

\$768,441,650
Government National Mortgage Association

GINNIE MAE®

**Guaranteed REMIC Pass-Through Securities
and MX Securities
Ginnie Mae REMIC Trust 2022-191**

The Securities

The Trust will issue the Classes of Securities listed on the front cover of this offering circular supplement.

The Ginnie Mae Guaranty

Ginnie Mae will guarantee the timely payment of principal and interest on the securities. The Ginnie Mae Guaranty is backed by the full faith and credit of the United States of America.

The Trust and its Assets

The Trust will own (1) Ginnie Mae Certificates and (2) certain previously issued certificates.

The securities may not be suitable investments for you. You should consider carefully the risks of investing in them.

See “Risk Factors” beginning on page S-8 which highlights some of these risks.

The Sponsor and the Co-Sponsor will offer the securities from time to time in negotiated transactions at varying prices. We expect the closing date to be November 30, 2022.

You should read the Base Offering Circular as well as this Supplement.

The securities are exempt from registration under the Securities Act of 1933 and are “exempt securities” under the Securities Exchange Act of 1934.

Class of REMIC Securities	Original Principal Balance(2)	Interest Rate	Principal Type(3)	Interest Type(3)	CUSIP Number	Final Distribution Date(4)
Security Group 1						
A	\$ 96,194,094	4.00%	SC/SEQ	FIX	38383LHS2	June 2041
B	85,347,835	4.00	SC/SEQ	FIX	38383LHT0	June 2041
Security Group 2						
BA	118,629,499	4.00	SC/SEQ	FIX	38383LHU7	August 2041
BY	103,443,534	4.00	SC/SEQ	FIX	38383LHV5	August 2041
Security Group 3						
FC	50,000,000	(5)	PT	FLT	38383LHW3	November 2052
SC	50,000,000	(5)	NTL(PT)	INV/IO	38383LHX1	November 2052
Security Group 4						
JA(1)	40,000,000	5.50	SEQ	FIX	38383LHY9	May 2050
JV(1)	4,026,000	5.50	SEQ/AD	FIX	38383LHZ6	October 2033
JZ(1)	4,931,243	5.50	SEQ	FIX/Z	38383LJA9	November 2052
Security Group 5						
MA	30,000,000	6.00	SEQ	FIX	38383LJB7	March 2050
MV(1)	3,676,000	6.00	SEQ/AD	FIX	38383LJC5	September 2033
MZ(1)	4,047,192	6.00	SEQ	FIX/Z	38383LJD3	November 2052
Security Group 6						
LA	7,005,000	5.00	SEQ	FIX	38383LJE1	October 2031
LD	25,000,000	5.00	SEQ	FIX	38383LJF8	April 2046
LV(1)	9,256,000	5.00	SEQ/AD	FIX	38383LJG6	November 2033
LZ(1)	12,718,715	5.00	SEQ	FIX/Z	38383LJH4	November 2052
Security Group 7						
G	96,800,456	5.00	SC/PT	FIX	38383LJJ0	April 2040
Security Group 8						
H(1)	20,117,307	5.00	SC/PT	FIX	38383LJK7	May 2037
Security Group 9						
AT	36,884,158	5.50	PT	FIX	38383LJL5	November 2062
Security Group 10						
BT	20,364,617	6.00	PT	FIX	38383LJM3	November 2062
Residuals						
R1	0	0.00	NPR	NPR	38383LJN1	June 2041
R2	0	0.00	NPR	NPR	38383LJP6	August 2041
R3	0	0.00	NPR	NPR	38383LJQ4	November 2052
R4	0	0.00	NPR	NPR	38383LJR2	November 2052
R5	0	0.00	NPR	NPR	38383LJS0	November 2052
R6	0	0.00	NPR	NPR	38383LJT8	November 2052
R7	0	0.00	NPR	NPR	38383LJU5	April 2040
R8	0	0.00	NPR	NPR	38383LJV3	May 2037
R9	0	0.00	NPR	NPR	38383LJW1	November 2062
R10	0	0.00	NPR	NPR	38383LJX9	November 2062

- (1) These Securities may be exchanged for MX Securities described in Schedule I to this Supplement.
- (2) Subject to increase as described under “Increase in Size” in this Supplement. The amount shown for the Notional Class (indicated by “NTL” under Principal Type) is its original Class Notional Balance and does not represent principal that will be paid.
- (3) As defined under “Class Types” in Appendix I to the Base Offering Circular. The Class Notional Balance of the Notional Class will be reduced as shown under “Terms Sheet — Notional Classes” in this Supplement.
- (4) See “Yield, Maturity and Prepayment Considerations — Final Distribution Date” in this Supplement.
- (5) See “Terms Sheet — Interest Rates” in this Supplement.

AVAILABLE INFORMATION

You should purchase the securities only if you have read and understood the following documents:

- this Offering Circular Supplement (this “Supplement”),
- the Base Offering Circular and
- in the case of the Group 1, 2, 7 and 8 securities, each disclosure document relating to the Underlying Certificates (the “Underlying Certificate Disclosure Documents”).

The Base Offering Circular and the Underlying Certificate Disclosure Documents are available on Ginnie Mae’s website located at <http://www.ginniemae.gov> (“ginniemae.gov”).

If you do not have access to the internet, call BNY Mellon, which will act as information agent for the Trust, at (800) 234-GNMA, to order copies of the Base Offering Circular. In addition, you can obtain copies of any other document listed above by contacting BNY Mellon at the telephone number listed above.

Please consult the standard abbreviations of Class Types included in the Base Offering Circular as Appendix I and the glossary included in the Base Offering Circular as Appendix II for definitions of capitalized terms.

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TERMS SHEET

This terms sheet contains selected information for quick reference only. You should read this Supplement, particularly “Risk Factors,” and each of the other documents listed under “Available Information.”

Sponsor: Goldman Sachs & Co. LLC

Co-Sponsor: Samuel A. Ramirez & Company, Inc.

Trustee: U.S. Bank National Association

Tax Administrator: The Trustee

Closing Date: November 30, 2022

Distribution Dates: For the Group 8 Securities, the 16th day of each month or, if the 16th day is not a Business Day, the first Business Day thereafter, commencing in December 2022. For the Group 1, 2, 3, 4, 5, 6, 7, 9 and 10 Securities, the 20th day of each month or, if the 20th day is not a Business Day, the first Business Day thereafter, commencing in December 2022.

Trust Assets:

<u>Trust Asset Group</u>	<u>Trust Asset Type</u>	<u>Certificate Rate</u>	<u>Original Term To Maturity (in years)</u>
1	Underlying Certificates	(1)	(1)
2	Underlying Certificates	(1)	(1)
3	Ginnie Mae II	6.50%	30
4	Ginnie Mae II	5.50%	30
5	Ginnie Mae II	6.00%	30
6	Ginnie Mae II	5.00%	30
7	Underlying Certificates	(1)	(1)
8	Underlying Certificates	(1)	(1)
9	Ginnie Mae II	5.50%	40
10	Ginnie Mae II	6.00%	40

⁽¹⁾ Certain information regarding the Underlying Certificates is set forth in Exhibit A to this Supplement.

Security Groups: This series of Securities consists of multiple Security Groups (each, a “Group”), as shown on the front cover of this Supplement and on Schedule I to this Supplement. Payments on each Group will be based solely on payments on the Trust Asset Group with the same numerical designation.

Assumed Characteristics of the Mortgage Loans Underlying the Group 3, 4, 5, 6, 9 and 10 Trust Assets⁽¹⁾:

<u>Principal Balance</u>	<u>Weighted Average Remaining Term to Maturity (in months)</u>	<u>Weighted Average Loan Age (in months)</u>	<u>Weighted Average Mortgage Rate⁽²⁾</u>
Group 3 Trust Assets			
\$50,000,000	360	0	7.000%
Group 4 Trust Assets			
\$48,957,243	353	2	5.961%
Group 5 Trust Assets			
\$37,723,192	358	1	6.424%
Group 6 Trust Assets			
\$53,979,715	356	1	5.504%
Group 9 Trust Assets⁽³⁾			
\$36,884,158	477	2	5.948%
Group 10 Trust Assets⁽³⁾			
\$20,364,617	477	2	6.380%

⁽¹⁾ As of November 1, 2022.

⁽²⁾ The Mortgage Loans underlying the Group 3, 4, 5, 6, 9 and 10 Trust Assets may bear interest at rates ranging from 0.25% to 1.50% per annum above the related Certificate Rate.

⁽³⁾ The Mortgage Loans underlying the Group 9 and 10 Trust Assets are modified loans with terms greater than or equal to 361 but not more than 480 months from the pool issuance date.

The actual remaining terms to maturity, loan ages and Mortgage Rates of many of the Mortgage Loans underlying the Group 3, 4, 5, 6, 9 and 10 Trust Assets will differ from the weighted averages shown above, perhaps significantly. See *“The Trust Assets — The Mortgage Loans”* in this Supplement.

Characteristics of the Group 1, 2, 7 and 8 Trust Assets: See Exhibit A to this Supplement for certain information regarding the characteristics of the related Underlying Certificates.

Issuance of Securities: The Securities, other than the Residual Securities, will initially be issued in book-entry form through the book-entry system of the U.S. Federal Reserve Banks (the “Fedwire Book-Entry System”). The Residual Securities will be issued in fully registered, certificated form. See *“Description of the Securities — Form of Securities”* in this Supplement.

Modification and Exchange: If you own exchangeable Securities you will be able, upon notice and payment of an exchange fee, to exchange them for a proportionate interest in the related Securities shown on Schedule I to this Supplement. See *“Description of the Securities — Modification and Exchange”* in this Supplement.

Increased Minimum Denomination Classes: Each Class that constitutes an Interest Only Class. See *“Description of the Securities — Form of Securities”* in this Supplement.

Interest Rates: The Interest Rates for the Fixed Rate Classes are shown on the front cover of this Supplement or on Schedule I to this Supplement.

The Floating Rate and Inverse Floating Rate Classes will bear interest at per annum rates based on a 30-day compounded average of the Secured Overnight Financing Rate (“SOFR”) (hereinafter referred to as “Compounded SOFR”) as follows:

<u>Class</u>	<u>Interest Rate Formula(1)</u>	<u>Initial Interest Rate(2)</u>	<u>Minimum Rate</u>	<u>Maximum Rate</u>	<u>Delay (in days)</u>	<u>Compounded SOFR for Minimum Interest Rate</u>
Security Group 3						
FC	Compounded SOFR + 0.90%	3.95000%	0.90%	6.50%	0	0.00%
SC	5.60% – Compounded SOFR	2.55000%	0.00%	5.60%	0	5.60%

- (1) Compounded SOFR will be established as described under “Description of the Securities — Interest Distributions — Floating Rate and Inverse Floating Rate Classes” in this Supplement.
- (2) The initial Interest Rate will be in effect during the first Accrual Period; the Interest Rate will adjust monthly thereafter.

Allocation of Principal: On each Distribution Date for a Security Group, the following distributions will be made to the related Securities:

SECURITY GROUP 1

The Group 1 Principal Distribution Amount will be allocated, sequentially, to A and B, in that order, until retired

SECURITY GROUP 2

The Group 2 Principal Distribution Amount will be allocated, sequentially, to BA and BY, in that order, until retired

SECURITY GROUP 3

The Group 3 Principal Distribution Amount will be allocated to FC, until retired

SECURITY GROUP 4

The Group 4 Principal Distribution Amount and the JZ Accrual Amount will be allocated as follows:

- The JZ Accrual Amount, sequentially, to JV and JZ, in that order, until retired
- The Group 4 Principal Distribution Amount, sequentially, to JA, JV and JZ, in that order, until retired

SECURITY GROUP 5

The Group 5 Principal Distribution Amount and the MZ Accrual Amount will be allocated as follows:

- The MZ Accrual Amount, sequentially, to MV and MZ, in that order, until retired
- The Group 5 Principal Distribution Amount, sequentially, to MA, MV and MZ, in that order, until retired

SECURITY GROUP 6

The Group 6 Principal Distribution Amount and the LZ Accrual Amount will be allocated as follows:

- The LZ Accrual Amount, sequentially, to LV and LZ, in that order, until retired
- The Group 6 Principal Distribution Amount, sequentially, to LA, LD, LV and LZ, in that order, until retired

SECURITY GROUP 7

The Group 7 Principal Distribution Amount will be allocated to G, until retired

SECURITY GROUP 8

The Group 8 Principal Distribution Amount will be allocated to H, until retired

SECURITY GROUP 9

The Group 9 Principal Distribution Amount will be allocated to AT, until retired

SECURITY GROUP 10

The Group 10 Principal Distribution Amount will be allocated to BT, until retired

Accrual Classes: Interest will accrue on each Accrual Class identified on the front cover of this Supplement at the per annum rate set forth on that page. However, no interest will be distributed to the Accrual Classes as interest. Interest so accrued on each Accrual Class on each Distribution Date will constitute an Accrual Amount, which will be added to the Class Principal Balance of that Class on each Distribution Date and will be distributable as principal as set forth in this Terms Sheet under “Allocation of Principal.”

Notional Classes: The Notional Classes will not receive distributions of principal but have Class Notional Balances for convenience in describing their entitlements to interest. The Class Notional Balance of each Notional Class represents the percentage indicated below of, and reduces to that extent with, the Class Principal Balance indicated:

<u>Class</u>	<u>Original Class Notional Balance</u>	<u>Represents Approximately</u>
Security Group 3		
SC	\$50,000,000	100% of FC (PT Class)
Security Group 4		
JL	\$ 7,272,727	18.1818181818% of JA (SEQ Class)
Security Group 8		
HI	\$ 8,046,922	40% of H (SC/PT Class)

Tax Status: Single REMIC Series as to each of the following Groups of Trust Assets and related Trust REMIC:

<u>Trust Assets</u>	<u>Trust REMIC</u>
Group 1 Trust Assets	Group 1 REMIC
Group 2 Trust Assets	Group 2 REMIC
Group 3 Trust Assets	Group 3 REMIC
Group 4 Trust Assets	Group 4 REMIC
Group 5 Trust Assets	Group 5 REMIC
Group 6 Trust Assets	Group 6 REMIC
Group 7 Trust Assets	Group 7 REMIC
Group 8 Trust Assets	Group 8 REMIC
Group 9 Trust Assets	Group 9 REMIC
Group 10 Trust Assets	Group 10 REMIC

Separate REMIC elections will be made as to each of the Trust REMICs identified above. See *“Certain United States Federal Income Tax Consequences”* in this Supplement and in the Base Offering Circular.

Regular and Residual Classes: Classes R1, R2, R3, R4, R5, R6, R7, R8, R9 and R10 are Residual Classes and represent the Residual Interest of the related Trust REMIC as described under *“Certain United States Federal Income Taxes — Residual Securities”* in this Supplement. All other Classes of REMIC Securities are Regular Classes.

RISK FACTORS

You should purchase securities only if you understand and are able to bear the associated risks. The risks applicable to your investment depend on the principal and interest type of your securities. This section highlights certain of these risks.

The rate of principal payments on the underlying mortgage loans will affect the rate of principal payments on your securities.

The rate at which you will receive principal payments will depend largely on the rate of principal payments, including prepayments, on the mortgage loans underlying the related trust assets. Any historical data regarding mortgage loan prepayment rates may not be indicative of the rate of future prepayments on the underlying mortgage loans, and no assurances can be given about the rates at which the underlying mortgage loans will prepay. We expect the rate of principal payments on the underlying mortgage loans to vary. Borrowers generally may prepay their mortgage loans at any time without penalty.

The terms of the mortgage loans may be modified to permit, among other things, a partial release of security, which releases a portion of the mortgaged property from the lien securing the related mortgage loan. Partial releases of security may reduce the value of the remaining security and also allow the related borrower to sell the released property and generate proceeds that may be used to prepay the related mortgage loan in whole or in part.

In addition to voluntary prepayments, mortgage loans can be prepaid as a result of governmental mortgage insurance claim payments, loss mitigation arrangements, repurchases or liquidations of defaulted mortgage loans. Although under certain circumstances Ginnie Mae issuers have the option to repurchase defaulted mortgage loans from the related pool underlying a Ginnie Mae MBS certificate, they are not obligated to do so. Defaulted mortgage loans that remain in pools backing Ginnie Mae MBS certificates may be subject to governmental mortgage insurance claim payments, loss mitigation arrangements or foreclosure, which could have the same effect as voluntary prepayments on the cash flow available to pay the securities.

A catastrophic weather event, pandemic or other natural disaster may affect the rate of principal payments, including prepayments, on the underlying mortgage loans. Any such event may damage the related mortgaged properties that secure the mortgage loans or may lead to a general economic downturn in the affected regions, including job losses and declines in real estate values. A general economic downturn may increase the rate of defaults on the mortgage loans in such areas resulting in prepayments on the related securities due to governmental mortgage insurance claim payments, loss mitigation arrangements, repurchases or liquidations of defaulted mortgage loans. Insurance payments on damaged or destroyed homes may also lead to prepayments on the underlying mortgage loans. Further, in connection with presidentially declared major disasters, Ginnie Mae may authorize optional special assistance to issuers, including expanded buyout authority which allows issuers, upon receiving written approval from Ginnie Mae, to repurchase eligible loans from the related pool underlying a Ginnie Mae MBS certificate, even if such loans are not delinquent or do not otherwise meet the standard conditions for removal or repurchase.

No assurances can be given as to the timing or frequency of any governmental mortgage insurance claim payments, issuer repurchases, loss mitigation arrangements or foreclosure proceedings with respect to defaulted mortgage loans and the resulting effect on the timing or rate of principal payments on your securities.

Rates of principal payments can reduce your yield. The yield on your securities probably will be lower than you expect if:

- you bought your securities at a premium (interest only securities, for example) and principal payments are faster than you expected, or

- you bought your securities at a discount and principal payments are slower than you expected.

In addition, if your securities are interest only securities or securities purchased at a significant premium, you could lose money on your investment if prepayments occur at a rapid rate.

Under certain circumstances, a Ginnie Mae issuer has the right to repurchase a defaulted mortgage loan from the related pool of mortgage loans underlying a particular Ginnie Mae MBS certificate, the effect of which would be comparable to a prepayment of such mortgage loan. At its option and without Ginnie Mae's prior consent, a Ginnie Mae issuer may repurchase any mortgage loan at an amount equal to par less any amounts previously advanced by such issuer in connection with its responsibilities as servicer of such mortgage loan to the extent that (i) in the case of a mortgage loan included in a pool of mortgage loans underlying a Ginnie Mae MBS certificate issued on or before December 1, 2002, such mortgage loan has been delinquent for four consecutive months, and at least one delinquent payment remains uncured or (ii) in the case of a mortgage loan included in a pool of mortgage loans underlying a Ginnie Mae MBS certificate issued on or after January 1, 2003, no payment has been made on such mortgage loan for three consecutive months. Any such repurchase will result in prepayment of the principal balance or reduction in the notional balance of the securities ultimately backed by such mortgage loan. No assurances can be given as to the timing or frequency of any such repurchases.

The levels of Compounded SOFR will affect the yields on the floating rate and inverse floating rate securities. If Compounded SOFR performs differently from what you expect, the yield on the floating rate and inverse floating rate securities may be lower than you expect. Lower levels of Compounded SOFR will generally reduce the yield on the floating rate securities; higher levels of Compounded SOFR will generally reduce the yield on the inverse floating rate securities. You should bear in mind that the

timing of changes in the level of Compounded SOFR may affect your yield: generally, the earlier a change, the greater the effect on your yield. It is doubtful that Compounded SOFR will remain constant.

An investment in the securities is subject to significant reinvestment risk. The rate of principal payments on your securities is uncertain. You may be unable to reinvest the payments on your securities at the same returns provided by the securities. Lower prevailing interest rates may result in an unexpected return of principal. In that interest rate climate, higher yielding reinvestment opportunities may be limited. Conversely, higher prevailing interest rates may result in slower returns of principal, and you may not be able to take advantage of higher yielding investment opportunities. The final payment on your security may occur much earlier than the final distribution date.

The rate of payments on the underlying certificates will directly affect the rate of payments on the group 1, 2, 7 and 8 securities. The underlying certificates will be sensitive in varying degrees to:

- the rate of payments of principal (including prepayments) of the related mortgage loans, and
- the priorities for the distribution of principal among the classes of the related underlying series.

As described in the related underlying certificate disclosure documents, the principal entitlements of certain of the underlying certificates included in trust asset groups 1, 2, 7 and 8 on any payment date are calculated, directly or indirectly, on the basis of schedules; no assurance can be given that the underlying certificates will adhere to their schedules. Further, prepayments on the related mortgage loans may have occurred at rates faster or slower than those initially assumed.

The trust assets underlying certain of the underlying certificates included in trust asset groups 1, 2 and 7 are also previously issued certificates that

represent beneficial ownership interests in separate trusts. The rate of payments on the previously issued certificates backing these underlying certificates will directly affect the timing and rate of payments on the group 1, 2 and 7 securities. You should read the related underlying certificate disclosure documents, including the risk factors contained therein, to understand the payments on and related risks of the previously issued certificates backing these underlying certificates.

This supplement contains no information as to whether the underlying certificates have adhered to any applicable principal balance schedules, whether any related supporting classes remain outstanding or whether the underlying certificates otherwise have performed as originally anticipated. Additional information as to the underlying certificates may be obtained by performing an analysis of current principal factors of the underlying certificates in light of applicable information contained in the related underlying certificate disclosure documents.

Up to 10% of the mortgage loans underlying the trust assets may be higher balance mortgage loans. Subject to special pooling parameters set forth in the Ginnie Mae Mortgage-Backed Securities Guide, qualifying federally-insured or guaranteed mortgage loans that exceed certain balance thresholds established by Ginnie Mae (“higher balance mortgage loans”) may be included in Ginnie Mae guaranteed pools. There are no historical performance data regarding the prepayment rates for higher balance mortgage loans. If the higher balance mortgage loans prepay faster or slower than expected, the weighted average lives and yields of the related securities are likely to be affected, perhaps significantly. Furthermore, higher balance mortgage loans tend to be concentrated in certain geographic areas, which may experience relatively higher rates of defaults in the event of adverse economic conditions. No assurances can be given about the prepayment experience or performance of the higher balance mortgage loans.

An investment in the floating rate and inverse floating rate securities entails risks not

associated with an investment in conventional fixed rate securities or securities linked to established market indices.

The Federal Reserve Bank of New York began to publish SOFR in April 2018 and compounded averages of SOFR in March 2020. Although the Federal Reserve Bank of New York has also published historical indicative SOFR from August 2014 to March 2018, such pre-publication data necessarily involves assumptions, estimates and approximations. You should not rely on any historical changes or trends in SOFR as an indicator of future changes in SOFR. Daily shifts in SOFR have been, and may in the future be, greater than those in comparable market indices. Because the interest rate applicable to any accrual period for securities with an interest rate based on SOFR will be calculated by reference to the daily rates of SOFR during an approximate 30-day period commencing and ending before the related accrual period as described under “Description of the Securities — Interest Distributions — Floating Rate and Inverse Floating Rate Classes” in this supplement, the return on and value of the floating rate and inverse floating rate securities may fluctuate more than debt securities linked to less volatile indices.

SOFR is a relatively new market index, and the floating rate and inverse floating rate securities will likely have no established trading market when issued, and an established trading market may never develop or, if developed, may not be liquid. Investment in the floating rate and inverse floating rate securities carries additional pricing volatility, illiquidity and market risk, as discussed in more detail under “Description of the Securities — Interest Rate Indices — Determination of SOFR — General” in the base offering circular.

The interest rates of the floating rate and inverse floating rate securities will be based on Compounded SOFR. Ginnie Mae may, in its sole discretion and without the consent of security holders or any other party, convert the interest rates of the floating rate and inverse floating rate securities from Compounded SOFR to term SOFR. In connection with that conversion, Ginnie Mae may, in its sole discretion and without the consent of security holders or any other party, change the calculation methodology or spread, add or

subtract a rate adjustment and make other conforming changes with respect to the floating rate and inverse floating rate securities, as described under “Description of the Securities — Interest Rate Indices — Replacement Rate Conforming Changes” in the base offering circular. There can be no assurance that the interest rates of the floating rate and inverse floating rate securities will ever be based on term SOFR or, if based on term SOFR in the future, that the resulting interest rates will yield the same or similar economic results over the lives of the affected securities relative to the results that would have occurred had the interest rates remained based on Compounded SOFR or that the market value will not decrease due to the move from Compounded SOFR to term SOFR.

All aspects of the conversion will be at the sole discretion of Ginnie Mae, which could lead to volatility in the interest rates of or adversely affect the return on the floating rate and inverse floating rate securities, the trading market for such securities and the value of such securities.

You should consult your own financial and legal advisors about the risks associated with an investment in the floating rate and inverse floating rate securities and the suitability of investing in the floating rate and inverse floating rate securities in light of your particular circumstances.

Interest on the floating rate and inverse floating rate securities will be determined using a replacement rate if SOFR is no longer available, which could adversely affect the value of your investment in the floating rate and inverse floating rate securities.

Because SOFR is published by the Federal Reserve Bank of New York based on data received from other sources, neither Ginnie Mae nor the trustee has any control over its determination, calculation or publication. The Federal Reserve Bank of New York has noted that it may alter the methods of calculation, publication schedule, rate revision practices or availability of SOFR at any time without notice. There can be no assurance that SOFR will not be discontinued or fundamentally altered in a manner that is materially adverse to the interests of investors in

the floating rate and inverse floating rate securities.

If SOFR is no longer published or cannot be used, the amount of interest payable on the floating rate and inverse floating rate securities will be determined using a replacement rate, as described under “Description of the Securities — Interest Rate Indices — Determination of SOFR” in the base offering circular. Ginnie Mae will have the sole discretion to make conforming changes in connection with any replacement rate without the consent of security holders or any other party, as described under “Description of the Securities — Interest Rate Indices” in the base offering circular. This could reduce the amount of interest payable on the floating rate and inverse floating rate securities, which could adversely affect the return on, value of, and market for, the floating rate and inverse floating rate securities. Furthermore, there can be no assurance that the characteristics of any replacement rate will be similar to SOFR or that any replacement rate will produce the economic equivalent of SOFR.

The securities may not be a suitable investment for you. The securities, especially the group 1, 2, 7 and 8 securities and, in particular, the interest only, accrual and residual classes, are not suitable investments for all investors.

In addition, although the sponsor intends to make a market for the purchase and sale of the securities after their initial issuance, it has no obligation to do so. There is no assurance that a secondary market will develop, that any secondary market will continue, or that the price at which you can sell an investment in any class will enable you to realize a desired yield on that investment.

You will bear the market risks of your investment. The market values of the classes are likely to fluctuate. These fluctuations may be significant and could result in significant losses to you.

The secondary markets for mortgage-related securities have experienced periods of illiquidity and can be expected to do so in the future. Illiquidity can have a severely adverse effect on the

prices of classes that are especially sensitive to prepayment or interest rate risk or that have been structured to meet the investment requirements of limited categories of investors.

The residual securities may experience significant adverse tax timing consequences. Accordingly, you are urged to consult tax advisors and to consider the after-tax effect of ownership of a residual security and the suitability of the residual securities to your investment objectives. See *“Certain United States Federal Income Tax Consequences” in this supplement and in the base offering circular.*

You are encouraged to consult advisors regarding the financial, legal, tax and other aspects of an investment in the securities. You should not purchase the securities of any class unless you

understand and are able to bear the prepayment, yield, liquidity and market risks associated with that class.

The actual characteristics of the underlying mortgage loans will affect the weighted average lives and yields of your securities.

The yield and decrement tables in this supplement are based on assumed characteristics which are likely to be different from the actual characteristics. As a result, the yields on your securities could be lower than you expected, even if the mortgage loans prepay at the constant prepayment rates set forth in the applicable table.

It is highly unlikely that the underlying mortgage loans will prepay at any of the prepayment rates assumed in this supplement, or at any constant prepayment rate.

THE TRUST ASSETS

General

The Sponsor intends to acquire the Trust Assets in privately negotiated transactions prior to the Closing Date and to sell them to the Trust according to the terms of a Trust Agreement between the Sponsor and the Trustee. The Sponsor will make certain representations and warranties with respect to the Trust Assets. All Trust Assets, regardless of whether the assets consist of Trust MBS or the Underlying Certificates, will evidence, directly or indirectly, Ginnie Mae Certificates.

The Trust MBS (Groups 3, 4, 5, 6, 9 and 10)

The Trust MBS are either:

1. Ginnie Mae II MBS Certificates guaranteed by Ginnie Mae, or
2. Ginnie Mae Platinum Certificates backed by Ginnie Mae II MBS Certificates and guaranteed by Ginnie Mae.

The Trust MBS will have an original maturity of not more than 30 years or, in the case of the Group 9 and 10 Trust Assets, 40 years. Each Mortgage Loan underlying a Ginnie Mae II MBS Certificate issued prior to July 1, 2003 bears interest at a Mortgage Rate 0.50% to 1.50% per annum greater than the related Certificate Rate. Each Mortgage Loan underlying a Ginnie Mae II MBS Certificate issued on or after July 1, 2003 bears interest at a Mortgage Rate 0.25% to 0.75% per annum greater than the related Certificate Rate. Ginnie Mae receives a fee (the “Ginnie Mae Certificate Guaranty Fee”) for its guaranty of each Ginnie Mae II MBS Certificate of 0.06% per annum of the outstanding principal balance of each related Mortgage Loan. The difference between (a) the Mortgage Rate and (b) the sum of the Certificate Rate and the rate of the Ginnie Mae Certificate Guaranty Fee is used to pay the related servicers of the Mortgage Loans a monthly servicing fee.

The Underlying Certificates (Groups 1, 2, 7 and 8)

The Group 1, 2, 7 and 8 Trust Assets are Underlying Certificates that represent beneficial ownership interests in one or more separate trusts, the assets of which evidence direct or indirect beneficial

ownership interests in certain Ginnie Mae Certificates. Each Underlying Certificate constitutes all or a portion of a class of a separate Series of certificates described in the related Underlying Certificate Disclosure Document. Each Underlying Certificate Disclosure Document may be obtained from the Information Agent as described under “Available Information” in this Supplement or on ginniemae.gov. Investors are cautioned that material changes in facts and circumstances may have occurred since the date of each Underlying Certificate Disclosure Document, including changes in prepayment rates, prevailing interest rates and other economic factors, which may limit the usefulness of, and be directly contrary to the assumptions used in preparing the information included in, the offering document. See *“Underlying Certificates” in the Base Offering Circular*.

Each Underlying Certificate provides for monthly distributions and is further described in the table contained in Exhibit A to this Supplement.

The Mortgage Loans

The Mortgage Loans underlying the Group 3, 4, 5, 6, 9 and 10 Trust Assets are expected to have, on a weighted average basis, the characteristics set forth in the Terms Sheet under “Assumed Characteristics of the Mortgage Loans Underlying the Group 3, 4, 5, 6, 9 and 10 Trust Assets” and the general characteristics described in the Base Offering Circular. The Mortgage Loans will consist of first lien, single-family, fixed rate, residential mortgage loans that are insured or guaranteed by the Federal Housing Administration, the United States Department of Veterans Affairs, Rural Development (formerly the Rural Housing Service) or the United States Department of Housing and Urban Development (“HUD”). See *“The Ginnie Mae Certificates — General” in the Base Offering Circular*.

Specific information regarding the characteristics of the Mortgage Loans underlying the Trust MBS is not available. For purposes of this Supplement, certain assumptions have been made regarding the remaining terms to maturity, loan ages and Mortgage Rates of the Mortgage Loans underlying the Trust MBS. However, the actual remaining terms to maturity, loan ages and Mortgage Rates of many of the Mortgage Loans will differ from the characteristics assumed, perhaps significantly. This will be the case even if the weighted average characteristics of the Mortgage Loans are the same as the assumed characteristics. Small differences in the characteristics of the Mortgage Loans can have a significant effect on the Weighted Average Lives and yields of the Securities. See *“Risk Factors” and “Yield, Maturity and Prepayment Considerations” in this Supplement*.

The Trustee Fee

The Sponsor will contribute certain Ginnie Mae Certificates in respect of the Trustee Fee. On each Distribution Date, the Trustee will retain all principal and interest distributions received on such Ginnie Mae Certificates in payment of the Trustee Fee.

GINNIE MAE GUARANTY

The Government National Mortgage Association (“Ginnie Mae”), a wholly-owned corporate instrumentality of the United States of America within HUD, guarantees the timely payment of principal and interest on the Securities. The General Counsel of HUD has provided an opinion to the effect that Ginnie Mae has the authority to guarantee multiclass securities and that Ginnie Mae guaranties will constitute general obligations of the United States, for which the full faith and credit of the United States is pledged. See *“Ginnie Mae Guaranty” in the Base Offering Circular*.

DESCRIPTION OF THE SECURITIES

General

The description of the Securities contained in this Supplement is not complete and is subject to, and is qualified in its entirety by reference to, all of the provisions of the Trust Agreement. See *“Description of the Securities” in the Base Offering Circular*.

Form of Securities

Each Class of Securities other than the Residual Securities initially will be issued and maintained, and may be transferred only on the Fedwire Book-Entry System. Beneficial Owners of Book-Entry Securities will ordinarily hold these Securities through one or more financial intermediaries, such as banks, brokerage firms and securities clearing organizations that are eligible to maintain book-entry accounts on the Fedwire Book-Entry System. By request accompanied by the payment of a transfer fee of \$25,000 per Certificated Security to be issued, a Beneficial Owner may receive a Regular Security in certificated form.

The Residual Securities will not be issued in book-entry form but will be issued in fully registered, certificated form and may be transferred or exchanged, subject to the transfer restrictions applicable to Residual Securities set forth in the Trust Agreement, at the Corporate Trust Office of the Trustee. See *“Description of the Securities — Forms of Securities; Book-Entry Procedures” in the Base Offering Circular*.

Each Regular and MX Class (other than the Increased Minimum Denomination Classes) will be issued in minimum dollar denominations of initial principal balance of \$1,000 and integral multiples of \$1 in excess of \$1,000. The Increased Minimum Denomination Classes will be issued in minimum denominations that equal \$100,000 in initial notional balance.

Distributions

Distributions on the Securities will be made on each Distribution Date as specified under “Terms Sheet — Distribution Dates” in this Supplement. On each Distribution Date for a Security, or in the case of the Certificated Securities, on the first Business Day after the related Distribution Date, the Distribution Amount will be distributed to the Holders of record as of the related Record Date. Beneficial Owners of Book-Entry Securities will receive distributions through credits to accounts maintained for their benefit on the books and records of the appropriate financial intermediaries. Holders of Certificated Securities will receive distributions by check or, subject to the restrictions set forth in the Base Offering Circular, by wire transfer. See *“Description of the Securities — Distributions” and “— Method of Distributions” in the Base Offering Circular*.

Interest Distributions

The Interest Distribution Amount will be distributed on each Distribution Date to the Holders of all Classes of Securities entitled to distributions of interest.

- Interest will be calculated on the basis of a 360-day year consisting of twelve 30-day months.
- Interest distributable (or accrued in the case of an Accrual Class) on any Class for any Distribution Date will consist of 30 days’ interest on its Class Principal Balance (or Class Notional Balance) as of the related Record Date.
- Investors can calculate the amount of interest to be distributed (or accrued in the case of an Accrual Class) on each Class of Securities for any Distribution Date by using the Class Factors published in the preceding month. See *“— Class Factors” below*.

Categories of Classes

For purposes of interest distributions, the Classes will be categorized as shown under “Interest Type” on the front cover of this Supplement and on Schedule I to this Supplement. The abbreviations used in this Supplement to describe the interest entitlements of the Classes are explained under “Class Types” in Appendix I to the Base Offering Circular.

Accrual Periods

The Accrual Period for each Regular and MX Class is set forth in the table below:

<u>Class</u>	<u>Accrual Period</u>
Fixed Rate Classes	The calendar month preceding the related Distribution Date
Floating Rate and Inverse Floating Rate Classes	From the 20th day of the month preceding the month of the related Distribution Date through the 19th day of the month of that Distribution Date

Fixed Rate Classes

Each Fixed Rate Class will bear interest at the per annum Interest Rate shown on the front cover of this Supplement or on Schedule I to this Supplement.

Floating Rate and Inverse Floating Rate Classes

The Floating Rate and Inverse Floating Rate Classes will bear interest as shown under “Terms Sheet — Interest Rates” in this Supplement. The Interest Rates for the Floating Rate and Inverse Floating Rate Classes will be based initially on Compounded SOFR with a Corresponding Tenor of 30 days. The Trustee or its agent will determine Compounded SOFR as described under “Description of the Securities — Interest Rate Indices — Determination of SOFR” in the Base Offering Circular.

At any time, Ginnie Mae may, in its sole discretion and without the consent of security holders or any other party, designate Term SOFR and related positive or negative adjustments, spreads or methodology changes as a Replacement Rate for the Floating Rate and Inverse Floating Rate Classes and instruct the Trustee in writing to replace Compounded SOFR with such Replacement Rate for all purposes relating to such Classes in respect of such determination on such date and all determinations on subsequent dates. Ginnie Mae will not do so unless Ginnie Mae and the Trustee receive a Replacement Rate Tax Opinion. In connection with the implementation of Term SOFR as a Replacement Rate for SOFR Classes, Ginnie Mae will have the right to make other Conforming Changes from time to time without the consent of security holders or any other party, as described under “Description of the Securities — Interest Rate Indices” and “— Interest Rate Indices — Determination of SOFR — Conversion of Simple SOFR and Compounded SOFR Classes to Term SOFR” in the Base Offering Circular.

If SOFR ceases to be available or is no longer representative, a replacement rate will be selected, as described under “Description of the Securities — Interest Rate Indices — Determination of SOFR” in the Base Offering Circular.

The Trustee’s determination of Compounded SOFR and its calculation of the Interest Rates will be final except in the case of clear error. Investors can obtain Compounded SOFR levels and Interest Rates for the current and preceding Accrual Periods on ginniemae.gov or by calling the Information Agent at (800) 234-GNMA.

Accrual Classes

Each of Classes JZ, LZ and MZ is an Accrual Class. Interest will accrue on the Accrual Classes and be distributed as described under “Terms Sheet — Accrual Classes” in this Supplement.

Principal Distributions

The Principal Distribution Amount for each Group and each Accrual Amount will be distributed to the Holders entitled thereto as described under “Terms Sheet — Allocation of Principal” in this Supplement. Investors can calculate the amount of principal to be distributed with respect to any Distribution Date by using the Class Factors published in the preceding and current months. See “— Class Factors” below.

Categories of Classes

For purposes of principal distributions, the Classes will be categorized as shown under “Principal Type” on the front cover of this Supplement and on Schedule I to this Supplement. The abbreviations used in this Supplement to describe the principal entitlements of the Classes are explained under “Class Types” in Appendix I to the Base Offering Circular.

Notional Classes

The Notional Classes will not receive principal distributions. For convenience in describing interest distributions, the Notional Classes will have the original Class Notional Balances shown on the front cover of this Supplement and on Schedule I to this Supplement. The Class Notional Balances will be reduced as shown under “Terms Sheet — Notional Classes” in this Supplement.

Residual Securities

The Residual Securities will represent the beneficial ownership of the Residual Interest in the related Trust REMIC, as described in “Certain United States Federal Income Tax Consequences” in this Supplement and the Base Offering Circular. The Residual Securities have no Class Principal Balance and do not accrue interest. The Residual Securities will be entitled to receive the proceeds of the disposition of any assets remaining in the related Trust REMIC after the Class Principal Balance or Class Notional Balance of each Class of Regular Securities in the related Security Group has been reduced to zero. However, any remaining proceeds are not likely to be significant. The Residual Securities may not be transferred to a Plan Investor, a Non-U.S. Person or a Disqualified Organization.

Class Factors

The Trustee will calculate and make available for each Class of Securities, no later than the day preceding the applicable Distribution Date, the factor (carried out to eight decimal places) that when multiplied by the Original Class Principal Balance (or original Class Notional Balance) of that Class, determines the Class Principal Balance (or Class Notional Balance) after giving effect to the distribution of principal to be made on the Securities (and any addition to the Class Principal Balance of an Accrual Class) or any reduction of Class Notional Balance on that Distribution Date (each, a “Class Factor”).

- The Class Factor for any Class of Securities for each month following the issuance of the Securities will reflect its remaining Class Principal Balance (or Class Notional Balance) after giving effect to any principal distribution (or addition to principal) to be made or any reduction of Class Notional Balance on the Distribution Date occurring in that month.
- The Class Factor for each Class for the month of issuance is 1.00000000.

- The Class Factors for the MX Classes and the Classes of REMIC Securities that are exchangeable for the MX Classes will be calculated assuming that the maximum possible amount of each Class is outstanding at all times, regardless of any exchanges that may occur.
- Based on the Class Factors published in the preceding and current months (and Interest Rates), investors in any Class (other than an Accrual Class) can calculate the amount of principal and interest to be distributed to that Class and investors in an Accrual Class can calculate the total amount of principal to be distributed to (or interest to be added to the Class Principal Balance of) that Class on the Distribution Date in the current month.
- Investors may obtain current Class Factors on ginniemae.gov.

See “Description of the Securities — Distributions” in the Base Offering Circular.

Termination

The Trustee, at its option, may purchase or cause the sale of the Trust Assets and thereby terminate the Trust on any Distribution Date on which the aggregate of the Class Principal Balances of the Securities is less than 1% of the aggregate Original Class Principal Balances of the Securities. On any Distribution Date upon the Trustee’s determination that the REMIC status of any Trust REMIC has been lost or that a substantial risk exists that this status will be lost for the then current taxable year, the Trustee will terminate such Trust REMIC and retire the related Securities. For these purposes, the Trust REMICs and the Securities with corresponding numerical designations are related as follows:

<u>Trust REMICs</u>	<u>Related Securities</u>
Group 1 REMIC	Group 1 Securities
Group 2 REMIC	Group 2 Securities
Group 3 REMIC	Group 3 Securities
Group 4 REMIC	Group 4 Securities
Group 5 REMIC	Group 5 Securities
Group 6 REMIC	Group 6 Securities
Group 7 REMIC	Group 7 Securities
Group 8 REMIC	Group 8 Securities
Group 9 REMIC	Group 9 Securities
Group 10 REMIC	Group 10 Securities

Upon any termination of the Trust (or one or more related Trust REMICs), the Holder of any related outstanding Security (other than a Residual or Notional Class Security) will be entitled to receive that Holder’s allocable share of the Class Principal Balance of that Class plus any accrued and unpaid interest thereon at the applicable Interest Rate, and any Holder of any related outstanding Notional Class Security will be entitled to receive that Holder’s allocable share of any accrued and unpaid interest thereon at the applicable Interest Rate. The Residual Holders will be entitled to their pro rata share of any assets remaining in the related Trust REMIC after payment in full of the amounts described in the foregoing sentence. However, any remaining assets are not likely to be significant.

With respect to each of Security Groups 1, 2, 3, 4, 5, 6, 7, 8, 9 and 10, a Holder of all of the outstanding Regular Securities of any such Security Group and the related Class of Residual Securities will have the right to purchase the related Trust Assets upon three Business Days’ notice (the “Notice Period”). The purchase will be for cash in an amount equal to (A)(i) the aggregate remaining principal balance of the assets of such Security Group, but in no event less than the aggregate outstanding principal amount of the Securities of such Security Group, plus (ii) accrued interest on the Securities of

such Security Group, less (B) amounts on deposit in the related Trust REMIC, for distribution on the Securities of such Security Group, plus (C) a \$5,000 termination fee payable to the Trustee in connection with each Security Group to be terminated. After the Notice Period, and upon such purchase, the Trustee will terminate the related Trust REMIC. Upon such termination, the Trustee will distribute the cash proceeds of the sale of the related Trust Assets to the Holder of the related Securities (which distribution may be offset against amounts due on the sale of such assets), will cancel the Securities of the related Security Group and cause the removal from the Book-Entry Depository Account of all Classes of the related Security Group, will cancel the related Class of Residual Securities, and will credit the remaining Trust Assets in the related Security Group to the account of the surrendering Holder. Notwithstanding anything to the contrary contained herein, no such termination will be allowed unless the Trustee and Ginnie Mae are provided, at no cost to either the Trustee or Ginnie Mae, an Opinion of Counsel, acceptable to the Trustee and Ginnie Mae, to the effect that such termination constitutes a “qualified liquidation” under the REMIC Provisions, including Section 860F(a)(4) of the Code, and such termination will not result in a disqualification of any Trust REMIC that is not terminated at such time or the imposition of any “prohibited transactions” or “contributions” tax under the REMIC Provisions on any Trust REMIC that is not terminated at such time.

Modification and Exchange

All or a portion of the Classes of REMIC Securities specified on the front cover may be exchanged for a proportionate interest in the related MX Class or Classes shown on Schedule I to this Supplement. Similarly, all or a portion of the related MX Class or Classes may be exchanged for proportionate interests in the related Class or Classes of REMIC Securities and, in the case of Combinations 1 and 5, other related MX Classes. This process may occur repeatedly.

Each exchange may be effected only in proportions that result in the principal and interest entitlements of the Securities received being equal to the entitlements of the Securities surrendered.

In the case of Combinations 1 and 5, the related REMIC Securities may be exchanged for proportionate interests in various subcombinations of MX Classes. Similarly, all or a portion of these MX Classes may be exchanged for proportionate interests in the related REMIC Securities or in other subcombinations of the related MX Classes. Each subcombination may be effected only in proportions that result in the principal and interest entitlements of the Securities received being equal to the entitlements of the Securities surrendered. *See the example under “Description of the Securities — Modification and Exchange” in the Base Offering Circular.*

A Beneficial Owner proposing to effect an exchange must notify the Trustee through the Beneficial Owner’s Book-Entry Depository participant. This notice must be received by the Trustee not later than two Business Days before the proposed exchange date. The exchange date can be any Business Day other than the last Business Day of the month. The notice must contain the outstanding principal and notional balances of the Securities to be included in the exchange and the proposed exchange date. The notice is required to be delivered to the Trustee by email to USBGNMATEam@USBank.com or in writing at its Corporate Trust Office at U.S. Bank National Association, One Federal Street, 3rd Floor, Boston, MA 02110, Attention: Ginnie Mae REMIC Program Agency Group 2022-191. The Trustee may be contacted by telephone at (617) 603-6451 and by fax at (617) 603-6644.

A fee will be payable to the Trustee in connection with each exchange equal to $\frac{1}{32}$ of 1% of the outstanding principal balance of the Securities surrendered for exchange (but not less than \$2,000 or more than \$25,000). The fee must be paid concurrently with the exchange.

The first distribution on a REMIC Security or an MX Security received in an exchange will be made on the Distribution Date in the month following the month of the exchange. The distribution will be made to the Holder of record as of the Record Date in the month of exchange.

See *“Description of the Securities — Modification and Exchange” in the Base Offering Circular.*

YIELD, MATURITY AND PREPAYMENT CONSIDERATIONS

General

The prepayment experience of the Mortgage Loans will affect the Weighted Average Lives of and the yields realized by investors in the related Securities.

- The Mortgage Loans do not contain “due-on-sale” provisions, and any Mortgage Loan may be prepaid in full or in part at any time without penalty.
- The rate of payments (including prepayments and payments in respect of liquidations) on the Mortgage Loans is dependent on a variety of economic, geographic, social and other factors, including prevailing market interest rates and general economic factors.

The rate of prepayments with respect to single-family mortgage loans has fluctuated significantly in recent years. Although there is no assurance that prepayment patterns for the Mortgage Loans will conform to patterns for more traditional types of conventional fixed rate mortgage loans, generally:

- if mortgage interest rates fall materially below the Mortgage Rates on any of the Mortgage Loans (giving consideration to the cost of refinancing), the rate of prepayment of those Mortgage Loans would be expected to increase; and
- if mortgage interest rates rise materially above the Mortgage Rates on any of the Mortgage Loans, the rate of prepayment of those Mortgage Loans would be expected to decrease.

In addition, following any Mortgage Loan default and the subsequent liquidation of the underlying Mortgaged Property, the principal balance of the Mortgage Loan will be distributed through a combination of liquidation proceeds, advances from the related Ginnie Mae Issuer and, to the extent necessary, proceeds of Ginnie Mae’s guaranty of the Ginnie Mae Certificates. As a result, defaults experienced on the Mortgage Loans will accelerate the distribution of principal of the Securities.

The terms of the Mortgage Loans may be modified to permit, among other things, a partial release of security, which releases a portion of the mortgaged property from the lien securing the related Mortgage Loan. Partial releases of security may allow the related borrower to sell the released property and generate proceeds that may be used to prepay the related Mortgage Loan in whole or in part.

Under certain circumstances, the Trustee has the option to purchase the Trust Assets, thereby effecting early retirement of the Securities. See *“Description of the Securities — Termination” in this Supplement.*

Investors in the Group 1, 2, 7 and 8 Securities are urged to review the discussion under *“Risk Factors — The rate of payments on the underlying certificates will directly affect the rate of payments on the group 1, 2, 7 and 8 securities”* in this Supplement.

Accretion Directed Classes

Classes JV, LV and MV are Accretion Directed Classes. The related Accrual Amount will be applied to making principal distributions on those Classes as described in this Supplement.

Each of the Accretion Directed Classes has the AD designation in the suffix position, rather than the prefix position, in its class principal type because it does not have principal payment stability through the applicable pricing prepayment assumption. Classes JV, LV and MV will have principal payment stability only through the prepayment rate shown in the table below.

The Accretion Directed Classes are entitled to principal payments in an amount equal to interest accrued on the related Accrual Class. The Weighted Average Life of each such Class cannot exceed its Weighted Average Life as shown in the following table under any constant prepayment scenario, even a scenario where there are no prepayments.

- Moreover, based on the Modeling Assumptions, if the related Mortgage Loans prepay at any constant rate at or below the rate for an Accretion Directed Class shown in the table below, the Class Principal Balance of such Class would be reduced to zero on, but not before, its Final Distribution Date, and the Weighted Average Life of such Class would equal its maximum Weighted Average Life shown in the table below.
- However, the Weighted Average Lives of Classes JV, LV and MV will be reduced at prepayment speeds higher than the constant rates shown in the table below. See “Yield, Maturity and Prepayment Considerations — Decrement Tables” in this Supplement.

Accretion Directed Classes

Security Group	Class	Maximum Weighted Average Life (in years) ⁽¹⁾	Final Distribution Date	Prepayment Rate at or below
4	JV	6.0	October 2033	235% PSA
5	MV	6.0	September 2033	225% PSA
6	LV	6.0	November 2033	111% PSA

⁽¹⁾ The maximum Weighted Average Life for each Class shown in this table is based on the Modeling Assumptions and the assumption that the related Mortgage Loans prepay at any constant rate at or below the rate shown in the table for such Class.

The Mortgage Loans will have characteristics that differ from those of the Modeling Assumptions. Therefore, even if the related Mortgage Loans prepay at a rate at or somewhat below the “at or below” rate shown for any Accretion Directed Class, the Class Principal Balance of such Class could be reduced to zero before its Final Distribution Date, and its Weighted Average Life could be shortened.

Assumability

Each Mortgage Loan may be assumed, subject to HUD review and approval, upon the sale of the related Mortgaged Property. See “Yield, Maturity and Prepayment Considerations — Assumability of Government Loans” in the Base Offering Circular.

Final Distribution Date

The Final Distribution Date for each Class, which is set forth on the front cover of this Supplement or on Schedule I to this Supplement, is the latest date on which the related Class Principal Balance or Class Notional Balance will be reduced to zero.

- The actual retirement of any Class may occur earlier than its Final Distribution Date.
- According to the terms of the Ginnie Mae Guaranty, Ginnie Mae will guarantee payment in full of the Class Principal Balance of each Class of Securities no later than its Final Distribution Date.

Modeling Assumptions

Unless otherwise indicated, the tables that follow have been prepared on the basis of the characteristics of the Underlying Certificates, the priorities of distributions on the Underlying Certificates and the following assumptions (the “Modeling Assumptions”), among others:

1. The Mortgage Loans underlying the Group 3, 4, 5, 6, 9 and 10 Trust Assets have the assumed characteristics shown under “Assumed Characteristics of the Mortgage Loans Underlying the Group 3, 4, 5, 6, 9 and 10 Trust Assets” in the Terms Sheet, except in the case of information set forth under the 0% PSA Prepayment Assumption Rate, for which each Mortgage Loan underlying a Group 3, 4, 5 or 6 Trust Asset is assumed to have an original and a remaining term to maturity of 360 months, each Mortgage Loan underlying a Group 9 or 10 Trust Asset is assumed to have an original and remaining term to maturity of 480 months and each Mortgage Loan underlying a Group 3, 4, 5, 6, 9 or 10 Trust Asset is assumed to have a Mortgage Rate of 1.50% per annum higher than the related Certificate Rate.

2. The Mortgage Loans prepay at the constant percentages of PSA (described below) shown in the related table.

3. Distributions on the Group 1, 2, 3, 4, 5, 6, 7, 9 and 10 Securities are always received on the 20th day of the month, and distributions on the Group 8 Securities are always received on the 16th day of the month, in each case, whether or not a Business Day, commencing in December 2022.

4. A termination of the Trust, any Trust REMIC or any Underlying Trust does not occur.

5. The Closing Date for the Securities is November 30, 2022.

6. No expenses or fees are paid by the Trust other than the Trustee Fee, which is paid as described under “The Trust Assets — The Trustee Fee” in this Supplement.

7. Distributions on the Underlying Certificates are made as described in the related Underlying Certificate Disclosure Documents.

8. Each Class is held from the Closing Date and is not exchanged in whole or in part.

When reading the tables and the related text, investors should bear in mind that the Modeling Assumptions, like any other stated assumptions, are unlikely to be entirely consistent with actual experience.

- For example, most of the Mortgage Loans will not have the characteristics assumed, many Distribution Dates will occur on a Business Day after the 16th or 20th day of the month, as applicable, and the Trustee may cause a termination of the Trust as described under “Description of the Securities — Termination” in this Supplement.
- In addition, distributions on the Securities are based on Certificate Factors and Calculated Certificate Factors, as applicable, which may not reflect actual receipts on the Trust Assets.

See “Description of the Securities — Distributions” in the Base Offering Circular.

Decrement Tables

Prepayments of mortgage loans are commonly measured by a prepayment standard or model. The model used in this Supplement, Prepayment Speed Assumption (“PSA”), is the standard prepayment assumption model of The Securities Industry and Financial Markets Association. PSA represents an assumed rate of prepayment each month relative to the then outstanding principal balance of the Mortgage Loans to which the model is applied. *See “Yield, Maturity and Prepayment Considerations — Standard Prepayment Assumption Models” in the Base Offering Circular.*

The decrement tables set forth below are based on the assumption that the Mortgage Loans prepay at the indicated percentages of PSA (the “PSA Prepayment Assumption Rates”). As used in the tables, each of the PSA Prepayment Assumption Rates reflects a percentage of the 100% PSA assumed prepayment rate. **The Mortgage Loans will not prepay at any of the PSA Prepayment Assumption Rates, and the timing of changes in the rate of prepayments actually experienced on the Mortgage Loans will not follow the pattern described for the PSA assumption.**

The decrement tables set forth below illustrate the percentage of the Original Class Principal Balance (or, in the case of a Notional Class, the original Class Notional Balance) that would remain outstanding following the distribution made each specified month for each Regular or MX Class, based on the assumption that the related Mortgage Loans prepay at the PSA Prepayment Assumption Rates. The percentages set forth in the following decrement tables have been rounded to the nearest whole percentage (including rounding down to zero).

The decrement tables also indicate the Weighted Average Life of each Class under each PSA Prepayment Assumption Rate. The Weighted Average Life of each Class is calculated by:

- (a) multiplying the net reduction, if any, of the Class Principal Balance (or the net reduction of the Class Notional Balance, in the case of a Notional Class) from one Distribution Date to the next Distribution Date by the number of years from the date of issuance thereof to the related Distribution Date,
- (b) summing the results, and
- (c) dividing the sum by the aggregate amount of the assumed net reductions in principal balance or notional balance, as applicable, referred to in clause (a).

The information shown for each Notional Class is for illustrative purposes only, as a Notional Class is not entitled to distributions of principal and has no Weighted Average Life. The Weighted Average Life shown for each Notional Class has been calculated on the assumption that a reduction in the Class Notional Balance thereof is a distribution of principal.

The Weighted Average Lives are likely to vary, perhaps significantly, from those set forth in the tables below due to the differences between the actual characteristics of the Mortgage Loans underlying the related Trust Assets and the Modeling Assumptions.

Percentages of Original Class Principal (or Class Notional) Balances and Weighted Average Lives

Security Group 1 PSA Prepayment Assumption Rates

Distribution Date	Class A					Class B				
	0%	100%	175%	300%	400%	0%	100%	175%	300%	400%
Initial Percent	100	100	100	100	100	100	100	100	100	100
November 2023	93	82	74	60	49	100	100	100	100	100
November 2024	85	65	50	28	11	100	100	100	100	100
November 2025	77	49	30	2	0	100	100	100	100	82
November 2026	68	34	12	0	0	100	100	100	80	59
November 2027	59	20	0	0	0	100	100	96	62	42
November 2028	49	7	0	0	0	100	100	80	47	30
November 2029	39	0	0	0	0	100	94	66	36	21
November 2030	29	0	0	0	0	100	81	55	27	15
November 2031	18	0	0	0	0	100	69	44	20	10
November 2032	7	0	0	0	0	100	58	35	15	7
November 2033	0	0	0	0	0	94	47	28	11	5
November 2034	0	0	0	0	0	79	38	21	7	3
November 2035	0	0	0	0	0	64	29	15	5	2
November 2036	0	0	0	0	0	49	21	10	3	1
November 2037	0	0	0	0	0	32	13	6	2	1
November 2038	0	0	0	0	0	15	6	3	1	0
November 2039	0	0	0	0	0	0	0	0	0	0
November 2040	0	0	0	0	0	0	0	0	0	0
November 2041	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	5.7	3.0	2.1	1.4	1.1	13.9	11.1	9.1	6.7	5.3

Security Group 2 PSA Prepayment Assumption Rates

Distribution Date	Class BA					Class BY				
	0%	100%	175%	300%	400%	0%	100%	175%	300%	400%
Initial Percent	100	100	100	100	100	100	100	100	100	100
November 2023	92	82	74	60	49	100	100	100	100	100
November 2024	85	65	50	28	12	100	100	100	100	100
November 2025	76	48	30	3	0	100	100	100	100	82
November 2026	68	34	12	0	0	100	100	100	80	59
November 2027	58	20	0	0	0	100	100	96	62	42
November 2028	49	6	0	0	0	100	100	80	47	30
November 2029	39	0	0	0	0	100	93	66	36	21
November 2030	28	0	0	0	0	100	80	54	27	15
November 2031	17	0	0	0	0	100	68	44	20	10
November 2032	5	0	0	0	0	100	57	35	14	7
November 2033	0	0	0	0	0	92	46	27	10	4
November 2034	0	0	0	0	0	77	37	20	7	3
November 2035	0	0	0	0	0	62	27	15	5	2
November 2036	0	0	0	0	0	45	19	10	3	1
November 2037	0	0	0	0	0	29	11	5	1	0
November 2038	0	0	0	0	0	11	4	2	0	0
November 2039	0	0	0	0	0	0	0	0	0	0
November 2040	0	0	0	0	0	0	0	0	0	0
November 2041	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	5.7	3.0	2.1	1.4	1.1	13.7	11.0	9.0	6.6	5.3

**Security Group 3
PSA Prepayment Assumption Rates**

Distribution Date	Classes FC and SC				
	0%	100%	300%	450%	600%
Initial Percent	100	100	100	100	100
November 2023	99	98	95	93	91
November 2024	98	93	84	77	70
November 2025	97	87	68	56	45
November 2026	96	80	55	40	29
November 2027	95	75	45	29	18
November 2028	94	69	36	21	11
November 2029	92	64	29	15	7
November 2030	91	59	23	11	5
November 2031	89	54	19	8	3
November 2032	88	50	15	6	2
November 2033	86	46	12	4	1
November 2034	84	42	10	3	1
November 2035	82	38	8	2	0
November 2036	79	35	6	1	0
November 2037	77	32	5	1	0
November 2038	74	29	4	1	0
November 2039	71	26	3	0	0
November 2040	68	23	2	0	0
November 2041	64	20	2	0	0
November 2042	60	18	1	0	0
November 2043	56	16	1	0	0
November 2044	52	13	1	0	0
November 2045	47	11	1	0	0
November 2046	42	10	0	0	0
November 2047	36	8	0	0	0
November 2048	30	6	0	0	0
November 2049	23	4	0	0	0
November 2050	16	3	0	0	0
November 2051	8	1	0	0	0
November 2052	0	0	0	0	0
Weighted Average Life (years)	20.5	11.6	5.8	4.2	3.3

**Security Group 4
PSA Prepayment Assumption Rates**

Distribution Date	Classes JA, JC, JD, JE, JG and JI					Class JB					Class JV					Class JZ					
	0%	100%	250%	400%	500%	0%	100%	250%	400%	500%	0%	100%	250%	400%	500%	0%	100%	250%	400%	500%	
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
November 2023	99	96	93	90	88	100	100	100	100	100	93	93	93	93	93	106	106	106	106	106	106
November 2024	97	90	80	70	64	100	100	100	100	100	86	86	86	86	86	112	112	112	112	112	112
November 2025	96	82	64	47	38	100	100	100	100	100	78	78	78	78	78	118	118	118	118	118	118
November 2026	94	74	49	30	19	100	100	100	100	100	70	70	70	70	70	125	125	125	125	125	125
November 2027	93	67	38	17	6	100	100	100	100	100	61	61	61	61	61	132	132	132	132	132	132
November 2028	91	60	28	7	0	100	100	100	100	87	52	52	52	52	24	139	139	139	139	139	139
November 2029	89	53	19	0	0	100	100	100	97	60	43	43	43	35	0	147	147	147	147	147	109
November 2030	87	47	12	0	0	100	100	100	72	41	32	32	32	0	0	155	155	155	130	74	74
November 2031	85	41	6	0	0	100	100	100	53	28	22	22	22	0	0	164	164	164	97	51	51
November 2032	83	36	1	0	0	100	100	100	39	19	10	10	10	0	0	173	173	173	72	35	35
November 2033	80	31	0	0	0	100	100	88	29	13	0	0	0	0	0	182	182	160	53	24	24
November 2034	77	26	0	0	0	100	100	72	21	9	0	0	0	0	0	182	182	131	39	16	16
November 2035	75	22	0	0	0	100	100	59	16	6	0	0	0	0	0	182	182	108	29	11	11
November 2036	72	18	0	0	0	100	100	49	12	4	0	0	0	0	0	182	182	88	21	7	7
November 2037	68	14	0	0	0	100	100	40	8	3	0	0	0	0	0	182	182	72	15	5	5
November 2038	65	10	0	0	0	100	100	32	6	2	0	0	0	0	0	182	182	58	11	3	3
November 2039	61	6	0	0	0	100	100	26	4	1	0	0	0	0	0	182	182	47	8	2	2
November 2040	57	3	0	0	0	100	100	21	3	1	0	0	0	0	0	182	182	38	6	1	1
November 2041	52	0	0	0	0	100	100	17	2	1	0	0	0	0	0	182	182	30	4	1	1
November 2042	48	0	0	0	0	100	88	13	2	0	0	0	0	0	0	182	160	24	3	1	1
November 2043	43	0	0	0	0	100	76	10	1	0	0	0	0	0	0	182	138	19	2	0	0
November 2044	37	0	0	0	0	100	65	8	1	0	0	0	0	0	0	182	117	14	1	0	0
November 2045	32	0	0	0	0	100	54	6	1	0	0	0	0	0	0	182	98	11	1	0	0
November 2046	25	0	0	0	0	100	44	4	0	0	0	0	0	0	0	182	80	8	1	0	0
November 2047	19	0	0	0	0	100	35	3	0	0	0	0	0	0	0	182	63	6	0	0	0
November 2048	12	0	0	0	0	100	26	2	0	0	0	0	0	0	0	182	47	4	0	0	0
November 2049	4	0	0	0	0	100	18	1	0	0	0	0	0	0	0	182	32	2	0	0	0
November 2050	0	0	0	0	0	81	10	1	0	0	0	0	0	0	0	148	18	1	0	0	0
November 2051	0	0	0	0	0	42	3	0	0	0	0	0	0	0	0	76	5	0	0	0	0
November 2052	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	17.9	8.3	4.4	3.1	2.7	28.8	23.7	15.0	10.2	8.3	6.0	6.0	6.0	5.2	4.6	28.8	23.7	15.2	10.8	8.9	8.9

**Security Group 5
PSA Prepayment Assumption Rates**

Distribution Date	Class MA					Class MB					Class MV					Class MZ				
	0%	100%	275%	450%	600%	0%	100%	275%	450%	600%	0%	100%	275%	450%	600%	0%	100%	275%	450%	600%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
November 2023	99	97	93	90	87	100	100	100	100	100	93	93	93	93	93	106	106	106	106	106
November 2024	98	90	79	69	60	100	100	100	100	100	86	86	86	86	86	113	113	113	113	113
November 2025	96	82	61	43	29	100	100	100	100	100	78	78	78	78	78	120	120	120	120	120
November 2026	95	74	46	24	9	100	100	100	100	100	70	70	70	70	70	127	127	127	127	127
November 2027	93	67	33	10	0	100	100	100	100	84	62	62	62	62	29	135	135	135	135	135
November 2028	92	60	23	0	0	100	100	100	99	53	52	52	52	50	0	143	143	143	143	101
November 2029	90	53	14	0	0	100	100	100	71	33	43	43	43	0	0	152	152	152	135	64
November 2030	88	47	7	0	0	100	100	100	51	21	32	32	32	0	0	161	161	161	97	40
November 2031	86	41	1	0	0	100	100	100	36	13	21	21	21	0	0	171	171	171	69	25
November 2032	83	36	0	0	0	100	100	84	26	8	10	10	0	0	0	182	182	160	49	16
November 2033	81	30	0	0	0	100	100	68	18	5	0	0	0	0	0	191	191	130	35	10
November 2034	78	26	0	0	0	100	100	55	13	3	0	0	0	0	0	191	191	106	25	6
November 2035	75	21	0	0	0	100	100	45	9	2	0	0	0	0	0	191	191	85	18	4
November 2036	72	17	0	0	0	100	100	36	6	1	0	0	0	0	0	191	191	69	12	2
November 2037	69	13	0	0	0	100	100	29	5	1	0	0	0	0	0	191	191	55	9	1
November 2038	66	9	0	0	0	100	100	23	3	0	0	0	0	0	0	191	191	44	6	1
November 2039	62	5	0	0	0	100	100	18	2	0	0	0	0	0	0	191	191	35	4	1
November 2040	58	2	0	0	0	100	100	15	2	0	0	0	0	0	0	191	191	28	3	0
November 2041	53	0	0	0	0	100	95	12	1	0	0	0	0	0	0	191	181	22	2	0
November 2042	48	0	0	0	0	100	83	9	1	0	0	0	0	0	0	191	159	17	1	0
November 2043	43	0	0	0	0	100	72	7	0	0	0	0	0	0	0	191	138	13	1	0
November 2044	38	0	0	0	0	100	62	5	0	0	0	0	0	0	0	191	119	10	1	0
November 2045	32	0	0	0	0	100	53	4	0	0	0	0	0	0	0	191	100	8	0	0
November 2046	25	0	0	0	0	100	43	3	0	0	0	0	0	0	0	191	83	6	0	0
November 2047	18	0	0	0	0	100	35	2	0	0	0	0	0	0	0	191	67	4	0	0
November 2048	11	0	0	0	0	100	27	1	0	0	0	0	0	0	0	191	51	3	0	0
November 2049	3	0	0	0	0	100	19	1	0	0	0	0	0	0	0	191	37	2	0	0
November 2050	0	0	0	0	0	76	12	1	0	0	0	0	0	0	0	145	23	1	0	0
November 2051	0	0	0	0	0	39	5	0	0	0	0	0	0	0	0	75	10	0	0	0
November 2052	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average																				
Life (years)	18.0	8.2	4.1	2.9	2.4	28.7	23.6	13.7	8.9	6.8	6.0	6.0	5.9	4.8	4.1	28.7	23.6	14.0	9.7	7.5

**Security Group 6
PSA Prepayment Assumption Rates**

Distribution Date	Class LA					Class LB					Class LD				
	0%	100%	225%	350%	500%	0%	100%	225%	350%	500%	0%	100%	225%	350%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
November 2023	91	78	64	49	32	100	100	100	100	100	100	100	100	100	100
November 2024	82	38	0	0	0	100	100	100	100	100	100	100	97	84	68
November 2025	72	0	0	0	0	100	100	100	100	100	100	96	70	46	21
November 2026	62	0	0	0	0	100	100	100	100	85	100	82	47	16	0
November 2027	51	0	0	0	0	100	100	100	92	58	100	69	26	0	0
November 2028	39	0	0	0	0	100	100	100	71	40	100	57	9	0	0
November 2029	26	0	0	0	0	100	100	93	55	28	100	45	0	0	0
November 2030	13	0	0	0	0	100	100	79	43	19	100	34	0	0	0
November 2031	0	0	0	0	0	100	100	66	33	13	99	24	0	0	0
November 2032	0	0	0	0	0	100	100	56	25	9	95	15	0	0	0
November 2033	0	0	0	0	0	100	100	47	19	6	91	6	0	0	0
November 2034	0	0	0	0	0	100	97	39	15	4	86	0	0	0	0
November 2035	0	0	0	0	0	100	88	33	11	3	80	0	0	0	0
November 2036	0	0	0	0	0	100	80	27	9	2	75	0	0	0	0
November 2037	0	0	0	0	0	100	72	23	6	1	69	0	0	0	0
November 2038	0	0	0	0	0	100	64	19	5	1	62	0	0	0	0
November 2039	0	0	0	0	0	100	57	15	4	1	56	0	0	0	0
November 2040	0	0	0	0	0	100	51	13	3	0	48	0	0	0	0
November 2041	0	0	0	0	0	100	45	10	2	0	41	0	0	0	0
November 2042	0	0	0	0	0	100	39	8	1	0	32	0	0	0	0
November 2043	0	0	0	0	0	100	34	7	1	0	23	0	0	0	0
November 2044	0	0	0	0	0	100	29	5	1	0	14	0	0	0	0
November 2045	0	0	0	0	0	100	24	4	1	0	4	0	0	0	0
November 2046	0	0	0	0	0	92	20	3	0	0	0	0	0	0	0
November 2047	0	0	0	0	0	79	16	2	0	0	0	0	0	0	0
November 2048	0	0	0	0	0	65	12	2	0	0	0	0	0	0	0
November 2049	0	0	0	0	0	51	8	1	0	0	0	0	0	0	0
November 2050	0	0	0	0	0	35	5	1	0	0	0	0	0	0	0
November 2051	0	0	0	0	0	18	2	0	0	0	0	0	0	0	0
November 2052	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average															
Life (years)	4.9	1.7	1.2	0.9	0.8	26.9	18.9	12.0	8.5	6.2	17.3	6.8	4.0	3.0	2.4

PSA Prepayment Assumption Rates

Distribution Date	Class LV					Class LZ				
	0%	100%	225%	350%	500%	0%	100%	225%	350%	500%
	Initial Percent	100	100	100	100	100	100	100	100	100
November 2023	93	93	93	93	93	105	105	105	105	105
November 2024	86	86	86	86	86	110	110	110	110	110
November 2025	78	78	78	78	78	116	116	116	116	116
November 2026	70	70	70	70	34	122	122	122	122	122
November 2027	61	61	61	42	0	128	128	128	128	101
November 2028	52	52	52	0	0	135	135	135	123	69
November 2029	43	43	27	0	0	142	142	142	95	48
November 2030	33	33	0	0	0	149	149	136	74	33
November 2031	22	22	0	0	0	157	157	115	57	22
November 2032	11	11	0	0	0	165	165	97	44	15
November 2033	0	0	0	0	0	173	173	81	33	10
November 2034	0	0	0	0	0	173	167	68	26	7
November 2035	0	0	0	0	0	173	152	57	19	5
November 2036	0	0	0	0	0	173	137	47	15	3
November 2037	0	0	0	0	0	173	124	39	11	2
November 2038	0	0	0	0	0	173	111	32	8	1
November 2039	0	0	0	0	0	173	99	27	6	1
November 2040	0	0	0	0	0	173	88	22	5	1
November 2041	0	0	0	0	0	173	78	18	4	0
November 2042	0	0	0	0	0	173	68	14	3	0
November 2043	0	0	0	0	0	173	59	11	2	0
November 2044	0	0	0	0	0	173	50	9	1	0
November 2045	0	0	0	0	0	173	42	7	1	0
November 2046	0	0	0	0	0	160	34	5	1	0
November 2047	0	0	0	0	0	137	27	4	0	0
November 2048	0	0	0	0	0	113	21	3	0	0
November 2049	0	0	0	0	0	88	15	2	0	0
November 2050	0	0	0	0	0	60	9	1	0	0
November 2051	0	0	0	0	0	31	3	0	0	0
November 2052	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	6.0	6.0	5.2	4.2	3.4	26.9	18.9	13.0	9.5	7.1

**Security Group 7
PSA Prepayment Assumption Rates**

Distribution Date	Class G				
	0%	100%	175%	300%	400%
Initial Percent	100	100	100	100	100
November 2023	96	90	86	78	72
November 2024	91	80	73	61	52
November 2025	86	71	62	47	37
November 2026	81	63	52	36	26
November 2027	76	55	43	27	18
November 2028	70	48	36	20	13
November 2029	64	41	29	15	9
November 2030	58	35	23	11	6
November 2031	51	29	18	8	4
November 2032	44	23	14	6	3
November 2033	37	18	10	4	2
November 2034	29	13	7	3	1
November 2035	21	9	5	2	1
November 2036	13	5	3	1	0
November 2037	5	2	1	0	0
November 2038	0	0	0	0	0
November 2039	0	0	0	0	0
November 2040	0	0	0	0	0
Weighted Average Life (years)	8.7	6.3	5.1	3.7	2.9

**Security Group 8
PSA Prepayment Assumption Rates**

**Classes H, HA, HB, HC, HD, HE, HG, HI, HJ,
HK and HM**

Distribution Date	0%	100%	175%	300%	400%
Initial Percent	100	100	100	100	100
November 2023	92	86	82	75	70
November 2024	83	74	67	56	48
November 2025	75	62	53	41	33
November 2026	65	51	42	29	22
November 2027	55	40	32	20	14
November 2028	45	31	23	14	9
November 2029	34	22	16	8	5
November 2030	22	14	9	5	2
November 2031	10	6	4	2	1
November 2032	2	1	1	0	0
November 2033	0	0	0	0	0
November 2034	0	0	0	0	0
November 2035	0	0	0	0	0
November 2036	0	0	0	0	0
November 2037	0	0	0	0	0
Weighted Average Life (years)	5.3	4.4	3.8	3.0	2.5

**Security Group 9
PSA Prepayment Assumption Rates**

Class AT

Distribution Date	0%	100%	200%	300%	400%
Initial Percent	100	100	100	100	100
November 2023	100	98	96	94	93
November 2024	99	93	87	82	77
November 2025	98	87	77	67	58
November 2026	98	81	67	55	44
November 2027	97	76	58	44	33
November 2028	97	70	51	36	25
November 2029	96	66	44	29	19
November 2030	95	61	39	24	14
November 2031	94	57	34	19	11
November 2032	93	53	29	16	8
November 2033	92	49	25	13	6
November 2034	91	45	22	10	4
November 2035	90	42	19	8	3
November 2036	89	39	17	7	3
November 2037	88	36	14	5	2
November 2038	87	33	12	4	1
November 2039	85	31	11	3	1
November 2040	84	28	9	3	1
November 2041	82	26	8	2	1
November 2042	80	24	7	2	0
November 2043	78	22	6	1	0
November 2044	76	20	5	1	0
November 2045	74	18	4	1	0
November 2046	72	16	4	1	0
November 2047	69	15	3	1	0
November 2048	66	13	3	0	0
November 2049	64	12	2	0	0
November 2050	60	10	2	0	0
November 2051	57	9	1	0	0
November 2052	54	8	1	0	0
November 2053	50	7	1	0	0
November 2054	46	6	1	0	0
November 2055	41	5	1	0	0
November 2056	36	4	0	0	0
November 2057	31	3	0	0	0
November 2058	26	3	0	0	0
November 2059	20	2	0	0	0
November 2060	14	1	0	0	0
November 2061	7	0	0	0	0
November 2062	0	0	0	0	0
Weighted Average Life (years)	28.3	13.2	8.1	5.8	4.6

**Security Group 10
PSA Prepayment Assumption Rates**

Distribution Date	Class BT				
	0%	100%	225%	350%	500%
Initial Percent	100	100	100	100	100
November 2023	100	98	96	93	91
November 2024	99	93	86	80	72
November 2025	99	87	74	63	50
November 2026	98	81	64	49	35
November 2027	98	76	55	39	24
November 2028	97	71	47	30	17
November 2029	96	66	40	24	12
November 2030	96	61	35	19	8
November 2031	95	57	30	14	6
November 2032	94	53	25	11	4
November 2033	93	49	22	9	3
November 2034	92	46	18	7	2
November 2035	91	42	16	5	1
November 2036	90	39	13	4	1
November 2037	89	36	11	3	1
November 2038	88	34	10	3	0
November 2039	86	31	8	2	0
November 2040	85	29	7	2	0
November 2041	83	26	6	1	0
November 2042	82	24	5	1	0
November 2043	80	22	4	1	0
November 2044	78	20	4	1	0
November 2045	76	18	3	0	0
November 2046	73	17	2	0	0
November 2047	71	15	2	0	0
November 2048	68	14	2	0	0
November 2049	65	12	1	0	0
November 2050	62	11	1	0	0
November 2051	59	10	1	0	0
November 2052	55	8	1	0	0
November 2053	52	7	1	0	0
November 2054	47	6	0	0	0
November 2055	43	5	0	0	0
November 2056	38	4	0	0	0
November 2057	33	3	0	0	0
November 2058	27	3	0	0	0
November 2059	21	2	0	0	0
November 2060	15	1	0	0	0
November 2061	8	0	0	0	0
November 2062	0	0	0	0	0
Weighted Average					
Life (years)	28.8	13.3	7.4	5.1	3.8

Yield Considerations

An investor seeking to maximize yield should make a decision whether to invest in any Regular or MX Class based on:

- the anticipated yield of that Class resulting from its purchase price,
- the investor’s own projection of Mortgage Loan prepayment rates under a variety of scenarios,
- in the case of the Group 1, 2, 7 and 8 Securities, the investor’s own projection of payment rates on the Underlying Certificates under a variety of scenarios and
- in the case of a Floating Rate or an Inverse Floating Rate Class, the investor’s own projection of levels of Compounded SOFR under a variety of scenarios.

No representation is made regarding Mortgage Loan prepayment rates, Underlying Certificate payment rates, Compounded SOFR levels or the yield of any Class.

Prepayments: Effect on Yields

The yields to investors will be sensitive in varying degrees to the rate of prepayments on the related Mortgage Loans.

- In the case of Regular Securities or MX Securities purchased at a premium (especially the Interest Only Classes), faster than anticipated rates of principal payments could result in actual yields to investors that are lower than the anticipated yields.
- Investors in the Interest Only Classes should also consider the risk that rapid rates of principal payments could result in the failure of investors to recover fully their investments.
- In the case of Regular Securities or MX Securities purchased at a discount, slower than anticipated rates of principal payments could result in actual yields to investors that are lower than the anticipated yields.

See “Risk Factors — Rates of principal payments can reduce your yield” in this Supplement.

Rapid rates of prepayments on the Mortgage Loans are likely to coincide with periods of low prevailing interest rates.

During periods of low prevailing interest rates, the yields at which an investor may be able to reinvest amounts received as principal payments on the investor’s Class of Securities may be lower than the yield on that Class.

Slow rates of prepayments on the Mortgage Loans are likely to coincide with periods of high prevailing interest rates.

During periods of high prevailing interest rates, the amount of principal payments available to an investor for reinvestment at those high rates may be relatively low.

The Mortgage Loans will not prepay at any constant rate until maturity, nor will all of the Mortgage Loans underlying any Trust Asset Group prepay at the same rate at any one time. The timing of changes in the rate of prepayments may affect the actual yield to an investor, even if the average rate of principal prepayments is consistent with the investor’s expectation. In general, the earlier a prepayment of principal on the Mortgage Loans, the greater the effect on an investor’s yield. As a result, the effect on an investor’s yield of principal prepayments occurring at a rate higher (or lower) than the rate anticipated by the investor during the period immediately following the Closing Date is not likely to be offset by a later equivalent reduction (or increase) in the rate of principal prepayments.

Compounded SOFR: Effect on Yields of the Floating Rate and Inverse Floating Rate Classes

Low levels of Compounded SOFR can reduce the yield of the Floating Rate Class. High levels of Compounded SOFR can reduce the yield of the Inverse Floating Rate Class. In addition, the Floating Rate Class will not necessarily benefit from a higher yield at high levels of Compounded SOFR because the rate on such Class is capped at a maximum rate described under “Terms Sheet — Interest Rates.”

Payment Delay: Effect on Yields of the Fixed Rate Classes

The effective yield on any Fixed Rate Class will be less than the yield otherwise produced by its Interest Rate and purchase price because, on each Distribution Date, 30 days’ interest will be payable on (or added to the principal amount of) that Class even though interest began to accrue approximately 46 or 50 days earlier, as applicable.

Yield Tables

The following tables show the pre-tax yields to maturity on a corporate bond equivalent basis of specified Classes at various constant percentages of PSA and, in the case of the Inverse Floating Rate Class, at various constant levels of Compounded SOFR.

The Mortgage Loans will not prepay at any constant rate until maturity, and it is unlikely that Compounded SOFR will remain constant. Moreover, it is likely that the Mortgage Loans will experience actual prepayment rates that differ from those of the Modeling Assumptions. **Therefore, the actual pre-tax yield of any Class may differ from those shown in the applicable table below for that Class even if the Class is purchased at the assumed price shown.**

The yields were calculated by

1. determining the monthly discount rates that, when applied to the applicable assumed streams of cash flows to be paid on the applicable Class, would cause the discounted present value of the assumed streams of cash flows to equal the assumed purchase price of that Class plus accrued interest, and
2. converting the monthly rates to corporate bond equivalent rates.

These calculations do not take into account variations that may occur in the interest rates at which investors may be able to reinvest funds received by them as distributions on their Securities and consequently do not purport to reflect the return on any investment in any Class when those reinvestment rates are considered.

The information set forth in the following tables was prepared on the basis of the Modeling Assumptions and the assumptions that (1) the Interest Rate applicable to the Inverse Floating Rate Class for each Accrual Period following the first Accrual Period will be based on the indicated level of Compounded SOFR and (2) the purchase price of each Class (expressed as a percentage of original Class Notional Balance) plus accrued interest is as indicated in the related table. **The assumed purchase price is not necessarily that at which actual sales will occur.**

SECURITY GROUP 3

Sensitivity of Class SC to Prepayments Assumed Price 3.0%*

Compounded SOFR	PSA Prepayment Assumption Rates			
	100%	300%	450%	600%
2.050%	143.1%	136.1%	130.8%	125.5%
3.050%	96.1%	88.5%	82.7%	76.9%
4.325%	41.6%	32.5%	25.5%	18.4%
5.600% and above	**	**	**	**

SECURITY GROUP 4

Sensitivity of Class JI to Prepayments Assumed Price 13.0%*

PSA Prepayment Assumption Rates				
100%	250%	400%	500%	571%
36.5%	25.7%	13.8%	5.7%	0.0%

SECURITY GROUP 8

Sensitivity of Class HI to Prepayments Assumed Price 14.5%*

PSA Prepayment Assumption Rates				
100%	175%	300%	308%	400%
14.6%	9.5%	0.6%	0.1%	(6.7)%

* The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table.

** Indicates that investors will suffer a loss of virtually all of their investment.

CERTAIN UNITED STATES FEDERAL INCOME TAX CONSEQUENCES

The following tax discussion, when read in conjunction with the discussion of “Certain United States Federal Income Tax Consequences” in the Base Offering Circular, describes the material United States federal income tax considerations for investors in the Securities. However, these two tax discussions do not purport to deal with all United States federal tax consequences applicable to all categories of investors, some of which may be subject to special rules.

REMIC Elections

In the opinion of Cleary Gottlieb Steen & Hamilton, the Trust will constitute a Single REMIC Series as to the Group 1 Trust Assets, the Group 2 Trust Assets, the Group 3 Trust Assets, the Group 4 Trust Assets, the Group 5 Trust Assets, the Group 6 Trust Assets, the Group 7 Trust Assets, the Group 8 Trust Assets, the Group 9 Trust Assets and the Group 10 Trust Assets, each for United States federal income tax purposes. Separate REMIC elections will be made for the Group 1 REMIC, the Group 2 REMIC, the Group 3 REMIC, the Group 4 REMIC, the Group 5 REMIC, the Group 6 REMIC, the Group 7 REMIC, the Group 8 REMIC, the Group 9 REMIC and the Group 10 REMIC.

Regular Securities

The Regular Securities will be treated as debt instruments issued by the Group 1 REMIC, the Group 2 REMIC, the Group 3 REMIC, the Group 4 REMIC, the Group 5 REMIC, the Group 6 REMIC, the Group 7 REMIC, the Group 8 REMIC, the Group 9 REMIC and the Group 10 REMIC for United States federal income tax purposes. Income on the Regular Securities must be reported under an accrual method of accounting.

The Notional and Accrual Classes of Regular Securities will be issued with original issue discount (“OID”), and certain other Classes of Regular Securities may be issued with OID. See *“Certain United States Federal Income Tax Consequences — Tax Treatment of Regular Securities — Original Issue Discount,” “— Variable Rate Securities” and “— Interest Weighted Securities and Non-VRDI Securities” in the Base Offering Circular.*

The prepayment assumption that should be used in determining the rates of accrual of OID, if any, on the Regular Securities (as described in “Yield, Maturity and Prepayment Considerations” in this Supplement) is as follows:

<u>Group(s)</u>	<u>PSA</u>
1, 2, 7 and 8	175%
3	300%
4	250%
5	275%
6 and 10	225%
9	200%

In the case of the Class FC Securities, the interest rate value to be used for these determinations is the initial Interest Rate as set forth in the Terms Sheet under “Interest Rates.” No representation is made, however, about the rate at which prepayments on the Mortgage Loans underlying any Group of Trust Assets actually will occur or the level of Compounded SOFR at any time after the date of this Supplement. See *“Certain United States Federal Income Tax Consequences” in the Base Offering Circular.*

The Regular Securities generally will be treated as “regular interests” in a REMIC for domestic building and loan associations and “real estate assets” for real estate investment trusts (“REITs”) as described in “Certain United States Federal Income Tax Consequences” in the Base Offering Circular. Similarly, interest on the Regular Securities will be considered “interest on obligations secured by mortgages on real property” for REITs as described in “Certain United States Federal Income Tax Consequences” in the Base Offering Circular.

Residual Securities

Each Class of Residual Securities will represent the beneficial ownership of the Residual Interest in the related Trust REMIC, as shown below:

<u>Residual Securities</u>	<u>Trust REMIC</u>
Class R1 Securities	Group 1 REMIC
Class R2 Securities	Group 2 REMIC
Class R3 Securities	Group 3 REMIC
Class R4 Securities	Group 4 REMIC
Class R5 Securities	Group 5 REMIC
Class R6 Securities	Group 6 REMIC
Class R7 Securities	Group 7 REMIC
Class R8 Securities	Group 8 REMIC
Class R9 Securities	Group 9 REMIC
Class R10 Securities	Group 10 REMIC

The Residual Securities generally will be treated as “residual interests” in a REMIC for domestic building and loan associations and as “real estate assets” for REITs, as described in “Certain United States Federal Income Tax Consequences” in the Base Offering Circular, but will not be treated as debt for United States federal income tax purposes. Instead, the Holders of the Residual Securities will be required to report, and will be taxed on, their pro rata shares of the taxable income or loss of the related Trust REMIC, and these requirements will continue until there are no outstanding regular interests in the respective Trust REMIC. Thus, Residual Holders will have taxable income attributable to the Residual Securities even though they will not receive principal or interest distributions with respect to the Residual Securities, which could result in a negative after-tax return for the Residual Holders. Even though the Holders of the Residual Securities are not entitled to any stated principal or interest payments on the Residual Securities, the related Trust REMIC may have substantial taxable income in certain periods, and offsetting tax losses may not occur until much later periods. Accordingly, the Holders of the Residual Securities may experience substantial adverse tax timing consequences. Prospective investors are urged to consult their own tax advisors and consider the after-tax effect of ownership of the Residual Securities and the suitability of the Residual Securities to their investment objectives.

Prospective Holders of Residual Securities should be aware that, at issuance, based on the expected prices of the Regular and Residual Securities and the prepayment assumption described above, the residual interests represented by the Residual Securities will be treated as “noneconomic residual interests” as that term is defined in Treasury regulations.

OID accruals on the Underlying Certificates will be computed using the same prepayment assumption as set forth under “Certain United States Federal Income Tax Consequences — Regular Securities” in this Supplement.

MX Securities

For a discussion of certain United States federal income tax consequences applicable to the MX Classes, see “*Certain United States Federal Income Tax Consequences — Tax Treatment of MX Securities*”, “*— Exchanges of MX Classes and Regular Classes*” and “*— Taxation of Foreign Holders of REMIC Securities and MX Securities*” in the Base Offering Circular.

Investors should consult their own tax advisors in determining the United States federal, state, local, foreign and any other tax consequences to them of the purchase, ownership and disposition of the Securities.

ERISA MATTERS

Ginnie Mae guarantees distributions of principal and interest with respect to the Securities. The Ginnie Mae Guaranty is supported by the full faith and credit of the United States of America. The Regular and MX Securities will qualify as “guaranteed governmental mortgage pool certificates” within the meaning of a Department of Labor regulation, the effect of which is to provide that mortgage loans and participations therein underlying a “guaranteed governmental mortgage pool certificate” will not be considered assets of an employee benefit plan subject to the Employee Retirement Income Security Act of 1974, as amended (“ERISA”), or subject to Section 4975 of the Code (each, a “Plan”), solely by reason of the Plan’s purchase and holding of that certificate.

Prospective Plan Investors should consult with their advisors to determine whether the purchase, holding or resale of a Security could give rise to a transaction that is prohibited or is not otherwise permissible under either ERISA or the Code.

Governmental plans and certain church plans, while not subject to the fiduciary responsibility provisions of ERISA or the prohibited transaction provisions of ERISA and the Code, may nevertheless be subject to local, state or other federal laws that are substantially similar to the foregoing provisions of ERISA and the Code (“Similar Law”).

Fiduciaries of any such Plans or governmental or church plans subject to Similar Law should consult with their counsel before purchasing any of the Securities.

See “ERISA Considerations” in the Base Offering Circular.

The Residual Securities are not offered to, and may not be transferred to, a Plan Investor.

LEGAL INVESTMENT CONSIDERATIONS

Institutions whose investment activities are subject to legal investment laws and regulations or to review by certain regulatory authorities may be subject to restrictions on investment in the Securities. **No representation is made about the proper characterization of any Class for legal investment or other purposes, or about the permissibility of the purchase by particular investors of any Class under applicable legal investment restrictions.**

Investors should consult their own legal advisors regarding applicable investment restrictions and the effect of any restrictions on the liquidity of the Securities prior to investing in the Securities.

See “Legal Investment Considerations” in the Base Offering Circular.

PLAN OF DISTRIBUTION

Subject to the terms and conditions of the Sponsor Agreement, the Sponsor has agreed to purchase all of the Securities if any are sold and purchased. The Sponsor proposes to offer the Regular and MX Classes to the public from time to time for sale in negotiated transactions at varying prices to be determined at the time of sale, plus accrued interest from (1) November 1, 2022 on the Fixed Rate Classes and (2) November 20, 2022 on the Floating Rate and Inverse Floating Rate Classes. The Sponsor may effect these transactions by sales to or through certain securities dealers. These dealers may receive compensation in the form of discounts, concessions or commissions from the Sponsor and/or commissions from any purchasers for which they act as agents. Some of the Securities may be sold through dealers in relatively small sales. In the usual case, the commission charged on a relatively small sale of securities will be a higher percentage of the sales price than that charged on a large sale of securities.

INCREASE IN SIZE

Before the Closing Date, Ginnie Mae, the Trustee and the Sponsor may agree to increase the size of this offering. In that event, the Securities will have the same characteristics as described in this Supplement, except that the Original Class Principal Balance (or original Class Notional Balance) of each Class receiving principal distributions or interest distributions based upon a notional balance from the same Trust Asset Group will increase by the same proportion. The Trust Agreement, the Final Data Statement and the Supplemental Statement, if any, will reflect any increase in the size of the transaction.

LEGAL MATTERS

Certain legal matters will be passed upon for Ginnie Mae by Hunton Andrews Kurth LLP, for the Trust by Cleary Gottlieb Steen & Hamilton LLP and Marcell Solomon & Associates, P.C., and for the Trustee by Faegre Drinker Biddle & Reath LLP.

Schedule I

Available Combinations(1)

Class	REMIC Securities		MX Securities					
	Original Class Principal Balance	Related MX Class	Maximum Original Class Principal Balance or Class Notional Balance(2)	Principal Type(3)	Interest Rate	Interest Type(3)	CUSIP Number	Final Distribution Date(4)
Security Group 4								
Combination 1(5)								
JA	\$40,000,000	JC	\$40,000,000	SEQ	4.50%	FIX	38383LJY7	May 2050
		JD	40,000,000	SEQ	4.75	FIX	38383LJZ4	May 2050
		JE	40,000,000	SEQ	5.00	FIX	38383LKA7	May 2050
		JG	40,000,000	SEQ	5.25	FIX	38383LKB5	May 2050
		JI	7,272,727	NTL(SEQ)	5.50	FIX/IO	38383LKC3	May 2050
Combination 2								
JV	\$ 4,026,000	JB	\$ 8,957,243	SEQ	5.50%	FIX	38383LKD1	November 2052
JZ	4,931,243							
Security Group 5								
Combination 3								
MV	\$ 3,676,000	MB	\$ 7,723,192	SEQ	6.00%	FIX	38383LKE9	November 2052
MZ	4,047,192							
Security Group 6								
Combination 4								
LV	\$ 9,256,000	LB	\$21,974,715	SEQ	5.00%	FIX	38383LKF6	November 2052
LZ	12,718,715							

REMIC Securities

MX Securities

Class	Original Class Principal Balance	Related MX Class	Maximum Original Class Principal Balance or Class Notional Balance(2)	Principal Type(3)	Interest Rate	Interest Type(3)	CUSIP Number	Final Distribution Date(4)
Security Group 8 Combination 5(5) H	\$20,117,307	HA	\$20,117,307	SC/PT	3.00%	FIX	38383LKG4	May 2037
		HB	20,117,307	SC/PT	3.25	FIX	38383LKH2	May 2037
		HC	20,117,307	SC/PT	3.50	FIX	38383LKJ8	May 2037
		HD	20,117,307	SC/PT	3.75	FIX	38383LKK5	May 2037
		HE	20,117,307	SC/PT	4.00	FIX	38383LKL3	May 2037
		HG	20,117,307	SC/PT	4.25	FIX	38383LKM1	May 2037
		HI	8,046,922	NTL(SC/PT)	5.00	FIX/IO	38383LKN9	May 2037
		HJ	20,117,307	SC/PT	4.50	FIX	38383LKP4	May 2037
		HK	20,117,307	SC/PT	4.75	FIX	38383LKQ2	May 2037
		HM	20,117,307	SC/PT	5.00	FIX	38383LKR0	May 2037

(1) All exchanges must comply with minimum denomination restrictions.

(2) The amount shown for each MX Class represents the maximum Original Class Principal Balance (or original Class Notional Balance) of that Class, assuming it were to be issued on the Closing Date.

(3) As defined under “Class Types” in Appendix I to the Base Offering Circular.

(4) See “Yield, Maturity and Prepayment Considerations — Final Distribution Date” in this Supplement.

(5) In the case of Combinations 1 and 5, various subcombinations are permitted. See “Description of the Securities — Modification and Exchange” in the Base Offering Circular for a discussion of subcombinations.

Underlying Certificates

Trust Asset Group	Issuer	Series	Class	Issue Date	CUSIP Number	Interest Rate	Interest Type(D)	Final Distribution Date	Principal Type(D)	Original Principal Balance of Class	Underlying Certifying Factor(2)	Principal Balance in Trust	Percentage of Class in Trust	Ginnie Mae I or II
1	Ginnie Mae	2010-111	PB	September 30, 2010	38377JM42	4.0%	FIX	September 2040	PAC I/AD	\$13,046,009	0.86066879	11,298,741.23	100.000000000%	II
1	Ginnie Mae	2010-115	GD	September 30, 2010	38377KDQ0	4.0	FIX	September 2040	PAC I	9,413,596.77	0.59552159	9,413,596.77	100.000000000%	II
1	Ginnie Mae	2010-115	PY	September 30, 2010	38377KFQ8	4.0	FIX	September 2040	PAC I	63,152,000	0.40182206	17,339,425.53	68.330375019	II
1	Ginnie Mae	2010-117	TY	September 30, 2010	38377KFZ8	4.0	FIX	September 2040	PAC I	31,994,000	0.44134510	14,120,395.13	100.000000000%	II
1	Ginnie Mae	2010-120	PL	September 30, 2010	38377S61	4.0	FIX	September 2040	PAC/AD	19,655,978	0.86338108	16,970,599.51	100.000000000%	II
1	Ginnie Mae	2010-129	CP	September 30, 2010	38377KML1	4.0	FIX	September 2040	PAC I	46,432,000	0.69218273	32,139,428.52	100.000000000%	II
1	Ginnie Mae	2010-134	PE	October 29, 2010	38377MBG0	4.0	FIX	October 2040	PAC I	32,000,000	0.56489984	18,076,794.88	100.000000000%	II
1	Ginnie Mae	2010-150	JDK(3)	November 30, 2010	38377L2C1	4.0	FIX	November 2040	PAC/AD	13,504,000	0.73081851	9,868,804.54	100.000000000%	II
1	Ginnie Mae	2010-151	GN	November 30, 2010	38377NKM5	4.0	FIX	November 2040	PAC/AD	36,226,000	0.69023685	25,004,520.13	100.000000000%	II
1	Ginnie Mae	2011-032	EP	November 30, 2011	38377NFT6	4.0	FIX	November 2040	SC/PAC	11,426,797	0.44673354	5,104,733.47	100.000000000%	II
1	Ginnie Mae	2011-081	LB(4)	June 30, 2011	38377LUS16	4.0	FIX	June 2041	SC/PAC	19,779,000	0.86748150	17,157,916.59	100.000000000%	II
2	Ginnie Mae	2010-089	BG	July 30, 2010	38377WVC9	4.0	FIX	July 2040	PAC I	24,076,000	0.56848340	11,270,751.89	82.3475660409	II
2	Ginnie Mae	2010-099	NJ(5)	August 30, 2010	38377GJ23	4.0	FIX	August 2040	SC/PAC	30,465,750	0.52925131	16,124,129.49	100.000000000%	II
2	Ginnie Mae	2010-099	QU(3)	August 30, 2010	38377DHF2	4.0	FIX	August 2040	SC/PAC	60,968,250	0.49714620	30,310,133.81	100.000000000%	II
2	Ginnie Mae	2010-101	PC	August 30, 2010	38377DHF2	4.0	FIX	August 2040	PAC I/AD	19,396,141	0.78117298	11,245,876.37	74.2216763634	II
2	Ginnie Mae	2010-108	QY	August 30, 2010	38377DJ70	4.0	FIX	August 2040	PAC I/AD	16,678,000	0.48424958	8,076,314.50	100.000000000%	II
2	Ginnie Mae	2010-109	LA	August 30, 2010	38377JF04	4.0	FIX	August 2040	PAC/AD	70,766,500	0.54822217	38,795,764.19	100.000000000%	II
2	Ginnie Mae	2010-116	GN(3)	September 30, 2010	38377JMK1	4.0	FIX	September 2040	PAC I/AD	14,903,000	0.97041596	15,465,317.31	100.000000000%	II
2	Ginnie Mae	2010-121	D(3)	September 30, 2010	38377JGJ8	4.0	FIX	September 2040	PAC/AD	15,936,792	0.90599002	14,438,574.50	100.000000000%	II
2	Ginnie Mae	2010-121	PE	September 30, 2010	38377KVK3	4.0	FIX	September 2040	PAC I	45,188,000	0.42968707	19,416,699.32	100.000000000%	II
2	Ginnie Mae	2010-151	HE	November 30, 2010	38377NH77	4.0	FIX/Z	November 2040	PAC/AD	21,262,000	0.73837905	15,699,415.36	100.000000000%	II
2	Ginnie Mae	2011-094	Z	July 29, 2011	38377WH88	4.0	FIX/Z	July 2041	SEQ	10,576,000	0.65724206	6,950,992.03	100.000000000%	II
2	Ginnie Mae	2011-111	CE	August 30, 2011	38377XWR6	4.0	FIX	August 2041	PAC I	17,493,782	0.49868368	8,723,863.58	100.000000000%	II
2	Ginnie Mae	2012-031	MD(6)	March 30, 2012	38378D191	4.0	FIX	March 2041	SC/PAC	14,280,435.31	0.90280622	14,280,435.31	91.5171835223	II
7	Ginnie Mae	2009-123	WQ(7)	December 30, 2009	38379J2X1	5.0	FIX	September 2039	SC/PT	14,785,307	0.30381590	4,492,011.35	100.000000000%	II
7	Ginnie Mae	2009-055	PX	July 30, 2009	3837AVP1	5.0	FIX	July 2039	PAC I	33,865,000	0.23981848	8,121,452.83	100.000000000%	II
7	Ginnie Mae	2009-066	PZ	July 30, 2009	3837AVH193	5.0	FIX/Z	July 2039	PAC I	81,213,000	0.36366617	8,361,321.91	28.3205890683	II
7	Ginnie Mae	2009-066	CW	August 28, 2009	38376JFZ6	5.0	FIX	August 2039	PAC I	50,833,827	0.25199481	12,562,362.06	100.000000000%	II
7	Ginnie Mae	2009-077	NP(3)	September 30, 2009	38375AWF9	5.0	FIX	September 2039	PAC I	24,175,000	0.42338242	3,862,673.80	32.8537869700	II
7	Ginnie Mae	2009-077	PH	September 30, 2009	38376C8P5	5.0	FIX	September 2039	PAC I	33,960,000	0.31371552	3,137,155.20	29.4464075383	II
7	Ginnie Mae	2009-089	ME(3)	October 30, 2009	38376CXM6	5.0	FIX	October 2039	SC/SEQ	24,833,000	0.70063161	8,219,962.79	47.2444650264	II
7	Ginnie Mae	2010-011	ZA(8)	January 29, 2010	38376TYX4	5.0	FIX	January 2040	PAC I	15,024,350	0.69686547	10,469,950.72	100.000000000%	II
7	Ginnie Mae	2010-019	EP	February 26, 2010	38376TYX4	5.0	FIX	February 2040	PAC/AD	36,795,460	0.26455344	9,734,365.52	100.000000000%	II
7	Ginnie Mae	2010-020	NW(3)	February 26, 2010	38376VFA0	5.0	FIX	February 2040	PAC I/AD	11,202,000	0.26871951	3,010,195.95	100.000000000%	II
7	Ginnie Mae	2010-030	PZ	March 30, 2010	38376XUL5	5.0	FIX/Z	March 2040	PAC I/AD	16,379,000	0.72633858	11,896,699.60	100.000000000%	II
7	Ginnie Mae	2010-046	GX(3)	April 30, 2010	38376XDU2	5.0	FIX	April 2040	PAC I/AD	10,340,000	0.71809629	7,425,115.64	100.000000000%	II
8	Ginnie Mae	2004-011	GE	February 27, 2004	38374HSA3	5.0	FIX	February 2034	PAC	19,402,000	0.24872010	3,118,203.89	64.6170497887	I
8	Ginnie Mae	2004-026	Z	April 30, 2004	38374F3P7	5.0	FIX	April 2034	PAC	57,904,000	0.23452270	9,028,094.93	70.9001105278	I
8	Ginnie Mae	2004-029	GE	April 30, 2004	38374GKE1	5.0	FIX/Z	April 2034	SEQ	21,150,000	0.28269922	5,974,888.50	100.000000000%	I
8	Ginnie Mae	2007-031	CK(3)	May 30, 2007	38375R49	5.0	FIX	May 2037	PAC	27,912,000	0.13296670	1,396,150.35	37.618287188	I

(1) As defined under "Class Types" in Appendix I to the Base Offering Circular.

(2) Underlying Certificate Factors are as of November 2022.

(3) MX Class.

(4) Class LB is backed by previously issued Ginnie Mae REMIC certificates, as outlined below:

- REMIC Class MB from 2010-162
- REMIC Class MZ from 2010-162

(5) Class NJ is backed by previously issued Ginnie Mae MX certificate, as outlined below:

- MX Class NY from 2010-084

- (6) Class MD is backed by previously issued Ginnie Mae REMIC and MX certificates, one of which is further backed by previously issued Ginnie Mae MX certificate, as outlined below:
- REMIC Class PY from 2010-115
 - MX Class BD from 2010-098
 - REMIC Class PC from 2011-113, further backed by:
 - MX Class LQ from 2011-046
- (7) Class WQ is backed by previously issued Ginnie Mae REMIC and MX certificates, as outlined below:
- MX Class WY from 2009-078
 - REMIC Class YL from 2009-078
- (8) Class ZA is backed by previously issued Ginnie Mae REMIC and MX certificates, as outlined below:
- REMIC Class KB from 2009-068
 - MX Class AL from 2009-069



\$768,441,650

**Government National
Mortgage Association**

GINNIE MAE[®]

**Guaranteed REMIC
Pass-Through Securities
and MX Securities
Ginnie Mae REMIC Trust 2022-191**

OFFERING CIRCULAR SUPPLEMENT
November 23, 2022

**Goldman Sachs & Co. LLC
Ramirez & Co., Inc.**