

## Fannie Mae GeMS<sup>TM</sup> Guaranteed REMIC Fannie Mae Multifamily REMIC Trust 2014-M12 Structural and Collateral Term Sheet

As of October 8, 2014

## Fannie Mae Structured Pass-Through Certificates Series 2014-M12, Class FA, ASV1 & ASV2 Certificates

## \$1,321,429,680

(Approximate Offered Certificates)

# **Credit Suisse**

Lead Manager and Bookrunner

Citigroup

Co-Manager

Deutsche Bank Securities Co-Manager The information contained in the attached materials (the "Information") has been provided to Credit Suisse Securities (USA) LLC ("CS") by the Federal National Mortgage Association ("FNMA") and is preliminary and subject to change. The Information does not include all of the information required to be included in the prospectus supplement relating to the securities. As such, the Information may not reflect the impact of all structural characteristics of the securities. The assumptions underlying the Information, including structure and collateral, may be modified from time to time to reflect changed circumstances. Prospective purchasers are recommended to review the final prospectus supplement and the related base prospectus relating to the securities ("Offering Documents") discussed in this communication. Offering Documents contain data that is current as of their publication dates and after publication may no longer be complete or current. Final Offering Documents may be obtained from FNMA by calling toll free 1-800-237-8627 or CS by calling toll-free 1-800-221-1037.

There shall not be any offer or sale of the securities discussed in this communication in any jurisdiction in which such offer, solicitation or sale would be unlawful prior to registration or qualification under the securities laws of any such jurisdiction.

The analyses, calculations and valuations herein are based on certain assumptions and data provided by third parties that may vary from the actual characteristics of the pool. Neither CS nor the issuer has verified these analyses, calculations or valuations. Neither CS nor the issuer has undertaken to update or amend the Information since the date it was issued. More current information may be available publicly from other sources.

The investment described in this term sheet is a structured financial product. These securities are complex instruments intended for sale only to sophisticated investors who understand and assume the risks involved with the purchase thereof. The risks associated with the securities may significantly reduce an investor's expected yield and expected return of principal, and/or reduce an investor's ability to sell or obtain market value information about the securities. Investors should independently evaluate the risks associated with the securities and consult their own professional advisors. These risks may include, but may not be limited to:

- The performance of the collateral may be correlated due to economic or other factors that may diminish the value of the securities.
- The performance of the collateral and the value of the securities may be largely dependent on the quality of the origination and servicing of the collateral.
- The securities may be substantially dependent on the claims-paying ability of insurers or guarantors, as further described in the Offering Documents.
- The value of the securities may be diminished by market conditions unrelated to the performance of the securities.

The attached material may not be forwarded or provided by you to any other person. An investor or potential investor in the securities (and each employee, representative, or other agent of such person or entity) may disclose to any and all persons, without limitation, the tax treatment and tax structure of the transaction (as defined in United States Treasury Regulation Section 1.6011-4) and all related materials of any kind, including opinions or other tax analyses, that are provided to such person or entity. However, such person or entity may not disclose any other information relating to this transaction unless such information is related to such tax treatment and tax structure.



### **Table of Contents**

CONTACTS	4
DEAL STRUCTURE	5
ISSUE CHARACTERISTICS – GROUP 1	6
ISSUE CHARACTERISTICS – GROUP 2	8
STRUCTURAL OVERVIEW – GROUP 1	
STRUCTURAL OVERVIEW – GROUP 2	11
COLLATERAL OVERIEW - GROUP 1	
COLLATERAL OVERIEW - GROUP 2	14
COLLATERAL STRATIFICATION – GROUP 1	15
COLLATERAL STRATIFICATION – GROUP 2	21



#### Contacts

Credit Suisse		
<u>Trading:</u>	<u>Tel</u>	<u>Email</u>
Chris Callahan	(212) 325-4240	chris.callahan@credit-suisse.com
George Geotes	(212) 325-4240	george.geotes@credit-suisse.com
Jeff Goldberg	(212) 325-4240	jeff.goldberg@credit-suisse.com
Karen Cady	(212) 325-4240	karen.cady@credit-suisse.com
Structuring:	Tel	Email
Chris Anderson	(212) 325-3619	chris.anderson@credit-suisse.com
<u>Citigroup</u>		
CMBS Trading:	<u>Tel</u>	<b>Email</b>
Chris Dunne	(212) 723-6156	christopher.dunne@citi.com
CMBS Banking/Structuring:		
Paul Vanderslice	(212) 723-1295	paul.t.vanderslice@citi.com
Raul Orazco	(212) 723-1295	raul.d.orozco@citi.com
<b>Deutsche Bank Securities</b>		
CMBS Trading:	<u>Tel</u>	<u>Email</u>
Arnie Zhou	(212) 250-8898	arnie.zhou@db.com
Russell Mckay	(212) 250-8898	russell.mckay@db.com
CMBS Banking:	<u>Tel</u>	<u>Email</u>

 CMBS Banking:
 Tel

 R. Chris Jones
 (212) 250-2784

 H.J. Kim
 (212) 250-8940

rcjones@db.com alexis.kim@db.com



			Deal S	Structure			
Group	Class	Approximate Initial Certificate Balance or Notional Amount	% of Initial Group Certificate Balance	Expected Weighted Average Life (Years) <sup>(4)</sup>	Expected Principal Window (Months) <sup>(4)</sup>	Coupon Type	Pricing Speed
1	FA	[719,949,655]	[100.00%]	[5.67]	[1-84]	Floater/AFC <sup>(5)</sup>	0CPY
1	FX <sup>(1,3)</sup>	[719,949,655]	N/A	N/A	N/A	WAC IO <sup>(6)</sup>	100CPY
2	ASV1	[53,300,000]	[8.86%]	[3.52]	[1-76]	[Fixed]	0CPY
2	ASV2	[548,180,025]	[91.14%]	[6.73]	[76-84]	[Fixed/AFC]	0CPY
2	X2 <sup>(2,3)</sup>	[601,480,025]	N/A	N/A	N/A	WAC IO	100CPY

<sup>(1)</sup> The Class FX Notional Amount is equal to the principal balance of Class FA.

<sup>(2)</sup> The Class X2 Notional Amount is equal to the principal balance of Classes ASV1 and ASV2.

<sup>(3)</sup> Not offered.

<sup>(4)</sup> Calculated at 0 CPY.

<sup>(5)</sup> The Class FA coupon will be equal to 1 month LIBOR plus [%] subject to a cap equal to the weighted average MBS Pass-Thru Rate of the Group 1 Collateral Pool for such distribution date.

<sup>(6)</sup> The Class FX coupon will be equal to the positive difference between the weighted average MBS Pass-Thru Rate of the Group 1 Collateral Pool for such distribution date less the Class FA coupon for such distribution date.



Issue	e Characteristics – Group 1
Lead Manager:	Credit Suisse Securities (USA) LLC
Co-Managers	Citigroup and Deutsche Bank Securities
• Issuer:	Federal National Mortgage Association ("Fannie Mae")
• Issuing Entity:	Fannie Mae Multifamily REMIC Trust 2014-M12, a trust to be formed by Fannie Mae.
• Trustee:	Fannie Mae
• Cut-off Date:	October 1, 2014
• Settlement Date:	October 30, 2014
• Distribution Date:	Monthly on the 25 <sup>th</sup> , or if such is not a business day, the following business day, commencing November 2014.
• Accrual:	The Class FA and Class FX Certificates will accrue interest on an Actual/360 basis during the preceding calendar month.
• LIBOR Determination:	15 calendar day look back
• ERISA:	It is expected that all offered certificates will be ERISA eligible.
• Tax Status:	Double REMIC Series
• Form of Offering:	The certificates are exempt from registration under the Securities Act of 1933 and are "exempted securities" under the Securities Exchange Act of 1934.
Offered Certificates:	The Class FA Certificates
• Optional Termination:	None
• Minimum Denominations:	\$100,000 for Class FX and \$1,000 for Class FA, \$1 in excess thereof
• Settlement Terms:	Book-Entry except for Classes R and RL



#### **Issue Characteristics – Group 1 (cont.)**

- Analytics: Cash flows are expected to be available through Bloomberg, L.P., Intex Solutions, Inc., and Trepp LLC.
- Bloomberg Ticker: FNA 2014-M12 <MTGE><GO>
- Risk factors:
   THE CERTIFICATES INVOLVE CERTAIN RISKS
   AND MAY NOT BE SUITABLE FOR ALL
   INVESTORS. SEE THE "RISK FACTORS"
   SECTION OF FANNIE MAE'S MULTIFAMILY
   REMIC PROSPECTUS.



Issue	Characteristics – Group 2
Lead Manager:	Credit Suisse Securities (USA) LLC
Co-Mangers	Citigroup and Deutsche Bank Securities
• Issuer:	Federal National Mortgage Association ("Fannie Mae")
• Issuing Entity:	Fannie Mae Multifamily REMIC Trust 2014-M12, a trust to be formed by Fannie Mae.
• Trustee:	Fannie Mae
• Cut-off Date:	October 1, 2014
• Settlement Date:	October 30, 2014
Distribution Date:	Monthly on the 25 <sup>th</sup> , or if such is not a business day, the following business day, commencing November 2014.
• Accrual:	The Class ASV1, Class ASV2 and Class X2 Certificates will accrue interest on a 30/360 basis during the preceding calendar month.
• ERISA:	It is expected that all offered certificates will be ERISA eligible.
• Tax Status:	Double REMIC Series
• Form of Offering:	The certificates are exempt from registration under the Securities Act of 1933 and are "exempted securities" under the Securities Exchange Act of 1934.
Offered Certificates:	The Class ASV1 and Class ASV2 Certificates
Optional Termination:	None
Minimum Denominations:	\$100,000 for Class X2 and \$1,000 for Class ASV1 and Class ASV2, \$1 in excess thereof.
• Settlement Terms:	Book-Entry except for Classes R and RL



#### **Issue Characteristics – Group 2 (cont.)**

- Analytics: Cash flows are expected to be available through Bloomberg, L.P., Intex Solutions, Inc., and Trepp LLC.
- Bloomberg Ticker: FNA 2014-M12 <MTGE><GO>
- Risk factors:
   THE CERTIFICATES INVOLVE CERTAIN RISKS
   AND MAY NOT BE SUITABLE FOR ALL
   INVESTORS. SEE THE "RISK FACTORS"
   SECTION OF FANNIE MAE'S MULTIFAMILY
   REMIC PROSPECTUS.



#### **Structural Overview – Group 1**

•	Amount of Distributions:	On each Distribution Date, certificateholders will be entitled to receive interest and any principal required to be paid on their certificates on such Distribution Date, distributed from funds available for distribution from the related MBS pools.
•	Priority of Principal:	The Group 1 Principal Distribution Amount for any Distribution Date will be allocated as follows:
		1. To the Class FA, until retired.
•	Call Protection:	105 underlying loans (representing 100% of Group 1) provide for a remaining lockout term. The Group 1 Collateral Pool has a weighted average remaining lockout term of [2] <sup>(1)(2)</sup> months.
•	Guarantee:	All underlying pools will be guaranteed by Fannie Mae with respect to the full and timely payment of interest and principal. Fannie Mae's guarantee does not cover any prepayment premium payments due on the underlying mortgage loans.

<sup>(1)</sup> Remaining Lockout Term is calculated from the end of month of the Cut-off Date to the Lockout End Date and would be one month longer if calculated from the beginning of the month of the Cut-off Date to the Lockout End Date.

<sup>(2)</sup> For more detail on collateral call protection, see Collateral Overview – Group 1.



#### **Structural Overview – Group 2**

•	Amount of Distributions:	On each Distribution Date, certificateholders will be entitled to receive interest and any principal required to be paid on their certificates on such Distribution Date, distributed from funds available for distribution from the related MBS pools.
•	Priority of Principal:	<ul><li>The Group 2 Principal Distribution Amount for any Distribution Date will be allocated as follows:</li><li>1. To the ASV1 and ASV2 Classes, in that order,</li></ul>
		until retired.
•	Prepayment Premiums Distribution:	Any Group 2 prepayment premiums that are included in the MBS distributions for any Distribution Date will be allocated to the ASV1, ASV2 and X2 Classes as follows:
		1. To each of the ASV1 and ASV2 Classes, an amount equal to 30% of the Group 2 prepayment premiums for that distribution date, multiplied by the percentage equivalent of a fraction, the numerator of which is the principal payable to that Class on that date and the denominator of which is the Group 2 Principal Distribution Amount for that date;
		2. To the X2 Class, an amount equal to 70% of the Group 2 prepayment premiums.
•	Call Protection:	59 underlying loans (representing 100% of Group 2) provide for a remaining yield maintenance term. The Group 2 Collateral Pool has a weighted average remaining yield maintenance term of [74] <sup>(1)</sup> months.

(1) Remaining Yield Maintenance term (months) is calculated from the end of month of the Cut-off Date to the Prepayment Premium End Date and would be one month longer if calculated from the beginning of the month of the Cut-off Date to the Prepayment Premium End Date.



#### **Structural Overview – Group 2 (cont.)**

• Guarantee:

All underlying pools will be guaranteed by Fannie Mae with respect to the full and timely payment of interest and principal. Fannie Mae's guarantee does not cover any prepayment premium payments due on the underlying mortgage loans.



#### **Collateral Overview – Group 1**

**Fannie Mae 7-6<sup>TM</sup> Program:** Collateral Group 1 comprises 105 loans all originated under Fannie Mae's 7-6<sup>TM</sup> program. All loans are 1-month LIBOR floaters with a 6% lifetime Pass-through caps and 1% periodic caps.

**Call Protection:** The Mortgage Loans are locked out from prepayment during the first 12 months following origination. Thereafter, the loans can be prepaid by paying a prepayment premium, generally equal to 1% of the outstanding principal loan balance, until the Prepayment Premium End Date, which is generally 90 days prior to loan maturity (prepayment premiums collected are not passed through to the investor).

**Conversion:** The underlying loan in an ARM 7-6<sup>TM</sup> MBS may be converted to a fixed rate loan on any rate change date beginning on the first day of the second loan year and ending on the first day of the sixth loan year, provided the loan has not been delinquent during the previous 12 months and the borrower is not in default under any loan documents. At the time of conversion, the loan is removed from the MBS, the MBS is terminated, there is no prepayment premium charged, and the investor is paid off at par. More information on the ARM 7-6<sup>TM</sup> loans can be found by visiting Fannie Mae's website at:

https://www.efanniemae.com/mf/finsolutions/rateopsfeats/pdf/arm76.pdf

Aggregate Cut-off Date Balance:	\$719,949,656
Number of Mortgage Loans:	105
• Number of Underlying Pools:	105
• Average Cut-off Date Balance per Mortgage Loan:	\$6,856,663
Approximate Weighted Average Initial Pass-Through Rate:	1.770%
• Weighted Average Original Term to Maturity (months):	84
• Weighted Average Remaining Term to Maturity (months):	72
Weighted Average Seasoning (months):	12
• Weighted Average Remaining Lockout Term (months) <sup>(1)</sup> :	2
Weighted Average Net Margin:	1.617%
Weighted Average Pass-Through Cap :	6.0%
Weighted Average Periodic Cap(+/-):	1.0%

<sup>(1)</sup> Remaining Lockout Term is calculated from the end of month of the Cut-off Date to the Lockout End Date and would be one month longer if calculated from the beginning of the month of the Cut-off Date to the Lockout End Date.

More information regarding the DUS MBS program can be found on Fannie Mae's website at: http://www.fanniemae.com/resources/file/mbs/pdf/mbsenger\_120413.pdf



#### **Collateral Overview – Group 2**

•	Aggregate Cut-off Date Balance:	\$601,480,025
•	Number of Mortgage Loans:	59
•	Number of Underlying Pools:	52
•	Average Cut-off Date Balance per Mortgage Loan:	10,194,577
•	Weighted Average Mortgage Rate:	3.999%
•	Weighted Average MBS Passthrough Rate:	2.851%
•	Weighted Average Original Term to Maturity (months):	90
•	Weighted Average Remaining Term to Maturity (months):	81
•	Weighted Average Seasoning (months):	9
•	Weighted Average Remaining Yield Maintenance (months) <sup>(1)</sup> :	74

(1) Remaining Yield Maintenance term (months) is calculated from the end of month of the Cut-off Date to the Prepayment Premium End Date and would be one month longer if calculated from the beginning of the month of the Cut-off Date to the Prepayment Premium End Date.

More information regarding the DUS MBS program can be found on Fannie Mae's website at: http://www.fanniemae.com/resources/file/mbs/pdf/mbsenger\_120413.pdf



#### **Collateral Stratification – Group 1**

State	Number of Underlying Securities	Cut-off Principal Balance	% of Cut- off Principal Balance	Weighted Average ARM Gross Margin	Weighted Average ARM Net Margin	Weighted Average Original Term to Maturity (Months)	Weighted Average Remaining Term to Maturity (Months)	Weighted Average Loan Age (Months)	Weighted Awerage Remaining Lockout Term (Months) (1)
AL	2	\$ 14,078,452	1.96%	3.374%	1.639%	84	69	15	1
CA	14	161,155,678	22.38%	3.107%	1.489%	84	73	11	3
CO	1	1,915,719	0.27%	3.680%	1.700%	84	72	12	0
FL	7	40,697,059	5.65%	3.336%	1.587%	84	72	12	3
GA	6	26,534,488	3.69%	3.072%	1.430%	84	71	13	3
IL	1	12,821,488	1.78%	2.630%	1.050%	84	81	3	8
IN	1	1,750,309	0.24%	3.520%	1.500%	84	61	23	0
LA	3	12,323,274	1.71%	3.338%	1.535%	84	75	9	6
MD	1	1,615,565	0.22%	3.580%	1.600%	84	74	10	1
MN	1	2,567,385	0.36%	3.330%	1.500%	84	58	26	0
MS	2	7,545,692	1.05%	3.505%	1.610%	84	70	14	0
NC	4	11,872,506	1.65%	3.162%	1.349%	84	76	8	5
NJ	1	7,386,896	1.03%	3.670%	1.790%	84	65	19	0
NV	1	8,534,232	1.19%	3.380%	1.500%	84	63	21	0
NY	2	25,712,272	3.57%	3.610%	1.932%	84	76	8	3
OH	5	41,048,731	5.70%	3.425%	1.725%	84	72	12	2
OR	1	4,954,517	0.69%	3.420%	1.600%	84	78	6	5
PA	5	15,785,117	2.19%	3.492%	1.601%	84	79	5	6
RI	1	3,571,437	0.50%	3.300%	1.540%	84	59	25	0
SC	3	13,677,665	1.90%	2.873%	1.248%	84	75	9	5
TN	8	55,645,945	7.73%	3.421%	1.731%	84	69	15	1
TX	32	230,244,328	31.98%	3.429%	1.723%	84	72	12	1
VA	2	13,827,642	1.92%	3.330%	1.651%	84	76	8	3
WI	1	4.683.259	0.65%	3.480%	1.600%	84	71	13	0

		ι	Jnderlying	g Securiti	es by Fann	ie Mae MI	BS Prefix*			
	Number of			% of Cut-	Weighted	Weighted	Weighted Average Original Term	Weighted Average Remaining Term	Weighted Average	Weighted Average Remaining
MBS Prefix		Cut	-off Principal Balance		Average ARM Gross Margin		to Maturity (Months)	to Maturity (Months)	Loan Age (Months)	Lockout Term (Months) (1)
HA	105	\$	719,949,656	100.00%	3.315%	1.617%	84	72	12	2
Total / WA	105	\$	719,949,656	100.00%	3.315%	1.617%	84	72	12	2

\*Prefix definitions can be found by visiting Fannie Mae's website at: http://www.fanniemae.com/resources/file/mbs/pdf/pool-prefix-glossary.pdf

	Number of Underlying	Cu	t-off Principal	% of Cut- off Principal	Weighted Average ARM	Weighted Average ARM	Weighted Average Original Term to Maturity	Weighted Average Remaining Term to Maturity	Weighted Average Loan Age	Weighted Average Remaining Lockout Terr
Amortization Type	Securities		Balance	Balance	<b>Gross Margin</b>	Net Margin	(Months)	(Months)	(Months)	(Months) (1)
Amortizing Balloon	93	\$	612,708,956	85.10%	3.344%	1.617%	84	72	12	2
Partial IO Balloon	10		84,140,700	11.69%	3.320%	1.705%	84	73	11	1
Full Term IO Balloon	2		23,100,000	3.21%	2.538%	1.289%	84	81	3	8

(1) Remaining Lockout Term is calculated from the end of month of the Cut-off Date to the Lockout End Date and would be one month longer if calculated from the beginning of the month of the Cut-off Date to the Lockout End Date.



	Underlying Securities by Original Term To Maturity													
Original Term to Maturity	Number of Underlying	Cu	t-off Principal	% of Cut- off Principal	Weighted Average ARM	Weighted Average ARM	Weighted Awerage Original Term to Maturity	Weighted Average Remaining Term to Maturity	Weighted Awerage Loan Age	Weighted Average Remaining Lockout Term				
(Months)	Securities		Balance	Balance	Gross Margin	Net Margin	(Months)	(Months)	(Months)	(Months) (1)				
84	105	\$	719,949,656	100.00%	3.315%	1.617%	84	72	12	2				
Total / WA	105	\$	719,949,656	100.00%	3.315%	1.617%	84	72	12	2				

		Underlying	Securities	s by Remain	ning Term	To Maturit	y		
	Number of		% of Cut-	Weighted	Weighted	Weighted Awerage Original Term	Weighted Awerage Remaining Term	Weighted Average	Weighted Average Remaining
Remaining Term to Maturity	Underlying	Cut-off Princip	al off Principal	Average ARM	Average ARM	to Maturity	to Maturity	Loan Age	Lockout Tern
Range (Months)	Securities	Balance	Balance	Gross Margin	Net Margin	(Months)	(Months)	(Months)	(Months) (1)
58 to 61	11	\$ 52,539,82	5 7.30%	3.176%	1.519%	84	60	24	0
62 to 65	15	130,555,87	9 18.13%	3.310%	1.553%	84	64	20	0
66 to 69	4	29,702,15	2 4.13%	3.430%	1.587%	84	67	17	0
70 to 73	25	173,173,39	2 24.05%	3.509%	1.762%	84	72	12	0
74 to 77	23	154,158,71	5 21.41%	3.574%	1.851%	84	75	9	2
78 to 81	16	102,595,74	3 14.25%	3.161%	1.498%	84	79	5	6
82 to 84	11	77,223,95	0 10.73%	2.628%	1.166%	84	83	1	10
Total / WA	105	\$ 719,949,65	6 100.00%	3.315%	1.617%	84	72	12	2

			Ur	nderlying	Securities	by Loan A	ge			
	. 0	Cut-	-	-	Weighted Average ARM	Weighted Average ARM	to Maturity	Weighted Average Remaining Term to Maturity	Weighted Average Loan Age	Weighted Awerage Remaining Lockout Term
Loan Age Range (Months)	Securities		Balance	Balance	Gross Margin	Net Margin	(Months)	(Months)	(Months)	(Months) (1)
0 to 4	19	\$	129,278,447	17.96%	2.732%	1.175%	84	82	2	9
5 to 8	16		102,968,362	14.30%	3.422%	1.741%	84	77	7	4
9 to 12	35		248,016,051	34.45%	3.582%	1.854%	84	73	11	1
13 to 16	7		37,508,642	5.21%	3.491%	1.633%	84	70	14	0
17 to 20	7		70,654,465	9.81%	3.415%	1.598%	84	65	19	0
21 to 24	16		109,213,843	15.17%	3.183%	1.512%	84	62	22	0
25 to 26	5		22,309,845	3.10%	3.266%	1.506%	84	59	25	0
Total / WA	105	\$ 3	719.949.656	100.00%	3.315%	1.617%	84	72	12	2

			Unde	erlying Se	ecurities by	Property 7	Гуре			
		Cu			Weighted Average ARM	Weighted Average ARM	to Maturity	Weighted Average Remaining Term to Maturity	Weighted Average Loan Age	Weighted Average Remaining Lockout Ter
Property Type	Securities		Balance	Balance	Gross Margin	Net Margin	(Months)	(Months)	(Months)	(Months) (1
Multifamily	102	\$	690,222,282	95.87%	3.329%	1.626%	84	72	12	2
Manufactured Housing	1		16,000,000	2.22%	2.320%	1.120%	84	83	1	10
Dedicated Student	1		9,435,895	1.31%	3.830%	1.750%	84	72	12	0
Military	1		4,291,478	0.60%	3.580%	1.700%	84	75	9	2
Total / WA	105	\$	719,949,656	100.00%	3.315%	1.617%	84	72	12	2

<sup>(1)</sup> Remaining Lockout Term is calculated from the end of month of the Cut-off Date to the Lockout End Date and would be one month longer if calculated from the beginning of the month of the Cut-off Date to the Lockout End Date.



	. 0	Cut-off Principal	•	0	Weighted Average ARM	to Maturity	Weighted Average Remaining Term to Maturity	Weighted Average Loan Age	Weighted Average Remaining Lockout Tern
Loan Note Rate Range	Securities	Balance	Balance	Gross Margin	Net Margin	(Months)	(Months)	(Months)	(Months) (1)
2.230% to 2.499%	3	\$ 27,077,000	3.76%	2.342%	1.099%	84	83	1	10
2.500% to 2.999%	12	84,834,498	11.78%	2.712%	1.123%	84	80	4	8
3.000% to 3.499%	61	409,286,133	56.85%	3.301%	1.610%	84	70	14	1
3.500% to 3.999%	28	195,006,520	27.09%	3.727%	1.908%	84	73	11	1
4.000% to 4.080%	1	3,745,504	0.52%	4.080%	2.100%	84	76	8	3

 Max Weighted Average Arm Gross Margin:
 4.080%

 Min Weighted Average Arm Gross Margin:
 2.230%

 Weighted Average Arm Gross Margin:
 3.315%

	iying v	Cut-off Principal	off Principal	Weighted Average ARM	Weighted Average ARM	Original Term to Maturity	Remaining Term to Maturity	Average Loan Age	Remaining Lockout Terr
Pass Through Rate Range Secu	rities	Balance	Balance	Gross Margin	Net Margin	(Months)	(Months)	(Months)	(Months) (1
1.050% to 1.249%	3	\$ 102,591,977	14.25%	2.597%	1.088%	84	82	2	9
1.250% to 1.499%	l	3,528,161	0.49%	2.835%	1.255%	84	83	1	10
1.500% to 1.749%	7	390,449,653	54.23%	3.305%	1.566%	84	69	15	1
1.750% to 1.999%	3	113,007,314	15.70%	3.530%	1.815%	84	73	11	1
2.000% to 2.110%	1	110,372,552	15.33%	3.814%	2.095%	84	74	10	2

Max Weighted Average Arm Net Margin: Min Weighted Average Arm Net Margin: Weighted Average Arm Net Margin: 2.110%

1.050%

1.617%

80.00% 41.00% 70.15%

	Number of Underlying	Cut-off Principal	% of Cut-	Weighted Average ARM	Weighted Average ARM	Weighted Average Original Term to Maturity	Weighted Average Remaining Term to Maturity	Weighted Average Loan Age	Weighted Average Remaining Lockout Terr
At Issuance LTV Range	Securities	Balance	Balance	Gross Margin	Net Margin	(Months)	(Months)	(Months)	(Months) (1
41.000% to 49.999%	2	\$ 23,100,000	3.21%	2.538%	1.289%	84	81	3	8
50.000% to 59.999%	3	35,019,621	4.86%	3.138%	1.371%	84	68	16	2
60.000% to 69.999%	35	254,486,956	35.35%	3.322%	1.667%	84	70	14	1
70.000% to 79.999%	48	303,340,152	42.13%	3.430%	1.665%	84	73	11	2
80.000% to 80.000%	17	104,002,927	14.45%	3.196%	1.510%	84	76	8	5
Total / WA	105	\$ 719,949,656	100.00%	3.315%	1.617%	84	72	12	2

Maximum At Issuance LTV:	
Minimum At Issuance LTV:	
Weighted Average At Issuance LTV:	

(1) Remaining Lockout Term is calculated from the end of month of the Cut-off Date to the Lockout End Date and would be one month longer if calculated from the beginning of the month of the Cut-off Date to the Lockout End Date.



Most Recent DSCR Range	Number of Underlying Securities	Cut-off Principal Balance	% of Cut- off Principal Balance	Weighted Average ARM Gross Margin	Weighted Average ARM Net Margin	Average Original Term to Maturity (Months)	Average Remaining Term to Maturity (Months)	Weighted Average Loan Age (Months)	Average Remaining Lockout Terr (Months) (1)
1.150x to 1.499x	10	\$ 52,262,710	7.26%	3.268%	1.505%	84	66	18	1
1.500x to 1.999x	71	504,481,763	70.07%	3.372%	1.648%	84	73	11	3
2.000x to 2.499x	11	75,774,951	10.53%	3.335%	1.656%	84	71	13	2
2.500x to 2.999x	7	48,933,100	6.80%	3.241%	1.593%	84	71	13	1
3.000x to 3.499x	4	15,538,132	2.16%	3.171%	1.612%	84	70	14	1
3.500x to 3.999x	1	6,959,000	0.97%	2.460%	1.080%	84	84	0	11
4.500x to 4.820x	1	16,000,000	2.22%	2.320%	1.120%	84	83	1	10
Total / WA	105	\$ 719,949,656	100.00%	3.315%	1.617%	84	72	12	2

					ι	Un	derlying So	ecurities	by Cut-off	Date Princ	ipal Balanc	e		
с	ut-off Date I	rinc	ipa	ll Balance	Number of Underlying	Cu	t-off Principal	% of Cut- off Deal	Weighted Average ARM	Weighted Average ARM	Weighted Awerage Original Term to Maturity	Weighted Awerage Remaining Term to Maturity	Weighted Average Loan Age	Weighted Average Remaining Lockout Term
	R	ange	÷		Securities		Balance	Balance	Gross Margin	Net Margin	(Months)	(Months)	(Months)	(Months) (1)
\$	1,613,000	to	\$	3,999,999	33	\$	94,771,247	13.16%	3.320%	1.525%	84	72	12	3
\$	4,000,000	to	\$	6,999,999	32		172,737,122	23.99%	3.310%	1.586%	84	72	12	2
\$	7,000,000	to	\$	9,999,999	19		154,381,521	21.44%	3.389%	1.682%	84	73	11	2
\$	10,000,000	to	\$	12,999,999	11		129,278,265	17.96%	3.298%	1.583%	84	72	12	2
\$	13,000,000	to	\$	15,999,999	4		56,002,412	7.78%	3.389%	1.747%	84	73	11	1
\$	16,000,000	to	\$	18,999,999	4		68,720,858	9.55%	3.168%	1.570%	84	71	13	3
\$	19,000,000	to	\$	21,999,999	1		19,063,230	2.65%	2.624%	1.184%	84	82	2	9
\$	22,000,000	to	\$	24,999,999	1		24,995,000	3.47%	3.730%	2.110%	84	72	12	0
	Tot	al / V	VA		105	\$	719,949,656	100.00%	3.315%	1.617%	84	72	12	2

			% of Cut-		Awrage	Weighted Average	Weighted	Weighted Awerage Original	Weighted Average Remaining	Weighted	Weighted Average
	Number of	Cut-off	off	Weighted	Most	ARM	Awrage	Term to	Term to	Average	Remaining
	Underlying	Principal	Principal	Awrage At	Recent	Gross	ARM Net	Maturity	Maturity	Loan Age	Lockout Ter
Property Type	Securities	Balance	Balance	Issuance LTV	DSCR	Margin	Margin	(Months)	(Months)	(Months)	(Months) (1
Multifamily	102	\$ 690,222,282	95.87%	70.82%	1.86x	3.329%	1.626%	84	72	12	2
Manufactured Housing	1	16,000,000	2.22%	45.10%	4.82x	2.320%	1.120%	84	83	1	10
Dedicated Student	1	9,435,895	1.31%	61.50%	1.71x	3.830%	1.750%	84	72	12	0
Military	1	4,291,478	0.60%	75.00%	1.66x	3.580%	1.700%	84	75	9	2
winnary	1	4,291,478	0.00%	73.00%	1.00X	5.380%	1.700%	64		9	
Total / WA	105	\$719,949,656	100.00%	70.15%	1.93x	3.315%	1.617%	84	72	12	2

(1) Remaining Lockout Term is calculated from the end of month of the Cut-off Date to the Lockout End Date and would be one month longer if calculated from the beginning of the month of the Cut-off Date to the Lockout End Date.



		1	op 10 Loan	Infori	nation	(2)				
Pool								% of Cut-off		At
Number	Name	Address	City	State	Zip	Loan Originator	Cut-Off Balance	Principal Balance	DSCR	Issuan LTV
AM4553	STERLING POINT APARTMENTS	6601 Dunlap Street	Houston	TX	77074	ARBOR COMMERCIAL FUNDING, LLC	\$ 24,995,000	3.47%	2.37x	65.009
AM6556	RIVERTON OF THE HIGH DESERT	14374 Borego Road	Victorville	CA	92392	ARBOR COMMERCIAL FUNDING, LLC	19,063,230	2.65%	1.79x	74.70%
AM4932	111 EAST A VENUE APARTMENTS	101-129 East Avenue	Rochester	NY	14604	ARBOR COMMERCIAL FUNDING, LLC	17,881,518	2.48%	1.53x	70.00%
AM2148	CREEKSIDE GLEN APARTMENTS	125 Near Court	Walnut Creek	CA	94596	ARBOR COMMERCIAL FUNDING, LLC	17,764,396	2.47%	1.64x	63.80%
AM2799	Whispering Winds Apartments	2902 Whispering Winds Drive	Pearland	TX	77581	BERKADIA COMMERCIAL MORTGAGE LLC	17,074,945	2.37%	1.62x	78.20%
AM6783	Diamond K Estates	16 Richards Drive	Roseville	CA	95678	PNC BANK, NATIONAL ASSOCIATION	16,000,000	2.22%	4.82x	45.10%
AM3327	Camelot East Apartments	1400 Sherwood Drive	Fairfield	OH	45014	GREYSTONE SERVICING CORPORATION INC.	14,850,000	2.06%	2.89x	64.60%
AM4816	EDENTREE APARTMENTS	1721 EAST FRANKFORD ROAD	CARROLLTON	TX	75007	ARBOR COMMERCIAL FUNDING, LLC	14,355,414	1.99%	1.57x	75.00%
AM4727	Avalon at Royal Oaks	2310 Crescent Park Drive	Houston	TX	77077	PILLAR MULTIFAMILY, LLC	13,419,177	1.86%	1.80x	65.00%
AM5726	The Arches at Regional Center West Apartments	565, 587, 595 Knollview Court	Palmdale	CA	93551	ARBOR COMMERCIAL FUNDING, LLC	13,377,821	1.86%	1.61x	75.00%
Total / WA							\$ 168,781,500	23.44%	2.17x	67.56%



		nderlying Securit					
Pool Number	CUSIP	Most Recent DSCR	At Issuance LTV	Pool Number	CUSIP	Most Recent DSCR	At Issuance LT
AM6783	3138L7RD0	4.82x	45.10%	AM4814	3138L5K41	1.72x	69.30%
AM6709	3138L7N36	3.52x	60.50%	AM6353	3138L7BX3	1.72x	80.00%
AM4875	3138L5MZ0	3.39x	41.00%	AM5389	3138L57B0	1.72x	80.00%
AM1690	3138L12Y4	3.27x	68.10%	AM4613	3138L5DT4	1.71x	61.50%
AM0638	3138L0V81	3.15x	80.00%	AM6541	3138L7HT6	1.71x	74.30%
AM4794	3138L5KG4	3.13x	65.00%	AM5021	3138L5SK7	1.70x	74.60%
AM4335	3138L4Y98	2.95x	65.00%	AM0962	3138L1B81	1.69x	79.10%
AM4793	3138L5KF6	2.95x	65.00%	AM5247	3138L5ZM5	1.67x	73.20%
AM3327	3138L3VV4	2.89x	64.60%	AM2708	3138L3AJ4	1.66x	57.80%
AM4795	3138L5KH2	2.89x	65.00%	AM5738	3138L6LU0	1.66x	73.70%
AM5404	3138L6AE8	2.78x	65.00%	AM4959	3138L5QM5	1.66x	75.00%
AM3231	3138L3SV8	2.69x	62.00%	AM2145	3138L2L39	1.65x	66.80%
AM5185	3138L5XP0	2.68x	64.40%	AM5780	3138L6M62	1.65x	71.00%
AM5990	3138L6UQ9	2.37x	51.70%	AM2148	3138L2L62	1.64x	63.80%
AM4553	3138L5BX7	2.37x	65.00%	AM5238	3138L5ZC7	1.64x	74.90%
AM0219	3138L0G54	2.32x	80.00%	AM2571	3138L22D8	1.64x	75.00%
AM4059	3138L4QM8	2.25x	61.50%	AM5596	3138L6GE2	1.64x	78.60%
AM5243	3138L5ZH6	2.19x	62.50%	AM4922	3138L5PG9	1.63x	80.00%
AM2008	3138L2GS0	2.19x	79.10%	AM2147	3138L2L54	1.62x	67.10%
AM6398	3138L7DC7	2.10x	78.20%	AM5747	3138L6L55	1.62x	72.40%
AM1050	3138L1EY1	2.05x	71.40%	AM5506	3138L6DL9	1.62x	76.00%
AM5049	3138L5TF7	2.03x	60.30%	AM2799	3138L3DD4	1.62x	78.20%
AM0563	3138L0TV3	2.02x	59.10%	AM6184	3138L62S6	1.61x	72.40%
AM4058	3138L4QL0	2.02x	68.70%	AM5726	3138L6LG1	1.61x	75.00%
AM2587	3138L22V8	1.99x	80.00%	AM5617	3138L6G36	1.61x	80.00%
AM0559	3138L0TR2	1.97x	78.10%	AM5431	3138L6A99	1.60x	69.00%
AM4859	3138L5MH0	1.97x	63.00%	AM4257	3138L4WT6	1.60x	74.40%
AM5754	3138L6MC9	1.93x	80.00%	AM6355	3138L7BZ8	1.59x	70.10%
AM2728	3138L3A62	1.92x	79.20%	AM5063	3138L5TV2	1.59x	70.90%
AM6647	3138L7L53	1.92x	63.60%	AM4525	3138L5A34	1.59x	75.00%
AM2206	3138L2NY9	1.91x	71.80%	AM4827	3138L5LH1	1.59x	78.90%
AM4933	3138L5PT1	1.90x	78.70%	AM4759	3138L5JD3	1.59x	79.80%
AM4955 AM4783	3138L5J50	1.89x	65.00%	AM5020	3138L5SJ0	1.59x	65.10%
AM1397	3138L1RT8	1.89x	75.00%	AM4815	3138L5K58	1.58x	74.60%
AM4296	3138L4X24	1.86x	72.60%	AM5478	3138L6CQ9	1.58x	80.00%
AM6788	3138L7RJ7	1.85x	79.90%	AM4644	3138L5ES5	1.57x	71.70%
AM0701	3138L0X71	1.84x	79.90%	AM4044 AM4816	3138L5K66	1.57x	75.00%
AM6095		1.83x		AM5618	3138L6G44	1.57x	80.00%
AM5832	3138L6XZ6 3138L6PS1	1.85x 1.81x	80.00% 80.00%	AM5018 AM6471	3138L7FM3	1.54x	75.00%
AM3852 AM4434	3138L44U4	1.80x	64.90%	AM6471 AM4057		1.54x	80.00%
AM4454 AM4727	3138L5HD5	1.80x 1.80x	65.00%	AM4037 AM4402	3138L4QK2 3138L43L5	1.54x 1.53x	68.30%
AM4727 AM6341	3138L7BK1	1.80x 1.80x	80.00%	AM4402 AM4932	3138L5PS3	1.53x 1.53x	70.00%
AM6787	3138L7RH1	1.80x	80.00%	AM6470	3138L7FL5	1.49x	75.00%
AM4755	3138L5H94	1.79x	64.10%	AM3585	3138L36X8	1.46x	79.00%
AM6837	3138L7S31	1.79x	69.30%	AM0408	3138L0N23	1.45x	64.90%
AM6556	3138L7JA5	1.79x	74.70%	AM2282	3138L2RC3	1.43x	74.70%
AM5251	3138L5ZR4	1.77x	70.00%	AM1268	3138L1MS5	1.37x	68.90%
AM4507	3138L5AH3	1.76x	79.40%	AM1898	3138L2DC8	1.36x	72.90%
AM5869	3138L6QX9	1.75x	70.00%	AM5945	3138L6TB4	1.35x	80.00%
AM4870	3138L5MU1	1.74x	65.00%	AM4463	3138L45Z2	1.22x	71.90%
AM3142	3138L3P41	1.74x	70.10%	AM1993	3138L2GB7	1.16x	67.90%
AM5533	3138L6EF1	1.73x	80.00%	AM2247	3138L2P92	1.15x	79.30%
AM0561	3138L0TT8	1.72x	63.70%				

Pool specific information can be found by visiting Fannie Mae's website at: http://fapt.efanniemae.com/MFSecuritiesLocator/jsp/general/welcome.jsp



#### **Collateral Stratification – Group 2**

		Cut-off Principal	•	Weighted Average Mortgage	Weighted Average Pass Thru	to Maturity	Weighted Average Remaining Term to Maturity	0	Remaining Yield Maintenance Ter
State	Securities	Balance	Balance	Rate	Rate	(Months)	(Months)	(Months)	(Months) (1)
AK	1	\$ 1,692,765	0.28%	5.170%	3.870%	120	80	40	73
AR	2	7,848,024	1.30%	4.559%	2.758%	84	82	2	75
AZ	2	11,694,037	1.94%	4.848%	2.921%	84	77	7	70
CA	11	106,015,024	17.63%	4.355%	3.414%	107	81	26	74
CT	2	1,786,862	0.30%	5.316%	4.113%	122	82	40	75
DC	1	2,100,000	0.35%	3.640%	2.480%	84	83	1	76
FL	2	30,707,741	5.11%	3.534%	2.475%	84	80	4	73
IL	4	123,829,007	20.59%	3.594%	2.550%	84	81	3	74
KS	2	12,334,175	2.05%	4.400%	2.658%	84	80	4	73
KY	1	9,920,316	1.65%	4.260%	2.820%	84	78	6	71
LA	1	10,499,907	1.75%	4.240%	2.660%	84	80	4	73
MD	3	42,198,195	7.02%	3.948%	2.638%	84	78	6	71
MO	1	16,434,680	2.73%	4.190%	2.710%	84	81	3	74
NC	1	1,036,513	0.17%	4.710%	2.840%	108	80	28	73
NH	1	2,964,846	0.49%	4.900%	2.920%	82	79	3	72
NY	2	54,980,447	9.14%	3.450%	2.634%	84	83	1	76
OR	1	38,555,000	6.41%	3.650%	2.510%	84	83	1	76
PA	6	42,131,571	7.00%	4.787%	3.771%	112	80	32	73
RI	1	37,854,712	6.29%	4.360%	2.800%	84	81	3	74
TN	3	33,283,664	5.53%	3.722%	2.619%	84	82	2	75
TX	3	6,443,484	1.07%	4.330%	2.869%	84	82	2	75
VA	1	7,169,055	1.19%	3.780%	2.540%	84	81	3	74
Total / WA	52	\$ 601,480,025	100.00%	3.999%	2.851%	90	81	9	74

	Underlying Securities by Fannie Mae MBS Prefix*												
	Number of Underlying	Cut-	-off Principal	% of Cut- off Principal	Weighted Average Mortgage	Weighted Average Pass Thru	0	Weighted Awerage Remaining Term to Maturity	Average	Weighted Average Remaining Yield Maintenance Tern			
MBS Prefix	Securities		Balance	Balance	Rate	Rate	(Months)	(Months)	(Months)	(Months) (1)			
HX	36	\$	514,500,158	85.54%	3.847%	2.636%	84	81	3	74			
HY	11		78,615,893	13.07%	4.885%	4.236%	131	81	50	74			
H2	5		8,363,974	1.39%	5.059%	3.110%	90	81	10	74			
Total / WA	52	\$ (	601,480,025	100.00%	3.999%	2.851%	90	81	9	74			

 
 Total / WA
 52
 601,480,025
 100.00%
 3.999%
 2.8

 \*Prefix definitions can be found by visiting Fannie Mae's website at: http://www.fanniemae.com/resources/file/mbs/pdf/pool-prefix-glossary.pdf

Underlying Securities by Current Amortization Type											
		Cut	-	% of Cut- off Principal	Weighted Average Mortgage	Weighted Average Pass Thru	to Maturity	Weighted Average Remaining Term to Maturity		Remaining Yiel Maintenance Ter	
Amortization Type	Securities		Balance	Balance	Rate	Rate	(Months)	(Months)	(Months)	(Months) (1)	
Amortizing Balloon	36	\$	339,074,885	56.37%	4.047%	2.703%	85	80	5	73	
Partial IO Balloon	12		147,660,140	24.55%	3.967%	2.931%	94	82	12	75	
Full Term IO Balloon	4		114,745,000	19.08%	3.900%	3.187%	101	82	19	75	
Total / WA	52	\$	601,480,025	100.00%	3.999%	2.851%	90	81	9	74	

(1) Remaining Yield Maintenance term (months) is calculated from the end of month of the Cut-off Date to the Prepayment Premium End Date and would be one month longer if calculated from the beginning of the month of the Cut-off Date to the Prepayment Premium End Date.



Underlying Securities by Original Term To Maturity												
Original Term to Maturity (Months)	Number of Underlying Securities	Cut-off Principal Balance	% of Cut- off Principal Balance	Weighted Awerage Mortgage Rate	Weighted Average Pass Thru Rate	Weighted Average Original Term to Maturity (Months)	Weighted Average Remaining Term to Maturity (Months)	Weighted Average Loan Age (Months)	Remaining Yield			
82	1	\$ 2,964,846	0.49%	4.900%	2.920%	82	79	3	72			
84	36	514,500,158	85.54%	3.847%	2.636%	84	81	3	72			
86	1	798.234	0.13%	5.130%	3.160%	86	84	2	77			
93	1	2,983,000	0.50%	5.330%	3.390%	93	81	12	74			
94	1	581,381	0.10%	5.000%	3.060%	94	83	11	76			
108	1	1,036,513	0.17%	4.710%	2.840%	108	80	28	73			
120	4	64,035,597	10.65%	4.579%	3.829%	120	81	39	74			
180	7	14,580,296	2.42%	6.226%	6.023%	180	82	98	75			
Total / WA	52	\$ 601,480,025	100.00%	3.999%	2.851%	90	81	9	74			

Underlying Securities by Remaining Term To Maturity												
Remaining Term to Maturity Range (Months)	Number of Underlying Securities	Cu	t-off Principal Balance	% of Cut- off Principal Balance	Weighted Average Mortgage Rate	Weighted Average Pass Thru Rate	Weighted Average Original Term to Maturity (Months)	Weighted Average Remaining Term to Maturity (Months)	Weighted Average Loan Age (Months)	Remaining Yield		
76 to 78	4	¢	45,582,763	7.58%	4.291%	2.731%	84	77	7	70		
		ф	- , ,						/			
79 to 81	31		386,804,367	64.31%	4.038%	2.861%	90	81	10	74		
82 to 84	17		169,092,896	28.11%	3.832%	2.862%	92	83	9	76		
Total / WA	52	\$	601,480,025	100.00%	3.999%	2.851%	90	81	9	74		

Underlying Securities by Loan Age												
	Number of Underlying		-off Principal	% of Cut- off Principal	Weighted Awerage Mortgage	Weighted Awerage Pass Thru	Weighted Average Original Term to Maturity	Weighted Average Remaining Term to Maturity	Weighted Average Loan Age	Weighted Averag Remaining Yield Maintenance Terr		
Loan Age Range (Months)	Securities		Balance	Balance	Rate	Rate	(Months)	(Months)	(Months)	(Months) (1)		
1 to 6	36	\$	483,600,791	80.40%	3.823%	2.634%	84	81	3	74		
7 to 12	4		38,226,829	6.36%	4.387%	2.758%	85	77	8	70		
28 to 40	5		65,072,109	10.82%	4.581%	3.813%	120	81	39	74		
97 to 100	7		14,580,296	2.42%	6.226%	6.023%	180	82	98	75		
Total / WA	52	\$	601.480.025	100.00%	3.999%	2.851%	90	81	9	74		

Underlying Securities by Property Type											
	Number of Underlying	Cu	t-off Principal	% of Cut- off Principal	Weighted Awerage Mortgage	Weighted Average Pass Thru	Weighted Awerage Original Term to Maturity	Weighted Average Remaining Term to Maturity	Weighted Average Loan Age	Weighted Averag Remaining Yield Maintenance Terr	
Property Type	Securities		Balance	Balance	Rate	Rate	(Months)	(Months)	(Months)	(Months) (1)	
Multifamily	48	\$	536,326,639	89.17%	3.969%	2.863%	91	81	10	74	
Seniors	2		47,757,332	7.94%	4.464%	2.815%	84	80	4	73	
Dedicated Student	1		14,910,313	2.48%	3.630%	2.590%	84	80	4	73	
Manufactured Housing	1		2,485,741	0.41%	3.920%	2.640%	84	81	3	74	
Total / WA	52	\$	601,480,025	100.00%	3.999%	2.851%	90	81	9	74	

(1) Remaining Yield Maintenance term (months) is calculated from the end of month of the Cut-off Date to the Prepayment Premium End Date and would be one month longer if calculated from the beginning of the month of the Cut-off Date to the Prepayment Premium End Date.



Loan Note Rate Range	Number of Underlying Securities	Cut-off Principal Balance	% of Cut- off Principal Balance	Weighted Average Mortgage Rate	Weighted Average Pass Thru Rate	Weighted Average Original Term to Maturity (Months)	Weighted Average Remaining Term to Maturity (Months)	Weighted Average Loan Age (Months)	Remaining Yie
3.370% to 3.499%	1	\$ 50,000,000	8.31%	3.370%	2.630%	84	83	1	76
3.500% to 3.990%	15	276,481,253	45.97%	3.628%	2.553%	84	81	3	74
4.000% to 4.499%	16	222,462,602	36.99%	4.289%	3.003%	93	80	13	73
4.500% to 4.990%	8	25,618,014	4.26%	4.742%	2.865%	85	79	6	72
5.000% to 5.499%	4	6,055,380	1.01%	5.227%	3.462%	100	81	18	74
5.500% to 5.990%	1	6,282,480	1.04%	5.710%	4.390%	120	80	40	73
6.000% to 6.499%	5	13,157,882	2.19%	6.175%	6.033%	180	83	97	76
6.500% to 6.760%	2	1,422,414	0.24%	6.693%	5.926%	180	81	99	74
Total / WA	52	\$ 601,480,025	100.00%	3.999%	2.851%	90	81	9	74

Minimum Loan Note Rate: Weighted Average Loan Note Rate:

3.999%

2.460%

2.851%

24.70%

67.88%

Pass Through Rate Range	Number of Underlying Securities	Cut-off Principal Balance	% of Cut- off Principal Balance	Weighted Average Mortgage Rate	Weighted Average Pass Thru Rate	Weighted Awrage Original Term to Maturity (Months)	Weighted Awerage Remaining Term to Maturity (Months)	0	Weighted Averag Remaining Yield Maintenance Ter (Months) (1)
2.460% to 2.499%	3	\$ 34,798,664	5.79%	3.579%	2.462%	84	80	4	73
2.500% to 2.999%	34	481,911,436	80.12%	3.871%	2.648%	84	81	3	74
3.000% to 3.499%	5	9,569,384	1.59%	4.787%	3.255%	100	82	18	75
3.500% to 3.999%	2	54,337,765	9.03%	4.472%	3.802%	120	81	39	74
4.000% to 4.499%	1	6,282,480	1.04%	5.710%	4.390%	120	80	40	73
5.500% to 5.999%	4	7,123,739	1.18%	6.234%	5.969%	180	82	98	75
6.000% to 6.090%	3	7,456,558	1.24%	6.217%	6.075%	180	83	97	76
Total / WA	52	\$ 601,480,025	100.00%	3.999%	2.851%	90	81	9	74

Maximum Pass Through Rate: Minimum Pass Through Rate: Weighted Awrage Pass Through Rate:

At Issuance LTV Range	Number of Underlying Securities	Cut-o	ff Principal Salance	% of Cut- off Principal Balance	Weighted Average Mortgage Rate	Weighted Average Pass Thru Rate	Weighted Average Original Term to Maturity (Months)	Weighted Average Remaining Term to Maturity (Months)	Weighted Average Loan Age (Months)	Remaining Yiel
24.700% to 24.700%	1	\$	3,415,352	0.57%	4.200%	3.220%	120	84	36	77
42.000% to 51.999%	3		12,598,335	2.09%	3.811%	2.942%	88	80	8	73
52.000% to 61.999%	15		198,390,683	32.98%	4.065%	3.075%	96	82	15	75
62.000% to 71.999%	11		70,737,939	11.76%	4.376%	2.966%	88	79	9	72
72.000% to 80.000%	22		316,337,717	52.59%	3.879%	2.678%	87	81	6	74
Total / WA	52	\$ 60	01.480.025	100.00%	3.999%	2.851%	90	81	9	74

Minimum At Issuance LTV: Weighted Average At Issuance LTV:

(1) Remaining Yield Maintenance term (months) is calculated from the end of month of the Cut-off Date to the Prepayment Premium End Date and would be one month longer if calculated from the beginning of the month of the Cut-off Date to the Prepayment Premium End Date.



		Cut-off Principal	•	Weighted Average Mortgage	Weighted Average Pass Thru	to Maturity	Weighted Average Remaining Term to Maturity	Loan Age	Remaining Yield Maintenance Terr
Most Recent DSCR Range	Securities	Balance	Balance	Rate	Rate	(Months)	(Months)	(Months)	(Months) (1)
1.240x to 1.449x	23	\$ 262,109,750	43.58%	3.916%	2.730%	87	81	7	74
1.450x to 1.649x	16	132,950,652	22.10%	4.019%	2.764%	87	80	7	73
1.650x to 1.849x	7	86,566,507	14.39%	4.322%	2.876%	88	81	7	74
2.050x to 2.249x	1	1,692,765	0.28%	5.170%	3.870%	120	80	40	73
2.250x to 4.030x	5	118,160,352	19.64%	3.909%	3.188%	101	82	19	75
Total / WA	52	\$ 601,480,025	100.00%	3.999%	2.851%	90	81	9	74

Maximum Most Recent DSCR:4.03xMinimum Most Recent DSCR:1.24xWeighted Average Most Recent DSCR:1.73x

C	ut-off Date I	rinc	ipa	l Balance	Number of Underlying	Cu	t-off Principal	% of Cut- off Deal	Weighted Average Mortgage	Weighted Average Pass Thru	Weighted Average Original Term to Maturity	Weighted Average Remaining Term to Maturity	Weighted Average Loan Age	Weighted Average Remaining Yield Maintenance Term
		ange			Securities		Balance	Balance	Rate	Rate	(Months)	(Months)	(Months)	(Months) (1)
\$	498,000	to	\$	3,999,999	24	\$	49,838,415	8.29%	5.018%	3.862%	117	82	35	75
\$	4,000,000	to	\$	7,999,999	7		40,022,293	6.65%	4.251%	2.867%	90	81	9	74
\$	8,000,000	to	\$	11,999,999	7		68,105,507	11.32%	4.152%	2.738%	84	79	5	72
\$	12,000,000	to	\$	15,999,999	1		14,910,313	2.48%	3.630%	2.590%	84	80	4	73
\$	16,000,000	to	\$	19,999,999	3		52,346,260	8.70%	3.940%	2.645%	84	81	3	74
\$	20,000,000	to	\$	23,999,999	1		21,391,692	3.56%	4.370%	2.930%	84	79	5	72
\$	24,000,000	to	\$	27,999,999	1		24,759,827	4.12%	4.070%	2.630%	84	77	7	70
\$	28,000,000	to	\$	31,999,999	2		57,472,000	9.56%	3.571%	2.531%	84	82	2	75
\$	36,000,000	to	\$	39,999,999	2		76,409,712	12.70%	4.002%	2.654%	84	82	2	75
\$	44,000,000	to	\$	47,999,999	1		44,499,804	7.40%	3.570%	2.530%	84	81	3	74
\$	48,000,000	to	\$	51,999,999	2		99,079,203	16.47%	3.469%	2.580%	84	82	2	75
\$	52,000,000	to	\$	55,999,999	1		52,645,000	8.75%	4.450%	3.800%	120	81	39	74

			% of Cut-		Weighted Awerage		Weighted	Weighted Average Original	Weighted Average Remaining	Weighted	Weighted Avera
	Number of	Cut-off	off	Weighted	Most	Average	Average	Term to	Term to	Average	Remaining Yiel
	Underlying	Principal	Principal	Average At	Recent	00	Pass Thru		Maturity		Maintenance Te
Property Type	Securities	Balance	Balance	Issuance LTV	DSCR	Rate	Rate	(Months)	(Months)	(Months)	(Months) (1)
Multifamily	48	\$ 536,326,639	89.17%	69.28%	1.74x	3.969%	2.863%	91	81	10	74
Seniors	2	47,757,332	7.94%	57.13%	1.73x	4.464%	2.815%	84	80	4	73
Dedicated Student	1	14,910,313	2.48%	54.30%	1.57x	3.630%	2.590%	84	80	4	73
Manufactured Housing	1	2,485,741	0.41%	54.30%	1.61x	3.920%	2.640%	84	81	3	74

(1) Remaining Yield Maintenance term (months) is calculated from the end of month of the Cut-off Date to the Prepayment Premium End Date and would be one month longer if calculated from the beginning of the month of the Cut-off Date to the Prepayment Premium End Date.



	Top 10 Loan Information (2)											
Pool									% of Cut-off Principal		At Issuanc	
Number	Name	Address	City	State	Zip	Loan Originator	Cut	-Off Balance	Balance	DSCR		
AM6602	River Place	650 West 42nd Street	New York	NY	10036	WELLS FARGO BANK, N.A.	\$	50,000,000	8.31%	2.35x	54.00%	
468455	Multiple	Multiple	Multiple	CA	Multiple	BEECH STREET CAPITAL, LLC		52,645,000	8.75%	3.31x	53.90%	
AM6033	Camden at Bloomingdale Apartments	348 Glenwood Drive	Bloomingdale	IL	60108	M&T REALTY CAPITAL CORPORATION		49,079,203	8.16%	1.28x	79.10%	
AM6035	Stratford Place Apartments	232 Butterfield Drive	Bloomingdale	IL.	60108	M&T REALTY CAPITAL CORPORATION		44,499,804	7.40%	1.27x	77.10%	
AM6740	The Landing	19901 Coast Redwood Avenue	Oregon City	OR	97045	CBRE MULTIFAMILY CAPITAL, INC.		38,555,000	6.41%	1.30x	73.40%	
AM5814	Village at Waterman Lake	715 Putnam Pike	Greenville	RI	2828	CBRE MULTIFAMILY CAPITAL, INC.		37,854,712	6.29%	1.72x	54.60%	
AM6533	Hunters Glen	245 N. Oakhurst Drive	Aurora	IL	60504	M&T REALTY CAPITAL CORPORATION		29,250,000	4.86%	1.31x	73.90%	
AM6048	TerraMar Phase I	93 Dunes Lake Circle	Santa Rosa Beach	FL	32459	BERKADIA COMMERCIAL MORTGAGE LLC		28,222,000	4.69%	1.47x	79.70%	
AM5338	Northwest Crossing Apartments	8601 Gray Fox Road	Randallstown	MD	21133	M&T REALTY CAPITAL CORPORATION		24,759,827	4.12%	1.39x	73.40%	
AM5772	Multiple	Multiple	Harrisburg	PA	Multiple	GREYSTONE SERVICING CORPORATION INC.		21,391,692	3.56%	1.47x	69.40%	
Total / WA							\$ 3	376,257,238	62.56%	1.79x	67.67%	



Pool Number	CUSIP	Most Recent DSCR	At Issuance LTV		
469258	31381SJB9	4.03x	24.70%		
468455	31381RMC5	3.31x	53.90%		
AM6692	3138L7NJ1	2.97x	51.20%		
AM5730	3138L6LL0	2.73x	50.00%		
AM6602	3138L7KQ8	2.35x	54.00% 59.50% 75.00%		
AF3167	31419SQV3	2.13x			
AM5569	3138L6FK9	1.83x			
AM5417	3138L6AT5	1.75x	66.80%		
AM5814	3138L6N87	1.72x	54.60%		
AM6631	3138L7LM6	1.71x	60.70%		
AM6657	3138L7MF0	1.69x	59.60%		
AM6354	3138L7BY1	1.69x	64.90%		
AF1131	31419QHH8	1.65x	55.90%		
AF1468	31419QT28	1.64x	42.00%		
AM5611	3138L6GV4	1.64x	65.00%		
AM5936	3138L6S25	1.64x 1.63x	66.90%		
AM6513	3138L7GX8	1.62x	80.00%		
		1.61x			
AM6111	3138L6YH5		54.30%		
AM6313	3138L7AP1	1.58x	76.10%		
AM5978	3138L6UC0	1.57x	54.30%		
AM6173	3138L62F4	1.55x	74.90%		
AF1252	31419QMA7	1.55x	78.40%		
AM6054	3138L6W Q7	1.53x	78.30%		
AM6235	3138L64V7	1.53x	80.00%		
AM6047	3138L6WH7	1.51x	75.00%		
AM6315	3138L7AR7	1.50x	79.70%		
AM5772	3138L6MW5	1.47x	69.40%		
AM6048	3138L6WJ3	1.47x	79.70%		
AM6087	3138L6XR4	1.46x	59.70%		
AM5788	3138L6NE4	1.44x	70.20%		
AM6025	3138L6VT2	1.43x	54.10%		
AM5947	3138L6TD0	1.43x	60.00%		
AF1122	31419QG89	1.41x	71.40%		
AM5958	3138L6TQ1	1.41x	80.00%		
AM6686	3138L7NC6	1.40x	67.60%		
AM5338	3138L54Y3	1.39x	73.40%		
471764	31381VB95	1.37x	69.80%		
AM6044	3138L6WE4	1.37x	80.00%		
AF2170	31419RMU1	1.36x	52.00%		
AM5745	3138L6L30	1.36x	78.60%		
AM6043	3138L6WD6	1.36x	80.00%		
AM6230	3138L64Q8	1.35x	56.70%		
AM4428	3138L44N0	1.35x	58.20%		
AM4682	3138L5FY1	1.35x	64.00%		
468062	31381Q5X0	1.32x	77.90%		
AM6533	3138L7HK5	1.31x	73.90%		
AM6169	3138L62B3	1.30x	63.00%		
AM6740	3138L7P26	1.30x	73.40%		
AF1133	31419QHK1	1.30x	78.60%		
AM6033	3138L6V39	1.28x	79.10%		
AM6035	3138L6V54	1.27x	77.10%		
AF1828	31419RA67	1.24x	80.00%		

Pool specific information can be found by visiting Fannie Mae's website at: http://fapt.efanniemae.com/MFSecuritiesLocator/jsp/general/welcome.jsp



The information contained in the attached materials (the "Information") has been provided to Credit Suisse Securities (USA) LLC ("CS") by the Federal National Mortgage Association ("FNMA") and is preliminary and subject to change. The Information does not include all of the information required to be included in the prospectus supplement relating to the securities. As such, the Information may not reflect the impact of all structural characteristics of the securities. The assumptions underlying the Information, including structure and collateral, may be modified from time to time to reflect changed circumstances. Prospective purchasers are recommended to review the final prospectus supplement and the related base prospectus relating to the securities ("Offering Documents") discussed in this communication. Offering Documents contain data that is current as of their publication dates and after publication may no longer be complete or current. Final Offering Documents may be obtained from FNMA by calling toll free 1-800-237-8627 or CS by calling toll-free 1-800-221-1037.

There shall not be any offer or sale of the securities discussed in this communication in any jurisdiction in which such offer, solicitation or sale would be unlawful prior to registration or qualification under the securities laws of any such jurisdiction.

The analyses, calculations and valuations herein are based on certain assumptions and data provided by third parties that may vary from the actual characteristics of the pool. Neither CS nor the issuer has verified these analyses, calculations or valuations. Neither CS nor the issuer has undertaken to update or amend the Information since the date it was issued. More current information may be available publicly from other sources.

The investment described in this term sheet is a structured financial product. These securities are complex instruments intended for sale only to sophisticated investors who understand and assume the risks involved with the purchase thereof. The risks associated with the securities may significantly reduce an investor's expected yield and expected return of principal, and/or reduce an investor's ability to sell or obtain market value information about the securities. Investors should independently evaluate the risks associated with the securities and consult their own professional advisors. These risks may include, but may not be limited to:

- The performance of the collateral may be correlated due to economic or other factors that may diminish the value of the securities.
- The performance of the collateral and the value of the securities may be largely dependent on the quality of the origination and servicing of the collateral.
- The securities may be substantially dependent on the claims-paying ability of insurers or guarantors, as further described in the Offering Documents.
- The value of the securities may be diminished by market conditions unrelated to the performance of the securities.

The attached material may not be forwarded or provided by you to any other person. An investor or potential investor in the securities (and each employee, representative, or other agent of such person or entity) may disclose to any and all persons, without limitation, the tax treatment and tax structure of the transaction (as defined in United States Treasury Regulation Section 1.6011-4) and all related materials of any kind, including opinions or other tax analyses, that are provided to such person or entity. However, such person or entity may not disclose any other information relating to this transaction unless such information is related to such tax treatment and tax structure.

