, 2031
Amortization:	IO (60), then amortizing 30-year schedule
Call Protection:	L(11) 1%(105) O(4)
Cash Management:	N/A
Cut-off Date Principal Balance / Unit:	\$144,888
Maturity Date Principal Balance / Unit:	\$129,119
Cut-off Date LTV:	75.3%
Maturity Date LTV:	67.1%
Underwritten DSCR / DSCR at Cap:	1.31x / 1.00x
# of Units/<=80% AMI/<=60% AMI/<=50% AMI:	330 / 169 / 62 / N/A
Collateral:	Fee Simple and Leasehold
Location:	San Antonio, TX
Property Sub-type:	Garden
Year Built / Renovated:	2019 / N/A
Occupancy:	92.4% (4/12/2021)
Underwritten / Most Recent NCF:	\$3,180,630 / \$2,136,390

**5. Crossed Group 1**

*Astorwood, Apple Ridge, Ridgewood Court, Palm Place, Summit Center, Pine Barrens, Sherbrook*



Original Principal Balance:	\$43,304,000
Cut-off Date Principal Balance:	\$43,304,000
Maturity Date Principal Balance:	\$38,583,674
% of Initial Mortgage Pool Balance:	4.6%
Loan Purpose:	Acquisition
Interest Rate:	S + 2.750%
Weighted Average Index Strike Price:	2.880%
Index Cap Provider:	SMBC Capital Markets, Inc.
First Payment Date:	June 1, 2021
Maturity Date:	May 1, 2031
Amortization:	IO (60), then amortizing 30-year schedule
Call Protection:	L(11) 1%(105) O(4)
Cash Management:	N/A
Cut-off Date Principal Balance / Unit:	\$62,488
Maturity Date Principal Balance / Unit:	\$55,676
Cut-off Date LTV:	73.3%
Maturity Date LTV:	65.3%
Underwritten DSCR / DSCR at Cap:	1.38x / 1.01x
# of Units/<=80% AMI/<=60% AMI/<=50% AMI:	693 / 610 / 400 / 156
Collateral:	Fee Simple
Location:	Various
Property Sub-type:	Garden
Year Built / Renovated:	Various / N/A
Weighted Average Occupancy:	97.3% (3/24/2021)
Underwritten / Most Recent NCF:	\$3,034,303 / \$3,654,793

**6. Mariners Cove**



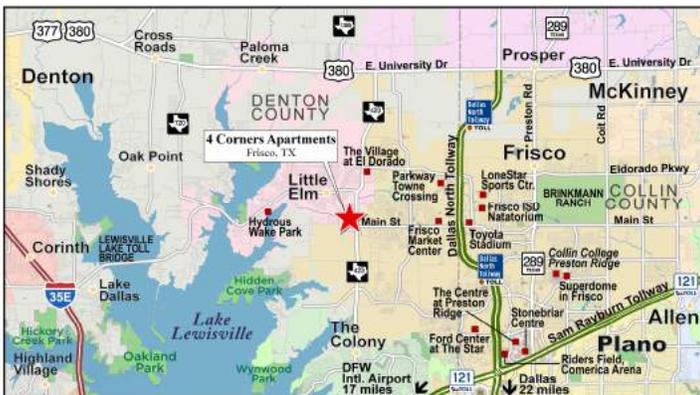
Original Principal Balance:	\$41,826,000
Cut-off Date Principal Balance:	\$41,826,000
Maturity Date Principal Balance:	\$37,427,567
% of Initial Mortgage Pool Balance:	4.5%
Loan Purpose:	Acquisition
Interest Rate:	S + 2.980%
Index Strike Price:	2.520%
Index Cap Provider:	SMBC Capital Markets, Inc.
First Payment Date:	July 1, 2021
Maturity Date:	June 1, 2031
Amortization:	IO (60), then amortizing 30-year schedule
Call Protection:	L(11) 1%(105) O(4)
Cash Management:	N/A
Cut-off Date Principal Balance / Unit:	\$185,071
Maturity Date Principal Balance / Unit:	\$165,609
Cut-off Date LTV:	68.0%
Maturity Date LTV:	60.9%
Underwritten DSCR / DSCR at Cap:	1.33x / 1.02x
# of Units/<=80% AMI/<=60% AMI/<=50% AMI:	226 / 38 / 1 / 1
Collateral:	Fee Simple
Location:	Toms River, NJ
Property Sub-type:	Garden
Year Built / Renovated:	1972 / 2013
Occupancy:	96.9% (4/13/2021)
Underwritten / Most Recent NCF:	\$2,906,464 / \$2,752,621



**7. 4 Corners Apartments**



Original Principal Balance:	\$41,697,000
Cut-off Date Principal Balance:	\$41,697,000
Maturity Date Principal Balance:	\$37,045,418
% of Initial Mortgage Pool Balance:	4.4%
Loan Purpose:	Refinance
Interest Rate:	S + 2.600%
Index Strike Price:	3.400%
Index Cap Provider:	SMBC Capital Markets, Inc.
First Payment Date:	July 1, 2021
Maturity Date:	June 1, 2031
Amortization:	IO (60), then amortizing 30-year schedule
Call Protection:	L(11) 1%(105) O(4)
Cash Management:	N/A
Cut-off Date Principal Balance / Unit:	\$106,915
Maturity Date Principal Balance / Unit:	\$94,988
Cut-off Date LTV:	57.8%
Maturity Date LTV:	51.4%
Underwritten DSCR / DSCR at Cap:	1.47x / 1.01x
# of Units/<=80% AMI/<=60% AMI/<=50% AMI:	390 / 160 / N/A / N/A
Collateral:	Fee Simple
Location:	Frisco, TX
Property Sub-type:	Garden
Year Built / Renovated:	2015 / N/A
Occupancy:	94.1% (4/7/2021)
Underwritten / Most Recent NCF:	\$3,040,864 / \$2,114,042



**8. Vista Del Rey Apartments**



Original Principal Balance:	\$34,650,000
Cut-off Date Principal Balance:	\$34,650,000
Maturity Date Principal Balance:	\$30,902,202
% of Initial Mortgage Pool Balance:	3.7%
Loan Purpose:	Acquisition
Interest Rate:	S + 2.800%
Index Strike Price:	2.200%
Index Cap Provider:	SMBC Capital Markets, Inc.
First Payment Date:	June 1, 2021
Maturity Date:	May 1, 2031
Amortization:	IO (60), then amortizing 30-year schedule
Call Protection:	L(11) 1%(105) O(4)
Cash Management:	N/A
Cut-off Date Principal Balance / Unit:	\$76,490
Maturity Date Principal Balance / Unit:	\$68,217
Cut-off Date LTV:	75.0%
Maturity Date LTV:	66.9%
Underwritten DSCR / DSCR at Cap:	1.29x / 1.02x
# of Units/<=80% AMI/<=60% AMI/<=50% AMI:	453 / 449 / 159 / 1
Collateral:	Fee Simple
Location:	San Antonio, TX
Property Sub-type:	Garden
Year Built / Renovated:	1979 / N/A
Occupancy:	90.9% (5/31/2021)
Underwritten / Most Recent NCF:	\$2,273,835 / \$2,273,350

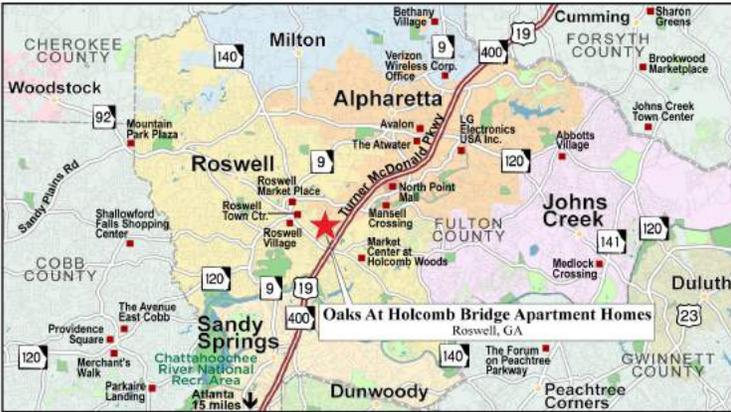
**9. Crossed Group 2**

*Thymewood, Rivers End, Meadowood, Bridgepoint, Stonehenge, Northwood*



Original Principal Balance:	\$34,608,000
Cut-off Date Principal Balance:	\$34,608,000
Maturity Date Principal Balance:	\$30,835,576
% of Initial Mortgage Pool Balance:	3.7%
Loan Purpose:	Acquisition
Interest Rate:	S + 2.750%
Weighted Average Index Strike Price:	2.866%
Index Cap Provider:	SMBC Capital Markets, Inc.
First Payment Date:	June 1, 2021
Maturity Date:	May 1, 2031
Amortization:	IO (60), then amortizing 30-year schedule
Call Protection:	L(11) 1%(105) O(4)
Cash Management:	N/A
Cut-off Date Principal Balance / Unit:	\$60,398
Maturity Date Principal Balance / Unit:	\$53,814
Cut-off Date LTV:	74.2%
Maturity Date LTV:	66.1%
Underwritten DSCR / DSCR at Cap:	1.38x / 1.02x
# of Units/<=80% AMI/<=60% AMI/<=50% AMI:	573 / 423 / 363 / 194
Collateral:	Fee Simple
Location:	Various
Property Sub-type:	Garden
Year Built / Renovated:	Various / Various
Weighted Average Occupancy:	97.0% (3/24/2021)
Underwritten / Most Recent NCF:	\$2,424,696 / \$2,911,658

### 10. Oaks At Holcomb Bridge Apartment Homes



Original Principal Balance:	\$32,725,000
Cut-off Date Principal Balance:	\$32,725,000
Maturity Date Principal Balance:	\$29,079,910
% of Initial Mortgage Pool Balance:	3.5%
Loan Purpose:	Acquisition
Interest Rate:	S + 2.610%
Index Strike Price:	2.390%
Index Cap Provider:	SMBC Capital Markets, Inc.
First Payment Date:	July 1, 2021
Maturity Date:	June 1, 2031
Amortization:	IO (60), then amortizing 30-year schedule
Call Protection:	L(11) 1%(105) O(4)
Cash Management:	N/A
Cut-off Date Principal Balance / Unit:	\$107,648
Maturity Date Principal Balance / Unit:	\$95,658
Cut-off Date LTV:	69.3%
Maturity Date LTV:	61.6%
Underwritten DSCR / DSCR at Cap:	1.31x / 1.01x
# of Units/<=80% AMI/<=60% AMI/<=50% AMI:	304 / 304 / 102 / N/A
Collateral:	Fee Simple
Location:	Roswell, GA
Property Sub-type:	Garden
Year Built / Renovated:	1979 / 2020
Occupancy:	99.0% (3/16/2021)
Underwritten / Most Recent NCF:	\$2,126,032 / \$2,116,518

**EXHIBIT B**

**FORM OF CERTIFICATE ADMINISTRATOR'S STATEMENT TO CERTIFICATEHOLDERS**

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Distribution Date:  
Determination Date:

**FREMF 2021-KF117 Mortgage Trust  
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<b>CONTACT INFORMATION</b>		<b>CONTENTS</b>	
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Master Servicer	Wells Fargo National Association	Distribution Summary (Factors)	3
Special Servicer	KeyBank National Association	Interest Distribution Detail	4
Certificate Administrator	Citibank, N.A.	Principal Distribution Detail	5
Trustee	Citibank, N.A.	Reconciliation Detail	6
Custodian	Citibank, N.A.	Other Information	7
Mortgage Loan Seller	Federal Home Loan Mortgage Corporation	Mortgage Loan Detail	8
Guarantor	Federal Home Loan Mortgage Corporation	NOI Detail	9
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**Deal Contact:**









Distribution Date:  
 Determination Date:

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*Reconciliation Detail*

SOURCE OF FUNDS		ALLOCATION OF FUNDS	
Interest Funds Available		Scheduled Fees	
Scheduled Interest		Master Servicing Fee	
Prepayment Interest Excess		Sub-Servicing Fee	
Prepayment Interest Shortfall		Master Servicer Surveillance Fee	
Interest Adjustments		Special Servicer Surveillance Fee	
Additional Interest	_____	Guarantee Fee	
Total Interest Funds Available:		Trustee Fee	
Principal Funds Available		CREFC® Fee	
Scheduled Principal		Certificate Administrator Fee	_____
Curtailments		Total Scheduled Fees:	
Principal Prepayments		Additional Fees, Expenses, etc.	
Net Liquidation Proceeds		Special Servicing Fee	
Repurchased Principal		Workout Fee	
Nonrecoverable Principal Advances		Liquidation Fee	
Substitution Principal	_____	Trust Fund Expenses	
Other Principal		Additional Servicing Compensation	
Total Principal Funds Available:		Reimbursement for Interest on Advances	
Other Funds Available		Guarantor reimbursement	_____
Static Prepayment Premiums / Yield Maintenance Charge		Total Additional Fees, Expenses, etc.:	
Initial Interest Reserve Deposit Amount		Distributions	
Withdrawal of Withheld Amounts from the Interest Reserve Account		Interest Distribution	
Deposit of Withheld Amounts to the Interest Reserve Account		Principal Distribution	
Guarantor payments		Yield Maintenance Charge / Static Prepayment Premiums Distribution	_____
Other Charges		Total Distributions:	_____
Total Other Funds Available:	_____	Total Funds Allocated	=====
Total Funds Available	=====		=====

Distribution Date:  
Determination Date:

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*Other Information*

SOFR Rate
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Distribution Date:  
Determination Date:

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*Delinquency Loan Detail*

Loan Number	OMCR	# of Months Delinq	Actual Principal Balance	Paid Through Date	Current P&I Advances (Net of ASER)	Total P&I Advances Outstanding	Cumulative Accrued Unpaid Interest Advances	Other Expense Advances Outstanding	Payment Status (2)	Workout Strategy (3)	Most Recent Special Serv Transfer Date	Foreclosure Date	Bankruptcy Date	REO Date
<b><i>There is no delinquency loan activity for the current distribution period.</i></b>														
Totals	Count:													

Distribution Date:  
Determination Date:

**FREMF 2021-KF117 Mortgage Trust  
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*Historical Delinquency Information*

Distribution Date	Less Than 1 Month		1 Month		2 Months		3 Months		4+ Months		Bankruptcy		Foreclosure		REO	
	End Sched Bal	#	End Sched Bal	#	End Sched Bal	#	End Sched Bal	#	End Sched Bal	#	End Sched Bal	#	End Sched Bal	#	End Sched Bal	#

Distribution Date:  
Determination Date:

**FREMF 2021-KF117 Mortgage Trust  
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*Appraisal Reduction Detail*

Loan Number	OMCR	Property Name	Appraisal Reduction Amount	Appraisal Reduction Date	Most Recent ASER Amount	Cumulative ASER Amount
<b><i>There is no appraisal reduction activity for the current distribution period.</i></b>						
Totals						

Distribution Date:  
Determination Date:

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*Historical Appraisal Reduction Detail*

Distribution Date	Loan Number	OMCR	Property Name	Appraisal Reduction Amount	Appraisal Reduction Date	Most Recent ASER Amount	Cumulative ASER Amount
<i>There is no historical appraisal reduction activity.</i>							

Distribution Date:  
Determination Date:

**FREMF 2021-KF117 Mortgage Trust  
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*Loan Modification Detail*

Loan Number	OMCR	Property Name	Modification Date	Modification Type (4)	Modification Description
<i>There is no loan modification activity for the current distribution period.</i>					
Totals					

Distribution Date:  
Determination Date:

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*Historical Loan Modification Detail*

Distribution Date	Loan Number	OMCR	Property Name	Modification Date	Modification Type (4)	Modification Description
<i>There is no historical loan modification activity.</i>						

Distribution Date:  
Determination Date:

**FREMF 2021-KF117 Mortgage Trust  
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*Specially Serviced Loan Detail*

Loan Number	OMCR	Workout Strategy (3)	Most Recent Inspection Date	Most Recent Specially Serviced Transfer Date	Most Recent Valuation Date	Most Recent Value	Other REO Property Value	Comment from Special Servicer
<b><i>There is no specially serviced loan activity for the current distribution period.</i></b>								
Totals								

Distribution Date:  
Determination Date:

**FREMF 2021-KF117 Mortgage Trust  
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*Historical Specially Serviced Loan Detail*

Distribution Date	Loan Number	OMCR	Special Serviced Trans Date	Workout Strategy (3)	Special Serviced Loan to MS	Scheduled Balance	Actual Balance	Property Type (1)	State	Interest Rate	Note Date	Net Operating Income (NOI)	DSCR	Maturity Date	WART
<i>There is no historical specially serviced loan activity.</i>															

Distribution Date:  
Determination Date:

**FREMF 2021-KF117 Mortgage Trust  
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*Unscheduled Principal Detail*

Loan Number	OMCR	Liquidation / Prepayment Date	Liquid / Prepay Type (5)	Unscheduled Principal Collections	Unscheduled Principal Adjustments	Other Interest Adjustments	Prepayment Interest Excess / (Shortfall)	Prepayment Penalties	Yield Maintenance Penalties
<b><i>There is no unscheduled principal activity for the current distribution period.</i></b>									
Totals									

Distribution Date:  
Determination Date:

**FREMF 2021-KF117 Mortgage Trust  
Multifamily Mortgage Pass-Through  
Certificates Series 2021-KF117**



***Historical Unscheduled Principal Detail***

Distribution Date	Loan Number	OMCR	Liquidation / Prepayment Date	Liquid / Prepay Type (5)	Unscheduled Principal Collections	Unscheduled Principal Adjustments	Other Interest Adjustments	Prepayment Interest Excess / (Shortfall)	Prepayment Penalties	Yield Maintenance Penalties
<b><i>There is no historical unscheduled principal activity.</i></b>										

Distribution Date:  
Determination Date:

**FREMF 2021-KF117 Mortgage Trust  
Multifamily Mortgage Pass-Through  
Certificates Series 2021-KF117**



*Liquidated Loan Detail*

Loan Number	OMCR	Final Recovery Determ Date	Most Recent Appraisal Date	Most Recent Appraisal Value	Actual Balance	Gross Proceeds	Proceeds as % of Act Bal	Liquidation Expenses	Net Liquidation Proceeds	Net Proceeds as a % of Act Bal	Realized Losses	Repurchased by Seller (Y/N)
<b><i>There is no liquidated loan activity for the current distribution period.</i></b>												
Totals												

Distribution Date:  
Determination Date:

**FREMF 2021-KF117 Mortgage Trust  
Multifamily Mortgage Pass-Through  
Certificates Series 2021-KF117**



*Historical Liquidated Loan Detail*

Distribution Date	Loan Number	OMCR	Final Recovery Determ Date	Most Recent Appraisal Date	Most Recent Appraisal Value	Actual Balance	Gross Proceeds	Gross Proceeds as % of Act Bal	Liquidation Expenses	Net Liquidation Proceeds	Net Proceeds as a % of Act Bal	Realized Loss	Repurchased by Seller (Y/N)
<i>There is no historical liquidated loan activity.</i>													

**FREMF 2021-KF117 Mortgage Trust  
Multifamily Mortgage Pass-Through  
Certificates Series 2021-KF117**



**CREFC® Legends**

**(1) Property Type**

---

MF = Multifamily  
RT = Retail  
HC = HealthCare  
IN = Industrial  
WH = Warehouse  
MH = Mobile Home Park  
OF = Office  
MU = Mixed Use  
LO = Lodging  
SS = Self Storage  
OT = Other  
SE = Securities  
CH = Cooperative Housing  
N/A = Not Available

**(2) Payment Status**

---

A. In Grace Period  
B. Late, but less than 30 Days  
0. Current  
1. 30-59 Days Delinquent  
2. 60-89 Days Delinquent  
3. 90-120 Days Delinquent  
4. Performing Matured Balloon  
5. Non Performing Matured Balloon  
6. 121+ Days Delinquent

**(3) Workout Strategy**

---

1. Modification  
2. Foreclosure  
3. Bankruptcy  
4. Extension  
5. Note Sale  
6. DPO  
7. REO  
8. Resolved  
9. Pending Return to Master Servicer  
10. Deed In Lieu of Foreclosure  
11. Full Payoff  
12. Reps and Warranties  
13. Other or TBD  
98. Not Provided By Servicer

**(4) Modification Type**

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1. Maturity Date Extension  
2. Amortization Change  
3. Principal Write-Off  
4. Blank (formerly Combination)  
5. Temporary Rate Reduction  
6. Capitalization of Interest  
7. Capitalization of Taxes  
8. Other  
9. Combination

**(5) Liquidation / Prepayment Type**

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1. Partial Liquidation (Curtailment)  
2. Payoff Prior To Maturity  
3. Disposition / Liquidation  
4. Repurchase / Substitution  
5. Full Payoff At Maturity  
6. DPO  
7. Liquidation prior to 7/1/2006  
8. Payoff With Penalty  
9. Payoff With Yield Maintenance  
10. Curtailment With Penalty  
11. Curtailment With Yield Maintenance

## EXHIBIT C-1

### MORTGAGE LOAN SELLER'S REPRESENTATIONS AND WARRANTIES

As of the Closing Date, the mortgage loan seller will make, with respect to each underlying mortgage loan sold by it that we include in the issuing entity, representations and warranties that are expected to be generally in the form set forth below. The exceptions to those representations and warranties are expected to be generally in the form set forth on Exhibit C-2.

The mortgage loan purchase agreement, together with the representations and warranties, serves to contractually allocate risk between the mortgage loan seller, on the one hand, and the issuing entity, on the other. We present the representations and warranties set forth below for the sole purpose of describing some of the expected terms and conditions of that risk allocation. The presentation of representations and warranties below is not intended as statements regarding the actual characteristics of the underlying mortgage loans, the mortgaged real properties or other matters. We cannot assure you that the underlying mortgage loans actually conform to the statements made in the representations and warranties that we present below.

*Capitalized terms used below but not otherwise defined in this Exhibit C-1 will have the meanings set forth in the mortgage loan purchase agreement.*

For purposes of these representations and warranties, the phrase “to the knowledge of the Mortgage Loan Seller” or “to the Mortgage Loan Seller’s knowledge” will mean, except where otherwise expressly set forth below, the actual state of knowledge of the Mortgage Loan Seller or any servicer acting on its behalf regarding the matters referred to, (a) after the Mortgage Loan Seller’s having conducted such inquiry and due diligence into such matters as would be customarily required by the Mortgage Loan Seller’s underwriting standards represented in the Multifamily Seller/Servicer Guide (the “Guide”) and the Mortgage Loan Seller’s credit policies and procedures, at the time of the Mortgage Loan Seller’s acquisition of the particular Loan; and (b) subsequent to such acquisition, utilizing the monitoring practices customarily utilized by the Mortgage Loan Seller and its servicer pursuant to the Guide. All information contained in documents which are part of or required to be part of a Mortgage File will be deemed to be within the knowledge of the Mortgage Loan Seller. Wherever there is a reference to receipt by, or possession of, the Mortgage Loan Seller of any information or documents, or to any action taken by the Mortgage Loan Seller or not taken by the Mortgage Loan Seller, such reference will include the receipt or possession of such information or documents by, or the taking of such action or the not taking of such action by, either the Mortgage Loan Seller or any servicer acting on its behalf.

The Mortgage Loan Seller represents and warrants, subject to the exceptions set forth on Exhibit C-2, with respect to each Loan, that as of the date specified below or, if no date is specified, as of the Closing Date, the following representations and warranties are true and correct in all material respects:

(1) Fixed Rate.

Each Loan bears interest at a floating rate based on SOFR, resets on a monthly basis, and accrues interest on an Actual/360 Basis.

(2) Cross-Collateralized and/or Cross-Defaulted Loans.

Except with respect to any subordinate mortgage identified in paragraph 3, no Loan is cross-collateralized or cross-defaulted with any other mortgage loan not being transferred to the Depositor.

(3) Subordinate Loans.

As of the Origination Date, there were no subordinate mortgages securing subordinate loans encumbering the related Mortgaged Property, and, as of the Closing Date, the Mortgage Loan Seller has not purchased or entered into any commitment to purchase any subordinate loans secured by subordinate mortgages encumbering the related Mortgaged Property (other than, if applicable, other Loans being transferred to the

Depositor). The Mortgage Loan Seller has no knowledge of any mezzanine debt related to such Mortgaged Property.

(4) Single Purpose Entity.

(a) The Loan Documents executed in connection with each Loan (together with any related Companion Loan) with an original principal balance of more than \$5,000,000 require the Borrower to be a Single Purpose Entity (defined below) for at least as long as the Loan or any related Companion Loan is outstanding, except in cases where the related Mortgaged Property is a residential cooperative property.

(b) To the Mortgage Loan Seller's knowledge, each such Borrower is a Single Purpose Entity.

For this purpose, a "Single Purpose Entity" means an entity (not an individual) which meets all of the following requirements:

(i) An entity whose organizational documents provide and which entity represented in the related Loan Documents, substantially to the effect that each of the following is true with respect to each Borrower:

(A) it was formed or organized solely for the purpose of owning and operating one or more of the Mortgaged Properties securing the Loans, and

(B) it is prohibited from engaging in any business unrelated to such Mortgaged Property or Properties.

(ii) An entity whose organizational documents provide or which entity represented in the related Loan Documents, substantially to the effect that all the following are true with respect to each Borrower:

(A) it does not have any assets other than those related to its interest in and operation of such Mortgaged Property or Properties,

(B) it does not have any indebtedness other than as permitted by the related Mortgage(s) or the other related Loan Documents,

(C) it has its own books and records and accounts separate and apart from any other Person (other than a Borrower for a Loan that is cross-collateralized and cross-defaulted with the related Loan or any related Companion Loan); provided, however, that the Loan Documents may permit the use of a centralized bank account that separately accounts for items of income and expense applicable to Borrower and the Mortgaged Property and is maintained such that all payments, disbursements and remittances related to the Mortgaged Property are applied solely to the Mortgaged Property and can be easily tracked and ascertained, and

(D) it holds itself out as a legal entity, separate and apart from any other Person.

(c) Each Loan (together with any related Companion Loan) with an original principal balance of \$40,000,000 or more has a counsel's opinion regarding non-consolidation of the Borrower in any insolvency proceeding involving any other party.

(d) To the Mortgage Loan Seller's actual knowledge, each Borrower has fully complied with the requirements of the related Loan Documents and the Borrower's organizational documents regarding Single Purpose Entity status.

(e) The Loan Documents executed in connection with each Loan (together with any related Companion Loan) with an original principal balance of \$5,000,000 or less prohibit the related Borrower from doing either of the following:

(i) having any assets other than those related to its interest in the related Mortgaged Property or its financing, or

(ii) engaging in any business unrelated to such property and the related Loan.

(5) Licenses, Permits and Authorization.

- (a) As of the Origination Date, to Mortgage Loan Seller's knowledge, based on the related Borrower's representations and warranties in the related Loan Documents, the Borrower, commercial lessee and/or operator of the Mortgaged Property was in possession of all material licenses, permits, and authorizations required for use of the related Mortgaged Property as it was then operated.
- (b) Each Borrower covenants in the related Loan Documents that it will remain in material compliance with all material licenses, permits and other legal requirements necessary and required to conduct its business.

(6) Condition of Mortgaged Property.

To the Mortgage Loan Seller's knowledge, based solely upon due diligence customarily performed in connection with the origination of comparable loans, one of the following is applicable:

- (a) each related Mortgaged Property is free of any material damage that would materially and adversely affect the use or value of such Mortgaged Property as security for the Loan (other than normal wear and tear), or
- (b) to the extent a prudent lender would so require, the Mortgage Loan Seller has required a reserve, letter of credit, guaranty, insurance coverage or other mitigant with respect to the condition of the Mortgaged Property.

(7) Access, Public Utilities and Separate Tax Parcels.

All of the following are true and correct with regard to each Mortgaged Property:

- (a) each Mortgaged Property is located on or adjacent to a dedicated road, or has access to an irrevocable easement permitting ingress and egress,
- (b) each Mortgaged Property is served by public utilities and services generally available in the surrounding community or otherwise appropriate for the use in which the Mortgaged Property is currently being utilized, and
- (c) each Mortgaged Property constitutes one or more separate tax parcels. In certain cases, if such Mortgaged Property is not currently a separate tax parcel, an application has been made to the applicable governing authority for creation of separate tax parcels, in which case the Loan Documents require the Borrower to escrow an amount sufficient to pay taxes for the existing tax parcel of which the Mortgaged Property is a part until the separate tax parcels are created.
- (d) Any requirement described in clauses (a), (b) or (c) will be satisfied if such matter is covered by an endorsement or affirmative insurance under the related Title Policy (defined in paragraph 11).

(8) Taxes and Assessments.

One of the following is applicable:

- (a) there are no delinquent or unpaid taxes, assessments (including assessments payable in future installments) or other outstanding governmental charges affecting any Mortgaged Property that are or may become a lien of priority equal to or higher than the lien of the related Mortgage, or
- (b) an escrow of funds has been established in an amount (including all ongoing escrow payments to be made prior to the date on which taxes and assessments become delinquent) sufficient to cover the payment of such unpaid taxes and assessments.

For purposes of this representation and warranty, real property taxes and assessments will not be considered unpaid until the date on which interest or penalties would be first payable.

(9) Ground Leases.

No Loan is secured in whole or in part by the related Borrower's interest as lessee under a ground lease of the related Mortgaged Property without also being secured by the related fee interest in such Mortgaged Property.

(10) Valid First Lien.

- (a) Each related Mortgage creates a valid and enforceable first priority lien on the related Mortgaged Property, subject to Permitted Encumbrances (defined below) and except as enforcement may be limited by bankruptcy, insolvency, reorganization, moratorium or other laws affecting the enforcement of creditors' rights or by general principles of equity (regardless of whether such enforceability is considered in a proceeding in equity or at law).
- (b) If the related Loan is cross-collateralized with any other Loan(s), the related Mortgage encumbering the related Mortgaged Property also secures such other Loan(s).
- (c) The related Mortgaged Property is free and clear of any mechanics' and materialmen's liens which are prior to or equal with the lien of the related Mortgage, except those which are bonded over, escrowed for or insured against by a Title Policy.
- (d) A UCC financing statement has been filed and/or recorded (or sent for filing or recording) (or, in the case of fixtures, the Mortgage constitutes a fixture filing) in all places (if any) necessary at the time of origination of the Loan to perfect a valid security interest in the personal property owned by Borrower and reasonably necessary to operate the related Mortgaged Property in its current use other than for any of the following:
  - (i) non-material personal property,
  - (ii) personal property subject to purchase money security interests, and
  - (iii) personal property that is leased equipment, to the extent a security interest may be created by filing or recording.

Notwithstanding the foregoing, no representation is made as to the perfection of any security interest in rents or other personal property to the extent that possession or control of such items or actions other than the filing of UCC financing statements are required in order to effect such perfection.

- (e) Any security agreement or equivalent document related to and delivered in connection with the Loan establishes and creates a valid and enforceable lien on the property described therein (other than (i) healthcare licenses, (ii) Medicare, Medicaid or similar federal, state or local third party payor programs, including housing assistance payments contracts, or (iii) any federal, state or local permits or approvals for the operation of a wastewater treatment plant, sewer system or sewage treatment plant, private water or utility system or similar facility, to the extent any of the foregoing are not assignable without governmental approval), subject to Permitted Encumbrances and except as enforcement may be limited by bankruptcy, insolvency, reorganization, moratorium or other laws affecting the enforcement of creditors' rights or by general principles of equity (regardless of whether such enforceability is considered in a proceeding in equity or at law).

(11) Title Insurance.

- (a) Each Mortgaged Property is covered by an ALTA lender's title insurance policy (or its equivalent as set forth in the applicable jurisdiction), a pro forma policy or a marked-up title insurance commitment (on which the required premium has been paid) that evidences such title insurance policy (collectively, a "Title Policy"), in the original principal amount of the related Loan and any related Companion Loan (or the allocated loan amount of the portions of the Mortgaged Property that are covered by such Title Policy).

- (b) Each Title Policy insures that the related Mortgage is a valid first priority lien on the related Mortgaged Property, subject only to Permitted Encumbrances.
- (c) Each Title Policy (or, if it has yet to be issued, the coverage to be provided by such Title Policy) is in full force and effect and all premiums have been paid.
- (d) Each Title Policy contains no exclusion for or affirmatively insures (except for any Mortgaged Property located in a jurisdiction where such affirmative insurance is not available) each of the following:
  - (i) there is access to a public road,
  - (ii) the area shown on the survey is the same as the property legally described in the Mortgage,
  - (iii) unless the property is located in one of the Super Lien States (defined below), the lien of the Mortgage is superior to a lien created by any applicable statute relating to environmental remediation, and
  - (iv) to the extent that the Mortgaged Property consists of two or more adjoining parcels, such parcels are contiguous.
- (e) No material claims have been made or paid under the Title Policy.
- (f) The Mortgage Loan Seller has not done, by act or omission, anything that would materially impair or diminish the coverage under the Title Policy, and has no knowledge of any such action or omission.
- (g) Immediately following the transfer and assignment of the related Loan to the Trustee, the Title Policy (or, if it has yet to be issued, the coverage to be provided by such Title Policy) will inure to the benefit of the Trustee without the consent of or notice to the insurer of the Title Policy.
- (h) The applicable Mortgage Loan Originator, the Mortgage Loan Seller and its successors and assigns are the sole named insureds under the Title Policy.
- (i) To the Mortgage Loan Seller's knowledge, the insurer of the Title Policy is qualified to do business in the jurisdiction in which the related Mortgaged Property is located.

"Permitted Encumbrances" means:

- (i) the lien of current real property taxes, ground rents, water charges, sewer rents and assessments not yet delinquent,
- (ii) covenants, conditions and restrictions, rights of way, easements and other matters of public record specifically identified in the Title Policy, none of which, individually or in the aggregate, materially interferes with any of the following:
  - (A) the current use of the Mortgaged Property,
  - (B) the security in the collateral intended to be provided by the lien of such Mortgage,
  - (C) the related Borrower's ability to pay its obligations when they become due, or
  - (D) the value of the Mortgaged Property,
- (iii) exceptions (general and specific) and exclusions set forth in such Title Policy, none of which, individually or in the aggregate, materially interferes with any of the following:
  - (A) the current use of the Mortgaged Property,

- (B) the security in the collateral intended to be provided by the lien of such Mortgage,
- (C) the related Borrower's ability to pay its obligations when they become due, or
- (D) the value of the Mortgaged Property,
- (iv) the rights of tenants, as tenants only, under leases, including subleases, pertaining to the related Mortgaged Property,
- (v) other matters to which similar properties are commonly subject, none of which, individually or in the aggregate, materially interferes with any of the following:
  - (A) the current use of the Mortgaged Property,
  - (B) the security in the collateral intended to be provided by the lien of such Mortgage,
  - (C) the related Borrower's ability to pay its obligations when they become due, or
  - (D) the value of the Mortgaged Property, and
- (vi) if the related Loan is cross-collateralized with any other Loan(s), the lien of any such cross-collateralized Loan(s).

“Super Lien States” means Alaska, Arizona, Arkansas, Connecticut, Delaware, District of Columbia, Hawaii, Illinois, Louisiana, Maine, Massachusetts, Michigan, Minnesota, Missouri, Montana, New Hampshire, New Jersey, New Mexico, New York, North Dakota, Ohio, Oklahoma, Pennsylvania, Texas, Washington and/or Wisconsin.

(12) Encroachments.

- (a) To the Mortgage Loan Seller's knowledge (based upon surveys and/or the Title Policy obtained in connection with the origination of the Loans), as of the related Origination Date of each Loan, all of the material improvements on the related Mortgaged Property that were considered in determining the appraised value of the Mortgaged Property lay wholly within the boundaries and building restriction lines of such property and there are no encroachments of any part of any building over any easement, except for one or more of the following:
  - (i) encroachments onto adjoining parcels that are insured against by the related Title Policy,
  - (ii) encroachments that do not materially and adversely affect the operation, use or value of such Mortgaged Property or the security intended to be provided by the Mortgage,
  - (iii) violations of the building restriction lines that are covered by ordinance and law coverage in amounts customarily required by prudent multifamily mortgage lenders for similar properties,
  - (iv) violations of the building restriction lines that are insured against by the related Title Policy, or
  - (v) violations of the building restriction lines that do not materially and adversely affect the operation, use or value of such Mortgaged Property or the security intended to be provided by the Mortgage.
- (b) To the Mortgage Loan Seller's knowledge (based on surveys and/or the Title Policy obtained in connection with the origination of the Loans), as of the related Origination Date of each Loan, no improvements on adjoining properties materially encroached upon such Mortgaged Property so as to materially and adversely affect the operation, use or value of such Mortgaged Property or the security intended to be provided by the Mortgage, except those encroachments that are insured against by the related Title Policy.

(13) Zoning.

Based upon the “Zoning Due Diligence” (defined below) one of the following is applicable to each Mortgaged Property:

- (a) the improvements located on or forming part of each Mortgaged Property materially comply with applicable zoning laws and ordinances, or
- (b) the improvements located on or forming part of each Mortgaged Property constitute a legal non-conforming use or structure and one of the following is true:
  - (i) the non-compliance does not materially and adversely affect the value of the related Mortgaged Property, or
  - (ii) ordinance and law coverage was provided in amounts customarily required by prudent multifamily mortgage lenders for similar properties.

The foregoing may be based upon one or more of the following (“Zoning Due Diligence”):

- (A) a statement of full restoration by a zoning authority,
- (B) copies of legislation or variance permitting full restoration of the Mortgaged Property,
- (C) a damage restoration statement along with an evaluation of the Mortgaged Property,
- (D) a zoning report prepared by a company acceptable to the Mortgage Loan Seller,
- (E) an opinion of counsel, and/or
- (F) other due diligence considered reasonable by prudent multifamily mortgage lenders in the lending area where the subject Mortgaged Property is located (such reasonable due diligence includes, but is not limited to, ordinance and law coverage as specified in clause (b)(ii) above).

(14) Environmental Conditions.

- (a) As of the Origination Date, each Borrower represented and warranted in all material respects that to its knowledge, such Borrower has not used, caused or permitted to exist (and will not use, cause or permit to exist) on the related Mortgaged Property any Hazardous Materials in any manner which violates federal, state or local laws, ordinances, regulations, orders, directives or policies governing the use, storage, treatment, transportation, manufacture, refinement, handling, production or disposal of Hazardous Materials or other environmental laws, subject to each of the following:
  - (i) exceptions set forth in certain Environmental Reports,
  - (ii) Hazardous Materials that are commonly used in the operation and maintenance of properties of similar kind and nature to the Mortgaged Property,
  - (iii) Hazardous Materials that are commonly used in accordance with prudent management practices and applicable law, and
  - (iv) Hazardous Materials that are commonly used in a manner that does not result in any contamination of the Mortgaged Property that is not permitted by law.
- (b) Each Mortgage requires the related Borrower to comply, and to cause the related Mortgaged Property to be in compliance, with all Hazardous Materials Laws applicable to the Mortgaged Property.

- (c) Each Borrower (or an Affiliate thereof) has agreed to indemnify, defend and hold the lender and its successors and assigns harmless from and against losses, liabilities, damages, injuries, penalties, fines, expenses, and claims of any kind whatsoever (including attorneys' fees and costs) paid, incurred or suffered by, or asserted against, any such party resulting from a breach of the foregoing representations or warranties given by the Borrower in connection with such Loan.
- (d) A Phase I Environmental Report, and, in the case of certain Loans, a Phase II Environmental Report (in either case meeting ASTM International standards), was conducted by a reputable environmental consulting firm, or in certain cases a Physical Risk Report was conducted in accordance with the requirements of the Guide, in each case with respect to the related Mortgaged Property within 12 months of the Closing Date.
- (e) If any material non-compliance or material existence of Hazardous Materials was indicated in any Environmental Report, then at least one of the following statements is true:
  - (i) funds reasonably estimated to be sufficient to cover the cost to cure any material non-compliance with applicable environmental laws or material existence of Hazardous Materials have been escrowed, or a letter of credit in such amount has been provided, by the related Borrower and held by the Mortgage Loan Seller or its servicer,
  - (ii) if the Environmental Report recommended an operations and maintenance plan, but not any material expenditure of funds, the related Borrower has been required to maintain an operations and maintenance plan,
  - (iii) the environmental condition identified in the related Environmental Report was remediated or abated in all material respects,
  - (iv) a no further action or closure letter was obtained from the applicable governmental regulatory authority (or the environmental issue affecting the related Mortgaged Property was otherwise listed by such governmental authority as "closed"),
  - (v) such conditions or circumstances identified in the related Environmental Report, were investigated further and, based upon such additional investigation, an environmental consultant recommended no further investigation or remediation,
  - (vi) a party with financial resources reasonably estimated to be adequate to cure the condition or circumstance provided a guaranty or indemnity to the related Borrower or lender to cover the costs of any required investigation, testing, monitoring or remediation, or
  - (vii) the reasonably estimated costs of such remediation do not exceed 2% of the outstanding principal balance of the related Loan and any related Companion Loan.
- (f) To the best of the Mortgage Loan Seller's knowledge, in reliance on such Environmental Reports and except as set forth in such Environmental Reports, each Mortgaged Property is in material compliance with all Hazardous Materials Laws, and to the best of the Mortgage Loan Seller's knowledge, no notice of violation of such laws has been issued by any governmental agency or authority, except, in all cases, as indicated in such Environmental Reports or other documents previously provided to the Depositor.
- (g) The Mortgage Loan Seller has not taken any action which would cause the Mortgaged Property not to be in compliance with all Hazardous Materials Laws.
- (h) All such Environmental Reports or any other environmental assessments of which the Mortgage Loan Seller has possession have been disclosed to the Depositor.
- (i) With respect to the Mortgaged Properties securing the Loans that were not the subject of an Environmental Report within 12 months prior to the Cut-off Date:
  - (i) no Hazardous Material is present on such Mortgaged Property such that (A) the value of such Mortgaged Property is materially and adversely affected or (B) under applicable federal, state or local law,

- (1) such Hazardous Material could be required to be eliminated at a cost materially and adversely affecting the value of the Mortgaged Property before such Mortgaged Property could be altered, renovated, demolished or transferred, or
- (2) the presence of such Hazardous Material could (upon action by the appropriate governmental authorities) subject the owner of such Mortgaged Property, or the holders of a security interest therein, to liability for the cost of eliminating such Hazardous Material or the hazard created thereby at a cost materially and adversely affecting the value of the Mortgaged Property, and
- (ii) such Mortgaged Property is in material compliance with all applicable federal, state and local laws pertaining to Hazardous Materials or environmental hazards, any noncompliance with such laws does not have a material adverse effect on the value of such Mortgaged Property, and neither Mortgage Loan Seller nor, to Mortgage Loan Seller's knowledge, the related Borrower or any current tenant thereon, has received any notice of violation or potential violation of any such law.

"Hazardous Materials" means

- (i) petroleum and petroleum products and compounds containing them, including gasoline, diesel fuel and oil; explosives; flammable materials; radioactive materials; polychlorinated biphenyls ("PCBs") and compounds containing them,
- (ii) lead and lead-based paint,
- (iii) asbestos or asbestos-containing materials in any form that is or could become friable,
- (iv) underground or above-ground storage tanks that are not subject to a "no further action" letter from the regulatory authority in the related property jurisdiction, whether empty or containing any substance,
- (v) any substance the presence of which on the Mortgaged Property is prohibited by any federal, state or local authority,
- (vi) any substance that requires special handling and any other "hazardous material," "hazardous waste," "toxic substance," "toxic pollutant," "contaminant," or "pollutant" by or within the meaning of any Hazardous Materials Law, or
- (vii) any substance that is regulated in any way by or within the meaning of any Hazardous Materials Law.

"Hazardous Materials Law" means

- (i) any federal, state, and local law, ordinance and regulation and standard, rule, policy and other governmental requirement, administrative ruling and court judgment and decree in effect now or in the future and including all amendments, that relate to Hazardous Materials or the protection of human health or the environment and apply to the Borrower or to the Mortgaged Property, and
- (ii) Hazardous Materials Laws include, but are not limited to, the Comprehensive Environmental Response, Compensation and Liability Act, 42 U.S.C. Section 9601, et seq., the Resource Conservation and Recovery Act of 1976, 42 U.S.C. Section 6901, et seq., the Toxic Substance Control Act, 15 U.S.C. Section 2601, et seq., the Clean Water Act, 33 U.S.C. Section 1251, et seq., and the Hazardous Materials Transportation Act, 49 U.S.C. Section 5101, et. seq., and their state analogs.

(15) Insurance.

- (a) Each related Mortgaged Property is insured by each of the following:
  - (i) a property damage insurance policy, issued by an insurer meeting the requirements of the Loan Documents and the Guide, in an amount not less than

- (A) the lesser of (1) the outstanding principal amount of the related Loan and any related Companion Loan, and (2) the replacement cost (with no deduction for physical depreciation) of the Mortgaged Property, and
  - (B) the amount necessary to avoid the operation of any co-insurance provisions with respect to the related Mortgaged Property,
- (ii) business income or rental value insurance covering no less than the effective gross income, as determined by the Mortgage Loan Seller, attributable to the Mortgaged Property for 12 months,
- (iii) comprehensive general liability insurance in amounts generally required by prudent multifamily mortgage lenders for similar properties, and
- (iv) if windstorm and related perils and/or “Named Storm” is excluded from the property damage insurance policy, the Mortgaged Property is insured by a separate windstorm insurance policy or endorsement covering damage from windstorm and related perils and/or “Named Storm” in an amount not less than:
  - (A) the lesser of (1) the outstanding principal amount of the related Loan and any related Companion Loan, and (2) the replacement cost (with no deduction for physical depreciation) of the Mortgaged Property, and
  - (B) the amount necessary to avoid the operation of any co-insurance provisions with respect to the related Mortgaged Property.
- (b) Pursuant to the Guide, a seismic risk assessment was completed for Mortgaged Properties with borrower-owned structures located in a geographic location with a horizontal Peak Ground Acceleration (PGA) equal to or greater than 0.15g for the sole purpose of assessing a scenario expected loss (“SEL”) for the Mortgaged Property in the event of an earthquake. If a seismic assessment concluded that the SEL on a Mortgaged Property would exceed 20% of the amount of the replacement costs of the improvements, earthquake insurance was required in an amount customarily required by prudent multifamily mortgage lenders for similar properties.
- (c) Each insurance policy (other than liability policies) requires at least ten days prior notice to the lender of termination or cancellation by the insurer arising because of non-payment of a premium and at least 30 days prior notice to the lender of termination or cancellation by the insurer arising for any reason other than non-payment of a premium, and no such notice has been received by the Mortgage Loan Seller.
- (d) All premiums on such insurance policies required to be paid have been paid.
- (e) Each insurance policy contains a standard mortgagee clause and loss payee clause in favor of lender and names the mortgagee as an additional insured in the case of liability insurance policies (other than with respect to professional liability policies).
- (f) Based solely on a flood zone determination, if any material portion of the improvements on the Mortgaged Property, exclusive of any parking lots, is located in an area identified by the Federal Emergency Management Agency as a special flood hazard area, then the Borrower is required to maintain flood insurance for such portion of the improvements located in a special flood hazard area in an amount equal to the maximum amount available under the National Flood Insurance Program, plus such additional excess flood coverage in an amount generally required by prudent multifamily mortgage lenders for similar properties.
- (g) The related Loan Documents for each Loan obligate the related Borrower to maintain all such insurance and, if the Borrower fails to do so, authorize the lender to maintain such insurance at the Borrower’s cost and expense and to seek reimbursement for such insurance from the Borrower.

- (h) None of the Loan Documents contains any provision that expressly excuses the related Borrower from obtaining and maintaining insurance coverage for acts of terrorism.
- (i) The related Loan Documents for each Loan contain customary provisions consistent with the practices of prudent multifamily mortgage lenders for similar properties requiring the related Borrower to obtain such other insurance as the lender may require from time-to-time.

(16) Grace Periods.

For any Loan that provides for a grace period with respect to delinquent Monthly Payments, such grace period is no longer than ten days from the applicable payment date.

(17) Due on Encumbrance.

Each Loan prohibits the related Borrower from doing either of the following:

- (a) from mortgaging or otherwise encumbering the Mortgaged Property without the prior written consent of the lender or the satisfaction of debt service coverage and other criteria specified in the related Loan Documents, and
- (b) from carrying any additional indebtedness, except as set forth in the Loan Documents or in connection with trade debt and equipment financings incurred in the ordinary course of Borrower's business.

(18) Carveouts to Non-Recourse.

(a) The Loan Documents for each Loan provide that:

- (i) the related Borrower will be liable to the lender for any losses incurred by the lender due to any of the following:
  - (A) the misapplication or misappropriation of rents (after a demand is made after an event of default), insurance proceeds or condemnation awards,
  - (B) any breach of the environmental covenants contained in the related Loan Documents,
  - (C) fraud by such Borrower in connection with the application for or creation of the Loan or in connection with any request for any action or consent by the lender, and
- (ii) the Loan will become full recourse in the event of a voluntary bankruptcy filing by the Borrower.

(b) A natural person is jointly and severally liable with the Borrower with respect to (a)(i) and (a)(ii).

(19) Financial Statements.

Each Loan requires the Borrower to provide the owner or holder of the Mortgage with quarterly and annual operating statements, rent rolls (or annual maintenance rolls in the case of cooperative associations), and related information and annual financial statements.

(20) Due on Sale.

- (a) Each Loan contains provisions for the acceleration of the payment of the unpaid principal balance of such Loan if, without the consent of the holder of the Mortgage and/or if not in compliance with the requirements of the related Loan Documents, the related Mortgaged Property or a controlling interest in the related Borrower is directly or indirectly transferred or sold, except with respect to any of the following transfers:

- (i) transfers of certain interests in the related Borrower to Persons already holding direct or indirect interests in such Borrower, their family members, affiliated companies and other estate planning related transfers that satisfy certain criteria specified in the related Loan Documents (which criteria are consistent with the practices of prudent multifamily mortgage lenders),
    - (ii) transfers of less than a controlling interest in a Borrower,
    - (iii) transfers of common stock in publicly traded companies, or
    - (iv) if the related Mortgaged Property is a residential cooperative property, transfers of stock of the related Borrower in connection with the assignment of a proprietary lease for a unit in the related Mortgaged Property by a tenant-shareholder of the related Borrower to other Persons who by virtue of such transfers become tenant-shareholders in the related Borrower.
  - (b) The Mortgage requires the Borrower to pay all fees and expenses associated with securing the consent or approval of the holder of the Mortgage for all actions requiring such consent or approval under the Mortgage including the cost of counsel opinions relating to REMIC or other securitization and tax issues.
- (21) Assignment of Leases.
- (a) Each Mortgage File contains an Assignment of Leases that is part of the related Mortgage.
  - (b) Each such Assignment of Leases creates a valid present assignment of, or a valid first priority lien or security interest in, certain rights under the related lease or leases, subject only to a license granted to the related Borrower to exercise certain rights and to perform certain obligations of the lessor under such lease or leases, including the right to operate the related leased property, except as enforcement may be limited by bankruptcy, insolvency, reorganization, moratorium or other laws affecting the enforcement of creditors' rights or by general principles of equity (regardless of whether enforceability is considered in a proceeding in equity or at law).
  - (c) No Person other than the related Borrower owns any interest in any payments due under the related lease or leases that is superior to or of equal priority with the lender's interest.
  - (d) The related Mortgage provides for the appointment of a receiver for rents or allows the holder thereof to enter into possession to collect rents or provides for rents to be paid directly to the mortgagee in the event of a default under the Loan or Mortgage.
- (22) Insurance Proceeds and Condemnation Awards.
- (a) Each Loan provides that insurance proceeds and condemnation awards will be applied to one of the following:
    - (i) restoration or repair of the related Mortgaged Property,
    - (ii) restoration or repair of the related Mortgaged Property, with any excess insurance proceeds or condemnation awards after restoration or repair being paid to the Borrower, or
    - (iii) reduction of the principal amount of the Loan and any related Companion Loan.
  - (b) In the case of all casualty losses or condemnations resulting in proceeds or awards in excess of a specified dollar amount or percentage of the Loan amount that a prudent multifamily lender would deem satisfactory and acceptable, the lender or a trustee appointed by it (if the lender does not exercise its right to apply the insurance proceeds or condemnation awards (including proceeds from settlement of condemnation actions) to the principal balance of the related Loan in

accordance with the Loan Documents) has the right to hold and disburse such proceeds or awards as the repairs or restoration progresses.

- (c) To the Mortgage Loan Seller's knowledge, there is no proceeding pending for the total or partial condemnation of such Mortgaged Property that would have a material adverse effect on the use or value of the Mortgaged Property.

(23) Customary Provisions.

- (a) The Note or Mortgage for each Loan, together with applicable state law, contains customary and enforceable provisions so as to render the rights and remedies of the holder of such Note or Mortgage adequate for the practical realization against the related Mortgaged Property of the principal benefits of the security in the collateral intended to be provided by such Note or the lien of such Mortgage, including realization by judicial or if applicable, non-judicial foreclosure, except as the enforcement of the Mortgage may be limited by bankruptcy, insolvency, reorganization, moratorium, redemption or other laws affecting the enforcement of creditors' rights or by general principles of equity (regardless of whether such enforceability is considered in a proceeding in equity or at law).
- (b) No Borrower is a debtor in, and no Mortgaged Property is the subject of, any state or federal bankruptcy or insolvency proceeding, and, as of the Origination Date, no guarantor was a debtor in any state or federal bankruptcy or insolvency proceeding.

(24) Litigation.

To the knowledge of the Mortgage Loan Seller, there are no actions, suits or proceedings before any court, administrative agency or arbitrator concerning any Loan, Borrower or related Mortgaged Property, an adverse outcome of which would reasonably be expected to materially and adversely affect any of the following:

- (a) title to the Mortgaged Property or the validity or enforceability of the related Mortgage,
- (b) the value of the Mortgaged Property as security for the Loan,
- (c) the use for which the Mortgaged Property was intended, or
- (d) the Borrower's ability to perform under the related Loan.

(25) Escrow Deposits.

- (a) Except as previously disbursed pursuant to the Loan Documents, all escrow deposits and payments relating to each Loan that are required to be deposited or paid, have been deposited or paid.
- (b) All escrow deposits and payments required pursuant to each Loan are in the possession, or under the control, of the Mortgage Loan Seller or its servicer.
- (c) All such escrow deposits that have not been disbursed pursuant to the Loan Documents are being conveyed by the Mortgage Loan Seller to the Depositor and identified with appropriate detail.

(26) Valid Assignment.

- (a) Each related assignment of Mortgage and related assignment of Assignment of Leases, if any, from the Mortgage Loan Seller to the Depositor is in recordable form and constitutes the legal, valid and binding assignment from the Mortgage Loan Seller to the Depositor, except as enforcement may be limited by bankruptcy, insolvency, reorganization, liquidation, receivership, moratorium or other laws relating to or affecting the enforcement of creditors' rights or by general

principles of equity (regardless of whether enforceability is considered in a proceeding in equity or at law).

- (b) Each related Mortgage and Assignment of Leases, if any, is freely assignable without the consent of the related Borrower.

(27) Appraisals.

Each Servicing File (or the Servicing File of a Loan that is secured by the same Mortgaged Property and that is concurrently being conveyed by the Mortgage Loan Seller to the Depositor) contains an appraisal for the related Mortgaged Property with a valuation date that is within 12 months of the Closing Date and that satisfies the guidelines set forth in Title XI of the Financial Institutions Reform, Recovery and Enforcement Act of 1989.

(28) Inspection of Mortgaged Property.

The Mortgage Loan Seller (or if the Mortgage Loan Seller is not the Mortgage Loan Originator, the Mortgage Loan Originator) inspected or caused to be inspected each Mortgaged Property in connection with the origination of the related Loan and within 12 months of the Closing Date.

(29) Qualification To Do Business.

To the extent required under applicable law, as of the Cut-off Date or as of the date that such entity held the Note, each holder of the Note was authorized to transact and do business in the jurisdiction in which the related Mortgaged Property is located, or the failure to be so authorized did not materially and adversely affect the enforceability of such Loan.

(30) Ownership.

- (a) Immediately prior to the transfer to the Depositor of the Loans, the Mortgage Loan Seller had good title to, and was the sole owner of, each Loan.
- (b) The Mortgage Loan Seller has full right, power and authority to transfer and assign each of the Loans to the Depositor and has validly and effectively conveyed (or caused to be conveyed) to the Depositor or its designee all of the Mortgage Loan Seller's legal and beneficial interest in and to the Loans free and clear of any and all liens, pledges, charges, security interests and/or other encumbrances of any kind.

(31) Deed of Trust.

If the Mortgage is a deed of trust, each of the following is true:

- (a) a trustee, duly qualified under applicable law to serve as trustee, currently serves as trustee and is named in the deed of trust (or has been or may be substituted in accordance with applicable law by the related lender), and
- (b) such deed of trust does not provide for the payment of fees or expenses to such trustee by the Mortgage Loan Seller, the Depositor or any transferee of the Mortgage Loan Seller or the Depositor.

(32) Validity of Loan Documents.

- (a) Each Note, Mortgage or other agreement that evidences or secures the related Loan and was executed by or for the benefit of the related Borrower or any guarantor is the legal, valid and binding obligation of the signatory, enforceable in accordance with its terms, except as enforcement may be limited by bankruptcy, insolvency, reorganization, moratorium or other laws

affecting the enforcement of creditors' rights or by general principles of equity (regardless of whether enforceability is considered in a proceeding in equity or at law).

- (b) There is no valid offset, defense, counterclaim, or right of rescission, abatement or diminution available to the related Borrower or any guarantor with respect to such Note, Mortgage or other agreement, except as enforcement may be limited by bankruptcy, insolvency, reorganization, moratorium or other laws affecting the enforcement of creditors' rights or by general principles of equity (regardless of whether enforceability is considered in a proceeding in equity or at law).
- (c) To Mortgage Loan Seller's knowledge, no offset, defense, counterclaim or right of rescission, abatement or diminution has been asserted by Borrower or any guarantor.

(33) Compliance with Usury Laws.

As of the Origination Date, the Mortgage Rate (exclusive of any default interest, late charges, yield maintenance charge, or prepayment premiums) of each Loan was in compliance with, or was exempt from, applicable state or federal laws, regulations and other requirements pertaining to usury.

(34) No Shared Appreciation.

No Loan has shared appreciation rights with respect to such Loan (it being understood that equity holdings, including without limitation, preferred equity holdings, will not be considered shared appreciation rights with respect to a Loan), any other contingent interest feature or a negative amortization feature.

(35) Whole Loan.

Except for any Loan that has a related Companion Loan(s), each Loan is a whole loan and is not a participation interest in such Loan. With respect to any Loan that has a related Companion Loan(s), such Loan and any related Companion Loan(s) collectively constitute a whole loan.

(36) Loan Information.

The information set forth in the Mortgage Loan Schedule is true, complete and accurate in all material respects.

(37) Full Disbursement.

The proceeds of the Loan have been fully disbursed and there is no requirement for future advances.

(38) No Advances.

No advance of funds has been made by the Mortgage Loan Seller to the related Borrower, and no advance of funds have, to the Mortgage Loan Seller's knowledge, been received (directly or indirectly) from any Person (other than from mezzanine debt or any preferred equity interest holder) for or on account of payments due on the Loan.

(39) All Collateral Transferred.

All collateral that secures the Loans is being transferred to the Depositor as part of the Loans (other than (i) healthcare licenses, (ii) Medicare, Medicaid or similar federal, state or local third party payor programs, including housing assistance payments contracts, or (iii) any federal, state or local permits or approvals for the operation of a wastewater treatment plant, sewer system or sewage treatment plant, private water or utility system or similar facility, to the extent any of the foregoing are not transferable without governmental approval).

(40) Loan Status; Waivers and Modifications.

Since the Origination Date and except pursuant to written instruments set forth in the related Mortgage File or as described in the Pooling and Servicing Agreement as a Freddie Mac Pre-Approved Servicing Request, all of the following are true and correct:

- (a) the material terms of such Mortgage, Note and related Loan Documents have not been waived, impaired, modified, altered, satisfied, canceled, subordinated or rescinded in any respect,
- (b) no related Mortgaged Property or any portion thereof has been released from the lien of the related Mortgage in any manner which materially interferes with the security intended to be provided by such Mortgage or the use, value or operation of such Mortgaged Property, and
- (c) neither Borrower nor guarantor has been released from its obligations under the Loan.

(41) Defaults.

- (a) There exists no monetary default (other than payments due but not yet more than 30 days past due) or, to Mortgage Loan Seller's knowledge, material non-monetary default, breach, violation or event of acceleration under the related Loan.
- (b) To Mortgage Loan Seller's knowledge, there exists no event that, with the passage of time or with notice and the expiration of any grace or cure period, would constitute a material default, breach, violation or event of acceleration under such Loan; provided, however, that the representations and warranties set forth in this paragraph 41 do not address or otherwise cover any default, breach, violation or event of acceleration that specifically pertains to any matter otherwise covered by any other representation or warranty made by the Mortgage Loan Seller in this Exhibit C-1; and, provided, further, that a breach by the Borrower of any representation or warranty contained in any Loan Document (each, a "Borrower Representation") will not constitute a material non-monetary default, breach, violation or event of acceleration for purposes of this paragraph 41 if the subject matter of such Borrower Representation is covered by any exception to any representation or warranty made by the Mortgage Loan Seller in this Exhibit C-1.
- (c) Since the Origination Date, except as set forth in the related Mortgage File, neither the Mortgage Loan Seller nor any servicer of the Loan has waived any material default, breach, violation or event of acceleration under any of the Loan Documents.
- (d) Pursuant to the terms of the Loan Documents, no Person or party other than the holder of the Note and Mortgage may declare an event of default or accelerate the related indebtedness under such Loan Documents.

(42) Payments Current.

No scheduled payment of principal and interest under any Loan was more than 30 days past due as of the Cut-off Date, and no Loan was more than 30 days delinquent in the 12-month period immediately preceding the Cut-off Date.

(43) Qualified Loan.

Each Loan constitutes a "qualified mortgage" within the meaning of Code Section 860G(a)(3) (but without regard to the rule in Treasury Regulation Section 1.860G-2(f)(2) that treats a defective obligation as a "qualified mortgage" or any substantially similar successor provision). Any prepayment premiums and yield maintenance charges payable upon a voluntary prepayment under the terms of such Loan constitute "customary prepayment penalties" within the meaning of Treasury Regulation Section 1.860G-1(b)(2).

(44) Prepayment Upon Condemnation.

For all Loans originated after December 6, 2010, in the event of a taking of any portion of a Mortgaged Property by a State or any political subdivision or authority thereof, whether by legal proceeding or by agreement, if the fair market value of the real property constituting the remaining Mortgaged Property immediately after the release of such portion of the Mortgaged Property from the lien of the related Mortgage (but taking into account any planned restoration and reduced by (a) the outstanding principal balance of all senior indebtedness secured by the Mortgaged Property and (b) a proportionate amount of all indebtedness secured by the Mortgaged Property that is at the same level of priority as the Loan, as applicable), is not equal to at least 80% of the remaining principal amount of the Loan and any related Companion Loan(s), the related Borrower can be required to apply the award with respect to such taking to prepay the Loan or to prepay the Loan in the amount required by the REMIC Provisions and such amount may not, to such extent, be used to restore the related Mortgaged Property or be released to the related Borrower.

(45) Defeasance. Only with respect to the Loans for which the related Loan Documents permit defeasance:

- (a) no Loan provides that it can be defeased prior to the date that is two years following the Closing Date,
- (b) no Loan provides that it can be defeased with any property other than government securities (as defined in Section 2(a)(16) of the Investment Company Act of 1940, as amended),
- (c) the related Loan Documents provide that the related Borrower is responsible for the payment of all reasonable costs and expenses of the lender, including any rating agency fees, incurred in connection with (i) the defeasance of such Loan and the release of the related Mortgaged Property and (ii) the approval of an assumption of such Loan, and
- (d) the related Loan Documents require delivery of all of the following:
  - (i) an opinion to the effect that the lender has a valid and perfected lien and security interest of first priority in the defeasance collateral,
  - (ii) an accountant's certificate as to the adequacy of the defeasance collateral to make all scheduled payments, and
  - (iii) an opinion to the effect that the defeasance complies with applicable REMIC Provisions.

(46) Releases of Mortgaged Property.

- (a) No Loan requires the lender to release all or any portion of the related Mortgaged Property from the lien of the related Mortgage, except as in compliance with the REMIC Provisions and one of the following:
  - (i) upon payment in full of all amounts due under the related Loan,
  - (ii) in connection with a full or partial defeasance pursuant to provisions in the related Loan Documents,
  - (iii) unless such portion of the Mortgaged Property was not considered material for purposes of underwriting the Loan, was not included in the appraisal for such Mortgaged Property or does not generate income,
  - (iv) upon the payment of a release price at least equal to the allocated loan amount or, if none, the appraised value of the released parcel and any related prepayment,
  - (v) with respect to any Loan that is cross-collateralized with any other Loan(s), or any Loan that is secured by multiple Mortgaged Properties, in connection with the release of any cross-collateralization pursuant to provisions in the related Loan Documents, or

- (vi) in connection with the substitution of a Mortgaged Property pursuant to provisions in the related Loan Documents.
- (b) With respect to clauses (iii), (iv), (v) and (vi) above, for all Loans originated after December 6, 2010, if the fair market value of the real property constituting the remaining Mortgaged Property (reduced by (a) the outstanding principal balance of all senior indebtedness secured by the Mortgaged Property and (b) a proportionate amount of all indebtedness secured by the Mortgaged Property that is at the same level of priority as the related Loan) immediately after the release of such portion of the Mortgaged Property from the lien of the related Mortgage is not equal to at least 80% of the remaining principal amount of the Loan and any related Companion Loan(s), the related Borrower is required to prepay the Loan in an amount equal to or greater than the amount required by the REMIC Provisions.

(47) Origination and Servicing.

The origination, servicing and collection practices used by the Mortgage Loan Seller or, to the Mortgage Loan Seller's knowledge, any prior holder or servicer of each Loan have been in compliance with all applicable laws and regulations, and substantially in accordance with the practices of prudent multifamily mortgage lenders with respect to similar mortgage loans and in compliance with the Guide in all material respects.

(48) Validity of the Co-Lender Agreement(s).

The Co-Lender Agreement or, if there is more than one Co-Lender Agreement, each Co-Lender Agreement, is the legal, valid and binding obligation of the signatory(ies), enforceable in accordance with its terms, except as enforcement may be limited by bankruptcy, insolvency, reorganization, moratorium or other laws affecting the enforcement of creditors' rights or by general principles of equity (regardless of whether enforceability is considered in a proceeding in equity or at law).

**EXHIBIT C-2**

**EXCEPTIONS TO MORTGAGE LOAN SELLER’S REPRESENTATIONS AND WARRANTIES**

*Capitalized terms used but not otherwise defined in this Exhibit C-2 will have the meanings set forth in the mortgage loan purchase agreement.*

<b>Representation and Warranty</b>	<b>Loan Number*</b>	<b>Mortgaged Property Name</b>	<b>Issue</b>
2 (Cross-Collateralized and/or Cross-Defaulted Loans)	1	The Rheingold A-2	The Mortgaged Property serves as collateral for both the Loan and the related Companion Loan pursuant to a single Mortgage. A default under either the Loan or the related Companion Loan would be a default under the Mortgage. The related Companion Loan is not being transferred to the Depositor.
6 (Condition of Mortgaged Property)	3 5 9 10 14 15 16 18 23 24 32 35 37 41 46 47 48 50 51 53 54 55 56 57 58 59 60	Gramercy Apartments Astorwood Summit Center Pine Barrens Vista Del Rey Apartments Thymewood Rivers End Bridgepoint Timber Hollow Apartments The Watson Longhaven Estates MHC Park At Oak Ridge Whispering Pines The Reserves Of Thomas Glen Pinnacle Place Apartments Oakview Place Apartment Homes Park Square Townhouses Palmetto Gardens & Willwood Gardens Ridgewood - Indiana Windrush Willowood Pine Meadows Heronwood Waterbury Willow Run Princeton Court Charing Cross	Certain due diligence customarily performed, or caused to be performed, by Mortgage Loan Seller with respect to the condition of the Mortgaged Property was not conducted in connection with the origination of the Loan. A complete property condition report or Physical Risk Report, as applicable, was not obtained and/or an in-person inspection of the Mortgaged Property was not conducted at origination of the Loan.

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\* As specified on Exhibit A-1.

<p>10 (Valid First Lien)</p>	<p>1 22 42 44</p>	<p>The Rheingold A-2 Barnbeck Place Ashton Heights Apartments Summitwoods Apartments</p>	<p>The Mortgaged Property is subject to a regulatory agreement, declaration of restrictive covenants, land use restriction agreement, extended use agreement or other similar agreement (each, a “<u>Regulatory Agreement</u>”) that may impose certain tenant income and/or rent affordability restrictions and, in some cases, certain other operating restrictions, on all or a portion of the units in the Mortgaged Property and may include remedies beyond those of specific performance and/or injunctive relief. The covenants and restrictions contained in the Regulatory Agreement may run with the land and may be binding on Borrower and its successors and assigns and all others later acquiring right or title to the Mortgaged Property.</p>
<p>11 (Title Insurance)</p>	<p>6 7 17 19 23 27 29 30 31 54 57 60</p>	<p>Apple Ridge Ridgewood Court Meadowood Stonehenge Timber Hollow Apartments Amhurst Lindendale Mulberry Parkville Willowood Waterbury Charing Cross</p>	<p>The Mortgaged Property is located in Ohio, which has a statute that establishes priority in foreclosure for oil and gas leases, pipeline agreements and other instruments related to the production or sale of natural gas, including such leases, agreements and instruments that arise subsequent to the date of the Title Policy.</p>
<p>11 (Title Insurance)</p>	<p>1 22 42 44</p>	<p>The Rheingold A-2 Barnbeck Place Ashton Heights Apartments Summitwoods Apartments</p>	<p>The Mortgaged Property is subject to a Regulatory Agreement that may impose certain tenant income and/or rent affordability restrictions and, in some cases, certain other operating restrictions, on all or a portion of the units in the Mortgaged Property and may include remedies beyond those of specific performance and/or injunctive relief. The covenants and restrictions contained in the Regulatory Agreement may run with the land and may be binding on Borrower and its successors and assigns and all others later acquiring right or title to the Mortgaged Property.</p>
<p>14 (Environmental Conditions)</p>	<p>1</p>	<p>The Rheingold A-2</p>	<p>A Phase I Environmental Report or Physical Risk Report was conducted with respect to the Mortgaged Property more than 12 months prior to the Closing Date.</p>

<p>18 (Carveouts to Non-Recourse)</p>	<p>2 3 4 5 6 7 8 9 10 11 15 16 17 18 19 20 23 26 27 28 29 30 31 35 51 52 53 54 55 56 57 58 59 60 61</p>	<p>Town Southern Gramercy Apartments The Salado At Red Berry Astorwood Apple Ridge Ridgewood Court Palm Place Summit Center Pine Barrens Sherbrook Thymewood Rivers End Meadowood Bridgepoint Stonehenge Northwood Timber Hollow Apartments Dogwood Glen Amhurst Elmtree Park Lindendale Mulberry Parkville Park At Oak Ridge Ridgewood - Indiana Heathmoore - Indianapolis Windrush Willowood Pine Meadows Heronwood Waterbury Willow Run Princeton Court Charing Cross Hartwick</p>	<p>The guarantor is not a natural person.</p>
<p>27 (Appraisals)</p>	<p>1</p>	<p>The Rheingold A-2</p>	<p>The Servicing File for the Mortgaged Property contains an appraisal with a valuation date that is not within 12 months of the Closing Date.</p>

<p>28 (Inspection of Mortgaged Property)</p>	<p>3 5 9 10 14 15 16 18 23 24 32 35 37 41 46 47 48 50 51 53 54 55 56 57 58 59 60</p>	<p>Gramercy Apartments Astorwood Summit Center Pine Barrens Vista Del Rey Apartments Thymewood Rivers End Bridgepoint Timber Hollow Apartments The Watson Longhaven Estates MHC Park At Oak Ridge Whispering Pines The Reserves Of Thomas Glen Pinnacle Place Apartments Oakview Place Apartment Homes Park Square Townhouses Palmetto Gardens &amp; Willwood Gardens Ridgewood - Indiana Windrush Willowood Pine Meadows Heronwood Waterbury Willow Run Princeton Court Charing Cross</p>	<p>An in-person inspection of the Mortgaged Property was not conducted in connection with the origination of the Loan or within 12 months of the Closing Date.</p>
<p>28 (Inspection of Mortgaged Property)</p>	<p>1</p>	<p>The Rheingold A-2</p>	<p>The Mortgaged Property was inspected more than 12 months prior to the Closing Date.</p>
<p>39 (All Collateral Transferred)</p>	<p>1</p>	<p>The Rheingold A-2</p>	<p>The collateral that secures the Loan has been transferred to the holder of the Companion Loan, subject to the rights of the holder of the Loan pursuant to the Co-Lender Agreement.</p>

**EXHIBIT D**

**DECREMENT TABLE FOR THE CLASS AS CERTIFICATES**

**Percentage of Initial Principal Balance Outstanding For**

**Class AS Certificates**

0% CPR During Lockout and Static Prepayment Premium Periods  
— Otherwise at Indicated CPR

**Prepayments**

<b><u>Following the Distribution Date in—</u></b>	<b><u>0% CPR</u></b>	<b><u>25% CPR</u></b>	<b><u>50% CPR</u></b>	<b><u>75% CPR</u></b>	<b><u>100% CPR</u></b>
Closing Date.....	100%	100%	100%	100%	100%
July 2022.....	100%	100%	100%	100%	100%
July 2023.....	100%	100%	100%	100%	100%
July 2024.....	100%	100%	100%	100%	100%
July 2025.....	100%	100%	100%	100%	100%
July 2026.....	99%	99%	99%	99%	99%
July 2027.....	97%	97%	97%	97%	97%
July 2028.....	95%	95%	95%	95%	95%
July 2029.....	93%	93%	92%	91%	82%
July 2030.....	80%	80%	80%	80%	80%
July 2031 and thereafter.....	0%	0%	0%	0%	0%
<b>Weighted average life (in years).....</b>	<b>9.41</b>	<b>9.40</b>	<b>9.39</b>	<b>9.37</b>	<b>9.19</b>

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**EXHIBIT E**

**PRICE/YIELD TABLE FOR THE CLASS XS CERTIFICATES**

**Corporate Bond Equivalent (CBE) Yield of the Class XS Certificates at Various CPRs\*  
2.69632% Per Annum Initial Coupon\*\*  
\$469,839,500 Initial Notional Amount**

0% CPR During Lockout and Static Prepayment Premium Periods  
— Otherwise at Indicated CPR

<b>Price (%)***</b>	<b>0% CPR CBE Yield (%)</b>	<b>25% CPR CBE Yield (%)</b>	<b>50% CPR CBE Yield (%)</b>	<b>75% CPR CBE Yield (%)</b>	<b>100% CPR CBE Yield (%)</b>
8.1164	34.11	34.10	34.09	34.08	33.96
8.2414	33.45	33.45	33.44	33.42	33.30
8.3664	32.82	32.81	32.80	32.78	32.65
8.4914	32.20	32.19	32.18	32.16	32.03
8.6164	31.59	31.58	31.57	31.56	31.42
8.7414	31.00	31.00	30.99	30.97	30.83
8.8664	30.43	30.42	30.41	30.40	30.25
8.9914	29.87	29.86	29.85	29.84	29.69
9.1164	29.33	29.32	29.31	29.29	29.14
<b>Weighted Average Life (in years)</b>	<b>9.42</b>	<b>9.41</b>	<b>9.39</b>	<b>9.37</b>	<b>9.19</b>

\* Yields presented in the table above are based on an assumed SOFR of 0.02733% *per annum* and discounting on a 30/360 day count convention. Assumes the exercise of the right to purchase the underlying mortgage loans in the event the total Stated Principal Balance of the mortgage pool is less than 1.0% of the initial mortgage pool balance, as described under “The Pooling and Servicing Agreement—Termination” in this information circular.

\*\* Approximate, after giving effect to payments of Additional Interest Accrual Amounts.

\*\*\* Exclusive of accrued interest.

If you intend to purchase SPCs, you should rely only on the information in this Supplement, the Offering Circular and the Information Circular, including the information in the Incorporated Documents. We have not authorized anyone to provide you with different information.

This Supplement, the Offering Circular, the Information Circular and the Incorporated Documents may not be correct after their dates.

We are not offering the SPCs in any jurisdiction that prohibits their offer.

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**\$869,203,000**  
(Approximate)

# Freddie Mac

**Structured Pass-Through Certificates (SPCs)**  
**Series K-F117**



*Co-Lead Managers and Joint Bookrunners*

**Credit Suisse**

**PNC Capital Markets LLC**

*Co-Managers*

**Goldman Sachs & Co. LLC**

**Mizuho Securities**

**Ramirez & Co., Inc.**

**Wells Fargo Securities**

**July 20, 2021**