Offering Circular Supplement
(To Multifamily Base Offering Circular dated July 1, 2023)

Ginnie Mae
Our Guaranty Matters

$1,017,108,107
(Notional Balance)
Government National Mortgage Association
GINNIE MAE®

Guaranteed Multifamily REMIC Pass-Through Securities
Ginnie Mae REMIC Trust 2025-038

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 interest on the securities. The Ginnie Mae Guaranty is backed by the full faith and credit of the United States of America. Ginnie Mae does not guarantee the payment of any Prepayment Penalties.

The Trust and its Assets

The Trust will own certain previously issued multifamily certificates.

Class of REMIC Securities	Original Notional Balance(1)	Interest Rate	Principal Type(2)	Interest Type(2)	CUSIP Number	Final Distribution Date(3)
IO	$1,017,108,107	(4)	NTL(SC/PT)	WAC/IO/DLY	38381L8C9	January 2062
Residual						
RR	0	0.00	NPR	NPR	38381L8D7	January 2062

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

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-5 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 March 28, 2025.

You should read the Base Offering Circular for Guaranteed Multifamily REMIC Pass-Through Securities, Chapter 31 and Chapter 32 of the Ginnie Mae Mortgage-Backed Securities Guide 5500.3, as amended, and 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.

BMO

Ramirez and Co., Inc.

The date of this Offering Circular Supplement is March 24, 2025.

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 for Guaranteed Multifamily REMIC Pass-Through Securities dated as of July 1, 2023 (hereinafter referred to as the "Multifamily Base Offering Circular"),
- Chapter 31 and Chapter 32 of the Ginnie Mae Mortgage-Backed Securities Guide 5500.3, as amended (the "MBS Guide") and
- the disclosure documents relating to the Underlying Certificates (the "Underlying Certificate Disclosure Documents").

The Multifamily Base Offering Circular, the MBS Guide 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 Multifamily Base Offering Circular and the MBS Guide.

In addition, you can obtain copies of the disclosure documents related to the Ginnie Mae Multifamily Certificates by contacting BNY Mellon at the telephone number listed above.

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

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TERMS SHEET

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

Sponsor: BMO Capital Markets Corp.

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

Trustee: U.S. Bank National Association

Tax Administrator: The Trustee

Closing Date: March 28, 2025

Distribution Date: The 16th day of each month or, if the 16th day is not a Business Day, the first Business Day thereafter, commencing in April 2025.

Composition of the Trust Assets: The Trust Assets consist of Underlying Certificates. The aggregate notional balance of the Trust Assets is $1,017,108,107 as of March 2025. Certain information regarding the Underlying Certificates is set forth in Exhibit A to this Supplement. Certain information regarding the Ginnie Mae Multifamily Certificates and the related Mortgage Loans underlying the Underlying Certificates (the "Underlying Certificate Trust Assets") is set forth in the respective updated Exhibit A for each of the Underlying Certificates (the "Updated Exhibits A") in Exhibit B to this Supplement.

Ginnie Mae Multifamily Certificates and Mortgage Loans: As used in this Supplement, the terms Ginnie Mae Multifamily Certificate, Ginnie Mae Project Loan Certificate, Ginnie Mae Construction Loan Certificate and Mortgage Loan refer to such certificates or loans underlying the Underlying Certificates. The Trust does not directly hold any Ginnie Mae Multifamily Certificates or Mortgage Loans.

Certain Characteristics of the Ginnie Mae Multifamily Certificates and the Related Mortgage Loans Underlying the Trust Assets: Certain information regarding the characteristics of the Ginnie Mae Multifamily Certificates and the related Mortgage Loans underlying the Underlying Certificates is provided in Exhibits A and B to this Supplement.

Lockout Periods and Prepayment Penalties: None of the Mortgage Loans underlying the Underlying Certificates have remaining lockout periods. See the Updated Exhibits A in Exhibit B for additional information with respect to remaining lockout periods of the Mortgage Loans underlying the Underlying Certificate Trust Assets. Certain of the Mortgage Loans are insured under FHA insurance program Section 223(f), which, with respect to certain mortgage loans insured thereunder, prohibits prepayments for a period of five (5) years from the date of endorsement, regardless of any applicable lockout periods associated with such mortgage loans. The Mortgage Loans provide for payment of Prepayment Penalties during specified periods beginning on the applicable lockout period end date or, if no lockout period applies, the applicable Issue Date. In some circumstances FHA may permit an FHA-insured Mortgage Loan to be refinanced or prepaid without regard to any lockout, statutory prepayment prohibition or Prepayment Penalty provisions. *See "The Trust Assets--Certain Additional Characteristics of the Mortgage Loans (Underlying the Underlying Certificates)" and "Characteristics of the Ginnie Mae Multifamily Certificates and the Related Mortgage Loans" in the Updated Exhibits A in Exhibit B to this Supplement.* Prepayment Penalties received by the Trust will be allocated as described in this Supplement.

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.*

Increased Minimum Denomination Class: Class IO. *See "Description of the Securities — Form of Securities" in this Supplement.*

Interest Rate: Class IO is a Weighted Average Coupon Class that will bear interest during each Accrual Period at a per annum Interest Rate equal to the total interest accrued on the Underlying Certificates for such Accrual Period, multiplied by 12, and divided by the Class Notional Balance of Class IO (before giving effect to any payments on such Distribution Date) for such Accrual Period.

Class IO will bear interest during the initial Accrual Period at the following approximate Interest Rate:

Class	Approximate Initial Interest Rate
IO	0.64362%

Allocation of Prepayment Penalties: On each Distribution Date, the Trustee will pay 100% of any Prepayment Penalties that are collected and passed through to the Trust to Class IO.

Notional Class: The Notional Class will not receive distributions of principal but has a Class Notional Balance for convenience in describing its entitlement to interest. The Class Notional Balance of the Notional Class represents the percentage indicated below of, and reduces to that extent with, the outstanding notional balance of the Trust Assets:

Class	Original Class Notional Balance	Represents
IO	$1,017,108,107	100% of the Trust Assets

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

Regular and Residual Classes: Class RR is a Residual Class and represents the Residual Interest of the Issuing REMIC and the Pooling REMIC. The other Class of REMIC Securities is a Regular Class.

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 amount of interest payments on your securities. The amount of interest payments you will receive 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 will vary. Generally, following any applicable lockout period, and upon payment of any applicable prepayment penalty, borrowers may prepay their mortgage loans at any time. However, borrowers cannot prepay certain mortgage loans insured under FHA insurance program Section 223(f) for a period of five (5) years from the date of endorsement, regardless of any applicable lockout periods associated with such mortgage loans. In addition, in the case of FHA-insured mortgage loans, borrowers may prepay their mortgage loans during a lockout period, or during any statutory prepayment prohibition period or without paying any applicable prepayment penalty with the approval of FHA.

Additionally, in the event a borrower makes a voluntary prepayment in respect of a mortgage loan, the related Ginnie Mae issuer does not have consent rights, put rights or termination rights related to such mortgage loan underlying the related trust assets. The decision to make a voluntary prepayment is entirely within the control of the borrower. Any voluntary prepayment and any subsequent reamortization of the remaining principal balance of a mortgage loan required under the terms of the mortgage loan may adversely affect the amount of interest paid to investors and could reduce the yields on your securities.

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 mortgaged properties 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 payments on your securities.

The terms of the mortgage loans may be modified, among other things, to permit a partial release of the mortgaged property securing the related mortgage loan, to permit a pledge of all or part of such mortgaged property to secure additional debt of the related borrower, to provide for a cross default between the mortgage loan and such additional debt or to provide for additional collateral. 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. Such releases also may reduce the value of the remaining property. Modifications in connection with additional debt could adversely affect the security afforded to the existing mortgage loan by the mortgaged property and, even if the additional debt is subordinated to the existing mortgage loan, increase the likelihood of default on such mortgage loan by the related borrower. The amount of additional debt may exceed the amount of the existing debt secured by the related mortgage loan. Additional debt may include, but is not limited to, mortgage loans originated under FHA insurance program Section 241.

Rates of principal payments can reduce your yield. The yield on your securities probably will be lower than you expect if principal payments on the mortgage loans underlying the related trust assets are faster than you expected.

In addition, 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 the 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.

An investment in the securities is subject to significant reinvestment and extension risk. The rate of 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.

Defaults will increase the rate of prepayment. Lending on multifamily properties and nursing facilities is generally viewed as exposing the lender to a greater risk of loss than single-family lending. If a mortgagor defaults on a mortgage loan and the loan is subsequently foreclosed upon or assigned to FHA for FHA insurance benefits, or Rural Development for Section 538 guarantee benefits, or otherwise liquidated, the effect would be comparable to a prepayment of the mortgage loan; however, no prepayment penalty would be received. Similarly, mortgage loans as to which there is a material breach of a representation may be purchased out of the trust without the payment of a prepayment penalty.

Available information about the mortgage loans is limited. Generally, neither audited financial statements nor recent appraisals are available with respect to the mortgage loans, the mortgaged properties, or the operating revenues, expenses and values of the mortgaged properties. Certain default, delinquency and other information relevant to the likelihood of prepayment of the multifamily mortgage loans underlying the Ginnie Mae multifamily certificates is made generally available to the public and holders of the securities should consult such information. The scope of such information is limited, however, and accordingly, at a time when you might be buying or selling your securities, you may not be aware of matters that, if known, would affect the value of your securities.

FHA has authority to override lockouts and prepayment limitations. FHA insurance and certain mortgage loan and trust provisions may affect lockouts and the right to receive prepayment penalties. FHA may override any lockout, statutory prepayment prohibition or prepayment penalty provision with respect to the FHA-insured mortgage loans consistent with FHA policies and procedures.

With respect to certain mortgage loans insured under Section 223(f) of the Housing Act, under certain circumstances FHA lockout and prepayment limitations may be more stringent than otherwise provided for in the related note or other evidence of indebtedness. In addition to FHA's ability to override lockout or prepayment penalty provisions with respect to the FHA-insured mortgage loans as described above, investors should note that with respect to certain mortgage loans insured under Section 223(f) of the Housing Act, Section 223(f) provides, in relevant part, that the related note or other evidence of indebtedness cannot be prepaid for a period of five (5) years from the date of endorsement, unless prior written approval from FHA is obtained. In many instances with respect to such mortgage loans insured under Section 223(f), the related lender may have provided for a lockout period lasting for a term shorter than five (5) years. Therefore, investors should consider that any prepayment provisions following a lockout period that is shorter than five (5) years may not be effective if FHA approval is not obtained.

Holders entitled to prepayment penalties may not receive them. Prepayment penalties received by the trustee will be distributed to Class IO as further described in this Supplement. Ginnie Mae, however, does not guarantee that mortgagors will in fact pay any prepayment penalties or that such prepayment penalties will be received by the trustee. Accordingly, holders of the class entitled to receive prepayment penalties will receive them only to the extent that the trustee receives them. Moreover, even if the trustee distributes prepayment penalties to the holders of that class, the additional amounts may not offset the reduction in yield caused by the corresponding prepayments.

The rate of payments on the underlying certificates will directly affect the rate of payments on the securities. The notional balance of 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 trust.

Prepayments on the related mortgage loans may have occurred at rates faster or slower than those initially assumed. This supplement contains no information as to whether the underlying certificates have performed as originally anticipated. The Updated Exhibits A in Exhibit B, however, contain certain information regarding the related mortgage loans as of the cut-off date. 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.

The securities may not be a suitable investment for you. The securities are not suitable investments for all investors. Only "accredited investors," as defined in Rule 501(a) of Regulation D of the Securities Act of 1933, who have substantial experience in mortgage-backed securities and are capable of understanding the risks should invest in the securities.

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 Multifamily 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 prepayment rates 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 prepayment rates. 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. As a result, the yields on your securities could be lower than you expected.

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 of the Trust Assets will evidence, indirectly, Ginnie Mae Multifamily Certificates.

The Underlying Certificates

The 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 Multifamily 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. The Underlying Certificate Disclosure Documents 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 the 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 Multifamily Base Offering Circular.*

Each Underlying Certificate provides for monthly distributions, including any prepayments and other unscheduled recoveries, and any Prepayment Penalties on the Mortgage Loans underlying such Underlying Certificate, and is further described in the table contained in Exhibit A to this Supplement.

The Ginnie Mae Multifamily Certificates underlying the Underlying Certificates consist of (i) Ginnie Mae Construction Loan Certificates issued during the construction phase of a multifamily project, which are redeemable for Ginnie Mae Project Loan Certificates (the "Trust CLCs") and (ii) Ginnie Mae Project Loan Certificates deposited into the related Underlying Trust on the related underlying Closing Date or issued upon conversion of a Trust CLC (the "Trust PLCs").

The Trust CLCs (Underlying the Underlying Certificates)

Each Trust CLC is based on and backed by a single Mortgage Loan secured by a multifamily project under construction and insured by FHA pursuant to an FHA Insurance Program described under "THE GINNIE MAE MULTIFAMILY CERTIFICATES — FHA Insurance Programs" in the Multifamily Base Offering Circular. Ginnie Mae Construction Loan Certificates are generally issued monthly by the related Ginnie Mae Issuer as construction progresses on the related multifamily project and as advances are insured by FHA. Prior to the issuance of Ginnie Mae Construction Loan Certificates, the Ginnie Mae Issuer must provide Ginnie Mae with supporting documentation regarding advances and disbursements on the Mortgage Loan and must satisfy the prerequisites for issuance as described in Chapter 32 of the MBS Guide. Each Ginnie Mae Construction Loan Certificate may be redeemed for a pro rata share of a Ginnie Mae Project Loan Certificate that bears the same interest rate as the Ginnie Mae Construction Loan Certificate.

The original maturity of a Ginnie Mae Construction Loan Certificate is at least 200% of the construction period anticipated by FHA for the multifamily project. The stated maturity of the Ginnie Mae Construction Loan Certificates may be extended after issuance at the request of the related Ginnie Mae Issuer with the prior written approval of Ginnie Mae. Prior to approving any extension request, Ginnie Mae requires that the Contracted Security Purchaser, the entity bound under contract with the related Ginnie Mae Issuer to purchase all of the Ginnie Mae Construction Loan Certificates related to a particular multifamily project, consent to the extension of the term to maturity. Each Contracted Security Purchaser of the Trust CLCs and of any previously issued or hereafter existing Ginnie Mae Construction Loan Certificates relating to the Trust CLCs identified in Exhibit B to this Supplement (the "Related CLCs"), has waived its right and the right of all future holders of the Related CLCs, including the related Trustee for the related Underlying Trust, as the assignee of the related Underlying Trust Sponsor's rights in the Trust CLCs, to withhold consent to any extension requests with respect to Trust CLCs or Related CLCs for which it is the Contracted Security Purchaser, provided that the length of the extension does not, in combination with any previously granted extensions related thereto, exceed the term of the underlying Mortgage Loan insured by FHA. The waiver effected by each Contracted Security Purchaser will effectively permit the related Ginnie Mae Issuer to extend the maturity of the Ginnie Mae CLCs in its sole discretion, subject only to the prior written approval of Ginnie Mae.

Each Trust CLC will provide for the payment to the related Underlying Trust of monthly payments of interest equal to a pro rata share of the interest payments on the underlying Mortgage Loan, less applicable servicing and guaranty fees. The related Underlying Trust will not be entitled to receive any payments of principal collected on the related Mortgage Loan as long as the Trust CLC is outstanding. During such period any prepayments and other recoveries of principal (other than proceeds from the liquidation of the Mortgage Loan) or any Prepayment Penalties on the underlying Mortgage Loan received by the Ginnie Mae Issuer will be deposited into a non-interest bearing escrow account (the "P&I Custodial Account"). Any such amounts will be held for distribution to the related Underlying Trust (unless otherwise negotiated between the Ginnie Mae Issuer and the Contracted Security Purchaser) on the earliest of (i) the liquidation of the Mortgage Loan, (ii) at the related Ginnie Mae Issuer's option, either (a) the first Ginnie Mae Certificate Payment Date of the Ginnie Mae Project Loan Certificate following the conversion of the Ginnie Mae Construction Loan Certificate or (b) the date of conversion of the Ginnie Mae Construction Loan Certificate to a Ginnie Mae Project Loan Certificate, and (iii) the applicable Maturity Date. However, the related Underlying Trust will not receive any such amounts until the next Distribution Date and will not be entitled to receive any interest on such amounts, and the related WACR will be reduced accordingly.

At any time following the final endorsement of the underlying Mortgage Loan by FHA, prior to the Maturity Date and upon satisfaction of the prerequisites for conversion outlined in Chapter 32 of the MBS Guide, Ginnie Mae Construction Loan Certificates will be redeemed for Ginnie Mae Project Loan Certificates. The Ginnie Mae Project Loan Certificates will be issued at the identical interest rate as the Ginnie Mae Construction Loan Certificates. The aggregate principal amount of the Ginnie Mae Project Loan Certificates may be less than or equal to the aggregate amount of advances that has been disbursed and insured on the Mortgage Loan underlying the related Ginnie Mae Construction Loan Certificates. Any difference between the principal balance of the Ginnie Mae Construction Loan Certificates and the principal balance of the Ginnie Mae Project Loan Certificates issued at conversion will be disbursed to the holders of the Ginnie Mae Construction Loan Certificates as principal upon conversion.

The Trust PLCs (Underlying the Underlying Certificates)

Each Trust PLC will be based on and backed by one or more multifamily Mortgage Loans with an original term to maturity of generally no more than 40 years.

Each Trust PLC will provide for the payment to the registered holder of that Trust PLC of monthly payments of principal and interest equal to the aggregate amount of the scheduled monthly principal and interest payments on the Mortgage Loans underlying that Trust PLC, less applicable servicing and guaranty fees. In addition, each such payment will include any prepayments and other unscheduled recoveries of principal of, and any Prepayment Penalties on, the underlying Mortgage Loans to the extent received by the Ginnie Mae Issuer during the month preceding the month of the payment.

The Mortgage Loans (Underlying the Underlying Certificates)

Each Ginnie Mae Multifamily Certificate represents a beneficial interest in one or more Mortgage Loans.

Four hundred seventy-four (474) Mortgage Loans will underlie the Underlying Certificate Trust Assets, which as of March 1, 2025 (the "Cut-off Date"), consist of four hundred seventy-three (473) Mortgage Loans that underlie the Trust PLCs (the "Trust PLC Mortgage Loans") and one (1) Mortgage Loan that underlies the Trust CLCs (the "Trust CLC Mortgage Loans").

The Trust PLC Mortgage Loans have an aggregate balance of approximately $1,742,815,099 as of the Cut-off Date, after giving effect to all payments of principal due on or before that date, and the Trust CLC Mortgage Loans have an aggregate balance of approximately $3,701,779 as of the Cut-off Date, after giving effect to all payments of principal due on or before that date.

The Mortgage Loans underlying the Underlying Certificate Trust Assets have, on an individual basis, the characteristics described in the Updated Exhibits A in Exhibit B to this Supplement. They also have the general characteristics described below. The Mortgage Loans consist of first lien and second lien, multifamily, fixed rate mortgage loans that are secured by a lien on the borrower's fee simple estate in a multifamily property consisting of five or more dwelling units or nursing facilities and guaranteed by Section 538 or insured by FHA or coinsured by FHA and the related mortgage lender. *See "The Ginnie Mae Multifamily Certificates — General" in the Multifamily Base Offering Circular.*

FHA Insurance Programs and Section 538 Guarantee Program

FHA multifamily insurance programs generally are designed to assist private and public mortgagors in obtaining financing for the construction, purchase or rehabilitation of multifamily housing pursuant to the National Housing Act of 1934 (the "Housing Act"). Mortgage Loans are provided by FHA-approved institutions, which include mortgage banks, commercial banks, savings and loan associations, trust companies, insurance companies, pension funds, state and local housing finance agencies and certain other approved entities. Mortgage Loans insured under the programs described below will have such maturities and amortization features as FHA may approve, provided that generally the minimum mortgage loan term will be at least ten years and the maximum mortgage loan term will not exceed the lesser of 40 years and 75 percent of the estimated remaining economic life of the improvements on the mortgaged property. Tenant eligibility for FHA-insured projects generally is not restricted by income, except for projects as to which rental subsidies are made available with respect to some or all the units therein or to specified tenants.

For a summary of the various FHA insurance programs and the Section 538 Guaranteed Rural Rental Housing Program ("Section 538 Guarantee Program") under which the Mortgage Loans are insured see "THE GINNIE MAE MULTIFAMILY CERTIFICATES — FHA Insurance Programs" and "— Section 538 Guarantee Program" in the Multifamily Base Offering Circular. To the extent a Mortgage Loan is insured under multiple FHA insurance programs, you should read each applicable FHA insurance program description.

Certain Additional Characteristics of the Mortgage Loans (Underlying the Underlying Certificates)

Mortgage Rates; Calculations of Interest. The Mortgage Loans bear interest at Mortgage Rates that will remain fixed for their remaining terms. All of the Mortgage Loans accrue interest on the basis of a 360-day year consisting of twelve 30-day months. *See "Characteristics of the Ginnie Mae Multifamily Certificates and the Related Mortgage Loans" in the Updated Exhibits A in Exhibit B to this Supplement.*

Due Dates. Monthly payments on the Mortgage Loans are due on the first day of each month.

Amortization. The Trust PLC Mortgage Loans are generally fully-amortizing over their remaining terms to stated maturity. However, certain of the Trust PLC Mortgage Loans amortize based on their contractual payments to stated maturity, at which time the unpaid principal balance plus accrued interest thereon is due.

Each Trust CLC Mortgage Loan has begun to amortize as of the Cut-off Date. However, regardless of the scheduled amortization of the Trust CLC Mortgage Loans, the related Underlying Trust will not be entitled to receive any principal payments with respect to any Trust CLC Mortgage Loans until the earliest of (i) the liquidation of such Mortgage Loans, (ii) at the related Ginnie Mae Issuer's option, either (a) the first Ginnie Mae Certificate Payment Date of the Ginnie Mae Project Loan Certificate following the conversion of the Ginnie Mae Construction Loan Certificate or (b) the date of conversion of the Ginnie Mae Construction Loan Certificate to a Ginnie Mae Project Loan Certificate, and (iii) the applicable Maturity Date. The Ginnie Mae Issuer will deposit any principal payments that it receives in connection with any

Trust CLC into the related P&I Custodial Account. The related Underlying Trust will not be entitled to recover any interest thereon.

Certain of the Mortgage Loans may provide that, if the related borrower makes a partial principal prepayment, such borrower will not be in default if it fails to make any subsequent scheduled payment of principal provided that such borrower continues to pay interest in a timely manner and the unpaid principal balance of such Mortgage Loan at the time of such failure is at or below what it would otherwise be in accordance with its amortization schedule if such partial principal prepayment had not been made. Under certain circumstances, the Mortgage Loans also permit the reamortization thereof if prepayments are received as a result of condemnation or insurance payments with respect to the related Mortgaged Property. Certain Mortgage Loans may require reamortization thereof in connection with certain voluntary prepayments.

Level Payments. Although the Mortgage Loans currently have amortization schedules that provide for level monthly payments, except as otherwise indicated in the Updated Exhibits A in Exhibit B to this Supplement, the amortization schedules of substantially all of the FHA-insured Mortgage Loans are subject to change upon the approval of FHA that may result in non-level payments. *See Exhibit B to this Supplement for certain information regarding the characteristics of the Mortgage Loans underlying the Underlying Trusts.*

Furthermore, in the absence of a change in the amortization schedule of the Mortgage Loans, Mortgage Loans that provide for level monthly payments may still receive non-level payments as a result of the fact that, at any time:

- FHA may permit any FHA-insured Mortgage Loan to be refinanced or prepaid, in whole or in part, without regard to any lockout period, statutory prepayment prohibition period or Prepayment Penalty; and
- condemnation of, or occurrence of a casualty loss on, the Mortgaged Property securing any Mortgage Loan or the acceleration of payments due under any Mortgage Loan by reason of a default may result in prepayment.

"Due-on-Sale" Provisions. The Mortgage Loans do not contain "due-on-sale" clauses restricting sale or other transfer of the related Mortgaged Property. Any transfer of the Mortgaged Property is subject to HUD review and approval under the terms of HUD's Regulatory Agreement with the owner, which is incorporated by reference into the mortgage.

Prepayment Restrictions. None of the Mortgage Loans underlying the Underlying Certificates have remaining lockout periods. Certain of the Mortgage Loans are insured under FHA insurance program Section 223(f) which, with respect to certain mortgage loans insured thereunder, prohibits prepayments for a period of five (5) years from the date of endorsement, regardless of any applicable lockout periods associated with such mortgage loans. See the Updated Exhibits A in Exhibit B for additional information with respect to remaining lockout periods of the Mortgage Loans underlying the Underlying Certificate Trust Assets. The enforceability of these lockout provisions under certain state laws is unclear.

The Mortgage Loans have a period (a "Prepayment Penalty Period") during which voluntary prepayments must be accompanied by a prepayment penalty equal to a specified percentage of the principal amount of the Mortgage Loan being prepaid (each, a "Prepayment Penalty"). Each Prepayment Penalty Period will follow the termination of the applicable lockout period or, if no lockout period applies, the applicable Issue Date. *See "Characteristics of the Ginnie Mae Multifamily Certificates and the Related Mortgage Loans" in the Updated Exhibits A in Exhibit B to this Supplement.*

The Updated Exhibits A in Exhibit B to this Supplement set forth, for each Mortgage Loan, as applicable, a description of the related Prepayment Penalty, the period during which the Prepayment Penalty applies and the first month in which the borrower may prepay the Mortgage Loan.

Notwithstanding the foregoing, FHA guidelines require all of the FHA-insured Mortgage Loans to include a provision that allows FHA to override any lockout and/or Prepayment Penalty provisions in accordance with FHA policies and procedures. Additionally, FHA may permit an FHA-insured Mortgage Loan to be prepaid in whole or in part without regard to any statutory or contractual prepayment prohibition period in accordance with FHA policies and procedures.

Notwithstanding the foregoing, the related Underlying Trust will not be entitled to receive any principal prepayments or any applicable Prepayment Penalties with respect to the Trust CLC Mortgage Loans until the earliest of (i) the liquidation of such Mortgage Loans, (ii) at the related Ginnie Mae Issuer's option, either (a) the first Ginnie Mae Certificate Payment Date of the Ginnie Mae Project Loan Certificate following the conversion of the Ginnie Mae Construction Loan Certificate or (b) the date of conversion of the Ginnie Mae Construction Loan Certificate to a Ginnie Mae Project Loan Certificate, and (iii) the applicable Maturity Date. However, the Holders of the Securities will not receive any such amounts until the next Distribution Date and will not be entitled to receive any interest on such amount, and the related WACR will be reduced accordingly.

Coinsurance. Certain of the Mortgage Loans may be federally insured under FHA coinsurance programs that provide for the retention by the mortgage lender of a portion of the mortgage insurance risk that otherwise would be assumed by FHA under the applicable FHA insurance program. As part of such coinsurance programs, FHA delegates to mortgage lenders approved by FHA for participation in such coinsurance programs certain underwriting functions generally performed by FHA. Accordingly, there can be no assurance that such mortgage loans were underwritten in conformity with FHA underwriting guidelines applicable to mortgage loans that were solely federally insured or that the default risk with respect to coinsured mortgage loans is comparable to that of FHA-insured mortgage loans generally. As a result, there can be no assurance that the likelihood of future default or the rate of prepayment on coinsured Mortgage Loans will be comparable to that of FHA-insured mortgage loans generally.

The Trustee Fee

The Sponsor will contribute certain Ginnie Mae Multifamily 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 Multifamily 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 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 Multifamily Base Offering Circular.* Ginnie Mae does not guarantee the payment of any Prepayment Penalties.

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 Multifamily Base Offering Circular.*

Form of Securities

Class IO initially will be issued and maintained in book-entry form 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 located at U.S. Bank National Association, One Federal Street, 3rd Floor, Boston, MA 02110, Attention: Ginnie Mae REMIC Program Agency 2025-038. *See "Description of the Securities — Forms of Securities; Book-Entry Procedures" in the Multifamily Base Offering Circular.*

The Increased Minimum Denomination Class 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 Multifamily Base Offering Circular, by wire transfer. *See "Description of the Securities — Distributions" and "— Method of Distributions" in the Multifamily 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 on Class IO for any Distribution Date will consist of 30 days' interest on its Class Notional Balance as of the related Record Date.
- Investors can calculate the amount of interest to be distributed on Class IO 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. The abbreviations used in this Supplement to describe the interest entitlements of the Classes are explained under "Class Types" in Appendix I to the Multifamily Base Offering Circular.

Accrual Period

The Accrual Period for the Regular Class is the calendar month preceding the related Distribution Date.

Weighted Average Coupon Class

The Weighted Average Coupon Class will bear interest as shown under "Terms Sheet — Interest Rates" in this Supplement.

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

No Principal Distributions

The Notional Class will not receive principal distributions. For convenience in describing interest distributions, the Notional Class will have the original Class Notional Balance shown on the front cover of this Supplement. The Class Notional Balance will be reduced as shown under "Terms Sheet — Notional Class" in this Supplement.

Prepayment Penalty Distributions

The Trustee will distribute any Prepayment Penalties that are received by the Trust during the related interest Accrual Period as described in "Terms Sheet — Allocation of Prepayment Penalties" in this Supplement.

Residual Securities

The Class RR Securities will represent the beneficial ownership of the Residual Interest in the Issuing REMIC and the beneficial ownership of the Residual Interest in the Pooling REMIC, as described in "Certain United States Federal Income Tax Consequences" in the Multifamily Base Offering Circular. The Class RR Securities have no Class Principal Balance and do not accrue interest. The Class RR Securities will be entitled to receive the proceeds of the disposition of any assets remaining in the Trust REMICs after the Class Notional Balance of Class IO 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 Class IO, no later than the day preceding the Distribution Date, the factor (carried out to eight decimal places) that when multiplied by the original Class Notional Balance of that Class, determines the Class Notional Balance after giving effect to any reduction of Class Notional Balance on that Distribution Date (each, a "Class Factor").

- The Class Factor for Class IO for each month following the issuance of the Securities will reflect its remaining Class Notional Balance after giving effect to any reduction of Class Notional Balance on the Distribution Date occurring in that month.
- The Class Factor for Class IO for the month of issuance is 1.00000000.

- Based on the Class Factors published in the preceding and current months (and Interest Rates), investors in Class IO can calculate the amount of interest to be distributed to 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 Multifamily 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 Class Notional Balance of the Securities is less than 1% of the Original Class Notional Balance of the Securities. The exercise of this option may be influenced by a number of factors, including but not limited to, the value of the Trust Assets then remaining in the Trust and general market conditions. The Trustee will be entitled to retain all proceeds and any other amounts in excess of the termination price payable to the Securities under the Trust Agreement.

On any Distribution Date upon the Trustee's determination that the REMIC status of any Trust REMIC has been lost or that a substantial risk exists that this status will be lost for the then current taxable year, the Trustee will terminate the Trust and retire the Securities.

Upon any termination of the Trust, the Holder of any outstanding Notional Class Security will be entitled to receive that Holder's allocable share of any accrued and unpaid interest thereon at the applicable Interest Rate. The Residual Holders will be entitled to their pro rata share of any assets remaining in the Trust REMICs after payment in full of the amounts described in the foregoing sentence. However, any remaining assets are not likely to be significant.

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 Securities.

- Mortgage Loan principal payments may be in the form of scheduled or unscheduled amortization.
- The terms of each Mortgage Loan provide that, following any applicable lockout period and upon payment of any applicable Prepayment Penalty, the Mortgage Loan may be voluntarily prepaid in whole or in part.
- In addition, in some circumstances FHA may permit an FHA-insured Mortgage Loan to be refinanced or prepaid without regard to any lockout, statutory prepayment prohibition or Prepayment Penalty provisions. See *"Characteristics of the Ginnie Mae Multifamily Certificates and the Related Mortgage Loans" in the Updated Exhibits A in Exhibit B to this Supplement.*
- The condemnation of, or occurrence of a casualty loss on, the Mortgaged Property securing any Mortgage Loan or the acceleration of payments due under the Mortgage Loan by reason of default may also result in a prepayment at any time.

Mortgage Loan prepayment rates are likely to fluctuate over time. No representation is made as to the expected Weighted Average Lives of the Securities or the percentage of the original unpaid principal balance of the Mortgage Loans that will be paid to Holders at any particular time. A number of factors may influence the prepayment rate.

- While some prepayments occur randomly, the payment behavior of the Mortgage Loans may be influenced by a variety of economic, tax, geographic, demographic, legal and other factors.

- These factors may include the age, geographic distribution and payment terms of the Mortgage Loans; remaining depreciable lives of the underlying properties; characteristics of the borrowers; amount of the borrowers' equity; the availability of mortgage financing; in a fluctuating interest rate environment, the difference between the interest rates on the Mortgage Loans and prevailing mortgage interest rates; the extent to which the Mortgage Loans are assumed or refinanced or the underlying properties are sold or conveyed; changes in local industry and population as they affect vacancy rates; population migration; and the attractiveness of other investment alternatives.
- These factors may also include the application of (or override by FHA of) lockout periods, statutory prepayment prohibition periods or the assessment of Prepayment Penalties. *For a more detailed description of the lockout and Prepayment Penalty provisions of the Mortgage Loans, see "Characteristics of the Ginnie Mae Multifamily Certificates and the Related Mortgage Loans" in the Updated Exhibits A in Exhibit B to this Supplement.*

No representation is made concerning the particular effect that any of these or other factors may have on the prepayment behavior of the Mortgage Loans. The relative contribution of these or other factors may vary over time.

Notwithstanding the foregoing, the related Underlying Trust will not be entitled to receive any principal prepayments or any applicable Prepayment Penalties with respect to the Trust CLC Mortgage Loans until the earliest of (i) the liquidation of such Mortgage Loans, (ii) at the related Ginnie Mae Issuer's option, either (a) the first Ginnie Mae Certificate Payment Date of the Ginnie Mae Project Loan Certificate following the conversion of the Ginnie Mae Construction Loan Certificate or (b) the date of conversion of the Ginnie Mae Construction Loan Certificate to a Ginnie Mae Project Loan Certificate, and (iii) the applicable Maturity Date. However, the Holders of the Securities will not receive any such amounts until the next Distribution Date and will not be entitled to receive any interest on such amounts, and the related WACR will be reduced accordingly.

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 Multifamily Certificates.

- As a result, defaults experienced on the Mortgage Loans will accelerate the reduction of the notional balances of the Underlying Certificates and Class IO Securities.
- 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.*

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.

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 Mortgage Loans" in the Multifamily Base Offering Circular.*

Final Distribution Date

The Final Distribution Date for Class IO, which is set forth on the front cover of this Supplement, is the latest date on which the Class Notional Balance will be reduced to zero. The actual retirement of any Class may occur earlier 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 Underlying Certificate Trust Assets have the characteristics shown under "Characteristics of the Ginnie Mae Multifamily Certificates and the Related Mortgage Loans" in the Updated Exhibits A in Exhibit B to this Supplement.

2. There are no voluntary prepayments during any lockout period. With respect to Mortgage Loans insured under FHA insurance program Section 223(f), FHA approves prepayments made by borrowers after any applicable lockout period expires to the extent that any statutory prepayment prohibition period applies.

3. There are no prepayments on any Trust CLC.

4. With respect to each Trust PLC, the Mortgage Loans prepay at 100% PLD (as defined under "— Prepayment Assumptions" in this Supplement) and, beginning on the applicable Lockout End Date or, to the extent that no lockout period applies or the remaining lockout period is 0, the Closing Date, at the constant percentages of CPR (described below) shown in the related table.

5. The Issue Date, Lockout End Date and Prepayment Penalty End Date of each Ginnie Mae Multifamily Certificate is the first day of the month indicated on the Updated Exhibits A in Exhibit B.

6. Distributions on the Securities, including all distributions of prepayments on the Mortgage Loans, are always received on the 16th day of the month, whether or not a Business Day, commencing in April 2025.

7. One hundred percent (100%) of the Prepayment Penalties that are collected in respect of the Trust Assets are received by the Trustee and distributed to Class IO.

8. A termination of the Trust or the Underlying Trusts does not occur.

9. The Closing Date for the Securities is March 28, 2025.

10. 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.

11. Each Trust CLC converts to a Trust PLC on the date on which amortization payments are scheduled to begin on the related Mortgage Loan.

12. Distributions on the Underlying Certificates are made as described in the related Underlying Certificate Disclosure Document.

13. There are no modifications or waivers with respect to any terms including lockout periods and prepayment periods.

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, many Distribution Dates will occur on the first Business Day after the 16th day of the month, prepayments may not occur during the Prepayment Penalty Period, 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, Corrected Certificate Factors, and Calculated Certificate Factors, if applicable, which may not reflect actual receipts on the Trust Assets.

See "Description of the Securities — Distributions" in the Multifamily Base Offering Circular.

Prepayment Assumptions

Prepayments of mortgage loans are commonly measured by a prepayment standard or model. One of the models used in this Supplement is the constant prepayment rate ("CPR") model, which represents an assumed constant rate of voluntary prepayment each month relative to the then outstanding principal balance of the Mortgage Loans underlying any Trust PLC to which the model is applied. *See "Yield, Maturity and Prepayment Considerations — Prepayment Assumption Models" in the Multifamily Base Offering Circular.*

In addition, this Supplement uses another model to measure involuntary prepayments. This model is the Project Loan Default or PLD model provided by the Sponsor. The PLD model represents an assumed rate of involuntary prepayments each month as specified in the table below (the "PLD Model Rates"), in each case expressed as a per annum percentage of the then-outstanding principal balance of each of the Mortgage Loans underlying any Trust PLC in relation to its loan age. For example, 0% PLD represents 0% of such assumed rate of involuntary prepayments; 50% PLD represents 50% of such assumed rate of involuntary prepayments; 100% PLD represents 100% of such assumed rate of involuntary prepayments; and so forth.

The following PLD model table was prepared on the basis of 100% PLD. Ginnie Mae had no part in the development of the PLD model and makes no representation as to the accuracy or reliability of the PLD model.

Project Loan Default

Mortgage Loan Age (in months)(1)	Involuntary Prepayment Default Rate(2)
1-12	1.30%
13-24	2.47
25-36	2.51
37-48	2.20
49-60	2.13
61-72	1.46
73-84	1.26
85-96	0.80
97-108	0.57
109-168	0.50
169-240	0.25
241-maturity	0.00

(1) For purposes of the PLD model, Mortgage Loan Age means the number of months elapsed since the Issue Date indicated on the Updated Exhibits A in Exhibit B to this Supplement. In the case of any Trust CLC Mortgage Loans, the Mortgage Loan Age is the number of months that have elapsed after the expiration of the Remaining Interest Only Period indicated on the Updated Exhibits A in Exhibit B to this Supplement.

(2) Assumes that involuntary prepayments start immediately.

The decrement table set forth below is based on the assumption that the Trust PLC Mortgage Loans prepay at the indicated percentages of CPR (the "CPR Prepayment Assumption Rates") and 100% PLD and that the Trust CLC Mortgage Loans prepay at 0% CPR and 0% PLD until the Trust CLCs convert to Ginnie Mae Project Loan Certificates, after which they prepay at the CPR Prepayment Assumption Rates and 100% PLD. **It is unlikely that the Mortgage Loans will prepay at any of the CPR Prepayment Assumption Rates or PLD Model Rates, and the timing of changes in the rate of prepayments actually experienced on the Mortgage Loans is unlikely to follow the pattern described for the CPR Prepayment Assumption Rates or PLD Model Rates.**

Decrement Table

The decrement table set forth below illustrates the percentage of the original Class Notional Balance that would remain outstanding following the distribution made each specified month for the Regular Class, based on the assumption that the Trust PLC Mortgage Loans prepay at the CPR Prepayment Assumption Rates and 100% PLD and the Trust CLC Mortgage Loans prepay at 0% CPR and 0% PLD until the Trust CLCs convert to Ginnie Mae Project Loan Certificates, after which they prepay at the CPR Prepayment Assumption Rates and 100% PLD. The percentages set forth in the following decrement table have been rounded to the nearest whole percentage (including rounding down to zero).

The decrement table also indicates the Weighted Average Life of Class IO under each CPR Prepayment Assumption Rate and the PLD percentage rates indicated above for the Trust PLC Mortgage Loans and the Trust CLC Mortgage Loans. The Weighted Average Life of Class IO is calculated by:

(a) multiplying the net reduction, if any, of the Class Notional Balance 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 notional balance referred to in clause (a).

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

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

Percentages of Original Class Notional Balances and Weighted Average Lives

	CPR Prepayment Assumption Rates				
	Class IO				
Distribution Date	0%	5%	15%	25%	40%
Initial Percent . . .	100	100	100	100	100
March 2026	97	92	82	72	57
March 2027	93	84	67	51	32
March 2028	90	77	54	37	18
March 2029	87	71	44	26	10
March 2030	84	64	36	19	6
March 2031	81	59	29	13	3
March 2032	78	54	24	10	2
March 2033	75	49	19	7	1
March 2034	72	44	16	5	1
March 2035	68	40	13	4	0
March 2036	65	36	10	3	0
March 2037	62	32	8	2	0
March 2038	59	29	7	1	0
March 2039	55	26	5	1	0
March 2040	52	23	4	1	0
March 2041	48	21	3	0	0
March 2042	45	18	3	0	0
March 2043	41	16	2	0	0
March 2044	38	14	2	0	0
March 2045	34	12	1	0	0
March 2046	31	10	1	0	0
March 2047	27	9	1	0	0
March 2048	24	7	1	0	0
March 2049	20	6	0	0	0
March 2050	17	5	0	0	0
March 2051	14	4	0	0	0
March 2052	11	3	0	0	0
March 2053	9	2	0	0	0
March 2054	7	2	0	0	0
March 2055	5	1	0	0	0
March 2056	4	1	0	0	0
March 2057	3	1	0	0	0
March 2058	2	0	0	0	0
March 2059	1	0	0	0	0
March 2060	1	0	0	0	0
March 2061	0	0	0	0	0
March 2062	0	0	0	0	0
March 2063	0	0	0	0	0
March 2064	0	0	0	0	0
Weighted Average Life (years)	15.5	9.6	4.8	3.0	1.8

Yield Considerations

An investor seeking to maximize yield should make a decision whether to invest in any 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,
- the investor's own projection of the likelihood of extensions of the maturity of any Trust CLC or delays with respect to the conversion of a Trust CLC to a Ginnie Mae Project Loan Certificate and
- the investor's own projection of payment rates on each Underlying Certificate under a variety of scenarios.

No representation is made regarding Mortgage Loan prepayment rates, Underlying Certificate payment rates, the occurrence and duration of extensions, if any, the timing of conversions, if any, 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 Mortgage Loans.

- Because Class IO will be purchased at a premium, faster than anticipated rates of principal payments could result in actual yields to investors that are lower than the anticipated yields.
- Investors in Class IO should also consider the risk that rapid rates of principal payments could result in the failure of investors to recover fully their investments.

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

None of the Mortgage Loans underlying the Underlying Certificates have remaining lockout periods. The Mortgage Loans underlying the Underlying Certificates have a weighted average remaining term to maturity of approximately 327 months. See the Updated Exhibits A in Exhibit B for additional information with respect to remaining lockout periods.

Certain of the Mortgage Loans are insured under FHA insurance program Section 223(f), which, with respect to certain mortgage loans insured thereunder, prohibits prepayments for a period of five (5) years from the date of endorsement, regardless of any applicable lockout periods associated with such mortgage loans.

The Mortgage Loans also provide for payment of a Prepayment Penalty in connection with prepayments for a period extending beyond the lockout period or, if no lockout period applies, the applicable Issue Date. *See "The Trust Assets--Certain Additional Characteristics of the Mortgage Loans (Underlying the Underlying Certificates)" and "Characteristics of the Ginnie Mae Multifamily Certificates and the Related Mortgage Loans" in the Updated Exhibits A in Exhibit B to this Supplement.* The required payment of a Prepayment Penalty may not be a sufficient disincentive to prevent a borrower from voluntarily prepaying a Mortgage Loan.

In addition, in some circumstances FHA may permit an FHA-insured Mortgage Loan to be refinanced or prepaid without regard to any lockout, statutory prepayment prohibition or Prepayment Penalty provisions.

Notwithstanding the foregoing, the related Underlying Trust will not be entitled to receive any principal prepayments or any applicable Prepayment Penalties with respect to the Trust CLC Mortgage Loans until the earliest of (i) the liquidation of such Mortgage Loans, (ii) at the related Ginnie Mae Issuer's option, either (a) the first Ginnie Mae Certificate Payment Date of the Ginnie Mae Project Loan Certificate following the conversion of the Ginnie Mae Construction Loan Certificate or (b) the date of conversion of the Ginnie Mae Construction Loan Certificate to a Ginnie Mae Project Loan Certificate, and (iii) the applicable Maturity Date. However, the Holders of the Securities will not receive any such amounts until the next Distribution Date and will not be entitled to receive any interest on such amounts, and the related WACR will be reduced accordingly.

Information relating to lockout periods, statutory prepayment prohibition periods and Prepayment Penalties is contained under *"Certain Additional Characteristics of the Mortgage Loans (Underlying the Underlying Certificates)" and "Yield, Maturity and Prepayment Considerations" in this Supplement and in the Updated Exhibits A in Exhibit B to 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 interest payments on the Class IO Securities may be lower than the yield on that Class.

The Mortgage Loans will not prepay at any constant rate until maturity, nor will all of the Mortgage Loans 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.

Payment Delay: Effect on Yields of the Delay Class

The effective yield on the Delay Class will be less than the yield otherwise produced by its Interest Rate and purchase price because on any Distribution Date, 30 days' interest will be payable on that Class even though interest began to accrue approximately 46 days earlier.

Yield Table

The following table shows the pre-tax yields to maturity on a corporate bond equivalent basis of Class IO based on the assumption that the Trust PLC Mortgage Loans prepay at the CPR Prepayment Assumption Rates and 100% PLD and the Trust CLC Mortgage Loans prepay at 0% CPR and 0% PLD until the Trust CLCs convert to Ginnie Mae Project Loan Certificates after which they prepay at the CPR Prepayment Assumption Rates and 100% PLD.

The Mortgage Loans will not prepay at any constant rate until maturity. 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 Class IO may differ from those shown in the table below even if Class IO is purchased at the assumed price shown.

The yields were calculated by:

1. determining the monthly discount rates that, when applied to the assumed streams of cash flows to be paid on Class IO, would cause the discounted present value of the assumed streams of cash flows to equal the assumed purchase price of Class IO 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 Class IO when those reinvestment rates are considered.

The information set forth in the following table was prepared on the basis of the Modeling Assumptions and the assumption that the purchase price of Class IO (expressed as a percentage of its original Class Notional Balance) plus accrued interest is as indicated in the table. **The assumed purchase price is not necessarily that at which actual sales will occur.**

Sensitivity of Class IO to Prepayments
Assumed Price 4.15625%*

CPR Prepayment Assumption Rates			
5%	15%	25%	40%
6.8%	(2.4)%	(11.7)%	(25.6)%

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

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 Multifamily Base Offering Circular, describes the material United States federal income tax considerations for investors in the Securities. However, these two tax discussions do not purport to deal with all United States federal tax consequences applicable to all categories of investors, some of which may be subject to special rules.

REMIC Elections

In the opinion of Cleary Gottlieb Steen & Hamilton LLP, the Trust will constitute a Double REMIC Series for United States federal income tax purposes. Separate REMIC elections will be made for the Pooling REMIC and the Issuing REMIC.

Regular Securities

The Regular Securities will be treated as debt instruments issued by the Issuing REMIC for United States federal income tax purposes. Income on the Regular Securities must be reported under an accrual method of accounting.

The Notional Class of Regular Securities will be issued with original issue discount ("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 Multifamily Base Offering Circular.*

The prepayment assumption that should be used in determining the rates of accrual of OID on the Regular Securities is 15% CPR and 100% PLD in the case of the Trust PLC Mortgage Loans and 0% CPR and 0% PLD in the case of the Trust CLC Mortgage Loans until the Trust CLCs convert to Ginnie Mae Project Loan Certificates, after which the prepayment assumption that should be used is 15% CPR and 100% PLD (as described in "Yield, Maturity and Prepayment Considerations" in this Supplement). No representation is made, however, about the rate at which prepayments on the Mortgage Loans underlying the Ginnie Mae Multifamily Certificates actually will occur. *See "Certain United States Federal Income Tax Consequences" in the Multifamily 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 Multifamily 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 Multifamily Base Offering Circular.

Residual Securities

The Class RR Securities will represent the beneficial ownership of the Residual Interest in the Pooling REMIC and the beneficial ownership of the Residual Interest in the Issuing REMIC. The Residual Securities, i.e., the Class RR 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 Multifamily Base Offering Circular, but will not be treated as debt for United States federal income tax purposes. Instead, the Holders of the Residual Securities will be required to report, and will be taxed on, their pro rata shares of the taxable income or loss of the Trust REMICs, and these requirements will continue until there are no outstanding regular interests in the respective Trust REMICs. Thus, Residual Holders will have taxable income attributable to the Residual Securities even though they will not receive principal or interest distributions with respect to the Residual Securities, which could result in a negative after-tax return for the Residual Holders. Even though the Holders of the Residual Securities are not entitled to any stated principal or interest payments on the Residual Securities, the Trust REMICs may have substantial taxable income in certain periods, and offsetting tax losses may not occur until much later periods. Accordingly, the Holders of the Residual Securities may experience substantial adverse tax timing consequences. Prospective investors are urged to consult their own tax advisors and consider the after-tax effect of ownership of the Residual Securities and the suitability of the Residual Securities to their investment objectives.

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

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

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 interest with respect to the Securities. The Ginnie Mae Guaranty is supported by the full faith and credit of the United States of America. Ginnie Mae does not guarantee the payment of any Prepayment Penalties. The Regular 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 Multifamily 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 Multifamily 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 Class 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 March 1, 2025. The Sponsor may effect these transactions by sales to or through certain securities dealers. These dealers may receive compensation in the form of discounts, concessions or commissions from the Sponsor and/or commissions from any purchasers for which they act as agents. Some of the Securities may be sold through dealers in relatively small sales. In the usual case, the commission charged on a relatively small sale of securities will be a higher percentage of the sales price than that charged on a large sale of securities.

INCREASE IN SIZE

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

LEGAL MATTERS

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

Exhibit A

Underlying Certificates

Issuer	Series	Class	Issue Date	CUSIP Number	Interest Rate	Interest Type(1)	Final Distribution Date	Principal Type(1)	Original Notional Balance of Class	Underlying Certificate Factor(2)	Notional Balance in the Trust	Percentage of Class in Trust	Ginnie Mae I or II
Ginnie Mae	2012-083	AI(3)	June 29, 2012	38378BXG9	(4)	WAC/IO/DLY	December 2053	NTL(PT/SEQ)	$309,616,056	0.22816397	$ 21,013,901.64	29.7465193472%	I
Ginnie Mae	2012-120	IO	October 30, 2012	38378BM71	(4)	WAC/IO/DLY	February 2053	NTL(SEQ)	440,000,000	0.18248688	31,205,256.48	38.8636363636	I
Ginnie Mae	2012-135	IO	November 30, 2012	38378BT58	(4)	WAC/IO/DLY	January 2053	NTL(SEQ)	466,000,000	0.25038386	33,288,534.19	28.5300429185	I
Ginnie Mae	2013-057	IO	April 30, 2013	38378KHA0	(4)	WAC/IO/DLY	June 2054	NTL(PT)	281,439,055	0.31519582	23,076,528.02	26.0139112534	I
Ginnie Mae	2013-072	IO	May 30, 2013	38378KQR3	(4)	WAC/IO/DLY	November 2047	NTL(SEQ)	867,126,000	0.13733290	22,218,540.56	18.6577267894	I
Ginnie Mae	2014-106	IO	July 30, 2014	38378XHS3	(4)	WAC/IO/DLY	February 2055	NTL(SEQ)	103,310,000	0.27174756	17,842,284.44	63.5539347595	I
Ginnie Mae	2015-093	IO(3)	June 30, 2015	38379KUR7	(4)	WAC/IO/DLY	November 2054	NTL(PT)	205,934,117	0.18528208	25,871,699.64	67.8052374391	I
Ginnie Mae	2016-071	QI(3)	May 27, 2016	38379UUY0	(4)	WAC/IO/DLY	November 2057	NTL(PT)	680,351,814	0.24298853	165,317,687.17	100.0000000000	I
Ginnie Mae	2017-016	IO	January 30, 2017	38379U4T0	(4)	WAC/IO/DLY	September 2058	NTL(PT)	108,740,257	0.28030834	30,480,800.93	100.0000000000	I
Ginnie Mae	2017-071	IO	May 30, 2017	38379RVQ3	(4)	WAC/IO/DLY	May 2058	NTL(PT)	423,052,656	0.15246131	49,013,742.34	75.9912853496	I
Ginnie Mae	2018-045	IO	March 29, 2018	38380JXG8	(4)	WAC/IO/DLY	March 2059	NTL(PT)	200,212,690	0.53465545	100,094,285.02	93.5069050818	I
Ginnie Mae	2018-087	IO	June 29, 2018	38380J3E6	(4)	WAC/IO/DLY	April 2060	NTL(PT)	120,000,000	0.28130154	33,756,184.80	100.0000000000	I
Ginnie Mae	2018-108	IO	August 30, 2018	38380MCL3	(4)	WAC/IO/DLY	June 2060	NTL(PT)	180,000,000	0.38198231	68,756,815.80	100.0000000000	I
Ginnie Mae	2019-002	IO	January 30, 2019	38380MA68	(4)	WAC/IO/DLY	December 2060	NTL(PT)	210,049,304	0.23811823	38,098,916.80	76.1725923167	I
Ginnie Mae	2019-039	IO	March 29, 2019	38380MV40	(4)	WAC/IO/DLY	November 2061	NTL(PT)	160,000,000	0.29319688	46,911,500.80	100.0000000000	I
Ginnie Mae	2019-080	IO	June 28, 2019	38380NCV9	(4)	WAC/IO/DLY	May 2061	NTL(PT)	95,000,000	0.37334999	35,468,249.05	100.0000000000	I
Ginnie Mae	2019-088	IO	July 30, 2019	38380NGK9	(4)	WAC/IO/DLY	October 2060	NTL(PT)	255,356,934	0.32040113	40,164,503.31	49.0908674522	I
Ginnie Mae	2019-109	IO	September 30, 2019	38380NMG1	(4)	WAC/IO/DLY	April 2060	NTL(PT)	387,527,507	0.46943359	97,420,382.63	53.5516842679	I
Ginnie Mae	2019-130	IA	October 30, 2019	38380NNL9	0.42%	FIX/IO	January 2062	NTL(PT)	140,292,120	0.35898166	50,362,298.12	100.0000000000	I
Ginnie Mae	2019-144	IA	November 29, 2019	38380NSY6	0.40	FIX/IO	January 2062	NTL(PT)	194,053,721	0.44702052	86,745,995.27	100.0000000000	I

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

(2) Underlying Certificate Factors are as of March 2025.

(3) MX Class.

(4) The Interest Rate will be calculated or described under “Terms Sheet — Interest Rates” in the related Underlying Certificate Disclosure Document.

Exhibit B

Updated Exhibits A

Ginnie Mae REMIC Trust 2012-083
Characteristics of the Ginnie Mae Multifamily Certificates and the Related Mortgage Loans(1)

Pool Number	Security Subgroup	Security Type	FHA Insurance Program(2)	City/ County	State	Principal Balance as of the Cut-off Date	Mortgage Interest Rate	Certificate Rate	Servicing and Guaranty Fee Rate	Maturity Date	Monthly Principal and Interest(3)	Original Term to Maturity (mos.)	Remaining Term to Maturity (mos.)	Period from Issuance (mos.)	Issue Date	Lockout End Date(4)†	Prepayment Penalty End Date(5)†	Lockout/ Prepayment Penalty Code(6)	Remaining Lockout Period (mos.)(7)†	Total Remaining Lockout and Prepayment Penalty Period (mos.)(8)†	Remaining Interest Only Period (mos.)(9)
797903	1a	PLC	207/223(f)	Apple Valley	MN	$20,640,290.94	3.080%	2.830%	0.250%	Jun-47	$106,890.21	421	267	154	May-12	Aug-13	Aug-22	B	0	0	0
613115	1a	PLC	232/223(f)	Camarillo	CA	9,300,159.11	3.000	2.750	0.250	Jun-47	47,783.00	421	267	154	May-12	Jul-13	Jul-22	B	0	0	0
739409	1a	PLC	232/223(f)	Mobile	AL	6,318,416.13	3.030	2.730	0.300	May-47	32,645.63	420	266	154	May-12	Jun-13	Jun-22	B	0	0	0
739410	1a	PLC	232/223(f)	Tupelo	MS	5,107,907.63	3.030	2.730	0.300	May-47	26,391.25	420	266	154	May-12	Jun-13	Jun-22	B	0	0	0
739406	1a	PLC	232/223(f)	Eight Mile	AL	4,773,728.73	3.030	2.730	0.300	May-47	24,664.64	420	266	154	May-12	Jun-13	Jun-22	B	0	0	0
793356	1a	PLC	221(d)(4)/223(a)(7)	Frederick	MD	4,080,418.73	2.980	2.730	0.250	May-52	18,274.12	480	326	154	May-12	Jul-13	Jul-22	A	0	0	0
741189	1a	PLC	223(f)/223(a)(7)	Owosso	MI	3,036,865.25	3.090	2.840	0.250	Jun-47	15,742.61	420	267	153	Jun-12	Aug-13	Aug-22	B	0	0	0
739420	1a	PLC	207/223(f)	Salt Lake City	UT	2,619,716.72	3.010	2.680	0.330	Jun-47	13,473.11	421	267	154	May-12	Jul-13	Jul-22	B	0	0	0
739419	1a	PLC	207/223(f)	Magna	UT	1,116,364.81	3.060	2.680	0.380	Jun-47	5,769.91	421	267	154	May-12	Jul-13	Jul-22	B	0	0	0
797891	1b	PLC	223(f)/223(a)(7)	Sparks	NV	7,785,328.15	3.490	3.140	0.350	Jun-47	41,970.69	420	267	153	Jun-12	Aug-13	Aug-22	B	0	0	0
791410	1b	PLC	223(f)/223(a)(7)	Ponca City	OK	1,943,975.94	3.380	2.880	0.500	Jun-42	12,406.35	361	207	154	May-12	Aug-13	Aug-22	B	0	0	0
791407	1b	PLC	207/223(f)	Fort Pierce	FL	1,681,871.82	3.600	3.350	0.250	Jun-47	9,164.16	421	267	154	May-12	Aug-14	Aug-22	C	0	0	0
739407	1b	PLC	207/223(f)	Overland Park	KS	1,187,659.50	3.480	3.100	0.380	May-37	9,989.53	300	146	154	May-12	Jun-13	Jun-22	B	0	0	0
791408	1b	PLC	207/223(f)	Epping	NH	1,052,670.87	3.950	3.700	0.250	Jun-47	5,931.76	421	267	154	May-12	Aug-14	Aug-22	C	0	0	0

(1) Based on publicly available information, including the disclosure documents for the Ginnie Mae Multifamily Certificates, the information with respect to the Mortgage Loans set forth on this Exhibit A has been collected and summarized by the Sponsor. Capitalized terms have the meaning ascribed to them in the Offering Circular Supplement to which this Updated Exhibit A refers.

(2) Certain Mortgage Loans insured under FHA insurance program Section 223(f) cannot be prepaid for a period of five (5) years from the date of endorsement, unless prior written approval from FHA is obtained, regardless of any applicable lockout period associated with such mortgage loans.

(3) The principal and interest amounts shown in this column reflect only those amounts that are due in respect of the portion of each applicable Ginnie Mae Project Loan Certificate that is a Trust PLC.

(4) The Lockout End Date is the first month when a Mortgage Loan is no longer subject to any lockout for voluntary prepayments of principal. For purposes of determining the Lockout End Date in this Exhibit A, the Lockout End Date is based on the lockout period described in the note or other evidence of indebtedness without regard to any applicable statutory prepayment prohibition period.

(5) The Prepayment Penalty End Date is the first month when a Mortgage Loan is no longer subject to the payment of any Prepayment Penalties.

(6) In some circumstances FHA may permit an FHA-insured Mortgage Loan to be refinanced or prepaid without regard to any Lockout or Prepayment Penalty Code.

(7) The Remaining Lockout Period is the number of months from the Cut-off Date up to but not including the Lockout End Date.

(8) The Total Remaining Lockout and Prepayment Penalty Period is the number of months from the Cut-off Date up to but not including the later of the Prepayment Penalty End Date or Lockout End Date.

(9) The Remaining Interest Only Period reflects the number of months remaining before each Ginnie Mae Project Loan Certificate commences monthly payments of principal and interest.

† The Lockout End Date, Prepayment Penalty End Date, Remaining Lockout Period and Total Remaining Lockout and Prepayment Penalty Period are based on the Sponsor's interpretation of provisions in the related notes. Differing interpretations of these provisions can result in dates and periods that may vary by as much as one month.

Lockout and Prepayment Penalty Codes:

For each Lockout and Prepayment Penalty Code listed in the table below, lockout up to but not including the Lockout End Date to the extent applicable; from and including the Lockout End Date or to the extent that the Lockout End Date is N/A, after the Issue Date, the applicable Initial Prepayment Penalty Percentage indicated below will apply to any prepaid amount made during the applicable Initial Prepayment Penalty Percentage Term indicated below, which is the number of mortgage loan payment dates from and including the Lockout End Date or beyond the Issue Date, as applicable; thereafter, the applicable Subsequent Prepayment Penalty Percentages indicated below will apply to any prepaid amount, where each percentage applies for a period of twelve consecutive mortgage loan payment dates up to but not including the applicable Prepayment Penalty End Date.

Lockout/Prepayment Penalty Code	Initial Prepayment Penalty Percentage	Initial Prepayment Penalty Percentage Term	Subsequent Prepayment Penalty Percentage
A	10%	48	5%, 4%, 3%, 2%, 1%
B	9%	12	8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
C	8%	12	7%, 6%, 5%, 4%, 3%, 2%, 1%

Ginnie Mae REMIC Trust 2012-120
Characteristics of the Ginnie Mae Multifamily Certificates and the Related Mortgage Loans(1)

Pool Number	Security Type	FHA Insurance Program/ Section 538 Guarantee Program(2)	City/ County	State	Principal Balance as of the Cut-off Date	Mortgage Interest Rate	Certificate Rate	Servicing and Guaranty Fee Rate	Maturity Date	Monthly Principal and Interest(3)	Original Term to Maturity (mos.)	Remaining Term to Maturity (mos.)	Period from Issuance (mos.)	Issue Date	Lockout End Date(4)†	Prepayment Penalty End Date(5)†	Lockout/ Prepayment Penalty Code(6)	Remaining Lockout Period (mos.)(7)†	Total Remaining Lockout and Prepayment Penalty Period (mos.)(8)†	Remaining Interest Only Period (mos.)(9)
AB2553	PLC	207/223(f)	Littleton	CO	$19,315,938.20	2.650%	2.400%	0.250%	Sep-47	$95,052.21	420	270	150	Sep-12	Nov-13	Nov-22	A	0	0	0
799785	PLC	232/223(a)(7)	Des Plaines	IL	13,810,446.55	2.500	2.250	0.250	Sep-47	66,929.18	420	270	150	Sep-12	Nov-13	Nov-22	B	0	0	0
AB0872	PLC	232/223(a)(7)	Novi	MI	12,813,045.11	2.650	2.400	0.250	Oct-47	62,881.79	420	271	149	Oct-12	Dec-13	Dec-22	A	0	0	0
799787	PLC	232/223(a)(7)	Bloomingdale	IL	11,940,705.68	2.500	2.250	0.250	Sep-52	50,072.54	480	330	150	Sep-12	Nov-13	Nov-22	B	0	0	0
AB7856	PLC	232/223(a)(7)	Canton	IL	10,407,962.00	3.550	3.300	0.250	May-50	52,168.71	451	302	149	Oct-12	Dec-13	Dec-22	B	0	0	0
799786	PLC	232/223(a)(7)	Skokie	IL	8,658,641.49	2.500	2.250	0.250	Mar-49	40,011.11	438	288	150	Sep-12	Nov-13	Nov-22	B	0	0	0
799788	PLC	232/223(a)(7)	Chicago	IL	8,314,306.21	2.500	2.250	0.250	Sep-52	34,865.47	480	330	150	Sep-12	Nov-13	Nov-22	B	0	0	0
795111	PLC	232/223(a)(7)	Athol	MA	7,223,182.70	2.700	2.400	0.300	Sep-47	35,725.53	420	270	150	Sep-12	Nov-13	Nov-18	E	0	0	0
746785	PLC	221(d)(4)	Manassas	VA	6,481,480.78	2.950	2.640	0.310	Aug-54	27,487.20	453	353	100	Nov-16	N/A	Oct-24	C	N/A	0	0
AB7855	PLC	232/223(f)	Appleton	WI	6,477,717.90	2.800	2.550	0.250	Oct-47	32,278.53	421	271	150	Sep-12	Dec-13	Dec-22	B	0	0	0
799784	PLC	232/223(a)(7)	Bloomingdale	IL	2,694,459.28	2.500	2.250	0.250	Dec-47	12,951.18	423	273	150	Sep-12	Nov-13	Nov-22	B	0	0	0
AA1547	PLC	221(d)(4)	St. Charles	MO	2,448,639.81	3.120	2.620	0.500	Oct-38	18,448.96	293	163	130	May-14	Nov-14	Nov-23	A	0	0	0
AA1551	PLC	232/223(f)	Halstead	KS	1,787,310.61	2.520	2.270	0.250	Sep-37	13,902.84	300	150	150	Sep-12	Oct-13	Oct-22	A	0	0	0
741193	PLC	221(d)(4)	Detroit	MI	943,252.80	3.550	3.300	0.250	Jul-53	4,403.32	478	340	138	Sep-13	Sep-14	Sep-23	A	0	0	0
745562	PLC	538	Apollo	PA	814,017.28	3.330	2.200	1.130	Aug-52	3,776.38	479	329	150	Sep-12	Oct-13	Oct-22	A	0	0	0
741195	PLC	221(d)(4)	Kalamazoo	MI	652,960.65	3.550	3.300	0.250	Mar-53	3,069.25	478	336	142	May-13	May-14	May-23	A	0	0	0
767374	PLC	231	Dublin	OH	67,834.97	4.730	4.230	0.500	Mar-53	364.61	472	336	136	Nov-13	Apr-15	Apr-23	D	0	0	0
758177	PLC	221(d)(4)	Greensburg	KY	53,738.55	4.210	3.830	0.380	Mar-53	272.56	477	336	141	Jun-13	Apr-15	Apr-23	D	0	0	0
797645	PLC	221(d)(4)	Dothan	AL	2,295.48	3.000	2.750	0.250	Dec-53	9.94	473	345	128	Jul-14	Feb-15	Feb-24	A	0	0	0

(1) Based on publicly available information, including the disclosure documents for the Ginnie Mae Multifamily Certificates, the information with respect to the Mortgage Loans set forth on this Exhibit A has been collected and summarized by the Sponsor. Capitalized terms have the meaning ascribed to them in the Offering Circular Supplement to which this Updated Exhibit A refers.

(2) Certain Mortgage Loans insured under FHA insurance program Section 223(f) cannot be prepaid for a period of five (5) years from the date of endorsement, unless prior written approval from FHA is obtained, regardless of any applicable lockout period associated with such mortgage loans.

(3) The principal and interest amounts shown in this column reflect only those amounts that are due in respect of the portion of each applicable Ginnie Mae Project Loan Certificate that is a Trust PLC.

(4) The Lockout End Date is the first month when a Mortgage Loan is no longer subject to any lockout for voluntary prepayments of principal. For purposes of determining the Lockout End Date in this Exhibit A, the Lockout End Date is based on the lockout period described in the note or other evidence of indebtedness without regard to any applicable statutory prepayment prohibition period.

(5) The Prepayment Penalty End Date is the first month when a Mortgage Loan is no longer subject to the payment of any Prepayment Penalties.

(6) In some circumstances FHA may permit an FHA-insured Mortgage Loan to be refinanced or prepaid without regard to any Lockout or Prepayment Penalty Code.

(7) The Remaining Lockout Period is the number of months from the Cut-off Date up to but not including the Lockout End Date.

(8) The Total Remaining Lockout and Prepayment Penalty Period is the number of months from the Cut-off Date up to but not including the later of the Prepayment Penalty End Date or Lockout End Date.

(9) The Remaining Interest Only Period reflects the number of months remaining before each Ginnie Mae Project Loan Certificate commences monthly payments of principal and interest.

† The Lockout End Date, Prepayment Penalty End Date, Remaining Lockout Period and Total Remaining Lockout and Prepayment Penalty Period are based on the Sponsor's interpretation of provisions in the related notes. Differing interpretations of these provisions can result in dates and periods that may vary by as much as one month.

Lockout and Prepayment Penalty Codes:

For each Lockout and Prepayment Penalty Code listed in the table below, lockout up to but not including the Lockout End Date to the extent applicable; from and including the Lockout End Date or to the extent that the Lockout End Date is N/A, after the Issue Date, the applicable Initial Prepayment Penalty Percentage indicated below will apply to any prepaid amount made during the applicable Initial Prepayment Penalty Percentage Term indicated below, which is the number of mortgage loan payment dates from and including the Lockout End Date or beyond the Issue Date, as applicable; thereafter, the applicable Subsequent Prepayment Penalty Percentages indicated below will apply to any prepaid amount, where each percentage applies for a period of twelve consecutive mortgage loan payment dates up to but not including the applicable Prepayment Penalty End Date.

Lockout/Prepayment Penalty Code	Initial Prepayment Penalty Percentage	Initial Prepayment Penalty Percentage Term	Subsequent Prepayment Penalty Percentage
A	9%	12	8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
B	9%	48	5%, 4%, 3%, 2%, 1%
C	8%	10	7%, 6%, 5%, 4%, 3%, 2%, 1%
D	8%	12	7%, 6%, 5%, 4%, 3%, 2%, 1%
E	5%	12	4%, 3%, 2%, 1%

Ginnie Mae REMIC Trust 2012-135
Characteristics of the Ginnie Mae Multifamily Certificates and the Related Mortgage Loans(1)

Pool Number	Security Group	Security Type	FHA Insurance Program/ Section 538 Guarantee Program(2)	City/ County	State	Principal Balance as of the Cut-off Date	Mortgage Interest Rate	Certificate Rate	Servicing and Guaranty Fee Rate	Maturity Date	Monthly Principal and Interest(3)	Original Term to Maturity (mos.)	Remaining Term to Maturity (mos.)	Period from Issuance (mos.)	Issue Date	Lockout End Date(4)†	Prepayment Penalty End Date(5)†	Lockout/ Prepayment Penalty Code(6)	Remaining Lockout Period (mos.)(7)†	Total Remaining Lockout and Prepayment Penalty Period (mos.)(8)†	Remaining Interest Only Period (mos.)(9)
AA9239	1	PLC	223(a)(7)	Fultondale	AL	$13,939,234.98	2.680%	2.180%	0.500%	Oct-52	$59,623.41	480	331	149	Oct-12	Nov-13	Nov-22	B	0	0	0
AB5999	1	PLC	223(f)	Lexington Park	MD	10,963,001.85	2.250	2.000	0.250	Oct-47	51,635.49	421	271	150	Sep-12	Nov-13	Nov-22	B	0	0	0
793415	1	PLC	223(f)	West Covina	CA	10,930,842.75	2.190	1.690	0.500	Oct-47	51,164.51	420	271	149	Oct-12	N/A	Nov-22	A	N/A	0	0
745581	1	PLC	232/223(f)	Bellevue	NE	10,563,489.57	2.400	2.100	0.300	Oct-47	50,530.77	420	271	149	Oct-12	Nov-13	Nov-22	B	0	0	0
760535	1	PLC	220/223(a)(7)	Cohoes	NY	9,473,582.44	2.500	2.250	0.250	Aug-52	39,810.83	479	329	150	Sep-12	Sep-13	Sep-22	B	0	0	0
AB2556	1	PLC	223(f)	Cincinnati	OH	9,456,877.57	2.900	2.650	0.250	Sep-47	47,727.34	420	270	150	Sep-12	Oct-13	Oct-22	B	0	0	0
777738	1	PLC	223(a)(7)	St. Louis	MO	7,828,387.80	2.400	2.150	0.250	Sep-52	32,428.59	480	330	150	Sep-12	Oct-13	Oct-22	B	0	0	0
793403	1	PLC	223(f)	Fresno	CA	7,369,661.90	2.480	2.150	0.330	Sep-47	35,642.41	420	270	150	Sep-12	Sep-14	Sep-22	D	0	0	0
793405	1	PLC	223(a)(7)	New Brighton	MN	7,125,528.68	2.520	2.020	0.500	Sep-47	34,602.90	420	270	150	Sep-12	N/A	Oct-22	A	N/A	0	0
750452	1	PLC	223(a)(7)	Houston	TX	6,892,649.52	2.400	2.150	0.250	Oct-52	28,491.43	480	331	149	Oct-12	Nov-13	Nov-22	B	0	0	0
799307	1	PLC	232/223(a)(7)	Fredonia	NY	6,279,065.03	2.550	2.170	0.380	Jun-49	28,954.50	440	291	149	Oct-12	N/A	Nov-22	C	N/A	0	0
791907	1	PLC	223(a)(7)	Stanton	CA	4,256,810.71	2.300	2.050	0.250	Sep-47	20,210.47	421	270	151	Aug-12	Oct-12	Oct-22	C	0	0	0
AA9255	1	PLC	223(a)(7)	Indianapolis	IN	4,178,960.78	2.150	1.900	0.250	Oct-52	16,747.77	480	331	149	Oct-12	Oct-13	Oct-22	B	0	0	0
AA3416	1	PLC	213	Winona	MN	3,631,772.23	2.490	2.240	0.250	Oct-52	15,179.00	480	331	149	Oct-12	N/A	Nov-22	C	N/A	0	0
793419	1	PLC	223(f)	Houston	TX	3,317,559.22	2.420	1.920	0.500	Oct-42	19,320.38	360	211	149	Oct-12	N/A	Nov-22	A	N/A	0	0
AA9252	1	PLC	232/223(a)(7)	New Hartford	NY	3,134,105.89	2.400	2.150	0.250	Jan-41	19,843.71	339	190	149	Oct-12	Nov-13	Nov-22	B	0	0	0
AA7784	1	PLC	223(a)(7)	Minneapolis	MN	2,354,177.13	2.470	2.090	0.380	Oct-51	(10)	468	319	149	Oct-12	Nov-13	Nov-22	B	0	0	0
791448	1	PLC	223(f)	Elgin	SC	2,096,236.54	2.550	2.300	0.250	Oct-47	10,183.03	421	271	150	Sep-12	Dec-13	Dec-22	B	0	0	0
AA3651	1	PLC	232/223(a)(7)	Catonsville	MD	1,717,887.02	2.450	2.195	0.255	Dec-44	9,150.27	386	237	149	Oct-12	Nov-13	Nov-22	B	0	0	0
AA7808	1	PLC	223(a)(7)	Norcross	GA	1,500,793.83	2.850	2.600	0.250	Oct-40	9,948.68	337	187	150	Sep-12	Oct-13	Oct-22	B	0	0	0
AA7783	1	PLC	223(f)	New Richmond	WI	1,327,275.16	2.390	1.970	0.420	Oct-42	7,710.63	360	211	149	Oct-12	Nov-13	Nov-22	B	0	0	0
745575	1	PLC	223(f)	Greenwood	IN	1,326,752.51	2.630	2.250	0.380	Oct-47	6,497.96	420	271	149	Oct-12	Nov-13	Nov-22	B	0	0	0
793406	1	PLC	223(a)(7)	Mankato	MN	1,264,428.70	2.520	2.020	0.500	Sep-37	9,835.54	300	150	150	Sep-12	N/A	Oct-22	A	N/A	0	0
AA3616	1	PLC	538	Kingman	AZ	1,018,748.35	3.240	2.640	0.600	Aug-52	(11)	478	329	149	Oct-12	Sep-13	Sep-22	B	0	0	0
AA3615	1	PLC	538	Kingman	AZ	826,382.51	3.240	2.640	0.600	Aug-52	3,786.48	478	329	149	Oct-12	Sep-13	Sep-22	B	0	0	0
778469	1	PLC	538	Lindsay	CA	816,871.46	3.350	2.750	0.600	Sep-52	3,784.46	479	330	149	Oct-12	Oct-13	Oct-22	B	0	0	0
AB5998	1	PLC	221(d)(4)	Warner Robins	GA	761,787.24	2.550	2.300	0.250	Sep-52	3,214.03	480	330	150	Sep-12	Oct-14	Oct-22	D	0	0	0
AA2218	1	PLC	223(a)(7)	Cleveland	OH	315,570.07	3.750	2.500	1.250	Sep-42	2,051.60	360	210	150	Sep-12	Oct-13	Oct-22	B	0	0	0

(1) Based on publicly available information, including the disclosure documents for the Ginnie Mae Multifamily Certificates, the information with respect to the Mortgage Loans set forth on this Exhibit A has been collected and summarized by the Sponsor. Capitalized terms have the meaning ascribed to them in the Offering Circular Supplement to which this Updated Exhibit A refers.

(2) Certain Mortgage Loans insured under FHA insurance program Section 223(f) cannot be prepaid for a period of five (5) years from the date of endorsement, unless prior written approval from FHA is obtained, regardless of any applicable lockout period associated with such mortgage loans.

(3) The principal and interest amounts shown in this column reflect only those amounts that are due in respect of the portion of each applicable Ginnie Mae Project Loan Certificate that is a Trust PLC.

(4) The Lockout End Date is the first month when a Mortgage Loan is no longer subject to any lockout for voluntary prepayments of principal. For purposes of determining the Lockout End Date in this Exhibit A, the Lockout End Date is based on the lockout period described in the note or other evidence of indebtedness without regard to any applicable statutory prepayment prohibition period.

(5) The Prepayment Penalty End Date is the first month when a Mortgage Loan is no longer subject to the payment of any Prepayment Penalties.

(6) In some circumstances FHA may permit an FHA-insured Mortgage Loan to be refinanced or prepaid without regard to any Lockout or Prepayment Penalty Code.

(7) The Remaining Lockout Period is the number of months from the Cut-off Date up to but not including the Lockout End Date.

(8) The Total Remaining Lockout and Prepayment Penalty Period is the number of months from the Cut-off Date up to but not including the later of the Prepayment Penalty End Date or Lockout End Date.

(9) The Remaining Interest Only Period reflects the number of months remaining before each Ginnie Mae Project Loan Certificate commences monthly payments of principal and interest.

(10) Pool Number AA7784 will have monthly principal and interest payments as described in this Supplement. See “Certain Additional Characteristics of the Mortgage Loans — Level Payments” in this Supplement.

(11) Pool Number AA3616 will have an amortization schedule providing for level monthly principal and interest payments in the amount of $4,667.91 for each payment date prior to the related maturity date, with a balloon payment equal to the remaining unpaid principal balance of the Mortgage Loan plus accrued interest thereon to be due as of its maturity date.

† The Lockout End Date, Prepayment Penalty End Date, Remaining Lockout Period and Total Remaining Lockout and Prepayment Penalty Period are based on the Sponsor’s interpretation of provisions in the related notes. Differing interpretations of these provisions can result in dates and periods that may vary by as much as one month.

Lockout and Prepayment Penalty Codes:

For each Lockout and Prepayment Penalty Code listed in the table below, lockout up to but not including the Lockout End Date to the extent applicable; from and including the Lockout End Date or to the extent that the Lockout End Date is N/A, after the Issue Date, the applicable Initial Prepayment Penalty Percentage indicated below will apply to any prepaid amount made during the applicable Initial Prepayment Penalty Percentage Term indicated below, which is the number of mortgage loan payment dates from and including the Lockout End Date or beyond the Issue Date, as applicable; thereafter, the applicable Subsequent Prepayment Penalty Percentages indicated below will apply to any prepaid amount, where each percentage applies for a period of twelve consecutive mortgage loan payment dates up to but not including the applicable Prepayment Penalty End Date.

Lockout/Prepayment Penalty Code	Initial Prepayment Penalty Percentage	Initial Prepayment Penalty Percentage Term	Subsequent Prepayment Penalty Percentage
A	10%	60	5%, 4%, 3%, 2%, 1%
B	9%	12	8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
C	9%	24	8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
D	8%	12	7%, 6%, 5%, 4%, 3%, 2%, 1%

Ginnie Mae REMIC Trust 2013-057
Characteristics of the Ginnie Mae Multifamily Certificates and the Related Mortgage Loans(1)

Pool Number	Security Type	FHA Insurance Program/ Section 538 Guarantee Program(2)	City/ County	State	Principal Balance as of the Cut-off Date	Mortgage Interest Rate	Certificate Rate	Servicing and Guaranty Fee Rate	Maturity Date	Monthly Principal and Interest(3)	Original Term to Maturity (mos.)	Remaining Term to Maturity (mos.)	Period from Issuance (mos.)	Issue Date	Lockout End Date(4)†	Prepayment Penalty End Date(5)†	Lockout/ Prepayment Penalty Code(6)	Remaining Lockout Period (mos.)(7)†	Total Remaining Lockout and Prepayment Penalty Period (mos.)(8)†	Remaining Interest Only Period (mos.)(9)
AC8883	PLC	207/223(f)	Jersey City	NJ	$18,830,571.25	2.600%	2.350%	0.250%	Mar-48	$90,719.38	420	276	144	Mar-13	May-14	May-23	A	0	0	0
626567	PLC	223(f)/223(a)(7)	Kaukauna	WI	8,396,759.17	2.480	2.230	0.250	Feb-48	40,058.51	420	275	145	Feb-13	Apr-14	Apr-23	A	0	0	0
763944	PLC	223(f)	Auburn Hills	MI	6,050,451.33	2.700	2.450	0.250	Mar-48	29,452.57	421	276	145	Feb-13	May-14	May-23	A	0	0	0
AB8130	PLC	221(d)(4)/223(a)(7)	Wilson	NC	4,907,260.39	2.400	2.150	0.250	Feb-53	20,113.83	480	335	145	Feb-13	Apr-14	Apr-23	A	0	0	0
AC9529	PLC	232/223(a)(7)	Rochester Hills	MI	4,614,059.88	3.190	2.940	0.250	Jan-48	23,731.91	420	274	146	Jan-13	Mar-14	Mar-23	A	0	0	0
AB7159	PLC	207/223(f)	Carmel	IN	4,484,441.22	2.430	2.180	0.250	Mar-48	21,225.26	420	276	144	Mar-13	Mar-14	Mar-23	A	0	0	0
AC5327	PLC	207/223(f)	Waterbury	CT	3,536,341.67	2.600	2.220	0.380	Jan-48	17,127.82	421	274	147	Dec-12	Mar-14	Mar-23	A	0	0	0
AB7160	PLC	223(f)/223(a)(7)	Indianapolis	IN	2,989,627.00	2.430	2.180	0.250	Mar-48	14,150.18	420	276	144	Mar-13	Mar-14	Mar-23	A	0	0	0
AC5345	PLC	221(d)(4)	Smyrna	GA	2,860,125.87	3.100	2.720	0.380	Jun-54	12,403.47	477	351	126	Sep-14	Aug-15	Aug-24	A	0	0	0
AC5350	PLC	207/223(f)	Los Angeles	CA	2,771,771.32	2.690	2.440	0.250	Mar-43	16,202.80	361	216	145	Feb-13	May-14	May-23	A	0	0	0
AA3672	PLC	232/223(f)	Harrisville	PA	2,770,152.44	2.830	2.575	0.255	Jan-43	16,499.64	360	214	146	Jan-13	Mar-14	Mar-23	A	0	0	0
AB6028	PLC	207/223(f)	Batavia	IL	2,240,813.55	2.650	2.400	0.250	Nov-47	10,967.56	420	272	148	Nov-12	Jan-14	Jan-23	A	0	0	0
777903	PLC	221(d)(4)	Michigan City	IN	1,886,249.97	3.250	3.000	0.250	Dec-53	8,420.68	474	345	129	Jun-14	Jan-16	Jan-24	B	0	0	0
AC1379	PLC	207/223(f)	Vernon	CT	1,795,712.25	2.750	2.350	0.400	Jan-48	8,832.48	420	274	146	Jan-13	Feb-14	Feb-23	A	0	0	0
AA1511	PLC	221(d)(4)	Bryan	TX	1,702,959.02	3.200	2.950	0.250	Jan-54	7,542.89	475	346	129	Jun-14	Mar-16	Mar-24	B	0	0	0
AB1220	PLC	207/223(f)	Smyrna	GA	1,689,069.09	2.300	1.970	0.330	Jan-46	8,510.10	396	250	146	Jan-13	Mar-15	Mar-23	B	0	0	0
AA1942	PLC	221(d)(4)/223(a)(7)	Columbus	GA	1,658,193.50	3.380	2.880	0.500	Aug-52	7,737.62	481	329	152	Jul-12	Oct-14	Oct-22	B	0	0	0
AA7711	PLC	232/223(a)(7)	Hingham	MA	1,384,025.19	2.800	2.550	0.250	Jul-44	7,732.09	379	232	147	Dec-12	Mar-14	Mar-23	A	0	0	0
AC5329	PLC	207/223(f)	Waterbury	CT	1,348,604.93	2.600	2.220	0.380	Jan-48	6,531.80	421	274	147	Dec-12	Mar-14	Mar-23	A	0	0	0
AA3632	PLC	538	Blakely	GA	1,303,379.31	3.500	2.900	0.600	Jan-53	6,101.41	479	334	145	Feb-13	Mar-14	Mar-23	A	0	0	0
AA1949	PLC	207/223(f)	Prairie View	TX	1,292,518.12	3.860	3.610	0.250	Jul-47	7,203.96	419	268	151	Aug-12	Sep-14	Sep-22	B	0	0	0
626566	PLC	223(f)	Pittsburg	KS	1,264,542.24	2.430	2.180	0.250	Feb-48	6,001.44	420	275	145	Feb-13	Apr-14	Apr-23	A	0	0	0
768190	PLC	223(f)/223(a)(7)	McAllen	TX	1,091,445.77	2.450	2.200	0.250	Jan-48	5,204.87	421	274	147	Dec-12	Mar-14	Mar-23	A	0	0	0
793869	PLC	207/223(f)	Bryant	AR	1,065,692.44	3.200	2.950	0.250	Jun-47	5,584.59	420	267	153	Jun-12	Aug-14	Aug-22	B	0	0	0
797428	PLC	232/223(f)	Brevard	NC	862,539.00	3.100	2.845	0.255	Jul-42	5,365.46	361	208	153	Jun-12	Sep-14	Sep-22	B	0	0	0
793871	PLC	232/223(f)	North Olmsted	OH	845,137.76	3.250	3.000	0.250	Jun-47	4,450.61	419	267	152	Jul-12	Aug-14	Aug-22	B	0	0	0
AB8133	PLC	231/223(a)(7)	Beatrice	NE	842,747.94	3.000	2.750	0.250	Feb-43	5,071.90	360	215	145	Feb-13	Apr-14	Apr-23	A	0	0	0
AA7733	PLC	207/223(f)	Pearsall	TX	830,264.53	2.350	2.100	0.250	Mar-35	7,770.38	265	120	145	Feb-13	May-14	May-23	A	0	0	0
753635	PLC	221(d)(4)	Atlanta	GA	727,891.98	4.140	3.890	0.250	May-53	3,651.13	475	338	137	Oct-13	Jun-15	Jun-23	B	0	0	0
AB8121	PLC	207/223(f)	Noble	OK	650,196.78	2.990	2.740	0.250	Dec-47	3,285.70	418	273	145	Feb-13	Feb-14	Feb-23	A	0	0	0
AB7157	PLC	221(d)(4)/223(a)(7)	Mooresville	IN	533,288.87	2.250	1.970	0.280	Feb-31	8,029.19	216	71	145	Feb-13	Feb-14	Feb-23	A	0	0	0
AB2598	PLC	232/241(a)	Olathe	CO	433,158.02	3.100	2.850	0.250	Oct-41	2,786.65	326	199	127	Aug-14	May-15	May-24	A	0	0	0
770146	PLC	221(d)(4)	Cleveland	OH	397,513.94	3.850	3.350	0.500	Jun-53	1,925.37	473	339	134	Jan-14	Aug-15	Aug-23	B	0	0	0
AB8120	PLC	221(d)(4)/223(a)(7)	Gibsonville	NC	300,817.16	3.000	2.500	0.500	Nov-42	1,829.76	357	212	145	Feb-13	Jan-14	Jan-23	A	0	0	0
AB7156	PLC	223(f)/223(a)(7)	Mooresville	IN	250,318.23	2.250	1.970	0.280	Feb-28	7,395.91	180	35	145	Feb-13	Feb-14	Feb-23	A	0	0	0
793333	PLC	221(d)(4)	Grenada	MS	109,073.01	3.630	3.250	0.380	Feb-53	518.41	477	335	142	May-13	Dec-14	Dec-22	B	0	0	0

(1) Based on publicly available information, including the disclosure documents for the Ginnie Mae Multifamily Certificates, the information with respect to the Mortgage Loans set forth on this Exhibit A has been collected and summarized by the Sponsor. Capitalized terms have the meaning ascribed to them in the Offering Circular Supplement to which this Updated Exhibit A refers.

(2) Certain Mortgage Loans insured under FHA insurance program Section 223(f) cannot be prepaid for a period of five (5) years from the date of endorsement, unless prior written approval from FHA is obtained, regardless of any applicable lockout period associated with such mortgage loans.

(3) The principal and interest amounts shown in this column reflect only those amounts that are due in respect of the portion of each applicable Ginnie Mae Project Loan Certificate that is a Trust PLC.

(4) The Lockout End Date is the first month when a Mortgage Loan is no longer subject to any lockout for voluntary prepayments of principal. For purposes of determining the Lockout End Date in this Exhibit A, the Lockout End Date is based on the lockout period described in the note or other evidence of indebtedness without regard to any applicable statutory prepayment prohibition period.

(5) The Prepayment Penalty End Date is the first month when a Mortgage Loan is no longer subject to the payment of any Prepayment Penalties.

(6) In some circumstances FHA may permit an FHA-insured Mortgage Loan to be refinanced or prepaid without regard to any Lockout or Prepayment Penalty Code.

(7) The Remaining Lockout Period is the number of months from the Cut-off Date up to but not including the Lockout End Date.

(8) The Total Remaining Lockout and Prepayment Penalty Period is the number of months from the Cut-off Date up to but not including the later of the Prepayment Penalty End Date or Lockout End Date.

(9) The Remaining Interest Only Period reflects the number of months remaining before each Ginnie Mae Project Loan Certificate commences monthly payments of principal and interest.

† The Lockout End Date, Prepayment Penalty End Date, Remaining Lockout Period and Total Remaining Lockout and Prepayment Penalty Period are based on the Sponsor's interpretation of provisions in the related notes. Differing interpretations of these provisions can result in dates and periods that may vary by as much as one month.

Lockout and Prepayment Penalty Codes:

For each Lockout and Prepayment Penalty Code listed in the table below, lockout up to but not including the Lockout End Date to the extent applicable; from and including the Lockout End Date or to the extent that the Lockout End Date is N/A, after the Issue Date, the applicable Initial Prepayment Penalty Percentage indicated below will apply to any prepaid amount made during the applicable Initial Prepayment Penalty Percentage Term indicated below, which is the number of mortgage loan payment dates from and including the Lockout End Date or beyond the Issue Date, as applicable; thereafter, the applicable Subsequent Prepayment Penalty Percentages indicated below will apply to any prepaid amount, where each percentage applies for a period of twelve consecutive mortgage loan payment dates up to but not including the applicable Prepayment Penalty End Date.

Lockout/Prepayment Penalty Code	Initial Prepayment Penalty Percentage	Initial Prepayment Penalty Percentage Term	Subsequent Prepayment Penalty Percentage
A	9%	12	8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
B	8%	12	7%, 6%, 5%, 4%, 3%, 2%, 1%

Ginnie Mae REMIC Trust 2013-072
Characteristics of the Ginnie Mae Multifamily Certificates and the Related Mortgage Loans(1)

Pool Number	Security Type	FHA Insurance Program(2)	City/ County	State	Principal Balance as of the Cut-off Date	Mortgage Interest Rate	Certificate Rate	Servicing and Guaranty Fee Rate	Maturity Date	Monthly Principal and Interest(3)	Original Term to Maturity (mos.)	Remaining Term to Maturity (mos.)	Period from Issuance (mos.)	Issue Date	Lockout End Date(4)†	Prepayment Penalty End Date(5)†	Lockout/ Prepayment Penalty Code(6)	Remaining Lockout Period (mos.)(7)†	Total Remaining Lockout and Prepayment Penalty Period (mos.)(8)†
AC8870	PLC	221(d)(4)/223(a)(7)	Cleveland	OH	$22,549,440.53	3.270%	3.020%	0.250%	Nov-50	$108,278.24	453	308	145	Feb-13	N/A	Mar-23	D	N/A	0
AD1141	PLC	207/223(f)	San Diego	CA	12,315,372.21	2.650	2.400	0.250	Jan-48	59,956.01	420	274	146	Jan-13	N/A	Feb-23	A	N/A	0
AC8893	PLC	221(d)(4)/223(a)(7)	Alexandria	LA	12,088,358.38	2.450	2.200	0.250	Mar-53	49,752.71	479	336	143	Apr-13	N/A	Apr-23	C	N/A	0
AC8901	PLC	223(f)/223(a)(7)	Santa Ana	CA	8,268,283.89	2.500	2.250	0.250	Apr-48	39,316.25	420	277	143	Apr-13	N/A	May-23	D	N/A	0
AB7128	PLC	223(f)/223(a)(7)	Fishers	IN	7,731,698.73	2.840	2.430	0.410	Dec-47	38,481.21	420	273	147	Dec-12	Dec-13	Dec-22	F	0	0
AB7136	PLC	220/223(f)	South Bend	IN	7,510,989.27	2.750	2.500	0.250	Jan-48	36,943.91	421	274	147	Dec-12	N/A	Jan-18	B	N/A	0
AC8885	PLC	223(f)/223(a)(7)	Hazelwood	MO	6,796,095.14	3.320	3.070	0.250	Mar-48	35,242.23	419	276	143	Apr-13	N/A	Apr-23	C	N/A	0
AC1395	PLC	207/223(f)	San Diego	CA	6,243,518.16	2.650	2.330	0.320	Jan-48	30,395.87	420	274	146	Jan-13	N/A	Feb-23	A	N/A	0
AB7125	PLC	223(f)/223(a)(7)	Indianapolis	IN	6,232,950.70	2.840	2.430	0.410	Dec-47	31,021.83	420	273	147	Dec-12	Dec-13	Dec-22	F	0	0
AA8537	PLC	221(d)(4)/223(a)(7)	San Antonio	TX	5,554,324.79	2.745	2.375	0.370	Feb-53	23,754.43	481	335	146	Jan-13	Mar-14	Mar-23	F	0	0
AB8084	PLC	207/223(f)	Burien	WA	5,098,478.21	3.050	2.800	0.250	Jan-46	27,579.88	396	250	146	Jan-13	Feb-14	Feb-23	F	0	0
AC8892	PLC	213/223(a)(7)	Duluth	MN	5,033,652.44	3.810	3.310	0.500	Mar-52	24,895.95	468	324	144	Mar-13	N/A	Apr-23	D	N/A	0
AC6810	PLC	207/223(f)	Indianapolis	IN	4,436,288.69	2.830	2.580	0.250	May-48	21,774.69	421	278	143	Apr-13	May-14	May-23	F	0	0
AC8884	PLC	231/223(a)(7)	Charlottesville	VA	4,043,710.91	2.890	2.640	0.250	Mar-53	17,567.53	480	336	144	Mar-13	N/A	Apr-22	E	N/A	0
AC8874	PLC	213/223(a)(7)	Cambridge	MN	4,015,658.92	3.180	2.680	0.500	Feb-53	18,099.76	480	335	145	Feb-13	N/A	Mar-23	D	N/A	0
AC0907	PLC	207/223(f)	Flourtown	PA	3,932,456.60	3.390	3.060	0.330	Apr-43	24,265.31	360	217	143	Apr-13	N/A	May-23	A	N/A	0
AC3645	PLC	221(d)(4)/223(a)(7)	Marion	OH	3,878,436.96	2.750	2.250	0.500	Mar-48	18,977.31	420	276	144	Mar-13	N/A	Apr-23	A	N/A	0
AC1397	PLC	207/223(f)	San Diego	CA	3,815,962.98	2.650	2.280	0.370	Jan-48	18,577.59	420	274	146	Jan-13	N/A	Feb-23	A	N/A	0
AC9549	PLC	223(f)/223(a)(7)	Lincoln Park	MI	3,666,850.92	2.850	2.600	0.250	Nov-46	18,919.19	405	260	145	Feb-13	Mar-14	Mar-23	F	0	0
AB3721	PLC	207/223(f)	Summit Township	MI	3,260,649.90	3.100	2.850	0.250	May-48	(9)	421	278	143	Apr-13	Jun-13	Jun-23	A	0	0
AC8869	PLC	231/223(a)(7)	Dundalk	MD	3,174,548.56	2.760	2.510	0.250	Feb-53	13,601.61	480	335	145	Feb-13	N/A	Mar-23	D	N/A	0
AD1147	PLC	207/223(f)	Athens	TN	2,460,658.94	2.750	2.500	0.250	Mar-48	12,040.07	420	276	144	Mar-13	Apr-14	Apr-23	F	0	0
AC0908	PLC	232/223(f)	Hamilton	OH	2,382,986.41	3.370	3.040	0.330	Apr-43	14,680.34	360	217	143	Apr-13	Jun-13	Jun-23	A	0	0
750465	PLC	223(f)	Daniel Island	SC	2,200,828.55	2.450	2.200	0.250	Apr-48	10,410.44	420	277	143	Apr-13	May-14	May-23	F	0	0
AB7174	PLC	207/223(f)	Bluffton	SC	2,005,346.19	3.130	2.840	0.290	Apr-48	10,176.08	420	277	143	Apr-13	N/A	Apr-23	G	N/A	0
AC0892	PLC	232/223(f)	Yakima	WA	1,799,831.89	2.800	2.470	0.330	Mar-43	10,617.51	361	216	145	Feb-13	Apr-14	Apr-23	F	0	0
795000	PLC	207/223(a)(7)	Southgate	MI	1,746,496.13	2.940	2.560	0.380	Feb-43	10,459.37	361	215	146	Jan-13	Mar-14	Mar-23	F	0	0
AC7096	PLC	207/223(f)/223(a)(7)	Coon Rapids	MN	1,297,534.97	2.700	2.400	0.300	Sep-39	9,020.10	318	174	144	Mar-13	Apr-14	Apr-23	F	0	0
AC7448	PLC	207/223(a)(7)	Marianna	AR	1,093,901.32	2.530	2.280	0.250	Apr-43	6,287.02	360	217	143	Apr-13	May-14	May-23	F	0	0
AC8916	PLC	221(d)(4)/223(a)(7)	McCrory	AR	844,664.78	3.000	2.500	0.500	Apr-35	8,098.33	264	121	143	Apr-13	N/A	May-23	D	N/A	0
AB3715	PLC	221(d)(4)/223(a)(7)	Flint	MI	629,289.49	3.500	3.000	0.500	Apr-43	3,917.91	360	217	143	Apr-13	N/A	May-23	A	N/A	0

(1) Based on publicly available information, including the disclosure documents for the Ginnie Mae Multifamily Certificates, the information with respect to the Mortgage Loans set forth on this Exhibit A has been collected and summarized by the Sponsor. Capitalized terms have the meaning ascribed to them in the Offering Circular Supplement to which this Updated Exhibit A refers.

(2) Certain Mortgage Loans insured under FHA insurance program Section 223(f) cannot be prepaid for a period of five (5) years from the date of endorsement, unless prior written approval from FHA is obtained, regardless of any applicable lockout period associated with such mortgage loans.

(3) The principal and interest amounts shown in this column reflect only those amounts that are due in respect of the portion of each applicable Ginnie Mae Project Loan Certificate that is a Trust PLC.

(4) The Lockout End Date is the first month when a Mortgage Loan is no longer subject to any lockout for voluntary prepayments of principal. For purposes of determining the Lockout End Date in this Exhibit A, the Lockout End Date is based on the lockout period described in the note or other evidence of indebtedness without regard to any applicable statutory prepayment prohibition period.

(5) The Prepayment Penalty End Date is the first month when a Mortgage Loan is no longer subject to the payment of any Prepayment Penalties.

(6) In some circumstances FHA may permit an FHA-insured Mortgage Loan to be refinanced or prepaid without regard to any Lockout or Prepayment Penalty Code.

(7) The Remaining Lockout Period is the number of months from the Cut-off Date up to but not including the Lockout End Date.

(8) The Total Remaining Lockout and Prepayment Penalty Period is the number of months from the Cut-off Date up to but not including the later of the Prepayment Penalty End Date or Lockout End Date.

(9) Pool Number AB3721 will have monthly principal and interest payments as described in this Supplement. See "Certain Additional Characteristics of the Mortgage Loans — Level Payments" in this Supplement.

† The Lockout End Date, Prepayment Penalty End Date, Remaining Lockout Period and Total Remaining Lockout and Prepayment Penalty Period are based on the Sponsor's interpretation of provisions in the related notes. Differing interpretations of these provisions can result in dates and periods that may vary by as much as one month.

Lockout and Prepayment Penalty Codes:

For each Lockout and Prepayment Penalty Code listed in the table below, lockout up to but not including the Lockout End Date to the extent applicable; from and including the Lockout End Date or to the extent that the Lockout End Date is N/A, after the Issue Date, the applicable Initial Prepayment Penalty Percentage indicated below will apply to any prepaid amount made during the applicable Initial Prepayment Penalty Percentage Term indicated below, which is the number of mortgage loan payment dates from and including the Lockout End Date or beyond the Issue Date, as applicable; thereafter, the applicable Subsequent Prepayment Penalty Percentages indicated below will apply to any prepaid amount, where each percentage applies for a period of twelve consecutive mortgage loan payment dates up to but not including the applicable Prepayment Penalty End Date.

Lockout/Prepayment Penalty Code	Initial Prepayment Penalty Percentage	Initial Prepayment Penalty Percentage Term	Subsequent Prepayment Penalty Percentage
A	10%	12	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
B	10%	12	9%, 8%, 7%, 6%
C	10%	59	5%, 4%, 3%, 2%, 1%
D	10%	60	5%, 4%, 3%, 2%, 1%
E	10%	60	5%, 4%, 3%, 2%
F	9%	12	8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%

For Lockout/Prepayment Penalty Code G, a lockout up to but not including the Lockout End Date; thereafter a Prepayment Penalty of 10% of the prepaid amount up to the twelfth mortgage loan payment date; thereafter declining by 1% annually up to but not including the Prepayment Penalty End Date.

Ginnie Mae REMIC Trust 2014-106
Characteristics of the Ginnie Mae Multifamily Certificates and the Related Mortgage Loans(1)

Pool Number	Security Type	FHA Insurance Program(2)	City/ County	State	Principal Balance as of the Cut-off Date	Mortgage Interest Rate	Certificate Rate	Servicing and Guaranty Fee Rate	Maturity Date	Monthly Principal and Interest(3)	Original Term to Maturity (mos.)	Remaining Term to Maturity (mos.)	Period from Issuance (mos.)	Issue Date	Lockout End Date(4)†	Prepayment Penalty End Date(5)†	Lockout/ Prepayment Penalty Code(6)	Remaining Lockout Period (mos.)(7)†	Total Remaining Lockout and Prepayment Penalty Period (mos.)(8)†	Remaining Interest Only Period (mos.)(9)
AG4925	PLC	207/223(f)	Oak Creek	WI	$4,116,607.15	3.830%	3.560%	0.270%	May-49	$21,784.95	420	290	130	May-14	N/A	Jun-24	A	N/A	0	0
AE0797	PLC	207/223(f)	Sussex	WI	3,964,140.96	3.830	3.560	0.270	May-49	20,978.10	420	290	130	May-14	N/A	Jun-24	A	N/A	0	0
AE0804	PLC	207/223(f)	Glendale	WI	3,354,272.46	3.830	3.560	0.270	May-49	17,750.70	420	290	130	May-14	N/A	Jun-24	A	N/A	0	0
AI1887	PLC	232/223(f)	Demotte	IN	3,190,542.02	3.960	3.660	0.300	May-49	17,110.21	420	290	130	May-14	Jul-14	Jul-24	A	0	0	0
AG7498	PLC	207/223(f)	Taunton	MA	3,188,303.25	4.000	3.700	0.300	Apr-49	17,203.31	420	289	131	Apr-14	N/A	Jun-24	B	N/A	0	0
AI1899	PLC	232/223(f)	Delta	CO	2,565,305.48	4.110	3.810	0.300	May-49	13,968.48	420	290	130	May-14	Jul-14	Jul-24	A	0	0	0
AE0802	PLC	207/223(f)	Village of Grafton	WI	2,083,715.49	3.830	3.560	0.270	May-49	11,026.95	420	290	130	May-14	N/A	Jun-24	A	N/A	0	0
AG5032	PLC	207/223(f)	Plymouth	MN	2,034,293.28	3.850	3.600	0.250	May-49	10,787.51	420	290	130	May-14	N/A	Jul-24	B	N/A	0	0
AG4926	PLC	207/223(f)	Chicago	IL	1,382,207.65	3.840	3.560	0.280	May-49	7,322.10	420	290	130	May-14	N/A	Jul-24	B	N/A	0	0
AE0779	PLC	207/223(f)	Milwaukee	WI	1,002,652.17	4.000	3.750	0.250	Mar-49	5,421.24	421	288	133	Feb-14	N/A	Apr-24	B	N/A	0	0
AG7504	PLC	207/223(f)	Washington	DC	683,002.59	3.990	3.740	0.250	Sep-45	4,069.39	377	246	131	Apr-14	Jun-14	Jun-24	A	0	0	0
AE0795	PLC	207/223(f)	Watertown	WI	640,045.04	4.050	3.800	0.250	May-49	3,464.00	421	290	131	Apr-14	N/A	Jun-19	C	N/A	0	0
AA7753	PLC	232	Richmond	TX	494,155.60	3.230	2.980	0.250	Oct-54	2,163.11	463	355	108	Mar-16	N/A	Dec-24	D	N/A	0	0
AD5079	PLC	207/223(f)	El Cajon	CA	447,293.43	3.940	3.690	0.250	Jun-49	2,388.93	420	291	129	Jun-14	Aug-14	Aug-24	A	0	0	0
AI1901	PLC	232/223(f)	Northglenn	CO	256,530.33	4.110	3.810	0.300	May-49	1,396.85	420	290	130	May-14	Jul-14	Jul-24	A	0	0	0
AE0805	PLC	207/223(f)	Milwaukee	WI	254,111.33	3.830	3.560	0.270	May-49	1,344.75	420	290	130	May-14	N/A	Jun-24	A	N/A	0	0
AI1868	PLC	232/223(f)	Madras	OR	64,046.04	4.130	3.800	0.330	Apr-49	350.15	420	289	131	Apr-14	Jun-14	Jun-24	A	0	0	0

(1) Based on publicly available information, including the disclosure documents for the Ginnie Mae Multifamily Certificates, the information with respect to the Mortgage Loans set forth on this Exhibit A has been collected and summarized by the Sponsor. Capitalized terms have the meaning ascribed to them in the Offering Circular Supplement to which this Updated Exhibit A refers.

(2) Certain Mortgage Loans insured under FHA insurance program Section 223(f) cannot be prepaid for a period of five (5) years from the date of endorsement, unless prior written approval from FHA is obtained, regardless of any applicable lockout period associated with such mortgage loans.

(3) The principal and interest amounts shown in this column reflect only those amounts that are due in respect of the portion of each applicable Ginnie Mae Project Loan Certificate that is a Trust PLC.

(4) The Lockout End Date is the first month when a Mortgage Loan is no longer subject to any lockout for voluntary prepayments of principal. For purposes of determining the Lockout End Date in this Exhibit A, the Lockout End Date is based on the lockout period described in the note or other evidence of indebtedness without regard to any applicable statutory prepayment prohibition period.

(5) The Prepayment Penalty End Date is the first month when a Mortgage Loan is no longer subject to the payment of any Prepayment Penalties.

(6) In some circumstances FHA may permit an FHA-insured Mortgage Loan to be refinanced or prepaid without regard to any Lockout or Prepayment Penalty Code.

(7) The Remaining Lockout Period is the number of months from the Cut-off Date up to but not including the Lockout End Date.

(8) The Total Remaining Lockout and Prepayment Penalty Period is the number of months from the Cut-off Date up to but not including the later of the Prepayment Penalty End Date or Lockout End Date.

(9) The Remaining Interest Only Period reflects the number of months remaining before each Ginnie Mae Project Loan Certificate commences monthly payments of principal and interest.

† The Lockout End Date, Prepayment Penalty End Date, Remaining Lockout Period and Total Remaining Lockout and Prepayment Penalty Period are based on the Sponsor's interpretation of provisions in the related notes. Differing interpretations of these provisions can result in dates and periods that may vary by as much as one month.

Lockout and Prepayment Penalty Codes:

For each Lockout and Prepayment Penalty Code listed in the table below, lockout up to but not including the Lockout End Date to the extent applicable; from and including the Lockout End Date or to the extent that the Lockout End Date is N/A, after the Issue Date, the applicable Initial Prepayment Penalty Percentage indicated below will apply to any prepaid amount made during the applicable Initial Prepayment Penalty Percentage Term indicated below, which is the number of mortgage loan payment dates from and including the Lockout End Date or beyond the Issue Date, as applicable; thereafter, the applicable Subsequent Prepayment Penalty Percentages indicated below will apply to any prepaid amount, where each percentage applies for a period of twelve consecutive mortgage loan payment dates up to but not including the applicable Prepayment Penalty End Date.

Lockout/Prepayment Penalty Code	Initial Prepayment Penalty Percentage	Initial Prepayment Penalty Percentage Term	Subsequent Prepayment Penalty Percentage
A	10%	12	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
B	10%	13	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
C	10%	13	9%, 8%, 7%, 6%
D	9%	8	8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%

Ginnie Mae REMIC Trust 2015-093
Characteristics of the Ginnie Mae Multifamily Certificates and the Related Mortgage Loans(1)

Pool Number	Security Group	Security Type	FHA Insurance Program(2)	City/ County	State	Principal Balance as of the Cut-off Date	Mortgage Interest Rate	Certificate Rate	Servicing and Guaranty Fee Rate	Maturity Date	Monthly Principal and Interest(3)	Original Term to Maturity (mos.)	Remaining Term to Maturity (mos.)	Period from Issuance (mos.)	Issue Date	Lockout End Date(4)†	Prepayment Penalty End Date(5)†	Lockout/ Prepayment Penalty Code(6)	Remaining Lockout Period (mos.)(7)†	Total Remaining Lockout and Prepayment Penalty Period (mos.)(8)†
AL3282	1	PLC	232/223(f)	West Babylon	NY	$21,478,115.60	3.450%	3.200%	0.250%	Apr-50	$106,725.47	421	301	120	Mar-15	May-15	May-25	B	0	1
AM0919	1	PLC	232/223(f)	Fishers	IN	6,913,536.47	3.190	2.890	0.300	May-50	33,327.12	420	302	118	May-15	N/A	Jun-25	B	N/A	2
AM2522	1	PLC	232/223(f)	Puyallup	WA	4,619,943.10	3.000	2.750	0.250	May-30	80,532.18	181	62	119	Apr-15	Jun-15	Jun-25	B	0	2
AK1812	1	PLC	223(f)/223(a)(7)	Van Nuys	CA	2,912,286.70	2.690	2.440	0.250	Apr-50	13,314.32	419	301	118	May-15	N/A	May-25	A	N/A	1
AM3639	1	PLC	223(f)/223(a)(7)	Los Angeles	CA	2,097,626.74	2.690	2.440	0.250	May-50	9,567.64	420	302	118	May-15	N/A	Jun-25	B	N/A	2
AL7141	1	PLC	232/223(f)	Vancouver	WA	1,987,968.32	3.550	3.200	0.350	Jun-50	9,944.09	421	303	118	May-15	Jul-15	Jul-25	B	0	3
AM7144	1	PLC	232/223(f)	Spartanburg	SC	1,721,304.55	3.950	3.700	0.250	Aug-43	10,974.43	339	221	118	May-15	N/A	Jun-25	B	N/A	2
AM3638	1	PLC	223(f)/223(a)(7)	Fontana	CA	1,490,415.33	2.690	2.440	0.250	May-50	6,798.04	420	302	118	May-15	N/A	Jun-25	B	N/A	2
AK8190	1	PLC	207/223(f)	Alexandria	MN	1,375,693.14	3.670	3.420	0.250	Jan-44	8,440.17	344	226	118	May-15	N/A	Jun-25	B	N/A	2
AL2655	1	PLC	207/223(f)	Elk Grove Village	IL	1,234,212.63	3.400	3.150	0.250	Mar-50	6,112.77	421	300	121	Feb-15	N/A	Apr-25	C	N/A	0
AK8191	1	PLC	207/223(f)	Chisago City	MN	954,828.76	3.670	3.420	0.250	Feb-44	5,840.16	345	227	118	May-15	N/A	Jun-25	B	N/A	2
AI8820	1	PLC	207/223(f)	Clinton	MA	826,215.36	3.650	3.400	0.250	Jan-50	4,220.28	421	298	123	Dec-14	N/A	Feb-25	C	N/A	0
AK0969	1	PLC	223(f)	Willoughby Hills	OH	818,404.75	3.430	3.050	0.380	Dec-49	4,092.45	420	297	123	Dec-14	N/A	Jan-25	B	N/A	0
AL9694	1	PLC	221(d)(4)	Minneapolis	MN	809,877.75	2.980	2.730	0.250	Aug-44	(9)	352	233	119	Apr-15	N/A	May-25	B	N/A	1
AK4279	1	PLC	207/223(f)	Spokane Valley	WA	716,079.02	4.320	3.820	0.500	Feb-41	5,191.10	310	191	119	Apr-15	N/A	May-25	B	N/A	1
AE2130	1	PLC	223(f)	Willoughby	OH	613,803.59	3.430	3.050	0.380	Dec-49	3,069.34	420	297	123	Dec-14	N/A	Jan-25	B	N/A	0
AK1817	1	PLC	223(f)	Albany	NY	512,398.70	3.600	3.220	0.380	Nov-32	6,381.76	212	92	120	Mar-15	N/A	Apr-25	B	N/A	0
AI9551	1	PLC	207/223(f)	Leesville	LA	414,780.39	3.960	3.580	0.380	Oct-49	2,201.89	420	295	125	Oct-14	N/A	Nov-24	B	N/A	0
AK1823	1	PLC	232/223(f)	Plano	TX	266,507.00	3.750	3.500	0.250	Sep-30	4,474.99	187	66	121	Feb-15	N/A	Mar-21	D	N/A	0
AK0928	1	PLC	232/223(f)	Colville	WA	222,073.99	3.670	3.420	0.250	May-31	3,357.95	199	74	125	Oct-14	N/A	Nov-24	B	N/A	0
AE9335	1	PLC	221(d)(4)/223(a)(7)	DeSoto	MO	197,692.16	3.200	2.950	0.250	Aug-29	4,004.80	174	53	121	Feb-15	N/A	Mar-25	B	N/A	0
AJ6574	1	PLC	207/223(f)	Peru	IN	55,175.46	3.400	3.150	0.250	Oct-27	1,861.67	152	31	121	Feb-15	N/A	Mar-25	B	N/A	0

(1) Based on publicly available information, including the disclosure documents for the Ginnie Mae Multifamily Certificates, the information with respect to the Mortgage Loans set forth on this Exhibit A has been collected and summarized by the Sponsor. Capitalized terms have the meaning ascribed to them in the Offering Circular Supplement to which this Updated Exhibit A refers.

(2) Certain Mortgage Loans insured under FHA insurance program Section 223(f) cannot be prepaid for a period of five (5) years from the date of endorsement, unless prior written approval from FHA is obtained, regardless of any applicable lockout period associated with such mortgage loans.

(3) The principal and interest amounts shown in this column reflect only those amounts that are due in respect of the portion of each applicable Ginnie Mae Project Loan Certificate that is a Trust PLC.

(4) The Lockout End Date is the first month when a Mortgage Loan is no longer subject to any lockout for voluntary prepayments of principal. For purposes of determining the Lockout End Date in this Exhibit A, the Lockout End Date is based on the lockout period described in the note or other evidence of indebtedness without regard to any applicable statutory prepayment prohibition period.

(5) The Prepayment Penalty End Date is the first month when a Mortgage Loan is no longer subject to the payment of any Prepayment Penalties.

(6) In some circumstances FHA may permit an FHA-insured Mortgage Loan to be refinanced or prepaid without regard to any Lockout or Prepayment Penalty Code.

(7) The Remaining Lockout Period is the number of months from the Cut-off Date up to but not including the Lockout End Date.

(8) The Total Remaining Lockout and Prepayment Penalty Period is the number of months from the Cut-off Date up to but not including the later of the Prepayment Penalty End Date or Lockout End Date.

(9) Pool Number AL9694 will have monthly principal and interest payments as described in this Supplement. See "Certain Additional Characteristics of the Mortgage Loans — Level Payments" in this Supplement.

† The Lockout End Date, Prepayment Penalty End Date, Remaining Lockout Period and Total Remaining Lockout and Prepayment Penalty Period are based on the Sponsor's interpretation of provisions in the related notes. Differing interpretations of these provisions can result in dates and periods that may vary by as much as one month.

Lockout and Prepayment Penalty Codes:

For each Lockout and Prepayment Penalty Code listed in the table below, lockout up to but not including the Lockout End Date to the extent applicable; from and including the Lockout End Date or to the extent that the Lockout End Date is N/A, after the Issue Date, the applicable Initial Prepayment Penalty Percentage indicated below will apply to any prepaid amount made during the applicable Initial Prepayment Penalty Percentage Term indicated below, which is the number of mortgage loan payment dates from and including the Lockout End Date or beyond the Issue Date, as applicable; thereafter, the applicable Subsequent Prepayment Penalty Percentages indicated below will apply to any prepaid amount, where each percentage applies for a period of twelve consecutive mortgage loan payment dates up to but not including the applicable Prepayment Penalty End Date.

Lockout/Prepayment Penalty Code	Initial Prepayment Penalty Percentage	Initial Prepayment Penalty Percentage Term	Subsequent Prepayment Penalty Percentage
A	10%	11	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
B	10%	12	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
C	10%	13	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
D	10%	36	3%, 2%, 1%

Ginnie Mae REMIC Trust 2016-071
Characteristics of the Ginnie Mae Multifamily Certificates and the Related Mortgage Loans(1)

Pool Number	Security Type	FHA Insurance Program/ Section 538 Guarantee Program(2)	City/ County	State	Principal Balance as of the Cut-off Date	Mortgage Interest Rate	Certificate Rate	Servicing and Guaranty Fee Rate	Maturity Date	Monthly Principal and Interest(3)	Original Term to Maturity (mos.)	Remaining Term to Maturity (mos.)	Period from Issuance (mos.)	Issue Date	Lockout End Date(4)†	Prepayment Penalty End Date(5)†	Lockout/ Prepayment Penalty Code(6)	Remaining Lockout Period (mos.)(7)†	Total Remaining Lockout and Prepayment Penalty Period (mos.)(8)†	Remaining Interest Only Period (mos.)(9)
AQ8621	PLC	221(d)(4)/223(a)(7)	Dallas	TX	$9,223,743.82	3.750%	3.500%	0.250%	Apr-56	$41,913.60	480	373	107	Apr-16	Jun-16	Jun-26	D	0	14	0
AM9565	PLC	223(f)	Sugar Land	TX	8,802,502.89	3.380	3.130	0.250	Sep-50	42,960.43	420	306	114	Sep-15	Nov-15	Nov-25	M	0	7	0
AP6691	PLC	207/223(f)	Brookfield	WI	8,715,261.78	3.300	3.050	0.250	Jan-51	41,816.00	421	310	111	Dec-15	N/A	Mar-26	J	N/A	11	0
AQ0203	PLC	207/223(f)	Aurora	IL	7,568,138.79	3.450	3.200	0.250	Dec-50	36,994.53	421	309	112	Nov-15	Feb-16	Feb-26	D	0	10	0
AQ1148	PLC	232/223(f)	Oakland	CA	6,600,406.71	3.630	3.380	0.250	Dec-45	37,770.57	360	249	111	Dec-15	Feb-16	Feb-26	D	0	10	0
AR1313	PLC	221(d)(4)	Norfolk	VA	6,085,666.50	4.190	3.940	0.250	Nov-52	30,991.68	443	332	111	Dec-15	N/A	Jan-26	G	N/A	9	0
AP6689	PLC	207/223(f)	Chicago	IL	5,618,014.36	3.380	3.130	0.250	Dec-50	27,250.82	420	309	111	Dec-15	Feb-16	Feb-26	D	0	10	0
AN9514	PLC	232	Elk Grove	CA	5,184,403.55	3.750	3.500	0.250	Feb-53	24,986.77	450	335	115	Aug-15	Oct-15	Oct-25	G	0	6	0
AQ7905	PLC	232/223(f)	Detroit	MI	4,956,076.36	3.590	3.340	0.250	Apr-46	27,957.02	361	253	108	Mar-16	Jun-16	Jun-26	G	0	14	0
AN7355	PLC	207/223(f)	Carol Stream	IL	4,870,043.07	3.450	3.200	0.250	Oct-50	23,902.09	421	307	114	Sep-15	Dec-15	Dec-25	D	0	8	0
AP6709	PLC	232/223(a)(7)	Green Valley	AZ	4,815,749.02	3.420	3.170	0.250	Feb-46	26,886.16	360	251	109	Feb-16	Apr-16	Apr-26	D	0	12	0
AQ1167	PLC	232/223(f)	Gaston	NC	4,787,162.63	3.660	3.360	0.300	Jan-41	33,234.55	301	190	111	Dec-15	Mar-16	Mar-26	D	0	11	0
AO8044	PLC	232/223(f)	Moorhead	MN	3,290,523.02	3.430	3.180	0.250	Jan-51	16,017.08	421	310	111	Dec-15	Mar-16	Mar-26	D	0	11	0
AP6707	PLC	207/223(f)	Berwyn	IL	3,206,477.79	3.550	3.300	0.250	Feb-51	15,784.57	420	311	109	Feb-16	Apr-16	Apr-26	D	0	12	0
AN9222	PLC	232/223(a)(7)	Farmington	NM	3,040,402.61	3.900	3.650	0.250	May-46	17,601.28	370	254	116	Jul-15	Sep-15	Sep-19	P	0	0	0
AP6692	PLC	207/223(f)	Oak Creek	WI	2,598,184.78	3.400	3.150	0.250	Jan-51	12,605.16	421	310	111	Dec-15	N/A	Mar-26	F	N/A	11	0
AO4952	PLC	207/223(f)	St. Paul	MN	2,530,888.53	3.480	3.230	0.250	Jan-51	12,387.61	420	310	110	Jan-16	Mar-16	Mar-26	D	0	11	0
AD6186	PLC	223(f)	Newport News	VA	2,471,754.83	3.550	3.300	0.250	Dec-48	12,848.83	397	285	112	Nov-15	Feb-16	Feb-26	D	0	10	0
AP4599	PLC	207/223(f)	Wichita Falls	TX	2,439,381.07	3.630	3.380	0.250	Apr-40	17,521.69	290	181	109	Feb-16	N/A	Mar-26	I	N/A	11	0
AO6138	PLC	232/223(f)	Aledo	IL	2,287,256.70	3.700	3.400	0.300	Nov-50	11,512.87	421	308	113	Oct-15	Jan-16	Jan-26	D	0	9	0
AQ1915	PLC	207/223(f)	Amarillo	TX	2,279,626.65	3.620	3.370	0.250	Mar-51	11,286.74	421	312	109	Feb-16	May-16	May-26	D	0	13	0
AO3441	PLC	232/223(f)	Franklin	IN	2,122,655.44	3.300	3.050	0.250	Aug-50	10,290.50	421	305	116	Jul-15	Oct-15	Oct-25	D	0	6	0
AN0575	PLC	232/223(f)	Poughkeepsie	NY	2,115,829.10	3.270	2.970	0.300	Mar-35	20,695.36	237	120	117	Jun-15	Sep-15	Sep-25	D	0	5	0
AE9151	PLC	232/223(f)	Palm Springs	CA	2,018,234.67	3.450	3.200	0.250	Jun-50	9,987.03	420	303	117	Jun-15	N/A	Jul-25	I	N/A	3	0
AM2547	PLC	207/223(f)	Pittsburg	CA	1,968,414.74	3.280	3.030	0.250	Jul-50	9,541.91	421	304	117	Jun-15	Sep-15	Sep-25	D	0	5	0
AK6167	PLC	207/223(f)	Los Angeles	CA	1,962,232.22	3.980	3.730	0.250	Nov-45	11,619.80	361	248	113	Oct-15	Jan-16	Jan-26	M	0	9	0
AQ1914	PLC	207/223(f)	Belleville	IL	1,948,246.22	3.500	3.250	0.250	Mar-51	9,519.16	421	312	109	Feb-16	Apr-16	Apr-26	D	0	12	0
AN4781	PLC	207/223(f)	Baraboo	WI	1,906,876.88	3.300	3.050	0.250	Sep-50	9,225.12	420	306	114	Sep-15	N/A	Nov-25	E	N/A	7	0
AM9579	PLC	207/223(f)	International Falls	MN	1,850,860.58	3.420	3.170	0.250	Jan-51	8,999.38	420	310	110	Jan-16	Mar-16	Mar-26	M	0	11	0
AM9564	PLC	221(d)(4)	San Antonio	TX	1,755,865.33	3.870	3.620	0.250	Jun-47	9,818.97	381	267	114	Sep-15	N/A	Sep-25	L	N/A	5	0
AI8816	PLC	207/223(f)	Framingham	MA	1,755,429.13	3.900	3.650	0.250	Jan-50	9,205.54	421	298	123	Dec-14	N/A	Mar-25	F	N/A	0	0
AQ1149	PLC	232/223(f)	San Rafael	CA	1,730,281.88	3.630	3.380	0.250	Dec-45	9,901.47	360	249	111	Dec-15	Feb-16	Feb-26	D	0	10	0
AQ3129	PLC	223(f)	University Park	IL	1,714,677.05	3.600	3.350	0.250	Dec-50	8,520.68	420	309	111	Dec-15	Feb-16	Feb-26	D	0	10	0
AO8021	PLC	207/223(f)	Muskogee	OK	1,668,327.14	4.050	3.800	0.250	Aug-45	10,019.28	358	245	113	Oct-15	Dec-15	Dec-25	D	0	8	0
AP6884	PLC	207/223(f)	Jacksonville	FL	1,629,306.98	3.890	3.390	0.500	Jan-34	18,187.26	216	106	110	Jan-16	Mar-16	Mar-26	D	0	11	0
AN9518	PLC	207/223(f)	Hesperia	CA	1,587,302.70	3.140	2.890	0.250	Aug-50	7,560.79	420	305	115	Aug-15	Oct-15	Oct-25	G	0	6	0
AK0550	PLC	223(f)/223(a)(7)	Somerville	MA	1,569,345.19	3.750	3.370	0.380	Nov-42	10,134.61	333	212	121	Feb-15	N/A	May-25	F	N/A	1	0
AO8042	PLC	207/223(f)	Duluth	MN	1,568,788.64	3.190	2.940	0.250	Jan-51	7,435.35	421	310	111	Dec-15	N/A	Mar-26	H	N/A	11	0
AN4792	PLC	207/223(f)	North Vernon	IN	1,563,074.81	3.350	3.100	0.250	Nov-50	7,572.25	420	308	112	Nov-15	N/A	Jan-26	E	N/A	9	0
AQ1919	PLC	207/223(f)	Barrio Rincon	PR	1,553,788.39	3.880	3.630	0.250	Mar-51	7,914.79	421	312	109	Feb-16	Apr-16	Apr-26	D	0	12	0
AM2541	PLC	207/223(f)	Westfield	MA	1,448,979.71	3.270	3.020	0.250	Aug-50	7,001.48	421	305	116	Jul-15	N/A	Oct-25	F	N/A	6	0
AO6144	PLC	232/223(f)	McMurray	PA	1,410,995.35	3.640	3.310	0.330	Nov-45	8,103.55	361	248	113	Oct-15	Jan-16	Jan-26	D	0	9	0
AA7753	PLC	232	Richmond	TX	1,338,060.34	3.230	2.980	0.250	Oct-54	5,857.21	463	355	108	Mar-16	N/A	Dec-24	N	N/A	0	0
AP3749	PLC	221(d)(4)/223(a)(7)	Salt Lake City	UT	1,328,368.51	3.850	3.600	0.250	Apr-53	6,455.12	450	337	113	Oct-15	Dec-15	Dec-25	I	0	8	0
AN9229	PLC	232/223(f)	Sacramento	CA	1,320,494.60	3.690	3.440	0.250	Aug-45	7,680.48	360	245	115	Aug-15	Oct-15	Oct-25	D	0	6	0
AP2079	PLC	232	Jacksonville	FL	1,250,591.34	3.860	3.610	0.250	Apr-57	5,669.17	475	385	90	Sep-17	N/A	Jun-27	A	N/A	26	0
AP3690	PLC	207/223(f)	Lake View	CA	1,248,998.39	3.580	3.250	0.330	Jun-41	8,457.12	307	195	112	Nov-15	Jan-16	Jan-26	D	0	9	0
AM4554	PLC	207/223(f)	Cornelia	GA	1,203,799.76	3.600	3.210	0.390	Dec-41	7,983.85	311	201	110	Jan-16	N/A	Feb-26	G	N/A	10	0
AM5778	PLC	223(f)/223(a)(7)	Carson City	NV	1,198,179.33	3.700	3.450	0.250	Jan-51	6,007.69	421	310	111	Dec-15	Mar-16	Mar-26	D	0	11	0
AJ6581	PLC	231	Jacksonville	FL	1,125,239.92	4.400	4.150	0.250	Oct-51	5,989.39	432	319	113	Oct-15	N/A	Nov-25	G	N/A	7	0
AQ1906	PLC	207/223(f)	Scottsville	KY	1,104,152.10	3.600	3.350	0.250	Feb-51	(10)	421	311	110	Jan-16	Mar-16	Mar-26	D	0	11	0
AQ1907	PLC	207/223(f)	Harrodsburg	KY	1,092,294.53	3.600	3.350	0.250	Feb-51	(10)	421	311	110	Jan-16	Mar-16	Mar-26	D	0	11	0
AM9562	PLC	223(f)	Missouri City	TX	1,086,497.55	3.520	3.270	0.250	Sep-50	5,384.30	420	306	114	Sep-15	Nov-15	Nov-25	M	0	7	0
AO3439	PLC	232/223(f)	Ossian	IN	1,073,163.28	3.300	3.050	0.250	Aug-50	5,202.63	421	305	116	Jul-15	Oct-15	Oct-25	D	0	6	0
AO4943	PLC	221(d)(4)/223(a)(7)	Minneapolis	MN	1,064,485.28	3.470	3.220	0.250	Jan-56	4,689.19	481	370	111	Dec-15	Mar-16	Mar-26	D	0	11	0
AP0214	PLC	207/223(f)	Upper Sandusky	OH	1,054,899.31	3.580	3.330	0.250	Dec-50	5,230.63	421	309	112	Nov-15	Jan-16	Jan-26	G	0	9	0
AN7354	PLC	207/223(f)	Newport News	VA	1,047,388.14	3.980	3.730	0.250	Sep-40	7,554.55	300	186	114	Sep-15	Nov-15	Nov-25	M	0	7	0
AH5352	PLC	221(d)(4)	Phoenix	AZ	1,008,475.08	4.280	4.030	0.250	Dec-48	5,642.32	392	285	107	Apr-16	Jun-16	Jun-26	M	0	14	0
AG7916	PLC	207/223(f)	Indianapolis	IN	1,001,782.99	3.500	3.250	0.250	Sep-50	4,953.69	420	306	114	Sep-15	N/A	Oct-25	D	N/A	6	0

Pool Number	Security Type	FHA Insurance Program/ Section 538 Guarantee Program(2)	City/ County	State	Principal Balance as of the Cut-off Date	Mortgage Interest Rate	Certificate Rate	Servicing and Guaranty Fee Rate	Maturity Date	Monthly Principal and Interest(3)	Original Term to Maturity (mos.)	Remaining Term to Maturity (mos.)	Period from Issuance (mos.)	Issue Date	Lockout End Date(4)†	Prepayment Penalty End Date(5)†	Lockout/ Prepayment Penalty Code(6)	Remaining Lockout Period (mos.)(7)†	Total Remaining Lockout and Prepayment Penalty Period (mos.)(8)†	Remaining Interest Only Period (mos.)(9)
AO0617	PLC	538/515	Powell	TN	$ 898,878.60	4.750%	4.370%	0.380%	Oct-47	$ 5,425.22	381	271	110	Jan-16	Mar-16	Mar-26	D	0	11	0
AR1322	PLC	207/223(f)	Marion	NC	821,797.19	4.330	3.950	0.380	Nov-42	5,552.93	321	212	109	Feb-16	N/A	Mar-26	G	N/A	11	0
AM4555	PLC	207/223(f)	Clarksville	GA	786,224.55	3.600	3.350	0.250	Dec-41	5,214.41	311	201	110	Jan-16	N/A	Feb-26	G	N/A	10	0
AR0065	PLC	207/223(f)	Manhattan	KS	779,767.35	3.790	3.460	0.330	Feb-51	3,940.74	420	311	109	Feb-16	Apr-16	Apr-26	D	0	12	0
AN6826	PLC	221(d)(4)	Racine	WI	767,931.43	3.350	3.100	0.250	Apr-45	4,381.92	356	241	115	Aug-15	Oct-15	Oct-25	D	0	6	0
AO0619	PLC	538/515	Laurel	DE	702,818.64	4.950	4.520	0.430	Mar-48	4,278.36	387	276	111	Dec-15	Feb-16	Feb-26	D	0	10	0
AR1323	PLC	207/223(f)	Wilmington	NC	689,201.63	3.980	3.600	0.380	Nov-36	6,161.94	249	140	109	Feb-16	N/A	Mar-26	I	N/A	11	0
AO0016	PLC	207/223(f)	Las Piedra	PR	670,313.58	3.400	3.150	0.250	Sep-50	3,278.62	421	306	115	Aug-15	Oct-15	Oct-25	D	0	6	0
AQ1163	PLC	538	Llano	TX	654,853.75	5.030	4.150	0.880	Sep-49	3,878.98	405	294	111	Dec-15	Feb-16	Feb-26	D	0	10	0
AO6143	PLC	538	Winnsboro	TX	118,225.17	4.680	3.800	0.880	Sep-55	607.16	455	366	89	Oct-17	N/A	Sep-27	C	N/A	29	0
AK5862	PLC	538	Perry	GA	106,421.52	4.800	4.300	0.500	Jun-56	548.42	476	375	101	Oct-16	N/A	Aug-26	B	N/A	16	0
AK5860	PLC	538	Manchester	GA	77,420.09	4.800	4.300	0.500	Jun-56	398.97	476	375	101	Oct-16	N/A	Aug-26	B	N/A	16	0
AI8788	PLC	221(d)(4)	Grove City	OH	71,765.16	4.120	3.670	0.450	Dec-55	343.32	477	369	108	Mar-16	Feb-17	Feb-26	O	0	10	0
AK5870	PLC	538	Waynesboro	GA	61,722.04	4.800	4.300	0.500	Jun-56	318.07	476	375	101	Oct-16	N/A	Aug-26	B	N/A	16	0
AO4949	PLC	221(d)(4)	Monahans	TX	50,699.49	4.090	3.840	0.250	Apr-57	236.66	472	385	87	Dec-17	N/A	Jun-27	K	N/A	26	0
AK5842	PLC	538	Vienna	GA	47,473.18	4.800	4.300	0.500	Jun-56	244.64	476	375	101	Oct-16	N/A	Aug-26	B	N/A	16	0
AK5864	PLC	538	Blairsville	GA	46,412.71	4.800	4.300	0.500	Jun-56	239.18	476	375	101	Oct-16	N/A	Aug-26	B	N/A	16	0
AK5858	PLC	538	Manchester	GA	44,725.51	4.800	4.300	0.500	Jun-56	230.48	475	375	100	Nov-16	N/A	Aug-26	A	N/A	16	0
AK5846	PLC	538	Donalsonville	GA	37,796.91	4.800	4.300	0.500	Jun-56	194.78	476	375	101	Oct-16	N/A	Aug-26	B	N/A	16	0
AK5836	PLC	538	Millen	GA	37,734.02	4.800	4.300	0.500	Jun-56	194.45	476	375	101	Oct-16	N/A	Aug-26	B	N/A	16	0
AK5840	PLC	538	Royston	GA	35,603.79	4.800	4.300	0.500	Jun-56	183.48	476	375	101	Oct-16	N/A	Aug-26	B	N/A	16	0
AK5844	PLC	538	Waynesboro	GA	23,424.01	4.800	4.300	0.500	Jun-56	120.71	476	375	101	Oct-16	N/A	Aug-26	B	N/A	16	0
AO4951	PLC	221(d)(4)	Winona	MN	16,833.58	4.380	4.130	0.250	Dec-56	81.87	478	381	97	Feb-17	N/A	Feb-27	L	N/A	22	0
AK5866	PLC	538	Warm Springs	GA	16,173.66	4.800	4.300	0.500	Jun-56	83.35	476	375	101	Oct-16	N/A	Aug-26	B	N/A	16	0

(1) Based on publicly available information, including the disclosure documents for the Ginnie Mae Multifamily Certificates, the information with respect to the Mortgage Loans set forth on this Exhibit A has been collected and summarized by the Sponsor. Capitalized terms have the meaning ascribed to them in the Offering Circular Supplement to which this Updated Exhibit A refers.

(2) Certain Mortgage Loans insured under FHA insurance program Section 223(f) cannot be prepaid for a period of five (5) years from the date of endorsement, unless prior written approval from FHA is obtained, regardless of any applicable lockout period associated with such mortgage loans.

(3) The principal and interest amounts shown in this column reflect only those amounts that are due in respect of the portion of each applicable Ginnie Mae Project Loan Certificate that is a Trust PLC.

(4) The Lockout End Date is the first month when a Mortgage Loan is no longer subject to any lockout for voluntary prepayments of principal. For purposes of determining the Lockout End Date in this Exhibit A, the Lockout End Date is based on the lockout period described in the note or other evidence of indebtedness without regard to any applicable statutory prepayment prohibition period.

(5) The Prepayment Penalty End Date is the first month when a Mortgage Loan is no longer subject to the payment of any Prepayment Penalties.

(6) In some circumstances FHA may permit an FHA-insured Mortgage Loan to be refinanced or prepaid without regard to any Lockout or Prepayment Penalty Code.

(7) The Remaining Lockout Period is the number of months from the Cut-off Date up to but not including the Lockout End Date.

(8) The Total Remaining Lockout and Prepayment Penalty Period is the number of months from the Cut-off Date up to but not including the later of the Prepayment Penalty End Date or Lockout End Date.

(9) The Remaining Interest Only Period reflects the number of months remaining before each Ginnie Mae Project Loan Certificate commences monthly payments of principal and interest.

(10) Pool Numbers AQ1906 and AQ1907 will have monthly principal and interest payments as described in this Supplement. See "Certain Additional Characteristics of the Mortgage Loans — Level Payments" in this Supplement.

† The Lockout End Date, Prepayment Penalty End Date, Remaining Lockout Period and Total Remaining Lockout and Prepayment Penalty Period are based on the Sponsor's interpretation of provisions in the related notes. Differing interpretations of these provisions can result in dates and periods that may vary by as much as one month.

Lockout and Prepayment Penalty Codes:

For each Lockout and Prepayment Penalty Code listed in the table below, lockout up to but not including the Lockout End Date to the extent applicable; from and including the Lockout End Date or to the extent that the Lockout End Date is N/A, after the Issue Date, the applicable Initial Prepayment Penalty Percentage indicated below will apply to any prepaid amount made during the applicable Initial Prepayment Penalty Percentage Term indicated below, which is the number of mortgage loan payment dates from and including the Lockout End Date or beyond the Issue Date, as applicable; thereafter, the applicable Subsequent Prepayment Penalty Percentages indicated below will apply to any prepaid amount, where each percentage applies for a period of twelve consecutive mortgage loan payment dates up to but not including the applicable Prepayment Penalty End Date.

Lockout/Prepayment Penalty Code	Initial Prepayment Penalty Percentage	Initial Prepayment Penalty Percentage Term	Subsequent Prepayment Penalty Percentage
A	10%	8	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
B	10%	9	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
C	10%	10	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
D	10%	12	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
E	10%	13	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
F	10%	14	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
G	10%	24	8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
H	10%	26	8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
I	10%	36	7%, 6%, 5%, 4%, 3%, 2%, 1%
J	10%	38	7%, 6%, 5%, 4%, 3%, 2%, 1%
K	10%	53	5%, 4%, 3%, 2%, 1%
L	10%	59	5%, 4%, 3%, 2%, 1%
M	10%	60	5%, 4%, 3%, 2%, 1%
N	9%	8	8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
O	9%	12	8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
P	4%	12	3%, 2%, 1%

Ginnie Mae REMIC Trust 2017-016
Characteristics of the Ginnie Mae Multifamily Certificates and the Related Mortgage Loans(1)

Pool Number	Security Type	FHA Insurance Program/ Section 538 Guarantee Program(2)	City/ County	State	Principal Balance as of the Cut-off Date	Mortgage Interest Rate	Certificate Rate	Servicing and Guaranty Fee Rate	Maturity Date	Monthly Principal and Interest(3)	Original Term to Maturity (mos.)	Remaining Term to Maturity (mos.)	Period from Issuance (mos.)	Issue Date	Lockout End Date(4)†	Prepayment Penalty End Date(5)†	Lockout/ Prepayment Penalty Code(6)	Remaining Lockout Period (mos.)(7)†	Total Remaining Lockout and Prepayment Penalty Period (mos.)(8)†	Remaining Interest Only Period (mos.)(9)
AX7887	PLC	232/223(f)	Rochester	NH	$8,325,344.15	2.990%	2.740%	0.250%	Jan-52	$37,629.90	421	322	99	Dec-16	Mar-17	Mar-27	D	0	23	0
AX7879	PLC	221(d)(4)/223(a)(7)	Richmond	VA	5,821,689.85	2.950	2.700	0.250	Dec-56	23,554.37	480	381	99	Dec-16	Feb-17	Feb-27	E	0	22	0
AW2910	PLC	232/223(f)	Far Rockaway	NY	4,998,306.54	2.890	2.640	0.250	Jan-50	23,524.81	397	298	99	Dec-16	Mar-17	Mar-27	D	0	23	0
AX0312	PLC	207/223(f)	La Crescent	MN	4,581,576.90	3.250	2.750	0.500	Dec-51	21,383.04	420	321	99	Dec-16	Feb-17	Feb-27	H	0	22	0
AX0322	PLC	223(f)/223(a)(7)	Waukegan	IL	4,102,939.02	3.300	3.050	0.250	Oct-51	19,334.46	418	319	99	Dec-16	Feb-17	Feb-27	D	0	22	0
AR0031	PLC	221(d)(4)	Knoxville	TN	1,360,029.16	3.800	3.500	0.300	Jan-58	6,046.62	476	394	82	May-18	N/A	Mar-28	C	N/A	35	0
AR8040	PLC	221(d)(4)	Chicago	IL	471,835.43	3.880	3.530	0.350	Jun-57	2,138.83	474	387	87	Dec-17	N/A	Aug-27	F	N/A	28	0
AR6699	PLC	221(d)(4)	Fort Worth	TX	310,969.06	3.600	3.350	0.250	Sep-58	1,332.60	463	402	61	Feb-20	N/A	Nov-28	I	N/A	43	0
AS8524	PLC	221(d)(4)	New Braunfels	TX	246,841.52	3.820	3.570	0.250	Oct-57	1,104.56	468	391	77	Oct-18	N/A	Dec-27	A	N/A	32	0
AW7942	PLC	538	McCloud	CA	217,732.49	4.450	3.950	0.500	Nov-56	(10)	463	380	83	Apr-18	N/A	Jan-28	B	N/A	33	0
AO4951	PLC	221(d)(4)	Winona	MN	60,356.13	4.380	4.130	0.250	Dec-56	293.55	478	381	97	Feb-17	N/A	Feb-27	G	N/A	22	0

(1) Based on publicly available information, including the disclosure documents for the Ginnie Mae Multifamily Certificates, the information with respect to the Mortgage Loans set forth on this Exhibit A has been collected and summarized by the Sponsor. Capitalized terms have the meaning ascribed to them in the Offering Circular Supplement to which this Updated Exhibit A refers.

(2) Certain Mortgage Loans insured under FHA insurance program Section 223(f) cannot be prepaid for a period of five (5) years from the date of endorsement, unless prior written approval from FHA is obtained, regardless of any applicable lockout period associated with such mortgage loans.

(3) The principal and interest amounts shown in this column reflect only those amounts that are due in respect of the portion of each applicable Ginnie Mae Project Loan Certificate that is a Trust PLC.

(4) The Lockout End Date is the first month when a Mortgage Loan is no longer subject to any lockout for voluntary prepayments of principal. For purposes of determining the Lockout End Date in this Exhibit A, the Lockout End Date is based on the lockout period described in the note or other evidence of indebtedness without regard to any applicable statutory prepayment prohibition period.

(5) The Prepayment Penalty End Date is the first month when a Mortgage Loan is no longer subject to the payment of any Prepayment Penalties.

(6) In some circumstances FHA may permit an FHA-insured Mortgage Loan to be refinanced or prepaid without regard to any Lockout or Prepayment Penalty Code.

(7) The Remaining Lockout Period is the number of months from the Cut-off Date up to but not including the Lockout End Date.

(8) The Total Remaining Lockout and Prepayment Penalty Period is the number of months from the Cut-off Date up to but not including the later of the Prepayment Penalty End Date or Lockout End Date.

(9) The Remaining Interest Only Period reflects the number of months remaining before each Ginnie Mae Project Loan Certificate commences monthly payments of principal and interest.

(10) Pool Number AW7942 will have an amortization schedule providing for level monthly principal and interest payments in the amount of $1,063.09 for each payment date prior to the related maturity date, with a balloon payment equal to the remaining unpaid principal balance of the Mortgage Loan plus accrued interest thereon to be due as of its maturity date.

† The Lockout End Date, Prepayment Penalty End Date, Remaining Lockout Period and Total Remaining Lockout and Prepayment Penalty Period are based on the Sponsor's interpretation of provisions in the related notes. Differing interpretations of these provisions can result in dates and periods that may vary by as much as one month.

Lockout and Prepayment Penalty Codes:

For each Lockout and Prepayment Penalty Code listed in the table below, lockout up to but not including the Lockout End Date to the extent applicable; from and including the Lockout End Date or to the extent that the Lockout End Date is N/A, after the Issue Date, the applicable Initial Prepayment Penalty Percentage indicated below will apply to any prepaid amount made during the applicable Initial Prepayment Penalty Percentage Term indicated below, which is the number of mortgage loan payment dates from and including the Lockout End Date or beyond the Issue Date, as applicable; thereafter, the applicable Subsequent Prepayment Penalty Percentages indicated below will apply to any prepaid amount, where each percentage applies for a period of twelve consecutive mortgage loan payment dates up to but not including the applicable Prepayment Penalty End Date.

Lockout/Prepayment Penalty Code	Initial Prepayment Penalty Percentage	Initial Prepayment Penalty Percentage Term	Subsequent Prepayment Penalty Percentage
A	10%	1	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
B	10%	8	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
C	10%	9	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
D	10%	12	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
E	10%	36	7%, 6%, 5%, 4%, 3%, 2%, 1%
F	10%	55	5%, 4%, 3%, 2%, 1%
G	10%	59	5%, 4%, 3%, 2%, 1%
H	10%	60	5%, 4%, 3%, 2%, 1%
I	9%	8	8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%

Ginnie Mae REMIC Trust 2017-071
Characteristics of the Ginnie Mae Multifamily Certificates and the Related Mortgage Loans(1)

Pool Number	Security Type	FHA Insurance Program/ Section 538 Guarantee Program(2)	City/ County	State	Principal Balance as of the Cut-off Date	Mortgage Interest Rate	Certificate Rate	Servicing and Guaranty Fee Rate	Maturity Date	Monthly Principal and Interest(3)	Original Term to Maturity (mos.)	Remaining Term to Maturity (mos.)	Period from Issuance (mos.)	Issue Date	Lockout End Date(4)†	Prepayment Penalty End Date(5)†	Lockout/ Prepayment Penalty Code(6)	Remaining Lockout Period (mos.)(7)†	Total Remaining Lockout and Prepayment Penalty Period (mos.)(8)†	Remaining Interest Only Period (mos.)(9)
AZ6145	PLC	207/223(f)	Landover	MD	$19,227,548.86	3.190%	2.940%	0.250%	Mar-52	$88,599.14	419	324	95	Apr-17	N/A	Apr-27	H	N/A	24	0
AY5980	PLC	232/223(f)	Needham	MA	15,137,567.02	3.490	3.240	0.250	Apr-52	72,069.74	420	325	95	Apr-17	N/A	May-27	D	N/A	25	0
AV9738	PLC	232	Shoreline	WA	5,996,487.89	3.700	3.200	0.500	Feb-58	26,277.99	474	395	79	Aug-18	N/A	Mar-28	E	N/A	35	0
AR7271	PLC	221(d)(4)	Peoria Heights	IL	5,318,722.48	3.470	3.220	0.250	Nov-57	22,698.42	479	392	87	Dec-17	N/A	Dec-27	C	N/A	32	0
AT4024	PLC	207/223(f)	Bronx	NY	4,145,653.22	3.500	3.170	0.330	Mar-52	19,796.62	420	324	96	Mar-17	N/A	Apr-27	F	N/A	24	0
AR0049	PLC	221(d)(4)	Baltimore	MD	2,649,032.84	4.100	3.850	0.250	Aug-57	12,319.47	474	389	85	Feb-18	N/A	Sep-27	A	N/A	29	0
AP0216	PLC	221(d)(4)	Palo Alto	CA	1,957,255.94	4.150	3.900	0.250	Aug-57	9,160.32	474	389	85	Feb-18	N/A	Sep-27	G	N/A	29	0
AR0037	PLC	221(d)(4)	Baltimore	MD	1,547,618.53	3.980	3.730	0.250	Jul-57	7,096.78	474	388	86	Jan-18	N/A	Aug-27	A	N/A	28	0
AK8205	PLC	221(d)(4)/223(a)(7)	San Antonio	TX	1,477,366.73	3.350	3.100	0.250	Sep-55	6,449.05	480	366	114	Sep-15	N/A	Oct-25	D	N/A	6	0
AX0040	PLC	538	Perryville	MD	1,475,440.89	5.050	4.450	0.600	Sep-49	8,756.83	389	294	95	Apr-17	N/A	May-27	I	N/A	25	0
AK7840	PLC	207/223(f)	Henderson	NV	980,796.97	3.630	3.250	0.380	Mar-50	4,978.75	421	300	121	Feb-15	Apr-16	Apr-25	K	0	0	0
AN6819	PLC	221(d)(4)	Seattle	WA	903,160.73	3.430	3.180	0.250	Dec-56	3,894.11	477	381	96	Mar-17	N/A	Jan-27	B	N/A	21	0
AA2216	PLC	221(d)(4)	Englewood	OH	796,101.52	3.500	2.870	0.630	Jan-54	3,656.97	474	346	128	Jul-14	Feb-16	Feb-24	L	0	0	0
AX0039	PLC	538	Guadalupe	AZ	774,721.18	5.000	4.400	0.600	Dec-49	4,551.98	392	297	95	Apr-17	N/A	May-27	I	N/A	25	0
AW1682	PLC	207/223(f)	Chaffee	MO	737,814.95	3.850	3.600	0.250	May-52	3,652.79	420	326	94	May-17	N/A	Jun-27	I	N/A	26	0
AZ4238	PLC	221(d)(3)/223(a)(7)	Cleveland	OH	583,809.92	4.100	3.850	0.250	May-34	6,375.99	205	110	95	Apr-17	N/A	May-22	J	N/A	0	0
AE4487	PLC	221(d)(4)/223(a)(7)	Chicago	IL	570,017.03	3.350	3.100	0.250	Feb-47	3,062.41	403	263	140	Jul-13	Aug-14	Aug-23	K	0	0	0
793935	PLC	207/223(f)	Santa Fe	NM	229,196.33	3.500	3.000	0.500	May-47	1,239.87	421	266	155	Apr-12	Jun-14	Jun-22	L	0	0	0

(1) Based on publicly available information, including the disclosure documents for the Ginnie Mae Multifamily Certificates, the information with respect to the Mortgage Loans set forth on this Exhibit A has been collected and summarized by the Sponsor. Capitalized terms have the meaning ascribed to them in the Offering Circular Supplement to which this Updated Exhibit A refers.

(2) Certain Mortgage Loans insured under FHA insurance program Section 223(f) cannot be prepaid for a period of five (5) years from the date of endorsement, unless prior written approval from FHA is obtained, regardless of any applicable lockout period associated with such mortgage loans.

(3) The principal and interest amounts shown in this column reflect only those amounts that are due in respect of the portion of each applicable Ginnie Mae Project Loan Certificate that is a Trust PLC.

(4) The Lockout End Date is the first month when a Mortgage Loan is no longer subject to any lockout for voluntary prepayments of principal. For purposes of determining the Lockout End Date in this Exhibit A, the Lockout End Date is based on the lockout period described in the note or other evidence of indebtedness without regard to any applicable statutory prepayment prohibition period.

(5) The Prepayment Penalty End Date is the first month when a Mortgage Loan is no longer subject to the payment of any Prepayment Penalties.

(6) In some circumstances FHA may permit an FHA-insured Mortgage Loan to be refinanced or prepaid without regard to any Lockout or Prepayment Penalty Code.

(7) The Remaining Lockout Period is the number of months from the Cut-off Date up to but not including the Lockout End Date.

(8) The Total Remaining Lockout and Prepayment Penalty Period is the number of months from the Cut-off Date up to but not including the later of the Prepayment Penalty End Date or Lockout End Date.

(9) The Remaining Interest Only Period reflects the number of months remaining before each Ginnie Mae Project Loan Certificate commences monthly payments of principal and interest.

† The Lockout End Date, Prepayment Penalty End Date, Remaining Lockout Period and Total Remaining Lockout and Prepayment Penalty Period are based on the Sponsor's interpretation of provisions in the related notes. Differing interpretations of these provisions can result in dates and periods that may vary by as much as one month.

Lockout and Prepayment Penalty Codes:

For each Lockout and Prepayment Penalty Code listed in the table below, lockout up to but not including the Lockout End Date to the extent applicable; from and including the Lockout End Date or to the extent that the Lockout End Date is N/A, after the Issue Date, the applicable Initial Prepayment Penalty Percentage indicated below will apply to any prepaid amount made during the applicable Initial Prepayment Penalty Percentage Term indicated below, which is the number of mortgage loan payment dates from and including the Lockout End Date or beyond the Issue Date, as applicable; thereafter, the applicable Subsequent Prepayment Penalty Percentages indicated below will apply to any prepaid amount, where each percentage applies for a period of twelve consecutive mortgage loan payment dates up to but not including the applicable Prepayment Penalty End Date.

Lockout/Prepayment Penalty Code	Initial Prepayment Penalty Percentage	Initial Prepayment Penalty Percentage Term	Subsequent Prepayment Penalty Percentage
A	10%	6	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
B	10%	9	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
C	10%	11	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
D	10%	12	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
E	10%	18	8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
F	10%	24	8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
G	10%	30	7%, 6%, 5%, 4%, 3%, 2%, 1%
H	10%	35	7%, 6%, 5%, 4%, 3%, 2%, 1%
I	10%	36	7%, 6%, 5%, 4%, 3%, 2%, 1%
J	10%	60	N/A
K	9%	12	8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
L	8%	12	7%, 6%, 5%, 4%, 3%, 2%, 1%

Ginnie Mae REMIC Trust 2018-045
Characteristics of the Ginnie Mae Multifamily Certificates and the Related Mortgage Loans(1)

Pool Number	Security Type	FHA Insurance Program(2)	City/ County	State	Principal Balance as of the Cut-off Date	Mortgage Interest Rate	Certificate Rate	Servicing and Guaranty Fee Rate	Maturity Date	Monthly Principal and Interest(3)	Original Term to Maturity (mos.)	Remaining Term to Maturity (mos.)	Period from Issuance (mos.)	Issue Date	Lockout End Date(4)†	Prepayment Penalty End Date(5)†	Lockout/ Prepayment Penalty Code(6)	Remaining Lockout Period (mos.)(7)†	Total Remaining Lockout and Prepayment Penalty Period (mos.)(8)†	Remaining Interest Only Period (mos.)(9)
BB2863	PLC	232/223(f)	Bedford	NH	$10,116,099.14	3.240%	2.990%	0.250%	Nov-52	$46,178.89	420	332	88	Nov-17	N/A	Dec-27	E	N/A	32	0
BC7461	PLC	207/223(f)	Ft. Worth	TX	9,888,111.40	3.400	3.150	0.250	Dec-52	45,912.03	420	333	87	Dec-17	N/A	Jan-28	G	N/A	33	0
BB2861	PLC	232/223(f)	Rutland	VT	9,787,971.48	3.240	2.990	0.250	Nov-52	44,681.02	420	332	88	Nov-17	N/A	Dec-27	E	N/A	32	0
BC7460	PLC	207/223(f)	Prescott Valley	AZ	8,971,894.58	3.450	3.200	0.250	Jan-53	41,827.85	421	334	87	Dec-17	Feb-18	Feb-28	E	0	34	0
BB2860	PLC	232/223(f)	Warwick	RI	7,595,801.15	3.240	2.990	0.250	Nov-52	34,674.00	420	332	88	Nov-17	N/A	Dec-27	E	N/A	32	0
BB2859	PLC	232/223(f)	Keene	NH	5,691,902.64	3.240	2.990	0.250	Nov-52	25,982.92	420	332	88	Nov-17	N/A	Dec-27	E	N/A	32	0
BB2858	PLC	232/223(f)	Concord	NH	5,351,773.35	3.240	2.990	0.250	Nov-47	27,802.40	360	272	88	Nov-17	N/A	Dec-27	E	N/A	32	0
BB2862	PLC	232/223(f)	Franklin	NH	4,847,372.39	3.240	2.990	0.250	Nov-52	22,127.73	420	332	88	Nov-17	N/A	Dec-27	E	N/A	32	0
AW3485	PLC	221(d)(4)	Harriman	TN	3,939,469.92	3.300	2.920	0.380	Dec-57	16,410.60	476	393	83	Apr-18	N/A	Jan-28	C	N/A	33	0
AT8518	PLC	207/223(f)	Framingham	MA	3,935,726.05	3.450	3.000	0.450	Feb-53	18,316.10	420	335	85	Feb-18	Mar-23	Mar-28	K	0	35	0
BC7283	PLC	207/223(f)	Philadelphia	PA	3,624,925.84	3.370	3.120	0.250	Sep-52	16,864.15	419	330	89	Oct-17	N/A	Oct-27	H	N/A	30	0
BE6042	PLC	207/223(f)	Galt	CA	3,550,476.26	3.250	3.000	0.250	Feb-53	16,137.01	421	335	86	Jan-18	Mar-18	Mar-28	I	0	35	0
AY9637	PLC	207/223(f)	Indianapolis	IN	3,531,839.10	3.250	3.000	0.250	Apr-52	16,356.43	420	325	95	Apr-17	N/A	May-27	E	N/A	25	0
AZ1220	PLC	207/223(f)	Derry	NH	3,502,859.15	3.400	3.150	0.250	Jun-52	16,444.15	420	327	93	Jun-17	N/A	Jul-27	E	N/A	27	0
BA2222	PLC	207/223(f)	Chicago	IL	3,188,316.80	3.530	3.230	0.300	Jun-52	15,193.44	420	327	93	Jun-17	N/A	Jul-27	E	N/A	27	0
AT8504	PLC	221(d)(4)/223(a)(7)	Baltimore	MD	2,596,546.68	3.300	3.050	0.250	Oct-57	10,847.15	481	391	90	Sep-17	Nov-17	Nov-27	E	0	31	0
BD7865	PLC	207/223(f)	Galt	CA	2,172,415.29	3.250	3.000	0.250	Feb-53	9,873.70	421	335	86	Jan-18	Mar-18	Mar-28	I	0	35	0
BE6043	PLC	207/223(f)	Redding	CA	1,701,771.28	3.250	3.000	0.250	Feb-53	7,734.60	421	335	86	Jan-18	Mar-18	Mar-28	I	0	35	0
BB6438	PLC	207/223(f)	Claremore	OK	1,629,283.90	3.390	3.140	0.250	Aug-52	7,611.56	420	329	91	Aug-17	N/A	Sep-27	G	N/A	29	0
BA4054	PLC	221(d)(4)	Birmingham	AL	1,466,675.21	3.950	3.600	0.350	Jun-48	8,043.25	371	279	92	Jul-17	N/A	Jul-27	D	N/A	27	0
AY9778	PLC	232/223(f)	Gresham	OR	1,352,552.06	3.440	3.190	0.250	Jul-52	6,367.21	420	328	92	Jul-17	N/A	Aug-27	G	N/A	28	0
AE2082	PLC	221(d)(4)	Austin	TX	1,200,103.98	3.800	3.550	0.250	Mar-55	5,591.97	448	360	88	Nov-17	N/A	Apr-25	J	N/A	0	0
AZ4243	PLC	223(f)/223(a)(7)	Garden City	KS	1,147,788.18	3.770	3.520	0.250	Dec-43	7,122.61	318	225	93	Jun-17	N/A	Jul-27	I	N/A	27	0
BA0372	PLC	207/223(f)	Denver	CO	1,024,034.81	3.680	3.360	0.320	Jun-52	4,964.34	420	327	93	Jun-17	N/A	Jul-27	G	N/A	27	0
BA4053	PLC	221(d)(4)	Mobile	AL	874,391.33	4.250	4.000	0.250	May-39	6,870.96	263	170	93	Jun-17	N/A	Jul-27	E	N/A	27	0
AZ1222	PLC	221(d)(4)	La Puente	CA	816,715.03	3.650	3.400	0.250	Jun-58	3,537.03	472	399	73	Feb-19	N/A	Jul-28	A	N/A	39	0
AZ1212	PLC	207/223(f)	Brockton	MA	768,657.88	3.500	3.250	0.250	Jun-52	3,650.32	421	327	94	May-17	Jul-17	Jul-27	E	0	27	0
BA7809	PLC	207/223(f)	Des Moines	WA	701,925.15	3.600	3.350	0.250	Jul-52	3,365.81	420	328	92	Jul-17	N/A	Aug-27	I	N/A	28	0
AZ1230	PLC	221(d)(4)	Cocoa	FL	697,185.62	3.580	3.330	0.250	Aug-58	2,983.46	473	401	72	Mar-19	N/A	Sep-28	B	N/A	41	0
BD7855	PLC	207/223(f)	Portsmouth	RI	571,896.36	4.190	3.940	0.250	Nov-52	2,912.43	420	332	88	Nov-17	N/A	Dec-27	I	N/A	32	0
BA5320	PLC	207/223(f)	Greenwood	IN	571,039.15	3.350	3.100	0.250	Jul-52	2,698.78	421	328	93	Jun-17	N/A	Aug-27	F	N/A	28	0
AZ4236	PLC	207/223(f)	Springfield	MO	73,213.71	3.750	3.500	0.250	May-52	358.40	420	326	94	May-17	N/A	Jun-27	I	N/A	26	0
AY3134	PLC	221(d)(4)/223(a)(7)	North Baltimore	OH	36,112.43	4.600	4.220	0.380	May-32	493.72	181	86	95	Apr-17	N/A	Apr-27	H	N/A	24	0
AZ1206	PLC	207/223(f)	Port Huron	MI	35,882.93	4.550	4.050	0.500	Aug-42	248.92	304	209	95	Apr-17	N/A	May-27	G	N/A	25	0
AZ3353	PLC	207/223(f)	Emporia	KS	18,910.34	4.800	4.300	0.500	Feb-28	580.08	129	35	94	May-17	N/A	Jun-27	E	N/A	26	0
AY0273	PLC	207/223(f)	Ottawa	KS	17,363.95	3.550	3.300	0.250	Apr-52	83.24	421	325	96	Mar-17	May-17	May-27	G	0	25	0
AY0255	PLC	207/223(f)	Middletown	CT	17,255.18	3.380	3.130	0.250	Mar-52	81.27	421	324	97	Feb-17	Apr-17	Apr-27	E	0	24	0
AY1356	PLC	232/223(f)	Greenville	TX	16,900.62	3.490	3.240	0.250	Apr-49	86.54	384	289	95	Apr-17	N/A	May-27	G	N/A	25	0
AY1358	PLC	232/223(f)	Sulphur Springs	TX	16,900.62	3.490	3.240	0.250	Apr-49	86.54	384	289	95	Apr-17	N/A	May-27	G	N/A	25	0
AO3413	PLC	207/223(f)	Columbia	KY	8,629.87	3.390	3.140	0.250	Mar-52	40.69	420	324	96	Mar-17	N/A	Apr-27	G	N/A	24	0
AY0271	PLC	207/223(f)	Lovington	NM	8,372.53	3.330	3.080	0.250	Oct-48	42.75	379	283	96	Mar-17	May-17	May-27	G	0	25	0
AY0404	PLC	221(d)(4)/223(a)(7)	Muscatine	IA	7,616.19	3.650	3.400	0.250	Jun-41	51.84	291	195	96	Mar-17	N/A	Apr-27	G	N/A	24	0
AY0265	PLC	207/223(f)	Columbus	OH	7,553.35	3.650	3.400	0.250	Jan-41	52.40	287	190	97	Feb-17	Apr-17	Apr-27	G	0	24	0

(1) Based on publicly available information, including the disclosure documents for the Ginnie Mae Multifamily Certificates, the information with respect to the Mortgage Loans set forth on this Exhibit A has been collected and summarized by the Sponsor. Capitalized terms have the meaning ascribed to them in the Offering Circular Supplement to which this Updated Exhibit A refers.

(2) Certain Mortgage Loans insured under FHA insurance program Section 223(f) cannot be prepaid for a period of five (5) years from the date of endorsement, unless prior written approval from FHA is obtained, regardless of any applicable lockout period associated with such mortgage loans.

(3) The principal and interest amounts shown in this column reflect only those amounts that are due in respect of the portion of each applicable Ginnie Mae Project Loan Certificate that is a Trust PLC.

(4) The Lockout End Date is the first month when a Mortgage Loan is no longer subject to any lockout for voluntary prepayments of principal. For purposes of determining the Lockout End Date in this Exhibit A, the Lockout End Date is based on the lockout period described in the note or other evidence of indebtedness without regard to any applicable statutory prepayment prohibition period.

(5) The Prepayment Penalty End Date is the first month when a Mortgage Loan is no longer subject to the payment of any Prepayment Penalties.

(6) In some circumstances FHA may permit an FHA-insured Mortgage Loan to be refinanced or prepaid without regard to any Lockout or Prepayment Penalty Code.

(7) The Remaining Lockout Period is the number of months from the Cut-off Date up to but not including the Lockout End Date.

(8) The Total Remaining Lockout and Prepayment Penalty Period is the number of months from the Cut-off Date up to but not including the later of the Prepayment Penalty End Date or Lockout End Date.

(9) The Remaining Interest Only Period reflects the number of months remaining before each Ginnie Mae Project Loan Certificate commences monthly payments of principal and interest.

† The Lockout End Date, Prepayment Penalty End Date, Remaining Lockout Period and Total Remaining Lockout and Prepayment Penalty Period are based on the Sponsor's interpretation of provisions in the related notes. Differing interpretations of these provisions can result in dates and periods that may vary by as much as one month.

Lockout and Prepayment Penalty Codes:

For each Lockout and Prepayment Penalty Code listed in the table below, lockout up to but not including the Lockout End Date to the extent applicable; from and including the Lockout End Date or to the extent that the Lockout End Date is N/A, after the Issue Date, the applicable Initial Prepayment Penalty Percentage indicated below will apply to any prepaid amount made during the applicable Initial Prepayment Penalty Percentage Term indicated below, which is the number of mortgage loan payment dates from and including the Lockout End Date or beyond the Issue Date, as applicable; thereafter, the applicable Subsequent Prepayment Penalty Percentages indicated below will apply to any prepaid amount, where each percentage applies for a period of twelve consecutive mortgage loan payment dates up to but not including the applicable Prepayment Penalty End Date.

Lockout/Prepayment Penalty Code	Initial Prepayment Penalty Percentage	Initial Prepayment Penalty Percentage Term	Subsequent Prepayment Penalty Percentage
A	10%	4	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
B	10%	5	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
C	10%	8	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
D	10%	11	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
E	10%	12	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
F	10%	13	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
G	10%	24	8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
H	10%	35	7%, 6%, 5%, 4%, 3%, 2%, 1%
I	10%	36	7%, 6%, 5%, 4%, 3%, 2%, 1%
J	8%	4	7%, 6%, 5%, 4%, 3%, 2%, 1%
K	5%	12	4%, 3%, 2%, 1%

Ginnie Mae REMIC Trust 2018-087
Characteristics of the Ginnie Mae Multifamily Certificates and the Related Mortgage Loans(1)

Pool Number	Security Type	FHA Insurance Program/ Section 538 Guarantee Program(2)	City/ County	State	Principal Balance as of the Cut-off Date	Mortgage Interest Rate	Certificate Rate	Servicing and Guaranty Fee Rate	Maturity Date	Monthly Principal and Interest(3)	Original Term to Maturity (mos.)	Remaining Term to Maturity (mos.)	Period from Issuance (mos.)	Issue Date	Lockout End Date(4)†	Prepayment Penalty End Date(5)†	Lockout/ Prepayment Penalty Code(6)	Remaining Lockout Period (mos.)(7)†	Total Remaining Lockout and Prepayment Penalty Period (mos.)(8)†	Remaining Interest Only Period (mos.)(9)
BD9300	PLC	223(f)/223(a)(7)	Alexandria	VA	$14,394,653.75	3.250%	3.000%	0.250%	Mar-48	$74,120.86	360	276	84	Mar-18	May-18	May-28	E	0	37	0
BD1269	PLC	221(d)(4)	Milwaukee	WI	11,102,802.87	3.850	3.600	0.250	Jun-59	48,667.77	474	411	63	Dec-19	N/A	Aug-29	C	N/A	52	0
AY8892	PLC	221(d)(4)	Manassas	VA	9,116,225.60	3.950	3.700	0.250	May-59	40,546.60	459	410	49	Feb-21	N/A	Jul-29	G	N/A	51	0
AZ2599	PLC	207/223(f)	Boston	MA	7,903,998.09	3.350	3.100	0.250	Jan-53	36,418.22	420	334	86	Jan-18	Mar-18	Mar-28	E	0	35	0
BA4047	PLC	221(d)(4)	Hutto	TX	6,905,205.53	3.890	3.640	0.250	May-59	30,466.93	473	410	63	Dec-19	N/A	Jul-29	B	N/A	51	0
AT8473	PLC	221(d)(4)	Oxnard	CA	5,207,274.38	3.630	3.330	0.300	Mar-58	22,579.43	457	396	61	Feb-20	N/A	May-28	I	N/A	37	0
AZ9015	PLC	232/223(f)	Fort Wayne	IN	4,046,881.19	3.680	3.430	0.250	Mar-53	19,313.67	421	336	85	Feb-18	May-18	Oct-25	L	0	6	0
AY2840	CLC	221(d)(4)	Baltimore	MD	2,960,412.00	3.900	3.650	0.250	Feb-59	12,189.22	505	407	98	Jan-17	Apr-19	Apr-29	E	0	48	0
BD5780	PLC	538	Pottsboro	TX	2,322,838.50	4.600	4.100	0.500	Apr-58	11,400.28	481	397	84	Mar-18	N/A	Jun-28	F	N/A	38	0
BA4093	PLC	221(d)(4)	Fredericksburg	VA	1,928,424.93	3.690	3.440	0.250	Apr-60	8,174.21	476	421	55	Aug-20	N/A	Jun-30	D	N/A	62	0
BA4076	PLC	221(d)(4)	Salisbury	NC	1,056,304.43	3.750	3.400	0.350	Sep-58	4,618.51	467	402	65	Oct-19	N/A	Nov-28	K	N/A	43	0
BA4090	PLC	221(d)(4)	Blacksburg	VA	823,819.39	3.840	3.590	0.250	Sep-59	3,593.63	472	414	58	May-20	N/A	Nov-29	A	N/A	55	0
BA4080	PLC	241	Charlottesville	VA	714,855.39	3.870	3.620	0.250	Feb-48	3,924.29	342	275	67	Aug-19	N/A	Feb-29	A	N/A	46	0
AS2105	PLC	221(d)(4)	Wilmington	NC	129,983.79	4.280	4.030	0.250	Jul-57	619.16	459	388	71	Apr-19	N/A	Sep-27	J	N/A	29	0
BD3154	PLC	221(d)(4)	Nashville	TN	23,597.05	3.900	3.650	0.250	Jun-59	104.13	467	411	56	Jul-20	N/A	Aug-29	H	N/A	52	0

(1) Based on publicly available information, including the disclosure documents for the Ginnie Mae Multifamily Certificates, the information with respect to the Mortgage Loans set forth on this Exhibit A has been collected and summarized by the Sponsor. Capitalized terms have the meaning ascribed to them in the Offering Circular Supplement to which this Updated Exhibit A refers.

(2) Certain Mortgage Loans insured under FHA insurance program Section 223(f) cannot be prepaid for a period of five (5) years from the date of endorsement, unless prior written approval from FHA is obtained, regardless of any applicable lockout period associated with such mortgage loans.

(3) The principal and interest amounts shown in this column reflect only those amounts that are due in respect of the portion of each applicable Ginnie Mae Project Loan Certificate that is a Trust PLC or each Ginnie Mae Construction Loan Certificate that is a Trust CLC. Because Ginnie Mae Construction Loan Certificates are not entitled to receive principal payments, the amounts identified for each Trust CLC are based upon the assumption that the Trust CLC has converted to a Trust PLC.

(4) The Lockout End Date is the first month when a Mortgage Loan is no longer subject to any lockout for voluntary prepayments of principal. For purposes of determining the Lockout End Date in this Exhibit A, the Lockout End Date is based on the lockout period described in the note or other evidence of indebtedness without regard to any applicable statutory prepayment prohibition period.

(5) The Prepayment Penalty End Date is the first month when a Mortgage Loan is no longer subject to the payment of any Prepayment Penalties.

(6) In some circumstances FHA may permit an FHA-insured Mortgage Loan to be refinanced or prepaid without regard to any Lockout or Prepayment Penalty Code.

(7) The Remaining Lockout Period is the number of months from the Cut-off Date up to but not including the Lockout End Date.

(8) The Total Remaining Lockout and Prepayment Penalty Period is the number of months from the Cut-off Date up to but not including the later of the Prepayment Penalty End Date or Lockout End Date.

(9) The Remaining Interest Only Period reflects the number of months remaining (1) before each Ginnie Mae Project Loan Certificate commences monthly payments of principal and interest or (2) during which each Ginnie Mae Construction Loan Certificate is expected to remain outstanding, based on the remaining construction period for the Ginnie Mae Construction Loan Certificate.

† The Lockout End Date, Prepayment Penalty End Date, Remaining Lockout Period and Total Remaining Lockout and Prepayment Penalty Period are based on the Sponsor's interpretation of provisions in the related notes. Differing interpretations of these provisions can result in dates and periods that may vary by as much as one month.

Lockout and Prepayment Penalty Codes:

For each Lockout and Prepayment Penalty Code listed in the table below, lockout up to but not including the Lockout End Date to the extent applicable; from and including the Lockout End Date or to the extent that the Lockout End Date is N/A, after the Issue Date, the applicable Initial Prepayment Penalty Percentage indicated below will apply to any prepaid amount made during the applicable Initial Prepayment Penalty Percentage Term indicated below, which is the number of mortgage loan payment dates from and including the Lockout End Date or beyond the Issue Date, as applicable; thereafter, the applicable Subsequent Prepayment Penalty Percentages indicated below will apply to any prepaid amount, where each percentage applies for a period of twelve consecutive mortgage loan payment dates up to but not including the applicable Prepayment Penalty End Date.

Lockout/Prepayment Penalty Code	Initial Prepayment Penalty Percentage	Initial Prepayment Penalty Percentage Term	Subsequent Prepayment Penalty Percentage
A	10%	5	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
B	10%	6	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
C	10%	7	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
D	10%	9	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
E	10%	12	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
F	10%	14	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
G	10%	16	7%, 6%, 5%, 4%, 3%, 2%, 1%
H	10%	24	7%, 6%, 5%, 4%, 3%, 2%, 1%
I	9%	2	8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
J	9%	4	8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
K	9%	12	8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
L	8%	5	7%, 6%, 5%, 4%, 3%, 2%, 1%

Ginnie Mae REMIC Trust 2018-108
Characteristics of the Ginnie Mae Multifamily Certificates and the Related Mortgage Loans(1)

Pool Number	Security Group	Security Type	FHA Insurance Program/ Section 538 Guarantee Program(2)	City/ County	State	Principal Balance as of the Cut-off Date	Mortgage Interest Rate	Certificate Rate	Servicing and Guaranty Fee Rate	Maturity Date	Monthly Principal and Interest(3)	Original Term to Maturity (mos.)	Remaining Term to Maturity (mos.)	Period from Issuance (mos.)	Issue Date	Lockout End Date(4)†	Prepayment Penalty End Date(5)†	Lockout/ Prepayment Penalty Code(6)	Remaining Lockout Period (mos.)(7)†	Total Remaining Lockout and Prepayment Penalty Period (mos.)(8)†	Remaining Interest Only Period (mos.)(9)
BD8784	1	PLC	207/223(f)	Baltimore	MD	$20,975,545.43	3.360%	3.110%	0.250%	Apr-53	$96,239.81	420	337	83	Apr-18	Jun-18	Jun-28	L	0	38	0
BH3712	1	PLC	538	Royse City	TX	18,093,469.20	4.150	3.850	0.300	May-58	83,775.25	480	398	82	May-18	Jul-18	Jul-28	H	0	39	0
BG1344	1	PLC	207/223(f)	Stamford	CT	12,037,884.50	3.850	3.600	0.250	Jun-53	58,305.75	421	339	82	May-18	Aug-18	Aug-28	H	0	40	0
AZ2599	1	PLC	207/223(f)	Boston	MA	7,903,998.09	3.350	3.100	0.250	Jan-53	36,418.22	420	334	86	Jan-18	Mar-18	Mar-28	H	0	35	0
AY8918	1	PLC	221(d)(4)	Christiansburg	VA	4,378,412.13	3.950	3.700	0.250	Dec-58	19,588.01	466	405	61	Feb-20	N/A	Feb-29	J	N/A	46	0
BD9317	1	PLC	221(d)(4)	Apex	NC	3,678,330.19	3.450	3.200	0.250	Jun-60	15,040.69	464	423	41	Oct-21	N/A	Aug-30	P	N/A	64	0
AS6712	1	PLC	232	Washington	DC	3,460,342.71	3.930	3.680	0.250	Apr-58	15,589.56	471	397	74	Jan-19	N/A	Jun-28	C	N/A	38	0
BA4072	1	PLC	221(d)(4)	Marble Falls	TX	3,163,437.07	3.590	3.340	0.250	May-59	13,401.81	475	410	65	Oct-19	N/A	Jul-29	F	N/A	51	0
AY8892	1	PLC	221(d)(4)	Manassas	VA	2,904,060.42	3.950	3.700	0.250	May-59	12,916.51	459	410	49	Feb-21	N/A	Jul-29	I	N/A	51	0
AV6209	1	PLC	221(d)(4)	Decatur	GA	2,868,730.13	3.930	3.680	0.250	Jul-58	12,877.01	459	400	59	Apr-20	N/A	Sep-28	N	N/A	41	0
BE1616	1	PLC	232	Cedar Rapids	IA	2,734,336.77	3.850	3.600	0.250	Apr-59	12,013.91	462	409	53	Oct-20	N/A	Jun-29	O	N/A	50	0
AT8500	1	PLC	221(d)(4)	Columbia	SC	2,427,514.83	3.550	3.200	0.350	Feb-59	(10)	465	407	58	May-20	N/A	Apr-29	Q	N/A	48	0
BD9295	1	PLC	221(d)(4)	Fort Worth	TX	2,345,393.75	3.880	3.630	0.250	May-60	10,193.89	445	422	23	Apr-23	N/A	Jul-30	R	N/A	63	0
BC3968	1	PLC	221(d)(4)	Denver	NC	2,252,240.39	3.650	3.400	0.250	Aug-59	9,584.90	476	413	63	Dec-19	N/A	Oct-29	G	N/A	54	0
BF8695	1	PLC	221(d)(4)	Waldorf	MD	2,185,975.08	3.890	3.640	0.250	Aug-59	9,611.36	476	413	63	Dec-19	N/A	Oct-29	K	N/A	54	0
AQ0248	1	PLC	221(d)(4)	Stafford	VA	2,168,913.66	3.700	3.450	0.250	Mar-58	9,492.39	465	396	69	Jun-19	N/A	May-28	Q	N/A	37	0
BA4047	1	PLC	221(d)(4)	Hutto	TX	2,133,108.05	3.890	3.640	0.250	May-59	9,411.63	473	410	63	Dec-19	N/A	Jul-29	D	N/A	51	0
BA6498	1	PLC	221(d)(4)	Denton	TX	2,116,417.73	3.590	3.340	0.250	Oct-59	8,911.17	474	415	59	Apr-20	N/A	Dec-29	E	N/A	56	0
BC7440	1	PLC	221(d)(4)	Austin	TX	1,976,613.78	3.580	3.330	0.250	Nov-59	8,300.93	470	416	54	Sep-20	N/A	Jan-30	B	N/A	57	0
AY0413	1	PLC	221(d)(4)	Desoto	TX	1,937,686.25	3.700	3.450	0.250	Jun-59	8,322.87	463	411	52	Nov-20	N/A	Aug-29	S	N/A	52	0
AU6256	1	PLC	221(d)(4)	Whitsett	NC	1,609,247.51	3.350	3.100	0.250	Jun-58	6,693.15	468	399	69	Jun-19	N/A	Aug-28	A	N/A	40	0
AD2070	1	PLC	221(d)(4)	Washington	DC	1,447,559.00	4.350	3.850	0.500	Feb-58	6,899.75	460	395	65	Oct-19	N/A	Apr-28	M	N/A	36	0
BA4093	1	PLC	221(d)(4)	Fredericksburg	VA	1,018,554.81	3.690	3.440	0.250	Apr-60	4,317.45	476	421	55	Aug-20	N/A	Jun-30	G	N/A	62	0

(1) Based on publicly available information, including the disclosure documents for the Ginnie Mae Multifamily Certificates, the information with respect to the Mortgage Loans set forth on this Exhibit A has been collected and summarized by the Sponsor. Capitalized terms have the meaning ascribed to them in the Offering Circular Supplement to which this Updated Exhibit A refers.

(2) Certain Mortgage Loans insured under FHA insurance program Section 223(f) cannot be prepaid for a period of five (5) years from the date of endorsement, unless prior written approval from FHA is obtained, regardless of any applicable lockout period associated with such mortgage loans.

(3) The principal and interest amounts shown in this column reflect only those amounts that are due in respect of the portion of each applicable Ginnie Mae Project Loan Certificate that is a Trust PLC.

(4) The Lockout End Date is the first month when a Mortgage Loan is no longer subject to any lockout for voluntary prepayments of principal. For purposes of determining the Lockout End Date in this Exhibit A, the Lockout End Date is based on the lockout period described in the note or other evidence of indebtedness without regard to any applicable statutory prepayment prohibition period.

(5) The Prepayment Penalty End Date is the first month when a Mortgage Loan is no longer subject to the payment of any Prepayment Penalties.

(6) In some circumstances FHA may permit an FHA-insured Mortgage Loan to be refinanced or prepaid without regard to any Lockout or Prepayment Penalty Code.

(7) The Remaining Lockout Period is the number of months from the Cut-off Date up to but not including the Lockout End Date.

(8) The Total Remaining Lockout and Prepayment Penalty Period is the number of months from the Cut-off Date up to but not including the later of the Prepayment Penalty End Date or Lockout End Date.

(9) The Remaining Interest Only Period reflects the number of months remaining before each Ginnie Mae Project Loan Certificate commences monthly payments of principal and interest.

(10) Pool Number AT8500, a Ginnie Mae Project Loan Certificate, converted from Pool Number AT8499, a Ginnie Mae Construction Loan Certificate, will have monthly principal and interest payments as described in this Supplement. *See "Certain Additional Characteristics of the Mortgage Loans — Level Payments" in this Supplement.*

† The Lockout End Date, Prepayment Penalty End Date, Remaining Lockout Period and Total Remaining Lockout and Prepayment Penalty Period are based on the Sponsor's interpretation of provisions in the related notes. Differing interpretations of these provisions can result in dates and periods that may vary by as much as one month.

Lockout and Prepayment Penalty Codes:

For each Lockout and Prepayment Penalty Code listed in the table below, lockout up to but not including the Lockout End Date to the extent applicable; from and including the Lockout End Date or to the extent that the Lockout End Date is N/A, after the Issue Date, the applicable Initial Prepayment Penalty Percentage indicated below will apply to any prepaid amount made during the applicable Initial Prepayment Penalty Percentage Term indicated below, which is the number of mortgage loan payment dates from and including the Lockout End Date or beyond the Issue Date, as applicable; thereafter, the applicable Subsequent Prepayment Penalty Percentages indicated below will apply to any prepaid amount, where each percentage applies for a period of twelve consecutive mortgage loan payment dates up to but not including the applicable Prepayment Penalty End Date.

Lockout/Prepayment Penalty Code	Initial Prepayment Penalty Percentage	Initial Prepayment Penalty Percentage Term	Subsequent Prepayment Penalty Percentage
A	10%	1	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
B	10%	3	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
C	10%	4	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
D	10%	6	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
E	10%	7	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
F	10%	8	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
G	10%	9	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
H	10%	12	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
I	10%	16	7%, 6%, 5%, 4%, 3%, 2%, 1%
J	10%	23	7%, 6%, 5%, 4%, 3%, 2%, 1%
K	10%	33	7%, 6%, 5%, 4%, 3%, 2%, 1%
L	10%	60	5%, 4%, 3%, 2%, 1%
M	10%	89	1%
N	9%	4	8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
O	9%	7	8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
P	9%	9	8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
Q	9%	10	8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
R	8%	2	7%, 6%, 5%, 4%, 3%, 2%, 1%
S	10%	8	8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%

Ginnie Mae REMIC Trust 2019-002
Characteristics of the Ginnie Mae Multifamily Certificates and the Related Mortgage Loans(1)

Pool Number	Security Type	FHA Insurance Program(2)	City/ County	State	Principal Balance as of the Cut-off Date	Mortgage Interest Rate	Certificate Rate	Servicing and Guaranty Fee Rate	Maturity Date	Monthly Principal and Interest(3)	Original Term to Maturity (mos.)	Remaining Term to Maturity (mos.)	Period from Issuance (mos.)	Issue Date	Lockout End Date(4)†	Prepayment Penalty End Date(5)†	Lockout/ Prepayment Penalty Code(6)	Remaining Lockout Period (mos.)(7)†	Total Remaining Lockout and Prepayment Penalty Period (mos.)(8)†	Remaining Interest Only Period (mos.)(9)
BF8989	PLC	221(d)(4)	Kansas City	MO	$9,615,895.90	4.230%	3.980%	0.250%	Dec-60	(10)	464	429	35	Apr-22	N/A	Jan-31	K	N/A	69	0
BI8571	PLC	207/223(f)	Palmdale	CA	9,085,994.90	4.100	3.850	0.250	Dec-53	$44,879.28	420	345	75	Dec-18	N/A	Jan-29	G	N/A	45	0
BI9723	PLC	232/223(f)	Berea	OH	5,696,510.54	4.280	4.030	0.250	Jan-54	28,686.83	421	346	75	Dec-18	Feb-19	Feb-29	G	0	46	0
BI9726	PLC	232/223(f)	Portsmouth	OH	5,185,285.29	4.280	4.030	0.250	Jan-54	26,112.37	421	346	75	Dec-18	Feb-19	Feb-29	G	0	46	0
BI9727	PLC	232/223(f)	Columbus	OH	4,910,268.90	4.280	4.030	0.250	Jan-52	25,670.70	397	322	75	Dec-18	Feb-19	Feb-29	G	0	46	0
BI8560	PLC	232/223(f)	Buffalo	NY	3,635,564.68	4.200	3.950	0.250	Nov-53	18,194.02	420	344	76	Nov-18	N/A	Dec-28	G	N/A	44	0
BK1174	PLC	232/223(f)	Eagle River	WI	2,740,486.53	4.400	4.150	0.250	Dec-53	14,012.48	420	345	75	Dec-18	N/A	Jan-29	G	N/A	45	0
AR3421	PLC	221(d)(4)	Houston	TX	1,920,880.70	3.470	3.220	0.250	Dec-59	7,934.69	452	417	35	Apr-22	N/A	Jan-30	L	N/A	57	0
AV8300	PLC	221(d)(4)	Lakewood	CO	1,894,742.32	3.880	3.620	0.260	Mar-59	8,368.38	459	408	51	Dec-20	N/A	Apr-29	H	N/A	48	0
BB4925	PLC	221(d)(4)	Winter Park	FL	1,877,326.22	3.790	3.540	0.250	Aug-59	8,143.37	474	413	61	Feb-20	N/A	Sep-29	D	N/A	53	0
BB2943	PLC	213	Kansas City	MO	592,977.54	3.550	3.300	0.250	Dec-58	2,514.27	472	405	67	Aug-19	N/A	Jan-29	B	N/A	45	0
AP9771	PLC	232	Glen Cove	NY	476,673.19	4.200	3.950	0.250	Oct-56	2,273.03	428	379	49	Feb-21	N/A	Nov-27	N	N/A	31	0
AR3419	PLC	221(d)(4)	Huntsville	TX	474,509.98	3.570	3.320	0.250	Mar-59	2,009.78	443	408	35	Apr-22	N/A	Apr-29	O	N/A	48	0
BD1274	PLC	232	Midlothian	VA	472,095.23	3.900	3.650	0.250	Nov-59	2,071.40	473	416	57	Jun-20	N/A	Dec-29	C	N/A	56	0
AV8298	PLC	221(d)(4)	San Francisco	CA	327,580.63	4.110	3.850	0.260	Oct-58	1,500.16	463	403	60	Mar-20	N/A	Nov-28	J	N/A	43	0
AQ9301	PLC	221(d)(4)	Alexandria	LA	322,914.05	3.690	3.440	0.250	Jan-60	1,373.58	470	418	52	Nov-20	N/A	Aug-29	K	N/A	52	0
BB9489	PLC	221(d)(4)	Montgomery	AL	193,866.79	4.200	3.950	0.250	Feb-59	894.25	437	407	30	Sep-22	N/A	Mar-29	M	N/A	47	0
AR9875	PLC	221(d)(4)	San Antonio	TX	169,346.95	3.550	3.300	0.250	Feb-59	716.22	478	407	71	Apr-19	N/A	Mar-29	F	N/A	47	0
AR6703	PLC	221(d)(4)	Dallas	TX	141,484.73	3.700	3.450	0.250	Oct-59	604.80	470	415	55	Aug-20	N/A	Nov-29	A	N/A	55	0
BE1614	PLC	221(d)(4)	Midlothian	TX	111,300.55	4.020	3.770	0.250	Apr-60	493.61	461	421	40	Nov-21	N/A	May-30	I	N/A	61	0
BE8429	PLC	221(d)(4)	Belmont	NC	93,711.62	3.750	3.500	0.250	Apr-59	406.24	470	409	61	Feb-20	N/A	May-29	A	N/A	49	0
BE5863	PLC	221(d)(4)	Ramsey	MN	92,628.32	3.660	3.410	0.250	Jan-59	398.15	477	406	71	Apr-19	N/A	Feb-29	E	N/A	46	0

(1) Based on publicly available information, including the disclosure documents for the Ginnie Mae Multifamily Certificates, the information with respect to the Mortgage Loans set forth on this Exhibit A has been collected and summarized by the Sponsor. Capitalized terms have the meaning ascribed to them in the Offering Circular Supplement to which this Updated Exhibit A refers.

(2) Certain Mortgage Loans insured under FHA insurance program Section 223(f) cannot be prepaid for a period of five (5) years from the date of endorsement, unless prior written approval from FHA is obtained, regardless of any applicable lockout period associated with such mortgage loans.

(3) The principal and interest amounts shown in this column reflect only those amounts that are due in respect of the portion of each applicable Ginnie Mae Project Loan Certificate that is a Trust PLC.

(4) The Lockout End Date is the first month when a Mortgage Loan is no longer subject to any lockout for voluntary prepayments of principal. For purposes of determining the Lockout End Date in this Exhibit A, the Lockout End Date is based on the lockout period described in the note or other evidence of indebtedness without regard to any applicable statutory prepayment prohibition period.

(5) The Prepayment Penalty End Date is the first month when a Mortgage Loan is no longer subject to the payment of any Prepayment Penalties.

(6) In some circumstances FHA may permit an FHA-insured Mortgage Loan to be refinanced or prepaid without regard to any Lockout or Prepayment Penalty Code.

(7) The Remaining Lockout Period is the number of months from the Cut-off Date up to but not including the Lockout End Date.

(8) The Total Remaining Lockout and Prepayment Penalty Period is the number of months from the Cut-off Date up to but not including the later of the Prepayment Penalty End Date or Lockout End Date.

(9) The Remaining Interest Only Period reflects the number of months remaining before each Ginnie Mae Project Loan Certificate commences monthly payments of principal and interest.

(10) Pool Number BF8989, a Ginnie Mae Project Loan Certificate, converted from Pool Number BF8988, a Ginnie Mae Construction Loan Certificate, will have monthly principal and interest payments as described in this Supplement. *See "Certain Additional Characteristics of the Mortgage Loans — Level Payments" in this Supplement.*

† The Lockout End Date, Prepayment Penalty End Date, Remaining Lockout Period and Total Remaining Lockout and Prepayment Penalty Period are based on the Sponsor's interpretation of provisions in the related notes. Differing interpretations of these provisions can result in dates and periods that may vary by as much as one month.

Lockout and Prepayment Penalty Codes:

For each Lockout and Prepayment Penalty Code listed in the table below, lockout up to but not including the Lockout End Date to the extent applicable; from and including the Lockout End Date or to the extent that the Lockout End Date is N/A, after the Issue Date, the applicable Initial Prepayment Penalty Percentage indicated below will apply to any prepaid amount made during the applicable Initial Prepayment Penalty Percentage Term indicated below, which is the number of mortgage loan payment dates from and including the Lockout End Date or beyond the Issue Date, as applicable; thereafter, the applicable Subsequent Prepayment Penalty Percentages indicated below will apply to any prepaid amount, where each percentage applies for a period of twelve consecutive mortgage loan payment dates up to but not including the applicable Prepayment Penalty End Date.

Lockout/Prepayment Penalty Code	Initial Prepayment Penalty Percentage	Initial Prepayment Penalty Percentage Term	Subsequent Prepayment Penalty Percentage
A	10%	2	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
B	10%	4	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
C	10%	5	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
D	10%	6	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
E	10%	9	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
F	10%	10	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
G	10%	12	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
H	9%	3	8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
I	9%	5	8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
J	9%	7	8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
K	9%	8	8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
L	8%	8	7%, 6%, 5%, 4%, 3%, 2%, 1%
M	7%	5	6%, 5%, 4%, 3%, 2%, 1%
N	7%	8	6%, 5%, 4%, 3%, 2%, 1%
O	7%	11	6%, 5%, 4%, 3%, 2%, 1%

Ginnie Mae REMIC Trust 2019-039
Characteristics of the Ginnie Mae Multifamily Certificates and the Related Mortgage Loans(1)

Pool Number	Security Type	FHA Insurance Program/ Section 538 Guarantee Program(2)	City/ County	State	Principal Balance as of the Cut-off Date	Mortgage Interest Rate	Certificate Rate	Servicing and Guaranty Fee Rate	Maturity Date	Monthly Principal and Interest(3)	Original Term to Maturity (mos.)	Remaining Term to Maturity (mos.)	Period from Issuance (mos.)	Issue Date	Lockout End Date(4)†	Prepayment Penalty End Date(5)†	Lockout/ Prepayment Penalty Code(6)	Remaining Lockout Period (mos.)(7)†	Total Remaining Lockout and Prepayment Penalty Period (mos.)(8)†	Remaining Interest Only Period (mos.)(9)
BK9675	PLC	232/223(f)	Lake City	FL	$11,415,756.46	4.150%	3.850%	0.300%	Jan-54	$56,629.81	421	346	75	Dec-18	Mar-19	Mar-29	G	0	47	0
BK9676	PLC	232/223(f)	Bushnell	FL	7,421,726.38	4.150	3.850	0.300	Jan-54	36,816.74	421	346	75	Dec-18	Mar-19	Mar-29	G	0	47	0
BA4093	PLC	221(d)(4)	Fredericksburg	VA	4,101,554.74	3.690	3.440	0.250	Apr-60	17,385.68	476	421	55	Aug-20	N/A	Jun-30	E	N/A	62	0
BF8709	PLC	220	St. Louis	MO	3,523,184.36	3.810	3.560	0.250	Aug-60	15,115.50	471	425	46	May-21	N/A	Oct-30	N	N/A	66	0
BD3154	PLC	221(d)(4)	Nashville	TN	3,461,612.59	3.900	3.650	0.250	Jun-59	15,275.92	467	411	56	Jul-20	N/A	Aug-29	J	N/A	52	0
AY8883	PLC	221(d)(4)	Winchester	VA	3,107,572.11	3.730	3.480	0.250	Feb-59	13,467.56	468	407	61	Feb-20	N/A	Apr-29	K	N/A	48	0
BD8793	PLC	207/223(f)	Chicago	IL	2,980,861.21	4.330	4.080	0.250	Jan-54	15,097.86	420	346	74	Jan-19	Mar-19	Mar-24	H	0	0	0
BD7491	PLC	221(d)(4)	Seattle	WA	2,792,343.88	4.030	3.780	0.250	Nov-59	(10)	469	416	53	Oct-20	N/A	Jan-30	L	N/A	57	0
AY8918	PLC	221(d)(4)	Christiansburg	VA	2,623,406.76	3.950	3.700	0.250	Dec-58	11,736.52	466	405	61	Feb-20	N/A	Feb-29	I	N/A	46	0
AY8892	PLC	221(d)(4)	Manassas	VA	2,592,517.20	3.950	3.700	0.250	May-59	11,530.84	459	410	49	Feb-21	N/A	Jul-29	W	N/A	51	0
BE9390	PLC	221(d)(4)	Baton Rouge	LA	2,420,082.92	3.870	3.620	0.250	Jun-59	10,636.73	477	411	66	Sep-19	N/A	Aug-29	F	N/A	52	0
BF8695	PLC	221(d)(4)	Waldorf	MD	2,375,091.64	3.890	3.640	0.250	Aug-59	10,442.87	476	413	63	Dec-19	N/A	Oct-29	M	N/A	54	0
BL4754	PLC	538	Exmore	VA	2,347,649.63	4.680	4.380	0.300	Jan-59	11,529.96	480	406	74	Jan-19	Mar-19	Mar-29	G	0	47	0
AS6712	PLC	232	Washington	DC	2,012,891.21	3.930	3.680	0.250	Apr-58	9,068.49	471	397	74	Jan-19	N/A	Jun-28	A	N/A	38	0
BA4072	PLC	221(d)(4)	Marble Falls	TX	1,893,242.74	3.590	3.340	0.250	May-59	8,020.67	475	410	65	Oct-19	N/A	Jul-29	D	N/A	51	0
BD9317	PLC	221(d)(4)	Apex	NC	1,891,403.21	3.450	3.200	0.250	Jun-60	7,733.95	464	423	41	Oct-21	N/A	Aug-30	R	N/A	64	0
BI2362	PLC	538	Williams	CA	1,307,751.69	4.400	3.800	0.600	Nov-58	6,204.17	479	404	75	Dec-18	Feb-19	Feb-29	G	0	46	0
AU6246	PLC	221(d)(4)	Pearland	TX	1,140,811.19	3.400	3.150	0.250	Jun-58	4,777.18	436	399	37	Feb-22	N/A	Aug-28	V	N/A	40	0
BE1616	PLC	232	Cedar Rapids	IA	914,458.45	3.850	3.600	0.250	Apr-59	4,017.87	462	409	53	Oct-20	N/A	Jun-29	Q	N/A	50	0
BA4047	PLC	221(d)(4)	Hutto	TX	881,817.33	3.890	3.640	0.250	May-59	3,890.73	473	410	63	Dec-19	N/A	Jul-29	C	N/A	51	0
BD9295	PLC	221(d)(4)	Fort Worth	TX	804,836.10	3.880	3.630	0.250	May-60	3,498.10	445	422	23	Apr-23	N/A	Jul-30	T	N/A	63	0
AV6209	PLC	221(d)(4)	Decatur	GA	747,184.29	3.930	3.680	0.250	Jul-58	3,353.92	459	400	59	Apr-20	N/A	Sep-28	P	N/A	41	0
BA4090	PLC	221(d)(4)	Blacksburg	VA	731,913.23	3.840	3.590	0.250	Sep-59	3,192.73	472	414	58	May-20	N/A	Nov-29	B	N/A	55	0
AY8894	PLC	221(d)(4)	Midlothian	VA	574,520.49	3.800	3.550	0.250	Jul-59	2,498.45	452	412	40	Nov-21	N/A	Sep-29	U	N/A	53	0
BI3891	PLC	221(d)(4)	College Park	GA	550,742.73	4.630	4.380	0.250	Jul-60	2,640.95	471	424	47	Apr-21	N/A	Sep-30	A	N/A	65	0
AT8473	PLC	221(d)(4)	Oxnard	CA	539,405.39	3.630	3.330	0.300	Mar-58	2,338.93	457	396	61	Feb-20	N/A	May-28	O	N/A	37	0
AW2873	PLC	221(d)(4)	Seattle	WA	412,166.92	3.980	3.730	0.250	Nov-58	1,853.45	466	404	62	Jan-20	N/A	Jan-29	S	N/A	45	0
BH2541	PLC	221(d)(4)	Alexandria	VA	345,248.13	4.590	4.340	0.250	Nov-63	1,591.23	481	464	17	Oct-23	Dec-23	Dec-33	G	0	104	0

(1) Based on publicly available information, including the disclosure documents for the Ginnie Mae Multifamily Certificates, the information with respect to the Mortgage Loans set forth on this Exhibit A has been collected and summarized by the Sponsor. Capitalized terms have the meaning ascribed to them in the Offering Circular Supplement to which this Updated Exhibit A refers.

(2) Certain Mortgage Loans insured under FHA insurance program Section 223(f) cannot be prepaid for a period of five (5) years from the date of endorsement, unless prior written approval from FHA is obtained, regardless of any applicable lockout period associated with such mortgage loans.

(3) The principal and interest amounts shown in this column reflect only those amounts that are due in respect of the portion of each applicable Ginnie Mae Project Loan Certificate that is a Trust PLC.

(4) The Lockout End Date is the first month when a Mortgage Loan is no longer subject to any lockout for voluntary prepayments of principal. For purposes of determining the Lockout End Date in this Exhibit A, the Lockout End Date is based on the lockout period described in the note or other evidence of indebtedness without regard to any applicable statutory prepayment prohibition period.

(5) The Prepayment Penalty End Date is the first month when a Mortgage Loan is no longer subject to the payment of any Prepayment Penalties.

(6) In some circumstances FHA may permit an FHA-insured Mortgage Loan to be refinanced or prepaid without regard to any Lockout or Prepayment Penalty Code.

(7) The Remaining Lockout Period is the number of months from the Cut-off Date up to but not including the Lockout End Date.

(8) The Total Remaining Lockout and Prepayment Penalty Period is the number of months from the Cut-off Date up to but not including the later of the Prepayment Penalty End Date or Lockout End Date.

(9) The Remaining Interest Only Period reflects the number of months remaining before each Ginnie Mae Project Loan Certificate commences monthly payments of principal and interest.

(10) Pool Number BD7491, a Ginnie Mae Project Loan Certificate, converted from Pool Number BD7490, a Ginnie Mae Construction Loan Certificate, will have monthly principal and interest payments as described in this Supplement. *See "Certain Additional Characteristics of the Mortgage Loans — Level Payments" in this Supplement.*

† The Lockout End Date, Prepayment Penalty End Date, Remaining Lockout Period and Total Remaining Lockout and Prepayment Penalty Period are based on the Sponsor's interpretation of provisions in the related notes. Differing interpretations of these provisions can result in dates and periods that may vary by as much as one month.

Lockout and Prepayment Penalty Codes:

For each Lockout and Prepayment Penalty Code listed in the table below, lockout up to but not including the Lockout End Date to the extent applicable; from and including the Lockout End Date or to the extent that the Lockout End Date is N/A, after the Issue Date, the applicable Initial Prepayment Penalty Percentage indicated below will apply to any prepaid amount made during the applicable Initial Prepayment Penalty Percentage Term indicated below, which is the number of mortgage loan payment dates from and including the Lockout End Date or beyond the Issue Date, as applicable; thereafter, the applicable Subsequent Prepayment Penalty Percentages indicated below will apply to any prepaid amount, where each percentage applies for a period of twelve consecutive mortgage loan payment dates up to but not including the applicable Prepayment Penalty End Date.

Lockout/Prepayment Penalty Code	Initial Prepayment Penalty Percentage	Initial Prepayment Penalty Percentage Term	Subsequent Prepayment Penalty Percentage
A	10%	4	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
B	10%	5	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
C	10%	6	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
D	10%	8	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
E	10%	9	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
F	10%	10	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
G	10%	12	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
H	10%	12	9%, 8%, 7%, 6%
I	10%	23	7%, 6%, 5%, 4%, 3%, 2%, 1%
J	10%	24	7%, 6%, 5%, 4%, 3%, 2%, 1%
K	10%	25	7%, 6%, 5%, 4%, 3%, 2%, 1%
L	10%	26	7%, 6%, 5%, 4%, 3%, 2%, 1%
M	10%	33	7%, 6%, 5%, 4%, 3%, 2%, 1%
N	10%	52	5%, 4%, 3%, 2%, 1%
O	9%	2	8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
P	9%	4	8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
Q	9%	7	8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
R	9%	9	8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
S	9%	11	8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
T	8%	2	7%, 6%, 5%, 4%, 3%, 2%, 1%
U	8%	9	7%, 6%, 5%, 4%, 3%, 2%, 1%
V	7%	5	6%, 5%, 4%, 3%, 2%, 1%
W	10%	16	7%, 6%, 5%, 4%, 3%, 2%, 1%

Ginnie Mae REMIC Trust 2019-080
Characteristics of the Ginnie Mae Multifamily Certificates and the Related Mortgage Loans(1)

Pool Number	Security Type	FHA Insurance Program/ Section 538 Guarantee Program(2)	City/ County	State	Principal Balance as of the Cut-off Date	Mortgage Interest Rate	Certificate Rate	Servicing and Guaranty Fee Rate	Maturity Date	Monthly Principal and Interest(3)	Original Term to Maturity (mos.)	Remaining Term to Maturity (mos.)	Period from Issuance (mos.)	Issue Date	Lockout End Date(4)†	Prepayment Penalty End Date(5)†	Lockout/ Prepayment Penalty Code(6)	Remaining Lockout Period (mos.)(7)†	Total Remaining Lockout and Prepayment Penalty Period (mos.)(8)†	Remaining Interest Only Period (mos.)(9)
BE6948	PLC	207/223(f)	Brighton	MA	$18,311,967.60	4.450%	4.070%	0.380%	Jan-54	$94,033.00	420	346	74	Jan-19	Mar-19	Mar-29	F	0	47	0
BA4093	PLC	221(d)(4)	Fredericksburg	VA	2,173,871.21	3.690	3.440	0.250	Apr-60	9,214.61	476	421	55	Aug-20	N/A	Jun-30	E	N/A	62	0
BM3687	PLC	538	Stuttgart	AR	1,945,237.42	5.200	4.820	0.380	Apr-59	10,163.06	481	409	72	Mar-19	Jun-19	Jun-29	F	0	50	0
BM3688	PLC	538	Stuttgart	AR	1,945,237.42	5.200	4.820	0.380	Apr-59	10,163.06	481	409	72	Mar-19	Jun-19	Jun-29	F	0	50	0
BD7491	PLC	221(d)(4)	Seattle	WA	1,547,660.35	4.030	3.780	0.250	Nov-59	(10)	469	416	53	Oct-20	N/A	Jan-30	K	N/A	57	0
BD9317	PLC	221(d)(4)	Apex	NC	1,465,581.51	3.450	3.200	0.250	Jun-60	5,992.76	464	423	41	Oct-21	N/A	Aug-30	N	N/A	64	0
AY8892	PLC	221(d)(4)	Manassas	VA	1,456,258.82	3.950	3.700	0.250	May-59	6,477.06	459	410	49	Feb-21	N/A	Jul-29	G	N/A	51	0
BI2365	PLC	538	Donnelly	ID	1,167,501.18	4.750	4.150	0.600	Dec-58	5,784.71	479	405	74	Jan-19	Mar-19	Mar-29	F	0	47	0
AU6246	PLC	221(d)(4)	Pearland	TX	1,038,158.66	3.400	3.150	0.250	Jun-58	4,347.32	436	399	37	Feb-22	N/A	Aug-28	S	N/A	40	0
BE1616	PLC	232	Cedar Rapids	IA	961,399.45	3.850	3.600	0.250	Apr-59	4,224.12	462	409	53	Oct-20	N/A	Jun-29	M	N/A	50	0
BD3154	PLC	221(d)(4)	Nashville	TN	924,927.89	3.900	3.650	0.250	Jun-59	4,081.66	467	411	56	Jul-20	N/A	Aug-29	I	N/A	52	0
BA4072	PLC	221(d)(4)	Marble Falls	TX	786,013.59	3.590	3.340	0.250	May-59	3,329.92	475	410	65	Oct-19	N/A	Jul-29	D	N/A	51	0
AY2840	CLC	221(d)(4)	Baltimore	MD	741,367.00	3.900	3.650	0.250	Feb-59	3,052.51	505	407	98	Jan-17	Apr-19	Apr-29	F	0	48	0
AY8894	PLC	221(d)(4)	Midlothian	VA	717,414.74	3.800	3.550	0.250	Jul-59	3,119.86	452	412	40	Nov-21	N/A	Sep-29	R	N/A	53	0
BM3689	PLC	538	Terra Alta	WV	664,321.62	5.250	4.745	0.505	Apr-59	3,492.09	480	409	71	Apr-19	Jun-19	Jun-29	F	0	50	0
AN7316	PLC	221(d)(4)	Winchester	VA	628,389.30	3.600	3.350	0.250	Jun-57	2,746.93	458	387	71	Apr-19	N/A	May-28	O	N/A	37	0
BA4090	PLC	221(d)(4)	Blacksburg	VA	612,213.44	3.840	3.590	0.250	Sep-59	2,670.58	472	414	58	May-20	N/A	Nov-29	B	N/A	55	0
AY8918	PLC	221(d)(4)	Christiansburg	VA	582,828.24	3.950	3.700	0.250	Dec-58	2,607.44	466	405	61	Feb-20	N/A	Feb-29	H	N/A	46	0
BD9295	PLC	221(d)(4)	Fort Worth	TX	521,298.27	3.880	3.630	0.250	May-60	2,265.74	445	422	23	Apr-23	N/A	Jul-30	Q	N/A	63	0
AY8883	PLC	221(d)(4)	Winchester	VA	513,906.67	3.730	3.480	0.250	Feb-59	2,227.16	468	407	61	Feb-20	N/A	Apr-29	J	N/A	48	0
BI7728	PLC	232	Cheshire	CT	445,865.78	4.670	4.420	0.250	Jan-61	2,137.46	443	430	13	Feb-24	N/A	Mar-31	T	N/A	71	0
BI3891	PLC	221(d)(4)	College Park	GA	382,171.71	4.630	4.380	0.250	Jul-60	1,832.61	471	424	47	Apr-21	N/A	Sep-30	A	N/A	65	0
BA4047	PLC	221(d)(4)	Hutto	TX	361,042.88	3.890	3.640	0.250	May-59	1,592.98	473	410	63	Dec-19	N/A	Jul-29	C	N/A	51	0
BG4537	PLC	221(d)(4)	Tucson	AZ	298,187.00	4.280	4.030	0.250	Jun-60	1,366.64	443	423	20	Jul-23	N/A	Aug-30	T	N/A	64	0
AS2105	PLC	221(d)(4)	Wilmington	NC	198,564.25	4.280	4.030	0.250	Jul-57	945.83	459	388	71	Apr-19	N/A	Sep-27	L	N/A	29	0
AR9443	PLC	221(d)(4)	St. Paul	MN	178,361.53	3.670	3.420	0.250	Oct-57	782.64	469	391	78	Sep-18	Dec-18	Dec-27	P	0	32	0
AU6226	PLC	221(d)(4)	Kannapolis	NC	171,842.83	3.590	3.340	0.250	Dec-57	744.14	471	393	78	Sep-18	N/A	Feb-28	A	N/A	34	0

(1) Based on publicly available information, including the disclosure documents for the Ginnie Mae Multifamily Certificates, the information with respect to the Mortgage Loans set forth on this Exhibit A has been collected and summarized by the Sponsor. Capitalized terms have the meaning ascribed to them in the Offering Circular Supplement to which this Updated Exhibit A refers.

(2) Certain Mortgage Loans insured under FHA insurance program Section 223(f) cannot be prepaid for a period of five (5) years from the date of endorsement, unless prior written approval from FHA is obtained, regardless of any applicable lockout period associated with such mortgage loans.

(3) The principal and interest amounts shown in this column reflect only those amounts that are due in respect of the portion of each applicable Ginnie Mae Project Loan Certificate that is a Trust PLC or each Ginnie Mae Construction Loan Certificate that is a Trust CLC. Because Ginnie Mae Construction Loan Certificates are not entitled to receive principal payments, the amounts identified for each Trust CLC are based upon the assumption that the Trust CLC has converted to a Trust PLC.

(4) The Lockout End Date is the first month when a Mortgage Loan is no longer subject to any lockout for voluntary prepayments of principal. For purposes of determining the Lockout End Date in this Exhibit A, the Lockout End Date is based on the lockout period described in the note or other evidence of indebtedness without regard to any applicable statutory prepayment prohibition period.

(5) The Prepayment Penalty End Date is the first month when a Mortgage Loan is no longer subject to the payment of any Prepayment Penalties.

(6) In some circumstances FHA may permit an FHA-insured Mortgage Loan to be refinanced or prepaid without regard to any Lockout or Prepayment Penalty Code.

(7) The Remaining Lockout Period is the number of months from the Cut-off Date up to but not including the Lockout End Date.

(8) The Total Remaining Lockout and Prepayment Penalty Period is the number of months from the Cut-off Date up to but not including the later of the Prepayment Penalty End Date or Lockout End Date.

(9) The Remaining Interest Only Period reflects the number of months remaining (1) before each Ginnie Mae Project Loan Certificate commences monthly payments of principal and interest or (2) during which each Ginnie Mae Construction Loan Certificate is expected to remain outstanding, based on the remaining construction period for the Ginnie Mae Construction Loan Certificate.

(10) Pool Number BD7491, a Ginnie Mae Project Loan Certificate, converted from Pool Number BD7490, a Ginnie Mae Construction Loan Certificate, will have monthly principal and interest payments as described in this Supplement. *See "Certain Additional Characteristics of the Mortgage Loans — Level Payments" in this Supplement.*

† The Lockout End Date, Prepayment Penalty End Date, Remaining Lockout Period and Total Remaining Lockout and Prepayment Penalty Period are based on the Sponsor's interpretation of provisions in the related notes. Differing interpretations of these provisions can result in dates and periods that may vary by as much as one month.

Lockout and Prepayment Penalty Codes:

For each Lockout and Prepayment Penalty Code listed in the table below, lockout up to but not including the Lockout End Date to the extent applicable; from and including the Lockout End Date or to the extent that the Lockout End Date is N/A, after the Issue Date, the applicable Initial Prepayment Penalty Percentage indicated below will apply to any prepaid amount made during the applicable Initial Prepayment Penalty Percentage Term indicated below, which is the number of mortgage loan payment dates from and including the Lockout End Date or beyond the Issue Date, as applicable; thereafter, the applicable Subsequent Prepayment Penalty Percentages indicated below will apply to any prepaid amount, where each percentage applies for a period of twelve consecutive mortgage loan payment dates up to but not including the applicable Prepayment Penalty End Date.

Lockout/Prepayment Penalty Code	Initial Prepayment Penalty Percentage	Initial Prepayment Penalty Percentage Term	Subsequent Prepayment Penalty Percentage
A	10%	4	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
B	10%	5	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
C	10%	6	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
D	10%	8	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
E	10%	9	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
F	10%	12	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
G	10%	16	7%, 6%, 5%, 4%, 3%, 2%, 1%
H	10%	23	7%, 6%, 5%, 4%, 3%, 2%, 1%
I	10%	24	7%, 6%, 5%, 4%, 3%, 2%, 1%
J	10%	25	7%, 6%, 5%, 4%, 3%, 2%, 1%
K	10%	26	7%, 6%, 5%, 4%, 3%, 2%, 1%
L	9%	4	8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
M	9%	7	8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
N	9%	9	8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
O	9%	12	8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
P	9%	48	5%, 4%, 3%, 2%, 1%
Q	8%	2	7%, 6%, 5%, 4%, 3%, 2%, 1%
R	8%	9	7%, 6%, 5%, 4%, 3%, 2%, 1%
S	7%	5	6%, 5%, 4%, 3%, 2%, 1%
T	7%	12	6%, 5%, 4%, 3%, 2%, 1%

Ginnie Mae REMIC Trust 2019-088
Characteristics of the Ginnie Mae Multifamily Certificates and the Related Mortgage Loans(1)

Pool Number	Security Type	FHA Insurance Program/ Section 538 Guarantee Program(2)	City/ County	State	Principal Balance as of the Cut-off Date	Mortgage Interest Rate	Certificate Rate	Servicing and Guaranty Fee Rate	Maturity Date	Monthly Principal and Interest(3)	Original Term to Maturity (mos.)	Remaining Term to Maturity (mos.)	Period from Issuance (mos.)	Issue Date	Lockout End Date(4)†	Prepayment Penalty End Date(5)†	Lockout/ Prepayment Penalty Code(6)	Remaining Lockout Period (mos.)(7)†	Total Remaining Lockout and Prepayment Penalty Period (mos.)(8)†	Remaining Interest Only Period (mos.)(9)
BL3612	PLC	232/223(f)	Cherry Hill	NJ	$16,758,128.62	3.330%	3.080%	0.250%	Jul-54	$74,647.79	421	352	69	Jun-19	Aug-19	Aug-29	C	0	52	0
BK8848	PLC	232/223(f)	Dallas	TX	14,196,192.00	3.930	3.680	0.250	Jun-49	75,742.16	360	291	69	Jun-19	N/A	Jul-29	C	N/A	51	0
BK8843	PLC	232/223(f)	Southampton	NY	13,758,082.95	4.300	4.050	0.250	Apr-54	69,142.09	420	349	71	Apr-19	N/A	May-29	G	N/A	49	0
BK8443	PLC	207/223(f)	Cortland	NY	5,051,880.24	4.300	4.050	0.250	May-54	25,352.10	420	350	70	May-19	N/A	Jun-29	C	N/A	50	0
BJ7951	PLC	207/223(f)	Middletown	PA	4,107,288.38	3.840	3.590	0.250	Jun-54	19,495.30	420	351	69	Jun-19	N/A	Jul-29	C	N/A	51	0
BD8027	PLC	221(d)(4)	Forney	TX	2,922,665.16	3.900	3.650	0.250	Feb-60	12,780.39	469	419	50	Jan-21	N/A	Mar-30	D	N/A	59	0
BD7274	PLC	221(d)(4)	Farmers Branch	TX	2,857,872.51	3.930	3.680	0.250	May-60	12,506.57	480	422	58	May-20	N/A	Jun-30	C	N/A	62	0
AZ4235	PLC	221(d)(4)	Plano	TX	2,716,502.11	3.880	3.630	0.250	Aug-59	11,927.90	465	413	52	Nov-20	N/A	Sep-29	E	N/A	53	0
BI2375	PLC	538	Lincoln	CA	2,268,416.72	4.120	3.680	0.440	May-59	10,308.23	479	410	69	Jun-19	N/A	Jul-29	L	N/A	51	0
AY9669	PLC	221(d)(4)	San Jose	CA	2,019,906.17	4.250	3.820	0.430	Jan-59	9,388.55	468	406	62	Jan-20	N/A	Feb-29	H	N/A	46	0
BF3430(10)	PLC	221(d)(4)	Chicago	IL	1,741,226.80	4.550	4.300	0.250	Dec-45	10,818.14	319	249	70	May-19	N/A	Jun-24	N	N/A	0	0
BI2373	PLC	538	Brownsville	TX	1,575,336.69	4.870	4.400	0.470	May-59	7,885.75	479	410	69	Jun-19	N/A	Jul-29	L	N/A	51	0
BJ7933	PLC	207/223(f)	Indianapolis	IN	1,370,417.16	4.070	3.820	0.250	Apr-54	6,704.75	421	349	72	Mar-19	May-19	May-29	C	0	49	0
AY1372	PLC	221(d)(4)	Dulles	VA	1,334,974.26	3.900	3.650	0.250	Oct-59	5,864.12	475	415	60	Mar-20	N/A	Nov-29	K	N/A	55	0
BD7276	PLC	221(d)(4)	Nashville	TN	1,170,673.54	3.290	3.040	0.250	Oct-59	4,727.12	464	415	49	Feb-21	N/A	Nov-29	M	N/A	55	0
BF6195	PLC	221(d)(4)	Chicago	IL	1,081,976.85	4.250	4.000	0.250	Nov-59	4,975.06	480	416	64	Nov-19	N/A	Dec-29	C	N/A	56	0
BK6673	PLC	207/223(f)	Haverstraw	NY	988,609.99	4.440	4.190	0.250	Mar-49	5,586.21	361	288	73	Feb-19	Apr-19	Apr-29	C	0	48	0
BE5881	PLC	221(d)(4)	Denham Springs	LA	943,787.26	4.050	3.800	0.250	Mar-60	4,207.20	474	420	54	Sep-20	N/A	Apr-30	J	N/A	60	0
BE0998	PLC	221(d)(4)	Gastonia	NC	684,149.74	3.680	3.430	0.250	Sep-59	2,920.01	473	414	59	Apr-20	N/A	Oct-29	I	N/A	54	0
BE5208	PLC	221(d)(4)	Clarksville	TN	608,170.98	3.300	3.050	0.250	Oct-59	2,459.23	470	415	55	Aug-20	N/A	Nov-29	A	N/A	55	0
BC7322	PLC	221(d)(4)	Brooklyn Park	MD	553,947.32	3.750	3.500	0.250	Apr-59	(11)	474	409	65	Oct-19	N/A	May-29	J	N/A	49	0
BE1003	PLC	221(d)(4)	Gastonia	NC	518,805.94	3.680	3.430	0.250	Sep-59	2,214.31	473	414	59	Apr-20	N/A	Oct-29	I	N/A	54	0
BI2374	PLC	538/515	Lindsay	CA	516,964.59	4.390	3.560	0.830	May-59	2,433.84	479	410	69	Jun-19	N/A	Jul-29	L	N/A	51	0
BE8447	PLC	221(d)(4)	Washington	DC	514,666.21	3.340	3.090	0.250	Jun-59	2,103.71	475	411	64	Nov-19	N/A	Jul-29	B	N/A	51	0
BI5359	PLC	538	Dry Ridge	KY	471,025.18	4.970	4.240	0.730	May-50	(12)	377	302	75	Dec-18	N/A	Jan-29	C	N/A	45	0
BK9686	PLC	207/223(f)	Madawaska	ME	465,539.05	5.350	5.100	0.250	Mar-54	2,636.13	421	348	73	Feb-19	Apr-19	Apr-29	G	0	48	0
BF3431(10)	PLC	221(d)(4)	Chicago	IL	394,766.94	4.550	4.300	0.250	Dec-28	9,558.85	115	45	70	May-19	N/A	Jun-24	N	N/A	0	0
AW6377	PLC	221(d)(4)	Conneaut	OH	177,855.15	3.590	3.090	0.500	Jul-58	763.11	475	400	75	Dec-18	N/A	Aug-28	B	N/A	40	0
BE1598	PLC	221(d)(4)	Spokane	WA	67,651.07	3.470	3.220	0.250	Mar-59	282.64	478	408	70	May-19	N/A	Apr-29	F	N/A	48	0

(1) Based on publicly available information, including the disclosure documents for the Ginnie Mae Multifamily Certificates, the information with respect to the Mortgage Loans set forth on this Exhibit A has been collected and summarized by the Sponsor. Capitalized terms have the meaning ascribed to them in the Offering Circular Supplement to which this Updated Exhibit A refers.

(2) Certain Mortgage Loans insured under FHA insurance program Section 223(f) cannot be prepaid for a period of five (5) years from the date of endorsement, unless prior written approval from FHA is obtained, regardless of any applicable lockout period associated with such mortgage loans.

(3) The principal and interest amounts shown in this column reflect only those amounts that are due in respect of the portion of each applicable Ginnie Mae Project Loan Certificate that is a Trust PLC.

(4) The Lockout End Date is the first month when a Mortgage Loan is no longer subject to any lockout for voluntary prepayments of principal. For purposes of determining the Lockout End Date in this Exhibit A, the Lockout End Date is based on the lockout period described in the note or other evidence of indebtedness without regard to any applicable statutory prepayment prohibition period.

(5) The Prepayment Penalty End Date is the first month when a Mortgage Loan is no longer subject to the payment of any Prepayment Penalties.

(6) In some circumstances FHA may permit an FHA-insured Mortgage Loan to be refinanced or prepaid without regard to any Lockout or Prepayment Penalty Code.

(7) The Remaining Lockout Period is the number of months from the Cut-off Date up to but not including the Lockout End Date.

(8) The Total Remaining Lockout and Prepayment Penalty Period is the number of months from the Cut-off Date up to but not including the later of the Prepayment Penalty End Date or Lockout End Date.

(9) The Remaining Interest Only Period reflects the number of months remaining before each Ginnie Mae Project Loan Certificate commences monthly payments of principal and interest.

(10) Pool Numbers BF3430 and BF3431 are backed by separate Mortgage Notes that compromise the same Mortgage Loan and are subject to cross default. Any event of default with respect to one Mortgage Note shall constitute an event of default with respect to the other Mortgage Note.

(11) Pool Number BC7322, a Ginnie Mae Project Loan Certificate, converted from Pool Number BC7321, a Ginnie Mae Construction Loan Certificate, will have monthly principal and interest payments as described in this Supplement. *See "Certain Additional Characteristics of the Mortgage Loans — Level Payments" in this Supplement.*

(12) Pool Number BI5359 will have an amortization schedule providing for level monthly principal and interest payments in the amount of $2,401.06 for each payment date prior to the related maturity date, with a balloon payment equal to the remaining unpaid principal balance of the Mortgage Loan plus accrued interest thereon to be due as of its maturity date.

† The Lockout End Date, Prepayment Penalty End Date, Remaining Lockout Period and Total Remaining Lockout and Prepayment Penalty Period are based on the Sponsor's interpretation of provisions in the related notes. Differing interpretations of these provisions can result in dates and periods that may vary by as much as one month.

Lockout and Prepayment Penalty Codes:

For each Lockout and Prepayment Penalty Code listed in the table below, lockout up to but not including the Lockout End Date to the extent applicable; from and including the Lockout End Date or to the extent that the Lockout End Date is N/A, after the Issue Date, the applicable Initial Prepayment Penalty Percentage indicated below will apply to any prepaid amount made during the applicable Initial Prepayment Penalty Percentage Term indicated below, which is the number of mortgage loan payment dates from and including the Lockout End Date or beyond the Issue Date, as applicable; thereafter, the applicable Subsequent Prepayment Penalty Percentages indicated below will apply to any prepaid amount, where each percentage applies for a period of twelve consecutive mortgage loan payment dates up to but not including the applicable Prepayment Penalty End Date.

Lockout/Prepayment Penalty Code	Initial Prepayment Penalty Percentage	Initial Prepayment Penalty Percentage Term	Subsequent Prepayment Penalty Percentage
A	10%	2	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
B	10%	7	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
C	10%	12	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
D	10%	13	8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
E	10%	21	7%, 6%, 5%, 4%, 3%, 2%, 1%
F	10%	22	8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
G	10%	24	8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
H	10%	24	7%, 6%, 5%, 4%, 3%, 2%, 1%
I	10%	29	7%, 6%, 5%, 4%, 3%, 2%, 1%
J	10%	30	7%, 6%, 5%, 4%, 3%, 2%, 1%
K	10%	31	7%, 6%, 5%, 4%, 3%, 2%, 1%
L	10%	36	7%, 6%, 5%, 4%, 3%, 2%, 1%
M	9%	8	8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
N	5%	12	4%, 3%, 2%, 1%

Ginnie Mae REMIC Trust 2019-109

Characteristics of the Ginnie Mae Multifamily Certificates and the Related Mortgage Loans(1)

Pool Number	Security Type	FHA Insurance Program/ Section 538 Guarantee Program(2)	City/ County	State	Principal Balance as of the Cut-off Date	Mortgage Interest Rate	Certificate Rate	Servicing and Guaranty Fee Rate	Maturity Date	Monthly Principal and Interest(3)	Original Term to Maturity (mos.)	Remaining Term to Maturity (mos.)	Period from Issuance (mos.)	Issue Date	Lockout End Date(4)†	Prepayment Penalty End Date(5)†	Lockout/ Prepayment Penalty Code(6)	Remaining Lockout Period (mos.)(7)†	Total Remaining Lockout and Prepayment Penalty Period (mos.)(8)†	Remaining Interest Only Period (mos.)(9)
BP0815	PLC	232/223(f)	Lincoln	CA	$20,122,095.90	3.420%	3.170%	0.250%	Sep-54	$90,332.17	421	354	67	Aug-19	Oct-19	Oct-29	B	0	54	0
BB2958	PLC	221(d)(4)	Draper	UT	18,051,171.73	3.770	3.520	0.250	Jan-60	77,633.63	467	418	49	Feb-21	N/A	Feb-30	D	N/A	58	0
BP0816	PLC	232/223(f)	Sacramento	CA	14,721,710.03	3.420	3.170	0.250	Sep-49	74,015.50	361	294	67	Aug-19	Oct-19	Oct-29	B	0	54	0
BN1938	PLC	232/223(f)	Landisville	PA	14,396,614.65	3.530	3.280	0.250	Sep-54	65,508.44	421	354	67	Aug-19	Oct-19	Oct-29	B	0	54	0
BO0399	PLC	232/223(f)	Riverside	CA	14,318,330.94	3.420	3.170	0.250	Sep-54	64,277.90	421	354	67	Aug-19	Oct-19	Oct-29	B	0	54	0
BP0814	PLC	232/223(f)	Modesto	CA	11,828,303.70	3.420	3.170	0.250	Sep-49	59,468.48	361	294	67	Aug-19	Oct-19	Oct-29	B	0	54	0
BP0817	PLC	232/223(f)	Placerville	CA	11,677,989.21	3.420	3.170	0.250	Sep-54	52,424.86	421	354	67	Aug-19	Oct-19	Oct-29	B	0	54	0
BP0813	PLC	232/223(f)	Encinitas	CA	11,299,470.45	3.420	3.170	0.250	Sep-54	50,725.62	421	354	67	Aug-19	Oct-19	Oct-29	B	0	54	0
BP0812	PLC	232/223(f)	Auburn	CA	9,416,256.24	3.420	3.170	0.250	Sep-54	42,271.48	421	354	67	Aug-19	Oct-19	Oct-29	B	0	54	0
BN4213	PLC	207/223(f)	Phoenix	AZ	9,179,934.80	4.000	3.750	0.250	Aug-54	44,277.47	420	353	67	Aug-19	N/A	Sep-29	E	N/A	53	0
BP0819	PLC	207/223(f)	Holden	MA	7,519,645.33	3.740	3.240	0.500	Sep-54	35,102.26	421	354	67	Aug-19	Oct-19	Oct-29	B	0	54	0
BN1939	PLC	232/223(f)	Millersville	PA	7,413,563.59	3.530	3.280	0.250	Sep-54	33,733.69	421	354	67	Aug-19	Oct-19	Oct-29	B	0	54	0
BO2121	PLC	207/223(f)	Nashville	TN	6,362,235.16	3.440	3.190	0.250	Sep-54	28,631.79	421	354	67	Aug-19	Oct-19	Oct-29	B	0	54	0
BA0344	PLC	207/223(f)	Jersey City	NJ	5,476,287.12	3.750	3.480	0.270	Jul-54	25,674.30	420	352	68	Jul-19	N/A	Aug-29	B	N/A	52	0
BK0253	PLC	207/223(f)	St. Michaels	MD	3,828,753.28	3.550	3.300	0.250	Aug-54	17,492.58	421	353	68	Jul-19	Sep-19	Sep-29	B	0	53	0
BN1940	PLC	232/223(f)	Kulpmont	PA	3,772,452.88	3.530	3.280	0.250	Sep-54	17,165.67	421	354	67	Aug-19	Oct-19	Oct-29	B	0	54	0
BK0256	PLC	207/223(f)	Logansport	IN	2,409,626.26	3.570	3.320	0.250	Sep-54	11,018.21	421	354	67	Aug-19	Oct-19	Oct-29	B	0	54	0
BE8312	PLC	207/223(f)	Colorado Springs	CO	2,362,684.55	4.020	3.670	0.350	Aug-54	11,423.04	421	353	68	Jul-19	Sep-19	Sep-29	B	0	53	0
BO0390	PLC	207/223(f)	Westmorland	CA	2,248,032.11	3.850	3.600	0.250	Aug-54	10,650.34	420	353	67	Aug-19	N/A	Sep-29	B	N/A	53	0
BE5208	PLC	221(d)(4)	Clarksville	TN	1,571,174.83	3.300	3.050	0.250	Oct-59	6,353.27	470	415	55	Aug-20	N/A	Nov-29	A	N/A	55	0
BE1003	PLC	221(d)(4)	Gastonia	NC	649,454.36	3.680	3.430	0.250	Sep-59	2,771.93	473	414	59	Apr-20	N/A	Oct-29	F	N/A	54	0
BD7276	PLC	221(d)(4)	Nashville	TN	559,223.37	3.290	3.040	0.250	Oct-59	2,258.12	464	415	49	Feb-21	N/A	Nov-29	J	N/A	55	0
BD7859	PLC	221(d)(4)	Pueblo	CO	542,101.03	3.480	3.230	0.250	Oct-59	2,247.98	475	415	60	Mar-20	N/A	Nov-29	H	N/A	55	0
BA6262	PLC	221(d)(4)	Suitland	MD	537,889.36	3.890	3.640	0.250	Jan-59	2,384.48	474	406	68	Jul-19	N/A	Feb-29	G	N/A	46	0
BO1056	PLC	538/515	Tehachapi	CA	534,657.64	4.100	3.270	0.830	Jul-59	2,417.82	479	412	67	Aug-19	N/A	Sep-29	I	N/A	53	0
BI2384	PLC	538/515	Dayton	TN	377,972.98	4.700	3.720	0.980	Jun-59	1,850.00	479	411	68	Jul-19	N/A	Aug-29	I	N/A	52	0
BD7863	PLC	221(d)(4)	Newport News	VA	294,418.28	3.550	3.300	0.250	Apr-59	1,242.04	474	409	65	Oct-19	N/A	May-29	G	N/A	49	0
AV5312	PLC	221(d)(4)	Philadelphia	PA	213,103.07	3.600	3.350	0.250	Oct-58	912.04	471	403	68	Jul-19	N/A	Nov-28	C	N/A	43	0
BE0998	PLC	221(d)(4)	Gastonia	NC	161,824.72	3.680	3.430	0.250	Sep-59	690.68	473	414	59	Apr-20	N/A	Oct-29	F	N/A	54	0
BE9388	PLC	221(d)(4)	San Antonio	TX	101,967.65	3.600	3.350	0.250	Dec-59	428.89	481	417	64	Nov-19	Jan-20	Jan-30	I	0	57	0

(1) Based on publicly available information, including the disclosure documents for the Ginnie Mae Multifamily Certificates, the information with respect to the Mortgage Loans set forth on this Exhibit A has been collected and summarized by the Sponsor. Capitalized terms have the meaning ascribed to them in the Offering Circular Supplement to which this Updated Exhibit A refers.

(2) Certain Mortgage Loans insured under FHA insurance program Section 223(f) cannot be prepaid for a period of five (5) years from the date of endorsement, unless prior written approval from FHA is obtained, regardless of any applicable lockout period associated with such mortgage loans.

(3) The principal and interest amounts shown in this column reflect only those amounts that are due in respect of the portion of each applicable Ginnie Mae Project Loan Certificate that is a Trust PLC.

(4) The Lockout End Date is the first month when a Mortgage Loan is no longer subject to any lockout for voluntary prepayments of principal. For purposes of determining the Lockout End Date in this Exhibit A, the Lockout End Date is based on the lockout period described in the note or other evidence of indebtedness without regard to any applicable statutory prepayment prohibition period.

(5) The Prepayment Penalty End Date is the first month when a Mortgage Loan is no longer subject to the payment of any Prepayment Penalties.

(6) In some circumstances FHA may permit an FHA-insured Mortgage Loan to be refinanced or prepaid without regard to any Lockout or Prepayment Penalty Code.
(7) The Remaining Lockout Period is the number of months from the Cut-off Date up to but not including the Lockout End Date.
(8) The Total Remaining Lockout and Prepayment Penalty Period is the number of months from the Cut-off Date up to but not including the later of the Prepayment Penalty End Date or Lockout End Date.
(9) The Remaining Interest Only Period reflects the number of months remaining before each Ginnie Mae Project Loan Certificate commences monthly payments of principal and interest.
† The Lockout End Date, Prepayment Penalty End Date, Remaining Lockout Period and Total Remaining Lockout and Prepayment Penalty Period are based on the Sponsor's interpretation of provisions in the related notes. Differing interpretations of these provisions can result in dates and periods that may vary by as much as one month.

Lockout and Prepayment Penalty Codes:

For each Lockout and Prepayment Penalty Code listed in the table below, lockout up to but not including the Lockout End Date to the extent applicable; from and including the Lockout End Date or to the extent that the Lockout End Date is N/A, after the Issue Date, the applicable Initial Prepayment Penalty Percentage indicated below will apply to any prepaid amount made during the applicable Initial Prepayment Penalty Percentage Term indicated below, which is the number of mortgage loan payment dates from and including the Lockout End Date or beyond the Issue Date, as applicable; thereafter, the applicable Subsequent Prepayment Penalty Percentages indicated below will apply to any prepaid amount, where each percentage applies for a period of twelve consecutive mortgage loan payment dates up to but not including the applicable Prepayment Penalty End Date.

Lockout/Prepayment Penalty Code	Initial Prepayment Penalty Percentage	Initial Prepayment Penalty Percentage Term	Subsequent Prepayment Penalty Percentage
A	10%	2	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
B	10%	12	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
C	10%	15	8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
D	10%	23	7%, 6%, 5%, 4%, 3%, 2%, 1%
E	10%	24	8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
F	10%	29	7%, 6%, 5%, 4%, 3%, 2%, 1%
G	10%	30	7%, 6%, 5%, 4%, 3%, 2%, 1%
H	10%	31	7%, 6%, 5%, 4%, 3%, 2%, 1%
I	10%	36	7%, 6%, 5%, 4%, 3%, 2%, 1%
J	9%	8	8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%

Ginnie Mae REMIC Trust 2019-130
Characteristics of the Ginnie Mae Multifamily Certificates and the Related Mortgage Loans(1)

Pool Number	Security Type	FHA Insurance Program/ Section 538 Guarantee Program(2)	City/ County	State	Principal Balance as of the Cut-off Date	Mortgage Interest Rate	Certificate Rate	Servicing and Guaranty Fee Rate	Maturity Date	Monthly Principal and Interest(3)	Original Term to Maturity (mos.)	Remaining Term to Maturity (mos.)	Period from Issuance (mos.)	Issue Date	Lockout End Date(4)†	Prepayment Penalty End Date(5)†	Lockout/ Prepayment Penalty Code(6)	Remaining Lockout Period (mos.)(7)†	Total Remaining Lockout and Prepayment Penalty Period (mos.)(8)†	Remaining Interest Only Period (mos.)(9)
BP0807	PLC	207/223(f)	Dartmouth	MA	$18,246,043.20	3.450%	3.200%	0.250%	Oct-54	$82,079.78	421	355	66	Sep-19	Dec-19	Dec-29	E	0	56	0
BH2541	PLC	221(d)(4)	Alexandria	VA	7,798,638.28	4.590	4.340	0.250	Nov-63	35,943.50	481	464	17	Oct-23	Dec-23	Dec-33	E	0	104	0
BN0039	PLC	538	Indian Lake	TX	4,960,171.24	4.090	3.840	0.250	Sep-59	22,376.32	480	414	66	Sep-19	Nov-19	Nov-29	E	0	55	0
BD7491	PLC	221(d)(4)	Seattle	WA	4,774,875.32	4.030	3.780	0.250	Nov-59	(10)	469	416	53	Oct-20	N/A	Jan-30	H	N/A	57	0
BF8709	PLC	220	St. Louis	MO	2,664,653.31	3.810	3.560	0.250	Aug-60	11,432.15	471	425	46	May-21	N/A	Oct-30	I	N/A	66	0
BI3891	PLC	221(d)(4)	College Park	GA	2,052,002.24	4.630	4.380	0.250	Jul-60	9,839.87	471	424	47	Apr-21	N/A	Sep-30	A	N/A	65	0
BD9317	PLC	221(d)(4)	Apex	NC	1,638,674.38	3.450	3.200	0.250	Jun-60	6,700.54	464	423	41	Oct-21	N/A	Aug-30	J	N/A	64	0
BA4093	PLC	221(d)(4)	Fredericksburg	VA	1,635,222.98	3.690	3.440	0.250	Apr-60	6,931.39	476	421	55	Aug-20	N/A	Jun-30	C	N/A	62	0
AY8894	PLC	221(d)(4)	Midlothian	VA	1,515,764.37	3.800	3.550	0.250	Jul-59	6,591.69	452	412	40	Nov-21	N/A	Sep-29	M	N/A	53	0
AY8892	PLC	221(d)(4)	Manassas	VA	1,306,816.12	3.950	3.700	0.250	May-59	5,812.38	459	410	49	Feb-21	N/A	Jul-29	F	N/A	51	0
AY8918	PLC	221(d)(4)	Christiansburg	VA	762,403.01	3.950	3.700	0.250	Dec-58	3,410.82	466	405	61	Feb-20	N/A	Feb-29	G	N/A	46	0
BG4537	PLC	221(d)(4)	Tucson	AZ	733,825.55	4.280	4.030	0.250	Jun-60	3,363.25	443	423	20	Jul-23	N/A	Aug-30	N	N/A	64	0
BA4090	PLC	221(d)(4)	Blacksburg	VA	602,361.64	3.840	3.590	0.250	Sep-59	2,627.60	472	414	58	May-20	N/A	Nov-29	B	N/A	55	0
BI7728	PLC	232	Cheshire	CT	455,247.68	4.670	4.420	0.250	Jan-61	2,182.44	443	430	13	Feb-24	N/A	Mar-31	N	N/A	71	0
BO0311	PLC	221(d)(4)	Arlington	TX	375,746.12	3.960	3.710	0.250	Oct-61	1,621.79	472	439	33	Jun-22	N/A	Dec-31	B	N/A	80	0
BE9390	PLC	221(d)(4)	Baton Rouge	LA	333,944.15	3.870	3.620	0.250	Jun-59	1,467.75	477	411	66	Sep-19	N/A	Aug-29	D	N/A	52	0
BD9295	PLC	221(d)(4)	Fort Worth	TX	317,799.88	3.880	3.630	0.250	May-60	1,381.27	445	422	23	Apr-23	N/A	Jul-30	L	N/A	63	0
BJ5712	PLC	221(d)(4)	Kissimmee	FL	211,434.68	4.340	4.090	0.250	Sep-61	962.74	467	438	29	Oct-22	N/A	Nov-31	K	N/A	79	0

(1) Based on publicly available information, including the disclosure documents for the Ginnie Mae Multifamily Certificates, the information with respect to the Mortgage Loans set forth on this Exhibit A has been collected and summarized by the Sponsor. Capitalized terms have the meaning ascribed to them in the Offering Circular Supplement to which this Updated Exhibit A refers.

(2) Certain Mortgage Loans insured under FHA insurance program Section 223(f) cannot be prepaid for a period of five (5) years from the date of endorsement, unless prior written approval from FHA is obtained, regardless of any applicable lockout period associated with such mortgage loans.

(3) The principal and interest amounts shown in this column reflect only those amounts that are due in respect of the portion of each applicable Ginnie Mae Project Loan Certificate that is a Trust PLC.

(4) The Lockout End Date is the first month when a Mortgage Loan is no longer subject to any lockout for voluntary prepayments of principal. For purposes of determining the Lockout End Date in this Exhibit A, the Lockout End Date is based on the lockout period described in the note or other evidence of indebtedness without regard to any applicable statutory prepayment prohibition period.

(5) The Prepayment Penalty End Date is the first month when a Mortgage Loan is no longer subject to the payment of any Prepayment Penalties.

(6) In some circumstances FHA may permit an FHA-insured Mortgage Loan to be refinanced or prepaid without regard to any Lockout or Prepayment Penalty Code.

(7) The Remaining Lockout Period is the number of months from the Cut-off Date up to but not including the Lockout End Date.

(8) The Total Remaining Lockout and Prepayment Penalty Period is the number of months from the Cut-off Date up to but not including the later of the Prepayment Penalty End Date or Lockout End Date.

(9) The Remaining Interest Only Period reflects the number of months remaining before each Ginnie Mae Project Loan Certificate commences monthly payments of principal and interest.

(10) Pool Number BD7491, a Ginnie Mae Project Loan Certificate, converted from Pool Number BD7490, a Ginnie Mae Construction Loan Certificate, will have monthly principal and interest payments as described in this Supplement. *See "Certain Additional Characteristics of the Mortgage Loans — Level Payments" in this Supplement.*

† The Lockout End Date, Prepayment Penalty End Date, Remaining Lockout Period and Total Remaining Lockout and Prepayment Penalty Period are based on the Sponsor's interpretation of provisions in the related notes. Differing interpretations of these provisions can result in dates and periods that may vary by as much as one month.

Lockout and Prepayment Penalty Codes:

For each Lockout and Prepayment Penalty Code listed in the table below, lockout up to but not including the Lockout End Date to the extent applicable; from and including the Lockout End Date or to the extent that the Lockout End Date is N/A, after the Issue Date, the applicable Initial Prepayment Penalty Percentage indicated below will apply to any prepaid amount made during the applicable Initial Prepayment Penalty Percentage Term indicated below, which is the number of mortgage loan payment dates from and including the Lockout End Date or beyond the Issue Date, as applicable; thereafter, the applicable Subsequent Prepayment Penalty Percentages indicated below will apply to any prepaid amount, where each percentage applies for a period of twelve consecutive mortgage loan payment dates up to but not including the applicable Prepayment Penalty End Date.

Lockout/Prepayment Penalty Code	Initial Prepayment Penalty Percentage	Initial Prepayment Penalty Percentage Term	Subsequent Prepayment Penalty Percentage
A	10%	4	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
B	10%	5	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
C	10%	9	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
D	10%	10	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
E	10%	12	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
F	10%	16	7%, 6%, 5%, 4%, 3%, 2%, 1%
G	10%	23	7%, 6%, 5%, 4%, 3%, 2%, 1%
H	10%	26	7%, 6%, 5%, 4%, 3%, 2%, 1%
I	10%	52	5%, 4%, 3%, 2%, 1%
J	9%	9	8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
K	9%	12	8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
L	8%	2	7%, 6%, 5%, 4%, 3%, 2%, 1%
M	8%	9	7%, 6%, 5%, 4%, 3%, 2%, 1%
N	7%	12	6%, 5%, 4%, 3%, 2%, 1%

Ginnie Mae REMIC Trust 2019-144
Characteristics of the Ginnie Mae Multifamily Certificates and the Related Mortgage Loans(1)

Pool Number	Security Type	FHA Insurance Program/ Section 538 Guarantee Program(2)	City/ County	State	Principal Balance as of the Cut-off Date	Mortgage Interest Rate	Certificate Rate	Servicing and Guaranty Fee Rate	Maturity Date	Monthly Principal and Interest(3)	Original Term to Maturity (mos.)	Remaining Term to Maturity (mos.)	Period from Issuance (mos.)	Issue Date	Lockout End Date(4)†	Prepayment Penalty End Date(5)†	Lockout/ Prepayment Penalty Code(6)	Remaining Lockout Period (mos.)(7)†	Total Remaining Lockout and Prepayment Penalty Period (mos.)(8)†	Remaining Interest Only Period (mos.)(9)
BP0807	PLC	207/223(f)	Dartmouth	MA	$18,246,043.20	3.450%	3.200%	0.250%	Oct-54	$82,079.78	421	355	66	Sep-19	Dec-19	Dec-29	E	0	56	0
BP0806	PLC	207/223(f)	Newburyport	MA	16,446,987.90	3.540	3.290	0.250	Oct-54	74,810.08	421	355	66	Sep-19	Dec-19	Dec-29	E	0	56	0
BH2541	PLC	221(d)(4)	Alexandria	VA	11,915,686.71	4.590	4.340	0.250	Nov-63	54,918.76	481	464	17	Oct-23	Dec-23	Dec-33	E	0	104	0
BL2282	PLC	538	Charlottesville	VA	6,562,826.83	5.350	4.850	0.500	Nov-59	34,714.75	481	416	65	Oct-19	N/A	Jan-30	F	N/A	57	0
BM9984	PLC	221(d)(4)	Orlando	FL	5,544,161.59	3.800	3.550	0.250	Nov-61	23,371.09	467	440	27	Dec-22	N/A	Jan-32	O	N/A	81	0
BE8314	PLC	220	Everett	WA	3,906,632.25	3.750	3.500	0.250	Dec-61	16,334.10	471	441	30	Sep-22	N/A	Feb-32	A	N/A	82	0
BP6272	PLC	538	Norfolk	NE	2,960,970.61	4.680	4.000	0.680	Oct-59	14,413.49	480	415	65	Oct-19	Jan-20	Jan-30	E	0	57	0
BO1057	PLC	538/515	Coalinga	CA	2,312,347.76	4.700	4.200	0.500	Sep-59	11,284.98	479	414	65	Oct-19	Dec-19	Dec-29	E	0	56	0
BD7491	PLC	221(d)(4)	Seattle	WA	2,284,111.64	4.030	3.780	0.250	Nov-59	(10)	469	416	53	Oct-20	N/A	Jan-30	J	N/A	57	0
BD9317	PLC	221(d)(4)	Apex	NC	1,995,040.76	3.450	3.200	0.250	Jun-60	8,157.72	464	423	41	Oct-21	N/A	Aug-30	M	N/A	64	0
BA4093	PLC	221(d)(4)	Fredericksburg	VA	1,949,517.56	3.690	3.440	0.250	Apr-60	8,263.62	476	421	55	Aug-20	N/A	Jun-30	D	N/A	62	0
BG4537	PLC	221(d)(4)	Tucson	AZ	1,575,657.44	4.280	4.030	0.250	Jun-60	7,221.52	443	423	20	Jul-23	N/A	Aug-30	S	N/A	64	0
AY8892	PLC	221(d)(4)	Manassas	VA	1,379,113.59	3.950	3.700	0.250	May-59	6,133.94	459	410	49	Feb-21	N/A	Jul-29	G	N/A	51	0
BO2126	PLC	221(d)(4)	Knoxville	TN	1,297,884.62	3.990	3.740	0.250	Aug-61	(10)	460	437	23	Apr-23	N/A	Oct-31	L	N/A	78	0
BO2123	PLC	221(d)(4)	Tampa	FL	1,208,388.62	3.950	3.700	0.250	Apr-61	5,240.61	465	433	32	Jul-22	N/A	Jun-31	N	N/A	74	0
BI2379	PLC	538/515	St. George	UT	1,043,280.18	5.550	5.050	0.500	Sep-59	5,659.03	479	414	65	Oct-19	Dec-19	Dec-29	E	0	56	0
AY8894	PLC	221(d)(4)	Midlothian	VA	1,026,945.39	3.800	3.550	0.250	Jul-59	4,465.94	452	412	40	Nov-21	N/A	Sep-29	Q	N/A	53	0
BI2380	PLC	538/515	St. George	UT	966,709.81	5.550	5.050	0.500	Sep-59	5,243.68	479	414	65	Oct-19	Dec-19	Dec-29	E	0	56	0
BO1055	PLC	538	Penn Valley	CA	648,439.12	4.200	3.830	0.370	Jul-59	(11)	467	412	55	Aug-20	Feb-21	Feb-31	E	0	70	0
BO1059	PLC	538/515	Fernley	NV	552,888.47	6.000	5.170	0.830	Sep-59	3,163.73	479	414	65	Oct-19	Dec-19	Dec-29	E	0	56	0
BA4072	PLC	221(d)(4)	Marble Falls	TX	511,206.20	3.590	3.340	0.250	May-59	2,165.71	475	410	65	Oct-19	N/A	Jul-29	C	N/A	51	0
BK9893	PLC	231	Marietta	GA	453,197.43	3.990	3.740	0.250	May-61	1,974.35	475	434	41	Oct-21	N/A	Jul-31	C	N/A	75	0
BA4090	PLC	221(d)(4)	Blacksburg	VA	437,484.14	3.840	3.590	0.250	Sep-59	1,908.38	472	414	58	May-20	N/A	Nov-29	B	N/A	55	0
BI7728	PLC	232	Cheshire	CT	354,736.16	4.670	4.420	0.250	Jan-61	1,700.59	443	430	13	Feb-24	N/A	Mar-31	S	N/A	71	0
BO0311	PLC	221(d)(4)	Arlington	TX	312,930.82	3.960	3.710	0.250	Oct-61	1,350.67	472	439	33	Jun-22	N/A	Dec-31	B	N/A	80	0
BN4465	PLC	221(d)(4)	Corpus Christi	TX	296,626.73	4.270	4.020	0.250	Dec-61	1,334.02	445	441	4	Nov-24	N/A	Feb-32	P	N/A	82	0
BD9295	PLC	221(d)(4)	Fort Worth	TX	182,937.83	3.880	3.630	0.250	May-60	795.11	445	422	23	Apr-23	N/A	Jul-30	P	N/A	63	0
BA4076	PLC	221(d)(4)	Salisbury	NC	102,657.38	3.750	3.400	0.350	Sep-58	448.85	467	402	65	Oct-19	N/A	Nov-28	O	N/A	43	0
AY8883	PLC	221(d)(4)	Winchester	VA	101,919.72	3.730	3.480	0.250	Feb-59	441.70	468	407	61	Feb-20	N/A	Apr-29	I	N/A	48	0
BF8695	PLC	221(d)(4)	Waldorf	MD	73,588.13	3.890	3.640	0.250	Aug-59	323.55	476	413	63	Dec-19	N/A	Oct-29	K	N/A	54	0
AU6246	PLC	221(d)(4)	Pearland	TX	55,598.80	3.400	3.150	0.250	Jun-58	232.82	436	399	37	Feb-22	N/A	Aug-28	R	N/A	40	0
BD3154	PLC	221(d)(4)	Nashville	TN	44,270.90	3.900	3.650	0.250	Jun-59	195.37	467	411	56	Jul-20	N/A	Aug-29	H	N/A	52	0
BO2141	PLC	221(d)(4)	Asheville	NC	24,277.14	4.480	4.170	0.310	Sep-61	112.66	475	438	37	Feb-22	N/A	Nov-31	C	N/A	79	0

(1) Based on publicly available information, including the disclosure documents for the Ginnie Mae Multifamily Certificates, the information with respect to the Mortgage Loans set forth on this Exhibit A has been collected and summarized by the Sponsor. Capitalized terms have the meaning ascribed to them in the Offering Circular Supplement to which this Updated Exhibit A refers.

(2) Certain Mortgage Loans insured under FHA insurance program Section 223(f) cannot be prepaid for a period of five (5) years from the date of endorsement, unless prior written approval from FHA is obtained, regardless of any applicable lockout period associated with such mortgage loans.

(3) The principal and interest amounts shown in this column reflect only those amounts that are due in respect of the portion of each applicable Ginnie Mae Project Loan Certificate that is a Trust PLC.

(4) The Lockout End Date is the first month when a Mortgage Loan is no longer subject to any lockout for voluntary prepayments of principal. For purposes of determining the Lockout End Date in this Exhibit A, the Lockout End Date is based on the lockout period described in the note or other evidence of indebtedness without regard to any applicable statutory prepayment prohibition period.

(5) The Prepayment Penalty End Date is the first month when a Mortgage Loan is no longer subject to the payment of any Prepayment Penalties.

(6) In some circumstances FHA may permit an FHA-insured Mortgage Loan to be refinanced or prepaid without regard to any Lockout or Prepayment Penalty Code.

(7) The Remaining Lockout Period is the number of months from the Cut-off Date up to but not including the Lockout End Date.

(8) The Total Remaining Lockout and Prepayment Penalty Period is the number of months from the Cut-off Date up to but not including the later of the Prepayment Penalty End Date or Lockout End Date.

(9) The Remaining Interest Only Period reflects the number of months remaining before each Ginnie Mae Project Loan Certificate commences monthly payments of principal and interest.

(10) Pool Numbers BD7491 and BO2126, each a Ginnie Mae Project Loan Certificate, converted from Pool Numbers BD7490 and BO2125, respectively, each a Ginnie Mae Construction Loan Certificate, will have monthly principal and interest payments as described in this Supplement. *See "Certain Additional Characteristics of the Mortgage Loans — Level Payments" in this Supplement.*

(11) Pool Number BO1055 will have an amortization schedule providing for level monthly principal and interest payments in the amount of $2,934.21 for each payment date prior to the related maturity date, with a balloon payment equal to the remaining unpaid principal balance of the Mortgage Loan plus accrued interest thereon to be due as of its maturity date.

† The Lockout End Date, Prepayment Penalty End Date, Remaining Lockout Period and Total Remaining Lockout and Prepayment Penalty Period are based on the Sponsor's interpretation of provisions in the related notes. Differing interpretations of these provisions can result in dates and periods that may vary by as much as one month.

Lockout and Prepayment Penalty Codes:

For each Lockout and Prepayment Penalty Code listed in the table below, lockout up to but not including the Lockout End Date to the extent applicable; from and including the Lockout End Date or to the extent that the Lockout End Date is N/A, after the Issue Date, the applicable Initial Prepayment Penalty Percentage indicated below will apply to any prepaid amount made during the applicable Initial Prepayment Penalty Percentage Term indicated below, which is the number of mortgage loan payment dates from and including the Lockout End Date or beyond the Issue Date, as applicable; thereafter, the applicable Subsequent Prepayment Penalty Percentages indicated below will apply to any prepaid amount, where each percentage applies for a period of twelve consecutive mortgage loan payment dates up to but not including the applicable Prepayment Penalty End Date.

Lockout/Prepayment Penalty Code	Initial Prepayment Penalty Percentage	Initial Prepayment Penalty Percentage Term	Subsequent Prepayment Penalty Percentage
A	10%	4	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
B	10%	5	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
C	10%	8	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
D	10%	9	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
E	10%	12	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
F	10%	14	9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
G	10%	16	7%, 6%, 5%, 4%, 3%, 2%, 1%
H	10%	24	7%, 6%, 5%, 4%, 3%, 2%, 1%
I	10%	25	7%, 6%, 5%, 4%, 3%, 2%, 1%
J	10%	26	7%, 6%, 5%, 4%, 3%, 2%, 1%
K	10%	33	7%, 6%, 5%, 4%, 3%, 2%, 1%
L	9%	5	8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
M	9%	9	8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
N	9%	10	8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
O	9%	12	8%, 7%, 6%, 5%, 4%, 3%, 2%, 1%
P	8%	2	7%, 6%, 5%, 4%, 3%, 2%, 1%
Q	8%	9	7%, 6%, 5%, 4%, 3%, 2%, 1%
R	7%	5	6%, 5%, 4%, 3%, 2%, 1%
S	7%	12	6%, 5%, 4%, 3%, 2%, 1%

$1,017,108,107
(Notional Balance)

Government National Mortgage Association

GINNIE MAE®

Guaranteed Multifamily REMIC Pass-Through Securities
Ginnie Mae REMIC Trust 2025-038

OFFERING CIRCULAR SUPPLEMENT

March 24, 2025

BMO

Ramirez and Co., Inc.