

\$4,005,872,631
Government National Mortgage Association
GINNIE MAE®
Guaranteed REMIC Pass-Through Securities
and MX Securities
Ginnie Mae REMIC Trust 2020-146

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-13 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 October 30, 2020.

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)
Security Group 1						
GF	\$ 48,646,734	(5)	SC/PT	FLT	38382KUX9	October 2049
GI	48,646,734	(5)	NLT(SC/PT)	INV/IO	38382KUY7	October 2049
Security Group 2						
AB	20,000,000	1.000%	PT	FIX	38382KU24	October 2050
CZ	3,581,005	2.500	SUP	FIX/Z	38382KVA8	October 2050
FC	26,500,000	(5)	PT	FLT	38382KVB6	October 2050
IO	24,494,666	3.500	NLT(PT)	FIX/IO	38382KVC4	October 2050
PC	45,000,000	1.000	PAC/AD	FIX	38382KVD2	September 2050
PI	19,285,714	3.500	NLT(PAC/AD)	FIX/IO	38382KVE0	September 2050
PL	400,327	2.500	PAC/AD	FIX	38382KVF7	October 2050
SC	26,500,000	(5)	NLT(PT)	INV/IO	38382KVG5	October 2050
Security Group 3						
BC	40,000,000	1.000	PT	FIX	38382KVH3	October 2050
FE	40,000,000	(5)	PT	FLT	38382KVJ9	October 2050
SE	40,000,000	(5)	NLT(PT)	INV/IO	38382KVK6	October 2050
Security Group 4						
IA	75,929,012	3.500	NLT(PT)	FIX/IO	38382KVL4	November 2041
IB	27,293,726	3.500	NLT(PT)	FIX/IO	38382KVM2	August 2043
IC	12,036,413	4.000	NLT(PT)	FIX/IO	38382KVN0	January 2045
ID	55,279,189	5.000	NLT(SC/PT)	FIX/IO	38382KVP5	October 2046
IE	42,249,024	6.500	NLT(SC/PT)	FIX/IO	38382KVQ3	March 2049
IG	31,599,399	5.500	NLT(SC/PT)	FIX/IO	38382KVR1	September 2046
IH	2,461,443	4.500	NLT(SC/PT)	FIX/IO	38382KVS9	February 2041
MA	350,645,218	0.875	SC/PT	FIX	38382KVT7	September 2050
Security Group 5						
CB	25,000,000	1.250	PT	FIX	38382KVU4	October 2050
FH	81,818,181	(5)	PT	FLT	38382KVV2	October 2050
HA	418,181,819	1.000	PT	FIX	38382KVW0	October 2050
KI	132,500,001	2.500	NLT(PT)	FIX/IO	38382KVX8	October 2050
SH	81,818,181	(5)	NLT(PT)	INV/IO	38382KVV6	October 2050
Security Group 6						
CI(1)	72,710,118	2.500	NLT(PT)	FIX/IO	38382KVZ3	October 2050
DA	409,000,000	1.000	PT	FIX	38382KWA7	October 2050
DI	110,983,236	2.500	NLT(PT)	FIX/IO	38382KWB5	October 2050
EI(1)	61,706,645	2.500	NLT(PT)	FIX/IO	38382KWC3	October 2050
Security Group 7						
HI	22,351,228	2.500	NLT(PT)	FIX/IO	38382KWD1	October 2050
JI	37,648,771	2.500	NLT(PT)	FIX/IO	38382KWE9	October 2050
YK	100,000,000	1.000	PT	FIX	38382KWF6	October 2050
Security Group 8						
CA	148,920,281	1.000	PT	FIX	38382KWG4	October 2050
FD	85,097,302	(5)	PT	FLT	38382KWH2	October 2050
SA	46,301,258	(5)	NLT(PT)	INV/IO	38382KWI8	October 2050
SB	38,796,044	(5)	NLT(PT)	INV/IO	38382KWK5	October 2050
Security Group 9						
NA	100,000,000	1.250	PT	FIX	38382KWL3	October 2050
NI	37,500,000	2.000	NLT(PT)	FIX/IO	38382KWM1	October 2050

(Cover continued on next page)

J.P. Morgan

Mischler Financial Group, Inc.

The date of this Offering Circular Supplement is October 26, 2020.

Class of REMIC Securities	Original Principal Balance(2)	Interest Rate	Principal Type(3)	Interest Type(3)	CUSIP Number	Final Distribution Date(4)
Security Group 10						
IK(1)	\$ 27,282,148	2.500%	NTL(PT)	FIX/IO	38382KWN9	October 2050
IM	43,835,387	2.500	NTL(PT)	FIX/IO	38382KWP4	October 2050
IN(1)	18,882,464	2.500	NTL(PT)	FIX/IO	38382KWQ2	October 2050
NB	150,000,000	1.000	PT	FIX	38382KWR0	October 2050
Security Group 11						
GA	188,000,000	1.000	PT	FIX	38382KWS8	October 2050
IJ	112,800,000	2.500	NTL(PT)	FIX/IO	38382KWT6	October 2050
Security Group 12						
LA	209,000,000	1.000	PT	FIX	38382KWU3	October 2050
LI	104,500,000	2.000	NTL(PT)	FIX/IO	38382KWV1	October 2050
Security Group 13						
MB	111,776,339	2.375	PT	FIX	38382KWW9	October 2050
MI	23,286,737	3.000	NTL(PT)	FIX/IO	38382KWX7	October 2050
Security Group 14						
IQ	243,750,000	2.000	NTL(PT)	FIX/IO	38382KWY5	October 2050
QC	650,000,000	1.250	PT	FIX	38382KWZ2	October 2050
Security Group 15						
IT	8,025,458	3.000	NTL(PT)	FIX/IO	38382KXA6	October 2050
TA	44,305,425	1.000	PT	FIX	38382KXB4	October 2050
TI	21,511,491	3.000	NTL(PT)	FIX/IO	38382KXC2	October 2050
Security Group 16						
E(1)	300,000,000	2.000	PT	FIX	38382KXD0	October 2050
Security Group 17						
H(1)	410,000,000	2.500	PT	FIX	38382KXE8	October 2050
Residuals						
RR	0	0.000	NPR	NPR	38382KXF5	October 2050
R16	0	0.000	NPR	NPR	38382KXG3	October 2050
R17	0	0.000	NPR	NPR	38382KXH1	October 2050

- (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 1 and 4 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: J.P. Morgan Securities LLC

Co-Sponsor: Mischler Financial Group, Inc.

Trustee: U.S. Bank National Association

Tax Administrator: The Trustee

Closing Date: October 30, 2020

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 November 2020.

Trust Assets:

<u>Trust Asset Group or Subgroup⁽²⁾</u>	<u>Trust Asset Type</u>	<u>Certificate Rate</u>	<u>Original Term To Maturity (in years)</u>
1	Underlying Certificate	(1)	(1)
2	Ginnie Mae II	3.50%	30
3	Ginnie Mae II	2.50%	30
4A	Ginnie Mae II	3.50%	30
4B	Ginnie Mae I	3.50%	30
4C	Ginnie Mae II	3.50%	30
4D	Ginnie Mae II	5.00%	30
4E	Ginnie Mae I	5.00%	30 ⁽³⁾
4F	Ginnie Mae II	4.00%	30
4G	Ginnie Mae I	4.00%	30
4H	Ginnie Mae II	5.50%	30
4I	Ginnie Mae I	5.50%	30 ⁽⁴⁾
4J	Ginnie Mae II	6.00%	30
4K	Ginnie Mae I	6.00%	30 ⁽⁵⁾
4L	Ginnie Mae II	6.50%	30
4M	Ginnie Mae I	6.50%	30
4N	Ginnie Mae II	7.00%	30
4O	Ginnie Mae I	7.00%	30
4P	Ginnie Mae I	7.50%	30
4Q	Ginnie Mae II	7.50%	30
4R	Ginnie Mae I	8.00%	30
4S	Ginnie Mae II	5.48%	30
4T	Underlying Certificate	(1)	(1)
4U	Underlying Certificate	(1)	(1)
4V	Underlying Certificate	(1)	(1)

<u>Trust Asset Group or Subgroup⁽²⁾</u>	<u>Trust Asset Type</u>	<u>Certificate Rate</u>	<u>Original Term To Maturity (in years)</u>
4W	Underlying Certificate	(1)	(1)
4X	Underlying Certificate	(1)	(1)
4Y	Underlying Certificate	(1)	(1)
4Z	Underlying Certificates	(1)	(1)
4AA	Underlying Certificates	(1)	(1)
4BB	Underlying Certificate	(1)	(1)
5	Ginnie Mae II	2.50%	30
6A	Ginnie Mae II	2.50%	30
6B	Ginnie Mae II	2.50%	30
6C	Ginnie Mae II	2.50%	30
7A	Ginnie Mae II	2.50%	30
7B	Ginnie Mae II	2.50%	30
8A	Ginnie Mae II	3.00%	30
8B	Ginnie Mae II	3.00%	30
9	Ginnie Mae II	2.00%	30
10A	Ginnie Mae II	2.50%	30
10B	Ginnie Mae II	2.50%	30
10C	Ginnie Mae II	2.50%	30
11	Ginnie Mae II	2.50%	30
12	Ginnie Mae II	2.00%	30
13	Ginnie Mae II	3.00%	30
14	Ginnie Mae II	2.00%	30
15A	Ginnie Mae II	3.00%	30
15B	Ginnie Mae II	3.00%	30
16	Ginnie Mae II	2.00%	30
17	Ginnie Mae II	2.50%	30

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

(2) The Group 4, 6, 7, 8, 10 and 15 Trust Assets consist of the enumerated subgroups (each, a “Subgroup”).

(3) Up to 0.35% of the Subgroup 4E Trust Assets may consist of Mortgage Loans having an Original Term to Maturity of 20 years.

(4) Up to 0.89% of the Subgroup 4I Trust Assets may consist of Mortgage Loans having an Original Term to Maturity of 20 years.

(5) Up to 5.29% of the Subgroup 4K Trust Assets may consist of Mortgage Loans having an Original Term to Maturity of 20 years.

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 6 and 10, 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 2, 3 and 5 through 17 Trust Assets⁽¹⁾:

<u>Principal Balance</u>	<u>Weighted Average Remaining Term to Maturity (in months)</u>	<u>Weighted Average Loan Age (in months)</u>	<u>Weighted Average Mortgage Rate⁽²⁾</u>
Group 2 Trust Assets			
\$ 41,991,056	356	1	3.859%
53,490,276	355	3	3.863%
<u>\$ 95,481,332</u>			
Group 3 Trust Assets			
\$ 80,000,000	359	1	2.910%
Group 5 Trust Assets			
\$525,000,000	359	1	2.936%
Subgroup 6A Trust Assets			
\$121,183,531	351	1	2.905%
Subgroup 6B Trust Assets			
\$184,972,060	358	1	2.904%
Subgroup 6C Trust Assets			
\$102,844,409	359	1	2.879%
Subgroup 7A Trust Assets			
\$ 37,252,048	358	0	2.961%
Subgroup 7B Trust Assets			
\$ 62,747,952	359	1	3.075%
Subgroup 8A Trust Assets			
\$127,328,461	357	1	3.440%
Subgroup 8B Trust Assets			
\$106,689,122	358	1	3.392%
Group 9 Trust Assets			
\$100,000,000 ⁽³⁾	359	0	2.457%
Subgroup 10A Trust Assets			
\$ 31,470,774	357	0	2.918%
Subgroup 10B Trust Assets			
\$ 73,058,979	358	0	2.915%
Subgroup 10C Trust Assets			
\$ 45,470,247	360	0	2.911%
Group 11 Trust Assets			
\$188,000,000	359	1	2.905%
Group 12 Trust Assets			
\$209,000,000	359	1	2.487%
Group 13 Trust Assets			
\$111,776,339	359	1	3.435%
Group 14 Trust Assets			
\$650,000,000	359	0	2.465%

<u>Principal Balance</u>	<u>Weighted Average Remaining Term to Maturity (in months)</u>	<u>Weighted Average Loan Age (in months)</u>	<u>Weighted Average Mortgage Rate⁽²⁾</u>
Subgroup 15A Trust Assets			
\$ 32,267,237	357	3	3.434%
Subgroup 15B Trust Assets			
\$ 12,038,188	356	4	3.356%
Group 16 Trust Assets			
\$300,000,000	359	0	2.480%
Group 17 Trust Assets			
\$410,000,000	359	0	2.900%

⁽¹⁾ As of October 1, 2020.

⁽²⁾ The Mortgage Loans underlying the Group 2, 3 and 5 through 17 Trust Assets may bear interest at rates ranging from 0.25% to 1.50% per annum above the related Certificate Rate.

⁽³⁾ More than 10% of the Mortgage Loans underlying the Group 9 Trust Assets may be higher balance Mortgage Loans. See “Risk Factors” in this Supplement.

The actual remaining terms to maturity, loan ages and Mortgage Rates of many of the Mortgage Loans underlying the Group 2, 3 and 5 through 17 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 Mortgage Loans Underlying the Subgroup 4A through 4S Trust Assets: See Exhibit B to this Supplement for certain information regarding the characteristics of the Mortgage Loans underlying the Subgroup 4A through 4S Trust Assets.

The actual remaining terms to maturity, loan ages and, in the case of the Subgroup 4A, 4C, 4D, 4F, 4H, 4J, 4L, 4N, 4Q and 4S Trust Assets, Mortgage Rates of many of the Mortgage Loans underlying the Subgroup 4A through 4S Trust Assets will differ from the weighted averages shown in Exhibit B, perhaps significantly. See “The Trust Assets—The Mortgage Loans” in this Supplement.

Characteristics of the Group 1 and Subgroup 4T through 4BB Trust Assets: See Exhibit A to this Supplement for certain information regarding the characteristics of the related Underlying Certificates.

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

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

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

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

The Floating Rate and Inverse Floating Rate Classes will bear interest at per annum rates based on one-month LIBOR (hereinafter referred to as “LIBOR”) as follows:

<u>Class</u>	<u>Interest Rate Formula(1)</u>	<u>Initial Interest Rate(2)</u>	<u>Minimum Rate</u>	<u>Maximum Rate</u>	<u>Delay (in days)</u>	<u>LIBOR for Minimum Interest Rate</u>
Security Group 1						
GF	LIBOR + 0.25%	0.40138%	0.25%	4.00%	0	0.00%
GI	3.75% – LIBOR	0.30000%	0.00%	0.30%	0	3.75%
Security Group 2						
FC	LIBOR + 0.30%	0.44600%	0.30%	4.00%	0	0.00%
SC	3.70% – LIBOR	3.55400%	0.00%	3.70%	0	3.70%
Security Group 3						
FE	LIBOR + 0.25%	0.39000%	0.25%	4.00%	0	0.00%
SE	3.75% – LIBOR	3.61000%	0.00%	3.75%	0	3.75%
Security Group 5						
FH	LIBOR + 0.20%	0.34000%	0.20%	6.50%	0	0.00%
SH	6.30% – LIBOR	6.16000%	0.00%	6.30%	0	6.30%
Security Group 8						
FD	LIBOR + 0.20%	0.34000%	0.20%	6.50%	0	0.00%
SA	6.30% – LIBOR	6.16000%	0.00%	6.30%	0	6.30%
SB	6.30% – LIBOR	6.16000%	0.00%	6.30%	0	6.30%

- (1) LIBOR 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 to GF, until retired

SECURITY GROUP 2

The Group 2 Principal Distribution Amount and the Accrual Amount will be allocated as follows:

- The Accrual Amount in the following order of priority:
 1. Sequentially, to PC and PL, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
 2. To CZ, until retired
- The Group 2 Principal Distribution Amount, concurrently, as follows:
 1. 48.7006193001%, concurrently, to AB and FC, pro rata, until retired

2. 51.2993806999% in the following order of priority:

- a. Sequentially, to PC and PL, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
- b. To CZ, until retired
- c. Sequentially, to PC and PL, in that order, without regard to their Aggregate Scheduled Principal Balance, until retired

SECURITY GROUP 3

The Group 3 Principal Distribution Amount will be allocated, concurrently, to BC and FE, pro rata, until retired

SECURITY GROUP 4

The Group 4 Principal Distribution Amount will be allocated to MA, until retired

SECURITY GROUP 5

The Group 5 Principal Distribution Amount will be allocated, concurrently, to CB, FH and HA, pro rata, until retired

SECURITY GROUP 6

The Group 6 Principal Distribution Amount will be allocated to DA, until retired

SECURITY GROUP 7

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

SECURITY GROUP 8

The Subgroup 8A Principal Distribution Amount and the Subgroup 8B Principal Distribution Amount will be allocated as follows:

- 36.3636359353% of the Subgroup 8A Principal Distribution Amount and 36.3636360228% of the Subgroup 8B Principal Distribution Amount to FD, until retired
- The remainder of the Subgroup 8A Principal Distribution Amount and the remainder of the Subgroup 8B Principal Distribution Amount to CA, until retired

SECURITY GROUP 9

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

SECURITY GROUP 10

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

SECURITY GROUP 11

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

SECURITY GROUP 12

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

SECURITY GROUP 13

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

SECURITY GROUP 14

The Group 14 Principal Distribution Amount will be allocated to QC, until retired

SECURITY GROUP 15

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

SECURITY GROUP 16

The Group 16 Principal Distribution Amount will be allocated to E, until retired

SECURITY GROUP 17

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

Scheduled Principal Balances: The 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 Range:

<u>Security Group</u>	<u>Structuring Range</u>
PAC Classes	
2 PC and PL (in the aggregate)	320% PSA through 400% PSA

Accrual Class: Interest will accrue on the 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 Class as interest. Interest so accrued on the Accrual Class on each Distribution Date will constitute the 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 balance of the related Trust Asset Group, Subgroup or Subgroups indicated:

<u>Class</u>	<u>Original Class Notional Balance</u>	<u>Represents Approximately</u>
Security Group 1		
GI	\$ 48,646,734	100% of GF (SC/PT Class)
Security Group 2		
IO	\$ 24,494,666	25.6538799498% of the Group 2 Trust Assets
PI	19,285,714	42.8571428571% of PC (PAC/AD Class)
SC	26,500,000	100% of FC (PT Class)
Security Group 3		
SE	\$ 40,000,000	100% of FE (PT Class)
Security Group 4		
IA	\$ 75,929,012	75% of the Subgroup 4A Trust Assets
IB	\$ 14,992,833	75% of the Subgroup 4B Trust Assets
	12,300,893	75% of the Subgroup 4C Trust Assets
	<u>\$ 27,293,726</u>	
IC	\$ 9,252,956	78.125% of the Subgroup 4F Trust Assets
	2,783,457	78.125% of the Subgroup 4G Trust Assets
	<u>\$ 12,036,413</u>	
ID	\$ 31,297,249	82.5% of the Subgroup 4D Trust Assets
	17,253,892	82.5% of the Subgroup 4E Trust Assets
	5,325,214	42.5% of the Subgroup 4V Trust Assets
	1,402,834	77.5% of the Subgroup 4W Trust Assets
	<u>\$ 55,279,189</u>	
IE	\$ 12,856,905	78.8461538462% of the Subgroup 4J Trust Assets
	1,143,591	78.8461538462% of the Subgroup 4K Trust Assets
	15,221,175	86.5384615385% of the Subgroup 4L Trust Assets
	1,946,209	86.5384615385% of the Subgroup 4M Trust Assets
	4,780,563	94.2307692308% of the Subgroup 4N Trust Assets
	1,835,345	94.2307692308% of the Subgroup 4O Trust Assets
	1,005,648	101.9230769231% of the Subgroup 4P Trust Assets
	104,108	101.9230769231% of the Subgroup 4Q Trust Assets
	606,950	109.6153846154% of the Subgroup 4R Trust Assets
	2,748,530	78.8461538462% of the Subgroup 4AA Trust Assets
	<u>\$ 42,249,024</u>	
IG	\$ 20,900,744	84.0909090909% of the Subgroup 4H and Subgroup 4I Trust Assets (in the aggregate)
	318,760	83.7272727273% of the Subgroup 4S Trust Assets
	45,148	15.9090909091% of the Subgroup 4X Trust Assets
	20,258	61.3636363636% of the Subgroup 4Y Trust Assets
	10,314,489	84.0909090909% of the Subgroup 4Z Trust Assets
	<u>\$ 31,599,399</u>	
IH	\$ 679,825	47.2222222222% of the Subgroup 4T Trust Assets
	1,781,618	75% of the Subgroup 4U Trust Assets
	<u>\$ 2,461,443</u>	

<u>Class</u>	<u>Original Class Notional Balance</u>	<u>Represents Approximately</u>
Security Group 5		
KI	\$132,500,001	25.238095581% of the Group 5 Trust Assets
SH	81,818,181	100% of FH (PT Class)
Security Group 6		
CI	\$ 72,710,118	60% of the Subgroup 6A Trust Assets
DI	110,983,236	60% of the Subgroup 6B Trust Assets
EI	61,706,645	60% of the Subgroup 6C Trust Assets
Security Group 7		
HI	\$ 22,351,228	60% of the Subgroup 7A Trust Assets
JL	37,648,771	60% of the Subgroup 7B Trust Assets
Security Group 8		
SA	\$ 46,301,258	36.3636359353% of the Subgroup 8A Trust Assets
SB	38,796,044	36.3636360228% of the Subgroup 8B Trust Assets
Security Group 9		
NI	\$ 37,500,000	37.5% of NA (PT Class)
Security Group 10		
IK	\$ 27,282,148	60% of the Subgroup 10C Trust Assets
IM	43,835,387	60% of the Subgroup 10B Trust Assets
IN	18,882,464	60% of the Subgroup 10A Trust Assets
Security Groups 6 and 10		
BI	\$ 61,706,645	60% of the Subgroup 6C Trust Assets
	27,282,148	60% of the Subgroup 10C Trust Assets
	<u>\$ 88,988,793</u>	
IL	\$ 72,710,118	60% of the Subgroup 6A Trust Assets
	18,882,464	60% of the Subgroup 10A Trust Assets
	<u>\$ 91,592,582</u>	
Security Group 11		
IJ	\$112,800,000	60% of GA (PT Class)
Security Group 12		
LI	\$104,500,000	50% of LA (PT Class)
Security Group 13		
MI	\$ 23,286,737	20.8333333333% of MB (PT Class)
Security Group 14		
IQ	\$243,750,000	37.5% of QC (PT Class)
Security Group 15		
IT	\$ 8,025,458	66.6666666667% of the Subgroup 15B Trust Assets
TI	21,511,491	66.6666666667% of the Subgroup 15A Trust Assets
Security Group 16		
QI	\$187,500,000	62.5% of E (PT Class)
Security Group 17		
IW	\$287,000,000	70% of H (PT Class)

Tax Status: Double REMIC Series as to the Group 1 through 15 Trust Assets. Single REMIC Series as to the Group 16 Trust Assets (the “Group 16 REMIC”) and as to the Group 17 Trust Assets (the “Group 17 REMIC”). Separate REMIC elections will be made as to the Issuing REMIC and the Pooling REMIC with respect to the Group 1 through 15 Trust Assets (the “Group 1 through 15 Issuing REMIC” and the “Group 1 through 15 Pooling REMIC,” respectively), as to the Group 16 REMIC and as to the Group 17 REMIC. *See “Certain United States Federal Income Tax Consequences” in this Supplement and in the Base Offering Circular.*

Regular and Residual Classes: Classes RR, R16 and R17 are Residual Classes. Class RR represents the Residual Interest of the Group 1 through 15 Issuing and Pooling REMICs. Class R16 represents the Residual Interest of the Group 16 REMIC. Class R17 represents the Residual Interest of the Group 17 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 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 LIBOR will affect the yields on floating rate and inverse floating rate securities. If LIBOR 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 LIBOR will generally reduce the yield on floating rate securities; higher levels of LIBOR will generally reduce the yield on inverse floating rate securities. You should bear in mind that the timing of changes in the level of LIBOR may affect your yield: generally, the earlier a change, the greater

the effect on your yield. It is doubtful that LIBOR 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 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 support class.

The rate of payments on the underlying certificates will directly affect the rate of payments on the group 1 and 4 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 document, one of the underlying certificates included in trust asset subgroup 4Z is a class that provides support to an other class,

and it is entitled to receive principal distributions only if scheduled payments have been made on other specified classes of the related underlying series (or if specified classes have been retired). Accordingly, this underlying certificate may receive no principal distributions for extended periods of time or may receive principal payments that vary widely from period to period.

In addition, the principal entitlements of the underlying certificates included in trust asset subgroups 4T, 4U, 4W and 4Y on any payment date are calculated, directly or indirectly, on the basis of schedules; no assurance can be given that the underlying certificates will adhere to their schedules. Further, prepayments on the related mortgage loans may have occurred at rates faster or slower than those initially assumed.

The trust assets underlying certain of the underlying certificates included in trust asset subgroups 4T, 4X, 4Z and 4AA are also previously issued certificates that represent beneficial ownership interests in separate trusts. The rate of payments on the previously issued certificates backing these underlying certificates will directly affect the timing and rate of payments on the group 4 securities. You should read the related underlying certificate disclosure documents, including the risk factors contained therein, to understand the payments on and related risks of the previously issued certificates backing these underlying certificates.

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

Up to 10% of the mortgage loans underlying the group 1 through 8 and 10 through 17

trust assets and up to 100% of the mortgage loans underlying the group 9 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.

Changes to, the elimination of, and uncertainty with respect to, LIBOR could adversely affect your investment.

As discussed under “Description of the Securities — Interest Rate Indices — Determination of LIBOR — ICE LIBOR” in the base offering circular, the end of, or significant changes to, LIBOR may occur after 2021. There can be no prediction of whether or when LIBOR will cease to be available, whether LIBOR will represent the actual rates at which panel banks lend to one another or if one or more alternative reference rates will become a benchmark to replace LIBOR. If LIBOR ceases to be available or changes in a manner that causes regulators or market participants to question LIBOR’s continued viability as a benchmark, investors in financial instruments linked to LIBOR will likely experience disparate outcomes based on relevant contractual terms and related amendment provisions, market or product type, jurisdiction, and a host of other factors. There can be no assurance that legislative or regulatory actions will dictate what happens if LIBOR ceases to be available or is no longer representative or if such actions will provide a viable alternative or substitute rate for LIBOR. In addition, although the

Alternative Reference Rates Committee (“ARRC”) was created to identify best practices for market participants regarding alternative interest rates, there can be no assurance that broadly accepted industry practices will develop either before or after LIBOR ceases to be available or is no longer representative. It is uncertain what effect disparate outcomes, the availability or unavailability of LIBOR or alternative rates, divergent industry practices or any other reforms related to LIBOR that may be adopted in the U.S., U.K. or elsewhere will have on the performance, trading market or value of financial instruments, including securities with an interest rate based on LIBOR (“LIBOR classes”).

With respect to LIBOR classes, in the event of a benchmark transition event, Ginnie Mae will select a replacement interest rate, including index, methodology, spread or other related adjustment, in accordance with the ARRC Endorsed Terms, as described under “Description of the Securities — Interest Rate Indices — Determination of LIBOR” in the base offering circular. The ARRC Endorsed Terms, however, generally rely on actions to be taken by regulators or the ARRC, and there can be no assurance whether or when those actions will be taken. Further, there can be no assurance that those actions or related events will be sufficient to trigger a change from LIBOR to an alternative rate in all circumstances where LIBOR is no longer representative of market interest rates, or that benchmark transition events for LIBOR classes will align with similar events in the market generally or in other parts of the financial markets, such as the derivatives market.

The ARRC Endorsed Terms provide for various alternative benchmarks based on availability: the first two alternatives involve the secured overnight financing rate (“SOFR”) published by the Federal Reserve Bank of New York, and the last two alternatives are not currently specified. SOFR is a secured, risk-free, overnight rate that is calculated based on different criteria than LIBOR, which is an unsecured rate reflecting counterparty risk. See *“Description of the Securities — Interest Rate Indices — Determination of SOFR — General” in the base offering circular for more*

information about SOFR and the market for securities indexed to SOFR. Accordingly, SOFR and LIBOR may diverge, particularly in times of macroeconomic stress. The Federal Reserve Bank of New York began to publish SOFR in April 2018 and has published historical indicative SOFR and accompanying volumes from August 2014 to March 2018. The Federal Reserve Bank of New York also began to publish 30-, 90- and 180-day compounded averages of SOFR in March 2020. Investors should not rely on historical changes or trends in SOFR as indicative of future changes. Over the lives of LIBOR classes, SOFR may diverge from historical or indicative data.

Term SOFR, which is the first alternative benchmark specified in the ARRC Endorsed Terms, is a prospective term rate based on SOFR currently under development, and there can be no assurance that its development will be completed at any time either before or after the benchmark replacement date with respect to LIBOR. If term SOFR is unavailable as of the benchmark replacement date, as defined in the base offering circular under “Description of the Securities — Interest Rate Indices — Determination of LIBOR” in the base offering circular, the next alternative benchmark is compounded SOFR. As a benchmark replacement for LIBOR, compounded SOFR is a compounded average for which there are multiple methodologies that may also diverge from LIBOR.

If a benchmark replacement other than term SOFR is chosen because term SOFR is not initially available, term SOFR will become the benchmark replacement if it later becomes available, which could lead to further volatility in the interest rates on LIBOR classes. Moreover, a benchmark replacement adjustment will be applied to compensate for the foregoing effects of any benchmark replacement. However, no assurance can be provided that any benchmark replacement adjustment will be sufficient to produce the economic equivalent of the then-current benchmark, either at the benchmark replacement date or over the lives of LIBOR classes. Additionally, Ginnie Mae cannot anticipate how long it will take to develop the systems

and processes necessary to adopt a specific benchmark replacement, which may delay and contribute to uncertainty and volatility surrounding any benchmark transition for LIBOR classes.

Ginnie Mae will have sole discretion with respect to certain elements of the benchmark replacement process, including determining whether a benchmark transition event and its related benchmark replacement date have occurred, determining which benchmark replacement is available, determining the earliest practicable index determination date for using the benchmark replacement, selecting a benchmark replacement in the event term SOFR or compounded SOFR is unavailable, determining benchmark replacement adjustments (if not otherwise determined by applicable governing bodies or authorities) and making benchmark replacement conforming changes (including potential changes affecting the business day convention and index determination date). If Ginnie Mae, in its sole discretion, determines that an alternative rate is not administratively feasible, including as a result of technical, administrative or operational issues, then such alternative rate will be deemed not determinable as of such date. Ginnie Mae may determine an alternative not to be administratively feasible even if such alternative rate has been adopted by other market participants in similar products. Furthermore, if Ginnie Mae does not select an alternative rate on any date as a result of its determination that an alternative higher on the list of ARRC Endorsed Terms is not administratively feasible as of such date and such higher alternative subsequently becomes administratively feasible (as determined by Ginnie Mae in its sole discretion), then Ginnie Mae may elect to replace the previously selected alternative with such higher alternative. Any of the foregoing determinations will be at the sole discretion of Ginnie Mae and may adversely affect the return on LIBOR classes, the trading market for such classes and the value of such classes. None of the foregoing determinations, or the application thereof to payment calculations on LIBOR classes, will be subject to the approval of security holders.

Notwithstanding the foregoing, Ginnie Mae will select only an alternative rate as to which it and the trustee will receive an opinion of counsel that the selection of such alternative rate will not cause any related Trust REMIC to lose its classification as a REMIC for United States federal income tax purposes.

The securities may not be a suitable investment for you. The securities, especially the group 1 and 4 securities and, in particular, the support, interest only, accrual and residual classes, are not suitable investments for all investors.

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

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

The secondary markets for mortgage-related securities have experienced periods of illiquidity and can be expected to do so in the future. Illiquidity can have a severely adverse effect on the prices of classes that are especially sensitive to prepayment or interest rate risk or that have been structured to meet the investment requirements of limited categories of investors.

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

You are encouraged to consult advisors regarding the financial, legal, tax and other aspects of an

investment in the securities. You should not purchase the securities of any class unless you understand and are able to bear the prepayment, yield, liquidity and market risks associated with that class.

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

The yield and decrement tables in this supplement are based on assumed characteristics which

are likely to be different from the actual characteristics. As a result, the yields on your securities could be lower than you expected, even if the mortgage loans prepay at the constant prepayment rates set forth in the applicable table.

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

THE TRUST ASSETS

General

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

The Trust MBS (Groups 2, 3 and 5 through 17 and Subgroups 4A through 4S)

The Subgroup 4B, 4E, 4G, 4I, 4K, 4M, 4O, 4P and 4R Trust Assets are either:

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

Each Mortgage Loan underlying a Ginnie Mae I MBS Certificate bears interest at a Mortgage Rate 0.50% per annum greater than the related Certificate Rate. The difference between the Mortgage Rate and the Certificate Rate is used to pay the related servicers of the Mortgage Loans a monthly servicing fee and Ginnie Mae a fee for its guaranty of the Ginnie Mae I MBS Certificate of 0.44% per annum and 0.06% per annum, respectively, of the outstanding principal balance of the Mortgage Loan.

The Group 2, 3 and 5 through 17 and Subgroup 4A, 4C, 4D, 4F, 4H, 4J, 4L, 4N, 4Q and 4S Trust Assets 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 (Group 1 and Subgroups 4T through 4BB)

The Group 1 and Subgroup 4T through 4BB Trust Assets are Underlying Certificates that represent beneficial ownership interests in one or more separate trusts, the assets of which evidence direct or indirect beneficial ownership interests in certain Ginnie Mae Certificates. Each Underlying Certificate constitutes all or a portion of a class of a separate Series of certificates described in the related Underlying Certificate Disclosure Document. Each Underlying Certificate Disclosure Document may be obtained from the Information Agent as described under “Available Information” in this Supplement or on ginniemae.gov. Investors are cautioned that material changes in facts and circumstances may have occurred since the date of each Underlying Certificate Disclosure Document, including changes in prepayment rates, prevailing interest rates and other economic factors, which may limit the usefulness of, and be directly contrary to the assumptions used in preparing the information included in, the offering document. *See “Underlying Certificates” in the Base Offering Circular.*

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

The Mortgage Loans

The Mortgage Loans underlying the Group 2, 3 and 5 through 17 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 2, 3 and 5 through 17 Trust Assets” and the general characteristics described in the Base Offering Circular. The Mortgage Loans underlying the Subgroup 4A through 4S Trust Assets are expected to have, on a weighted average basis, the characteristics set forth in Exhibit B to this Supplement under “Characteristics of the Mortgage Loans Underlying the Subgroup 4A through 4S 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, in the case of the Group 2, 3 and 5 through 17 and Subgroup 4A, 4C, 4D, 4F, 4H, 4J, 4L, 4N, 4Q and 4S Trust Assets, Mortgage Rates of the Mortgage Loans underlying the Trust MBS. However, the actual remaining terms to maturity, loan ages and, in the case of the Group 2, 3 and 5 through 17 and Subgroup 4A, 4C, 4D, 4F, 4H, 4J, 4L, 4N, 4Q and 4S Trust Assets, Mortgage Rates of many of the Mortgage Loans will differ from the characteristics assumed, perhaps significantly. This will be the case even if the weighted average characteristics of the Mortgage Loans are the same as the assumed characteristics. Small differences in the characteristics of the Mortgage Loans can have a significant effect on the Weighted Average Lives and yields of the Securities. *See “Risk Factors” and “Yield, Maturity and Prepayment Considerations” in this Supplement.*

The Trustee Fee

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

GINNIE MAE GUARANTY

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

DESCRIPTION OF THE SECURITIES

General

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

Form of Securities

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

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

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

Distributions

Distributions on the Securities will be made on each Distribution Date as specified under “Terms Sheet — Distribution 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 the 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 the 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 LIBOR. The Trustee or its agent will determine LIBOR on the basis of the ICE LIBOR method, as described under “Description of the Securities — Interest Rate Indices — Determination of LIBOR” in the Base Offering Circular. In the case of the Group 1 Securities, the Trustee or its agent will use the same values of LIBOR as are used for the related Underlying Certificate.

We can provide no assurance that LIBOR for a Distribution Date accurately represents the offered rate at which one-month U.S. dollar deposits are being quoted to prime banks in the London interbank market, nor that the procedures for calculating LIBOR on the basis of the ICE LIBOR method for one-month U.S. dollar deposits will not change. Any change in LIBOR values resulting from any change in reporting or in the determination of LIBOR may cause LIBOR to fluctuate disproportionately to changes in other market lending rates. If LIBOR ceases to be available or is no longer representative, a replacement rate will be selected, as described under “Description of the Securities — Interest Rate Indices — Determination of LIBOR” in the Base Offering Circular.

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

Accrual Class

Class CZ is an Accrual Class. Interest will accrue on the Accrual Class and be distributed as described under "Terms Sheet — Accrual Class" in this Supplement.

Principal Distributions

The Principal Distribution Amount for each Group or Subgroup, as applicable, and the 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 Class RR Securities will represent the beneficial ownership of the Residual Interest in the Group 1 through 15 Issuing REMIC and the beneficial ownership of the Residual Interest in the Group 1 through 15 Pooling REMIC, as described in "Certain United States Federal Income Tax Consequences" in the Base Offering Circular. The Class R16 Securities and the Class R17 Securities will represent the beneficial ownership of the Residual Interest in the Group 16 REMIC and the Group 17 REMIC, respectively, as described in "Certain United States Federal Income Tax Consequences" in the Base Offering Circular. The Class RR, R16 and R17 Securities have no Class Principal Balance and do not accrue interest. The Class RR, R16 and R17 Securities will be entitled to receive the proceeds of the disposition of any assets remaining in the related Trust REMIC or Trust REMICs, as applicable, after the Class Principal Balance or Class Notional Balance of each Class of Regular Securities in the related Security Group or Groups 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 the 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 the Accrual Class) can calculate the amount of principal and interest to be distributed to that Class and investors in the Accrual Class can calculate the total amount of principal to be distributed to (or interest to be added to the Class Principal Balance of) that Class on the Distribution Date in the current month.
- Investors may obtain current Class Factors on ginniemae.gov.

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

Termination

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

For these purposes, the Trust REMICs and the Securities with corresponding numerical designations are related as follows:

<u>Trust REMICs</u>	<u>Related Securities</u>
Group 1 through 15 Issuing and Pooling REMICs	Group 1 through 15 Securities
Group 16 REMIC	Group 16 Securities
Group 17 REMIC	Group 17 Securities

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

With respect to each of Security Groups 16 and 17, a Holder of all of the outstanding Regular Securities of such Security Group and the related Class of Residual Securities will have the right to purchase

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

Modification and Exchange

All or a portion of the Classes of REMIC Securities specified on the front cover may be exchanged for a proportionate interest in the related MX Class or Classes shown on Schedule I to this Supplement. Similarly, all or a portion of the related MX Class or Classes may be exchanged for proportionate interests in the related Class or Classes of REMIC Securities and, in the case of Combinations 3 and 4, 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 3 and 4, 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 2020-146. 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 1 and 4 Securities are urged to review the discussion under “Risk Factors — *The rate of payments on the underlying certificates will directly affect the rate of payments on the group 1 and 4 securities*” in this Supplement.

Accretion Directed Classes

Classes PC and PL are Accretion Directed Classes. The Accrual Amount will be applied to making principal distributions on those Classes as described in this Supplement. Class PI is a Notional Class whose Class Notional Balance is determined by reference to the Class Principal Balance of the related Accretion Directed Class shown under “Terms Sheet — Notional Classes” 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 Accrual Amount, 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 Range for the PAC Classes is as follows:

<u>Security Group</u>	<u>Initial Effective Range</u>
PAC Classes	
2 PC and PL (in the aggregate)	320% PSA through 400% PSA

- The principal payment stability of the PAC Classes will be supported by the 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 Range. If the initial Effective Range were calculated using the actual characteristics of the related Mortgage Loans, the initial Effective Range could differ from that 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 2, 3 and 5 through 17 Trust Assets have the assumed characteristics shown under “Assumed Characteristics of the Mortgage Loans Underlying the Group 2, 3 and 5 through 17 Trust Assets” in the Terms Sheet and the Mortgage Loans underlying the Subgroup 4A through 4S Trust Assets have the characteristics shown under “Characteristics of the Mortgage Loans Underlying the Subgroup 4A through 4S Trust Assets” in Exhibit B, except in the case of information set forth under the 0% PSA Prepayment Assumption Rate, for which each Mortgage Loan underlying a Group 2, 3 or 5 through 17 Trust Asset is assumed to have an original and a remaining term to maturity of 360 months and 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 November 2020.

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

5. The Closing Date for the Securities is October 30, 2020.

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				
		Classes GF and GI				
Distribution Date		0%	350%	767%	1,200%	1,600%
Initial Percent	.....	100	100	100	100	100
October 2021	.....	98	84	68	50	33
October 2022	.....	96	66	36	14	2
October 2023	.....	94	51	19	4	0
October 2024	.....	92	39	10	1	0
October 2025	.....	90	30	5	0	0
October 2026	.....	88	23	3	0	0
October 2027	.....	86	18	1	0	0
October 2028	.....	83	14	1	0	0
October 2029	.....	81	11	0	0	0
October 2030	.....	78	8	0	0	0
October 2031	.....	75	6	0	0	0
October 2032	.....	73	5	0	0	0
October 2033	.....	70	4	0	0	0
October 2034	.....	66	3	0	0	0
October 2035	.....	63	2	0	0	0
October 2036	.....	60	2	0	0	0
October 2037	.....	56	1	0	0	0
October 2038	.....	52	1	0	0	0
October 2039	.....	49	1	0	0	0
October 2040	.....	44	0	0	0	0
October 2041	.....	40	0	0	0	0
October 2042	.....	36	0	0	0	0
October 2043	.....	31	0	0	0	0
October 2044	.....	26	0	0	0	0
October 2045	.....	21	0	0	0	0
October 2046	.....	16	0	0	0	0
October 2047	.....	11	0	0	0	0
October 2048	.....	5	0	0	0	0
October 2049	.....	0	0	0	0	0
Weighted Average						
Life (years)	.....	17.3	4.2	1.9	1.2	0.8

		Security Group 2 PSA Prepayment Assumption Rates														
		Classes AB, FC, IO and SC					Class CZ					Classes PC and PI				
Distribution Date		0%	320%	370%	400%	800%	0%	320%	370%	400%	800%	0%	320%	370%	400%	800%
Initial Percent	.....	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
October 2021	.....	99	93	92	91	84	103	103	91	84	0	98	92	92	92	91
October 2022	.....	97	79	76	75	55	105	105	70	49	0	96	77	77	77	59
October 2023	.....	95	63	58	56	29	108	108	49	16	0	94	59	59	59	30
October 2024	.....	94	50	44	42	15	111	111	41	2	0	92	44	44	44	15
October 2025	.....	92	39	34	31	7	113	112	40	0	0	90	33	33	33	7
October 2026	.....	90	31	26	23	4	116	108	38	0	0	88	24	24	24	3
October 2027	.....	88	24	19	17	2	119	100	34	0	0	85	18	18	18	1
October 2028	.....	86	19	15	12	1	122	89	30	0	0	83	13	13	13	0
October 2029	.....	84	15	11	9	0	125	78	25	0	0	80	9	9	9	0
October 2030	.....	81	12	8	7	0	128	67	21	0	0	77	6	6	6	0
October 2031	.....	79	9	6	5	0	132	56	18	0	0	75	5	5	5	0
October 2032	.....	76	7	5	4	0	135	47	14	0	0	71	3	3	3	0
October 2033	.....	74	5	3	3	0	138	39	12	0	0	68	2	2	2	0
October 2034	.....	71	4	3	2	0	142	32	9	0	0	65	1	1	1	0
October 2035	.....	68	3	2	1	0	145	25	7	0	0	61	1	1	1	0
October 2036	.....	65	2	1	1	0	149	20	6	0	0	58	0	0	0	0
October 2037	.....	61	2	1	1	0	153	16	4	0	0	54	0	0	0	0
October 2038	.....	58	1	1	1	0	157	13	3	0	0	50	0	0	0	0
October 2039	.....	54	1	1	0	0	161	10	3	0	0	46	0	0	0	0
October 2040	.....	51	1	0	0	0	165	8	2	0	0	41	0	0	0	0
October 2041	.....	47	1	0	0	0	169	6	1	0	0	36	0	0	0	0
October 2042	.....	42	0	0	0	0	173	4	1	0	0	31	0	0	0	0
October 2043	.....	38	0	0	0	0	178	3	1	0	0	26	0	0	0	0
October 2044	.....	33	0	0	0	0	182	2	1	0	0	21	0	0	0	0
October 2045	.....	28	0	0	0	0	187	2	0	0	0	15	0	0	0	0
October 2046	.....	23	0	0	0	0	191	1	0	0	0	9	0	0	0	0
October 2047	.....	18	0	0	0	0	196	1	0	0	0	3	0	0	0	0
October 2048	.....	12	0	0	0	0	167	0	0	0	0	0	0	0	0	0
October 2049	.....	6	0	0	0	0	86	0	0	0	0	0	0	0	0	0
October 2050	.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average																
Life (years)	.....	18.6	5.1	4.6	4.3	2.5	28.8	12.0	5.7	2.0	0.6	16.7	4.4	4.4	4.4	2.6

Security Group 3 PSA Prepayment Assumption Rates					
Distribution Date	Classes BC, FE and SE				
	0%	250%	551%	900%	1,200%
Initial Percent	100	100	100	100	100
October 2021	98	94	90	84	80
October 2022	96	83	69	53	41
October 2023	94	69	46	25	12
October 2024	93	57	30	11	3
October 2025	90	48	19	5	1
October 2026	88	39	13	2	0
October 2027	86	32	8	1	0
October 2028	84	27	5	0	0
October 2029	81	22	3	0	0
October 2030	79	18	2	0	0
October 2031	76	15	1	0	0
October 2032	73	12	1	0	0
October 2033	71	10	1	0	0
October 2034	68	8	0	0	0
October 2035	65	6	0	0	0
October 2036	61	5	0	0	0
October 2037	58	4	0	0	0
October 2038	55	3	0	0	0
October 2039	51	3	0	0	0
October 2040	47	2	0	0	0
October 2041	43	2	0	0	0
October 2042	39	1	0	0	0
October 2043	35	1	0	0	0
October 2044	31	1	0	0	0
October 2045	26	0	0	0	0
October 2046	21	0	0	0	0
October 2047	16	0	0	0	0
October 2048	11	0	0	0	0
October 2049	6	0	0	0	0
October 2050	0	0	0	0	0
Weighted Average Life (years)	17.9	6.1	3.4	2.3	1.9

Security Group 4 PSA Prepayment Assumption Rates																				
Distribution Date	Class IA					Class IB					Class IC					Class ID				
	0%	100%	282%	450%	600%	0%	100%	282%	450%	600%	0%	100%	282%	450%	600%	0%	100%	282%	450%	600%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
October 2021	97	91	80	71	62	97	91	80	71	62	97	91	81	71	62	96	90	78	68	60
October 2022	93	82	64	50	38	94	83	65	50	38	94	83	65	50	38	92	80	62	48	37
October 2023	90	74	51	35	23	90	75	52	35	24	91	75	52	35	24	87	71	49	33	22
October 2024	86	67	41	24	14	87	68	41	25	15	87	68	42	25	15	82	64	39	23	14
October 2025	82	60	32	17	9	83	61	33	17	9	84	61	33	17	9	77	56	30	16	8
October 2026	78	54	26	12	5	79	55	26	12	5	80	55	26	12	5	72	50	24	11	5
October 2027	74	48	20	8	3	75	49	21	8	3	76	49	21	8	3	67	44	18	7	3
October 2028	69	42	16	6	2	71	43	16	6	2	72	44	16	6	2	62	38	14	5	2
October 2029	65	37	12	4	1	67	38	13	4	1	68	39	13	4	1	56	32	11	3	1
October 2030	60	32	9	3	1	63	34	10	3	1	63	34	10	3	1	50	27	8	2	1
October 2031	55	28	7	2	0	58	29	8	2	0	58	30	8	2	0	44	22	6	1	0
October 2032	50	24	5	1	0	53	25	6	1	0	54	26	6	1	0	38	18	4	1	0
October 2033	44	20	4	1	0	48	22	4	1	0	49	22	4	1	0	33	15	3	1	0
October 2034	39	16	3	0	0	43	18	3	1	0	43	18	3	1	0	28	12	2	0	0
October 2035	33	13	2	0	0	38	15	2	0	0	38	15	2	0	0	22	9	1	0	0
October 2036	27	10	1	0	0	32	12	2	0	0	32	12	2	0	0	17	6	1	0	0
October 2037	21	7	1	0	0	26	9	1	0	0	26	9	1	0	0	11	4	0	0	0
October 2038	14	5	1	0	0	20	7	1	0	0	19	6	1	0	0	6	2	0	0	0
October 2039	8	2	0	0	0	14	4	0	0	0	13	4	0	0	0	2	1	0	0	0
October 2040	1	0	0	0	0	7	2	0	0	0	7	2	0	0	0	0	0	0	0	0
October 2041	0	0	0	0	0	2	0	0	0	0	4	1	0	0	0	0	0	0	0	0
October 2042	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0
October 2043	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
October 2044	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
October 2045	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
October 2046	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
October 2047	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
October 2048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
October 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
October 2050	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	11.3	7.6	4.3	2.8	2.1	12.0	7.9	4.3	2.8	2.1	12.1	8.0	4.3	2.8	2.1	9.9	6.9	4.0	2.7	2.0

Security Group 4 PSA Prepayment Assumption Rates																				
Distribution Date	Class IE					Class IG					Class IH					Class MA				
	0%	100%	282%	450%	600%	0%	100%	282%	450%	600%	0%	100%	282%	450%	600%	0%	100%	282%	450%	600%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
October 2021	93	87	77	68	60	95	90	79	69	61	96	89	77	65	55	96	90	79	70	61
October 2022	86	76	59	46	35	90	80	62	48	37	92	79	58	41	28	92	81	63	49	37
October 2023	78	65	45	30	21	85	71	49	33	22	87	69	43	24	10	87	72	50	34	23
October 2024	70	55	33	20	12	79	62	38	22	13	82	60	30	11	7	82	64	39	23	14
October 2025	62	45	24	13	7	73	54	29	15	8	77	52	20	8	4	77	57	31	16	8
October 2026	53	37	17	8	4	67	46	22	10	4	72	44	12	6	3	72	50	24	11	5
October 2027	44	29	12	5	2	60	39	16	6	3	66	37	8	4	2	67	43	18	7	3
October 2028	37	23	8	3	1	52	32	12	4	1	60	30	7	3	1	62	38	14	5	2
October 2029	31	18	6	2	1	44	25	8	3	1	54	24	6	2	1	56	32	11	3	1
October 2030	25	14	4	1	0	36	20	6	2	0	48	18	4	1	0	51	27	8	2	1
October 2031	21	10	3	1	0	28	14	4	1	0	41	12	3	1	0	45	23	6	1	0
October 2032	16	8	2	0	0	19	9	2	0	0	34	9	2	0	0	40	19	4	1	0
October 2033	12	5	1	0	0	13	6	1	0	0	26	8	2	0	0	35	16	3	1	0
October 2034	8	3	1	0	0	8	4	1	0	0	18	7	1	0	0	30	12	2	0	0
October 2035	4	2	0	0	0	4	1	0	0	0	10	5	1	0	0	24	10	2	0	0
October 2036	3	1	0	0	0	1	0	0	0	0	8	3	0	0	0	20	7	1	0	0
October 2037	2	1	0	0	0	0	0	0	0	0	5	2	0	0	0	15	5	1	0	0
October 2038	1	0	0	0	0	0	0	0	0	0	2	1	0	0	0	10	3	0	0	0
October 2039	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	2	0	0	0
October 2040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0
October 2041	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
October 2042	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
October 2043	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
October 2044	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
October 2045	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
October 2046	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
October 2047	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
October 2048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
October 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
October 2050	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average																				
Life (years)	7.0	5.3	3.4	2.5	1.9	8.1	6.0	3.8	2.6	2.0	9.3	6.0	3.2	2.1	1.6	10.2	7.0	4.0	2.7	2.0

Security Group 5 PSA Prepayment Assumption Rates					
Distribution Date	Classes CB, FH, HA, KI and SH				
	0%	300%	603%	950%	1,300%
Initial Percent	100	100	100	100	100
October 2021	98	93	89	84	78
October 2022	96	81	66	51	37
October 2023	94	65	42	22	9
October 2024	93	52	26	9	2
October 2025	90	41	16	4	0
October 2026	88	33	10	2	0
October 2027	86	26	6	1	0
October 2028	84	21	4	0	0
October 2029	81	17	2	0	0
October 2030	79	13	1	0	0
October 2031	76	10	1	0	0
October 2032	73	8	1	0	0
October 2033	71	6	0	0	0
October 2034	68	5	0	0	0
October 2035	65	4	0	0	0
October 2036	61	3	0	0	0
October 2037	58	2	0	0	0
October 2038	55	2	0	0	0
October 2039	51	1	0	0	0
October 2040	47	1	0	0	0
October 2041	43	1	0	0	0
October 2042	39	1	0	0	0
October 2043	35	0	0	0	0
October 2044	31	0	0	0	0
October 2045	26	0	0	0	0
October 2046	21	0	0	0	0
October 2047	16	0	0	0	0
October 2048	11	0	0	0	0
October 2049	6	0	0	0	0
October 2050	0	0	0	0	0
Weighted Average					
Life (years)	17.9	5.4	3.2	2.2	1.8

Security Group 6 PSA Prepayment Assumption Rates																				
Distribution Date	Class CI					Class DA					Class DI					Class EI				
	0%	150%	345%	500%	700%	0%	150%	345%	500%	700%	0%	150%	345%	500%	700%	0%	150%	345%	500%	700%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
October 2021	98	96	93	90	87	98	96	93	90	87	98	96	93	90	87	98	96	93	90	87
October 2022	96	88	78	71	62	96	88	78	71	62	96	88	78	71	62	96	88	78	71	62
October 2023	94	78	61	49	36	94	78	61	49	36	94	78	61	49	36	94	78	61	49	36
October 2024	93	69	47	33	20	93	70	47	34	20	93	70	47	34	20	93	70	47	34	20
October 2025	90	61	36	23	11	90	62	36	23	11	90	62	37	23	11	90	62	37	23	11
October 2026	88	54	28	15	6	88	54	28	16	6	88	55	28	16	6	88	55	28	16	6
October 2027	86	48	22	11	4	86	48	22	11	4	86	48	22	11	4	86	48	22	11	4
October 2028	84	42	17	7	2	84	42	17	7	2	84	42	17	7	2	84	42	17	7	2
October 2029	81	37	13	5	1	81	37	13	5	1	81	37	13	5	1	81	37	13	5	1
October 2030	79	32	10	3	1	79	33	10	3	1	79	33	10	3	1	79	33	10	3	1
October 2031	76	28	7	2	0	76	29	7	2	0	76	29	7	2	0	76	29	7	2	0
October 2032	73	25	6	1	0	73	25	6	1	0	73	25	6	1	0	73	25	6	1	0
October 2033	71	21	4	1	0	71	22	4	1	0	71	22	4	1	0	71	22	4	1	0
October 2034	68	19	3	1	0	68	19	3	1	0	68	19	3	1	0	68	19	3	1	0
October 2035	65	16	2	0	0	65	16	2	0	0	65	16	2	0	0	65	16	2	0	0
October 2036	61	14	2	0	0	61	14	2	0	0	61	14	2	0	0	61	14	2	0	0
October 2037	58	12	1	0	0	58	12	1	0	0	58	12	1	0	0	58	12	1	0	0
October 2038	55	10	1	0	0	55	10	1	0	0	55	10	1	0	0	55	10	1	0	0
October 2039	51	8	1	0	0	51	9	1	0	0	51	9	1	0	0	51	9	1	0	0
October 2040	47	7	1	0	0	47	7	1	0	0	47	7	1	0	0	47	7	1	0	0
October 2041	43	6	0	0	0	43	6	0	0	0	43	6	0	0	0	43	6	0	0	0
October 2042	39	5	0	0	0	39	5	0	0	0	39	5	0	0	0	39	5	0	0	0
October 2043	35	4	0	0	0	35	4	0	0	0	35	4	0	0	0	35	4	0	0	0
October 2044	31	3	0	0	0	31	3	0	0	0	31	3	0	0	0	31	3	0	0	0
October 2045	26	2	0	0	0	26	2	0	0	0	26	2	0	0	0	26	2	0	0	0
October 2046	21	2	0	0	0	21	2	0	0	0	21	2	0	0	0	21	2	0	0	0
October 2047	16	1	0	0	0	16	1	0	0	0	16	1	0	0	0	16	1	0	0	0
October 2048	11	0	0	0	0	11	1	0	0	0	11	1	0	0	0	11	1	0	0	0
October 2049	6	0	0	0	0	6	0	0	0	0	6	0	0	0	0	6	0	0	0	0
October 2050	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average																				
Life (years)	17.9	8.4	4.8	3.7	2.8	17.9	8.5	4.9	3.7	2.8	17.9	8.5	4.9	3.7	2.8	17.9	8.5	4.9	3.7	2.8

Security Group 7 PSA Prepayment Assumption Rates															
Distribution Date	Class HI					Class JI					Class YK				
	0%	300%	603%	950%	1,300%	0%	300%	603%	950%	1,300%	0%	300%	603%	950%	1,300%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
October 2021	98	94	90	86	81	98	94	89	84	78	98	94	89	84	79
October 2022	96	82	68	54	40	96	81	66	51	37	96	81	67	52	38
October 2023	94	66	44	24	10	94	65	42	22	9	94	65	43	23	9
October 2024	93	53	27	10	2	93	52	26	9	2	93	52	27	10	2
October 2025	90	42	17	4	0	90	42	16	4	0	90	42	17	4	0
October 2026	88	34	10	2	0	88	33	10	2	0	88	33	10	2	0
October 2027	86	27	6	1	0	86	26	6	1	0	86	27	6	1	0
October 2028	84	21	4	0	0	84	21	4	0	0	84	21	4	0	0
October 2029	81	17	2	0	0	81	17	2	0	0	81	17	2	0	0
October 2030	79	13	2	0	0	79	13	1	0	0	79	13	1	0	0
October 2031	76	11	1	0	0	76	10	1	0	0	76	10	1	0	0
October 2032	73	8	1	0	0	73	8	1	0	0	73	8	1	0	0
October 2033	71	6	0	0	0	71	6	0	0	0	71	6	0	0	0
October 2034	68	5	0	0	0	68	5	0	0	0	68	5	0	0	0
October 2035	65	4	0	0	0	65	4	0	0	0	65	4	0	0	0
October 2036	61	3	0	0	0	61	3	0	0	0	61	3	0	0	0
October 2037	58	2	0	0	0	58	2	0	0	0	58	2	0	0	0
October 2038	55	2	0	0	0	55	2	0	0	0	55	2	0	0	0
October 2039	51	1	0	0	0	51	1	0	0	0	51	1	0	0	0
October 2040	47	1	0	0	0	47	1	0	0	0	47	1	0	0	0
October 2041	43	1	0	0	0	43	1	0	0	0	43	1	0	0	0
October 2042	39	1	0	0	0	39	1	0	0	0	39	1	0	0	0
October 2043	35	0	0	0	0	35	0	0	0	0	35	0	0	0	0
October 2044	31	0	0	0	0	31	0	0	0	0	31	0	0	0	0
October 2045	26	0	0	0	0	26	0	0	0	0	26	0	0	0	0
October 2046	21	0	0	0	0	21	0	0	0	0	21	0	0	0	0
October 2047	16	0	0	0	0	16	0	0	0	0	16	0	0	0	0
October 2048	11	0	0	0	0	11	0	0	0	0	11	0	0	0	0
October 2049	6	0	0	0	0	6	0	0	0	0	6	0	0	0	0
October 2050	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average															
Life (years)	17.9	5.5	3.2	2.3	1.8	17.9	5.4	3.2	2.2	1.8	17.9	5.4	3.2	2.3	1.8

Security Group 8 PSA Prepayment Assumption Rates																				
Distribution Date	Class CA					Class FD					Class SA					Class SB				
	0%	350%	733%	1,100%	1,500%	0%	350%	733%	1,100%	1,500%	0%	350%	733%	1,100%	1,500%	0%	350%	733%	1,100%	1,500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
October 2021	98	93	87	82	75	98	93	87	82	75	98	93	87	82	75	98	93	87	82	75
October 2022	97	78	61	45	30	97	78	61	45	30	97	78	61	45	30	97	78	61	45	30
October 2023	95	61	34	16	3	95	61	34	16	3	95	61	34	16	3	95	61	34	16	3
October 2024	93	47	19	5	0	93	47	19	5	0	93	47	19	5	0	93	47	19	5	0
October 2025	91	36	10	2	0	91	36	10	2	0	91	36	10	2	0	91	36	10	2	0
October 2026	89	28	6	1	0	89	28	6	1	0	89	28	6	1	0	89	28	6	1	0
October 2027	87	21	3	0	0	87	21	3	0	0	87	21	3	0	0	87	21	3	0	0
October 2028	85	16	2	0	0	85	16	2	0	0	85	16	2	0	0	85	16	2	0	0
October 2029	83	13	1	0	0	83	13	1	0	0	83	13	1	0	0	83	13	1	0	0
October 2030	80	10	0	0	0	80	10	0	0	0	80	10	0	0	0	80	10	0	0	0
October 2031	78	7	0	0	0	78	7	0	0	0	78	7	0	0	0	78	7	0	0	0
October 2032	75	6	0	0	0	75	6	0	0	0	75	6	0	0	0	75	6	0	0	0
October 2033	72	4	0	0	0	72	4	0	0	0	72	4	0	0	0	72	4	0	0	0
October 2034	69	3	0	0	0	69	3	0	0	0	69	3	0	0	0	69	3	0	0	0
October 2035	66	2	0	0	0	66	2	0	0	0	66	2	0	0	0	66	2	0	0	0
October 2036	63	2	0	0	0	63	2	0	0	0	63	2	0	0	0	63	2	0	0	0
October 2037	60	1	0	0	0	60	1	0	0	0	60	1	0	0	0	60	1	0	0	0
October 2038	56	1	0	0	0	56	1	0	0	0	56	1	0	0	0	56	1	0	0	0
October 2039	53	1	0	0	0	53	1	0	0	0	53	1	0	0	0	53	1	0	0	0
October 2040	49	1	0	0	0	49	1	0	0	0	49	1	0	0	0	49	1	0	0	0
October 2041	45	0	0	0	0	45	0	0	0	0	45	0	0	0	0	45	0	0	0	0
October 2042	41	0	0	0	0	41	0	0	0	0	41	0	0	0	0	41	0	0	0	0
October 2043	36	0	0	0	0	36	0	0	0	0	36	0	0	0	0	36	0	0	0	0
October 2044	32	0	0	0	0	32	0	0	0	0	32	0	0	0	0	32	0	0	0	0
October 2045	27	0	0	0	0	27	0	0	0	0	27	0	0	0	0	27	0	0	0	0
October 2046	22	0	0	0	0	22	0	0	0	0	22	0	0	0	0	22	0	0	0	0
October 2047	17	0	0	0	0	17	0	0	0	0	17	0	0	0	0	17	0	0	0	0
October 2048	12	0	0	0	0	12	0	0	0	0	12	0	0	0	0	12	0	0	0	0
October 2049	6	0	0	0	0	6	0	0	0	0	6	0	0	0	0	6	0	0	0	0
October 2050	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average																				
Life (years)	18.3	4.8	2.7	2.0	1.6	18.3	4.8	2.7	2.0	1.6	18.3	4.8	2.7	2.0	1.6	18.3	4.8	2.7	2.0	1.6

Security Group 9 PSA Prepayment Assumption Rates					
Distribution Date	Classes NA and NI				
	0%	200%	458%	750%	1,000%
Initial Percent	100	100	100	100	100
October 2021	98	95	92	88	85
October 2022	96	86	74	62	52
October 2023	94	74	53	34	21
October 2024	92	64	38	18	8
October 2025	90	54	27	10	3
October 2026	87	46	19	5	1
October 2027	85	40	13	3	0
October 2028	83	34	9	1	0
October 2029	80	29	6	1	0
October 2030	77	24	5	0	0
October 2031	75	20	3	0	0
October 2032	72	17	2	0	0
October 2033	69	15	2	0	0
October 2034	66	12	1	0	0
October 2035	63	10	1	0	0
October 2036	60	8	0	0	0
October 2037	56	7	0	0	0
October 2038	53	6	0	0	0
October 2039	49	5	0	0	0
October 2040	45	4	0	0	0
October 2041	42	3	0	0	0
October 2042	38	2	0	0	0
October 2043	33	2	0	0	0
October 2044	29	1	0	0	0
October 2045	25	1	0	0	0
October 2046	20	1	0	0	0
October 2047	15	0	0	0	0
October 2048	10	0	0	0	0
October 2049	5	0	0	0	0
October 2050	0	0	0	0	0
Weighted Average					
Life (years)	17.6	7.1	4.0	2.7	2.2

Security Group 10 PSA Prepayment Assumption Rates																				
Distribution Date	Class IK					Class IM					Class IN					Class NB				
	0%	150%	345%	500%	700%	0%	150%	345%	500%	700%	0%	150%	345%	500%	700%	0%	150%	345%	500%	700%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
October 2021	98	96	93	91	89	98	96	93	91	89	98	96	93	91	89	98	96	93	91	89
October 2022	96	89	80	73	64	96	89	80	73	64	96	89	80	73	64	96	89	80	73	64
October 2023	94	79	62	51	37	94	79	62	51	37	94	79	62	51	37	94	79	62	51	37
October 2024	93	70	48	35	21	93	70	48	35	21	93	70	48	35	21	93	70	48	35	21
October 2025	90	62	37	24	12	90	62	37	24	12	90	62	37	24	12	90	62	37	24	12
October 2026	88	55	29	16	7	88	55	29	16	7	88	55	29	16	7	88	55	29	16	7
October 2027	86	49	22	11	4	86	49	22	11	4	86	49	22	11	4	86	49	22	11	4
October 2028	84	43	17	7	2	84	43	17	7	2	84	43	17	7	2	84	43	17	7	2
October 2029	81	38	13	5	1	81	38	13	5	1	81	38	13	5	1	81	38	13	5	1
October 2030	79	33	10	3	1	79	33	10	3	1	79	33	10	3	1	79	33	10	3	1
October 2031	76	29	8	2	0	76	29	8	2	0	76	29	8	2	0	76	29	8	2	0
October 2032	73	25	6	2	0	73	25	6	2	0	73	25	6	2	0	73	25	6	2	0
October 2033	71	22	4	1	0	71	22	4	1	0	71	22	4	1	0	71	22	4	1	0
October 2034	68	19	3	1	0	68	19	3	1	0	68	19	3	1	0	68	19	3	1	0
October 2035	65	17	3	0	0	65	16	2	0	0	65	16	2	0	0	65	17	2	0	0
October 2036	61	14	2	0	0	61	14	2	0	0	61	14	2	0	0	61	14	2	0	0
October 2037	58	12	1	0	0	58	12	1	0	0	58	12	1	0	0	58	12	1	0	0
October 2038	55	10	1	0	0	55	10	1	0	0	55	10	1	0	0	55	10	1	0	0
October 2039	51	9	1	0	0	51	9	1	0	0	51	9	1	0	0	51	9	1	0	0
October 2040	47	7	1	0	0	47	7	1	0	0	47	7	1	0	0	47	7	1	0	0
October 2041	43	6	0	0	0	43	6	0	0	0	43	6	0	0	0	43	6	0	0	0
October 2042	39	5	0	0	0	39	5	0	0	0	39	5	0	0	0	39	5	0	0	0
October 2043	35	4	0	0	0	35	4	0	0	0	35	4	0	0	0	35	4	0	0	0
October 2044	31	3	0	0	0	31	3	0	0	0	31	3	0	0	0	31	3	0	0	0
October 2045	26	2	0	0	0	26	2	0	0	0	26	2	0	0	0	26	2	0	0	0
October 2046	21	2	0	0	0	21	2	0	0	0	21	2	0	0	0	21	2	0	0	0
October 2047	16	1	0	0	0	16	1	0	0	0	16	1	0	0	0	16	1	0	0	0
October 2048	11	1	0	0	0	11	1	0	0	0	11	1	0	0	0	11	1	0	0	0
October 2049	6	0	0	0	0	6	0	0	0	0	6	0	0	0	0	6	0	0	0	0
October 2050	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average																				
Life (years)	17.9	8.5	4.9	3.7	2.9	17.9	8.5	4.9	3.7	2.9	17.9	8.5	4.9	3.7	2.9	17.9	8.5	4.9	3.7	2.9

Security Groups 6 and 10 PSA Prepayment Assumption Rates										
Distribution Date	Class BI					Class II				
	0%	150%	345%	500%	700%	0%	150%	345%	500%	700%
Initial Percent	100	100	100	100	100	100	100	100	100	100
October 2021	98	96	93	91	88	98	96	93	91	88
October 2022	96	88	79	72	63	96	88	79	71	62
October 2023	94	79	62	50	36	94	78	61	49	36
October 2024	93	70	48	34	21	93	70	47	34	20
October 2025	90	62	37	23	12	90	62	37	23	12
October 2026	88	55	28	16	7	88	54	28	16	6
October 2027	86	48	22	11	4	86	48	22	11	4
October 2028	84	43	17	7	2	84	42	17	7	2
October 2029	81	37	13	5	1	81	37	13	5	1
October 2030	79	33	10	3	1	79	33	10	3	1
October 2031	76	29	7	2	0	76	28	7	2	0
October 2032	73	25	6	1	0	73	25	6	1	0
October 2033	71	22	4	1	0	71	22	4	1	0
October 2034	68	19	3	1	0	68	19	3	1	0
October 2035	65	16	2	0	0	65	16	2	0	0
October 2036	61	14	2	0	0	61	14	2	0	0
October 2037	58	12	1	0	0	58	12	1	0	0
October 2038	55	10	1	0	0	55	10	1	0	0
October 2039	51	9	1	0	0	51	8	1	0	0
October 2040	47	7	1	0	0	47	7	1	0	0
October 2041	43	6	0	0	0	43	6	0	0	0
October 2042	39	5	0	0	0	39	5	0	0	0
October 2043	35	4	0	0	0	35	4	0	0	0
October 2044	31	3	0	0	0	31	3	0	0	0
October 2045	26	2	0	0	0	26	2	0	0	0
October 2046	21	2	0	0	0	21	2	0	0	0
October 2047	16	1	0	0	0	16	1	0	0	0
October 2048	11	1	0	0	0	11	1	0	0	0
October 2049	6	0	0	0	0	6	0	0	0	0
October 2050	0	0	0	0	0	0	0	0	0	0
Weighted Average										
Life (years)	17.9	8.5	4.9	3.7	2.8	17.9	8.4	4.9	3.7	2.8

Security Group 11
PSA Prepayment Assumption Rates

Distribution Date	Classes GA and IJ				
	0%	300%	594%	900%	1,200%
Initial Percent	100	100	100	100	100
October 2021	98	93	89	84	80
October 2022	96	81	67	53	41
October 2023	94	65	43	25	12
October 2024	93	52	27	11	3
October 2025	90	41	17	5	1
October 2026	88	33	10	2	0
October 2027	86	26	7	1	0
October 2028	84	21	4	0	0
October 2029	81	17	3	0	0
October 2030	79	13	2	0	0
October 2031	76	10	1	0	0
October 2032	73	8	1	0	0
October 2033	71	6	0	0	0
October 2034	68	5	0	0	0
October 2035	65	4	0	0	0
October 2036	61	3	0	0	0
October 2037	58	2	0	0	0
October 2038	55	2	0	0	0
October 2039	51	1	0	0	0
October 2040	47	1	0	0	0
October 2041	43	1	0	0	0
October 2042	39	1	0	0	0
October 2043	35	0	0	0	0
October 2044	31	0	0	0	0
October 2045	26	0	0	0	0
October 2046	21	0	0	0	0
October 2047	16	0	0	0	0
October 2048	11	0	0	0	0
October 2049	6	0	0	0	0
October 2050	0	0	0	0	0
Weighted Average					
Life (years)	17.9	5.4	3.2	2.3	1.9

Security Group 12
PSA Prepayment Assumption Rates

Distribution Date	Classes LA and LI				
	0%	150%	329%	500%	700%
Initial Percent	100	100	100	100	100
October 2021	98	96	93	90	87
October 2022	96	88	79	71	62
October 2023	94	78	62	49	36
October 2024	92	69	49	33	20
October 2025	90	61	38	23	11
October 2026	87	54	30	15	6
October 2027	85	48	23	10	4
October 2028	83	42	18	7	2
October 2029	80	37	14	5	1
October 2030	77	32	11	3	1
October 2031	75	28	8	2	0
October 2032	72	25	6	1	0
October 2033	69	21	5	1	0
October 2034	66	19	4	1	0
October 2035	63	16	3	0	0
October 2036	60	14	2	0	0
October 2037	56	12	2	0	0
October 2038	53	10	1	0	0
October 2039	49	8	1	0	0
October 2040	45	7	1	0	0
October 2041	42	6	0	0	0
October 2042	38	5	0	0	0
October 2043	33	4	0	0	0
October 2044	29	3	0	0	0
October 2045	25	2	0	0	0
October 2046	20	2	0	0	0
October 2047	15	1	0	0	0
October 2048	10	1	0	0	0
October 2049	5	0	0	0	0
October 2050	0	0	0	0	0
Weighted Average					
Life (years)	17.6	8.4	5.0	3.6	2.8

Security Group 13 PSA Prepayment Assumption Rates					
Classes MB and MI					
Distribution Date	0%	350%	733%	1,100%	1,500%
Initial Percent	100	100	100	100	100
October 2021	98	93	87	82	75
October 2022	97	79	61	45	30
October 2023	95	61	34	16	3
October 2024	93	47	19	5	0
October 2025	91	36	10	2	0
October 2026	89	28	6	1	0
October 2027	87	22	3	0	0
October 2028	85	16	2	0	0
October 2029	83	13	1	0	0
October 2030	80	10	0	0	0
October 2031	78	7	0	0	0
October 2032	75	6	0	0	0
October 2033	72	4	0	0	0
October 2034	69	3	0	0	0
October 2035	66	2	0	0	0
October 2036	63	2	0	0	0
October 2037	60	1	0	0	0
October 2038	56	1	0	0	0
October 2039	53	1	0	0	0
October 2040	49	1	0	0	0
October 2041	45	0	0	0	0
October 2042	41	0	0	0	0
October 2043	36	0	0	0	0
October 2044	32	0	0	0	0
October 2045	27	0	0	0	0
October 2046	22	0	0	0	0
October 2047	17	0	0	0	0
October 2048	12	0	0	0	0
October 2049	6	0	0	0	0
October 2050	0	0	0	0	0
Weighted Average					
Life (years)	18.3	4.8	2.7	2.0	1.6

Security Group 14 PSA Prepayment Assumption Rates					
Classes IQ and QC					
Distribution Date	0%	150%	340%	500%	700%
Initial Percent	100	100	100	100	100
October 2021	98	96	93	91	89
October 2022	96	88	80	73	64
October 2023	94	79	62	50	37
October 2024	92	70	48	34	21
October 2025	90	62	37	23	12
October 2026	87	54	29	16	7
October 2027	85	48	22	11	4
October 2028	83	42	17	7	2
October 2029	80	37	13	5	1
October 2030	77	33	10	3	1
October 2031	75	28	8	2	0
October 2032	72	25	6	1	0
October 2033	69	22	4	1	0
October 2034	66	19	3	1	0
October 2035	63	16	3	0	0
October 2036	60	14	2	0	0
October 2037	56	12	1	0	0
October 2038	53	10	1	0	0
October 2039	49	8	1	0	0
October 2040	45	7	1	0	0
October 2041	42	6	0	0	0
October 2042	38	5	0	0	0
October 2043	33	4	0	0	0
October 2044	29	3	0	0	0
October 2045	25	2	0	0	0
October 2046	20	2	0	0	0
October 2047	15	1	0	0	0
October 2048	10	1	0	0	0
October 2049	5	0	0	0	0
October 2050	0	0	0	0	0
Weighted Average					
Life (years)	17.6	8.4	5.0	3.7	2.9

Security Group 15 PSA Prepayment Assumption Rates															
Distribution Date	Class IT					Class TA					Class TI				
	0%	350%	735%	1,100%	1,500%	0%	350%	735%	1,100%	1,500%	0%	350%	735%	1,100%	1,500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
October 2021	98	91	83	75	66	98	91	84	77	69	98	91	84	77	69
October 2022	97	75	54	37	20	97	76	56	39	22	97	76	56	39	23
October 2023	95	58	30	12	2	95	59	31	13	2	95	59	31	13	2
October 2024	93	45	16	4	0	93	45	17	4	0	93	45	17	4	0
October 2025	91	34	9	1	0	91	35	9	1	0	91	35	9	1	0
October 2026	89	26	5	0	0	89	27	5	0	0	89	27	5	0	0
October 2027	87	20	3	0	0	87	21	3	0	0	87	21	3	0	0
October 2028	85	16	1	0	0	85	16	1	0	0	85	16	1	0	0
October 2029	83	12	1	0	0	83	12	1	0	0	83	12	1	0	0
October 2030	80	9	0	0	0	80	9	0	0	0	80	9	0	0	0
October 2031	78	7	0	0	0	78	7	0	0	0	78	7	0	0	0
October 2032	75	5	0	0	0	75	5	0	0	0	75	5	0	0	0
October 2033	72	4	0	0	0	72	4	0	0	0	72	4	0	0	0
October 2034	69	3	0	0	0	69	3	0	0	0	69	3	0	0	0
October 2035	66	2	0	0	0	66	2	0	0	0	66	2	0	0	0
October 2036	63	2	0	0	0	63	2	0	0	0	63	2	0	0	0
October 2037	60	1	0	0	0	60	1	0	0	0	60	1	0	0	0
October 2038	56	1	0	0	0	56	1	0	0	0	56	1	0	0	0
October 2039	53	1	0	0	0	53	1	0	0	0	53	1	0	0	0
October 2040	49	0	0	0	0	49	1	0	0	0	49	1	0	0	0
October 2041	45	0	0	0	0	45	0	0	0	0	45	0	0	0	0
October 2042	41	0	0	0	0	41	0	0	0	0	41	0	0	0	0
October 2043	36	0	0	0	0	36	0	0	0	0	36	0	0	0	0
October 2044	32	0	0	0	0	32	0	0	0	0	32	0	0	0	0
October 2045	27	0	0	0	0	27	0	0	0	0	27	0	0	0	0
October 2046	22	0	0	0	0	22	0	0	0	0	22	0	0	0	0
October 2047	17	0	0	0	0	17	0	0	0	0	17	0	0	0	0
October 2048	12	0	0	0	0	12	0	0	0	0	12	0	0	0	0
October 2049	6	0	0	0	0	6	0	0	0	0	6	0	0	0	0
October 2050	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average															
Life (years)	18.3	4.6	2.5	1.8	1.4	18.3	4.7	2.6	1.9	1.4	18.3	4.7	2.6	1.9	1.5

Security Group 16 PSA Prepayment Assumption Rates					
Classes E, EA, EB, EC, ED, EG and QI					
Distribution Date	0%	150%	335%	500%	700%
Initial Percent	100	100	100	100	100
October 2021	98	96	93	91	89
October 2022	96	88	80	73	64
October 2023	94	79	63	50	37
October 2024	92	70	49	34	21
October 2025	90	62	38	23	12
October 2026	87	54	29	16	7
October 2027	85	48	23	11	4
October 2028	83	42	18	7	2
October 2029	80	37	14	5	1
October 2030	77	33	10	3	1
October 2031	75	28	8	2	0
October 2032	72	25	6	1	0
October 2033	69	22	5	1	0
October 2034	66	19	4	1	0
October 2035	63	16	3	0	0
October 2036	60	14	2	0	0
October 2037	56	12	2	0	0
October 2038	53	10	1	0	0
October 2039	49	8	1	0	0
October 2040	45	7	1	0	0
October 2041	42	6	0	0	0
October 2042	38	5	0	0	0
October 2043	33	4	0	0	0
October 2044	29	3	0	0	0
October 2045	25	2	0	0	0
October 2046	20	2	0	0	0
October 2047	15	1	0	0	0
October 2048	10	1	0	0	0
October 2049	5	0	0	0	0
October 2050	0	0	0	0	0
Weighted Average					
Life (years)	17.6	8.4	5.0	3.7	2.9

Security Group 17 PSA Prepayment Assumption Rates					
Classes AH, H, HB, HC, HD, HE, HG and IW					
Distribution Date	0%	300%	594%	900%	1,200%
Initial Percent . . .	100	100	100	100	100
October 2021 . . .	98	94	90	86	82
October 2022 . . .	96	82	69	56	44
October 2023 . . .	94	66	44	26	13
October 2024 . . .	93	53	28	12	4
October 2025 . . .	90	42	17	5	1
October 2026 . . .	88	34	11	2	0
October 2027 . . .	86	27	7	1	0
October 2028 . . .	84	21	4	0	0
October 2029 . . .	81	17	3	0	0
October 2030 . . .	79	13	2	0	0
October 2031 . . .	76	11	1	0	0
October 2032 . . .	73	8	1	0	0
October 2033 . . .	71	6	0	0	0
October 2034 . . .	68	5	0	0	0
October 2035 . . .	65	4	0	0	0
October 2036 . . .	61	3	0	0	0
October 2037 . . .	58	2	0	0	0
October 2038 . . .	55	2	0	0	0
October 2039 . . .	51	1	0	0	0
October 2040 . . .	47	1	0	0	0
October 2041 . . .	43	1	0	0	0
October 2042 . . .	39	1	0	0	0
October 2043 . . .	35	0	0	0	0
October 2044 . . .	31	0	0	0	0
October 2045 . . .	26	0	0	0	0
October 2046 . . .	21	0	0	0	0
October 2047 . . .	16	0	0	0	0
October 2048 . . .	11	0	0	0	0
October 2049 . . .	6	0	0	0	0
October 2050 . . .	0	0	0	0	0
Weighted Average Life (years) . . .	17.9	5.5	3.3	2.4	2.0

Yield Considerations

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

- the anticipated yield of that Class resulting from its purchase price,
- the investor's own projection of Mortgage Loan prepayment rates under a variety of scenarios,
- in the case of the Group 1 and 4 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 LIBOR under a variety of scenarios.

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

Prepayments: Effect on Yields

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

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

- In the case of Regular Securities or MX Securities purchased at a discount, slower than anticipated rates of principal payments could result in actual yields to investors that are lower than the anticipated yields.

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

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

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

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

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

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

LIBOR: Effect on Yields of the Floating Rate and Inverse Floating Rate Classes

Low levels of LIBOR can reduce the yield of the Floating Rate Classes. High levels of LIBOR can 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 LIBOR and Class GI may not benefit from particularly low levels of LIBOR 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 LIBOR.

The Mortgage Loans will not prepay at any constant rate until maturity, and it is unlikely that LIBOR will remain constant. Moreover, it is likely that the Mortgage Loans will experience actual prepayment rates that differ from those of the Modeling Assumptions. **Therefore, the actual pre-tax**

yield of any Class may differ from those shown in the applicable table below for that Class even if the Class is purchased at the assumed price shown.

The yields were calculated by

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

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

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

SECURITY GROUP 1

Sensitivity of Class GI to Prepayments Assumed Price 0.8125%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>350%</u>	<u>767%</u>	<u>1,200%</u>	<u>1,600%</u>
3.45% and below	14.5%	(16.5)%	(55.8)%	**
3.60%	(5.7)%	(36.1)%	(75.6)%	**
3.75% and above	**	**	**	**

SECURITY GROUP 2

Sensitivity of Class IO to Prepayments Assumed Price 12.625%*

<u>PSA Prepayment Assumption Rates</u>				
<u>320%</u>	<u>370%</u>	<u>400%</u>	<u>492%</u>	<u>800%</u>
9.5%	6.8%	5.1%	0.0%	(17.7)%

Sensitivity of Class PI to Prepayments Assumed Price 13.1875%*

<u>PSA Prepayment Assumption Rates</u>				
<u>320%</u>	<u>370%</u>	<u>400%</u>	<u>480%</u>	<u>800%</u>
4.3%	4.3%	4.3%	0.0%	(19.3)%

Sensitivity of Class SC to Prepayments Assumed Price 11.25%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>320%</u>	<u>370%</u>	<u>400%</u>	<u>800%</u>
0.100%	15.2%	12.5%	10.9%	(11.3)%
0.146%	14.7%	12.0%	10.4%	(11.8)%
1.923%	(4.3)%	(7.2)%	(9.0)%	(33.7)%
3.700% and above	**	**	**	**

SECURITY GROUP 3

Sensitivity of Class SE to Prepayments Assumed Price 15.53125%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>250%</u>	<u>551%</u>	<u>900%</u>	<u>1,200%</u>
0.100%	8.7%	(7.7)%	(27.9)%	(46.1)%
0.140%	8.4%	(8.1)%	(28.3)%	(46.5)%
1.945%	(5.7)%	(23.5)%	(46.1)%	(67.3)%
3.750% 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 IA to Prepayments Assumed Price 12.25%*

PSA Prepayment Assumption Rates				
<u>100%</u>	<u>282%</u>	<u>350%</u>	<u>450%</u>	<u>600%</u>
17.9%	5.1%	0.1%	(7.6)%	(19.6)%

Sensitivity of Class IB to Prepayments Assumed Price 14.75%*

PSA Prepayment Assumption Rates				
<u>100%</u>	<u>282%</u>	<u>287%</u>	<u>450%</u>	<u>600%</u>
13.0%	0.4%	0.0%	(12.0)%	(23.8)%

Sensitivity of Class IC to Prepayments Assumed Price 15.0%*

PSA Prepayment Assumption Rates				
<u>100%</u>	<u>282%</u>	<u>331%</u>	<u>450%</u>	<u>600%</u>
16.3%	3.6%	0.0%	(9.0)%	(21.0)%

Sensitivity of Class ID to Prepayments Assumed Price 17.25%*

PSA Prepayment Assumption Rates				
<u>100%</u>	<u>282%</u>	<u>334%</u>	<u>450%</u>	<u>600%</u>
16.8%	3.9%	0.1%	(8.7)%	(20.7)%

Sensitivity of Class IE to Prepayments Assumed Price 20.0%*

PSA Prepayment Assumption Rates				
<u>100%</u>	<u>282%</u>	<u>325%</u>	<u>450%</u>	<u>600%</u>
15.8%	3.1%	0.0%	(9.3)%	(21.2)%

Sensitivity of Class IG to Prepayments Assumed Price 19.25%*

PSA Prepayment Assumption Rates				
<u>100%</u>	<u>282%</u>	<u>307%</u>	<u>450%</u>	<u>600%</u>
14.6%	1.9%	0.1%	(10.7)%	(22.8)%

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

Sensitivity of Class IH to Prepayments
Assumed Price 6.75%*

PSA Prepayment Assumption Rates				
<u>100%</u>	<u>282%</u>	<u>450%</u>	<u>600%</u>	<u>607%</u>
57.8%	38.2%	18.6%	0.9%	0.0%

SECURITY GROUP 5

Sensitivity of Class KI to Prepayments
Assumed Price 8.84375%*

PSA Prepayment Assumption Rates				
<u>300%</u>	<u>513%</u>	<u>603%</u>	<u>950%</u>	<u>1,300%</u>
11.3%	0.0%	(4.9)%	(24.4)%	(44.9)%

Sensitivity of Class SH to Prepayments
Assumed Price 19.375%*

<u>LIBOR</u>	PSA Prepayment Assumption Rates			
	<u>300%</u>	<u>603%</u>	<u>950%</u>	<u>1,300%</u>
0.10%	16.4%	0.6%	(18.3)%	(38.0)%
0.14%	16.1%	0.3%	(18.6)%	(38.4)%
3.22%	(3.1)%	(20.7)%	(42.4)%	(65.9)%
6.30% and above	**	**	**	**

SECURITY GROUP 6

Sensitivity of Class CI to Prepayments
Assumed Price 12.0%*

PSA Prepayment Assumption Rates				
<u>150%</u>	<u>344%</u>	<u>345%</u>	<u>500%</u>	<u>700%</u>
10.4%	0.0%	0.0%	(8.7)%	(20.3)%

Sensitivity of Class DI to Prepayments
Assumed Price 11.0%*

PSA Prepayment Assumption Rates				
<u>150%</u>	<u>345%</u>	<u>387%</u>	<u>500%</u>	<u>700%</u>
12.7%	2.3%	0.0%	(6.2)%	(17.6)%

Sensitivity of Class EI to Prepayments
Assumed Price 10.625%*

PSA Prepayment Assumption Rates				
<u>150%</u>	<u>345%</u>	<u>405%</u>	<u>500%</u>	<u>700%</u>
13.6%	3.3%	0.0%	(5.2)%	(16.6)%

* 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 7

Sensitivity of Class HI to Prepayments Assumed Price 12.5625%*

PSA Prepayment Assumption Rates				
<u>300%</u>	<u>331%</u>	<u>603%</u>	<u>950%</u>	<u>1,300%</u>
1.7%	0.0%	(15.0)%	(35.3)%	(56.5)%

Sensitivity of Class JI to Prepayments Assumed Price 10.0%*

PSA Prepayment Assumption Rates				
<u>300%</u>	<u>439%</u>	<u>603%</u>	<u>950%</u>	<u>1,300%</u>
7.5%	0.0%	(9.0)%	(29.1)%	(50.2)%

SECURITY GROUP 8

Sensitivity of Class SA to Prepayments Assumed Price 24.0%*

<u>LIBOR</u>	PSA Prepayment Assumption Rates			
	<u>350%</u>	<u>733%</u>	<u>1,100%</u>	<u>1,500%</u>
0.10%	6.4%	(14.7)%	(36.1)%	(60.4)%
0.14%	6.2%	(14.9)%	(36.4)%	(60.7)%
3.22%	(9.7)%	(33.0)%	(57.7)%	(86.6)%
6.30% and above	**	**	**	**

Sensitivity of Class SB to Prepayments Assumed Price 26.625%*

<u>LIBOR</u>	PSA Prepayment Assumption Rates			
	<u>350%</u>	<u>733%</u>	<u>1,100%</u>	<u>1,500%</u>
0.10%	3.2%	(18.3)%	(40.2)%	(65.1)%
0.14%	3.1%	(18.5)%	(40.4)%	(65.4)%
3.22%	(11.3)%	(34.9)%	(60.0)%	(89.6)%
6.30% and above	**	**	**	**

SECURITY GROUP 9

Sensitivity of Class NI to Prepayments Assumed Price 6.6875%*

PSA Prepayment Assumption Rates				
<u>200%</u>	<u>458%</u>	<u>564%</u>	<u>750%</u>	<u>1,000%</u>
18.5%	5.5%	0.0%	(9.7)%	(23.1)%

* 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.

SECURITY GROUP 10**Sensitivity of Class IK to Prepayments
Assumed Price 11.375%***

PSA Prepayment Assumption Rates				
<u>150%</u>	<u>345%</u>	<u>379%</u>	<u>500%</u>	<u>700%</u>
12.0%	1.8%	0.0%	(6.6)%	(17.7)%

**Sensitivity of Class IM to Prepayments
Assumed Price 11.375%***

PSA Prepayment Assumption Rates				
<u>150%</u>	<u>345%</u>	<u>378%</u>	<u>500%</u>	<u>700%</u>
12.0%	1.8%	0.0%	(6.6)%	(17.7)%

**Sensitivity of Class IN to Prepayments
Assumed Price 11.375%***

PSA Prepayment Assumption Rates				
<u>150%</u>	<u>345%</u>	<u>378%</u>	<u>500%</u>	<u>700%</u>
12.0%	1.8%	0.0%	(6.6)%	(17.7)%

SECURITY GROUPS 6 AND 10**Sensitivity of Class BI to Prepayments
Assumed Price 10.6875%***

PSA Prepayment Assumption Rates				
<u>150%</u>	<u>345%</u>	<u>405%</u>	<u>500%</u>	<u>700%</u>
13.5%	3.2%	0.0%	(5.2)%	(16.4)%

**Sensitivity of Class IL to Prepayments
Assumed Price 12.0625%***

PSA Prepayment Assumption Rates				
<u>150%</u>	<u>343%</u>	<u>345%</u>	<u>500%</u>	<u>700%</u>
10.4%	0.0%	(0.1)%	(8.7)%	(20.2)%

SECURITY GROUP 11**Sensitivity of Class IJ to Prepayments
Assumed Price 10.25%***

PSA Prepayment Assumption Rates				
<u>300%</u>	<u>424%</u>	<u>594%</u>	<u>900%</u>	<u>1,200%</u>
6.7%	0.0%	(9.4)%	(27.1)%	(45.1)%

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

SECURITY GROUP 12**Sensitivity of Class LI to Prepayments
Assumed Price 10.3125%***

PSA Prepayment Assumption Rates				
<u>150%</u>	<u>311%</u>	<u>329%</u>	<u>500%</u>	<u>700%</u>
8.7%	0.0%	(1.0)%	(10.6)%	(22.3)%

SECURITY GROUP 13**Sensitivity of Class MI to Prepayments
Assumed Price 10.75%***

PSA Prepayment Assumption Rates				
<u>350%</u>	<u>508%</u>	<u>733%</u>	<u>1,100%</u>	<u>1,500%</u>
8.5%	0.0%	(12.4)%	(33.5)%	(57.4)%

SECURITY GROUP 14**Sensitivity of Class IQ to Prepayments
Assumed Price 9.59375%***

PSA Prepayment Assumption Rates				
<u>150%</u>	<u>340%</u>	<u>349%</u>	<u>500%</u>	<u>700%</u>
10.5%	0.5%	0.1%	(8.2)%	(19.4)%

SECURITY GROUP 15**Sensitivity of Class IT to Prepayments
Assumed Price 13.75%***

PSA Prepayment Assumption Rates			
<u>350%</u>	<u>735%</u>	<u>1,100%</u>	<u>1,500%</u>
0.0%	(23.6)%	(48.5)%	(78.7)%

**Sensitivity of Class TI to Prepayments
Assumed Price 10.0%***

PSA Prepayment Assumption Rates				
<u>350%</u>	<u>528%</u>	<u>735%</u>	<u>1,100%</u>	<u>1,500%</u>
10.0%	0.0%	(12.0)%	(34.6)%	(61.3)%

SECURITY GROUP 16**Sensitivity of Class QI to Prepayments
Assumed Price 11.5%***

PSA Prepayment Assumption Rates				
<u>150%</u>	<u>272%</u>	<u>335%</u>	<u>500%</u>	<u>700%</u>
6.6%	0.0%	(3.4)%	(12.6)%	(24.2)%

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

SECURITY GROUP 17

Sensitivity of Class IW to Prepayments Assumed Price 11.5%*

PSA Prepayment Assumption Rates				
300%	373%	594%	900%	1,200%
3.9%	0.0%	(12.1)%	(29.5)%	(47.2)%

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

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 as to the Group 1 through 15 Trust Assets and a Single REMIC Series as to the Group 16 Trust Assets and as to the Group 17 Trust Assets, each for United States federal income tax purposes. Separate REMIC elections will be made for the Group 1 through 15 Pooling REMIC, the Group 1 through 15 Issuing REMIC, the Group 16 REMIC and the Group 17 REMIC.

Regular Securities

The Regular Securities will be treated as debt instruments issued by the Group 16 REMIC, the Group 17 REMIC or the Group 1 through 15 Issuing REMIC, as applicable, 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	767%
2	370%
3	551%
4	282%
5 and 7	603%
6 and 10	345%
8 and 13	733%
9	458%
11 and 17	594%
12	329%
14	340%
15	735%
16	335%

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 LIBOR 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 Group 1 through 15 Pooling REMIC and the beneficial ownership of the Residual Interest in the Group 1 through 15 Issuing REMIC. The Class R16 Securities will represent the beneficial ownership of the Residual Interest in the Group 16 REMIC. The Class R17 Securities will represent the beneficial ownership of the Residual Interest in the Group 17 REMIC. The Residual Securities, *i.e.*, the Class RR, R16 and R17 Securities, generally will be treated as “residual interests” in a REMIC for domestic building and loan associations and as “real estate assets” for REITs, as described in “Certain United States Federal Income Tax Consequences” in the Base Offering Circular, but will not be treated as debt for United States federal income tax purposes. Instead, the Holders of the Residual Securities will be required to report, and will be taxed on, their pro rata shares of the taxable income or loss of the related Trust REMIC or Trust REMICs, as applicable, and these requirements will continue until there are no outstanding regular interests in the respective Trust REMIC or Trust REMICs, as applicable. Thus, Residual Holders will have taxable income attributable to the Residual Securities even though they will not receive principal or interest distributions with respect to the Residual Securities, which could result in a negative after-tax return for the Residual Holders. Even though the Holders of the Residual Securities are not entitled to any stated principal or interest payments on the Residual Securities, the related Trust

REMIC or Trust REMICs, as applicable, may have substantial taxable income in certain periods, and offsetting tax losses may not occur until much later periods. Accordingly, the Holders of the Residual Securities may experience substantial adverse tax timing consequences. Prospective investors are urged to consult their own tax advisors and consider the after-tax effect of ownership of the Residual Securities and the suitability of the Residual Securities to their investment objectives.

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

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

MX Securities

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

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

ERISA MATTERS

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

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

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

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

See “*ERISA Considerations*” in the Base Offering Circular.

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

LEGAL INVESTMENT CONSIDERATIONS

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

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

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

PLAN OF DISTRIBUTION

Subject to the terms and conditions of the Sponsor Agreement, the Sponsor has agreed to purchase all of the Securities if any are sold and purchased. The Sponsor proposes to offer the Regular and MX Classes to the public from time to time for sale in negotiated transactions at varying prices to be determined at the time of sale, plus accrued interest from (1) October 1, 2020 on the Fixed Rate Classes and (2) October 20, 2020 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 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 Greenberg Traurig, LLP.

Available Combinations(1)

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)
Security Groups 6 and 10								
Combination 1(5)								
CI	\$ 72,710,118	IL	\$ 91,592,582	NTL(PT)	2.50%	FIX/IO	38382KXJ7	October 2050
IN	18,882,464							
Combination 2(5)								
EI	\$ 61,706,645	BI	\$ 88,988,793	NTL(PT)	2.50%	FIX/IO	38382KXK4	October 2050
IK	27,282,148							
Security Group 16								
Combination 3(6)								
E	\$300,000,000	EA	\$300,000,000	PT	0.75%	FIX	38382KXL2	October 2050
		EB	300,000,000	PT	1.00	FIX	38382KXM0	October 2050
		EC	300,000,000	PT	1.25	FIX	38382KXN8	October 2050
		ED	300,000,000	PT	1.50	FIX	38382KXP3	October 2050
		EG	300,000,000	PT	1.75	FIX	38382KXQ1	October 2050
		QI	187,500,000	NTL(PT)	2.00	FIX/IO	38382KXR9	October 2050
Security Group 17								
Combination 4(6)								
H	\$410,000,000	AH	\$410,000,000	PT	0.75%	FIX	38382KXS7	October 2050
		HB	410,000,000	PT	1.00	FIX	38382KXT5	October 2050
		HC	410,000,000	PT	1.25	FIX	38382KXU2	October 2050
		HD	410,000,000	PT	1.50	FIX	38382KXV0	October 2050
		HE	410,000,000	PT	1.75	FIX	38382KXW8	October 2050
		HG	410,000,000	PT	2.00	FIX	38382KXX6	October 2050
		IW	287,000,000	NTL(PT)	2.50	FIX/IO	38382KXY4	October 2050

(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) Derived from REMIC Classes relating to separate Groups.
- (6) In the case of Combinations 3 and 4, various subcombinations are permitted. See *“Description of the Securities — Modification and Exchange” in the Base Offering Circular for a discussion of subcombinations.*

Schedule II

SCHEDULED PRINCIPAL BALANCES

<u>Distribution Date</u>	<u>Classes PC and PL (in the aggregate)</u>
Initial Balance	\$45,400,327.00
November 2020	45,236,736.28
December 2020	45,046,727.49
January 2021	44,830,424.39
February 2021	44,587,993.84
March 2021	44,319,645.79
April 2021	44,025,633.21
May 2021	43,706,251.85
June 2021	43,361,839.90
July 2021	42,992,777.59
August 2021	42,599,486.54
September 2021	42,182,429.16
October 2021	41,742,107.80
November 2021	41,279,063.81
December 2021	40,793,876.59
January 2022	40,287,162.35
February 2022	39,759,572.93
March 2022	39,211,794.42
April 2022	38,644,545.68
May 2022	38,058,576.81
June 2022	37,454,667.50
July 2022	36,833,625.26
August 2022	36,196,283.61
September 2022	35,543,500.18
October 2022	34,876,154.76
November 2022	34,195,147.18
December 2022	33,501,395.30
January 2023	32,795,832.78
February 2023	32,092,532.32
March 2023	31,391,769.73
April 2023	30,704,071.01
May 2023	30,029,193.08
June 2023	29,366,897.32
July 2023	28,716,949.50
August 2023	28,079,119.68
September 2023	27,453,182.17
October 2023	26,838,915.39
November 2023	26,236,101.87
December 2023	25,644,528.10
January 2024	25,063,984.53
February 2024	24,494,265.44
March 2024	23,935,168.90
April 2024	23,386,496.69
May 2024	22,848,054.24
June 2024	22,319,650.56

<u>Distribution Date</u>	<u>Classes PC and PL (in the aggregate)</u>
July 2024	\$21,801,098.17
August 2024	21,292,213.06
September 2024	20,792,814.57
October 2024	20,302,725.40
November 2024	19,821,771.51
December 2024	19,349,782.04
January 2025	18,886,589.30
February 2025	18,432,028.69
March 2025	17,985,938.63
April 2025	17,548,160.53
May 2025	17,118,538.72
June 2025	16,698,361.00
July 2025	16,288,328.36
August 2025	15,888,198.85
September 2025	15,497,736.27
October 2025	15,116,709.97
November 2025	14,744,894.77
December 2025	14,382,070.80
January 2026	14,028,023.39
February 2026	13,682,542.94
March 2026	13,345,424.83
April 2026	13,016,469.24
May 2026	12,695,481.11
June 2026	12,382,269.98
July 2026	12,076,649.91
August 2026	11,778,439.34
September 2026	11,487,461.01
October 2026	11,203,541.89
November 2026	10,926,513.01
December 2026	10,656,209.42
January 2027	10,392,470.07
February 2027	10,135,137.74
March 2027	9,884,058.92
April 2027	9,639,083.75
May 2027	9,400,065.91
June 2027	9,166,862.57
July 2027	8,939,334.27
August 2027	8,717,344.87
September 2027	8,500,761.46
October 2027	8,289,454.27
November 2027	8,083,296.63
December 2027	7,882,164.87
January 2028	7,685,938.25
February 2028	7,494,498.92
March 2028	7,307,731.79
April 2028	7,125,524.56
May 2028	6,947,767.54
June 2028	6,774,353.69

<u>Distribution Date</u>	<u>Classes PC and PL (in the aggregate)</u>
July 2028	\$ 6,605,178.51
August 2028	6,440,139.96
September 2028	6,279,138.46
October 2028	6,122,076.78
November 2028	5,968,860.01
December 2028	5,819,395.50
January 2029	5,673,592.80
February 2029	5,531,363.63
March 2029	5,392,621.79
April 2029	5,257,283.14
May 2029	5,125,265.57
June 2029	4,996,488.90
July 2029	4,870,874.87
August 2029	4,748,347.08
September 2029	4,628,830.97
October 2029	4,512,253.74
November 2029	4,398,544.35
December 2029	4,287,633.42
January 2030	4,179,453.27
February 2030	4,073,937.80
March 2030	3,971,022.51
April 2030	3,870,644.43
May 2030	3,772,742.10
June 2030	3,677,255.54
July 2030	3,584,126.19
August 2030	3,493,296.88
September 2030	3,404,711.84
October 2030	3,318,316.61
November 2030	3,234,058.04
December 2030	3,151,884.25
January 2031	3,071,744.61
February 2031	2,993,589.69
March 2031	2,917,371.27
April 2031	2,843,042.25
May 2031	2,770,556.68
June 2031	2,699,869.71
July 2031	2,630,937.57
August 2031	2,563,717.54
September 2031	2,498,167.91
October 2031	2,434,247.98
November 2031	2,371,918.03
December 2031	2,311,139.30
January 2032	2,251,873.96
February 2032	2,194,085.06
March 2032	2,137,736.58
April 2032	2,082,793.34
May 2032	2,029,221.01
June 2032	1,976,986.11

<u>Distribution Date</u>	<u>Classes PC and PL (in the aggregate)</u>
July 2032	\$ 1,926,055.92
August 2032	1,876,398.54
September 2032	1,827,982.84
October 2032	1,780,778.42
November 2032	1,734,755.63
December 2032	1,689,885.53
January 2033	1,646,139.86
February 2033	1,603,491.08
March 2033	1,561,912.27
April 2033	1,521,377.19
May 2033	1,481,860.23
June 2033	1,443,336.38
July 2033	1,405,781.25
August 2033	1,369,171.04
September 2033	1,333,482.52
October 2033	1,298,693.02
November 2033	1,264,780.42
December 2033	1,231,723.13
January 2034	1,199,500.10
February 2034	1,168,090.77
March 2034	1,137,475.09
April 2034	1,107,633.48
May 2034	1,078,546.85
June 2034	1,050,196.57
July 2034	1,022,564.46
August 2034	995,632.78
September 2034	969,384.21
October 2034	943,801.88
November 2034	918,869.29
December 2034	894,570.37
January 2035	870,889.44
February 2035	847,811.18
March 2035	825,320.65
April 2035	803,403.30
May 2035	782,044.89
June 2035	761,231.55
July 2035	740,949.76
August 2035	721,186.31
September 2035	701,928.31
October 2035	683,163.19
November 2035	664,878.70
December 2035	647,062.86
January 2036	629,704.02
February 2036	612,790.77
March 2036	596,312.02
April 2036	580,256.91
May 2036	564,614.89
June 2036	549,375.64

<u>Distribution Date</u>	<u>Classes PC and PL (in the aggregate)</u>
July 2036	\$ 534,529.09
August 2036	520,065.42
September 2036	505,975.07
October 2036	492,248.69
November 2036	478,877.16
December 2036	465,851.61
January 2037	453,163.34
February 2037	440,803.92
March 2037	428,765.08
April 2037	417,038.78
May 2037	405,617.15
June 2037	394,492.56
July 2037	383,657.52
August 2037	373,104.75
September 2037	362,827.13
October 2037	352,817.75
November 2037	343,069.82
December 2037	333,576.77
January 2038	324,332.15
February 2038	315,329.69
March 2038	306,563.27
April 2038	298,026.92
May 2038	289,714.82
June 2038	281,621.28
July 2038	273,740.78
August 2038	266,067.91
September 2038	258,597.40
October 2038	251,324.12
November 2038	244,243.05
December 2038	237,349.30
January 2039	230,638.12
February 2039	224,104.86
March 2039	217,744.98
April 2039	211,554.06
May 2039	205,527.79
June 2039	199,661.98
July 2039	193,952.51
August 2039	188,395.40
September 2039	182,986.75
October 2039	177,722.75
November 2039	172,599.70
December 2039	167,613.99
January 2040	162,762.09
February 2040	158,040.56
March 2040	153,446.07
April 2040	148,975.33
May 2040	144,625.16
June 2040	140,392.47

<u>Distribution Date</u>	<u>Classes PC and PL (in the aggregate)</u>
July 2040	\$ 136,274.21
August 2040	132,267.45
September 2040	128,369.29
October 2040	124,576.94
November 2040	120,887.66
December 2040	117,298.77
January 2041	113,807.69
February 2041	110,411.87
March 2041	107,108.84
April 2041	103,896.19
May 2041	100,771.58
June 2041	97,732.71
July 2041	94,777.35
August 2041	91,903.32
September 2041	89,108.51
October 2041	86,390.84
November 2041	83,748.30
December 2041	81,178.93
January 2042	78,680.80
February 2042	76,252.06
March 2042	73,890.87
April 2042	71,595.48
May 2042	69,364.14
June 2042	67,195.18
July 2042	65,086.95
August 2042	63,037.85
September 2042	61,046.32
October 2042	59,110.84
November 2042	57,229.93
December 2042	55,402.15
January 2043	53,626.08
February 2043	51,900.35
March 2043	50,223.64
April 2043	48,594.63
May 2043	47,012.06
June 2043	45,474.69
July 2043	43,981.31
August 2043	42,530.75
September 2043	41,121.87
October 2043	39,753.55
November 2043	38,424.70
December 2043	37,134.27
January 2044	35,881.22
February 2044	34,664.56
March 2044	33,483.29
April 2044	32,336.46
May 2044	31,223.16
June 2044	30,142.46

<u>Distribution Date</u>	<u>Classes PC and PL (in the aggregate)</u>
July 2044	\$ 29,093.49
August 2044	28,075.40
September 2044	27,087.33
October 2044	26,128.48
November 2044	25,198.05
December 2044	24,295.28
January 2045	23,419.39
February 2045	22,569.67
March 2045	21,745.39
April 2045	20,945.86
May 2045	20,170.40
June 2045	19,418.34
July 2045	18,689.06
August 2045	17,981.91
September 2045	17,296.29
October 2045	16,631.60
November 2045	15,987.27
December 2045	15,362.73
January 2046	14,757.43
February 2046	14,170.83
March 2046	13,602.42
April 2046	13,051.69
May 2046	12,518.15
June 2046	12,001.31
July 2046	11,500.71
August 2046	11,015.88
September 2046	10,546.40
October 2046	10,091.82
November 2046	9,651.72
December 2046	9,225.70
January 2047	8,813.36
February 2047	8,414.30
March 2047	8,028.16
April 2047	7,654.56
May 2047	7,293.15
June 2047	6,943.57
July 2047	6,605.49
August 2047	6,278.58
September 2047	5,962.52
October 2047	5,656.99
November 2047	5,361.70
December 2047	5,076.33
January 2048	4,800.62
February 2048	4,534.27
March 2048	4,277.01
April 2048	4,028.58
May 2048	3,788.73
June 2048	3,557.19

<u>Distribution Date</u>	<u>Classes PC and PL (in the aggregate)</u>
July 2048	\$ 3,333.72
August 2048	3,118.09
September 2048	2,910.07
October 2048	2,709.43
November 2048	2,515.95
December 2048	2,329.41
January 2049	2,149.62
February 2049	1,976.36
March 2049	1,809.45
April 2049	1,648.70
May 2049	1,493.90
June 2049	1,344.90
July 2049	1,201.51
August 2049	1,063.56
September 2049	930.88
October 2049	803.32
November 2049	680.71
December 2049	562.91
January 2050	449.77
February 2050	341.14
March 2050	236.88
April 2050	136.86
May 2050	40.94
June 2050 and thereafter	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 Balance of Class	Underlying Certificate Factor(2)	Principal Balance in Trust	Percentage of Class in Trust	Ginnie Mae I or II
1	Ginnie Mae	2019-133	CF	October 30, 2019	38382ADN2	(4)	FLT	October 2049	PT	\$ 50,000,000	0.97293468	\$48,646,734	100.0000000000%	II
4T	Ginnie Mae	2014-091	MA(3)(5)	June 30, 2014	38379CTB2	3.000%	FIX	January 2040	SC/PAC/AD	229,828,330	0.21975747	1,439,631	2.8503883747	I
4U	Ginnie Mae	2011-052	PA	April 29, 2011	38377VU5	4.250	FIX	February 2041	PAC I	90,485,000	0.06787117	2,375,490	38.6804442725	I
4V	Ginnie Mae	2009-121	JAC(3)	December 30, 2009	38375AUB8	3.000	FIX	December 2039	PT	280,000,000	0.10644880	12,529,916	42.0389071429	I
4W	Ginnie Mae	2009-116	DN(3)	December 30, 2009	38376PG38	4.750	FIX	July 2038	PAC I	53,592,000	0.36202190	1,810,109	9.3297507091	I
4X	Ginnie Mae	2011-168	BG(3)(6)	December 21, 2011	38378CBL0	1.750	FIX	October 2037	SC/SEQ/AD	101,047,932	0.00720100	283,791	39.0012929705	I
4Y	Ginnie Mae	2003-062	KL(3)	July 30, 2003	38374BMD2	4.250	FIX	June 2033	PAC/AD	196,200,000	0.02063397	33,014	0.8154943935	I
4Z	Ginnie Mae	2003-066	MZ(7)	August 29, 2003	38374BUK7	5.500	FIX/Z	May 2033	SC/SEQ	16,762,241	0.82423428	1,236,351	8.9486841288	II
4Z	Ginnie Mae	2004-028	CZ	April 30, 2004	38374GCL4	5.500	FIX/Z	April 2034	SUP	38,718,000	0.39480086	6,119,413	40.0330595589	II
4Z	Ginnie Mae	2008-042	QB(3)	May 29, 2008	38375QJY6	5.500	FIX	May 2038	SEQ	68,174,707	0.18185611	4,910,115	39.6041306052	II
4AA	Ginnie Mae	2004-068	ZC	August 30, 2004	38374HYU1	6.000	FIX/Z	August 2034	SEQ	20,914,502	0.62059498	930,892	7.1720569775	II
4AA	Ginnie Mae	2010-014	PZ(8)	February 26, 2010	38376WCE3	6.000	FIX/Z	December 2039	SC/SUP	13,230,600	0.37963741	2,555,049	50.8686983206	II
4BB	Ginnie Mae	2020-129	KG(3)	September 30, 2020	38382JZP4	0.875	FIX	September 2050	PT	34,092,477	0.96915543	33,040,909	100.0000000000	I

- As defined under "Class Types" in Appendix I to the Base Offering Circular.
- Underlying Certificate Factors are as of October 2020.
- MX Class.
- The Interest Rate will be calculated as described under "Terms Sheet — Interest Rates" in the related Underlying Certificate Disclosure Document.
- Class MA is backed by a previously issued Ginnie Mae MX certificate, as outlined below:
 - MX Class DA from 2010-009
- Class B is backed by previously issued Ginnie REMIC certificates, as outlined below:
 - REMIC Class PN from 2008-032
 - REMIC Class PJ from 2009-035
- Class MZ is backed by previously issued Ginnie REMIC certificates, as outlined below:
 - REMIC Class PC from 2003-039
 - REMIC Class UE from 2003-039
- Class PZ is backed by previously issued Ginnie MX certificates, as outlined below:
 - MX Class NY from 2009-033
 - MX Class PQ from 2009-122
 - MX Class PY from 2009-122

Exhibit B

Characteristics of the Mortgage Loans Underlying the Subgroup 4A through 4S Trust Assets(1)

<u>Pool Number</u>	<u>Principal Balance</u>	<u>Weighted Average Remaining Term to Maturity (in months)</u>	<u>Weighted Average Loan Age (in months)</u>	<u>Weighted Average Mortgage Rate⁽²⁾</u>
Subgroup 4A Trust Assets				
5232	\$101,238,683.93	241	107	3.875%
Subgroup 4B Trust Assets				
792905	\$ 1,444,324.73	231	105	4.000%
793122	709,498.43	236	105	4.000%
794599	1,394,825.60	246	103	4.000%
AA6301	1,742,309.84	261	90	4.000%
AA8582	175,365.65	258	99	4.000%
AC3740	161,957.02	244	94	4.000%
AC3743	1,473,618.05	247	94	4.000%
AD1619	2,068,223.56	252	93	4.000%
AE4601	1,483,841.23	261	89	4.000%
AE4615	3,063,134.58	253	94	4.000%
AE7693	2,798,474.43	267	86	4.000%
AE9886	2,656,654.93	257	89	4.000%
AF1075	818,217.14	242	87	4.000%
	<u>\$ 19,990,445.19</u>			
Subgroup 4C Trust Assets				
AD1754	\$ 3,184,795.54	247	92	3.796%
AD2190	36,347.49	248	92	3.774%
AD8825	13,180,048.48	254	91	3.768%
	<u>\$ 16,401,191.51</u>			
Subgroup 4D Trust Assets				
3319	\$ 16,526.10	135	215	5.820%
3359	26,417.86	137	212	5.817%
3374	616.10	136	210	5.815%
3414	66,857.58	140	208	5.576%
3651	558,169.64	155	191	5.634%
3876	59,525.82	171	174	5.598%
3964	46,202.00	184	164	5.640%
4947	103,811.12	231	119	5.296%
737608	184,040.28	160	195	5.454%
739156	388,355.06	228	125	5.250%
754412	117,990.56	178	157	5.398%
782378	720,881.38	141	204	5.506%
784248	629,849.86	203	145	5.449%
AN5346	4,385,885.11	217	138	5.476%
AO0577	984,795.84	223	124	5.330%
BX3548	4,005,063.64	220	135	5.430%
MA0223	1,929,959.49	212	137	5.433%

Pool Number	Principal Balance	Weighted Average Remaining Term to Maturity (in months)	Weighted Average Loan Age (in months)	Weighted Average Mortgage Rate⁽²⁾
MA0321	\$ 400,800.47	206	144	5.450%
MA0465	509,567.13	204	143	5.449%
MA0702	22,239.00	210	140	5.410%
MA0937	523,893.84	210	143	5.432%
MA1160	337,745.43	213	134	5.409%
MA1227	1,662,846.11	233	119	5.354%
MA1922	134,947.35	235	117	5.396%
MA1998	170,677.59	228	124	5.404%
MA2151	148,599.56	233	120	5.415%
MA2306	210,771.30	250	104	5.452%
MA2448	5,282.07	239	110	5.430%
MA2524	307,514.28	240	113	5.480%
MA2604	408,675.44	240	110	5.481%
MA2681	1,629,278.79	226	126	5.449%
MA2757	8,847,848.97	234	119	5.465%
MA2829	351,077.72	239	114	5.490%
MA2895	259,965.28	247	106	5.458%
MA3108	440,354.28	250	103	5.472%
MA3379	7,325,414.00	243	111	5.411%
MA4007	13,613.86	228	123	5.402%
	<u>\$ 37,936,059.91</u>			

Subgroup 4E Trust Assets

429677	\$ 1,575.32	135	204	5.500%
520148	62,421.02	134	202	5.500%
550656	188,372.28	168	182	5.500%
553295	167,611.50	136	209	5.500%
553357	126,880.88	139	208	5.500%
566485	23,083.91	146	207	5.500%
566505	82,475.93	141	203	5.500%
569712	314,761.00	171	182	5.500%
582998	201,914.61	146	197	5.500%
583696	8,982.98	141	205	5.500%
590096	53,308.27	151	204	5.500%
594460	11,522.67	53	206	5.500%
603642	7,217.16	133	210	5.500%
604412	15,086.89	132	208	5.500%
604474	45,705.26	132	208	5.500%
604497	11,441.22	141	207	5.500%
604639	67,796.05	144	205	5.500%
604712	133,128.60	139	205	5.500%
604725	350,708.65	140	204	5.500%
604871	1,643.20	141	204	5.500%
605048	243,637.64	145	201	5.500%
605098	59,448.49	143	200	5.500%
605266	371,360.71	149	197	5.500%
605773	287,631.86	148	191	5.500%

Pool Number	Principal Balance	Weighted Average Remaining Term to Maturity (in months)	Weighted Average Loan Age (in months)	Weighted Average Mortgage Rate⁽²⁾
607118	\$ 35,950.10	125	199	5.500%
607436	33,883.16	157	203	5.500%
607437	108,992.91	154	202	5.500%
608384	93,329.54	144	210	5.500%
612738	132,210.55	139	209	5.500%
612765	479,300.00	133	208	5.500%
614192	53,310.73	141	205	5.500%
614561	10,517.57	140	208	5.500%
614587	991.31	119	210	5.500%
614614	19,501.16	137	207	5.500%
614619	26,533.03	116	207	5.500%
614644	16,120.84	138	207	5.500%
615266	25,053.67	134	209	5.500%
615493	40,022.96	136	207	5.500%
615553	12,961.69	154	206	5.500%
615655	325,143.95	144	205	5.500%
615656	29,404.38	151	205	5.500%
615782	72,561.98	30	205	5.500%
615892	50,442.39	132	207	5.500%
615948	319,143.09	138	206	5.500%
616013	368,908.43	129	205	5.500%
616474	353,501.57	148	197	5.500%
617830	202.30	204	155	5.500%
619279	24,938.87	162	190	5.500%
620495	51,073.76	135	206	5.500%
620521	39,613.24	141	206	5.500%
620526	34,897.91	148	206	5.500%
622107	468,208.52	130	205	5.500%
626551	259,066.30	152	196	5.500%
628083	238,379.40	150	197	5.500%
633778	66,493.56	146	192	5.500%
636086	63,059.25	161	190	5.500%
637384	21,943.74	139	190	5.500%
638299	438,130.90	161	190	5.500%
640535	31,583.43	158	189	5.500%
641779	8,970.79	162	182	5.500%
669016	16,018.35	179	162	5.500%
698485	132,893.50	216	135	5.500%
704628	139,768.60	212	136	5.500%
705468	105,875.74	215	140	5.500%
710859	178,628.94	213	133	5.500%
710924	846,585.81	219	132	5.500%
711067	207,528.79	223	130	5.500%
713327	103,601.24	215	137	5.500%
719217	223,550.66	221	124	5.500%
719262	36,386.18	227	123	5.500%
719574	193,632.83	215	134	5.500%

Pool Number	Principal Balance	Weighted Average Remaining Term to Maturity (in months)	Weighted Average Loan Age (in months)	Weighted Average Mortgage Rate⁽²⁾
721203	\$ 2,109.71	217	133	5.500%
721758	188,960.01	228	123	5.500%
723320	18,509.66	213	133	5.500%
723339	139,156.95	216	133	5.500%
723419	367,669.10	214	131	5.500%
723449	197,034.22	215	131	5.500%
724230	376,946.03	218	134	5.500%
724384	12,832.34	227	132	5.500%
726095	144,008.12	222	131	5.500%
726262	42,446.30	217	133	5.500%
726323	106,526.76	216	133	5.500%
726472	132,841.89	188	132	5.500%
726921	157,905.26	219	131	5.500%
728451	21,826.62	225	131	5.500%
733177	19,657.14	222	125	5.500%
733600	58,405.93	228	126	5.500%
733627	118,245.64	229	125	5.500%
736157	103,422.94	243	114	5.500%
736663	229,141.84	224	128	5.500%
736667	38,560.93	225	128	5.500%
736724	258,831.41	221	125	5.500%
737177	303,342.58	218	126	5.500%
745089	272,422.46	223	125	5.500%
745093	86,174.24	221	125	5.500%
745131	87,984.07	226	124	5.500%
781746	560,552.81	146	198	5.500%
781769	120,258.06	139	207	5.500%
781814	298,463.12	142	204	5.500%
781830	124,480.35	146	199	5.500%
781908	42,428.48	157	188	5.500%
782162	8,323.87	144	202	5.500%
782226	187,165.95	142	205	5.500%
782300	690,641.58	147	198	5.500%
783653	1,195,730.45	225	124	5.500%
783695	191,059.65	200	149	5.500%
783904	238,610.65	151	195	5.500%
784261	2,073,120.77	140	206	5.500%
784343	931,129.48	205	146	5.500%
784344	764,068.67	188	161	5.500%
784442	626,278.79	220	129	5.500%
	<u>\$ 20,913,808.55</u>			
Subgroup 4F Trust Assets				
AD1760	\$ 5,850,359.53	243	92	4.380%
AK1941	603,348.38	286	72	4.515%
AK8620	260,343.93	281	71	4.282%
BX3544	3,603,342.16	251	101	4.424%

Pool Number	Principal Balance	Weighted Average Remaining Term to Maturity (in months)	Weighted Average Loan Age (in months)	Weighted Average Mortgage Rate⁽²⁾
BX3546	\$ 1,526,390.52	224	88	4.445%
	<u>\$ 11,843,784.52</u>			
Subgroup 4G Trust Assets				
AH7258	\$ 1,165,342.83	286	73	4.500%
AE8415	655,724.98	275	77	4.500%
AJ8906	743,499.68	285	72	4.500%
742547	783,070.63	229	121	4.500%
773483	215,187.95	230	109	4.500%
	<u>\$ 3,562,826.07</u>			
Subgroup 4H Trust Assets				
3403	\$ 185,047.97	138	209	6.255%
3415	43,369.73	138	208	5.930%
3429	55,682.67	139	207	5.845%
3443	375,436.77	141	206	5.867%
3488	367,145.12	144	203	5.915%
3515	97,465.27	144	201	5.914%
3665	138,250.98	156	190	5.979%
3702	264,990.78	159	187	5.951%
3711	67,212.63	162	186	5.971%
3774	64,361.22	166	181	5.981%
4497	217,857.96	187	161	5.903%
4984	396,439.02	192	157	5.937%
769449	105,370.30	173	182	5.920%
781764	151,925.92	148	198	5.890%
783570	753,794.50	145	202	5.994%
783881	286,927.67	186	162	5.978%
784195	5,942,656.46	193	157	5.967%
MA1681	62,983.03	175	174	5.991%
MA1764	3,005,098.33	174	173	5.991%
MA1923	159,984.45	181	168	5.982%
MA1999	1,118,505.01	184	168	5.949%
MA2605	102,358.40	189	163	5.969%
MA2965	456,813.62	196	155	5.959%
MA3941	706,119.32	195	157	5.957%
	<u>\$ 15,125,797.12</u>			
Subgroup 4I Trust Assets				
553144	\$ 102,678.13	130	211	6.000%
596655	338.34	81	216	6.000%
603690	267,297.94	138	210	6.000%
605462	80,998.23	149	197	6.000%
608204	65,674.94	149	209	6.000%
610208	87,072.37	26	211	6.000%
616418	376,242.25	153	198	6.000%
623145	169,673.93	86	205	6.000%

Pool Number	Principal Balance	Weighted Average Remaining Term to Maturity (in months)	Weighted Average Loan Age (in months)	Weighted Average Mortgage Rate⁽²⁾
628068	\$ 185,481.05	148	198	6.000%
632855	781,183.86	153	193	6.000%
675074	224,160.40	193	154	6.000%
696456	76,737.95	203	146	6.000%
701582	100,386.68	208	142	6.000%
781590	81,294.79	136	211	6.000%
781824	125,877.72	150	194	6.000%
781986	7,048.01	150	197	6.000%
782131	259,236.56	176	174	6.000%
782774	1,136,842.03	209	141	6.000%
782789	926,367.48	200	149	6.000%
783542	230,564.54	148	198	6.000%
783923	149,026.25	150	197	6.000%
784092	97,830.13	154	194	6.000%
784338	4,197,129.03	179	170	6.000%
	<u>\$ 9,729,142.61</u>			

Subgroup 4J Trust Assets

2629	\$ 71,851.97	85	267	6.783%
2643	137,911.38	80	266	6.812%
2657	23,859.62	85	265	6.785%
2671	81,864.72	87	264	6.804%
2687	98,866.18	87	263	6.812%
2699	188,928.23	88	262	6.803%
2713	160,931.37	88	261	6.798%
2728	217,454.29	89	260	6.807%
2740	1,798,311.79	88	259	6.816%
2753	1,018,882.78	91	258	6.816%
2766	61,959.30	94	257	6.790%
2780	1,677.92	94	257	6.806%
2794	48,858.30	82	257	6.772%
2864	27,543.89	94	254	6.760%
3008	62,658.31	97	252	6.758%
3067	54,053.12	111	235	6.809%
3079	1,767.69	116	234	6.819%
3094	2,922.18	116	233	6.829%
3172	29,588.46	121	227	6.798%
3187	978,127.21	121	226	6.789%
3200	76,302.61	124	225	6.785%
3214	430,451.83	126	224	6.792%
3227	1,471,471.86	122	223	6.799%
3238	371,449.95	123	222	6.797%
3249	360,400.28	126	221	6.795%
3260	1,130,346.83	127	220	6.826%
3334	25,801.01	133	214	6.754%
3501	227,539.92	146	202	6.368%
3611	146,910.05	151	194	6.417%

Pool Number	Principal Balance	Weighted Average Remaining Term to Maturity (in months)	Weighted Average Loan Age (in months)	Weighted Average Mortgage Rate⁽²⁾
478591	\$ 67,706.84	91	265	6.750%
492722	44,005.84	100	259	6.875%
5019	22,064.47	181	168	6.447%
513088	18,880.47	99	257	6.500%
513215	12,417.34	95	255	6.500%
518964	88,391.96	97	253	6.500%
522501	61,660.83	95	252	6.500%
526743	49,698.66	97	250	6.500%
526961	14,538.88	16	250	6.500%
532243	43,872.04	114	246	6.500%
781749	40,582.86	136	211	6.598%
783389	137,084.44	164	182	6.436%
AT2704	323,207.83	188	152	6.354%
MA0857	106,126.35	188	160	6.456%
MA0939	1,969,405.66	193	156	6.461%
MA3381	2,139,598.11	181	169	6.451%
MA3741	1,858,383.34	183	167	6.459%
	<u>\$ 16,306,318.97</u>			

Subgroup 4K Trust Assets

617788	\$ 33,399.86	202	156	6.500%
643800	76,728.61	51	184	6.500%
677319	7,556.24	200	145	6.500%
680490	38,854.63	223	132	6.500%
688143	22,380.70	209	142	6.500%
696489	35,276.88	198	146	6.500%
700894	51,888.06	215	143	6.500%
704211	51,638.66	208	141	6.500%
781982	172,236.05	167	184	6.500%
782034	174,012.88	155	192	6.500%
782147	75,991.68	183	169	6.500%
784288	463,639.72	149	198	6.500%
784461	246,804.90	175	170	6.500%
	<u>\$ 1,450,408.87</u>			

Subgroup 4L Trust Assets

2114	\$ 104.79	59	300	7.375%
2215	186,883.58	56	294	7.284%
2263	335.57	57	293	7.122%
2534	139,273.16	76	274	7.288%
2603	115,943.44	82	269	7.299%
2615	110,297.48	82	268	7.288%
2644	118,614.73	84	266	7.280%
2658	245,719.87	86	265	7.286%
2673	905,542.68	86	264	7.270%
2689	70,489.68	85	263	7.280%
2701	52,866.87	86	262	7.260%

Pool Number	Principal Balance	Weighted Average Remaining Term to Maturity (in months)	Weighted Average Loan Age (in months)	Weighted Average Mortgage Rate⁽²⁾
2714	\$ 172,376.47	87	261	7.250%
2729	179,225.09	89	260	7.252%
2741	1,603,540.83	89	259	7.258%
3053	36,253.83	111	236	7.311%
3080	241,216.00	115	234	7.273%
3107	108,117.18	117	232	7.304%
3133	4,491.50	118	230	7.295%
3150	139.06	120	229	7.284%
3201	290,852.42	122	225	7.255%
3215	1,006,103.77	126	224	7.260%
3239	26,472.16	127	222	7.273%
5154	105,705.03	151	203	6.927%
5190	151,924.46	149	203	6.960%
780999	771,072.00	87	263	7.264%
782767	64,731.74	105	243	7.204%
784000	129,098.02	120	227	7.276%
784609	5,902,185.91	182	169	6.925%
MA1683	28,852.91	175	173	6.919%
MA2229	272,620.65	183	167	6.896%
MA3316	610,090.79	151	197	6.926%
MA5025	125,071.95	177	172	6.960%
MA5403	517,230.34	245	109	6.971%
MA5471	382,407.99	221	132	6.981%
MA5600	196,339.88	228	127	6.917%
MA5656	916,943.55	246	107	6.968%
MA5715	998,958.19	242	112	6.982%
MA5822	365,672.96	209	138	6.936%
MA6096	435,146.85	188	163	6.948%
	<u>\$ 17,588,913.38</u>			
Subgroup 4M Trust Assets				
210344	\$ 2,971.11	85	256	7.000%
412570	28,763.01	64	295	7.000%
415721	40,329.61	60	295	7.000%
434189	1,471.20	91	261	7.000%
457975	54,238.85	91	262	7.000%
459207	916.52	100	257	7.000%
465256	2,527.51	69	258	7.000%
470132	32,056.99	80	260	7.000%
470634	30,195.46	103	256	7.000%
474701	23,923.84	100	260	7.000%
486844	11,748.23	88	262	7.000%
487225	21,569.24	94	257	7.000%
503036	32,213.37	101	259	7.000%
503398	3,480.94	92	259	7.000%
503858	17,486.29	100	260	7.000%
508274	2,354.84	102	257	7.000%

Pool Number	Principal Balance	Weighted Average Remaining Term to Maturity (in months)	Weighted Average Loan Age (in months)	Weighted Average Mortgage Rate⁽²⁾
512766	\$ 69,213.98	62	256	7.000%
513662	47,618.93	100	256	7.000%
514280	83,713.92	82	256	7.000%
538285	9,255.64	112	227	7.000%
538313	110,303.70	127	225	7.000%
552243	29,574.36	132	227	7.000%
552322	161,667.27	110	226	7.000%
552390	33,907.76	136	224	7.000%
553593	132,022.73	132	227	7.000%
571270	55,772.85	125	228	7.000%
574840	5,522.33	121	227	7.000%
575404	19,860.33	116	227	7.000%
597909	199,429.48	161	199	7.000%
607490	88,740.14	161	199	7.000%
658385	27,223.75	193	166	7.000%
780912	767.79	81	270	7.000%
781288	257,698.67	112	237	7.000%
781530	17,559.75	123	226	7.000%
781675	9,647.25	126	222	7.000%
781876	125,482.52	111	236	7.000%
782044	5,468.01	87	262	7.000%
784051	123,479.19	126	221	7.000%
784141	126,808.13	86	264	7.000%
784379	24,220.75	103	247	7.000%
784462	38,297.93	145	211	7.000%
784463	37,229.33	118	227	7.000%
784464	35,600.85	122	225	7.000%
784567	66,619.21	98	250	7.000%
	<u>\$ 2,248,953.56</u>			
Subgroup 4N Trust Assets				
2604	\$ 27,920.37	80	269	7.727%
2742	25,205.44	85	260	7.735%
2866	8,457.70	96	250	7.813%
3026	8,490.21	109	238	7.802%
3054	232,386.55	112	236	7.780%
3096	13,674.06	111	233	7.762%
3108	363,905.06	115	232	7.752%
3121	25,364.66	120	231	7.763%
3151	74,383.76	117	229	7.759%
3189	18,733.35	121	226	7.726%
3216	25,380.20	121	224	7.761%
784496	2,873,222.38	160	191	7.399%
784533	89,018.73	109	238	7.788%
784534	144,934.23	115	232	7.768%
784612	18,084.37	107	240	7.763%
MA5198	212,595.83	167	182	7.423%

Pool Number	Principal Balance	Weighted Average Remaining Term to Maturity (in months)	Weighted Average Loan Age (in months)	Weighted Average Mortgage Rate⁽²⁾
MA5270	\$ 271,809.34	181	176	7.400%
MA5657	68,839.43	206	150	7.500%
MA5716	244,837.35	190	156	7.372%
MA6549	326,007.76	189	161	7.353%
	<u>\$ 5,073,250.78</u>			

Subgroup 4O Trust Assets

347017	\$ 3,034.95	32	322	7.500%
354611	5,093.75	28	328	7.500%
354652	14,453.68	31	326	7.500%
376272	3,565.93	38	321	7.500%
376538	38,755.47	33	317	7.500%
382285	3,633.55	33	321	7.500%
385718	417.47	5	318	7.500%
410895	12,035.58	59	298	7.500%
412543	39,924.90	46	299	7.500%
457782	134.29	82	268	7.500%
471663	27,209.75	84	272	7.500%
566254	871.02	109	229	7.500%
581137	21,551.61	125	224	7.500%
581160	12,459.91	81	223	7.500%
584344	5,955.28	114	223	7.500%
780468	17,902.67	32	324	7.500%
780492	3,585.80	36	319	7.500%
781328	165,301.90	105	245	7.500%
782032	55,506.33	91	261	7.500%
782048	37,301.69	93	257	7.500%
784075	165,885.96	81	270	7.500%
784124	181,220.84	65	287	7.500%
784168	86,485.31	58	295	7.500%
784229	231,489.15	77	276	7.500%
784239	70,150.96	82	270	7.500%
784240	66,254.52	80	269	7.500%
784392	235,555.37	78	274	7.500%
784502	300,156.93	101	249	7.500%
784568	81,051.67	102	248	7.500%
784569	60,767.27	40	314	7.500%
	<u>\$ 1,947,713.51</u>			

Subgroup 4P Trust Assets

394634	\$ 915.06	41	316	8.000%
780962	16,705.51	71	280	8.000%
782093	142,394.13	87	264	8.000%
783631	13,042.80	83	269	8.000%
784166	262,050.13	77	275	8.000%
784169	211,351.85	50	304	8.000%
784230	85,375.32	55	299	8.000%

Pool Number	Principal Balance	Weighted Average Remaining Term to Maturity (in months)	Weighted Average Loan Age (in months)	Weighted Average Mortgage Rate⁽²⁾
784376	\$ 254,839.17	73	278	8.000%
	<u>\$ 986,673.97</u>			
Subgroup 4Q Trust Assets				
2118	\$ 8,680.35	55	300	8.196%
2218	6,400.93	62	294	8.207%
3011	10,260.38	112	239	8.287%
784537	76,802.21	109	241	8.281%
	<u>\$ 102,143.87</u>			
Subgroup 4R Trust Assets				
186997	\$ 1,845.88	84	252	8.500%
505272	1,352.73	103	251	8.500%
532257	1,268.41	90	248	8.500%
545220	1,281.42	102	252	8.500%
784076	143,977.29	68	283	8.500%
784120	206,789.91	68	283	8.500%
784167	1,424.92	76	275	8.500%
784467	86,601.75	69	278	8.500%
784468	109,166.90	107	246	8.500%
	<u>\$ 553,709.21</u>			
Subgroup 4S Trust Assets				
477927	\$ 6,267.43	13	243	5.980%
513251	58,887.18	71	254	5.980%
518871	159,051.43	104	254	5.980%
522349	93,261.39	95	252	5.980%
540735	39,777.50	118	242	5.980%
543536	23,468.02	102	253	5.980%
	<u>\$ 380,712.95</u>			

⁽¹⁾ As of October 1, 2020.

⁽²⁾ The Mortgage Loans underlying the Subgroup 4A, 4C, 4D, 4F, 4H, 4J, 4L, 4N, 4Q and 4S Trust Assets may bear interest at rates ranging from 0.25% to 1.50% per annum above the related Certificate Rate.



\$4,005,872,631

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October 26, 2020

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