

**\$3,658,157,944**  
**Government National Mortgage Association**  
**GINNIE MAE®**  
**Guaranteed REMIC Pass-Through Securities**  
**and MX Securities**  
**Ginnie Mae REMIC Trust 2024-097**

**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-15 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 June 28, 2024.

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 “exempted 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)
<b>Security Group 1</b>						
AF	\$ 60,000,000	(5)	PT	FLT	38384PP9	June 2054
FA	70,000,000	(5)	PT	FLT	38384PPQ7	June 2054
FB	50,000,000	(5)	PT	FLT	38384PPR5	June 2054
SB	180,000,000	(5)	NTL(PT)	INV/IO	38384PPS3	June 2054
TB	70,000,000	(5)	NTL(PT)	INV/IO	38384PPT1	June 2054
<b>Security Group 2</b>						
S	66,146,366	(5)	NTL(SC/PT)	INV/IO	38384PPU8	March 2054
TI	31,309,956	(5)	NTL(SC/PT)	INV/IO	38384PPV6	March 2054
<b>Security Group 3</b>						
PT	220,000,000	6.000%	PT	FIX	38384PPW4	June 2054
<b>Security Group 4</b>						
D(1)	135,218,000	4.500	SEQ	FIX	38384PPX2	December 2050
DL(1)	17,343,000	4.500	SEQ	FIX	38384PPY0	April 2052
DM(1)	7,661,000	4.500	SEQ	FIX	38384PPZ7	October 2052
DY(1)	25,736,336	4.500	SEQ	FIX	38384PQA1	June 2054
EA(1)	26,433,000	4.500	SEQ	FIX	38384PQB9	January 2051
EF	150,000,000	(5)	PT	FLT	38384PQC7	June 2054
EL(1)	3,320,000	4.500	SEQ	FIX	38384PQD5	May 2052
ES	78,000,000	(5)	NTL(PT)	INV/IO	38384PQE3	June 2054
EY(1)	6,247,000	4.500	SEQ	FIX	38384PQF0	June 2054
FD	151,500,000	(5)	PT	FLT	38384PQG8	June 2054
NR(1)	133,333,334	(5)	PT	FLT	38384PQH6	June 2054
NS	133,333,334	(5)	NTL(PT)	INV/IO	38384PQJ2	June 2054
SD(1)	100,000,000	(5)	NTL(PT)	INV/IO	38384PQK9	June 2054
SY(1)	51,500,000	(5)	NTL(PT)	INV/IO	38384PQL7	June 2054
YS	72,000,000	(5)	NTL(PT)	INV/IO	38384PQM5	June 2054
<b>Security Group 5</b>						
FG	65,000,000	(5)	PT	FLT	38384PQN3	June 2054
GA(1)	11,045,000	5.000	SEQ	FIX	38384PQP8	October 2052
GB(1)	1,955,000	5.000	SEQ	FIX	38384PQQ6	June 2054
SG	65,000,000	(5)	NTL(PT)	INV/IO	38384PQR4	June 2054
<b>Security Group 6</b>						
FH	100,000,000	(5)	PT	FLT	38384PQS2	June 2054
HA(1)	31,317,000	4.500	SEQ	FIX	38384PQT0	November 2051
HY(1)	8,683,000	4.500	SEQ	FIX	38384PQU7	June 2054
SH	100,000,000	(5)	NTL(PT)	INV/IO	38384PQV5	June 2054
<b>Security Group 7</b>						
DA	50,000,001	0.125	PT	FIX	38384PQW3	June 2054
FP(1)	133,333,334	(5)	PT	FLT	38384PQX1	June 2054
FO	42,708,333	(5)	PT	FLT	38384PQY9	June 2054
GF	50,000,000	(5)	PT	FLT	38384PQZ6	June 2054
JF(1)	100,000,000	(5)	PT	FLT	38384PRA0	June 2054
MS	150,000,000	(5)	NTL(PT)	INV/IO	38384PRB8	June 2054
SK	133,333,334	(5)	NTL(PT)	INV/IO	38384PRC6	June 2054
SQ	42,708,333	(5)	NTL(PT)	INV/IO	38384PRD4	June 2054
TA	50,000,000	(5)	NTL(PT)	INV/IO	38384PRE2	June 2054
TH(1)	100,000,000	(5)	NTL(PT)	INV/IO	38384PRF9	June 2054
TJ(1)	100,000,000	(5)	NTL(PT)	INV/IO	38384PRG7	June 2054
<b>Security Group 8</b>						
KA(1)	22,389,000	3.000	SEQ	FIX	38384PRH5	November 2049
KF	50,000,000	(5)	PT	FLT	38384PRJ1	June 2054
KL(1)	3,093,000	3.000	SEQ	FIX	38384PRK8	May 2051
KM(1)	7,851,334	3.000	SEQ	FIX	38384PRL6	June 2054
KS	50,000,000	(5)	NTL(PT)	INV/IO	38384PRM4	June 2054
<b>Security Group 9</b>						
PA	75,297,000	7.500	PAC/AD	FIX	38384PRN2	February 2054
PZ	321,698	7.500	PAC/AD	FIX/Z	38384PRP7	June 2054
UZ	15,502,026	7.500	SUP	FIX/Z	38384PRQ5	June 2054
<b>Security Group 10</b>						
BT	20,000,000	6.000	PT	FIX	38384PRR3	June 2054
<b>Security Group 11</b>						
FC	48,028,213	(5)	PT	FLT	38384PRS1	June 2054
SC	48,028,213	(5)	NTL(PT)	INV/IO	38384PRT9	June 2054

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**Ramirez & Co., Inc.**

The date of this Offering Circular Supplement is June 24, 2024.

Class of REMIC Securities	Original Principal Balance(2)	Interest Rate	Principal Type(3)	Interest Type(3)	CUSIP Number	Final Distribution Date(4)
<b>Security Group 12</b>						
FE .....	\$250,000,000	(5)	PT	FLT	38384PRU6	June 2064
SE .....	250,000,000	(5)	NTL(PT)	INV/IO	38384PRV4	June 2064
<b>Security Group 13</b>						
CS .....	250,000,000	(5)	NTL(PT)	INV/IO	38384PRW2	June 2054
TP(1) .....	250,000,000	(5)	NTL(PT)	INV/IO	38384PRX0	June 2054
TQ(1) .....	250,000,000	(5)	NTL(PT)	INV/IO	38384PRY8	June 2054
YC(1) .....	250,000,000	(5)	PT	FLT	38384PRZ5	June 2054
<b>Security Group 14</b>						
AB(1) .....	39,167,000	5.000%	SEQ	FIX	38384PSA9	November 2051
AL(1) .....	4,585,000	5.000	SEQ	FIX	38384PSB7	January 2053
AM(1) .....	6,248,000	5.000	SEQ	FIX	38384PSC5	June 2054
AS(1) .....	40,000,000	(5)	NTL(PT)	INV/IO	38384PSD3	June 2054
DS(1) .....	60,000,000	(5)	NTL(PT)	INV/IO	38384PSE1	June 2054
F .....	100,000,000	(5)	PT	FLT	38384PSF8	June 2054
<b>Security Group 15</b>						
HF .....	50,000,000	(5)	PT	FLT	38384PSG6	June 2054
HS .....	50,000,000	(5)	NTL(PT)	INV/IO	38384PSH4	June 2054
<b>Security Group 16</b>						
FL .....	100,000,000	(5)	PT	FLT	38384PSJ0	June 2054
LA .....	25,000,000	5.500	SEQ	FIX	38384PSK7	August 2051
LB .....	6,887,308	5.500	SEQ	FIX	38384PSL5	June 2054
LE(1) .....	59,032,000	5.000	SEQ	FIX	38384PSM3	June 2051
LG(1) .....	13,588,000	5.000	SEQ	FIX	38384PSN1	November 2053
LM(1) .....	3,936,350	5.000	SEQ	FIX	38384PSP6	June 2054
SL .....	190,000,000	(5)	NTL(PT)	INV/IO	38384PSQ4	June 2054
TL .....	416,666	(5)	PT	INV	38384PSR2	June 2054
VF .....	40,000,000	(5)	PT	FLT	38384PSS0	June 2054
WF .....	50,000,000	(5)	PT	FLT	38384PST8	June 2054
<b>Security Group 17</b>						
LF .....	50,000,000	(5)	PT	FLT	38384PSU5	June 2054
LS .....	50,000,000	(5)	NTL(PT)	INV/IO	38384PSV3	June 2054
<b>Security Group 18</b>						
FM .....	25,000,000	(5)	PT	FLT	38384PSW1	June 2064
FN .....	50,000,000	(5)	PT	FLT	38384PSX9	June 2064
IT .....	10,000,000	(5)	NTL(PT)	INV/IO	38384PSY7	June 2064
MA(1) .....	22,337,000	5.000	SEQ	FIX	38384PSZ4	March 2063
MF .....	75,000,000	(5)	PT	FLT	38384PTA8	June 2064
ML(1) .....	1,663,000	5.000	SEQ	FIX	38384PTB6	January 2064
MN(1) .....	1,000,000	5.000	SEQ	FIX	38384PTC4	June 2064
PF .....	10,000,000	(5)	PT	FLT	38384PTD2	June 2064
SM(1) .....	110,000,000	(5)	NTL(PT)	INV/IO	38384PTE0	June 2064
SN .....	50,000,000	(5)	NTL(PT)	INV/IO	38384PTF7	June 2064
TM .....	25,000,000	(5)	NTL(PT)	INV/IO	38384PTG5	June 2064
<b>Security Group 19</b>						
BC .....	1,982,011	4.500	SC/SEQ	FIX	38384PTH3	January 2050
BD .....	16,500,000	4.500	SC/SEQ	FIX	38384PTJ9	January 2050
<b>Security Group 20</b>						
IO .....	34,997,894	5.000	NTL(SC/PT)	FIX/IO	38384PTK6	February 2053
<b>Security Group 21</b>						
BF .....	50,000,000	(5)	PT	FLT	38384PTL4	June 2054
BS .....	50,000,000	(5)	NTL(PT)	INV/IO	38384PTM2	June 2054
<b>Security Group 22</b>						
SW .....	150,000,000	(5)	NTL(PT)	INV/IO	38384PTN0	June 2054
TC(1) .....	150,000,000	(5)	NTL(PT)	INV/IO	38384PTP5	June 2054
TN(1) .....	150,000,000	(5)	NTL(PT)	INV/IO	38384PTQ3	June 2054
YA(1) .....	150,000,000	(5)	PT	FLT	38384PTR1	June 2054
<b>Security Group 23</b>						
FT .....	90,000,000	(5)	PT	FLT	38384PTS9	June 2054
QA(1) .....	17,462,000	4.000	SEQ	FIX	38384PTT7	July 2051
QY(1) .....	5,038,000	4.000	SEQ	FIX	38384PTU4	June 2054
ST .....	90,000,000	(5)	NTL(PT)	INV/IO	38384PTV2	June 2054
<b>Security Group 24</b>						
P(1) .....	37,256,000	5.500	SC/PAC	FIX	38384PTW0	October 2049
UA(1) .....	12,744,000	5.500	SC/SUP	FIX	38384PTX8	October 2049
<b>Security Group 25</b>						
FX .....	50,000,000	(5)	PT	FLT	38384PTY6	June 2064
SX(1) .....	50,000,000	(5)	NTL(PT)	INV/IO	38384PTZ3	June 2064
TU .....	50,000,000	(5)	NTL(PT)	INV/IO	38384PUA6	June 2064
<b>Security Group 26</b>						
CA(1) .....	17,433,000	5.000	SEQ	FIX	38384PUB4	January 2053
CB(1) .....	2,567,000	5.000	SEQ	FIX	38384PUC2	June 2054
XF .....	80,000,000	(5)	PT	FLT	38384PUD0	June 2054
XS .....	80,000,000	(5)	NTL(PT)	INV/IO	38384PUE8	June 2054
<b>Residual</b>						
RR .....	0	0.000	NPR	NPR	38384PUF5	June 2064

- (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 each 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 each 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 2, 19, 20 and 24 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:** BMO Capital Markets Corp.

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

**Trustee:** U.S. Bank National Association

**Tax Administrator:** The Trustee

**Closing Date:** June 28, 2024

**Distribution Date:** The 20th day of each month or, if the 20th day is not a Business Day, the first Business Day thereafter, commencing in July 2024.

**Trust Assets:**

<u>Trust Asset Group or Subgroup<sup>(2)</sup></u>	<u>Trust Asset Type</u>	<u>Certificate Rate</u>	<u>Original Term To Maturity (in years)</u>
1	Ginnie Mae II	6.500%	30
2A	Underlying Certificate	(1)	(1)
2B	Underlying Certificate	(1)	(1)
3	Ginnie Mae II	6.000%	30
4A	Ginnie Mae II	6.500%	30
4B	Ginnie Mae II	6.500%	30
4C	Ginnie Mae II	6.500%	30
5	Ginnie Mae II	7.500%	30
6	Ginnie Mae II	7.000%	30
7	Ginnie Mae II	6.000%	30
8	Ginnie Mae II	6.000%	30
9	Ginnie Mae II	7.500%	30
10	Ginnie Mae II	6.000%	30
11	Ginnie Mae II	8.000%	30
12	Ginnie Mae II	6.500%	40
13	Ginnie Mae II	6.500%	30
14A	Ginnie Mae II	7.000%	30
14B	Ginnie Mae II	7.000%	30
15	Ginnie Mae II	6.500%	30
16A	Ginnie Mae II	6.000%	30
16B	Ginnie Mae II	6.000%	30
17	Ginnie Mae II	6.500%	30
18A	Ginnie Mae II	7.000%	40
18B	Ginnie Mae II	7.000%	40
19	Underlying Certificate	(1)	(1)

<u>Trust Asset Group or Subgroup<sup>(2)</sup></u>	<u>Trust Asset Type</u>	<u>Certificate Rate</u>	<u>Original Term To Maturity (in years)</u>
20	Underlying Certificates	(1)	(1)
21	Ginnie Mae II	6.500%	30
22	Ginnie Mae II	6.500%	30
23	Ginnie Mae II	6.000%	30
24	Underlying Certificate	(1)	(1)
25	Ginnie Mae II	7.000%	40
26	Ginnie Mae II	7.000%	30

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

(2) The Group 2, 4, 14, 16 and 18 Trust Assets consist of the enumerated subgroups (each, a “Subgroup”).

**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. Except in the case of certain MX Classes in Groups 4, 7, 18 and 25, 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 1, 3 through 18, 21, 22, 23, 25 and 26 Trust Assets<sup>(1)</sup>:**

<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<sup>(2)</sup></u>
<b>Group 1 Trust Assets</b>			
\$180,000,000	349	9	7.035%
<b>Group 3 Trust Assets</b>			
\$220,000,000	353	1	6.580%
<b>Subgroup 4A Trust Assets</b>			
\$175,000,000	358	1	7.016%
<b>Subgroup 4B Trust Assets</b>			
\$373,791,670	358	1	7.026%
<b>Subgroup 4C Trust Assets</b>			
\$108,000,000	358	2	6.965%
<b>Group 5 Trust Assets</b>			
\$78,000,000	354	3	7.957%
<b>Group 6 Trust Assets</b>			
\$140,000,000	358	2	7.430%
<b>Group 7 Trust Assets</b>			
\$376,041,668	358	2	6.611%
<b>Group 8 Trust Assets</b>			
\$83,333,334	359	1	6.510%
<b>Group 9 Trust Assets</b>			
\$91,120,724	349	1	7.946%
<b>Group 10 Trust Assets</b>			
\$20,000,000	353	1	6.580%

<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<sup>(2)</sup></u>
<b>Group 11 Trust Assets</b>			
\$48,028,213	351	6	8.450%
<b>Group 12 Trust Assets<sup>(3)</sup></b>			
\$250,000,000	476	2	7.004%
<b>Group 13 Trust Assets</b>			
\$250,000,000	356	3	7.131%
<b>Subgroup 14A Trust Assets</b>			
\$60,000,000	355	1	7.460%
<b>Subgroup 14B Trust Assets</b>			
\$90,000,000	355	1	7.399%
<b>Group 15 Trust Assets</b>			
\$50,000,000	358	1	7.100%
<b>Subgroup 16A Trust Assets</b>			
\$63,774,616	357	2	6.566%
<b>Subgroup 16B Trust Assets</b>			
\$235,085,708	357	1	6.596%
<b>Group 17 Trust Assets</b>			
\$50,000,000	349	9	7.034%
<b>Subgroup 18A Trust Assets<sup>(3)</sup></b>			
\$110,000,000	474	4	7.392%
<b>Subgroup 18B Trust Assets<sup>(3)</sup></b>			
\$75,000,000	476	1	7.387%
<b>Group 21 Trust Assets</b>			
\$50,000,000	355	3	7.029%
<b>Group 22 Trust Assets</b>			
\$150,000,000	358	1	7.052%
<b>Group 23 Trust Assets</b>			
\$112,500,000	359	1	6.605%
<b>Group 25 Trust Assets<sup>(3)</sup></b>			
\$50,000,000	476	1	7.392%
<b>Group 26 Trust Assets</b>			
\$100,000,000	358	1	7.600%

<sup>(1)</sup> As of June 1, 2024.

<sup>(2)</sup> The Mortgage Loans underlying the Group 1, 3 through 18, 21, 22, 23, 25 and 26 Trust Assets may bear interest at rates ranging from 0.25% to 1.50% per annum above the related Certificate Rate.

<sup>(3)</sup> The Mortgage Loans underlying the Group 12, 18 and 25 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 1, 3 through 18, 21, 22, 23, 25 and 26 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 2, 19, 20 and 24 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 a Principal Only, Interest Only or Inverse Floating Rate 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 “30-day Average SOFR”) as follows:

Class	Interest Rate Formula(1)	Initial Interest Rate(2)	Minimum Rate	Maximum Rate	Delay (in days)	30-day Average SOFR for Minimum Interest Rate
<b>Security Group 1</b>						
AF .....	30-day Average SOFR + 1.25%	6.50000%	1.25%	6.50%	0	0.00%
FA .....	30-day Average SOFR + 1.20%	6.50000%	1.20%	6.50%	0	0.00%
FB .....	30-day Average SOFR + 1.25%	6.50000%	1.25%	6.50%	0	0.00%
SB .....	5.25% – 30-day Average SOFR	0.00000%	0.00%	5.25%	0	5.25%
TB .....	5.30% – 30-day Average SOFR	0.00000%	0.00%	0.05%	0	5.30%
<b>Security Group 2</b>						
S .....	5.80% – 30-day Average SOFR	0.46700%	0.00%	5.80%	0	5.80%
TI .....	6.00% – 30-day Average SOFR	0.20000%	0.00%	0.20%	0	6.00%
<b>Security Group 4</b>						
EF .....	30-day Average SOFR + 0.85%	6.17466%	0.85%	7.50%	0	0.00%
ES .....	6.65% – 30-day Average SOFR	1.32534%	0.00%	6.65%	0	6.65%
FD .....	30-day Average SOFR + 0.70%	6.02374%	0.70%	8.00%	0	0.00%
GS .....	7.30% – 30-day Average SOFR	1.97626%	0.00%	7.30%	0	7.30%
NF .....	30-day Average SOFR + 1.00%	6.33269%	1.00%	7.00%	0	0.00%
NS .....	6.00% – 30-day Average SOFR	0.66731%	0.00%	6.00%	0	6.00%
SD .....	7.30% – 30-day Average SOFR	1.97626%	0.00%	7.30%	0	7.30%
SY .....	7.30% – 30-day Average SOFR	1.97626%	0.00%	7.30%	0	7.30%
YS .....	6.65% – 30-day Average SOFR	1.32534%	0.00%	6.65%	0	6.65%
<b>Security Group 5</b>						
FG .....	30-day Average SOFR + 0.70%	6.02371%	0.70%	8.00%	0	0.00%
SG .....	7.30% – 30-day Average SOFR	1.97629%	0.00%	7.30%	0	7.30%
<b>Security Group 6</b>						
FH .....	30-day Average SOFR + 0.70%	6.02433%	0.70%	8.00%	0	0.00%
SH .....	7.30% – 30-day Average SOFR	1.97567%	0.00%	7.30%	0	7.30%

<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>30-day Average SOFR for Minimum Interest Rate</u>
<b>Security Group 7</b>						
FJ .....	30-day Average SOFR + 1.20%	6.50000%	1.20%	6.50%	0	0.00%
FP .....	30-day Average SOFR + 1.00%	6.33269%	1.00%	7.00%	0	0.00%
FQ .....	30-day Average SOFR + 0.75%	6.07374%	0.75%	8.00%	0	0.00%
FY .....	30-day Average SOFR + 1.10%	6.42000%	1.10%	6.50%	0	0.00%
GF .....	30-day Average SOFR + 1.15%	6.48002%	1.15%	6.50%	0	0.00%
JF .....	30-day Average SOFR + 1.00%	6.32000%	1.00%	6.50%	0	0.00%
MS .....	5.30% - 30-day Average SOFR	0.00000%	0.00%	5.30%	0	5.30%
SK .....	6.00% - 30-day Average SOFR	0.66731%	0.00%	6.00%	0	6.00%
SQ .....	7.25% - 30-day Average SOFR	1.92626%	0.00%	7.25%	0	7.25%
TA .....	5.35% - 30-day Average SOFR	0.01998%	0.00%	0.05%	0	5.35%
TH .....	5.50% - 30-day Average SOFR	0.10000%	0.00%	0.10%	0	5.50%
TJ .....	5.40% - 30-day Average SOFR	0.08000%	0.00%	0.10%	0	5.40%
<b>Security Groups 4 and 7</b>						
QF .....	30-day Average SOFR + 1.00%	6.33269%	1.00%	7.00%	0	0.00%
<b>Security Group 8</b>						
KF .....	30-day Average SOFR + 0.70%	6.02433%	0.70%	8.00%	0	0.00%
KS .....	7.30% - 30-day Average SOFR	1.97567%	0.00%	7.30%	0	7.30%
<b>Security Group 11</b>						
FC .....	30-day Average SOFR + 0.70%	6.02371%	0.70%	8.00%	0	0.00%
SC .....	7.30% - 30-day Average SOFR	1.97629%	0.00%	7.30%	0	7.30%
<b>Security Group 12</b>						
FE .....	30-day Average SOFR + 1.35%	6.50000%	1.35%	6.50%	0	0.00%
SE .....	5.15% - 30-day Average SOFR	0.00000%	0.00%	5.15%	0	5.15%
<b>Security Group 13</b>						
CF .....	30-day Average SOFR + 1.15%	6.48002%	1.15%	6.50%	0	0.00%
CS .....	5.25% - 30-day Average SOFR	0.00000%	0.00%	5.25%	0	5.25%
DF .....	30-day Average SOFR + 1.25%	6.50000%	1.25%	6.50%	0	0.00%
TP .....	5.45% - 30-day Average SOFR	0.10000%	0.00%	0.10%	0	5.45%
TQ .....	5.35% - 30-day Average SOFR	0.01998%	0.00%	0.10%	0	5.35%
YC .....	30-day Average SOFR + 1.05%	6.38002%	1.05%	6.50%	0	0.00%
<b>Security Group 14</b>						
AS .....	7.25% - 30-day Average SOFR	1.92567%	0.00%	7.25%	0	7.25%
DS .....	7.25% - 30-day Average SOFR	1.92567%	0.00%	7.25%	0	7.25%
F .....	30-day Average SOFR + 0.75%	6.07433%	0.75%	8.00%	0	0.00%
JS .....	7.25% - 30-day Average SOFR	1.92567%	0.00%	7.25%	0	7.25%
<b>Security Group 15</b>						
HF .....	30-day Average SOFR + 1.16%	6.49035%	1.16%	6.50%	0	0.00%
HS .....	5.34% - 30-day Average SOFR	0.00965%	0.00%	5.34%	0	5.34%
<b>Security Group 16</b>						
FL .....	30-day Average SOFR + 1.20%	6.50000%	1.20%	6.50%	0	0.00%
SL .....	5.30% - 30-day Average SOFR	0.00000%	0.00%	5.30%	0	5.30%
TL .....	642.00% - (30-day Average SOFR x 120)	2.39760%	0.00%	6.00%	0	5.35%
VF .....	30-day Average SOFR + 1.20%	6.50000%	1.20%	6.50%	0	0.00%
WF .....	30-day Average SOFR + 1.15%	6.48002%	1.15%	6.50%	0	0.00%
<b>Security Group 17</b>						
LF .....	30-day Average SOFR + 1.35%	6.50000%	1.35%	6.50%	0	0.00%
LS .....	5.15% - 30-day Average SOFR	0.00000%	0.00%	5.15%	0	5.15%
<b>Security Group 18</b>						
FM .....	30-day Average SOFR + 1.05%	6.37968%	1.05%	7.00%	0	0.00%
FN .....	30-day Average SOFR + 0.77%	6.09374%	0.77%	8.00%	0	0.00%
IT .....	5.92% - 30-day Average SOFR	0.03000%	0.00%	0.03%	0	5.92%
MF .....	30-day Average SOFR + 1.11%	6.44233%	1.11%	7.00%	0	0.00%
PF .....	30-day Average SOFR + 1.08%	6.40968%	1.08%	7.00%	0	0.00%
SM .....	5.89% - 30-day Average SOFR	0.55851%	0.00%	5.89%	0	5.89%
SN .....	7.23% - 30-day Average SOFR	1.90626%	0.00%	7.23%	0	7.23%
TM .....	5.95% - 30-day Average SOFR	0.06000%	0.00%	0.06%	0	5.95%



<b>Class</b>	<b>Interest Rate Formula(1)</b>	<b>Initial Interest Rate(2)</b>	<b>Minimum Rate</b>	<b>Maximum Rate</b>	<b>Delay (in days)</b>	<b>30-day Average SOFR for Minimum Interest Rate</b>
<b>Security Group 21</b>						
BF .....	30-day Average SOFR + 1.35%	6.50000%	1.35%	6.50%	0	0.00%
BS .....	5.15% – 30-day Average SOFR	0.00000%	0.00%	5.15%	0	5.15%
<b>Security Group 22</b>						
FW .....	30-day Average SOFR + 1.15%	6.48002%	1.15%	6.50%	0	0.00%
SW .....	5.25% – 30-day Average SOFR	0.00000%	0.00%	5.25%	0	5.25%
TC .....	5.35% – 30-day Average SOFR	0.01998%	0.00%	0.10%	0	5.35%
TN .....	5.45% – 30-day Average SOFR	0.10000%	0.00%	0.10%	0	5.45%
YA .....	30-day Average SOFR + 1.05%	6.38002%	1.05%	6.50%	0	0.00%
YB .....	30-day Average SOFR + 1.25%	6.50000%	1.25%	6.50%	0	0.00%
<b>Security Group 23</b>						
FT .....	30-day Average SOFR + 1.15%	6.48002%	1.15%	6.50%	0	0.00%
ST .....	5.35% – 30-day Average SOFR	0.01998%	0.00%	5.35%	0	5.35%
<b>Security Group 25</b>						
FX .....	30-day Average SOFR + 1.09%	6.42233%	1.09%	7.00%	0	0.00%
SX .....	5.89% – 30-day Average SOFR	0.55767%	0.00%	5.89%	0	5.89%
TU .....	5.91% – 30-day Average SOFR	0.02000%	0.00%	0.02%	0	5.91%
<b>Security Groups 18 and 25</b>						
SU .....	5.89% – 30-day Average SOFR	0.55824%	0.00%	5.89%	0	5.89%
<b>Security Group 26</b>						
XF .....	30-day Average SOFR + 0.85%	6.17000%	0.85%	7.50%	0	0.00%
XS .....	6.65% – 30-day Average SOFR	1.33000%	0.00%	6.65%	0	6.65%

- (1) 30-day Average 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, concurrently, to AF, FA and FB, pro rata, until retired

#### **SECURITY GROUP 3**

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

#### **SECURITY GROUP 4**

The Subgroup 4A Principal Distribution Amount, the Subgroup 4B Principal Distribution Amount and the Subgroup 4C Principal Distribution Amount will be allocated as follows:

- 57.1428571429% of the Subgroup 4A Principal Distribution Amount and 13.7777281126% of the Subgroup 4B Principal Distribution Amount to FD, until retired
- 42.8571428571% of the Subgroup 4A Principal Distribution Amount and 29.6845395190% of the Subgroup 4B Principal Distribution Amount, sequentially, to D, DL, DM and DY, in that order, until retired
- 20.8672386947% of the Subgroup 4B Principal Distribution Amount and 66.6666666667% of the Subgroup 4C Principal Distribution Amount to EF, until retired

- 35.6704936737% of the Subgroup 4B Principal Distribution Amount to NF, until retired
- 33.3333333333% of the Subgroup 4C Principal Distribution Amount, sequentially, to EA, EL and EY, in that order, until retired

**SECURITY GROUP 5**

The Group 5 Principal Distribution Amount will be allocated, concurrently, as follows:

- 83.3333333333% to FG, until retired
- 16.6666666667%, sequentially, to GA and GB, in that order, until retired

**SECURITY GROUP 6**

The Group 6 Principal Distribution Amount will be allocated, concurrently, as follows:

- 71.4285714286% to FH, until retired
- 28.5714285714%, sequentially, to HA and HY, in that order, until retired

**SECURITY GROUP 7**

The Group 7 Principal Distribution Amount will be allocated, concurrently, to DA, FP, FQ, GF and JF, pro rata, until retired

**SECURITY GROUP 8**

The Group 8 Principal Distribution Amount will be allocated, concurrently, as follows:

- 59.99999952% to KF, until retired
- 40.00000048%, sequentially, to KA, KL and KM, in that order, until retired

**SECURITY GROUP 9**

The Group 9 Principal Distribution Amount, the PZ Accrual Amount and the UZ Accrual Amount will be allocated as follows:

- The PZ Accrual Amount, sequentially, to PA and PZ, in that order, until retired
- The Group 9 Principal Distribution Amount and the UZ Accrual Amount in the following order of priority:
  1. Sequentially, to PA and PZ, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
  2. To UZ, until retired
  3. Sequentially, to PA and PZ, in that order, without regard to their Aggregate Scheduled Principal Balance, until retired

**SECURITY GROUP 10**

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

**SECURITY GROUP 11**

The Group 11 Principal Distribution Amount will be allocated to FC, until retired

**SECURITY GROUP 12**

The Group 12 Principal Distribution Amount will be allocated to FE, until retired

**SECURITY GROUP 13**

The Group 13 Principal Distribution Amount will be allocated to YC, until retired

**SECURITY GROUP 14**

The Group 14 Principal Distribution Amount will be allocated, concurrently, as follows:

- 66.666666667% to F, until retired
- 33.333333333%, sequentially, to AB, AL and AM, in that order, until retired

**SECURITY GROUP 15**

The Group 15 Principal Distribution Amount will be allocated to HF, until retired

**SECURITY GROUP 16**

The Subgroup 16A Principal Distribution Amount and the Subgroup 16B Principal Distribution Amount will be allocated as follows:

- 50% of the Subgroup 16A Principal Distribution Amount and 28.9735571675% of the Subgroup 16B Principal Distribution Amount to FL, until retired
- 50% of the Subgroup 16A Principal Distribution Amount, sequentially, to LA and LB, in that order, until retired
- 38.4611496672% of the Subgroup 16B Principal Distribution Amount, concurrently, to TL, VF and WF, pro rata, until retired
- 32.5652931653% of the Subgroup 16B Principal Distribution Amount, sequentially, to LE, LG and LM, in that order, until retired

**SECURITY GROUP 17**

The Group 17 Principal Distribution Amount will be allocated to LF, until retired

**SECURITY GROUP 18**

The Subgroup 18A Principal Distribution Amount and the Subgroup 18B Principal Distribution Amount will be allocated as follows:

- 77.2727272727% of the Subgroup 18A Principal Distribution Amount, concurrently, to FM, FN and PF, pro rata, until retired
- 22.7272727273% of the Subgroup 18A Principal Distribution Amount, sequentially, to MA, ML and MN, in that order, until retired
- The Subgroup 18B Principal Distribution Amount to MF, until retired

**SECURITY GROUP 19**

The Group 19 Principal Distribution Amount will be allocated, sequentially, to BC and BD, in that order, until retired

**SECURITY GROUP 21**

The Group 21 Principal Distribution Amount will be allocated to BF, until retired

**SECURITY GROUP 22**

The Group 22 Principal Distribution Amount will be allocated to YA, until retired

**SECURITY GROUP 23**

The Group 23 Principal Distribution Amount will be allocated, concurrently, as follows:

- 80% to FT, until retired
- 20%, sequentially, to QA and QY, in that order, until retired

**SECURITY GROUP 24**

The Group 24 Principal Distribution Amount will be allocated in the following order of priority:

1. To P, until reduced to its Scheduled Principal Balance for that Distribution Date
2. To UA, until retired
3. To P, without regard to its Scheduled Principal Balance, until retired

**SECURITY GROUP 25**

The Group 25 Principal Distribution Amount will be allocated to FX, until retired

**SECURITY GROUP 26**

The Group 26 Principal Distribution Amount will be allocated, concurrently, as follows:

- 80% to XF, until retired
- 20%, sequentially, to CA and CB, in that order, until retired

**Scheduled Principal Balances:** The Scheduled Principal Balances or Aggregate Scheduled Principal Balances for the Classes listed below are included in Schedule II to this Supplement. They were calculated using among other things the following Structuring Ranges:

<u>Security Group</u>	<u>Structuring Ranges</u>
<b>PAC Classes</b>	
9	PA and PZ (in the aggregate) . . . . . 200% PSA through 400% PSA
24	P* . . . . . 150% PSA through 247% PSA

\* The initial Effective Range is 150% PSA through 246% PSA.

**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 Balances or the outstanding principal or notional balance of the related Trust Asset Group or Subgroup indicated:

<u>Class</u>	<u>Original Class Notional Balance</u>	<u>Represents Approximately</u>
<b>Security Group 1</b>		
SB .....	\$180,000,000	100% of AF, FA and FB (in the aggregate) (PT Classes)
TB .....	70,000,000	100% of FA (PT Class)
<b>Security Group 2</b>		
S .....	\$ 66,146,366	100% of the Group 2 Trust Assets
TI .....	31,309,956	100% of the Subgroup 2A Trust Assets
<b>Security Group 4</b>		
DI .....	\$ 41,605,538	30.7692307692% of D (SEQ Class)
ES .....	78,000,000	20.8672386947% of the Subgroup 4B Trust Assets
GS .....	151,500,000	100% of FD (PT Class)
ID .....	128,740,386	69.2307692308% of D, DL, DM and DY (in the aggregate) (SEQ Classes)
IN .....	36,974,307	23.0769230769% of D, DL and DM (in the aggregate) (SEQ Classes)
NI .....	46,941,846	30.7692307692% of D and DL (in the aggregate) (SEQ Classes)
NS .....	133,333,334	100% of NF (PT Class)
SD .....	100,000,000	57.1428571429% of the Subgroup 4A Trust Assets
SY .....	51,500,000	13.7777281126% of the Subgroup 4B Trust Assets
YS .....	72,000,000	66.6666666667% of the Subgroup 4C Trust Assets
<b>Security Group 5</b>		
SG .....	\$ 65,000,000	100% of FG (PT Class)
<b>Security Group 6</b>		
HI .....	\$ 20,132,357	64.2857142857% of HA (SEQ Class)
IH .....	25,714,285	64.2857142857% of HA and HY (in the aggregate) (SEQ Classes)
SH .....	100,000,000	100% of FH (PT Class)
<b>Security Group 7</b>		
MS .....	\$150,000,000	100% of GF and JF (in the aggregate) (PT Classes)
SK .....	133,333,334	100% of FP (PT Class)
SQ .....	42,708,333	100% of FQ (PT Class)
TA .....	50,000,000	100% of GF (PT Class)
TH .....	100,000,000	100% of JF (PT Class)
TJ .....	100,000,000	100% of JF (PT Class)
<b>Security Group 8</b>		
IK .....	\$ 12,741,000	50% of KA and KL (in the aggregate) (SEQ Classes)
KI .....	11,194,500	50% of KA (SEQ Class)
KS .....	50,000,000	100% of KF (PT Class)
<b>Security Group 11</b>		
SC .....	\$ 48,028,213	100% of FC (PT Class)
<b>Security Group 12</b>		
SE .....	\$250,000,000	100% of FE (PT Class)

Class	Original Class Notional Balance	Represents Approximately
<b>Security Group 13</b>		
CS .....	\$250,000,000	100% of YC (PT Class)
TP .....	250,000,000	100% of YC (PT Class)
TQ .....	250,000,000	100% of YC (PT Class)
<b>Security Group 14</b>		
AI .....	\$ 27,976,428	71.4285714286% of AB (SEQ Class)
AS .....	40,000,000	66.666666667% of the Subgroup 14A Trust Assets
BI .....	35,714,285	71.4285714286% of AB, AL and AM (in the aggregate) (SEQ Classes)
DS .....	60,000,000	66.666666667% of the Subgroup 14B Trust Assets
IA .....	31,251,428	71.4285714286% of AB and AL (in the aggregate) (SEQ Classes)
JS .....	100,000,000	100% of F (PT Class)
<b>Security Group 15</b>		
HS .....	\$ 50,000,000	100% of HF (PT Class)
<b>Security Group 16</b>		
IL .....	\$ 60,516,666	83.333333333% of LE and LG (in the aggregate) (SEQ Classes)
LI .....	49,193,333	83.333333333% of LE (SEQ Class)
MI .....	63,796,958	83.333333333% of LE, LG and LM (in the aggregate) (SEQ Classes)
SL .....	190,000,000	100% of FL, VF and WF (in the aggregate) (PT Classes)
<b>Security Group 17</b>		
LS .....	\$ 50,000,000	100% of LF (PT Class)
<b>Security Group 18</b>		
IT .....	\$ 10,000,000	100% of PF (PT Class)
SM .....	110,000,000	100% of FM, MF and PF (in the aggregate) (PT Classes)
SN .....	50,000,000	100% of FN (PT Class)
TM .....	25,000,000	100% of FM (PT Class)
<b>Security Group 20</b>		
IO .....	\$ 34,997,894	100% of the Group 20 Trust Assets
<b>Security Group 21</b>		
BS .....	\$ 50,000,000	100% of BF (PT Class)
<b>Security Group 22</b>		
SW .....	\$150,000,000	100% of YA (PT Class)
TC .....	150,000,000	100% of YA (PT Class)
TN .....	150,000,000	100% of YA (PT Class)
<b>Security Group 23</b>		
ST .....	\$ 90,000,000	100% of FT (PT Class)
<b>Security Group 24</b>		
JI .....	\$ 7,692,307	15.3846153846% of the Group 24 Trust Assets
PI .....	2,865,846	7.6923076923% of P (SC/PAC Class)
<b>Security Group 25</b>		
SX .....	\$ 50,000,000	100% of FX (PT Class)
TU .....	50,000,000	100% of FX (PT Class)
<b>Security Groups 18 and 25</b>		
SU .....	\$110,000,000	100% of FM, MF and PF (in the aggregate) (PT Classes)
	<u>50,000,000</u>	100% of FX (PT Class)
	<u>\$160,000,000</u>	
<b>Security Group 26</b>		
CI .....	\$ 12,452,142	71.4285714286% of CA (SEQ Class)
IC .....	14,285,714	71.4285714286% of CA and CB (in the aggregate) (SEQ Classes)
XS .....	80,000,000	100% of XF (PT Class)

**Tax Status:** Double REMIC Series. See *“Certain United States Federal Income Tax Consequences”* in this Supplement and in the Base Offering Circular.

**Regular and Residual Classes:** Class RR is a Residual Class and represents the Residual Interest of the Issuing REMIC and the Pooling REMIC. 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 (principal only securities, for example) 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 30-day Average SOFR will affect the yields on the floating rate and inverse floating rate securities.*** If 30-day Average 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 such index will generally reduce the yield on the floating rate securities; higher levels of such index 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 such index may affect your yield:

generally, the earlier a change, the greater the effect on your yield. It is doubtful that such index 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.

***Support securities will be more sensitive to rates of principal payments than other securities.*** If principal prepayments result in principal distributions on any distribution date equal to or less than the amount needed to produce scheduled payments on the PAC classes, the related support class will not receive any principal distribution on that date. If prepayments result in principal distributions on any distribution date greater than the amount needed to produce scheduled payments on the PAC classes for that distribution date, this excess will be distributed to the related support class.

***The rate of payments on the underlying certificates will directly affect the rate of payments on the group 2, 19, 20 and 24 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 reductions in notional balances of certain of the underlying certificates included in trust asset group 20 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 one of the underlying certificates included in trust asset group 20 are also previously issued certificates that represent beneficial ownership interests in separate trusts. The rate of payments on the previously issued certificates backing this underlying certificate will directly affect the timing and rate of payments on the group 20 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 this underlying certificate.

This supplement contains no information as to whether the related classes with which the notional underlying certificates reduce 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.

30-day Average 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. Market terms for securities indexed to 30-day Average SOFR may evolve over time, and trading prices of some securities indexed to 30-day Average SOFR may be lower than those of later-issued securities as a result. Similarly, if 30-day Average SOFR does not

prove to be widely used in similar securities, the trading price of related SOFR-Based Classes may be lower than those of securities linked to indices that are more widely used. Investors in SOFR-Based Classes may not be able to sell their securities at all or may not be able to sell their securities at prices that will provide them with a yield comparable to similar investments that have a developed secondary market, and may consequently suffer from increased pricing volatility and market risk.

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 30-day Average SOFR is no longer available, which could adversely affect the value of your investment in the floating rate and inverse floating rate securities.*** 30-day Average SOFR is published by the Federal Reserve Bank of New York based on data received from other sources, and neither Ginnie Mae nor the trustee has any control over its determination, calculation or publication. The activities of the Federal Reserve Bank of New York may directly affect prevailing 30-day Average SOFR in unpredictable ways. There can be no guarantee that 30-day Average SOFR will not be discontinued or fundamentally altered in a manner that is materially adverse to the interests of holders of securities indexed to 30-day Average SOFR. If the manner in which 30-day Average SOFR is calculated is changed or if 30-day Average SOFR is discontinued, that change or discontinuance may result in a reduction of the amount of interest payable on applicable SOFR-Based Classes and the trading prices of such Classes.

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 30-day Average SOFR at any time without notice. There can be no assurance

that 30-day Average 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 30-day Average 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 — Benchmark Replacement” 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 — Benchmark Replacement” 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 30-day Average SOFR or that any replacement rate will produce the economic equivalent of 30-day Average SOFR.

***The securities may not be a suitable investment for you.*** The securities, especially the group 2, 19, 20 and 24 securities and, in particular, the support, interest only, principal only, inverse floating rate, 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 1, 3 through 18, 21, 22, 23, 25 and 26)**

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.

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 2, 19, 20 and 24)**

The Group 2, 19, 20 and 24 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](http://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 1, 3 through 18, 21, 22, 23, 25 and 26 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 1, 3 through 18, 21, 22, 23, 25 and 26 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 principal or notional balance.

### Distributions

Distributions on the Securities will be made on each Distribution Date as specified under “Terms Sheet — Distribution Date” 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 on 30-day Average SOFR as described below.

The Interest Rate for the Floating Rate and Inverse Floating Rate Classes will be based on 30-day Average SOFR. The Trustee or its agent will determine 30-day Average SOFR as described under “Description of the Securities — Interest Rate Indices — Determination of 30-day Average SOFR” in the Base Offering Circular. In the case of the Group 2 Securities, the Trustee or its agent will use the same values of 30-day Average SOFR as are used for the related Underlying Certificates.

If 30-day Average 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 — Benchmark Replacement” in the Base Offering Circular.

The Trustee’s determination of 30-day Average SOFR and its calculation of the Interest Rates will be final except in the case of clear error. Investors can obtain 30-day Average SOFR levels and Interest Rates for the current and preceding Accrual Periods on [ginniemae.gov](http://ginniemae.gov) or by calling the Information Agent at (800) 234-GNMA.

### *Accrual Classes*

Each of Classes PZ and UZ 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 or Subgroup, as applicable, 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 Trust REMICs, 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 Trust REMICs after the Class Principal Balance or Class Notional Balance of each Class of Regular Securities 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 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 [ginniema.gov](http://ginniema.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. The exercise of this option may be influenced by a number of factors, including but not limited to, the value of the Trust Assets then remaining in the Trust and general market conditions. The Trustee will be entitled to retain all proceeds and any other amounts in excess of the termination price payable to the Securities under the Trust Agreement.

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 the Trust and retire the Securities.

Upon any termination of the Trust, the Holder of any 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 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 Trust REMICs after payment in full of the amounts described in the foregoing sentence. However, any remaining assets are not likely to be significant.

## **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 2, 3, 8, 9, 12, 13, 19, 20, 24, 25, 27, 28, 29, 31, 38, 39, 41 and 42, 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 2, 3, 8, 9, 12, 13, 19, 20, 24, 25, 27, 28, 29, 31, 38, 39, 41 and 42, 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 or 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 2024-097. 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 (or notional balance) of the Securities surrendered for exchange (but not less than \$2,000 or more than \$25,000); provided, however, that no fee will be payable in respect of an interest only security unless all securities involved in the exchange are interest only securities. 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 2, 19, 20 and 24 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 2, 19, 20 and 24 securities*” in this Supplement.

**Accretion Directed Classes**

Classes PA and PZ are Accretion Directed Classes. The related Accrual Amounts 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. Although the Accretion Directed Classes are entitled to receive payments from the related Accrual Amounts, they do not have principal payment stability through any constant prepayment rate significantly higher than 0% PSA, except within their Effective Range.

**Securities that Receive Principal on the Basis of Schedules**

As described in this Supplement, each PAC Class will receive principal payments in accordance with a schedule calculated on the basis of, among other things, a Structuring Range. See “*Terms Sheet — Scheduled Principal Balances*.” However, whether any such Class will adhere to its schedule and receive “Scheduled Payments” on a Distribution Date will largely depend on the level of prepayments experienced by the related Mortgage Loans.

Each PAC Class exhibits an Effective Range of constant prepayment rates at which such Class will receive Scheduled Payments. That range may differ from the Structuring Range used to create the related principal balance schedule. Based on the Modeling Assumptions, the *initial* Effective Ranges for the PAC Classes are as follows:

<u>Security Group</u>	<u>PAC Classes</u>	<u>Initial Effective Ranges</u>
9	PA and PZ (in the aggregate) . . . . .	200% PSA through 400% PSA
24	P . . . . .	150% PSA through 246% PSA

- The principal payment stability of the PAC Classes will be supported by the related Support Class.

**If the Class supporting a given Class is retired before the Class being supported is retired, the outstanding Class will no longer have an Effective Range and will become more sensitive to prepayments on the related Mortgage Loans.**

There is no assurance that the related Mortgage Loans will have the characteristics assumed in the Modeling Assumptions, which were used to determine the initial Effective Ranges. If the initial Effective Ranges were calculated using the actual characteristics of the related Mortgage Loans, the initial Effective Ranges could differ from those shown in the above table. Therefore, even if the Mortgage Loans were to prepay at a constant rate within the initial Effective Range shown for any Class in the above table, that Class could fail to receive Scheduled Payments.

Moreover, the related Mortgage Loans will not prepay at any *constant* rate. Non-constant prepayment rates can cause any PAC Class not to receive Scheduled Payments, even if prepayment rates remain within the initial Effective Range for that Class. Further, the Effective Range for any PAC Class

can narrow, shift over time or cease to exist depending on the actual characteristics of the related Mortgage Loans.

If the related Mortgage Loans prepay at rates that are generally below the Effective Range for any PAC Class, the amount available to pay principal on the Securities may be insufficient to produce Scheduled Payments on such related PAC Class, and its Weighted Average Life may be extended, perhaps significantly.

If the related Mortgage Loans prepay at rates that are generally above the Effective Range for any PAC Class, its supporting Class may be retired earlier than that PAC Class, and its Weighted Average Life may be shortened, perhaps significantly.

### **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 1, 3 through 18, 21, 22, 23, 25 and 26 Trust Assets have the assumed characteristics shown under “Assumed Characteristics of the Mortgage Loans Underlying the Group 1, 3 through 18, 21, 22, 23, 25 and 26 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 1, 3 through 11, 13 through 17, 21, 22, 23 or 26 Trust Asset is assumed to have an original and a remaining term to maturity of 360 months, each Mortgage Loan underlying a Group 12, 18 or 25 Trust Asset is assumed to have an original and a remaining term to maturity of 480 months and each Mortgage Loan underlying a Group 1, 3 through 18, 21, 22, 23, 25 or 26 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 Securities are always received on the 20th day of the month, whether or not a Business Day, commencing in July 2024.

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

5. The Closing Date for the Securities is June 28, 2024.

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 20th day of the month, 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	Classes AF, FA, FB, SB and TB				
	0%	100%	360%	600%	800%
Initial Percent .....	100	100	100	100	100
June 2025 .....	99	96	88	80	74
June 2026 .....	98	90	70	54	42
June 2027 .....	97	83	54	34	21
June 2028 .....	96	77	42	21	11
June 2029 .....	95	71	32	13	6
June 2030 .....	94	66	25	8	3
June 2031 .....	92	61	19	5	1
June 2032 .....	91	56	15	3	1
June 2033 .....	89	52	11	2	0
June 2034 .....	88	47	9	1	0
June 2035 .....	86	43	7	1	0
June 2036 .....	84	40	5	1	0
June 2037 .....	82	36	4	0	0
June 2038 .....	79	33	3	0	0
June 2039 .....	77	30	2	0	0
June 2040 .....	74	27	2	0	0
June 2041 .....	71	24	1	0	0
June 2042 .....	68	21	1	0	0
June 2043 .....	64	19	1	0	0
June 2044 .....	60	16	0	0	0
June 2045 .....	56	14	0	0	0
June 2046 .....	52	12	0	0	0
June 2047 .....	47	10	0	0	0
June 2048 .....	42	8	0	0	0
June 2049 .....	36	6	0	0	0
June 2050 .....	30	5	0	0	0
June 2051 .....	23	3	0	0	0
June 2052 .....	16	2	0	0	0
June 2053 .....	8	0	0	0	0
June 2054 .....	0	0	0	0	0
Weighted Average Life (years) .....	20.5	11.0	4.4	2.8	2.1

Security Group 2 PSA Prepayment Assumption Rates										
Distribution Date	Class S					Class TI				
	0%	100%	360%	600%	800%	0%	100%	360%	600%	800%
Initial Percent .....	100	100	100	100	100	100	100	100	100	100
June 2025 .....	99	97	91	85	81	99	97	92	87	83
June 2026 .....	98	91	75	61	50	98	92	76	63	53
June 2027 .....	97	85	58	38	26	97	85	59	40	27
June 2028 .....	95	79	45	24	13	95	79	46	25	14
June 2029 .....	94	73	35	15	7	94	73	35	16	7
June 2030 .....	92	67	27	10	3	93	68	27	10	4
June 2031 .....	91	62	21	6	2	91	63	21	6	2
June 2032 .....	89	57	16	4	1	89	58	16	4	1
June 2033 .....	87	53	12	2	0	87	53	12	2	0
June 2034 .....	85	49	9	1	0	86	49	10	2	0
June 2035 .....	83	44	7	1	0	83	45	7	1	0
June 2036 .....	81	41	5	1	0	81	41	6	1	0
June 2037 .....	79	37	4	0	0	79	37	4	0	0
June 2038 .....	76	34	3	0	0	76	34	3	0	0
June 2039 .....	73	31	2	0	0	73	31	2	0	0
June 2040 .....	70	28	2	0	0	71	28	2	0	0
June 2041 .....	67	25	1	0	0	67	25	1	0	0
June 2042 .....	64	22	1	0	0	64	22	1	0	0
June 2043 .....	60	19	1	0	0	60	20	1	0	0
June 2044 .....	56	17	1	0	0	56	17	1	0	0
June 2045 .....	52	15	0	0	0	52	15	0	0	0
June 2046 .....	47	13	0	0	0	48	13	0	0	0
June 2047 .....	42	11	0	0	0	43	11	0	0	0
June 2048 .....	37	9	0	0	0	38	9	0	0	0
June 2049 .....	31	7	0	0	0	32	7	0	0	0
June 2050 .....	25	5	0	0	0	26	6	0	0	0
June 2051 .....	19	4	0	0	0	20	4	0	0	0
June 2052 .....	12	2	0	0	0	13	2	0	0	0
June 2053 .....	4	1	0	0	0	5	1	0	0	0
June 2054 .....	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years) .....	19.6	11.3	4.7	3.0	2.3	19.7	11.4	4.8	3.1	2.4

**Security Group 3  
PSA Prepayment Assumption Rates**

Distribution Date	Class PT				
	0%	100%	240%	350%	500%
Initial Percent	100	100	100	100	100
June 2025	99	97	95	94	91
June 2026	98	92	85	80	73
June 2027	97	86	72	63	51
June 2028	96	80	61	49	35
June 2029	95	74	51	38	24
June 2030	93	68	43	29	17
June 2031	92	63	36	23	11
June 2032	90	58	30	18	8
June 2033	89	53	26	14	5
June 2034	87	49	21	11	4
June 2035	85	45	18	8	2
June 2036	83	41	15	6	2
June 2037	80	37	12	5	1
June 2038	78	34	10	4	1
June 2039	75	30	8	3	1
June 2040	73	27	7	2	0
June 2041	70	24	6	2	0
June 2042	66	22	4	1	0
June 2043	63	19	4	1	0
June 2044	59	17	3	1	0
June 2045	55	15	2	0	0
June 2046	50	12	2	0	0
June 2047	46	10	1	0	0
June 2048	40	9	1	0	0
June 2049	35	7	1	0	0
June 2050	29	5	0	0	0
June 2051	22	3	0	0	0
June 2052	16	2	0	0	0
June 2053	8	1	0	0	0
June 2054	0	0	0	0	0
Weighted Average Life (years)	20.2	11.3	6.7	5.0	3.8

**Security Group 4  
PSA Prepayment Assumption Rates**

Distribution Date	Classes D, DB, DC, DE, DG, DH and DI					Classes DJ, DK, DN, DO, DP, DQ, ID, GS and FD					Class DL					Class DM					
	0%	100%	365%	600%	800%	0%	100%	365%	600%	800%	0%	100%	365%	600%	800%	0%	100%	365%	600%	800%	
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June 2025	99	97	91	86	82	99	97	94	90	87	100	100	100	100	100	100	100	100	100	100	100
June 2026	98	90	72	56	44	98	93	79	68	59	100	100	100	100	100	100	100	100	100	100	100
June 2027	96	81	47	23	5	97	86	62	44	31	100	100	100	100	100	100	100	100	100	100	100
June 2028	95	72	28	0	0	96	80	48	28	16	100	100	100	100	0	100	100	100	100	51	0
June 2029	93	64	13	0	0	95	74	37	17	8	100	100	100	0	0	100	100	100	87	0	0
June 2030	92	57	1	0	0	94	69	28	11	4	100	100	100	0	0	100	100	100	0	0	0
June 2031	90	50	0	0	0	92	63	22	7	2	100	100	39	0	0	100	100	100	0	0	0
June 2032	88	43	0	0	0	91	58	17	4	1	100	100	0	0	0	100	100	66	0	0	0
June 2033	85	37	0	0	0	89	54	13	3	1	100	100	0	0	0	100	100	0	0	0	0
June 2034	83	31	0	0	0	88	50	10	2	0	100	100	0	0	0	100	100	0	0	0	0
June 2035	81	25	0	0	0	86	45	7	1	0	100	100	0	0	0	100	100	0	0	0	0
June 2036	78	20	0	0	0	84	42	6	1	0	100	100	0	0	0	100	100	0	0	0	0
June 2037	75	15	0	0	0	82	38	4	0	0	100	100	0	0	0	100	100	0	0	0	0
June 2038	72	10	0	0	0	79	35	3	0	0	100	100	0	0	0	100	100	0	0	0	0
June 2039	68	5	0	0	0	77	31	2	0	0	100	100	0	0	0	100	100	0	0	0	0
June 2040	64	1	0	0	0	74	28	2	0	0	100	100	0	0	0	100	100	0	0	0	0
June 2041	60	0	0	0	0	71	25	1	0	0	100	79	0	0	0	100	100	0	0	0	0
June 2042	56	0	0	0	0	68	23	1	0	0	100	50	0	0	0	100	100	0	0	0	0
June 2043	51	0	0	0	0	64	20	1	0	0	100	23	0	0	0	100	100	0	0	0	0
June 2044	46	0	0	0	0	60	18	1	0	0	100	0	0	0	0	100	93	0	0	0	0
June 2045	40	0	0	0	0	56	15	0	0	0	100	0	0	0	0	100	38	0	0	0	0
June 2046	34	0	0	0	0	52	13	0	0	0	100	0	0	0	0	100	0	0	0	0	0
June 2047	27	0	0	0	0	47	11	0	0	0	100	0	0	0	0	100	0	0	0	0	0
June 2048	20	0	0	0	0	42	9	0	0	0	100	0	0	0	0	100	0	0	0	0	0
June 2049	12	0	0	0	0	36	7	0	0	0	100	0	0	0	0	100	0	0	0	0	0
June 2050	4	0	0	0	0	30	6	0	0	0	100	0	0	0	0	100	0	0	0	0	0
June 2051	0	0	0	0	0	23	4	0	0	0	59	0	0	0	0	100	0	0	0	0	0
June 2052	0	0	0	0	0	16	3	0	0	0	0	0	0	0	0	58	0	0	0	0	0
June 2053	0	0	0	0	0	8	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
June 2054	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)	17.6	7.5	3.0	2.2	1.8	20.5	11.5	4.9	3.3	2.6	27.1	18.1	6.9	4.5	3.5	28.1	20.8	8.2	5.2	4.0	



**Security Group 4  
PSA Prepayment Assumption Rates**

Distribution Date	Class DT					Class DY					Classes E and YS					Class EA				
	0%	100%	365%	600%	800%	0%	100%	365%	600%	800%	0%	100%	365%	600%	800%	0%	100%	365%	600%	800%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June 2025	100	100	100	100	100	100	100	100	100	100	99	97	93	89	85	99	96	90	85	80
June 2026	100	100	100	100	100	100	100	100	100	100	98	92	78	66	57	98	89	70	54	41
June 2027	100	100	100	100	100	100	100	100	100	100	97	86	60	42	29	96	81	46	21	4
June 2028	100	100	100	100	58	100	100	100	100	100	96	80	47	27	15	95	72	27	0	0
June 2029	100	100	100	64	30	100	100	100	100	59	95	74	36	17	8	93	64	13	0	0
June 2030	100	100	100	40	15	100	100	100	79	30	94	68	28	11	4	92	57	1	0	0
June 2031	100	100	79	25	8	100	100	100	50	15	92	63	21	7	2	90	50	0	0	0
June 2032	100	100	61	16	4	100	100	100	31	8	91	58	16	4	1	88	43	0	0	0
June 2033	100	100	46	10	2	100	100	92	20	4	89	54	12	3	1	86	37	0	0	0
June 2034	100	100	35	6	1	100	100	70	12	2	88	49	9	2	0	83	31	0	0	0
June 2035	100	100	27	4	1	100	100	53	8	1	86	45	7	1	0	81	25	0	0	0
June 2036	100	100	21	2	0	100	100	41	5	1	84	41	5	1	0	78	20	0	0	0
June 2037	100	100	16	2	0	100	100	31	3	0	82	38	4	0	0	75	15	0	0	0
June 2038	100	100	12	1	0	100	100	23	2	0	79	34	3	0	0	72	10	0	0	0
June 2039	100	100	9	1	0	100	100	17	1	0	77	31	2	0	0	68	6	0	0	0
June 2040	100	100	7	0	0	100	100	13	1	0	74	28	2	0	0	65	2	0	0	0
June 2041	100	93	5	0	0	100	100	10	0	0	71	25	1	0	0	61	0	0	0	0
June 2042	100	83	4	0	0	100	100	7	0	0	68	22	1	0	0	56	0	0	0	0
June 2043	100	74	3	0	0	100	100	5	0	0	64	20	1	0	0	51	0	0	0	0
June 2044	100	65	2	0	0	100	100	4	0	0	60	18	1	0	0	46	0	0	0	0
June 2045	100	56	1	0	0	100	100	3	0	0	56	15	0	0	0	41	0	0	0	0
June 2046	100	49	1	0	0	100	96	2	0	0	52	13	0	0	0	34	0	0	0	0
June 2047	100	41	1	0	0	100	81	1	0	0	47	11	0	0	0	28	0	0	0	0
June 2048	100	34	0	0	0	100	67	1	0	0	42	9	0	0	0	21	0	0	0	0
June 2049	100	27	0	0	0	100	54	1	0	0	36	7	0	0	0	13	0	0	0	0
June 2050	100	21	0	0	0	100	42	0	0	0	30	6	0	0	0	5	0	0	0	0
June 2051	86	15	0	0	0	100	30	0	0	0	23	4	0	0	0	0	0	0	0	0
June 2052	59	10	0	0	0	100	19	0	0	0	16	3	0	0	0	0	0	0	0	0
June 2053	31	4	0	0	0	61	8	0	0	0	8	1	0	0	0	0	0	0	0	0
June 2054	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	28.3	22.2	9.8	6.2	4.7	29.2	25.5	12.3	7.7	5.7	20.5	11.4	4.8	3.2	2.5	17.6	7.5	3.0	2.1	1.8

**PSA Prepayment Assumption Rates**

Distribution Date	Class EC					Class EF					Class EL					Class EM				
	0%	100%	365%	600%	800%	0%	100%	365%	600%	800%	0%	100%	365%	600%	800%	0%	100%	365%	600%	800%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June 2025	99	97	91	86	82	99	97	93	89	86	100	100	100	100	100	100	100	100	100	100
June 2026	98	91	73	59	47	98	92	79	67	58	100	100	100	100	100	100	100	100	100	100
June 2027	97	83	52	30	15	97	86	61	43	30	100	100	100	100	100	100	100	100	100	100
June 2028	95	75	35	11	0	96	80	47	27	16	100	100	100	100	0	100	100	100	57	29
June 2029	94	68	22	0	0	95	74	36	17	8	100	100	100	0	0	100	100	100	63	29
June 2030	93	62	12	0	0	94	68	28	11	4	100	100	100	0	0	100	100	100	40	15
June 2031	91	55	5	0	0	92	63	21	7	2	100	100	41	0	0	100	100	80	25	8
June 2032	89	49	0	0	0	91	58	16	4	1	100	100	0	0	0	100	100	61	16	4
June 2033	87	44	0	0	0	89	54	13	3	1	100	100	0	0	0	100	100	47	10	2
June 2034	85	39	0	0	0	88	49	10	2	0	100	100	0	0	0	100	100	36	6	1
June 2035	83	34	0	0	0	86	45	7	1	0	100	100	0	0	0	100	100	27	4	1
June 2036	80	29	0	0	0	84	41	6	1	0	100	100	0	0	0	100	100	21	2	0
June 2037	78	25	0	0	0	82	38	4	0	0	100	100	0	0	0	100	100	16	1	0
June 2038	75	20	0	0	0	79	34	3	0	0	100	100	0	0	0	100	100	12	1	0
June 2039	72	17	0	0	0	77	31	2	0	0	100	100	0	0	0	100	100	9	1	0
June 2040	69	13	0	0	0	74	28	2	0	0	100	100	0	0	0	100	100	7	0	0
June 2041	65	9	0	0	0	71	25	1	0	0	100	85	0	0	0	100	95	5	0	0
June 2042	61	6	0	0	0	68	23	1	0	0	100	56	0	0	0	100	85	4	0	0
June 2043	57	3	0	0	0	64	20	1	0	0	100	28	0	0	0	100	75	3	0	0
June 2044	52	0	0	0	0	60	18	1	0	0	100	2	0	0	0	100	66	2	0	0
June 2045	47	0	0	0	0	56	15	0	0	0	100	0	0	0	0	100	57	1	0	0
June 2046	42	0	0	0	0	52	13	0	0	0	100	0	0	0	0	100	49	1	0	0
June 2047	36	0	0	0	0	47	11	0	0	0	100	0	0	0	0	100	42	1	0	0
June 2048	30	0	0	0	0	42	9	0	0	0	100	0	0	0	0	100	35	0	0	0
June 2049	23	0	0	0	0	36	7	0	0	0	100	0	0	0	0	100	28	0	0	0
June 2050	15	0	0	0	0	30	6	0	0	0	100	0	0	0	0	100	22	0	0	0
June 2051	7	0	0	0	0	23	4	0	0	0	66	0	0	0	0	88	15	0	0	0
June 2052	0	0	0	0	0	16	3	0	0	0	0	0	0	0	0	61	10	0	0	0
June 2053	0	0	0	0	0	8	1	0	0	0	0	0	0	0	0	32	4	0	0	0
June 2054	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	18.7	8.7	3.4	2.4	2.0	20.5	11.5	4.8	3.2	2.6	27.2	18.2	6.9	4.5	3.5	28.4	22.4	9.8	6.2	4.7

**Security Group 4  
PSA Prepayment Assumption Rates**

Distribution Date	Classes ES, NF, NS and SY					Class EY					Classes IN, NH, NJ, NK, NL and NM				
	0%	100%	365%	600%	800%	0%	100%	365%	600%	800%	0%	100%	365%	600%	800%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June 2025	99	97	94	90	87	100	100	100	100	100	100	100	100	100	100
June 2026	98	93	79	68	59	100	100	100	100	100	98	91	76	63	52
June 2027	97	86	62	44	31	100	100	100	100	100	97	84	55	35	20
June 2028	96	80	48	28	16	100	100	100	100	87	96	77	39	16	2
June 2029	95	74	37	17	8	100	100	100	97	45	94	70	26	4	0
June 2030	94	69	28	11	4	100	100	100	61	23	93	64	17	0	0
June 2031	92	63	22	7	2	100	100	100	38	12	91	57	9	0	0
June 2032	91	58	17	4	1	100	100	93	24	6	90	52	3	0	0
June 2033	89	54	13	3	1	100	100	72	15	3	88	46	0	0	0
June 2034	88	50	10	2	0	100	100	55	9	2	86	41	0	0	0
June 2035	86	45	7	1	0	100	100	42	6	1	84	37	0	0	0
June 2036	84	42	6	1	0	100	100	32	4	0	81	32	0	0	0
June 2037	82	38	4	0	0	100	100	24	2	0	79	28	0	0	0
June 2038	79	35	3	0	0	100	100	18	1	0	76	24	0	0	0
June 2039	77	31	2	0	0	100	100	14	1	0	73	20	0	0	0
June 2040	74	28	2	0	0	100	100	10	1	0	70	17	0	0	0
June 2041	71	25	1	0	0	100	100	8	0	0	66	13	0	0	0
June 2042	68	23	1	0	0	100	100	6	0	0	63	10	0	0	0
June 2043	64	20	1	0	0	100	100	4	0	0	59	7	0	0	0
June 2044	60	18	1	0	0	100	100	3	0	0	54	4	0	0	0
June 2045	56	15	0	0	0	100	88	2	0	0	49	2	0	0	0
June 2046	52	13	0	0	0	100	76	2	0	0	44	0	0	0	0
June 2047	47	11	0	0	0	100	64	1	0	0	39	0	0	0	0
June 2048	42	9	0	0	0	100	53	1	0	0	33	0	0	0	0
June 2049	36	7	0	0	0	100	43	1	0	0	26	0	0	0	0
June 2050	30	6	0	0	0	100	33	0	0	0	19	0	0	0	0
June 2051	23	4	0	0	0	100	24	0	0	0	11	0	0	0	0
June 2052	16	3	0	0	0	93	15	0	0	0	3	0	0	0	0
June 2053	8	1	0	0	0	49	7	0	0	0	0	0	0	0	0
June 2054	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	20.5	11.5	4.9	3.3	2.6	29.0	24.5	11.4	7.1	5.3	19.1	9.3	3.7	2.6	2.1

**PSA Prepayment Assumption Rates**

Distribution Date	Classes NA, NB, NC, ND, NE, NG and NI					Class SD					Class YD				
	0%	100%	365%	600%	800%	0%	100%	365%	600%	800%	0%	100%	365%	600%	800%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June 2025	99	97	92	88	84	99	97	94	90	87	100	100	100	100	100
June 2026	98	91	75	61	50	98	93	79	68	59	100	100	100	100	100
June 2027	97	83	53	31	16	97	86	62	44	31	100	100	100	100	100
June 2028	95	76	36	12	0	96	80	48	28	16	100	100	100	100	89
June 2029	94	68	23	0	0	95	74	37	17	8	100	100	100	97	45
June 2030	92	62	12	0	0	94	69	28	11	4	100	100	100	61	23
June 2031	91	55	4	0	0	92	63	22	7	2	100	100	100	38	12
June 2032	89	49	0	0	0	91	58	17	4	1	100	100	92	24	6
June 2033	87	44	0	0	0	89	54	13	3	1	100	100	71	15	3
June 2034	85	38	0	0	0	88	50	10	2	0	100	100	54	9	2
June 2035	83	33	0	0	0	86	45	7	1	0	100	100	41	6	1
June 2036	80	29	0	0	0	84	42	6	1	0	100	100	31	4	0
June 2037	78	24	0	0	0	82	38	4	0	0	100	100	24	2	0
June 2038	75	20	0	0	0	79	34	3	0	0	100	100	18	1	0
June 2039	72	16	0	0	0	77	31	2	0	0	100	100	13	1	0
June 2040	68	13	0	0	0	74	28	2	0	0	100	100	10	1	0
June 2041	65	9	0	0	0	71	25	1	0	0	100	100	8	0	0
June 2042	61	6	0	0	0	68	23	1	0	0	100	100	6	0	0
June 2043	56	3	0	0	0	64	20	1	0	0	100	100	4	0	0
June 2044	52	0	0	0	0	60	18	1	0	0	100	98	3	0	0
June 2045	47	0	0	0	0	56	15	0	0	0	100	86	2	0	0
June 2046	41	0	0	0	0	52	13	0	0	0	100	74	2	0	0
June 2047	35	0	0	0	0	47	11	0	0	0	100	62	1	0	0
June 2048	29	0	0	0	0	42	9	0	0	0	100	52	1	0	0
June 2049	22	0	0	0	0	36	7	0	0	0	100	42	1	0	0
June 2050	15	0	0	0	0	30	6	0	0	0	100	32	0	0	0
June 2051	7	0	0	0	0	23	4	0	0	0	100	23	0	0	0
June 2052	0	0	0	0	0	16	3	0	0	0	90	15	0	0	0
June 2053	0	0	0	0	0	8	1	0	0	0	47	6	0	0	0
June 2054	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	18.6	8.7	3.5	2.4	2.0	20.5	11.5	4.9	3.3	2.6	28.9	24.4	11.3	7.1	5.3

**Security Group 5  
PSA Prepayment Assumption Rates**

Distribution Date	Classes FG, G and SG						Class GA						Class GB					
	0%	100%	350%	600%	900%	1,200%	0%	100%	350%	600%	900%	1,200%	0%	100%	350%	600%	900%	1,200%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June 2025	99	97	92	88	82	76	99	97	91	86	79	72	100	100	100	100	100	100
June 2026	99	92	78	64	49	36	98	91	74	58	41	25	100	100	100	100	100	100
June 2027	98	86	61	41	23	10	97	83	54	30	9	0	100	100	100	100	100	68
June 2028	97	80	48	26	10	3	96	76	38	13	0	0	100	100	100	100	69	19
June 2029	96	74	37	16	5	1	95	69	26	2	0	0	100	100	100	100	31	5
June 2030	95	69	29	10	2	0	94	63	16	0	0	0	100	100	100	69	14	1
June 2031	94	63	23	7	1	0	93	57	9	0	0	0	100	100	100	43	6	0
June 2032	92	59	17	4	0	0	91	51	3	0	0	0	100	100	100	27	3	0
June 2033	91	54	14	3	0	0	89	46	0	0	0	0	100	100	90	17	1	0
June 2034	89	50	10	2	0	0	88	41	0	0	0	0	100	100	70	11	1	0
June 2035	88	46	8	1	0	0	86	36	0	0	0	0	100	100	54	7	0	0
June 2036	86	42	6	1	0	0	83	32	0	0	0	0	100	100	42	4	0	0
June 2037	84	38	5	0	0	0	81	28	0	0	0	0	100	100	32	3	0	0
June 2038	82	35	4	0	0	0	78	23	0	0	0	0	100	100	24	2	0	0
June 2039	79	32	3	0	0	0	76	20	0	0	0	0	100	100	19	1	0	0
June 2040	77	29	2	0	0	0	73	16	0	0	0	0	100	100	14	1	0	0
June 2041	74	26	2	0	0	0	69	13	0	0	0	0	100	100	11	0	0	0
June 2042	71	23	1	0	0	0	66	9	0	0	0	0	100	100	8	0	0	0
June 2043	67	21	1	0	0	0	61	6	0	0	0	0	100	100	6	0	0	0
June 2044	64	18	1	0	0	0	57	4	0	0	0	0	100	100	4	0	0	0
June 2045	59	16	0	0	0	0	52	1	0	0	0	0	100	100	3	0	0	0
June 2046	55	14	0	0	0	0	47	0	0	0	0	0	100	90	2	0	0	0
June 2047	50	11	0	0	0	0	41	0	0	0	0	0	100	76	2	0	0	0
June 2048	45	9	0	0	0	0	35	0	0	0	0	0	100	63	1	0	0	0
June 2049	39	8	0	0	0	0	28	0	0	0	0	0	100	50	1	0	0	0
June 2050	32	6	0	0	0	0	20	0	0	0	0	0	100	38	0	0	0	0
June 2051	25	4	0	0	0	0	12	0	0	0	0	0	100	26	0	0	0	0
June 2052	18	2	0	0	0	0	3	0	0	0	0	0	100	16	0	0	0	0
June 2053	9	1	0	0	0	0	0	0	0	0	0	0	61	5	0	0	0	0
June 2054	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	21.1	11.5	4.9	3.1	2.2	1.8	19.6	9.1	3.6	2.4	1.8	1.5	29.2	25.2	12.4	7.4	4.8	3.5

**Security Group 6  
PSA Prepayment Assumption Rates**

Distribution Date	Classes FH, HC, HD, HE, IH, OH and SH						Classes H, HA, HB, HI and HO						Class HY						
	0%	100%	300%	450%	700%	900%	0%	100%	300%	450%	700%	900%	0%	100%	300%	450%	700%	900%	
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June 2025	99	97	94	91	87	84	99	97	92	89	84	79	100	100	100	100	100	100	
June 2026	98	92	82	74	61	52	98	90	76	66	51	39	100	100	100	100	100	100	
June 2027	98	86	66	54	36	24	97	82	57	41	18	3	100	100	100	100	100	100	
June 2028	97	80	54	39	20	11	96	74	41	22	0	0	100	100	100	100	94	50	
June 2029	95	74	43	28	12	5	94	67	28	8	0	0	100	100	100	100	54	23	
June 2030	94	69	35	20	7	2	93	60	17	0	0	0	100	100	100	92	31	10	
June 2031	93	63	28	14	4	1	91	53	8	0	0	0	100	100	100	66	18	5	
June 2032	92	59	23	10	2	0	89	47	1	0	0	0	100	100	100	47	10	2	
June 2033	90	54	18	7	1	0	88	41	0	0	0	0	100	100	85	34	6	1	
June 2034	89	50	15	5	1	0	85	36	0	0	0	0	100	100	68	24	3	0	
June 2035	87	46	12	4	0	0	83	31	0	0	0	0	100	100	54	17	2	0	
June 2036	85	42	9	3	0	0	81	26	0	0	0	0	100	100	44	12	1	0	
June 2037	83	38	8	2	0	0	78	21	0	0	0	0	100	100	35	9	1	0	
June 2038	81	35	6	1	0	0	75	17	0	0	0	0	100	100	28	6	0	0	
June 2039	78	32	5	1	0	0	72	13	0	0	0	0	100	100	22	4	0	0	
June 2040	75	29	4	1	0	0	69	9	0	0	0	0	100	100	17	3	0	0	
June 2041	72	26	3	0	0	0	65	5	0	0	0	0	100	100	14	2	0	0	
June 2042	69	23	2	0	0	0	61	2	0	0	0	0	100	100	11	1	0	0	
June 2043	66	20	2	0	0	0	56	0	0	0	0	0	100	94	8	1	0	0	
June 2044	62	18	1	0	0	0	51	0	0	0	0	0	100	83	6	1	0	0	
June 2045	58	16	1	0	0	0	46	0	0	0	0	0	100	72	5	0	0	0	
June 2046	53	14	1	0	0	0	41	0	0	0	0	0	100	62	4	0	0	0	
June 2047	49	11	1	0	0	0	34	0	0	0	0	0	100	53	3	0	0	0	
June 2048	43	10	0	0	0	0	28	0	0	0	0	0	100	44	2	0	0	0	
June 2049	37	8	0	0	0	0	20	0	0	0	0	0	100	35	1	0	0	0	
June 2050	31	6	0	0	0	0	12	0	0	0	0	0	100	27	1	0	0	0	
June 2051	24	4	0	0	0	0	3	0	0	0	0	0	100	20	1	0	0	0	
June 2052	17	3	0	0	0	0	0	0	0	0	0	0	78	12	0	0	0	0	
June 2053	9	1	0	0	0	0	0	0	0	0	0	0	41	5	0	0	0	0	
June 2054	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Weighted Average Life (years)	20.8	11.6	5.7	4.1	2.8	2.3	18.6	8.2	3.7	2.8	2.0	1.7	28.8	23.6	12.6	8.8	5.7	4.4	

**Security Group 7  
PSA Prepayment Assumption Rates**

**Classes DA, EJ, FP, FQ, FY, GF, JF, MS, SK, SQ, TA,  
TH and TJ**

<u>Distribution Date</u>	<u>0%</u>	<u>100%</u>	<u>365%</u>	<u>600%</u>	<u>800%</u>
Initial Percent .....	100	100	100	100	100
June 2025 .....	99	97	93	89	85
June 2026 .....	98	92	78	66	56
June 2027 .....	97	86	60	42	29
June 2028 .....	96	79	46	27	15
June 2029 .....	95	73	36	17	8
June 2030 .....	93	68	27	11	4
June 2031 .....	92	63	21	7	2
June 2032 .....	90	58	16	4	1
June 2033 .....	89	53	12	3	1
June 2034 .....	87	49	9	2	0
June 2035 .....	85	45	7	1	0
June 2036 .....	83	41	5	1	0
June 2037 .....	80	37	4	0	0
June 2038 .....	78	34	3	0	0
June 2039 .....	75	31	2	0	0
June 2040 .....	73	28	2	0	0
June 2041 .....	70	25	1	0	0
June 2042 .....	66	22	1	0	0
June 2043 .....	63	20	1	0	0
June 2044 .....	59	17	1	0	0
June 2045 .....	55	15	0	0	0
June 2046 .....	50	13	0	0	0
June 2047 .....	46	11	0	0	0
June 2048 .....	40	9	0	0	0
June 2049 .....	35	7	0	0	0
June 2050 .....	29	6	0	0	0
June 2051 .....	22	4	0	0	0
June 2052 .....	16	2	0	0	0
June 2053 .....	8	1	0	0	0
June 2054 .....	0	0	0	0	0
Weighted Average Life (years) .....	20.2	11.4	4.8	3.2	2.5

**Security Groups 4 and 7  
PSA Prepayment Assumption Rates**

**Class QF**

<u>Distribution Date</u>	<u>0%</u>	<u>100%</u>	<u>365%</u>	<u>600%</u>	<u>800%</u>
Initial Percent .....	100	100	100	100	100
June 2025 .....	99	97	93	89	86
June 2026 .....	98	92	79	67	58
June 2027 .....	97	86	61	43	30
June 2028 .....	96	80	47	27	15
June 2029 .....	95	74	36	17	8
June 2030 .....	94	68	28	11	4
June 2031 .....	92	63	21	7	2
June 2032 .....	91	58	16	4	1
June 2033 .....	89	53	12	3	1
June 2034 .....	87	49	10	2	0
June 2035 .....	85	45	7	1	0
June 2036 .....	83	41	6	1	0
June 2037 .....	81	38	4	0	0
June 2038 .....	79	34	3	0	0
June 2039 .....	76	31	2	0	0
June 2040 .....	73	28	2	0	0
June 2041 .....	70	25	1	0	0
June 2042 .....	67	22	1	0	0
June 2043 .....	63	20	1	0	0
June 2044 .....	60	17	1	0	0
June 2045 .....	56	15	0	0	0
June 2046 .....	51	13	0	0	0
June 2047 .....	46	11	0	0	0
June 2048 .....	41	9	0	0	0
June 2049 .....	36	7	0	0	0
June 2050 .....	29	6	0	0	0
June 2051 .....	23	4	0	0	0
June 2052 .....	16	3	0	0	0
June 2053 .....	8	1	0	0	0
June 2054 .....	0	0	0	0	0
Weighted Average Life (years) .....	20.4	11.4	4.8	3.2	2.6

**Security Group 8  
PSA Prepayment Assumption Rates**

Distribution Date	Classes IK, KC, KN, KP, KQ, KT, KU, KV and OK					Classes K, KF and KS					Classes KA, KB, KD, KE, KG, KH, KI, KJ and KO				
	0%	100%	240%	350%	500%	0%	100%	240%	350%	500%	0%	100%	240%	350%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June 2025	99	97	94	92	89	99	97	95	94	91	99	96	93	91	87
June 2026	97	90	81	74	64	98	92	85	80	73	97	89	78	70	59
June 2027	96	82	64	51	36	97	86	72	63	51	96	79	59	44	27
June 2028	95	73	49	33	15	96	80	61	49	35	94	70	42	24	3
June 2029	93	66	37	19	1	95	74	52	38	24	92	61	28	8	0
June 2030	91	58	26	8	0	93	68	43	30	17	90	53	16	0	0
June 2031	89	51	17	0	0	92	63	36	23	11	88	45	5	0	0
June 2032	87	45	9	0	0	90	58	31	18	8	86	37	0	0	0
June 2033	85	39	3	0	0	89	53	26	14	5	83	31	0	0	0
June 2034	83	33	0	0	0	87	49	21	11	4	80	24	0	0	0
June 2035	80	28	0	0	0	85	45	18	8	3	77	18	0	0	0
June 2036	77	23	0	0	0	83	41	15	6	2	74	12	0	0	0
June 2037	74	18	0	0	0	80	37	12	5	1	71	7	0	0	0
June 2038	71	14	0	0	0	78	34	10	4	1	67	2	0	0	0
June 2039	68	9	0	0	0	75	31	8	3	1	63	0	0	0	0
June 2040	64	5	0	0	0	73	28	7	2	0	59	0	0	0	0
June 2041	60	2	0	0	0	70	25	6	2	0	55	0	0	0	0
June 2042	56	0	0	0	0	66	22	5	1	0	50	0	0	0	0
June 2043	51	0	0	0	0	63	20	4	1	0	44	0	0	0	0
June 2044	46	0	0	0	0	59	17	3	1	0	39	0	0	0	0
June 2045	41	0	0	0	0	55	15	2	0	0	33	0	0	0	0
June 2046	35	0	0	0	0	50	13	2	0	0	26	0	0	0	0
June 2047	29	0	0	0	0	46	11	1	0	0	19	0	0	0	0
June 2048	22	0	0	0	0	40	9	1	0	0	11	0	0	0	0
June 2049	15	0	0	0	0	35	7	1	0	0	3	0	0	0	0
June 2050	7	0	0	0	0	29	6	1	0	0	0	0	0	0	0
June 2051	0	0	0	0	0	22	4	0	0	0	0	0	0	0	0
June 2052	0	0	0	0	0	16	3	0	0	0	0	0	0	0	0
June 2053	0	0	0	0	0	8	1	0	0	0	0	0	0	0	0
June 2054	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	17.7	7.8	4.3	3.3	2.6	20.2	11.4	6.7	5.0	3.8	16.5	6.7	3.7	2.9	2.3

**PSA Prepayment Assumption Rates**

Distribution Date	Class KL					Class KM					Class KY				
	0%	100%	240%	350%	500%	0%	100%	240%	350%	500%	0%	100%	240%	350%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June 2025	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June 2026	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June 2027	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June 2028	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June 2029	100	100	100	100	6	100	100	100	100	100	100	100	100	100	74
June 2030	100	100	100	64	0	100	100	100	100	71	100	100	100	90	51
June 2031	100	100	100	0	0	100	100	100	97	49	100	100	100	70	35
June 2032	100	100	76	0	0	100	100	100	75	33	100	100	93	54	24
June 2033	100	100	22	0	0	100	100	100	58	23	100	100	78	42	16
June 2034	100	100	0	0	0	100	100	91	45	16	100	100	65	32	11
June 2035	100	100	0	0	0	100	100	76	35	11	100	100	54	25	8
June 2036	100	100	0	0	0	100	100	63	27	7	100	100	45	19	5
June 2037	100	100	0	0	0	100	100	52	20	5	100	100	38	15	4
June 2038	100	100	0	0	0	100	100	43	16	3	100	100	31	11	2
June 2039	100	77	0	0	0	100	100	36	12	2	100	94	26	8	2
June 2040	100	45	0	0	0	100	100	29	9	2	100	84	21	6	1
June 2041	100	14	0	0	0	100	100	24	7	1	100	76	17	5	1
June 2042	100	0	0	0	0	100	94	19	5	1	100	67	14	4	0
June 2043	100	0	0	0	0	100	83	16	4	0	100	60	11	3	0
June 2044	100	0	0	0	0	100	73	13	3	0	100	53	9	2	0
June 2045	100	0	0	0	0	100	64	10	2	0	100	46	7	1	0
June 2046	100	0	0	0	0	100	55	8	1	0	100	39	6	1	0
June 2047	100	0	0	0	0	100	46	6	1	0	100	33	4	1	0
June 2048	100	0	0	0	0	100	38	5	1	0	100	28	3	1	0
June 2049	100	0	0	0	0	100	31	3	0	0	100	22	2	0	0
June 2050	58	0	0	0	0	100	24	2	0	0	88	17	2	0	0
June 2051	0	0	0	0	0	95	17	2	0	0	68	12	1	0	0
June 2052	0	0	0	0	0	66	11	1	0	0	47	8	1	0	0
June 2053	0	0	0	0	0	34	5	0	0	0	25	4	0	0	0
June 2054	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	26.1	15.9	8.5	6.2	4.6	28.5	22.9	14.5	10.7	7.7	27.8	20.9	12.8	9.4	6.9

**Security Group 9  
PSA Prepayment Assumption Rates**

Distribution Date	Class PA					Class PZ					Class UZ				
	0%	200%	300%	400%	600%	0%	200%	300%	400%	600%	0%	200%	300%	400%	600%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June 2025	98	94	94	94	94	108	108	108	108	108	108	108	99	90	72
June 2026	95	82	82	82	82	116	116	116	116	116	116	116	87	58	1
June 2027	92	66	66	66	53	125	125	125	125	125	125	125	71	21	0
June 2028	89	52	52	52	33	135	135	135	135	135	135	135	64	3	0
June 2029	85	40	40	40	21	145	145	145	145	145	145	145	65	0	0
June 2030	82	29	29	29	13	157	157	157	157	157	157	157	64	0	0
June 2031	78	22	22	22	8	169	169	169	169	169	169	169	60	0	0
June 2032	74	16	16	16	5	182	182	182	182	182	182	182	55	0	0
June 2033	69	12	12	12	2	196	196	196	196	196	196	196	49	0	0
June 2034	64	8	8	8	1	211	211	211	211	211	211	211	43	0	0
June 2035	58	6	6	6	0	228	228	228	228	228	228	228	37	0	0
June 2036	52	4	4	4	0	245	245	245	245	190	245	96	32	0	0
June 2037	46	3	3	3	0	264	264	264	264	118	264	85	27	0	0
June 2038	39	2	2	2	0	285	285	285	285	73	285	75	22	0	0
June 2039	31	1	1	1	0	307	307	307	307	45	307	65	18	0	0
June 2040	23	0	0	0	0	331	331	331	331	28	331	56	15	0	0
June 2041	14	0	0	0	0	356	253	253	253	17	356	48	12	0	0
June 2042	5	0	0	0	0	384	182	182	182	10	384	41	10	0	0
June 2043	0	0	0	0	0	130	130	130	130	6	393	34	8	0	0
June 2044	0	0	0	0	0	92	92	92	92	4	371	28	6	0	0
June 2045	0	0	0	0	0	65	65	65	65	2	348	23	5	0	0
June 2046	0	0	0	0	0	45	45	45	45	1	322	19	4	0	0
June 2047	0	0	0	0	0	30	30	30	30	1	293	15	3	0	0
June 2048	0	0	0	0	0	20	20	20	20	0	262	11	2	0	0
June 2049	0	0	0	0	0	13	13	13	13	0	228	8	1	0	0
June 2050	0	0	0	0	0	8	8	8	8	0	190	6	1	0	0
June 2051	0	0	0	0	0	4	4	4	4	0	149	4	1	0	0
June 2052	0	0	0	0	0	2	2	2	2	0	103	2	0	0	0
June 2053	0	0	0	0	0	0	0	0	0	0	54	0	0	0	0
June 2054	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	11.5	4.9	4.9	4.9	3.6	19.6	19.0	19.0	19.0	13.6	25.3	15.0	9.0	2.2	1.3

**Security Group 10  
PSA Prepayment Assumption Rates**

Distribution Date	Class BT				
	0%	100%	240%	350%	500%
Initial Percent	100	100	100	100	100
June 2025	99	97	95	94	91
June 2026	98	92	85	80	73
June 2027	97	86	72	63	51
June 2028	96	80	61	49	35
June 2029	95	74	51	38	24
June 2030	93	68	43	29	17
June 2031	92	63	36	23	11
June 2032	90	58	30	18	8
June 2033	89	53	26	14	5
June 2034	87	49	21	11	4
June 2035	85	45	18	8	2
June 2036	83	41	15	6	2
June 2037	80	37	12	5	1
June 2038	78	34	10	4	1
June 2039	75	30	8	3	1
June 2040	73	27	7	2	0
June 2041	70	24	6	2	0
June 2042	66	22	4	1	0
June 2043	63	19	4	1	0
June 2044	59	17	3	1	0
June 2045	55	15	2	0	0
June 2046	50	12	2	0	0
June 2047	46	10	1	0	0
June 2048	40	9	1	0	0
June 2049	35	7	1	0	0
June 2050	29	5	0	0	0
June 2051	22	3	0	0	0
June 2052	16	2	0	0	0
June 2053	8	1	0	0	0
June 2054	0	0	0	0	0
Weighted Average Life (years)	20.2	11.3	6.7	5.0	3.8

**Security Group 11  
PSA Prepayment Assumption Rates**

<b>Distribution Date</b>	<b>Classes FC and SC</b>					
	<b>0%</b>	<b>100%</b>	<b>450%</b>	<b>750%</b>	<b>1,150%</b>	<b>1,500%</b>
Initial Percent . . .	100	100	100	100	100	100
June 2025 . . . . .	99	97	88	80	70	61
June 2026 . . . . .	99	91	68	50	30	15
June 2027 . . . . .	98	85	49	27	9	1
June 2028 . . . . .	97	79	35	15	3	0
June 2029 . . . . .	96	73	26	8	1	0
June 2030 . . . . .	95	68	18	4	0	0
June 2031 . . . . .	94	63	13	2	0	0
June 2032 . . . . .	93	58	10	1	0	0
June 2033 . . . . .	92	54	7	1	0	0
June 2034 . . . . .	90	50	5	0	0	0
June 2035 . . . . .	89	46	3	0	0	0
June 2036 . . . . .	87	42	2	0	0	0
June 2037 . . . . .	85	38	2	0	0	0
June 2038 . . . . .	83	35	1	0	0	0
June 2039 . . . . .	81	32	1	0	0	0
June 2040 . . . . .	78	29	1	0	0	0
June 2041 . . . . .	75	26	0	0	0	0
June 2042 . . . . .	72	23	0	0	0	0
June 2043 . . . . .	69	20	0	0	0	0
June 2044 . . . . .	65	18	0	0	0	0
June 2045 . . . . .	61	16	0	0	0	0
June 2046 . . . . .	56	13	0	0	0	0
June 2047 . . . . .	51	11	0	0	0	0
June 2048 . . . . .	46	9	0	0	0	0
June 2049 . . . . .	40	7	0	0	0	0
June 2050 . . . . .	33	5	0	0	0	0
June 2051 . . . . .	26	4	0	0	0	0
June 2052 . . . . .	18	2	0	0	0	0
June 2053 . . . . .	10	0	0	0	0	0
June 2054 . . . . .	0	0	0	0	0	0
Weighted Average Life (years) . . . .	21.3	11.5	3.8	2.4	1.6	1.3

**Security Group 12  
PSA Prepayment Assumption Rates**

<u>Distribution Date</u>	<u>Classes FE and SE</u>				
	<u>0%</u>	<u>100%</u>	<u>350%</u>	<u>550%</u>	<u>700%</u>
Initial Percent . . . . .	100	100	100	100	100
June 2025 . . . . .	100	98	94	90	88
June 2026 . . . . .	99	93	80	69	62
June 2027 . . . . .	99	87	63	47	36
June 2028 . . . . .	98	82	49	31	21
June 2029 . . . . .	98	76	39	21	12
June 2030 . . . . .	97	71	30	14	7
June 2031 . . . . .	97	66	24	9	4
June 2032 . . . . .	96	62	19	6	2
June 2033 . . . . .	95	58	15	4	1
June 2034 . . . . .	95	54	11	3	1
June 2035 . . . . .	94	50	9	2	0
June 2036 . . . . .	93	46	7	1	0
June 2037 . . . . .	92	43	5	1	0
June 2038 . . . . .	91	40	4	1	0
June 2039 . . . . .	90	37	3	0	0
June 2040 . . . . .	89	34	3	0	0
June 2041 . . . . .	88	32	2	0	0
June 2042 . . . . .	86	29	2	0	0
June 2043 . . . . .	85	27	1	0	0
June 2044 . . . . .	83	25	1	0	0
June 2045 . . . . .	81	23	1	0	0
June 2046 . . . . .	79	21	1	0	0
June 2047 . . . . .	77	19	0	0	0
June 2048 . . . . .	75	17	0	0	0
June 2049 . . . . .	73	16	0	0	0
June 2050 . . . . .	70	14	0	0	0
June 2051 . . . . .	67	13	0	0	0
June 2052 . . . . .	64	11	0	0	0
June 2053 . . . . .	61	10	0	0	0
June 2054 . . . . .	57	9	0	0	0
June 2055 . . . . .	53	8	0	0	0
June 2056 . . . . .	49	7	0	0	0
June 2057 . . . . .	45	6	0	0	0
June 2058 . . . . .	40	5	0	0	0
June 2059 . . . . .	34	4	0	0	0
June 2060 . . . . .	28	3	0	0	0
June 2061 . . . . .	22	2	0	0	0
June 2062 . . . . .	15	1	0	0	0
June 2063 . . . . .	8	0	0	0	0
June 2064 . . . . .	0	0	0	0	0
Weighted Average					
Life (years) . . . . .	29.2	13.5	5.2	3.5	2.9



**Security Group 13  
PSA Prepayment Assumption Rates**

Distribution Date	Classes CF, CS, DF, TP, TQ and YC				
	0%	100%	365%	600%	800%
Initial Percent	100	100	100	100	100
June 2025	99	97	92	88	84
June 2026	98	92	77	64	54
June 2027	97	85	59	41	28
June 2028	96	79	46	26	14
June 2029	95	73	35	16	7
June 2030	94	68	27	10	4
June 2031	92	63	21	6	2
June 2032	91	58	16	4	1
June 2033	89	53	12	3	1
June 2034	88	49	9	2	0
June 2035	86	45	7	1	0
June 2036	84	41	5	1	0
June 2037	82	38	4	0	0
June 2038	79	34	3	0	0
June 2039	77	31	2	0	0
June 2040	74	28	2	0	0
June 2041	71	25	1	0	0
June 2042	68	22	1	0	0
June 2043	64	20	1	0	0
June 2044	60	17	1	0	0
June 2045	56	15	0	0	0
June 2046	52	13	0	0	0
June 2047	47	11	0	0	0
June 2048	42	9	0	0	0
June 2049	36	7	0	0	0
June 2050	30	6	0	0	0
June 2051	23	4	0	0	0
June 2052	16	2	0	0	0
June 2053	8	1	0	0	0
June 2054	0	0	0	0	0
Weighted Average Life (years)	20.5	11.4	4.7	3.1	2.5

**Security Group 14  
PSA Prepayment Assumption Rates**

Distribution Date	Classes A, BG, BH, BI, BJ, BO, F and JS					Classes AB, AC, AD, AE, AI and AO					Classes AG, AH, AJ, AK, IA and OA					Class AL					
	0%	100%	240%	350%	500%	0%	100%	240%	350%	500%	0%	100%	240%	350%	500%	0%	100%	240%	350%	500%	
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June 2025	99	98	95	94	92	99	97	94	92	89	99	97	95	93	90	100	100	100	100	100	100
June 2026	98	93	86	80	73	98	91	82	75	65	98	92	84	77	69	100	100	100	100	100	100
June 2027	98	86	73	63	51	97	83	65	53	37	97	84	69	58	44	100	100	100	100	100	100
June 2028	97	80	62	49	35	96	75	51	35	17	96	77	56	42	26	100	100	100	100	100	100
June 2029	95	74	52	38	24	94	67	39	21	3	95	71	45	30	14	100	100	100	100	100	100
June 2030	94	69	44	30	17	93	60	28	10	0	94	64	36	20	5	100	100	100	100	100	47
June 2031	93	64	37	23	12	91	54	19	2	0	92	58	28	12	0	100	100	100	100	0	0
June 2032	92	59	31	18	8	89	47	12	0	0	91	53	21	6	0	100	100	100	60	0	0
June 2033	90	54	26	14	5	88	41	6	0	0	89	48	15	2	0	100	100	100	16	0	0
June 2034	89	50	22	11	4	85	36	0	0	0	87	43	11	0	0	100	100	100	0	0	0
June 2035	87	46	18	8	3	83	31	0	0	0	85	38	7	0	0	100	100	62	0	0	0
June 2036	85	42	15	6	2	81	26	0	0	0	83	34	3	0	0	100	100	29	0	0	0
June 2037	83	38	13	5	1	78	21	0	0	0	80	29	0	0	0	100	100	1	0	0	0
June 2038	81	35	10	4	1	75	17	0	0	0	78	25	0	0	0	100	100	0	0	0	0
June 2039	78	32	9	3	1	72	13	0	0	0	75	22	0	0	0	100	100	0	0	0	0
June 2040	75	28	7	2	0	69	9	0	0	0	72	18	0	0	0	100	100	0	0	0	0
June 2041	72	26	6	2	0	65	5	0	0	0	69	15	0	0	0	100	100	0	0	0	0
June 2042	69	23	5	1	0	61	1	0	0	0	65	12	0	0	0	100	100	0	0	0	0
June 2043	66	20	4	1	0	56	0	0	0	0	61	9	0	0	0	100	85	0	0	0	0
June 2044	62	18	3	1	0	52	0	0	0	0	57	6	0	0	0	100	58	0	0	0	0
June 2045	58	15	2	0	0	46	0	0	0	0	52	3	0	0	0	100	33	0	0	0	0
June 2046	53	13	2	0	0	41	0	0	0	0	47	1	0	0	0	100	9	0	0	0	0
June 2047	49	11	1	0	0	34	0	0	0	0	41	0	0	0	0	100	0	0	0	0	0
June 2048	43	9	1	0	0	28	0	0	0	0	35	0	0	0	0	100	0	0	0	0	0
June 2049	37	7	1	0	0	20	0	0	0	0	29	0	0	0	0	100	0	0	0	0	0
June 2050	31	6	1	0	0	12	0	0	0	0	21	0	0	0	0	100	0	0	0	0	0
June 2051	24	4	0	0	0	3	0	0	0	0	14	0	0	0	0	100	0	0	0	0	0
June 2052	17	2	0	0	0	0	0	0	0	0	5	0	0	0	0	48	0	0	0	0	0
June 2053	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
June 2054	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)	20.8	11.5	6.8	5.1	3.8	18.6	8.2	4.5	3.4	2.6	19.6	9.5	5.2	3.9	3.0	28.0	20.4	11.4	8.3	6.0	

**Security Group 14  
PSA Prepayment Assumption Rates**

Distribution Date	Class AM					Class AS					Class AY					Class DS				
	0%	100%	240%	350%	500%	0%	100%	240%	350%	500%	0%	100%	240%	350%	500%	0%	100%	240%	350%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June 2025	100	100	100	100	100	99	98	95	94	92	100	100	100	100	100	99	98	95	94	92
June 2026	100	100	100	100	100	98	93	86	80	73	100	100	100	100	100	98	93	86	80	73
June 2027	100	100	100	100	100	98	86	73	63	51	100	100	100	100	100	98	86	73	63	51
June 2028	100	100	100	100	100	97	80	62	49	35	100	100	100	100	100	97	80	61	49	35
June 2029	100	100	100	100	100	95	74	52	38	24	100	100	100	100	100	95	74	52	38	24
June 2030	100	100	100	100	100	94	69	44	30	17	100	100	100	100	77	94	69	44	30	17
June 2031	100	100	100	100	93	93	64	37	23	12	100	100	100	100	53	93	64	37	23	12
June 2032	100	100	100	100	64	92	59	31	18	8	100	100	100	83	37	92	59	31	18	8
June 2033	100	100	100	100	44	90	54	26	14	5	100	100	100	64	25	90	54	26	14	5
June 2034	100	100	100	86	30	89	50	22	11	4	100	100	100	50	17	89	50	22	11	4
June 2035	100	100	100	66	20	87	46	18	8	3	100	100	84	38	12	87	46	18	8	3
June 2036	100	100	100	51	14	85	42	15	6	2	100	100	70	29	8	85	42	15	6	2
June 2037	100	100	100	39	9	83	38	13	5	1	100	100	58	23	5	83	38	13	5	1
June 2038	100	100	84	30	6	81	35	10	4	1	100	100	48	17	4	81	35	10	4	1
June 2039	100	100	69	23	4	78	32	9	3	1	100	100	40	13	3	78	32	9	3	1
June 2040	100	100	57	17	3	75	29	7	2	0	100	100	33	10	2	75	28	7	2	0
June 2041	100	100	47	13	2	72	26	6	2	0	100	100	27	8	1	72	26	6	2	0
June 2042	100	100	38	10	1	69	23	5	1	0	100	100	22	6	1	69	23	5	1	0
June 2043	100	100	31	7	1	66	20	4	1	0	100	93	18	4	0	66	20	4	1	0
June 2044	100	100	24	5	1	62	18	3	1	0	100	82	14	3	0	62	18	3	1	0
June 2045	100	100	19	4	0	58	16	2	0	0	100	72	11	2	0	58	15	2	0	0
June 2046	100	100	15	3	0	53	13	2	0	0	100	61	9	2	0	53	13	2	0	0
June 2047	100	90	12	2	0	49	11	1	0	0	100	52	7	1	0	49	11	1	0	0
June 2048	100	74	9	1	0	43	9	1	0	0	100	43	5	1	0	43	9	1	0	0
June 2049	100	59	6	1	0	37	7	1	0	0	100	34	4	1	0	37	7	1	0	0
June 2050	100	45	4	1	0	31	6	1	0	0	100	26	3	0	0	31	6	1	0	0
June 2051	100	32	3	0	0	24	4	0	0	0	100	18	2	0	0	24	4	0	0	0
June 2052	100	19	2	0	0	17	2	0	0	0	78	11	1	0	0	17	2	0	0	0
June 2053	71	7	1	0	0	9	1	0	0	0	41	4	0	0	0	9	1	0	0	0
June 2054	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	29.3	25.8	17.7	13.1	9.4	20.8	11.6	6.8	5.1	3.8	28.8	23.5	15.1	11.1	8.0	20.8	11.5	6.8	5.1	3.8

**Security Group 15  
PSA Prepayment Assumption Rates**

Distribution Date	Classes HF and HS				
	0%	100%	367%	600%	800%
Initial Percent	100	100	100	100	100
June 2025	99	98	94	90	87
June 2026	98	93	79	68	59
June 2027	97	86	62	44	31
June 2028	96	80	47	28	16
June 2029	95	74	36	17	8
June 2030	94	69	28	11	4
June 2031	92	63	21	7	2
June 2032	91	59	16	4	1
June 2033	89	54	13	3	1
June 2034	88	50	10	2	0
June 2035	86	46	7	1	0
June 2036	84	42	6	1	0
June 2037	82	38	4	0	0
June 2038	79	35	3	0	0
June 2039	77	31	2	0	0
June 2040	74	28	2	0	0
June 2041	71	25	1	0	0
June 2042	68	23	1	0	0
June 2043	64	20	1	0	0
June 2044	60	18	1	0	0
June 2045	56	15	0	0	0
June 2046	52	13	0	0	0
June 2047	47	11	0	0	0
June 2048	42	9	0	0	0
June 2049	36	8	0	0	0
June 2050	30	6	0	0	0
June 2051	23	4	0	0	0
June 2052	16	3	0	0	0
June 2053	8	1	0	0	0
June 2054	0	0	0	0	0
Weighted Average Life (years)	20.5	11.5	4.9	3.3	2.6

**Security Group 16  
PSA Prepayment Assumption Rates**

Distribution Date	Class FL					Classes II, LN, LP, LQ, LT, LU, LV and OL					Class LA					Class LB				
	0%	100%	240%	350%	500%	0%	100%	240%	350%	500%	0%	100%	240%	350%	500%	0%	100%	240%	350%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June 2025	99	97	95	93	91	99	97	95	93	91	99	96	93	91	88	100	100	100	100	100
June 2026	98	92	85	79	72	98	92	85	79	71	98	90	80	73	63	100	100	100	100	100
June 2027	97	86	72	62	50	97	85	71	61	48	96	82	64	51	35	100	100	100	100	100
June 2028	96	80	61	49	35	96	79	59	46	32	95	74	49	34	16	100	100	100	100	100
June 2029	95	74	51	38	24	94	72	49	35	20	93	66	37	20	2	100	100	100	100	100
June 2030	93	68	43	29	16	93	66	40	26	12	91	59	27	9	0	100	100	100	100	75
June 2031	92	63	36	23	11	91	61	33	19	7	90	52	18	1	0	100	100	100	100	51
June 2032	90	58	30	18	8	90	56	27	13	3	88	46	11	0	0	100	100	100	81	35
June 2033	89	53	26	14	5	88	51	22	9	0	85	40	5	0	0	100	100	100	62	24
June 2034	87	49	21	11	4	86	46	17	6	0	83	35	0	0	0	100	100	98	48	17
June 2035	85	45	18	8	2	84	42	13	3	0	81	29	0	0	0	100	100	82	37	11
June 2036	83	41	15	6	2	82	38	10	1	0	78	24	0	0	0	100	100	68	28	8
June 2037	80	37	12	5	1	79	34	8	0	0	75	20	0	0	0	100	100	56	22	5
June 2038	78	34	10	4	1	77	30	5	0	0	72	15	0	0	0	100	100	47	17	4
June 2039	75	31	8	3	1	74	27	3	0	0	69	11	0	0	0	100	100	38	13	2
June 2040	73	28	7	2	0	71	24	2	0	0	65	7	0	0	0	100	100	32	10	2
June 2041	70	25	6	2	0	68	21	1	0	0	61	4	0	0	0	100	100	26	7	1
June 2042	66	22	5	1	0	64	18	0	0	0	57	0	0	0	0	100	100	21	5	1
June 2043	63	20	4	1	0	61	15	0	0	0	52	0	0	0	0	100	90	17	4	0
June 2044	59	17	3	1	0	57	13	0	0	0	48	0	0	0	0	100	79	13	3	0
June 2045	55	15	2	0	0	52	10	0	0	0	42	0	0	0	0	100	69	11	2	0
June 2046	50	13	2	0	0	48	8	0	0	0	37	0	0	0	0	100	59	8	2	0
June 2047	46	11	1	0	0	43	6	0	0	0	31	0	0	0	0	100	50	6	1	0
June 2048	40	9	1	0	0	37	4	0	0	0	24	0	0	0	0	100	41	5	1	0
June 2049	35	7	1	0	0	31	2	0	0	0	17	0	0	0	0	100	33	4	1	0
June 2050	29	5	1	0	0	25	0	0	0	0	9	0	0	0	0	100	25	2	0	0
June 2051	22	4	0	0	0	18	0	0	0	0	1	0	0	0	0	100	18	2	0	0
June 2052	16	2	0	0	0	11	0	0	0	0	0	0	0	0	0	72	11	1	0	0
June 2053	8	1	0	0	0	3	0	0	0	0	0	0	0	0	0	37	5	0	0	0
June 2054	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	20.2	11.4	6.7	5.0	3.8	19.7	10.5	5.9	4.4	3.4	17.9	8.0	4.4	3.3	2.6	28.6	23.3	14.9	10.9	7.9

**PSA Prepayment Assumption Rates**

Distribution Date	Classes IC, LD, LE, LH, LI, LJ, LK and LO					Class LG					Class LM				
	0%	100%	240%	350%	500%	0%	100%	240%	350%	500%	0%	100%	240%	350%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June 2025	99	97	94	92	89	100	100	100	100	100	100	100	100	100	100
June 2026	98	90	81	74	64	100	100	100	100	100	100	100	100	100	100
June 2027	96	82	64	52	36	100	100	100	100	100	100	100	100	100	100
June 2028	95	74	50	34	16	100	100	100	100	100	100	100	100	100	100
June 2029	93	66	37	20	2	100	100	100	100	100	100	100	100	100	100
June 2030	91	59	27	9	0	100	100	100	100	65	100	100	100	100	100
June 2031	89	52	18	0	0	100	100	100	100	35	100	100	100	100	100
June 2032	87	45	10	0	0	100	100	100	71	15	100	100	100	100	100
June 2033	85	39	4	0	0	100	100	100	48	1	100	100	100	100	100
June 2034	83	34	0	0	0	100	100	92	31	0	100	100	100	100	71
June 2035	80	28	0	0	0	100	100	72	17	0	100	100	100	100	49
June 2036	78	23	0	0	0	100	100	55	6	0	100	100	100	100	33
June 2037	75	19	0	0	0	100	100	41	0	0	100	100	100	93	22
June 2038	72	14	0	0	0	100	100	29	0	0	100	100	100	71	15
June 2039	68	10	0	0	0	100	100	18	0	0	100	100	100	54	10
June 2040	64	6	0	0	0	100	100	10	0	0	100	100	100	41	7
June 2041	61	2	0	0	0	100	100	3	0	0	100	100	100	31	5
June 2042	56	0	0	0	0	100	95	0	0	0	100	100	89	23	3
June 2043	52	0	0	0	0	100	81	0	0	0	100	100	72	17	2
June 2044	47	0	0	0	0	100	68	0	0	0	100	100	57	13	1
June 2045	41	0	0	0	0	100	55	0	0	0	100	100	45	9	1
June 2046	36	0	0	0	0	100	43	0	0	0	100	100	35	7	1
June 2047	29	0	0	0	0	100	32	0	0	0	100	100	27	5	0
June 2048	23	0	0	0	0	100	21	0	0	0	100	100	20	3	0
June 2049	16	0	0	0	0	100	11	0	0	0	100	100	15	2	0
June 2050	8	0	0	0	0	100	2	0	0	0	100	100	10	1	0
June 2051	0	0	0	0	0	98	0	0	0	0	100	76	7	1	0
June 2052	0	0	0	0	0	59	0	0	0	0	100	47	4	0	0
June 2053	0	0	0	0	0	16	0	0	0	0	100	19	1	0	0
June 2054	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	17.7	7.9	4.4	3.3	2.6	28.2	21.6	12.7	9.2	6.7	29.7	27.9	21.4	16.2	11.7

**Security Group 16  
PSA Prepayment Assumption Rates**

Distribution Date	Class LY					Classes MB, MD, ME, MG, MI, MO, TL, VF and WF					Class SL				
	0%	100%	240%	350%	500%	0%	100%	240%	350%	500%	0%	100%	240%	350%	500%
	Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June 2025	100	100	100	100	100	99	97	95	94	91	99	97	95	94	91
June 2026	100	100	100	100	100	98	92	85	80	73	98	92	85	80	72
June 2027	100	100	100	100	100	97	86	72	63	51	97	86	72	63	51
June 2028	100	100	100	100	100	96	80	61	49	35	96	80	61	49	35
June 2029	100	100	100	100	100	95	74	52	38	24	95	74	51	38	24
June 2030	100	100	100	100	73	93	68	43	30	17	93	68	43	29	17
June 2031	100	100	100	100	50	92	63	36	23	11	92	63	36	23	11
June 2032	100	100	100	77	34	90	58	31	18	8	90	58	31	18	8
June 2033	100	100	100	60	23	89	53	26	14	5	89	53	26	14	5
June 2034	100	100	94	46	16	87	49	21	11	4	87	49	21	11	4
June 2035	100	100	78	36	11	85	45	18	8	3	85	45	18	8	2
June 2036	100	100	65	27	7	83	41	15	6	2	83	41	15	6	2
June 2037	100	100	54	21	5	80	37	12	5	1	80	37	12	5	1
June 2038	100	100	45	16	3	78	34	10	4	1	78	34	10	4	1
June 2039	100	100	37	12	2	75	31	8	3	1	75	31	8	3	1
June 2040	100	100	30	9	2	73	28	7	2	0	73	28	7	2	0
June 2041	100	100	25	7	1	70	25	6	2	0	70	25	6	2	0
June 2042	100	96	20	5	1	66	22	5	1	0	66	22	5	1	0
June 2043	100	85	16	4	0	63	20	4	1	0	63	20	4	1	0
June 2044	100	75	13	3	0	59	17	3	1	0	59	17	3	1	0
June 2045	100	65	10	2	0	55	15	2	0	0	55	15	2	0	0
June 2046	100	56	8	2	0	50	13	2	0	0	50	13	2	0	0
June 2047	100	47	6	1	0	46	11	1	0	0	46	11	1	0	0
June 2048	100	39	5	1	0	40	9	1	0	0	40	9	1	0	0
June 2049	100	31	3	0	0	35	7	1	0	0	35	7	1	0	0
June 2050	100	24	2	0	0	29	5	1	0	0	29	5	1	0	0
June 2051	98	17	2	0	0	22	4	0	0	0	22	4	0	0	0
June 2052	68	10	1	0	0	16	2	0	0	0	16	2	0	0	0
June 2053	35	4	0	0	0	8	1	0	0	0	8	1	0	0	0
June 2054	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	28.5	23.0	14.7	10.8	7.8	20.2	11.4	6.7	5.0	3.8	20.2	11.4	6.7	5.0	3.8

**Security Group 17  
PSA Prepayment Assumption Rates**

Distribution Date	Classes LF and LS				
	0%	100%	365%	600%	800%
Initial Percent	100	100	100	100	100
June 2025	99	96	88	80	74
June 2026	98	90	70	54	42
June 2027	97	83	54	34	21
June 2028	96	77	41	21	11
June 2029	95	71	32	13	6
June 2030	94	66	24	8	3
June 2031	92	61	19	5	1
June 2032	91	56	14	3	1
June 2033	89	52	11	2	0
June 2034	88	47	8	1	0
June 2035	86	43	6	1	0
June 2036	84	40	5	1	0
June 2037	82	36	4	0	0
June 2038	79	33	3	0	0
June 2039	77	30	2	0	0
June 2040	74	27	2	0	0
June 2041	71	24	1	0	0
June 2042	68	21	1	0	0
June 2043	64	19	1	0	0
June 2044	60	16	0	0	0
June 2045	56	14	0	0	0
June 2046	52	12	0	0	0
June 2047	47	10	0	0	0
June 2048	42	8	0	0	0
June 2049	36	6	0	0	0
June 2050	30	5	0	0	0
June 2051	23	3	0	0	0
June 2052	16	2	0	0	0
June 2053	8	0	0	0	0
June 2054	0	0	0	0	0
Weighted Average Life (years)	20.5	11.0	4.4	2.8	2.1

**Security Group 18  
PSA Prepayment Assumption Rates**

Distribution Date	Classes FM, FN, IT, M, PF, SN and TM						Class MA						Class MC						Class MF						
	0%	100%	350%	550%	850%	1,100%	0%	100%	350%	550%	850%	1,100%	0%	100%	350%	550%	850%	1,100%	0%	100%	350%	550%	850%	1,100%	
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
June 2025	100	97	92	88	82	76	100	97	91	87	79	73	100	97	92	87	81	75	100	98	94	91	87	83	
June 2026	99	93	77	66	50	38	99	92	75	62	44	30	99	92	76	64	48	35	99	94	81	71	57	47	
June 2027	99	87	61	44	24	13	99	85	56	37	15	2	99	86	59	42	21	9	99	88	64	48	29	17	
June 2028	99	81	48	29	12	4	98	79	42	21	1	0	99	80	46	26	8	0	99	82	50	32	14	6	
June 2029	98	76	37	19	6	1	98	73	30	10	0	0	98	75	35	16	2	0	98	77	40	21	7	2	
June 2030	98	71	29	13	3	0	97	67	21	3	0	0	98	69	26	9	0	0	98	72	31	14	3	1	
June 2031	97	66	23	9	1	0	97	62	14	0	0	0	97	65	20	5	0	0	97	67	24	9	2	0	
June 2032	97	62	18	6	1	0	96	57	8	0	0	0	96	60	15	2	0	0	97	62	19	6	1	0	
June 2033	96	57	14	4	0	0	96	52	4	0	0	0	96	56	11	0	0	0	96	58	15	4	0	0	
June 2034	95	53	11	3	0	0	95	48	1	0	0	0	95	51	7	0	0	0	95	54	12	3	0	0	
June 2035	95	50	9	2	0	0	94	44	0	0	0	0	94	48	5	0	0	0	95	50	9	2	0	0	
June 2036	94	46	7	1	0	0	93	40	0	0	0	0	94	44	3	0	0	0	94	47	7	1	0	0	
June 2037	93	43	5	1	0	0	92	36	0	0	0	0	93	41	1	0	0	0	93	44	6	1	0	0	
June 2038	92	40	4	0	0	0	91	33	0	0	0	0	92	37	0	0	0	0	92	40	4	1	0	0	
June 2039	91	37	3	0	0	0	90	29	0	0	0	0	91	34	0	0	0	0	91	38	3	0	0	0	
June 2040	90	34	3	0	0	0	89	26	0	0	0	0	90	31	0	0	0	0	90	35	3	0	0	0	
June 2041	89	32	2	0	0	0	87	23	0	0	0	0	88	29	0	0	0	0	89	32	2	0	0	0	
June 2042	87	29	2	0	0	0	86	21	0	0	0	0	87	26	0	0	0	0	87	30	2	0	0	0	
June 2043	86	27	1	0	0	0	84	18	0	0	0	0	85	24	0	0	0	0	86	27	1	0	0	0	
June 2044	84	25	1	0	0	0	83	16	0	0	0	0	84	22	0	0	0	0	84	25	1	0	0	0	
June 2045	83	23	1	0	0	0	81	13	0	0	0	0	82	19	0	0	0	0	83	23	1	0	0	0	
June 2046	81	21	1	0	0	0	79	11	0	0	0	0	80	17	0	0	0	0	81	21	1	0	0	0	
June 2047	79	19	0	0	0	0	76	9	0	0	0	0	78	16	0	0	0	0	79	19	0	0	0	0	
June 2048	77	17	0	0	0	0	74	7	0	0	0	0	76	14	0	0	0	0	77	18	0	0	0	0	
June 2049	74	16	0	0	0	0	71	6	0	0	0	0	73	12	0	0	0	0	74	16	0	0	0	0	
June 2050	72	14	0	0	0	0	69	4	0	0	0	0	71	11	0	0	0	0	72	14	0	0	0	0	
June 2051	69	13	0	0	0	0	65	2	0	0	0	0	68	9	0	0	0	0	69	13	0	0	0	0	
June 2052	66	11	0	0	0	0	62	1	0	0	0	0	65	8	0	0	0	0	66	12	0	0	0	0	
June 2053	63	10	0	0	0	0	58	0	0	0	0	0	61	6	0	0	0	0	63	10	0	0	0	0	
June 2054	59	9	0	0	0	0	54	0	0	0	0	0	57	5	0	0	0	0	59	9	0	0	0	0	
June 2055	55	8	0	0	0	0	50	0	0	0	0	0	53	4	0	0	0	0	55	8	0	0	0	0	
June 2056	51	7	0	0	0	0	45	0	0	0	0	0	49	3	0	0	0	0	51	7	0	0	0	0	
June 2057	46	6	0	0	0	0	40	0	0	0	0	0	44	2	0	0	0	0	46	6	0	0	0	0	
June 2058	41	5	0	0	0	0	34	0	0	0	0	0	39	1	0	0	0	0	41	5	0	0	0	0	
June 2059	36	4	0	0	0	0	28	0	0	0	0	0	33	0	0	0	0	0	36	4	0	0	0	0	
June 2060	30	3	0	0	0	0	21	0	0	0	0	0	27	0	0	0	0	0	30	3	0	0	0	0	
June 2061	23	2	0	0	0	0	14	0	0	0	0	0	20	0	0	0	0	0	23	2	0	0	0	0	
June 2062	16	1	0	0	0	0	6	0	0	0	0	0	13	0	0	0	0	0	16	1	0	0	0	0	
June 2063	8	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	8	0	0	0	0	0	
June 2064	0	0	0	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)	29.6	13.4	5.0	3.4	2.3	1.8	28.4	11.0	3.9	2.7	1.9	1.6	29.2	12.4	4.5	3.0	2.1	1.7	29.6	13.6	5.2	3.6	2.5	2.1	



**Security Group 20  
PSA Prepayment Assumption Rates**

<u>Distribution Date</u>	<u>Class IO</u>				
	<u>0%</u>	<u>100%</u>	<u>200%</u>	<u>300%</u>	<u>400%</u>
Initial Percent .....	100	100	100	100	100
June 2025 .....	98	92	86	80	75
June 2026 .....	96	84	74	64	55
June 2027 .....	94	77	63	51	41
June 2028 .....	92	70	53	41	30
June 2029 .....	89	64	45	32	21
June 2030 .....	87	58	38	25	15
June 2031 .....	84	52	32	20	11
June 2032 .....	81	47	27	15	8
June 2033 .....	78	43	23	12	6
June 2034 .....	75	38	19	9	4
June 2035 .....	72	34	16	7	3
June 2036 .....	68	30	13	6	2
June 2037 .....	64	26	11	4	2
June 2038 .....	60	23	9	3	1
June 2039 .....	56	20	7	3	1
June 2040 .....	52	18	6	2	1
June 2041 .....	47	15	5	1	0
June 2042 .....	43	13	4	1	0
June 2043 .....	38	11	3	1	0
June 2044 .....	32	9	2	1	0
June 2045 .....	27	7	2	0	0
June 2046 .....	21	5	1	0	0
June 2047 .....	15	3	1	0	0
June 2048 .....	9	2	0	0	0
June 2049 .....	4	1	0	0	0
June 2050 .....	2	0	0	0	0
June 2051 .....	1	0	0	0	0
June 2052 .....	0	0	0	0	0
June 2053 .....	0	0	0	0	0
Weighted Average					
Life (years) .....	15.4	8.9	5.9	4.3	3.3

**Security Group 21  
PSA Prepayment Assumption Rates**

<u>Distribution Date</u>	<u>Classes BF and BS</u>				
	<u>0%</u>	<u>100%</u>	<u>360%</u>	<u>600%</u>	<u>800%</u>
Initial Percent .....	100	100	100	100	100
June 2025 .....	99	97	92	88	84
June 2026 .....	98	92	77	64	54
June 2027 .....	97	85	60	41	28
June 2028 .....	96	79	46	26	14
June 2029 .....	95	73	36	16	7
June 2030 .....	94	68	28	10	4
June 2031 .....	92	63	21	6	2
June 2032 .....	91	58	16	4	1
June 2033 .....	89	53	13	3	1
June 2034 .....	88	49	10	2	0
June 2035 .....	86	45	7	1	0
June 2036 .....	84	41	6	1	0
June 2037 .....	82	37	4	0	0
June 2038 .....	79	34	3	0	0
June 2039 .....	77	31	2	0	0
June 2040 .....	74	28	2	0	0
June 2041 .....	71	25	1	0	0
June 2042 .....	68	22	1	0	0
June 2043 .....	64	20	1	0	0
June 2044 .....	60	17	1	0	0
June 2045 .....	56	15	0	0	0
June 2046 .....	52	13	0	0	0
June 2047 .....	47	11	0	0	0
June 2048 .....	42	9	0	0	0
June 2049 .....	36	7	0	0	0
June 2050 .....	30	5	0	0	0
June 2051 .....	23	4	0	0	0
June 2052 .....	16	2	0	0	0
June 2053 .....	8	1	0	0	0
June 2054 .....	0	0	0	0	0
Weighted Average					
Life (years) .....	20.5	11.4	4.8	3.1	2.5

**Security Group 22  
PSA Prepayment Assumption Rates**

Distribution Date	Classes FW, SW, TC, TN, YA and YB				
	0%	100%	365%	600%	800%
Initial Percent	100	100	100	100	100
June 2025	99	97	94	90	87
June 2026	98	93	79	68	59
June 2027	97	86	62	44	31
June 2028	96	80	48	28	16
June 2029	95	74	37	17	8
June 2030	94	69	28	11	4
June 2031	92	63	22	7	2
June 2032	91	59	17	4	1
June 2033	89	54	13	3	1
June 2034	88	50	10	2	0
June 2035	86	45	7	1	0
June 2036	84	42	6	1	0
June 2037	82	38	4	0	0
June 2038	79	35	3	0	0
June 2039	77	31	2	0	0
June 2040	74	28	2	0	0
June 2041	71	25	1	0	0
June 2042	68	23	1	0	0
June 2043	64	20	1	0	0
June 2044	60	18	1	0	0
June 2045	56	15	0	0	0
June 2046	52	13	0	0	0
June 2047	47	11	0	0	0
June 2048	42	9	0	0	0
June 2049	36	8	0	0	0
June 2050	30	6	0	0	0
June 2051	23	4	0	0	0
June 2052	16	3	0	0	0
June 2053	8	1	0	0	0
June 2054	0	0	0	0	0
Weighted Average Life (years)	20.5	11.5	4.9	3.3	2.6

**Security Group 23  
PSA Prepayment Assumption Rates**

Distribution Date	Classes FT, QT and ST					Class QA					Class QY				
	0%	100%	240%	350%	500%	0%	100%	240%	350%	500%	0%	100%	240%	350%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June 2025	99	97	95	94	91	99	97	94	92	89	100	100	100	100	100
June 2026	98	92	85	80	73	98	90	81	74	65	100	100	100	100	100
June 2027	97	86	72	63	51	96	82	65	52	37	100	100	100	100	100
June 2028	96	80	61	49	35	95	74	50	34	16	100	100	100	100	100
June 2029	95	74	52	38	24	93	66	38	20	2	100	100	100	100	100
June 2030	93	68	43	30	17	91	59	27	9	0	100	100	100	100	74
June 2031	92	63	37	23	11	89	52	18	1	0	100	100	100	100	51
June 2032	90	58	31	18	8	87	46	11	0	0	100	100	100	79	35
June 2033	89	53	26	14	5	85	40	4	0	0	100	100	100	61	24
June 2034	87	49	21	11	4	83	34	0	0	0	100	100	96	47	16
June 2035	85	45	18	8	3	80	29	0	0	0	100	100	80	36	11
June 2036	83	41	15	6	2	78	24	0	0	0	100	100	67	28	8
June 2037	80	37	12	5	1	75	19	0	0	0	100	100	55	21	5
June 2038	78	34	10	4	1	72	15	0	0	0	100	100	46	16	4
June 2039	75	31	8	3	1	68	11	0	0	0	100	100	38	12	2
June 2040	73	28	7	2	0	65	7	0	0	0	100	100	31	9	2
June 2041	70	25	6	2	0	61	3	0	0	0	100	100	25	7	1
June 2042	66	22	5	1	0	57	0	0	0	0	100	99	21	5	1
June 2043	63	20	4	1	0	52	0	0	0	0	100	88	17	4	0
June 2044	59	17	3	1	0	47	0	0	0	0	100	77	13	3	0
June 2045	55	15	2	0	0	42	0	0	0	0	100	67	11	2	0
June 2046	50	13	2	0	0	36	0	0	0	0	100	58	8	2	0
June 2047	46	11	1	0	0	30	0	0	0	0	100	49	6	1	0
June 2048	40	9	1	0	0	23	0	0	0	0	100	41	5	1	0
June 2049	35	7	1	0	0	16	0	0	0	0	100	33	4	1	0
June 2050	29	6	1	0	0	8	0	0	0	0	100	25	2	0	0
June 2051	22	4	0	0	0	0	0	0	0	0	100	18	2	0	0
June 2052	16	3	0	0	0	0	0	0	0	0	69	12	1	0	0
June 2053	8	1	0	0	0	0	0	0	0	0	36	5	0	0	0
June 2054	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	20.2	11.4	6.7	5.0	3.8	17.8	8.0	4.4	3.3	2.6	28.6	23.3	14.8	10.9	7.9



**Security Group 24  
PSA Prepayment Assumption Rates**

Distribution Date	Classes JA, JB, JC, JD, JE, JG and JI					Classes P, PB, PC, PD, PE and PI					Class UA				
	0%	150%	200%	247%	400%	0%	150%	200%	247%	400%	0%	150%	200%	247%	400%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June 2025	98	95	94	92	89	98	93	93	93	93	100	100	95	91	76
June 2026	97	84	80	77	65	96	79	79	79	79	100	100	84	70	23
June 2027	95	71	64	57	37	93	61	61	61	49	100	100	71	44	0
June 2028	93	58	48	40	15	91	44	44	44	19	100	100	60	26	0
June 2029	91	47	35	25	0	88	29	29	29	0	100	100	53	13	0
June 2030	89	37	24	13	0	85	15	15	15	0	100	100	48	5	0
June 2031	86	28	13	2	0	82	3	3	3	0	100	100	45	0	0
June 2032	84	19	5	0	0	78	0	0	0	0	100	75	18	0	0
June 2033	81	11	0	0	0	74	0	0	0	0	100	45	0	0	0
June 2034	78	4	0	0	0	70	0	0	0	0	100	18	0	0	0
June 2035	75	0	0	0	0	66	0	0	0	0	100	0	0	0	0
June 2036	71	0	0	0	0	62	0	0	0	0	100	0	0	0	0
June 2037	68	0	0	0	0	57	0	0	0	0	100	0	0	0	0
June 2038	64	0	0	0	0	51	0	0	0	0	100	0	0	0	0
June 2039	60	0	0	0	0	46	0	0	0	0	100	0	0	0	0
June 2040	55	0	0	0	0	40	0	0	0	0	100	0	0	0	0
June 2041	50	0	0	0	0	33	0	0	0	0	100	0	0	0	0
June 2042	45	0	0	0	0	26	0	0	0	0	100	0	0	0	0
June 2043	40	0	0	0	0	19	0	0	0	0	100	0	0	0	0
June 2044	34	0	0	0	0	11	0	0	0	0	100	0	0	0	0
June 2045	27	0	0	0	0	2	0	0	0	0	100	0	0	0	0
June 2046	20	0	0	0	0	0	0	0	0	0	80	0	0	0	0
June 2047	13	0	0	0	0	0	0	0	0	0	51	0	0	0	0
June 2048	5	0	0	0	0	0	0	0	0	0	20	0	0	0	0
June 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
June 2050	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	15.7	5.1	4.1	3.6	2.6	13.2	3.8	3.8	3.8	2.9	23.0	8.9	5.2	3.0	1.5

**Security Group 25  
PSA Prepayment Assumption Rates**

Distribution Date	Classes FX, SX and TU					
	0%	100%	350%	550%	850%	1,100%
Initial Percent	100	100	100	100	100	100
June 2025	100	98	94	91	87	83
June 2026	99	94	81	71	57	47
June 2027	99	88	64	48	29	17
June 2028	99	82	50	32	14	6
June 2029	98	77	40	21	7	2
June 2030	98	72	31	14	3	1
June 2031	97	67	24	9	2	0
June 2032	97	62	19	6	1	0
June 2033	96	58	15	4	0	0
June 2034	95	54	12	3	0	0
June 2035	95	50	9	2	0	0
June 2036	94	47	7	1	0	0
June 2037	93	44	6	1	0	0
June 2038	92	40	4	1	0	0
June 2039	91	38	3	0	0	0
June 2040	90	35	3	0	0	0
June 2041	89	32	2	0	0	0
June 2042	87	30	2	0	0	0
June 2043	86	27	1	0	0	0
June 2044	84	25	1	0	0	0
June 2045	83	23	1	0	0	0
June 2046	81	21	1	0	0	0
June 2047	79	19	0	0	0	0
June 2048	77	18	0	0	0	0
June 2049	74	16	0	0	0	0
June 2050	72	14	0	0	0	0
June 2051	69	13	0	0	0	0
June 2052	66	12	0	0	0	0
June 2053	63	10	0	0	0	0
June 2054	59	9	0	0	0	0
June 2055	55	8	0	0	0	0
June 2056	51	7	0	0	0	0
June 2057	46	6	0	0	0	0
June 2058	41	5	0	0	0	0
June 2059	36	4	0	0	0	0
June 2060	30	3	0	0	0	0
June 2061	23	2	0	0	0	0
June 2062	16	1	0	0	0	0
June 2063	8	0	0	0	0	0
June 2064	0	0	0	0	0	0
Weighted Average Life (years)	29.6	13.6	5.2	3.6	2.5	2.1

**Security Groups 18 and 25  
PSA Prepayment Assumption Rates**

<b>Distribution Date</b>	<b>Class SU</b>					
	<b>0%</b>	<b>100%</b>	<b>350%</b>	<b>550%</b>	<b>850%</b>	<b>1,100%</b>
Initial Percent . . .	100	100	100	100	100	100
June 2025 . . . . .	100	98	94	91	86	81
June 2026 . . . . .	99	94	80	70	56	45
June 2027 . . . . .	99	88	63	47	28	16
June 2028 . . . . .	99	82	50	31	14	5
June 2029 . . . . .	98	77	39	21	7	2
June 2030 . . . . .	98	71	31	14	3	1
June 2031 . . . . .	97	67	24	9	2	0
June 2032 . . . . .	97	62	19	6	1	0
June 2033 . . . . .	96	58	15	4	0	0
June 2034 . . . . .	95	54	12	3	0	0
June 2035 . . . . .	95	50	9	2	0	0
June 2036 . . . . .	94	47	7	1	0	0
June 2037 . . . . .	93	43	6	1	0	0
June 2038 . . . . .	92	40	4	1	0	0
June 2039 . . . . .	91	37	3	0	0	0
June 2040 . . . . .	90	35	3	0	0	0
June 2041 . . . . .	89	32	2	0	0	0
June 2042 . . . . .	87	30	2	0	0	0
June 2043 . . . . .	86	27	1	0	0	0
June 2044 . . . . .	84	25	1	0	0	0
June 2045 . . . . .	83	23	1	0	0	0
June 2046 . . . . .	81	21	1	0	0	0
June 2047 . . . . .	79	19	0	0	0	0
June 2048 . . . . .	77	18	0	0	0	0
June 2049 . . . . .	74	16	0	0	0	0
June 2050 . . . . .	72	14	0	0	0	0
June 2051 . . . . .	69	13	0	0	0	0
June 2052 . . . . .	66	12	0	0	0	0
June 2053 . . . . .	63	10	0	0	0	0
June 2054 . . . . .	59	9	0	0	0	0
June 2055 . . . . .	55	8	0	0	0	0
June 2056 . . . . .	51	7	0	0	0	0
June 2057 . . . . .	46	6	0	0	0	0
June 2058 . . . . .	41	5	0	0	0	0
June 2059 . . . . .	36	4	0	0	0	0
June 2060 . . . . .	30	3	0	0	0	0
June 2061 . . . . .	23	2	0	0	0	0
June 2062 . . . . .	16	1	0	0	0	0
June 2063 . . . . .	8	0	0	0	0	0
June 2064 . . . . .	0	0	0	0	0	0
Weighted Average Life (years) . . . .	29.6	13.6	5.2	3.5	2.5	2.0

**Security Group 26  
PSA Prepayment Assumption Rates**

Distribution Date	Classes CA, CD, CE, CG, CI and CO						Class CB						Classes CH, CJ, CK, CL, IC, OC, XF and XS					
	0%	100%	300%	450%	700%	900%	0%	100%	300%	450%	700%	900%	0%	100%	300%	450%	700%	900%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June 2025	99	97	94	91	87	83	100	100	100	100	100	100	99	98	95	92	89	85
June 2026	98	92	80	72	58	48	100	100	100	100	100	100	98	93	83	75	64	55
June 2027	97	84	63	48	28	15	100	100	100	100	100	100	98	86	67	55	37	26
June 2028	96	77	48	31	10	0	100	100	100	100	100	91	97	80	55	40	21	12
June 2029	95	71	36	18	0	0	100	100	100	100	95	41	95	75	44	29	12	5
June 2030	94	65	26	9	0	0	100	100	100	100	54	19	94	69	36	21	7	2
June 2031	92	59	18	2	0	0	100	100	100	100	31	8	93	64	29	15	4	1
June 2032	90	53	12	0	0	0	100	100	100	83	18	4	92	59	23	11	2	0
June 2033	89	48	7	0	0	0	100	100	100	59	10	2	90	54	19	8	1	0
June 2034	87	43	3	0	0	0	100	100	100	42	6	1	89	50	15	5	1	0
June 2035	85	38	0	0	0	0	100	100	94	30	3	0	87	46	12	4	0	0
June 2036	83	34	0	0	0	0	100	100	75	21	2	0	85	42	10	3	0	0
June 2037	80	30	0	0	0	0	100	100	60	15	1	0	83	39	8	2	0	0
June 2038	78	26	0	0	0	0	100	100	48	11	1	0	81	35	6	1	0	0
June 2039	75	22	0	0	0	0	100	100	38	8	0	0	78	32	5	1	0	0
June 2040	72	18	0	0	0	0	100	100	30	5	0	0	75	29	4	1	0	0
June 2041	68	15	0	0	0	0	100	100	23	4	0	0	72	26	3	0	0	0
June 2042	65	12	0	0	0	0	100	100	18	3	0	0	69	23	2	0	0	0
June 2043	61	9	0	0	0	0	100	100	14	2	0	0	66	21	2	0	0	0
June 2044	56	6	0	0	0	0	100	100	11	1	0	0	62	18	1	0	0	0
June 2045	52	4	0	0	0	0	100	100	8	1	0	0	58	16	1	0	0	0
June 2046	47	1	0	0	0	0	100	100	6	1	0	0	53	14	1	0	0	0
June 2047	41	0	0	0	0	0	100	91	5	0	0	0	49	12	1	0	0	0
June 2048	35	0	0	0	0	0	100	76	3	0	0	0	43	10	0	0	0	0
June 2049	28	0	0	0	0	0	100	61	2	0	0	0	37	8	0	0	0	0
June 2050	21	0	0	0	0	0	100	47	2	0	0	0	31	6	0	0	0	0
June 2051	13	0	0	0	0	0	100	34	1	0	0	0	24	4	0	0	0	0
June 2052	5	0	0	0	0	0	100	21	1	0	0	0	17	3	0	0	0	0
June 2053	0	0	0	0	0	0	69	9	0	0	0	0	9	1	0	0	0	0
June 2054	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average																		
Life (years)	19.5	9.5	4.4	3.2	2.3	2.0	29.3	25.9	14.9	10.4	6.7	5.2	20.8	11.6	5.7	4.1	2.9	2.4

**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 2, 19, 20 and 24 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 30-day Average SOFR under a variety of scenarios.

**No representation is made regarding Mortgage Loan prepayment rates, Underlying Certificate payment rates, 30-day Average 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 (especially the Principal Only Classes), 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.

#### *30-day Average SOFR: Effect on Yields of the Floating Rate and Inverse Floating Rate Classes*

Low levels of 30-day Average SOFR can reduce the yield of the Floating Rate Classes. High levels of 30-day Average SOFR can significantly reduce the yield of the Inverse Floating Rate Classes. In addition, the Floating Rate Classes will not necessarily benefit from a higher yield at high levels of 30-day Average SOFR and certain Inverse Floating Rate Classes may not benefit from particularly low levels of 30-day Average SOFR because the rate on such Classes 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 50 days earlier.

### **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 Classes, at various constant levels of 30-day Average SOFR.

The Mortgage Loans will not prepay at any constant rate until maturity, and it is unlikely that 30-day Average 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 (in the case of interest-bearing Classes), 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 each Inverse Floating Rate Class for each Accrual Period following the first Accrual Period will be based on the indicated level of 30-day Average SOFR and (2) the purchase price of each Class (expressed as a percentage of Original Class Principal Balance or original Class Notional Balance) plus accrued interest (in the case of interest-bearing Classes) is as indicated in the related table. **The assumed purchase price is not necessarily that at which actual sales will occur.**

**SECURITY GROUP 1**

**Sensitivity of Class SB to Prepayments  
Assumed Price 2.1%**

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>360%</u>	<u>600%</u>	<u>800%</u>
3.84% .....	66.5%	50.7%	35.2%	21.4%
4.31% .....	40.4%	24.5%	8.9%	(5.0)%
4.78% .....	15.4%	(0.6)%	(16.6)%	(31.0)%
5.25% and above .....	**	**	**	**

**Sensitivity of Class TB to Prepayments  
Assumed Price 1.0%**

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>360%</u>	<u>600%</u>	<u>800%</u>
5.250% and below .....	(6.1)%	(22.0)%	(38.0)%	(53.5)%
5.275% .....	(11.4)%	(27.0)%	(43.0)%	(59.1)%
5.300% and above .....	**	**	**	**

**SECURITY GROUP 2**

**Sensitivity of Class S to Prepayments  
Assumed Price 6.0%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>360%</u>	<u>600%</u>	<u>800%</u>
4.3330% .....	18.3%	3.4%	(11.3)%	(24.2)%
5.3330% .....	(1.5)%	(17.0)%	(32.5)%	(46.8)%
5.5665% .....	(7.8)%	(23.3)%	(38.9)%	(53.6)%
5.8000% and above .....	**	**	**	**

**Sensitivity of Class TI to Prepayments  
Assumed Price 1.0%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>360%</u>	<u>600%</u>	<u>800%</u>
5.8% and below .....	13.6%	(1.2)%	(15.7)%	(28.5)%
5.9% .....	1.7%	(13.6)%	(28.8)%	(42.7)%
6.0% and above .....	**	**	**	**

\* 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.

**SECURITY GROUP 4**

**Sensitivity of Class DI to Prepayments  
Assumed Price 16.0%\***

<b>PSA Prepayment Assumption Rates</b>				
<b>100%</b>	<b>365%</b>	<b>481%</b>	<b>600%</b>	<b>800%</b>
33.9%	10.5%	0.1%	(10.0)%	(25.1)%

**Sensitivity of Class DO to Prepayments  
Assumed Price 76.25%**

<b>PSA Prepayment Assumption Rates</b>			
<b>100%</b>	<b>365%</b>	<b>600%</b>	<b>800%</b>
2.5%	6.1%	9.0%	11.3%

**Sensitivity of Class ES to Prepayments  
Assumed Price 7.5%\***

<b>30-day Average SOFR</b>	<b>PSA Prepayment Assumption Rates</b>			
	<b>100%</b>	<b>365%</b>	<b>600%</b>	<b>800%</b>
4.32466% .....	26.3%	12.8%	0.3%	(10.6)%
5.32466% .....	11.1%	(3.5)%	(17.2)%	(29.4)%
5.98733% .....	0.3%	(14.9)%	(29.5)%	(42.8)%
6.65000% and above .....	**	**	**	**

**Sensitivity of Class GS to Prepayments  
Assumed Price 11.0%\***

<b>30-day Average SOFR</b>	<b>PSA Prepayment Assumption Rates</b>			
	<b>100%</b>	<b>365%</b>	<b>600%</b>	<b>800%</b>
4.32374% .....	21.8%	8.0%	(4.8)%	(16.0)%
5.32374% .....	11.4%	(3.1)%	(16.8)%	(28.9)%
6.31187% .....	0.5%	(14.7)%	(29.3)%	(42.6)%
7.30000% and above .....	**	**	**	**

**Sensitivity of Class ID to Prepayments  
Assumed Price 21.75%\***

<b>PSA Prepayment Assumption Rates</b>				
<b>100%</b>	<b>365%</b>	<b>573%</b>	<b>600%</b>	<b>800%</b>
24.7%	11.1%	0.0%	(1.4)%	(12.5)%

\* 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.

**Sensitivity of Class IN to Prepayments  
Assumed Price 18.6%\***

<b>PSA Prepayment Assumption Rates</b>				
<b>100%</b>	<b>365%</b>	<b>504%</b>	<b>600%</b>	<b>800%</b>
29.1%	10.5%	0.0%	(7.2)%	(21.4)%

**Sensitivity of Class NI to Prepayments  
Assumed Price 17.75%\***

<b>PSA Prepayment Assumption Rates</b>				
<b>100%</b>	<b>365%</b>	<b>496%</b>	<b>600%</b>	<b>800%</b>
30.6%	10.6%	0.0%	(8.1)%	(22.7)%

**Sensitivity of Class NS to Prepayments  
Assumed Price 5.6%\***

<b>30-day Average SOFR</b>	<b>PSA Prepayment Assumption Rates</b>			
	<b>100%</b>	<b>365%</b>	<b>600%</b>	<b>800%</b>
4.33269% .....	24.8%	11.2%	(1.4)%	(12.4)%
5.33269% .....	4.2%	(10.8)%	(25.1)%	(38.0)%
5.66635% .....	(3.9)%	(19.3)%	(34.1)%	(47.8)%
6.00000% and above .....	**	**	**	**

**Sensitivity of Class SD to Prepayments  
Assumed Price 11.5%\***

<b>30-day Average SOFR</b>	<b>PSA Prepayment Assumption Rates</b>			
	<b>100%</b>	<b>365%</b>	<b>600%</b>	<b>800%</b>
4.32374% .....	20.4%	6.5%	(6.3)%	(17.7)%
5.32374% .....	10.5%	(4.1)%	(17.8)%	(30.1)%
6.31187% .....	(0.1)%	(15.3)%	(29.9)%	(43.2)%
7.30000% and above .....	**	**	**	**

**Sensitivity of Class SY to Prepayments  
Assumed Price 9.5%\***

<b>30-day Average SOFR</b>	<b>PSA Prepayment Assumption Rates</b>			
	<b>100%</b>	<b>365%</b>	<b>600%</b>	<b>800%</b>
4.32374% .....	26.7%	13.2%	0.8%	(10.1)%
5.32374% .....	14.7%	0.4%	(12.9)%	(24.8)%
6.31187% .....	2.3%	(12.8)%	(27.2)%	(40.3)%
7.30000% and above .....	**	**	**	**

\* 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.



**Sensitivity of Class YS to Prepayments  
Assumed Price 9.0%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>365%</u>	<u>600%</u>	<u>800%</u>
4.32466% .....	20.2%	6.0%	(7.3)%	(19.1)%
5.32466% .....	7.5%	(7.5)%	(21.7)%	(34.6)%
5.98733% .....	(1.9)%	(17.3)%	(32.1)%	(45.9)%
6.65000% and above .....	**	**	**	**

**SECURITY GROUP 5**

**Sensitivity of Class SG to Prepayments  
Assumed Price 8.0%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>				
	<u>100%</u>	<u>350%</u>	<u>600%</u>	<u>900%</u>	<u>1,200%</u>
4.32371% .....	33.5%	20.4%	6.6%	(10.6)%	(28.8)%
5.32371% .....	19.2%	5.4%	(9.1)%	(27.7)%	(47.6)%
6.31186% .....	4.9%	(9.6)%	(25.2)%	(45.6)%	(68.3)%
7.30000% and above .....	**	**	**	**	**

**SECURITY GROUP 6**

**Sensitivity of Class HI to Prepayments  
Assumed Price 22.5%\***

<u>PSA Prepayment Assumption Rates</u>					
<u>100%</u>	<u>300%</u>	<u>358%</u>	<u>450%</u>	<u>700%</u>	<u>900%</u>
23.5%	5.7%	0.1%	(8.7)%	(30.8)%	(46.1)%

**Sensitivity of Class HO to Prepayments  
Assumed Price 17.75%**

<u>PSA Prepayment Assumption Rates</u>				
<u>100%</u>	<u>300%</u>	<u>450%</u>	<u>700%</u>	<u>900%</u>
36.0%	77.3%	104.0%	145.6%	178.1%

**Sensitivity of Class IH to Prepayments  
Assumed Price 26.0%\***

<u>PSA Prepayment Assumption Rates</u>					
<u>100%</u>	<u>300%</u>	<u>450%</u>	<u>494%</u>	<u>700%</u>	<u>900%</u>
21.4%	10.7%	2.5%	0.0%	(11.8)%	(23.7)%

\* 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.

**Sensitivity of Class OH to Prepayments  
Assumed Price 70.65%**

<b>PSA Prepayment Assumption Rates</b>				
<u>100%</u>	<u>300%</u>	<u>450%</u>	<u>700%</u>	<u>900%</u>
3.3%	7.0%	9.7%	13.7%	16.7%

**Sensitivity of Class SH to Prepayments  
Assumed Price 12.1%\***

<u>30-day Average SOFR</u>	<b>PSA Prepayment Assumption Rates</b>				
	<u>100%</u>	<u>300%</u>	<u>450%</u>	<u>700%</u>	<u>900%</u>
4.32433% .....	19.0%	8.2%	(0.1)%	(14.6)%	(26.8)%
5.32433% .....	9.5%	(1.7)%	(10.4)%	(25.8)%	(38.8)%
6.31217% .....	(0.6)%	(12.1)%	(21.2)%	(37.5)%	(51.7)%
7.30000% and above .....	**	**	**	**	**

**SECURITY GROUP 7**

**Sensitivity of Class MS to Prepayments  
Assumed Price 3.9%**

<u>30-day Average SOFR</u>	<b>PSA Prepayment Assumption Rates</b>			
	<u>100%</u>	<u>365%</u>	<u>600%</u>	<u>800%</u>
3.84002% .....	33.0%	19.5%	7.0%	(4.0)%
4.32668% .....	18.9%	4.6%	(8.8)%	(20.6)%
4.81334% .....	4.6%	(10.6)%	(25.0)%	(38.1)%
5.30000% and above .....	**	**	**	**

**Sensitivity of Class SK to Prepayments  
Assumed Price 5.9%\***

<u>30-day Average SOFR</u>	<b>PSA Prepayment Assumption Rates</b>			
	<u>100%</u>	<u>365%</u>	<u>600%</u>	<u>800%</u>
4.33269% .....	22.8%	8.7%	(4.3)%	(15.9)%
5.33269% .....	3.3%	(12.0)%	(26.5)%	(39.8)%
5.66635% .....	(4.6)%	(20.0)%	(35.0)%	(49.0)%
6.00000% and above .....	**	**	**	**

**Sensitivity of Class SQ to Prepayments  
Assumed Price 9.9%\***

<u>30-day Average SOFR</u>	<b>PSA Prepayment Assumption Rates</b>			
	<u>100%</u>	<u>365%</u>	<u>600%</u>	<u>800%</u>
4.32374% .....	24.5%	10.5%	(2.5)%	(14.0)%
5.32374% .....	13.0%	(1.7)%	(15.5)%	(27.9)%
6.28687% .....	1.3%	(14.0)%	(28.7)%	(42.1)%
7.25000% and above .....	**	**	**	**

\* 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.

**Sensitivity of Class TA to Prepayments  
Assumed Price 1.0%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>365%</u>	<u>600%</u>	<u>800%</u>
5.300% and below .....	(5.7)%	(21.2)%	(36.2)%	(50.6)%
5.325% .....	(10.9)%	(26.3)%	(41.6)%	(56.8)%
5.350% and above .....	**	**	**	**

**Sensitivity of Class TH to Prepayments  
Assumed Price 1.0%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>365%</u>	<u>600%</u>	<u>800%</u>
5.40% and below .....	1.6%	(13.7)%	(28.4)%	(41.8)%
5.45% .....	(5.7)%	(21.2)%	(36.1)%	(50.4)%
5.50% and above .....	**	**	**	**

**Sensitivity of Class TJ to Prepayments  
Assumed Price 1.0%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>365%</u>	<u>600%</u>	<u>800%</u>
5.30% and below .....	1.6%	(13.7)%	(28.4)%	(41.8)%
5.35% .....	(5.7)%	(21.2)%	(36.2)%	(50.5)%
5.40% and above .....	**	**	**	**

**SECURITY GROUP 8**

**Sensitivity of Class IK to Prepayments  
Assumed Price 20.7%\***

<u>PSA Prepayment Assumption Rates</u>				
<u>100%</u>	<u>240%</u>	<u>319%</u>	<u>350%</u>	<u>500%</u>
20.6%	7.8%	0.0%	(3.0)%	(17.2)%

**Sensitivity of Class KI to Prepayments  
Assumed Price 18.85%\***

<u>PSA Prepayment Assumption Rates</u>				
<u>100%</u>	<u>240%</u>	<u>299%</u>	<u>350%</u>	<u>500%</u>
22.0%	6.8%	0.1%	(5.6)%	(21.1)%

\* 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.

**Sensitivity of Class KO to Prepayments  
Assumed Price 79.85%**

<b>PSA Prepayment Assumption Rates</b>			
<u>100%</u>	<u>240%</u>	<u>350%</u>	<u>500%</u>
3.5%	6.3%	8.2%	10.4%

**Sensitivity of Class KS to Prepayments  
Assumed Price 13.5%\***

<b>30-day Average SOFR</b>	<b>PSA Prepayment Assumption Rates</b>			
	<u>100%</u>	<u>240%</u>	<u>350%</u>	<u>500%</u>
4.32433% .....	15.9%	8.5%	2.5%	(5.8)%
5.32433% .....	7.4%	(0.3)%	(6.6)%	(15.3)%
6.31217% .....	(2.0)%	(9.9)%	(16.4)%	(25.5)%
7.30000% and above .....	**	**	**	**

**Sensitivity of Class OK to Prepayments  
Assumed Price 77.2%**

<b>PSA Prepayment Assumption Rates</b>			
<u>100%</u>	<u>240%</u>	<u>350%</u>	<u>500%</u>
3.5%	6.4%	8.3%	10.7%

**SECURITY GROUP 11**

**Sensitivity of Class SC to Prepayments  
Assumed Price 9.5%\***

<b>30-day Average SOFR</b>	<b>PSA Prepayment Assumption Rates</b>				
	<u>100%</u>	<u>450%</u>	<u>750%</u>	<u>1,150%</u>	<u>1,500%</u>
4.32371% .....	26.4%	6.0%	(13.1)%	(41.2)%	(69.0)%
5.32371% .....	14.5%	(6.4)%	(26.2)%	(55.9)%	(85.9)%
6.31186% .....	2.3%	(19.1)%	(39.6)%	(71.7)%	**
7.30000% and above .....	**	**	**	**	**

**SECURITY GROUP 12**

**Sensitivity of Class SE to Prepayments  
Assumed Price 2.1%**

<b>30-day Average SOFR</b>	<b>PSA Prepayment Assumption Rates</b>			
	<u>100%</u>	<u>350%</u>	<u>550%</u>	<u>700%</u>
3.905% .....	59.3%	47.5%	37.8%	30.4%
4.320% .....	36.2%	23.5%	13.0%	4.9%
4.735% .....	14.1%	0.1%	(11.6)%	(20.8)%
5.150% and above .....	**	**	**	**

\* 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.

**SECURITY GROUP 13**

**Sensitivity of Class CS to Prepayments  
Assumed Price 3.1%**

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>365%</u>	<u>600%</u>	<u>800%</u>
3.87003% .....	41.0%	27.4%	14.9%	3.8%
4.33002% .....	24.2%	9.8%	(3.6)%	(15.5)%
4.79001% .....	7.4%	(7.8)%	(22.3)%	(35.5)%
5.25000% and above .....	**	**	**	**

**Sensitivity of Class TP to Prepayments  
Assumed Price 1.0%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>365%</u>	<u>600%</u>	<u>800%</u>
5.35% and below .....	1.6%	(13.8)%	(28.7)%	(42.4)%
5.40% .....	(5.7)%	(21.2)%	(36.3)%	(50.7)%
5.45% and above .....	**	**	**	**

**Sensitivity of Class TQ to Prepayments  
Assumed Price 1.0%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>365%</u>	<u>600%</u>	<u>800%</u>
5.25% and below .....	1.6%	(13.9)%	(28.8)%	(42.4)%
5.30% .....	(5.7)%	(21.3)%	(36.4)%	(50.7)%
5.35% and above .....	**	**	**	**

**SECURITY GROUP 14**

**Sensitivity of Class AI to Prepayments  
Assumed Price 17.35%\***

<u>PSA Prepayment Assumption Rates</u>				
<u>100%</u>	<u>240%</u>	<u>350%</u>	<u>500%</u>	<u>532%</u>
34.6%	24.0%	15.0%	2.6%	0.0%

**Sensitivity of Class AO to Prepayments  
Assumed Price 83.7%**

<u>PSA Prepayment Assumption Rates</u>			
<u>100%</u>	<u>240%</u>	<u>350%</u>	<u>500%</u>
2.2%	4.1%	5.4%	7.0%

\* 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.

**Sensitivity of Class AS to Prepayments**  
**Assumed Price 10.5%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>240%</u>	<u>350%</u>	<u>500%</u>
4.32433% .....	22.8%	15.6%	9.8%	1.8%
5.32433% .....	11.9%	4.4%	(1.8)%	(10.3)%
6.28717% .....	0.8%	(7.1)%	(13.5)%	(22.6)%
7.25000% and above .....	**	**	**	**

**Sensitivity of Class BI to Prepayments**  
**Assumed Price 22.2%\***

<u>PSA Prepayment Assumption Rates</u>				
<u>100%</u>	<u>240%</u>	<u>350%</u>	<u>500%</u>	<u>613%</u>
26.7%	19.6%	13.9%	6.1%	0.0%

**Sensitivity of Class BO to Prepayments**  
**Assumed Price 77.4%\***

<u>PSA Prepayment Assumption Rates</u>			
<u>100%</u>	<u>240%</u>	<u>350%</u>	<u>500%</u>
2.4%	4.1%	5.5%	7.3%

**Sensitivity of Class DS to Prepayments**  
**Assumed Price 9.0%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>240%</u>	<u>350%</u>	<u>500%</u>
4.32433% .....	28.1%	21.1%	15.5%	7.7%
5.32433% .....	15.5%	8.0%	2.0%	(6.4)%
6.28717% .....	2.8%	(5.1)%	(11.4)%	(20.4)%
7.25000% and above .....	**	**	**	**

**Sensitivity of Class IA to Prepayments**  
**Assumed Price 19.2%\***

<u>PSA Prepayment Assumption Rates</u>				
<u>100%</u>	<u>240%</u>	<u>350%</u>	<u>500%</u>	<u>549%</u>
31.1%	22.2%	14.5%	3.6%	0.0%

\* 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.

**Sensitivity of Class JS to Prepayments  
Assumed Price 9.6%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>240%</u>	<u>350%</u>	<u>500%</u>
4.32433% .....	25.8%	18.7%	13.0%	5.1%
5.32433% .....	13.9%	6.4%	0.4%	(8.1)%
6.28717% .....	1.9%	(5.9)%	(12.3)%	(21.4)%
7.25000% and above .....	**	**	**	**

**Sensitivity of Class OA to Prepayments  
Assumed Price 81.5%**

<u>PSA Prepayment Assumption Rates</u>			
<u>100%</u>	<u>240%</u>	<u>350%</u>	<u>500%</u>
2.3%	4.1%	5.5%	7.2%

**SECURITY GROUP 15**

**Sensitivity of Class HS to Prepayments  
Assumed Price 4.75%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>367%</u>	<u>600%</u>	<u>800%</u>
4.33035% .....	15.0%	0.5%	(12.7)%	(24.5)%
5.33035% .....	(23.5)%	(38.4)%	(54.1)%	(71.6)%
5.33518% .....	(26.4)%	(41.0)%	(57.6)%	(75.9)%
5.34000% and above .....	**	**	**	**

**SECURITY GROUP 16**

**Sensitivity of Class IL to Prepayments  
Assumed Price 21.0%\***

<u>PSA Prepayment Assumption Rates</u>				
<u>100%</u>	<u>240%</u>	<u>350%</u>	<u>463%</u>	<u>500%</u>
22.6%	14.5%	7.5%	0.0%	(2.4)%

**Sensitivity of Class LI to Prepayments  
Assumed Price 17.5%\***

<u>PSA Prepayment Assumption Rates</u>				
<u>100%</u>	<u>240%</u>	<u>350%</u>	<u>409%</u>	<u>500%</u>
27.0%	15.3%	5.3%	0.0%	(8.0)%

\* 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.

**Sensitivity of Class LO to Prepayments  
Assumed Price 80.65%**

PSA Prepayment Assumption Rates			
<u>100%</u>	<u>240%</u>	<u>350%</u>	<u>500%</u>
2.8%	5.2%	6.8%	8.7%

**Sensitivity of Class MI to Prepayments  
Assumed Price 22.25%\***

PSA Prepayment Assumption Rates				
<u>100%</u>	<u>240%</u>	<u>350%</u>	<u>500%</u>	<u>503%</u>
21.3%	14.1%	8.3%	0.2%	0.0%

**Sensitivity of Class MO to Prepayments  
Assumed Price 73.9%**

PSA Prepayment Assumption Rates			
<u>100%</u>	<u>240%</u>	<u>350%</u>	<u>500%</u>
2.9%	5.0%	6.7%	8.8%

**Sensitivity of Class OL to Prepayments  
Assumed Price 75.8%**

PSA Prepayment Assumption Rates			
<u>100%</u>	<u>240%</u>	<u>350%</u>	<u>500%</u>
2.8%	5.1%	6.8%	8.9%

**Sensitivity of Class SL to Prepayments  
Assumed Price 4.6%**

<u>30-day Average SOFR</u>	PSA Prepayment Assumption Rates			
	<u>100%</u>	<u>240%</u>	<u>350%</u>	<u>500%</u>
3.84476% .....	26.5%	19.4%	13.7%	5.8%
4.32984% .....	14.6%	7.1%	1.1%	(7.4)%
4.81492% .....	2.2%	(5.6)%	(12.0)%	(21.1)%
5.30000% and above .....	**	**	**	**

**Sensitivity of Class TL to Prepayments  
Assumed Price 72.7%\***

<u>30-day Average SOFR</u>	PSA Prepayment Assumption Rates			
	<u>100%</u>	<u>240%</u>	<u>350%</u>	<u>500%</u>
5.300% and below .....	11.1%	13.4%	15.2%	17.4%
5.325% .....	7.0%	9.4%	11.1%	13.4%
5.350% and above .....	3.1%	5.4%	7.2%	9.4%

\* 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.



**SECURITY GROUP 17**

**Sensitivity of Class LS to Prepayments  
Assumed Price 2.25%**

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>365%</u>	<u>600%</u>	<u>800%</u>
3.92% .....	51.8%	35.6%	20.4%	6.6%
4.33% .....	31.0%	14.8%	(0.6)%	(14.7)%
4.74% .....	10.8%	(5.6)%	(21.3)%	(35.8)%
5.15% and above .....	**	**	**	**

**SECURITY GROUP 18**

**Sensitivity of Class IT to Prepayments  
Assumed Price 1.0%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>				
	<u>100%</u>	<u>350%</u>	<u>550%</u>	<u>850%</u>	<u>1,100%</u>
5.890% and below .....	(6.7)%	(21.9)%	(35.9)%	(60.2)%	(82.7)%
5.905% .....	(10.4)%	(25.5)%	(40.4)%	(66.3)%	(89.8)%
5.920% and above .....	**	**	**	**	**

**Sensitivity of Class SM to Prepayments  
Assumed Price 3.1%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>				
	<u>100%</u>	<u>350%</u>	<u>550%</u>	<u>850%</u>	<u>1,100%</u>
4.33149% .....	49.3%	37.2%	27.3%	11.9%	(1.4)%
5.33149% .....	12.5%	(1.6)%	(13.5)%	(32.3)%	(49.0)%
5.61075% .....	2.1%	(12.6)%	(25.3)%	(46.0)%	(64.8)%
5.89000% and above .....	**	**	**	**	**

**Sensitivity of Class SN to Prepayments  
Assumed Price 5.4%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>				
	<u>100%</u>	<u>350%</u>	<u>550%</u>	<u>850%</u>	<u>1,100%</u>
4.32374% .....	53.8%	40.9%	30.1%	13.3%	(1.4)%
5.32374% .....	32.1%	18.4%	7.0%	(11.0)%	(26.9)%
6.27687% .....	12.1%	(2.5)%	(14.8)%	(34.7)%	(52.8)%
7.23000% and above .....	**	**	**	**	**

\* 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.

**Sensitivity of Class TM to Prepayments  
Assumed Price 1.0%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>				
	<u>100%</u>	<u>350%</u>	<u>550%</u>	<u>850%</u>	<u>1,100%</u>
5.89% and below . . . . .	(1.9)%	(17.1)%	(30.3)%	(52.8)%	(73.8)%
5.92% . . . . .	(6.7)%	(21.9)%	(35.6)%	(59.6)%	(82.0)%
5.95% and above . . . . .	**	**	**	**	**

**SECURITY GROUP 20**

**Sensitivity of Class IO to Prepayments  
Assumed Price 20.5%\***

<u>PSA Prepayment Assumption Rates</u>				
<u>100%</u>	<u>200%</u>	<u>300%</u>	<u>311%</u>	<u>400%</u>
15.0%	7.9%	0.8%	0.0%	(6.8)%

**SECURITY GROUP 21**

**Sensitivity of Class BS to Prepayments  
Assumed Price 1.8%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>360%</u>	<u>600%</u>	<u>800%</u>
3.91149% . . . . .	69.8%	57.3%	45.4%	35.2%
4.32433% . . . . .	42.6%	29.3%	16.5%	5.5%
4.73717% . . . . .	16.6%	2.1%	(12.0)%	(24.4)%
5.15000% and above . . . . .	**	**	**	**

**SECURITY GROUP 22**

**Sensitivity of Class SW to Prepayments  
Assumed Price 4.0%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>365%</u>	<u>600%</u>	<u>800%</u>
3.87003% . . . . .	29.9%	16.6%	4.4%	(6.3)%
4.33002% . . . . .	16.9%	2.7%	(10.4)%	(22.1)%
4.79001% . . . . .	3.6%	(11.5)%	(25.8)%	(38.8)%
5.25000% and above . . . . .	**	**	**	**

\* 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.

**Sensitivity of Class TC to Prepayments  
Assumed Price 1.0%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>365%</u>	<u>600%</u>	<u>800%</u>
5.25% and below . . . . .	1.7%	(13.5)%	(27.9)%	(41.1)%
5.30% . . . . .	(5.6)%	(20.9)%	(35.8)%	(49.9)%
5.35% and above . . . . .	**	**	**	**

**Sensitivity of Class TN to Prepayments  
Assumed Price 1.0%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>365%</u>	<u>600%</u>	<u>800%</u>
5.35% and below . . . . .	1.8%	(13.4)%	(27.8)%	(41.0)%
5.40% . . . . .	(5.5)%	(20.9)%	(35.7)%	(49.8)%
5.45% and above . . . . .	**	**	**	**

**SECURITY GROUP 23**

**Sensitivity of Class ST to Prepayments  
Assumed Price 5.4%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>240%</u>	<u>350%</u>	<u>500%</u>
4.33002% . . . . .	12.2%	4.6%	(1.5)%	(10.0)%
5.33002% . . . . .	(21.0)%	(28.7)%	(35.0)%	(44.1)%
5.34001% . . . . .	(24.0)%	(31.6)%	(37.8)%	(46.9)%
5.35000% and above . . . . .	**	**	**	**

**SECURITY GROUP 24**

**Sensitivity of Class JI to Prepayments  
Assumed Price 15.5%\***

<u>PSA Prepayment Assumption Rates</u>				
<u>150%</u>	<u>200%</u>	<u>247%</u>	<u>400%</u>	<u>432%</u>
29.3%	24.2%	19.3%	3.3%	0.0%

**Sensitivity of Class PI to Prepayments  
Assumed Price 16.0%\***

<u>PSA Prepayment Assumption Rates</u>				
<u>150%</u>	<u>200%</u>	<u>247%</u>	<u>400%</u>	<u>515%</u>
19.7%	19.7%	19.7%	9.5%	0.0%

\* 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.

**SECURITY GROUP 25**

**Sensitivity of Class SX to Prepayments  
Assumed Price 3.25%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>				
	<u>100%</u>	<u>350%</u>	<u>550%</u>	<u>850%</u>	<u>1,100%</u>
4.33233% . . . . .	46.7%	34.9%	25.3%	10.4%	(2.3)%
5.33233% . . . . .	11.6%	(2.4)%	(14.1)%	(32.6)%	(49.0)%
5.61117% . . . . .	1.6%	(13.0)%	(25.6)%	(46.1)%	(64.7)%
5.89000% and above . .	**	**	**	**	**

**Sensitivity of Class TU to Prepayments  
Assumed Price 1.0%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>				
	<u>100%</u>	<u>350%</u>	<u>550%</u>	<u>850%</u>	<u>1,100%</u>
5.89% and below . . . .	(8.8)%	(23.7)%	(37.4)%	(61.3)%	(83.3)%
5.90% . . . . .	(12.0)%	(26.9)%	(41.1)%	(66.5)%	(89.4)%
5.91% and above . . . .	**	**	**	**	**

**SECURITY GROUPS 18 AND 25**

**Sensitivity of Class SU to Prepayments  
Assumed Price 3.14%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>				
	<u>100%</u>	<u>350%</u>	<u>550%</u>	<u>850%</u>	<u>1,100%</u>
4.33176% . . . . .	48.6%	36.6%	26.8%	11.5%	(1.5)%
5.33176% . . . . .	12.2%	(1.8)%	(13.6)%	(32.4)%	(48.9)%
5.61088% . . . . .	2.0%	(12.7)%	(25.3)%	(45.9)%	(64.7)%
5.89000% and above . .	**	**	**	**	**

**SECURITY GROUP 26**

**Sensitivity of Class CI to Prepayments  
Assumed Price 15.3%\***

<u>PSA Prepayment Assumption Rates</u>					
<u>100%</u>	<u>300%</u>	<u>450%</u>	<u>700%</u>	<u>749%</u>	<u>900%</u>
42.0%	29.9%	20.0%	3.2%	0.0%	(9.5)%

**Sensitivity of Class CO to Prepayments  
Assumed Price 85.15%**

<u>PSA Prepayment Assumption Rates</u>				
<u>100%</u>	<u>300%</u>	<u>450%</u>	<u>700%</u>	<u>900%</u>
1.7%	3.8%	5.2%	7.1%	8.4%

\* 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.

**Sensitivity of Class IC to Prepayments**  
**Assumed Price 18.4%\***

PSA Prepayment Assumption Rates					
<u>100%</u>	<u>300%</u>	<u>450%</u>	<u>700%</u>	<u>775%</u>	<u>900%</u>
34.2%	24.3%	16.8%	4.0%	0.0%	(6.6)%

**Sensitivity of Class OC to Prepayments**  
**Assumed Price 81.3%\***

PSA Prepayment Assumption Rates				
<u>100%</u>	<u>300%</u>	<u>450%</u>	<u>700%</u>	<u>900%</u>
1.9%	3.9%	5.4%	7.6%	9.2%

**Sensitivity of Class XS to Prepayments**  
**Assumed Price 6.0%\***

<u>30-day Average SOFR</u>	PSA Prepayment Assumption Rates				
	<u>100%</u>	<u>300%</u>	<u>450%</u>	<u>700%</u>	<u>900%</u>
4.320% . . . . .	35.5%	25.8%	18.3%	5.5%	(5.0)%
5.320% . . . . .	16.4%	5.8%	(2.5)%	(16.8)%	(28.7)%
5.985% . . . . .	3.4%	(7.9)%	(16.8)%	(32.5)%	(45.9)%
6.650% and above . . .	**	**	**	**	**

\* 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 LLP, the Trust will constitute a Double REMIC Series for United States federal income tax purposes. Separate REMIC elections will be made for the Pooling REMIC and the Issuing REMIC.

**Regular Securities**

The Regular Securities will be treated as debt instruments issued by the Issuing 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 and 21	360%
3, 8, 10, 14, 16 and 23	240%
4, 7, 13, 17 and 22	365%
5	600%
6 and 26	450%
9	300%
11	750%
12	350%
15	367%
18 and 25	550%
19	230%
20 and 24	200%

In the case of the Floating Rate Classes, the interest rate values to be used for these determinations are the initial Interest Rates 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 30-day Average 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**

The Class RR Securities will represent the beneficial ownership of the Residual Interest in the Pooling REMIC and the beneficial ownership of the Residual Interest in the Issuing 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 Trust REMICs, and these requirements will continue until there are no outstanding regular interests in the respective Trust REMICs. 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 Trust REMICs 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, if any, from (1) June 1, 2024 on the Fixed Rate Classes and (2) June 20, 2024 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 (1) the Original Class Principal Balance (or original Class Notional Balance) and (2) the Scheduled Principal Balances or Aggregate Scheduled Principal Balances 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, the Final Schedules 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.



Available Combinations(1)

Class	REMIC Securities			MX Securities						
	Original Class Principal Balance or Class Notional Balance	Maximum Original Class Principal Balance or Class Notional Balance(2)	Related MX Class	Principal Type(3)	Interest Rate	Interest Type(3)	CUSIP Number	Final Distribution Date(4)		
<b>Security Group 4</b>										
Combination 1										
SD	\$100,000,000	\$151,500,000	GS	NTL(PT)	(5)	INV/IO	38384PUG3	June 2054		
SY	51,500,000									
Combination 2(6)										
D	\$135,218,000	\$185,958,336	DJ	PT	3.00%	FIX	38384PUH1	June 2054		
DL	17,343,000	185,958,336	DK	PT	4.00	FIX	38384PUJ7	June 2054		
DM	7,661,000	185,958,336	DN	PT	4.50	FIX	38384PUK4	June 2054		
DY	25,736,336	185,958,336	DO	PT	0.00	PO	38384PUL2	June 2054		
		167,362,502	DP	PT	5.00	FIX	38384PUM0	June 2054		
		152,147,729	DQ	PT	5.50	FIX	38384PWJ5	June 2054		
		128,740,386	ID	NTL(PT)	6.50	FIX/IO	38384PUN8	June 2054		
Combination 3(6)										
D	\$135,218,000	\$135,218,000	DB	SEQ	2.50%	FIX	38384PUP3	December 2050		
		135,218,000	DC	SEQ	3.00	FIX	38384PUQ1	December 2050		
		135,218,000	DE	SEQ	4.00	FIX	38384PUR9	December 2050		
		135,218,000	DG	SEQ	4.50	FIX	38384PUS7	December 2050		
		108,174,400	DH	SEQ	5.00	FIX	38384PUT5	December 2050		
		41,605,538	DI	NTL(SEQ)	6.50	FIX/IO	38384PUU2	December 2050		
Combination 4										
DM	\$ 7,661,000	\$ 33,397,336	YD	SEQ	4.50%	FIX	38384PUV0	June 2054		
DY	25,736,336									
Combination 5										
DL	\$ 17,343,000	\$ 50,740,336	DT	SEQ	4.50%	FIX	38384PUW8	June 2054		
DM	7,661,000									
DY	25,736,336									

REMIC Securities			MX Securities					
Class	Original Class Principal Balance or Class Notional Balance	Related MX Class	Maximum Original Class Principal or Class Notional Balance(2)	Principal Type(3)	Interest Rate	Interest Type(3)	CUSIP Number	Final Distribution Date(4)
Combination 6								
EA	\$ 26,433,000	E	\$ 36,000,000	PT	4.50%	FIX	38384PUX6	June 2054
EL	3,320,000							
EY	6,247,000							
Combination 7								
EL	\$ 3,320,000	EM	\$ 9,567,000	SEQ	4.50%	FIX	38384PUY4	June 2054
EY	6,247,000							
Combination 8(6)								
D	\$135,218,000	NA	\$152,561,000	SEQ	2.50%	FIX	38384PUZ1	April 2052
DL	17,343,000	NB	152,561,000	SEQ	3.00	FIX	38384PVA5	April 2052
		NC	152,561,000	SEQ	3.50	FIX	38384PVB3	April 2052
		ND	152,561,000	SEQ	4.00	FIX	38384PVC1	April 2052
		NE	152,561,000	SEQ	4.50	FIX	38384PVD9	April 2052
		NG	122,048,800	SEQ	5.00	FIX	38384PVE7	April 2052
		NI	46,941,846	NTL(SEQ)	6.50	FIX/IO	38384PVF4	April 2052
Combination 9(6)								
D	\$135,218,000	IN	\$ 36,974,307	NTL(SEQ)	6.50%	FIX/IO	38384PVG2	October 2052
DL	17,343,000	NH	160,222,000	SEQ	3.00	FIX	38384PVH0	October 2052
DM	7,661,000	NJ	160,222,000	SEQ	4.00	FIX	38384PVJ6	October 2052
		NK	160,222,000	SEQ	4.50	FIX	38384PVK3	October 2052
		NL	120,166,500	SEQ	5.00	FIX	38384PVL1	October 2052
		NM	96,133,200	SEQ	5.50	FIX	38384PVM9	October 2052
Combination 10								
EA	\$ 26,433,000	EC	\$ 29,753,000	SEQ	4.50%	FIX	38384PVN7	May 2052
EL	3,320,000							
<b>Security Group 5</b>								
Combination 11								
GA	\$ 11,045,000	G	\$ 13,000,000	PT	5.00%	FIX	38384PVP2	June 2054
GB	1,955,000							

REMIC Securities			MX Securities						
Class	Original Class Principal Balance or Class Notional 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)	
<b>Security Group 6</b>									
Combination 12(6)									
HA	\$ 31,317,000	H	\$ 31,317,000	SEQ	4.00%	FIX	38384PVQ0	November 2051	
		HB	28,185,300	SEQ	5.00	FIX	38384PVR8	November 2051	
		HI	20,132,357	NTL(SEQ)	7.00	FIX/IO	38384PVS6	November 2051	
		HO	31,317,000	SEQ	0.00	PO	38384PVT4	November 2051	
Combination 13(6)									
HA	\$ 31,317,000	HC	\$ 40,000,000	PT	4.00%	FIX	38384PVU1	June 2054	
HY	8,683,000	HD	40,000,000	PT	4.50	FIX	38384PVV9	June 2054	
		HE	36,000,000	PT	5.00	FIX	38384PVW7	June 2054	
		IH	25,714,285	NTL(PT)	7.00	FIX/IO	38384PVX5	June 2054	
		OH	40,000,000	PT	0.00	PO	38384PVY3	June 2054	
<b>Security Group 7</b>									
Combination 14									
JF	\$100,000,000	FJ	\$100,000,000	PT	(5)	FLT	38384PVZ0	June 2054	
TH	100,000,000								
TJ	100,000,000								
Combination 15									
JF	\$100,000,000	FY	\$100,000,000	PT	(5)	FLT	38384PWA4	June 2054	
TH	100,000,000								
<b>Security Groups 4 and 7</b>									
Combination 16(7)									
FP	\$133,333,334	QF	\$266,666,668	PT	(5)	FLT	38384PWB2	June 2054	
NF	133,333,334								
<b>Security Group 8</b>									
Combination 17									
KL	\$ 3,093,000	KY	\$ 10,944,334	SEQ	3.00%	FIX	38384PWC0	June 2054	
KM	7,851,334								
Combination 18									
KA	\$ 22,389,000	K	\$ 33,333,334	PT	3.00%	FIX	38384PWD8	June 2054	
KL	3,093,000								
KM	7,851,334								

REMIC Securities			MX Securities						
Class	Original Class Principal Balance or Class Notional 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)	
Combination 19(6)									
KA	\$ 22,389,000	IK	\$ 12,741,000	NTL(SEQ)	6.00%	FIX/IO	38384PWE6	May 2051	
KL	3,093,000	KC	25,482,000	SEQ	3.00	FIX	38384PWF3	May 2051	
		KN	25,482,000	SEQ	2.00	FIX	38384PWG1	May 2051	
		KP	25,482,000	SEQ	2.50	FIX	38384PWH9	May 2051	
		KQ	21,841,714	SEQ	3.50	FIX	38384PWK2	May 2051	
		KT	19,111,500	SEQ	4.00	FIX	38384PWL0	May 2051	
		KU	16,988,000	SEQ	4.50	FIX	38384PWM8	May 2051	
		KV	15,289,200	SEQ	5.00	FIX	38384PWN6	May 2051	
		OK	25,482,000	SEQ	0.00	PO	38384PWP1	May 2051	
Combination 20(6)									
KA	\$ 22,389,000	KB	\$ 22,389,000	SEQ	2.00%	FIX	38384PWQ9	November 2049	
		KD	22,389,000	SEQ	2.50	FIX	38384PWR7	November 2049	
		KE	19,190,571	SEQ	3.50	FIX	38384PWS5	November 2049	
		KG	16,791,750	SEQ	4.00	FIX	38384PWT3	November 2049	
		KH	14,926,000	SEQ	4.50	FIX	38384PWU0	November 2049	
		KI	11,194,500	NTL(SEQ)	6.00	FIX/IO	38384PWW8	November 2049	
		KJ	13,433,400	SEQ	5.00	FIX	38384PWW6	November 2049	
		KO	22,389,000	SEQ	0.00	PO	38384PWX4	November 2049	
<b>Security Group 13</b>									
Combination 21									
TP	\$250,000,000	CF	\$250,000,000	PT	(5)	FLT	38384PWW2	June 2054	
YC	250,000,000								
Combination 22									
TP	\$250,000,000	DF	\$250,000,000	PT	(5)	FLT	38384PWWZ9	June 2054	
TQ	250,000,000								
YC	250,000,000								
<b>Security Group 14</b>									
Combination 23									
AS	\$ 40,000,000	JS	\$100,000,000	NTL(PT)	(5)	INV/IO	38384PXA3	June 2054	
DS	60,000,000								

REMIC Securities

MX Securities

Class	REMIC Securities		MX Securities						
	Original Class Principal Balance or Class Notional 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)	
Combination 24(6)									
AB	\$ 39,167,000	AG	\$ 43,752,000	SEQ	4.00%	FIX	38384PXB1	January 2053	
AL	4,585,000	AH	43,752,000	SEQ	4.50	FIX	38384PXC9	January 2053	
		AJ	43,752,000	SEQ	5.00	FIX	38384PXD7	January 2053	
		AK	39,774,545	SEQ	5.50	FIX	38384PXE5	January 2053	
		IA	31,251,428	NTL(SEQ)	7.00	FIX/IO	38384PXF2	January 2053	
		OA	43,752,000	SEQ	0.00	PO	38384PXX0	January 2053	
Combination 25(6)									
AB	\$ 39,167,000	A	\$ 50,000,000	PT	5.00%	FIX	38384PXH8	June 2054	
AL	4,585,000	BG	50,000,000	PT	4.00	FIX	38384PXJ4	June 2054	
AM	6,248,000	BH	50,000,000	PT	4.50	FIX	38384P XK1	June 2054	
		BI	35,714,285	NTL(PT)	7.00	FIX/IO	38384PXL9	June 2054	
		BJ	45,454,545	PT	5.50	FIX	38384PXM7	June 2054	
		BO	50,000,000	PT	0.00	PO	38384P XN5	June 2054	
Combination 26									
AL	\$ 4,585,000	AY	\$ 10,833,000	SEQ	5.00%	FIX	38384PXP0	June 2054	
AM	6,248,000								
Combination 27(6)									
AB	\$ 39,167,000	AC	\$ 39,167,000	SEQ	4.00%	FIX	38384P XQ8	November 2051	
		AD	39,167,000	SEQ	4.50	FIX	38384P XR6	November 2051	
		AE	35,606,363	SEQ	5.50	FIX	38384P XS4	November 2051	
		AI	27,976,428	NTL(SEQ)	7.00	FIX/IO	38384P XT2	November 2051	
		AO	39,167,000	SEQ	0.00	PO	38384P XU9	November 2051	
<b>Security Group 16</b>									
Combination 28(6)									
LE	\$ 59,032,000	MB	\$ 76,556,350	PT	5.00%	FIX	38384P XV7	June 2054	
LG	13,588,000	MD	72,910,809	PT	5.25	FIX	38384P XW5	June 2054	
LM	3,936,350	ME	69,596,681	PT	5.50	FIX	38384P XX3	June 2054	
		MG	76,556,350	PT	4.50	FIX	38384P XY1	June 2054	
		MI	63,796,958	NTL(PT)	6.00	FIX/IO	38384P XZ8	June 2054	
		MO	76,556,350	PT	0.00	PO	38384P YA2	June 2054	

REMIC Securities

MX Securities

Class	Original Class		Related MX Class	Maximum		Principal Type(3)	Interest Rate	Interest Type(3)	CUSIP Number	Final Distribution Date(4)
	Principal Balance or Class Notional Balance	Notional Balance		Original Class Principal Balance or Class Notional Balance(2)	Principal Type(3)					
Combination 29(6)										
LE	\$ 59,032,000		LC	\$ 59,032,000		SEQ	3.50%	FIX	38384PYB0	June 2051
			LD	59,032,000		SEQ	4.00	FIX	38384PYC8	June 2051
			LH	59,032,000		SEQ	4.50	FIX	38384PYD6	June 2051
			LI	49,193,333		NTL(SEQ)	6.00	FIX/IO	38384PYE4	June 2051
			IJ	56,220,952		SEQ	5.25	FIX	38384PYF1	June 2051
			LK	53,665,454		SEQ	5.50	FIX	38384PYG9	June 2051
			LO	59,032,000		SEQ	0.00	PO	38384PYH7	June 2051
Combination 30			LY	\$ 17,524,350		SEQ	5.00%	FIX	38384PYJ3	June 2054
IG	\$ 13,588,000									
LM	3,936,350									
Combination 31(6)			IL	\$ 60,516,666		NTL(SEQ)	6.00%	FIX/IO	38384PYK0	November 2053
LE	\$ 59,032,000		LN	72,620,000		SEQ	3.50	FIX	38384PYL8	November 2053
IG	13,588,000		LP	72,620,000		SEQ	4.00	FIX	38384PYM6	November 2053
			LQ	72,620,000		SEQ	4.50	FIX	38384PYN4	November 2053
			LT	72,620,000		SEQ	5.00	FIX	38384PYP9	November 2053
			LU	69,161,904		SEQ	5.25	FIX	38384PYQ7	November 2053
			LV	66,018,181		SEQ	5.50	FIX	38384PYR5	November 2053
			OL	72,620,000		SEQ	0.00	PO	38384PYS3	November 2053
<b>Security Group 18</b>			M	\$ 25,000,000		PT	5.00%	FIX	38384PYT1	June 2064
Combination 32										
MA	\$ 22,337,000									
ML	1,663,000									
MN	1,000,000									
Combination 33			MY	\$ 2,663,000		SEQ	5.00%	FIX	38384PYU8	June 2064
ML	\$ 1,663,000									
MN	1,000,000									
Combination 34			MC	\$ 24,000,000		SEQ	5.00%	FIX	38384PYV6	January 2064
MA	\$ 22,337,000									
ML	1,663,000									

REMIC Securities			MX Securities						
Class	Original Class Principal Balance or Class Notional 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)	
<b>Security Group 22</b>									
Combination 35									
TC	\$150,000,000	YB	\$150,000,000	PT	(5)	FLT	38384PYW4	June 2054	
TN	150,000,000								
YA	150,000,000								
Combination 36									
TN	\$150,000,000	FW	\$150,000,000	PT	(5)	FLT	38384PYX2	June 2054	
YA	150,000,000								
<b>Security Group 23</b>									
Combination 37									
QA	\$ 17,462,000	QT	\$ 22,500,000	PT	4.00%	FIX	38384PYY0	June 2054	
QY	5,038,000								
<b>Security Group 24</b>									
Combination 38(6)									
P	\$ 37,256,000	PB	\$ 37,256,000	SC/PAC	5.00%	FIX	38384PYZ7	October 2049	
		PC	37,256,000	SC/PAC	5.25	FIX	38384PZA1	October 2049	
		PD	24,837,333	SC/PAC	5.75	FIX	38384PZB9	October 2049	
		PE	18,628,000	SC/PAC	6.00	FIX	38384PZC7	October 2049	
		PI	2,865,846	NTL(SC/PAC)	6.50	FIX/IO	38384PZD5	October 2049	
Combination 39(6)									
P	\$ 37,256,000	JA	\$ 50,000,000	SC/PT	4.50%	FIX	38384PZE3	October 2049	
UA	12,744,000	JB	50,000,000	SC/PT	5.00	FIX	38384PZF0	October 2049	
		JC	50,000,000	SC/PT	5.25	FIX	38384PZG8	October 2049	
		JD	50,000,000	SC/PT	5.50	FIX	38384PZH6	October 2049	
		JE	40,000,000	SC/PT	5.75	FIX	38384PZJ2	October 2049	
		JG	33,333,333	SC/PT	6.00	FIX	38384PZK9	October 2049	
		JL	7,692,307	NTL(SC/PT)	6.50	FIX/IO	38384PZL7	October 2049	
<b>Security Groups 18 and 25</b>									
Combination 40(7)									
SM	\$110,000,000	SU	\$160,000,000	NTL(PT)	(5)	INV/IO	38384PZM5	June 2064	
SX	50,000,000								

Class	REMIC Securities		MX Securities					
	Original Class Principal Balance or Class Notional 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)
<b>Security Group 26</b>								
Combination 41(6)								
CA	\$ 17,433,000	CD	\$ 17,433,000	SEQ	4.00%	FIX	38384PZN3	January 2053
		CE	17,433,000	SEQ	4.50	FIX	38384PZF8	January 2053
		CG	15,848,181	SEQ	5.50	FIX	38384PZQ6	January 2053
		CI	12,452,142	NTL(SEQ)	7.00	FIX/IO	38384PZR4	January 2053
		CO	17,433,000	SEQ	0.00	PO	38384PZS2	January 2053
Combination 42(6)								
CA	\$ 17,433,000	GH	\$ 20,000,000	PT	4.00%	FIX	38384PZT0	June 2054
CB	2,567,000	CJ	20,000,000	PT	4.50	FIX	38384PZU7	June 2054
		CK	20,000,000	PT	5.00	FIX	38384PZV5	June 2054
		CL	18,181,818	PT	5.50	FIX	38384PZW3	June 2054
		IC	14,285,714	NTL(PT)	7.00	FIX/IO	38384PZX1	June 2054
		OC	20,000,000	PT	0.00	PO	38384PZY9	June 2054

- (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) The Interest Rate will be calculated as described under “Terms Sheet — Interest Rates” in this Supplement.
- (6) In the case of Combinations 2, 3, 8, 9, 12, 13, 19, 20, 24, 25, 27, 28, 29, 31, 38, 39, 41 and 42, various subcombinations are permitted. See “Description of the Securities — Modification and Exchange” in the Base Offering Circular for a discussion of subcombinations.
- (7) Derived from REMIC Classes relating to separate Groups.



**Schedule II**

**SCHEDULED PRINCIPAL BALANCES**

<u>Distribution Date</u>	<u>Classes PA and PZ (in the aggregate)</u>	<u>Class P</u>
Initial Balance .....	\$75,618,698.00	\$37,256,000.00
July 2024 .....	75,393,899.41	37,145,260.36
August 2024 .....	75,137,593.67	37,015,207.30
September 2024 .....	74,849,811.67	36,865,880.12
October 2024 .....	74,530,615.70	36,697,332.95
November 2024 .....	74,180,099.51	36,509,634.74
December 2024 .....	73,798,388.39	36,302,869.26
January 2025 .....	73,385,639.15	36,077,135.11
February 2025 .....	72,942,040.07	35,832,545.58
March 2025 .....	72,467,810.78	35,569,228.69
April 2025 .....	71,963,202.11	35,287,327.01
May 2025 .....	71,428,495.89	34,986,997.63
June 2025 .....	70,864,004.62	34,668,411.97
July 2025 .....	70,270,071.20	34,331,755.69
August 2025 .....	69,647,068.54	33,977,228.48
September 2025 .....	68,995,399.10	33,605,043.93
October 2025 .....	68,315,494.43	33,215,429.29
November 2025 .....	67,607,814.64	32,808,625.26
December 2025 .....	66,872,847.78	32,384,885.78
January 2026 .....	66,111,109.24	31,944,477.73
February 2026 .....	65,323,141.03	31,487,680.71
March 2026 .....	64,509,511.05	31,014,786.72
April 2026 .....	63,670,812.33	30,526,099.87
May 2026 .....	62,807,662.16	30,021,936.05
June 2026 .....	61,920,701.27	29,502,622.59
July 2026 .....	61,010,592.86	28,968,497.93
August 2026 .....	60,078,021.68	28,419,911.24
September 2026 .....	59,123,693.02	27,857,222.04
October 2026 .....	58,148,331.70	27,281,080.79
November 2026 .....	57,152,680.95	26,700,087.50
December 2026 .....	56,165,914.43	26,123,775.65
January 2027 .....	55,187,924.73	25,552,108.32
February 2027 .....	54,218,605.50	24,985,048.88
March 2027 .....	53,257,851.47	24,422,561.00
April 2027 .....	52,305,558.39	23,864,608.61
May 2027 .....	51,361,623.05	23,311,155.94
June 2027 .....	50,425,943.25	22,762,167.51
July 2027 .....	49,498,417.83	22,217,608.09
August 2027 .....	48,578,946.59	21,677,442.75
September 2027 .....	47,667,430.35	21,141,636.82
October 2027 .....	46,763,770.87	20,610,155.92
November 2027 .....	45,867,870.91	20,082,965.92
December 2027 .....	44,979,634.15	19,560,032.97
January 2028 .....	44,098,965.26	19,041,323.47
February 2028 .....	43,225,769.79	18,526,804.11

<u>Distribution Date</u>	<u>Classes PA and PZ (in the aggregate)</u>	<u>Class P</u>
March 2028	\$42,359,954.24	\$18,016,441.82
April 2028	41,501,426.03	17,510,203.79
May 2028	40,650,093.47	17,008,057.47
June 2028	39,805,865.76	16,509,970.59
July 2028	38,968,652.98	16,015,911.09
August 2028	38,138,366.10	15,525,847.19
September 2028	37,314,916.93	15,039,747.35
October 2028	36,498,218.14	14,557,580.28
November 2028	35,688,183.26	14,079,314.93
December 2028	34,884,726.62	13,604,920.51
January 2029	34,087,763.41	13,134,366.46
February 2029	33,297,209.60	12,667,622.45
March 2029	32,512,982.00	12,204,658.40
April 2029	31,742,009.19	11,745,444.47
May 2029	30,989,046.76	11,289,951.05
June 2029	30,253,678.13	10,838,148.75
July 2029	29,535,496.35	10,390,008.42
August 2029	28,834,103.75	9,945,501.15
September 2029	28,149,111.86	9,504,598.24
October 2029	27,480,141.09	9,067,271.23
November 2029	26,826,820.60	8,633,491.86
December 2029	26,188,788.07	8,203,232.12
January 2030	25,565,689.49	7,776,464.20
February 2030	24,957,179.02	7,353,160.51
March 2030	24,362,918.75	6,933,293.69
April 2030	23,782,578.54	6,516,836.59
May 2030	23,215,835.86	6,103,762.26
June 2030	22,662,375.57	5,694,043.97
July 2030	22,121,889.81	5,287,655.20
August 2030	21,594,077.78	4,884,569.65
September 2030	21,078,645.61	4,484,761.20
October 2030	20,575,306.20	4,088,203.95
November 2030	20,083,779.05	3,694,872.21
December 2030	19,603,790.11	3,304,740.49
January 2031	19,135,071.64	2,917,783.48
February 2031	18,677,362.09	2,533,976.10
March 2031	18,230,405.89	2,153,293.43
April 2031	17,793,953.38	1,775,710.78
May 2031	17,367,760.66	1,401,203.63
June 2031	16,951,589.43	1,029,747.67
July 2031	16,545,206.89	661,318.77
August 2031	16,148,385.59	295,893.00
September 2031	15,760,903.33	0.00
October 2031	15,382,543.05	0.00
November 2031	15,013,092.65	0.00
December 2031	14,652,344.97	0.00
January 2032	14,300,097.59	0.00
February 2032	13,956,152.77	0.00

<u>Distribution Date</u>	<u>Classes PA and PZ (in the aggregate)</u>	<u>Class P</u>
March 2032	\$13,620,317.32	\$ 0.00
April 2032	13,292,402.54	0.00
May 2032	12,972,224.04	0.00
June 2032	12,659,601.71	0.00
July 2032	12,354,359.59	0.00
August 2032	12,056,325.77	0.00
September 2032	11,765,332.34	0.00
October 2032	11,481,215.23	0.00
November 2032	11,203,814.17	0.00
December 2032	10,932,972.61	0.00
January 2033	10,668,537.59	0.00
February 2033	10,410,359.70	0.00
March 2033	10,158,292.96	0.00
April 2033	9,912,194.80	0.00
May 2033	9,671,925.91	0.00
June 2033	9,437,350.21	0.00
July 2033	9,208,334.78	0.00
August 2033	8,984,749.76	0.00
September 2033	8,766,468.29	0.00
October 2033	8,553,366.45	0.00
November 2033	8,345,323.19	0.00
December 2033	8,142,220.25	0.00
January 2034	7,943,942.12	0.00
February 2034	7,750,375.96	0.00
March 2034	7,561,411.53	0.00
April 2034	7,376,941.14	0.00
May 2034	7,196,859.63	0.00
June 2034	7,021,064.22	0.00
July 2034	6,849,454.57	0.00
August 2034	6,681,932.61	0.00
September 2034	6,518,402.57	0.00
October 2034	6,358,770.91	0.00
November 2034	6,202,946.24	0.00
December 2034	6,050,839.28	0.00
January 2035	5,902,362.84	0.00
February 2035	5,757,431.76	0.00
March 2035	5,615,962.81	0.00
April 2035	5,477,874.75	0.00
May 2035	5,343,088.18	0.00
June 2035	5,211,525.57	0.00
July 2035	5,083,111.17	0.00
August 2035	4,957,771.00	0.00
September 2035	4,835,432.80	0.00
October 2035	4,716,025.97	0.00
November 2035	4,599,481.58	0.00
December 2035	4,485,732.28	0.00
January 2036	4,374,712.28	0.00
February 2036	4,266,357.35	0.00

<u>Distribution Date</u>	<u>Classes PA and PZ (in the aggregate)</u>	<u>Class P</u>
March 2036	\$ 4,160,604.71	\$ 0.00
April 2036	4,057,393.08	0.00
May 2036	3,956,662.58	0.00
June 2036	3,858,354.73	0.00
July 2036	3,762,412.42	0.00
August 2036	3,668,779.85	0.00
September 2036	3,577,402.53	0.00
October 2036	3,488,227.25	0.00
November 2036	3,401,202.01	0.00
December 2036	3,316,276.06	0.00
January 2037	3,233,399.79	0.00
February 2037	3,152,524.77	0.00
March 2037	3,073,603.71	0.00
April 2037	2,996,590.39	0.00
May 2037	2,921,439.69	0.00
June 2037	2,848,107.54	0.00
July 2037	2,776,550.90	0.00
August 2037	2,706,727.72	0.00
September 2037	2,638,596.96	0.00
October 2037	2,572,118.49	0.00
November 2037	2,507,253.17	0.00
December 2037	2,443,962.74	0.00
January 2038	2,382,209.85	0.00
February 2038	2,321,958.02	0.00
March 2038	2,263,171.60	0.00
April 2038	2,205,815.81	0.00
May 2038	2,149,856.66	0.00
June 2038	2,095,260.97	0.00
July 2038	2,041,996.31	0.00
August 2038	1,990,031.04	0.00
September 2038	1,939,334.24	0.00
October 2038	1,889,875.72	0.00
November 2038	1,841,626.00	0.00
December 2038	1,794,556.29	0.00
January 2039	1,748,638.46	0.00
February 2039	1,703,845.07	0.00
March 2039	1,660,149.29	0.00
April 2039	1,617,524.94	0.00
May 2039	1,575,946.45	0.00
June 2039	1,535,388.84	0.00
July 2039	1,495,827.74	0.00
August 2039	1,457,239.31	0.00
September 2039	1,419,600.32	0.00
October 2039	1,382,888.05	0.00
November 2039	1,347,080.32	0.00
December 2039	1,312,155.49	0.00
January 2040	1,278,092.41	0.00
February 2040	1,244,870.43	0.00

<u>Distribution Date</u>	<u>Classes PA and PZ (in the aggregate)</u>	<u>Class P</u>
March 2040 . . . . .	\$ 1,212,469.38	\$ 0.00
April 2040 . . . . .	1,180,869.59	0.00
May 2040 . . . . .	1,150,051.82	0.00
June 2040 . . . . .	1,119,997.30	0.00
July 2040 . . . . .	1,090,687.71	0.00
August 2040 . . . . .	1,062,105.15	0.00
September 2040 . . . . .	1,034,232.14	0.00
October 2040 . . . . .	1,007,051.61	0.00
November 2040 . . . . .	980,546.90	0.00
December 2040 . . . . .	954,701.75	0.00
January 2041 . . . . .	929,500.27	0.00
February 2041 . . . . .	904,926.94	0.00
March 2041 . . . . .	880,966.63	0.00
April 2041 . . . . .	857,604.55	0.00
May 2041 . . . . .	834,826.25	0.00
June 2041 . . . . .	812,617.65	0.00
July 2041 . . . . .	790,964.98	0.00
August 2041 . . . . .	769,854.80	0.00
September 2041 . . . . .	749,273.99	0.00
October 2041 . . . . .	729,209.75	0.00
November 2041 . . . . .	709,649.56	0.00
December 2041 . . . . .	690,581.21	0.00
January 2042 . . . . .	671,992.79	0.00
February 2042 . . . . .	653,872.66	0.00
March 2042 . . . . .	636,209.46	0.00
April 2042 . . . . .	618,992.08	0.00
May 2042 . . . . .	602,209.70	0.00
June 2042 . . . . .	585,851.75	0.00
July 2042 . . . . .	569,907.91	0.00
August 2042 . . . . .	554,368.10	0.00
September 2042 . . . . .	539,222.47	0.00
October 2042 . . . . .	524,461.43	0.00
November 2042 . . . . .	510,075.60	0.00
December 2042 . . . . .	496,055.84	0.00
January 2043 . . . . .	482,393.19	0.00
February 2043 . . . . .	469,078.94	0.00
March 2043 . . . . .	456,104.58	0.00
April 2043 . . . . .	443,461.80	0.00
May 2043 . . . . .	431,142.47	0.00
June 2043 . . . . .	419,138.69	0.00
July 2043 . . . . .	407,442.71	0.00
August 2043 . . . . .	396,047.00	0.00
September 2043 . . . . .	384,944.18	0.00
October 2043 . . . . .	374,127.06	0.00
November 2043 . . . . .	363,588.63	0.00
December 2043 . . . . .	353,322.03	0.00
January 2044 . . . . .	343,320.58	0.00
February 2044 . . . . .	333,577.74	0.00

<u>Distribution Date</u>	<u>Classes PA and PZ (in the aggregate)</u>	<u>Class P</u>
March 2044	\$ 324,087.15	\$ 0.00
April 2044	314,842.59	0.00
May 2044	305,837.98	0.00
June 2044	297,067.40	0.00
July 2044	288,525.07	0.00
August 2044	280,205.35	0.00
September 2044	272,102.73	0.00
October 2044	264,211.82	0.00
November 2044	256,527.39	0.00
December 2044	249,044.31	0.00
January 2045	241,757.58	0.00
February 2045	234,662.33	0.00
March 2045	227,753.79	0.00
April 2045	221,027.32	0.00
May 2045	214,478.39	0.00
June 2045	208,102.57	0.00
July 2045	201,895.54	0.00
August 2045	195,853.09	0.00
September 2045	189,971.10	0.00
October 2045	184,245.57	0.00
November 2045	178,672.57	0.00
December 2045	173,248.29	0.00
January 2046	167,969.00	0.00
February 2046	162,831.05	0.00
March 2046	157,830.90	0.00
April 2046	152,965.08	0.00
May 2046	148,230.22	0.00
June 2046	143,623.01	0.00
July 2046	139,140.23	0.00
August 2046	134,778.75	0.00
September 2046	130,535.49	0.00
October 2046	126,407.48	0.00
November 2046	122,391.79	0.00
December 2046	118,485.57	0.00
January 2047	114,686.06	0.00
February 2047	110,990.54	0.00
March 2047	107,396.36	0.00
April 2047	103,900.96	0.00
May 2047	100,501.80	0.00
June 2047	97,196.45	0.00
July 2047	93,982.50	0.00
August 2047	90,857.62	0.00
September 2047	87,819.54	0.00
October 2047	84,866.02	0.00
November 2047	81,994.90	0.00
December 2047	79,204.06	0.00
January 2048	76,491.45	0.00
February 2048	73,855.04	0.00

<u>Distribution Date</u>	<u>Classes PA and PZ (in the aggregate)</u>	<u>Class P</u>
March 2048	\$ 71,292.88	\$ 0.00
April 2048	68,803.05	0.00
May 2048	66,383.68	0.00
June 2048	64,032.96	0.00
July 2048	61,749.10	0.00
August 2048	59,530.36	0.00
September 2048	57,375.07	0.00
October 2048	55,281.58	0.00
November 2048	53,248.26	0.00
December 2048	51,273.56	0.00
January 2049	49,355.95	0.00
February 2049	47,493.93	0.00
March 2049	45,686.06	0.00
April 2049	43,930.90	0.00
May 2049	42,227.09	0.00
June 2049	40,573.26	0.00
July 2049	38,968.11	0.00
August 2049	37,410.35	0.00
September 2049	35,898.73	0.00
October 2049	34,432.04	0.00
November 2049	33,009.08	0.00
December 2049	31,628.69	0.00
January 2050	30,289.74	0.00
February 2050	28,991.14	0.00
March 2050	27,731.80	0.00
April 2050	26,510.68	0.00
May 2050	25,326.75	0.00
June 2050	24,179.03	0.00
July 2050	23,066.54	0.00
August 2050	21,988.34	0.00
September 2050	20,943.49	0.00
October 2050	19,931.11	0.00
November 2050	18,950.31	0.00
December 2050	18,000.25	0.00
January 2051	17,080.08	0.00
February 2051	16,189.00	0.00
March 2051	15,326.22	0.00
April 2051	14,490.96	0.00
May 2051	13,682.47	0.00
June 2051	12,900.02	0.00
July 2051	12,142.90	0.00
August 2051	11,410.41	0.00
September 2051	10,701.87	0.00
October 2051	10,016.62	0.00
November 2051	9,354.02	0.00
December 2051	8,713.43	0.00
January 2052	8,094.26	0.00
February 2052	7,495.90	0.00

<u>Distribution Date</u>	<u>Classes PA and PZ (in the aggregate)</u>	<u>Class P</u>
March 2052 .....	\$ 6,917.77	\$ 0.00
April 2052 .....	6,359.30	0.00
May 2052 .....	5,819.95	0.00
June 2052 .....	5,299.18	0.00
July 2052 .....	4,796.47	0.00
August 2052 .....	4,311.30	0.00
September 2052 .....	3,843.18	0.00
October 2052 .....	3,391.62	0.00
November 2052 .....	2,956.16	0.00
December 2052 .....	2,536.33	0.00
January 2053 .....	2,131.70	0.00
February 2053 .....	1,741.81	0.00
March 2053 .....	1,366.26	0.00
April 2053 .....	1,004.62	0.00
May 2053 .....	656.50	0.00
June 2053 .....	321.50	0.00
July 2053 and thereafter .....	0.00	0.00



Underlying Certificates

Trust Asset Group or Subgroup	Issuer	Series	Class	Issue Date	CUSIP Number	Interest Rate	Interest Type(I)	Final Distribution Date	Principal Type(I)	Original Principal or Notional Balance of Class	Underlying Certificate Factor(2)	Principal or Notional Balance in Trust	Percentage of Class in Trust	Ginnie Mae I or II
2A	Ginnie Mae	2024-051	PS	March 28, 2024	38384KUK5	(3)	INV/IO	March 2054	NTL(PT)	\$ 31,400,000	0.99713236	\$31,399,956.10	100.000000000000%	II
2B	Ginnie Mae	2024-004	SE	January 30, 2024	38384HYR3	(3)	INV/IO	January 2054	NTL(PT)	35,000,000	0.99532600	34,836,410.00	100.000000000000	II
19	Ginnie Mae	2024-079	KA	May 30, 2024	38384PCH1	4.50%	FIX	January 2050	SEQ	85,893,000	0.99727917	18,482,011.39	21.5761878151	II
20	Ginnie Mae	2018-037	IO	March 29, 2018	38380WY73	5.00	FIX/IO	March 2048	NTL(PT)	39,407,773	0.21643753	184,188.34	2.1594724472	II
20	Ginnie Mae	2018-077	IO	June 29, 2018	38380XLA3	5.00	FIX/IO	June 2048	NTL(PT)	16,600,000	0.18576821	1,849,508.30	59.9759036145	II
20	Ginnie Mae	2020-076	AI	May 29, 2020	38382EWG8	5.00	FIX/IO	May 2051	NTL(PAC/AD)	47,487,300	0.37151559	17,642,272.28	100.000000000000	II
20	Ginnie Mae	2021-064	IK(4)(5)	April 30, 2021	38382QKK5	5.00	FIX/IO	April 2051	NTL(SC/PT)	19,296,658	0.39553997	7,632,599.53	100.000000000000	II
20	Ginnie Mae	2022-179	AI(4)	October 28, 2022	38383YV0	5.00	FIX/IO	November 2053	NTL(PAC I)	6,414,400	0.91584515	2,937,298.57	50.000000000000	II
20	Ginnie Mae	2023-024	KI	February 28, 2023	38383WBH8	5.00	FIX/IO	February 2053	NTL(PT)	5,390,194	0.88160604	4,752,027.59	100.000000000000	II
24	Ginnie Mae	2024-079	NC(4)	May 30, 2024	38384PCX2	5.50	FIX	October 2049	SEQ	104,014,000	0.99816642	50,000,000.59	48.1587555321	II

- (1) As defined under “Class Types” in Appendix I to the Base Offering Circular.
- (2) Underlying Certificate Factors are as of June 2024.
- (3) The Interest Rate will be calculated as described under “Terms Sheet — Interest Rates” in the related Underlying Certificate Disclosure Document.
- (4) MX Class.
- (5) Class IK is further backed by previously issued Ginnie Mae REMIC and MX Certificates, one of which is further backed by a previously issued Ginnie Mae MX Certificate, as outlined below:
  - MX Class QI from 2019-085
  - MX Class IA from 2020-076
  - REMIC Class IT from 2021-029, further backed by:
    - MX Class QC from 2018-160



**\$3,658,157,944**

**Government National  
Mortgage Association**

**GINNIE MAE<sup>®</sup>**

**Guaranteed REMIC  
Pass-Through Securities  
and MX Securities  
Ginnie Mae REMIC Trust 2024-097**

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***OFFERING CIRCULAR SUPPLEMENT***  
**June 24, 2024**

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