

# Fannie Mae GeMS<sup>TM</sup> Guaranteed REMIC Fannie Mae Multifamily REMIC Trust 2017-M5 Structural and Collateral Term Sheet

As of May 8, 2017

Fannie Mae Structured Pass-Through Certificates Series 2017-M5, Class FA1, FA2, FA3, FA, A1 & A2 Certificates

\$763,022,627

(Approximate Offered Certificates)

# **Amherst Pierpont Securities**

Lead Manager and Bookrunner

**Citigroup**Co-Manager

KGS-Alpha Capital Markets
Co-Manager

Multi-Bank Securities Co-Manager

## Fannie Mae GeMS™

Fannie Mae GeMS™ Guaranteed REMIC Pass-Through Certificates
Fannie Mae Multifamily REMIC Trust 2017-M5

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#### **Certificate Structure**

Group	Subgroup	Class	Initial Certificate Balance or Notional Amount <sup>(1)</sup>	Initial Group Certificate Balance <sup>(2)</sup>	Weighted Average Life (Years) <sup>(3)</sup>	Expected Principal Window (Months) <sup>(4)</sup>	Coupon Type	Pricing Speed
1	1A	FA1 <sup>(5)(12)</sup>		12.6%	6.26	1-83	Floater/AFC <sup>(6)</sup>	0 CPY
1	1B	FA2 <sup>(5)(12)</sup>	\$43,203,985	32.0%	6.24	1-81	Floater/AFC <sup>(7)</sup>	0 CPY
1	1C	FA3 <sup>(5)</sup>	\$74,834,075	55.4%	6.26	1-82	Floater/AFC <sup>(8)</sup>	0 CPY
1	N/A	FX1 <sup>(10)(12)</sup>	\$135,017,590	N/A	N/A	N/A	WAC IO <sup>(13)</sup>	100 CPY
2	N/A	FA	\$231,842,340	100.0%	6.46	1-83	Floater/AFC <sup>(9)</sup>	0 CPY
2	N/A	$FX^{(11)(12)}$	\$231,842,340	N/A	N/A	N/A	WAC IO <sup>(14)</sup>	100 CPY
3	N/A	A1	\$60,938,000	15.4%	7.29	1-138	Fixed/AFC	0 CPY
3	N/A	A2	\$335,224,697	84.6%	11.7	138-143	WAC <sup>(15)</sup>	0 CPY

- (1) The initial certificate balances and notional amounts are approximate and on the settlement date may vary by up to 5%. Underlying pools may be removed from or added to the mortgage pool prior to the settlement date within the same maximum permitted variance. Any reduction or increase in the aggregate principal balance of underlying pools within these parameters will result in changes to the initial certificate balance or notional amount of each class of certificates and to the other statistical data.
- (2) Approximate as of the settlement date.
- (3) Calculated at 0% CPY.
- (4) The expected principal window is expressed in months following the settlement date and reflects the period during which distributions of principal would be received under the pricing speed assumptions.
- (5) Exchangeable Class
- (6) The Class FA1 coupon will be equal to 1 month LIBOR plus [%] subject to a cap equal to the weighted average MBS Pass-Thru Rate of the Subgroup 1A Collateral Pool for such distribution date.
- (7) The Class FA2 coupon will be equal to 1 month LIBOR plus [ %] subject to a cap equal to the weighted average MBS Pass-Thru Rate of the Subgroup 1B Collateral Pool for such distribution date.
- (8) The Class FA3 coupon will be equal to 1 month LIBOR plus [ %] subject to a cap equal to the weighted average MBS Pass-Thru Rate of the Subgroup 1C Collateral Pool for such distribution date.
- (9) 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 2 Collateral Pool for such distribution date.
- (10) The Class FX1 notional amount is equal to the aggregate certificate balance of Class FA1, Class FA2 and Class FA3.
- (11) The Class FX notional amount is equal to the principal certificate balance of Class FA.
- (12) Class FA1, Class FA2, Class FX1 and Class FX will not be offered.
- (13) The Class FX1 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 weighted average of Class FA1 coupon, Class FA2 coupon and Class FA3 coupon for such distribution date.
- (14) The Class FX coupon will be equal to the positive difference between the weighted average MBS Pass-Thru Rate of the Group 2 Collateral Pool for such distribution date less the Class FA coupon for such distribution date.
- (15) The Class A2 coupon will be equal to 12 times (a) the aggregate amount of interest required to be paid on the Group 3 Collateral Pool minus the amount of interest required to be paid on Class A1, for such distribution date, divided by (b) the outstanding principal balance of Class A2 before that payment date.

If you own certain classes, you can exchange them for certificates of the corresponding RCR classes to be delivered at the time of the exchange. The FC1, FC2, FC3, and FC4 classes are the RCR classes. For a more detailed description of the RCR classes, see Schedule 1.

### <u>Issue Characteristics – Group 1</u>

\$135,017,590 (approximate) monthly pay, floating rate and variable rate multi-

class commercial mortgage REMIC Pass-Through Certificates (Class FA1,

FA2, FA3 and FX1)

**Lead Manager:** Amherst Pierpont Securities LLC

**Co-Managers:** Citigroup, KGS-Alpha Capital Markets and Multi-Bank Securities.

**Issuer:** Federal National Mortgage Association ("Fannie Mae")

**Issuing Entity:** Fannie Mae Multifamily REMIC Trust 2017-M5, a trust to be formed by

Fannie Mae.

**Trustee:** Fannie Mae

**Securities:** 

**Cut-off Date:** On or about May 1, 2017

**Settlement Date:** May 31, 2017

The monthly distribution date for the certificates will be the 25<sup>th</sup> day of each

**Distribution Date:** calendar month, or on the next business day if the 25<sup>th</sup> is not a business day,

commencing June 2017.

Accrual: Each class of certificates will accrue interest on an Actual/360 basis during the

preceding calendar month.

**LIBOR Determination:** 15 day calendar lookback

**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 FA3 Certificates

**Optional Termination:** None

Minimum Denominations: \$100,000 for the Class FX1 Certificates and \$1,000 for Class FA1, FA2, and

FA3 Certificates, \$1 in excess thereof.

Settlement Terms: Book-Entry except for Classes R and RL

Analytics: Cash flows are expected to be available through Bloomberg, L.P., Intex

Solutions, Inc., and Trepp LLC.

**Bloomberg Ticker:** FNA 2017-M5 <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.

### <u>Issue Characteristics – Group 2</u>

\$231,842,340 (approximate) monthly pay, floating rate and variable rate multi-

class commercial mortgage REMIC Pass-Through Certificates (Class FA and

FX)

Lead Manager: Amherst Pierpont Securities LLC

**Co-Managers:** Citigroup, KGS-Alpha Capital Markets and Multi-Bank Securities.

**Issuer:** Federal National Mortgage Association ("Fannie Mae")

**Issuing Entity:** Fannie Mae Multifamily REMIC Trust 2017-M5, a trust to be formed by

Fannie Mae.

**Trustee:** Fannie Mae

**Securities:** 

**Cut-off Date:** On or about May 1, 2017

**Settlement Date:** May 31, 2017

The monthly distribution date for the certificates will be the 25<sup>th</sup> day of each

**Distribution Date:** calendar month, or on the next business day if the 25<sup>th</sup> is not a business day,

commencing June 2017.

Accrual: Each class of certificates will accrue interest on an Actual/360 basis during the

preceding calendar month.

**LIBOR Determination:** 15 day calendar lookback

**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 the Class FX Certificates and \$1,000 for Class FA Certificates, \$1

in excess thereof.

Settlement Terms: Book-Entry except for Classes R and RL

Analytics: Cash flows are expected to be available through Bloomberg, L.P., Intex

Solutions, Inc., and Trepp LLC.

**Bloomberg Ticker:** FNA 2017-M5 <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.

### <u>Issue Characteristics – Group 3</u>

Securities: \$396,162,697 (approximate) monthly pay, variable rate multi-class commercial

mortgage REMIC Pass-Through Certificates (Class A1 and A2)

**Lead Manager:** Amherst Pierpont Securities LLC

**Co-Managers:** Citigroup, KGS-Alpha Capital Markets and Multi-Bank Securities.

**Issuer:** Federal National Mortgage Association ("Fannie Mae")

**Issuing Entity:** Fannie Mae Multifamily REMIC Trust 2017-M5, a trust to be formed by

Fannie Mae.

**Trustee:** Fannie Mae

**Cut-off Date:** On or about May 1, 2017

**Settlement Date:** May 31, 2017

**Distribution Date:** The monthly distribution date for the certificates will be the 25<sup>th</sup> day of each

calendar month, or on the next business day if the 25<sup>th</sup> is not a business day,

commencing June 2017.

Accrual: Each class of 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 A1 and Class A2 Certificates

**Optional Termination:** None

**Minimum Denominations:** \$1,000 for Class A1 and Class A2 Certificates, \$1 in excess thereof.

**Settlement Terms:** Book-Entry except for Classes R and RL

Analytics: Cash flows are expected to be available through Bloomberg, L.P., Intex

Solutions, Inc., and Trepp LLC.

**Bloomberg Ticker:** FNA 2017-M5 <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 Group 1 MBS Pool.

**Priority of Principal:** The Group 1 Principal Distribution Amount for any Distribution Date

will be allocated as follows:

 scheduled and unscheduled principal payments included in the principal distribution for each Subgroup 1A MBS, on an aggregate basis, to Class FA1, until retired

 scheduled and unscheduled principal payments included in the principal distribution for each Subgroup 1B MBS, on an aggregate basis, to Class FA2, until retired

• scheduled and unscheduled principal payments included in the principal distribution for each Subgroup 1C MBS, on an

aggregate basis, to Class FA3, until retired

**Prepayment Premiums** 

**Distribution:** 

No prepayment premiums will be passed through to the

certificateholders

**Call Protection:** 19 underlying securities (representing 100% of Group 1) provide for a

remaining lockout term. The Group 1 Collateral Pool has a weighted

average remaining lockout term of 8<sup>(1)</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.

(1) 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 Group 2 MBS Pool.

**Priority of Principal:** The Group 2 Principal Distribution Amount for any Distribution Date

will be allocated as follows: scheduled and unscheduled principal payments included in the principal distribution for each Group 2 MBS,

on an aggregate basis, to Class FA, until retired.

**Prepayment Premiums** 

**Distribution:** 

No prepayment premiums will be passed through to the

certificateholders

Call Protection: 29 underlying securities (representing 100% of Group 2) provide for a

remaining lockout term. The Group 2 Collateral Pool has a weighted

average remaining lockout term of  $10^{(1)}$  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.

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

### **Structural Overview - Group 3**

**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 Group 3 MBS Pool.

**Priority of Principal:** The Group 3 Principal Distribution Amount for any Distribution Date

will be allocated as follows: scheduled and undscheduled principal payments included in the principal distribution for each Group 3 MBS on an aggregate basis, sequentially to the Class A1 and Class A2 in that

order, until retired.

Prepayment Premiums Distribution:

On each Distribution Date, any prepayment premiums that are included in the related MBS distributions on that date will be paid to the A1 and

A2 Classes in an amount equal to the 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 aggregate principal payable to the

A1 and A2 Classes for that Distribution Date

**Call Protection:** 33 underlying securities (representing 100% of Group 3) provide for a

remaining yield maintenance prepayment premium term. The Group 3 Collateral Pool has a weighted average remaining yield maintenance

term of 135 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.

### **Collateral Overview – Group 1**

**Fannie Mae ARM 7-4**<sup>TM</sup> **Program:** Collateral Group 1 comprises 19 loans all originated under Fannie Mae's ARM 7-4<sup>TM</sup> program which provides financing solutions for rental properties with rent and income restrictions as part of Fannie Mae's mission to preserve the availability and affordability of subsidized rental housing for low income renters. All 19 loans in Collateral Group 1 are backed by affordable properties with 93% of all the units carrying income or rent restrictions. All loans are 1-month LIBOR floaters with 4% 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 a FNMA ARM 7-4<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 MBS investor is paid off at par.

#### Group 1(1)(2)

Aggregate Cut-off Date Balance:	\$135,017,591
Number of Mortgage Loans:	19
Number of Underlying Pools:	19
Average Cut-off Date Balance per Mortgage Loan:	\$7,106,189
Weighted Average Pass-Through Rate	2.30%
% of Group 1 Secured by 5 Largest Mortgage Loans	52.1%
% of Group 1 Secured by 10 Largest Mortgage Loans	79.7%
Weighted Average Original Term to Maturity (months)	84
Weighted Average Remaining Term to Maturity (months)	80
Weighted Average Seasoning (months)	4
Weighted Average Remaining Lockout Term (months)	8
Weighted Average Net Margin	1.30%
Weighted Average Pass-Through Cap	4.00%
Weighted Average Periodic Cap (+/-)	1.00%
Weighted Average Original Amortization Term (months)	360
Weighted Average Remaining Amortization Term (months)	357
% of Group 1 Amortizing Balloon	79.1%
% of Group 1 Interest Only followed by Amortizing Balloon	20.9%
% of Group 1 Interest Only	0.0%

<sup>(1)</sup> Unless otherwise indicated , all references to "% of Group 1" in this Term Sheet reflect a percentage of the Group 1 aggregate principal balance as of the Cut-off Date, after application of all payments of principal due during or prior to May 2017.

<sup>(2)</sup> The Group 1 Collateral consists of 19 Fannie Mae multifamily MBS pools containing 19 loans. All loans underlying the pools are monthly-pay, variable-rate multifamily mortgages.

### **Collateral Overview – Group 2**

**Fannie Mae ARM 7-6**<sup>TM</sup> **Program:** Collateral Group 2 comprises 29 loans all originated under Fannie Mae's ARM 7-6<sup>TM</sup> program. All loans are 1-month LIBOR floaters with 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 a FNMA 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 MBS investor is paid off at par. More information on the Fannie Mae ARM 7-6<sup>TM</sup> loans can be found by visiting Fannie Mae's website at: <a href="https://www.efanniemae.com/mf/finsolutions/rateopsfeats/pdf/arm76.pdf">https://www.efanniemae.com/mf/finsolutions/rateopsfeats/pdf/arm76.pdf</a>

#### Group 2(1)(2)

Aggregate Cut-off Date Balance:	\$231,842,341
Number of Mortgage Loans:	29
Number of Underlying Pools:	29
Average Cut-off Date Balance per Mortgage Loan:	\$7,994,563
Weighted Average Pass-Through Rate	2.14%
% of Group 2 Secured by 5 Largest Mortgage Loans	36.5%
% of Group 2 Secured by 10 Largest Mortgage Loans	59.1%
Weighted Average Original Term to Maturity (months)	84
Weighted Average Remaining Term to Maturity (months)	82
Weighted Average Seasoning (months)	2
Weighted Average Remaining Lockout Term (months)	10
Weighted Average Net Margin	1.14%
Weighted Average Pass-Through Cap	6.00%
Weighted Average Periodic Cap (+/-)	1.00%
Weighted Average Original Amortization Term (months) <sup>(3)</sup>	360
Weighted Average Remaining Amortization Term (months) <sup>(3)</sup>	359
% of Group 2 Amortizing Balloon	49.9%
% of Group 2 Interest Only followed by Amortizing Balloon	47.3%
% of Group 2 Interest Only	2.8%

<sup>(1)</sup> Unless otherwise indicated , all references to "% of Group 2" in this Term Sheet reflect a percentage of the Group 2 aggregate principal balance as of the Cut-off Date, after application of all payments of principal due during or prior to May 2017.

<sup>(2)</sup> The Group 2 Collateral consists of 29 Fannie Mae multifamily MBS pools containing 29 loans. All loans underlying the pools are monthly-pay, variable-rate multifamily mortgages.

<sup>(3)</sup> Excludes loans that are interest only for the entire term.

### **Collateral Overview - Group 3**

#### Group $3^{(1)(2)}$

Aggregate Cut-off Date Balance:	\$396,162,697
Number of Mortgage Loans:	33
Number of Underlying Pools:	33
Average Cut-off Date Balance per Mortgage Loan:	\$12,004,930
Weighted Average Mortgage Rate:	4.67%
% of Group 3 Secured by 5 Largest Mortgage Loans	39.5%
% of Group 3 Secured by 10 Largest Mortgage Loans	66.3%
Weighted Average Original Term to Maturity (months):	144
Weighted Average Remaining Term to Maturity (months):	141
Weighted Average Seasoning (months):	3
Weighted Average Original Amortization Term (months) <sup>(3)</sup>	360
Weighted Average Remaining Amortization Term (months) <sup>(3)</sup>	360
% of Group 3 Amortizing Balloon	17.8%
% of Group 3 Interest Only followed by Amortizing Balloon	81.7%
% of Group 3 Interest Only	0.5%

<sup>(1)</sup> Unless otherwise indicated , all references to "% of Group 3" in this Term Sheet reflect a percentage of the Group 3 aggregate principal balance as of the Cut-off Date, after application of all payments of principal due during or prior to May 2017.

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 25yrs.pdf

<sup>(2)</sup> The Group 3 Collateral consists of 33 Fannie Mae multifamily MBS pools containing 33 loans. All loans underlying the pools are monthly-pay, fixed-rate multifamily mortgages.

<sup>(3)</sup> Excludes loans that are interest only for the entire term.

## **Collateral Stratification – Group 1**

	Underlying Securities by Cut-off Date Principal Balance											
Cut-off Date Principal Balance	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date 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 Average Remaining Prepayment Premium (Months)			
\$1,205,270 - \$2,999,999	4	8,424,031	6.24	2.919	1.287	84	81	3	78			
\$3,000,000 - \$4,999,999	5	19,018,979	14.09	2.796	1.321	84	79	5	76			
\$5,000,000 - \$7,999,999	3	18,589,138	13.77	2.690	1.303	84	80	4	77			
\$8,000,000 - \$11,999,999	5	51,551,515	38.18	2.594	1.298	84	79	5	76			
\$12,000,000 - \$19,999,999	1	15,353,928	11.37	2.740	1.300	84	82	2	79			
\$20,000,000 - \$22,080,000	1	22,080,000	16.35	2.785	1.305	84	82	2	79			
Total / WA:	19	135,017,591	100.00	2.704	1.303	84	80	4	77			

	Top 10 Loan Information										
Pool Number	Property Name	City	State	Property Type	Cut-off Date Principal Balance (\$)	% of Cut-off Date Principal Balance	DSCR (x) <sup>(1)</sup>	LTV (%) <sup>(2)</sup>			
AN4810	Logan Heights Apartments	Sanford	FL	Multifamily	22,080,000	16.35	2.00	79.0%			
AN4842	Del Nido Apartments	Santa Rosa	CA	Multifamily	15,353,928	11.37	1.35	77.0%			
AN4557	Maple Apartments	Denver	CO	Multifamily	11,307,054	8.37	1.35	70.3%			
AN2695	Woodside Gardens	Annapolis	MD	Multifamily	11,206,388	8.30	1.47	80.0%			
AN4528	MacArthur Terrace	Chicopee	MA	Multifamily	10,330,979	7.65	1.48	78.8%			
AN4556	Holly Apartments	Denver	CO	Multifamily	10,233,976	7.58	1.35	70.5%			
AN4829	Pine Apartments	Denver	CO	Multifamily	8,473,118	6.28	1.36	69.8%			
AN4558	Willow Apartments	Denver	CO	Multifamily	6,607,373	4.89	1.35	72.3%			
AN4828	Ash Apartments	Denver	CO	Multifamily	6,582,464	4.88	1.36	68.9%			
AN4370	Regency Gardens Apartments	Pompano Beach	FL	Multifamily	5,399,301	4.00	1.32	71.5%			
	Total / WA:				107,574,581	79.67	1.51	74.9%			

	Underlying Securities by Most Recent DSCR (1)											
Most Recent Debt Service Coverage Ratio	Number of Underlying Pools	Weighted Average Original Term to Maturity (Months)	Weighted Average Remaining Term to Maturity (Months)	Weighted Average Loan Age (Months)	Weighted Average Remaining Prepayment Premium (Months)							
1.30x - 1.39x	9	68,725,975	50.90	2.679	1.317	84	81	3	78			
1.40x - 1.49x	3	22,742,637	16.84	2.639	1.244	84	78	6	75			
1.50x - 1.74x	3	11,948,206	8.85	2.868	1.358	84	79	5	76			
1.75x - 1.99x	1	3,425,773	2.54	2.500	1.250	84	78	6	75			
2.00x - 2.49x	2	24,530,000	18.17	2.762	1.303	84	82	2	79			
2.50x - 2.68x	1	3,645,000	2.70	2.840	1.270	84	79	5	76			
Total / WA:	19	135,017,591	100.00	2.704	1.303	84	80	4	77			

Minimum Most Recent DSCR1.30xMaximum Most Recent DSCR2.68xWeighted Average Most Recent DSCR1.57x

<sup>(1)</sup> DSCR calculations are based on the initial interest rate for the related mortgage loan as per the DSCR Primer at: <a href="http://www.fanniemae.com/resources/file/mbs/pdf/dscrprimer.pdf">http://www.fanniemae.com/resources/file/mbs/pdf/dscrprimer.pdf</a>

<sup>(2)</sup> LTV values are as of the loan origination data of the related mortgage loan

## **Collateral Stratification – Group 1 (cont.)**

	Underlying Securities by At Issuance LTV <sup>(1)</sup>										
						Weighted	Weighted				
			% of Cut-off	Weighted	Weighted	Average	Average	Weighted	Weighted Average		
	Number of	Cut-off Date	Date	Average	Average	Original Term to	Remaining Term	Average	Remaining		
	Underlying	Principal	Principal	ARM Gross	ARM Net	Maturity	to Maturity	Loan Age	Prepayment		
UW Loan to Value Ratio	Pools	Balance (\$)	Balance	Margin (%)	Margin (%)	(Months)	(Months)	(Months)	Premium (Months)		
60.6% - 64.9%	2	7,879,244	5.84	2.794	1.391	84	76	8	73		
65.0% - 69.9%	2	15,055,582	11.15	2.550	1.300	84	81	3	78		
70.0% - 74.9%	5	35,997,705	26.66	2.652	1.330	84	80	4	77		
75.0% - 79.9%	7	59,036,740	43.73	2.794	1.309	84	81	3	78		
80.0% - 84.9%	3	17,048,321	12.63	2.595	1.184	84	77	7	74		
Total / WA:	19	135,017,591	100.00	2.704	1.303	84	80	4	77		

Minimum Underwritten LTV 60.6% Maximum Underwritten LTV 80.0% Weighted Average Underwritten LTV 74.5%

Underlying Securities by Current Amortization Type									
	Number of Underlying	Cut-off Date Principal	% of Cut-off Date Principal	Weighted Average ARM Gross	Weighted Average ARM Net	Weighted Average Original Term to Maturity	Weighted Average Remaining Term to Maturity	Weighted Average Loan Age	Weighted Average Remaining Prepayment
Amortization Type	Pools	Balance (\$)	Balance	Margin (%)	Margin (%)	(Months)	(Months)	(Months)	Premium (Months)
Balloon	16	106,842,591	79.13	2.686	1.304	84	80	4	77
Partial IO	3	28,175,000	20.87	2.772	1.298	84	82	2	79
Total / WA:	19	135,017,591	100.00	2.704	1.303	84	80	4	77

Г	Underlying Securities by Fannie Mae MBS Prefix*									
							Weighted	Weighted		
				% of Cut-off	Weighted	Weighted	Average	Average	Weighted	Weighted Average
		Number of	Cut-off Date	Date	Average	Average	Original Term to	Remaining Term	Average	Remaining
		Underlying	Principal	Principal	ARM Gross	ARM Net	Maturity	to Maturity	Loan Age	Prepayment
	Prefix Type	Pools	Balance (\$)	Balance	Margin (%)	Margin (%)	(Months)	(Months)	(Months)	Premium (Months)
Г	HA	18	131,591,819	97.46	2.709	1.304	84	80	4	77
	HR	1	3,425,773	2.54	2.500	1.250	84	78	6	75
Г	Total / WA:	19	135,017,591	100.00	2.704	1.303	84	80	4	77

<sup>\*</sup>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 Property Type											
						Weighted	Weighted					
			% of Cut-off	Weighted	Weighted	Average	Average	Weighted	Weighted Average			
	Number of	Cut-off Date	Date	Average	Average	Original Term to	Remaining Term	Average	Remaining			
	Underlying	Principal	Principal	ARM Gross	ARM Net	Maturity	to Maturity	Loan Age	Prepayment			
Property Type	Pools	Balance (\$)	Balance	Margin (%)	Margin (%)	(Months)	(Months)	(Months)	Premium (Months)			
Multifamily	19	135,017,591	100.00	2.704	1.303	84	80	4	77			
Total / WA:	19	135,017,591	100.00	2.704	1.303	84	80	4	77			

<sup>(1)</sup> LTV values are as of the loan origination date of the related mortgage loan

## **Collateral Stratification – Group 1 (cont.)**

	Underlying Securities by Loan Note Rate											
	Number of Underlying	Cut-off Date Principal	% of Cut-off Date Principal	Average ARM Gross	Weighted Average ARM Net	Weighted Average Original Term to Maturity	to Maturity	Weighted Average Loan Age	Weighted Average Remaining Prepayment			
3.375% - 3.499%	Pools	Balance (\$) 14.632.161	Balance 10.84	Margin (%) 2.423	Margin (%) 1.173	(Months) 84	(Months) 76	(Months)	Premium (Months)			
3.500% - 3.599%	7	49,093,281	36.36	2.423	1.173	84	81	3	73 78			
3.600% - 3.749%	1	15,353,928	11.37	2.740	1.300	84	82	2	79			
3.750% - 3.899%	3	36,055,979	26.70	2.803	1.314	84	81	3	78			
3.900% - 3.999%	3	11,241,234	8.33	2.970	1.250	84	80	4	77			
4.000% - 4.214%	3	8,641,009	6.40	3.065	1.406	84	78	6	75			
Total / WA:	19	135,017,591	100.00	2.704	1.303	84	80	4	77			

Minimum Loan Note Rate 3.394% Maximum Loan Note Rate 4.214% WA Loan Note Rate 3.698%

			Underlyi	ng Securitie	s by Pass Th	rough Rate			
	Number of Underlying	Cut-off Date Principal	% of Cut-off Date Principal	Weighted Average ARM Gross	Weighted Average ARM Net	Weighted Average Original Term to Maturity	Weighted Average Remaining Term to Maturity	Weighted Average Loan Age	Weighted Average Remaining Prepayment
Pass-Through Rate	Pools	Balance (\$)	Balance	Margin (%)	Margin (%)	(Months)	(Months)	(Months)	Premium (Months)
2.100% - 2.199%	2	12,411,659	9.19	2.480	1.155	84	77	7	74
2.200% - 2.299%	11	76,690,813	56.80	2.729	1.290	84	81	3	78
2.300% - 2.399%	5	41,461,649	30.71	2.691	1.350	84	80	4	77
2.400% - 2.494%	1	4,453,471	3.30	3.020	1.500	84	75	9	72
Total / WA:	19	135,017,591	100.00	2.704	1.303	84	80	4	77

Minimum Pass-Through Rate 2.144%
Maximum Pass-Through Rate 2.494%
WA Pass-Through Rate 2.297%

			U	nderlying Se	curities by S	State			
			% of Cut-off	Weighted	Weighted	Weighted Average	Weighted Average	Weighted	Weighted Average
	Number of	Cut-off Date	Date	Average	Average	Original Term to	•	Average	Remaining
	Underlying	Principal	Principal	ARM Gross	ARM Net	Maturity	to Maturity	Loan Age	Prepayment
State	Pools	Balance (\$)	Balance	Margin (%)	Margin (%)	(Months)	(Months)	(Months)	Premium (Months)
CO	5	43,203,985	32.00	2.583	1.333	84	80	4	77
FL	2	27,479,301	20.35	2.821	1.294	84	82	2	79
CA	1	15,353,928	11.37	2.740	1.300	84	82	2	79
MD	2	14,632,161	10.84	2.423	1.173	84	76	8	73
MA	1	10,330,979	7.65	2.830	1.350	84	80	4	77
MN	1	4,453,471	3.30	3.020	1.500	84	75	9	72
GA	1	4,055,440	3.00	2.970	1.250	84	80	4	77
AR	1	3,645,000	2.70	2.840	1.270	84	79	5	76
KY	1	3,439,296	2.55	2.550	1.300	84	82	2	79
OH	2	2,991,764	2.22	3.071	1.230	84	81	3	78
TN	1	2,982,267	2.21	3.070	1.350	84	80	4	77
OR	1	2,450,000	1.81	2.550	1.280	84	82	2	79
Total / WA:	19	135,017,591	100.00	2.704	1.303	84	80	4	77

## **Collateral Stratification – Group 1 (cont.)**

				Underlying	Securities by	/ Original Te	rm To Maturity			
							Weighted	Weighted		
				% of Cut-off	Weighted	Weighted	Average	Average	Weighted	Weighted Average
		Number of	Cut-off Date	Date	Average	Average	Original Term to	Remaining Term	Average	Remaining
Original	Term to Maturity	Underlying	Principal	Principal	ARM Gross	ARM Net	Maturity	to Maturity	Loan Age	Prepayment
	(Months)	Pools	Balance (\$)	Balance	Margin (%)	Margin (%)	(Months)	(Months)	(Months)	Premium (Months)
	84	19	135,017,591	100.00	2.704	1.303	84	80	4	77
To	otal / WA:	19	135,017,591	100.00	2.704	1.303	84	80	4	77

		Į	Jnderlying S	ecurities by l	Remaining T	erm To Maturity			
						Weighted	Weighted		
			% of Cut-off	Weighted	Weighted	Average	Average	Weighted	Weighted Average
	Number of	Cut-off Date	Date	Average	Average	Original Term to	Remaining Term	Average	Remaining
Remaining Term to	Underlying	Principal	Principal	ARM Gross	ARM Net	Maturity	to Maturity	Loan Age	Prepayment
Maturity (Months)	Pools	Balance (\$)	Balance	Margin (%)	Margin (%)	(Months)	(Months)	(Months)	Premium (Months)
75	1	4,453,471	3.30	3.020	1.500	84	75	9	72
76	1	11,206,388	8.30	2.400	1.150	84	76	8	73
78	1	3,425,773	2.54	2.500	1.250	84	78	6	75
79	2	5,431,493	4.02	2.883	1.263	84	79	5	76
80	7	50,916,390	37.71	2.743	1.331	84	80	4	77
81	2	15,055,582	11.15	2.550	1.300	84	81	3	78
82	4	43,323,224	32.09	2.737	1.301	84	82	2	79
83	1	1,205,271	0.89	3.220	1.200	84	83	1	80
Total / WA:	19	135,017,591	100.00	2.704	1.303	84	80	4	77

	Underlying Securities by Loan Age											
Loan Age Range (Months)	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date 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 Average Remaining Prepayment Premium (Months)			
1 - 3	7	59.584.076		2.700	1.299	84	82	(10011113)	79			
	,	,,						۷.	-			
4 - 6	10	59,773,656	44.27	2.742	1.321	84	80	4	77			
7 - 9	2	15,659,859	11.60	2.576	1.250	84	76	8	73			
Total / WA:	19	135,017,591	100.00	2.704	1.303	84	80	4	77			

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**

		Unde	lying Securi	ties by Cut-o	Underlying Securities by Cut-off Date Principal Balance												
Cut-off Date Principal Balance	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date 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 Average Remaining Prepayment Premium (Months)								
\$897,369 - \$2,999,999	6	10,356,759	4.47	3.060	1.245	84	82	2	79								
\$3,000,000 - \$4,999,999	2	8,688,000	3.75	2.671	0.991	84	81	3	78								
\$5,000,000 - \$7,999,999	8	49,973,394	21.55	2.794	1.178	84	82	2	79								
\$8,000,000 - \$11,999,999	8	78,138,432	33.70	2.660	1.096	84	82	2	79								
\$12,000,000 - \$19,999,999	4	58,194,562	25.10	2.720	1.229	84	81	3	78								
\$20,000,000 - \$26,533,727	1	26,491,195	11.43	2.470	1.030	84	81	3	78								
Total / WA:	29	231,842,341	100.00	2.701	1.142	84	82	2	79								

	Top 10 Loan Information											
Pool Number	Property Name	City	State	Property Type	Cut-off Date Principal Balance (\$)	% of Cut-off Date Principal Balance	DSCR (x) <sup>(1)</sup>	LTV (%) <sup>(2)</sup>				
AN4511	Coppertree Apartments	Indianapolis	IN	Multifamily	26,491,195	11.43	1.65	80.0%				
AN4702	River View Apartments	Tampa	FL	Multifamily	18,250,000	7.87	2.56	77.3%				
AN4684	Falls Of Town Park	Houston	TX	Multifamily	14,434,562	6.23	1.76	65.0%				
AN4986	Oyster Creek Apartments	Lake Jackson	TX	Multifamily	13,070,000	5.64	2.69	75.0%				
AN4994	Treasure Bay Apartments	Lake Jackson	TX	Multifamily	12,440,000	5.37	2.50	74.1%				
AN4725	Concepts 21 Apartments	Austell	GA	Multifamily	11,937,000	5.15	2.41	80.0%				
AN5054	Meadows At Ferguson	Dallas	TX	Multifamily	10,269,143	4.43	1.56	71.5%				
AN5345	The Grove Apartments	Lake City	FL	Multifamily	10,075,249	4.35	1.57	70.1%				
AN5000	Tuscany Apartments	Fort Worth	TX	Multifamily	10,000,000	4.31	2.50	72.2%				
AN4693	Chardonnay Ridge Apartments	Modesto	CA	Multifamily	9,970,267	4.30	1.66	80.0%				
	Total / WA:			-	136,937,415	59.06	2.08	75.1%				

	Underlying Securities by Most Recent DSCR (1)												
Most Recent Debt Service Coverage Ratio	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date 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 Average Remaining Prepayment Premium (Months)				
1.40x - 1.59x	6	38,712,621	16.70	2.803	1.184	84	82	2	79				
1.60x - 1.79x	7	76,448,405	32.97	2.690	1.202	84	81	3	78				
1.80x - 1.99x	3	9,917,615	4.28	3.025	1.450	84	81	3	78				
2.00x - 2.19x	2	1,807,700	0.78	2.860	0.880	84	82	2	79				
2.20x - 2.39x	2	11,200,000	4.83	2.980	1.300	84	83	2	80				
2.40x - 2.69x	6	75,197,000	32.43	2.619	1.074	84	82	2	79				
2.70x - 3.72x	3	18,559,000	8.01	2.503	0.852	84	82	2	79				
Total / WA:	29	231,842,341	100.00	2.701	1.142	84	82	2	79				

Minimum Most Recent DSCR1.41xMaximum Most Recent DSCR3.72xWeighted Average Most Recent DSCR2.10x

<sup>(1)</sup> DSCR calculations are based on the initial interest rate for the related mortgage loan as per the DSCR Primer at: http://www.fanniemae.com/resources/file/mbs/pdf/dscrprimer.pdf

<sup>(2)</sup> LTV values are as of the loan origination data of the related mortgage loan

## **Collateral Stratification – Group 2 (cont.)**

			Underlying 9	Securities by	At Issuance	LTV <sup>(1)</sup>			
UW Loan to Value Ratio	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date 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)	Average	Weighted Average Remaining Prepayment Premium (Months)
45.0% - 59.9%	1	6,500,000	2.80	3.210	1.750	84	81	3	78
60.0% - 64.9%	2	11,117,000	4.80	2.528	0.825	84	82	2	79
65.0% - 69.9%	4	25,108,208	10.83	2.936	1.481	84	82	2	79
70.0% - 74.9%	9	77,972,951	33.63	2.640	1.049	84	82	2	79
75.0% - 80.0%	13	111,144,182	47.94	2.678	1.128	84	81	3	78
Total / WA:	29	231,842,341	100.00	2.701	1.142	84	82	2	79

Minimum Underwritten LTV45.9%Maximum Underwritten LTV80.0%Weighted Average Underwritten LTV73.7%

		Und	lerlying Secu	ırities by Cu	rrent Amorti:	zation Type			
Amortization Type	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date 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 Average Remaining Prepayment Premium (Months)
Partial IO	12	109,579,000	47.26	2.639	1.057	84	82	2	79
Balloon	16	115,763,341	49.93	2.730	1.189	84	82	2	79
Interest Only	1	6,500,000	2.80	3.210	1.750	84	81	3	78
Total / WA:	29	231,842,341	100.00	2.701	1.142	84	82	2	79

	Underlying Securities by Fannie Mae MBS Prefix*													
Prefix Type	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date 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)	Average	Weighted Average Remaining Prepayment Premium (Months)					
HA	26	218,383,848	94.19	2.675	1.120	84	82	2	79					
HR	3	13,458,493	5.81	3.115	1.506	84	81	3	78					
Total / WA:	29	231,842,341	100.00	2.701	1.142	84	82	2	79					

<sup>\*</sup>Prefix definitions can be found by visiting Fannie Mae's website at:

 $\underline{\text{http://w w w .fanniemae.com/resources/file/mbs/pdf/pool-prefix-glossary.pdf}}$ 

	Underlying Securities by Property Type												
Property Type	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date 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)	Average	Weighted Average Remaining Prepayment Premium (Months)				
Multifamily	28	225,348,341	97.20	2.709	1.155	84	82	2	79				
Dedicated Student	1	6,494,000	2.80	2.420	0.700	84	83	1	80				
Total / WA:	29	231,842,341	100.00	2.701	1.142	84	82	2	79				

<sup>(1)</sup> LTV values are as of the loan origination date of the related mortgage loan

## **Collateral Stratification – Group 2 (cont.)**

	Underlying Securities by Loan Note Rate												
						Weighted	Weighted						
			% of Cut-off	Weighted	Weighted	Average	Average	Weighted	Weighted Average				
	Number of	Cut-off Date	Date	Average	Average	Original Term	Remaining	Average	Remaining				
	Underlying	Principal	Principal	ARM Gross	ARM Net	to Maturity	<b>Term to Maturity</b>	Loan Age	Prepayment				
Loan Note Rate	Pools	Balance (\$)	Balance	Margin (%)	Margin (%)	(Months)	(Months)	(Months)	Premium (Months)				
3.400% - 3.599%	10	106,746,454	46.04	2.509	0.966	84	82	2	79				
3.600% - 3.799%	7	62,175,700	26.82	2.694	1.121	84	82	2	79				
3.800% - 3.999%	8	36,854,182	15.90	2.938	1.284	84	82	2	79				
4.000% - 4.199%	3	23,730,512	10.24	3.114	1.701	84	81	3	78				
4.600% - 4.704%	1	2,335,493	1.01	3.710	1.830	84	81	3	78				
Total / WA:	29	231,842,341	100.00	2.701	1.142	84	82	2	79				

Minimum Loan Note Rate3.414%Maximum Loan Note Rate4.704%WA Loan Note Rate3.695%

	Underlying Securities by Pass Through Rate													
Pass-Through Rate	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date 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 Average Remaining Prepayment Premium (Months)					
1.650% - 1.799%	1	6,494,000	2.80	2.420	0.700	84	83	1	80					
1.800% - 1.899%	5	13,612,089	5.87	2.601	0.852	84	83	1	80					
1.900% - 1.999%	7	57,637,379	24.86	2.552	0.973	84	82	2	79					
2.000% - 2.199%	6	82,345,587	35.52	2.584	1.076	84	82	2	79					
2.200% - 2.399%	5	35,717,014	15.41	2.874	1.255	84	81	3	78					
2.400% - 2.599%	2	12,766,216	5.51	3.026	1.456	84	81	3	78					
2.600% - 2.824%	3	23,270,055	10.04	3.173	1.746	84	81	3	78					
Total / WA:	29	231,842,341	100.00	2.701	1.142	84	82	2	79					

Minimum Pass-Through Rate1.694%Maximum Pass-Through Rate2.824%WA Pass-Through Rate2.136%

			Unde	rlying Securi	ities by State	)			
State	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date 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 Average Remaining Prepayment Premium (Months)
TX	10	87,180,034	37.60	2.765	1.232	84	82	2	79
FL	3	36,712,022	15.83	2.543	0.971	84	82	2	79
IN	1	26,491,195	11.43	2.470	1.030	84	81	3	78
GA	2	17,708,558	7.64	2.747	1.162	84	82	2	79
CA	2	12,766,216	5.51	3.026	1.456	84	81	3	78
CT	2	11,200,000	4.83	2.980	1.300	84	83	2	80
IL	1	9,500,000	4.10	2.530	0.950	84	83	1	80
LA	1	8,000,000	3.45	2.490	0.910	84	82	2	79
MN	1	6,500,000	2.80	3.210	1.750	84	81	3	78
SC	1	6,494,000	2.80	2.420	0.700	84	83	1	80
TN	4	5,225,316	2.25	2.738	0.880	84	82	2	79
AZ	1	4,065,000	1.75	2.660	0.980	84	81	3	78
Total / WA:	29	231,842,341	100.00	2.701	1.142	84	82	2	79

## **Collateral Stratification – Group 2 (cont.)**

	Underlying Securities by Original Term To Maturity												
Original Term to Maturity	Number of Underlying	Cut-off Date Principal	% of Cut-off Date Principal	Weighted Average ARM Gross	Weighted Average ARM Net	Weighted Average Original Term to Maturity	Weighted Average Remaining Term to Maturity	Weighted Average Loan Age	Weighted Average Remaining Prepayment				
(Months)	Pools	Balance (\$)	Balance	Margin (%)	Margin (%)	(Months)	(Months)	(Months)	Premium (Months)				
84	29	231,842,341	100.00	2.701	1.142	84	82	2	79				
Total / WA:	29	231,842,341	100.00	2.701	1.142	84	82	2	79				

	Underlying Securities by Remaining Term To Maturity													
Remaining Term to Maturity (Months)	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date 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 Average Remaining Prepayment Premium (Months)					
81	11	111,186,531	47.96	2.770	1.256	84	81	3	78					
82	9	54,604,458	23.55	2.684	1.093	84	82	2	79					
83	9	66,051,351	28.49	2.597	0.993	84	83	1	80					
Total / WA:	29	231,842,341	100.00	2.701	1.142	84	82	2	79					

	Underlying Securities by Loan Age													
Loan Age Range (Months)	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date 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)	Average	Weighted Average Remaining Prepayment Premium (Months)					
1	9	66,051,351	28.49	2.597	0.993	84	83	1	80					
2	9	54,604,458	23.55	2.684	1.093	84	82	2	79					
3	11	111,186,531	47.96	2.770	1.256	84	81	3	78					
Total / WA:	29	231,842,341	100.00	2.701	1.142	84	82	2	79					

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

### **Collateral Stratification – Group 3**

		Und	erlying Secu	rities by Cut	off Date Prir	ncipal Balance			
Cut-off Date Principal	Number of Underlying	Cut-off Date Principal	% of Cut-off Date Principal	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
Balance	Pools	Balance (\$)	Balance	Rate (%)	Rate (%)	(Months)	(Months)	(Months)	Term (Months)
\$1,183,354 - \$2,999,999	6	10,575,183	2.67	4.769	3.321	144	140	4	134
\$3,000,000 - \$4,999,999	7	28,647,074	7.23	4.535	3.121	144	140	4	134
\$5,000,000 - \$9,999,999	5	36,310,000	9.17	4.717	3.144	144	141	3	135
\$10,000,000 - \$14,999,999	5	58,126,612	14.67	4.663	3.149	144	140	4	134
\$15,000,000 - \$19,999,999	2	35,329,200	8.92	4.061	2.604	144	140	4	134
\$20,000,000 - \$29,999,999	6	151,121,300	38.15	4.529	3.040	144	141	3	135
\$30,000,000 - \$45,656,209	2	76,053,328	19.20	5.262	3.422	144	142	2	136
Total / WA:	33	396,162,697	100.00	4.672	3.113	144	141	3	135

		Top 10 Loan li	nformatio	on				
Pool Number	Property Name	City	State	Property Type	Cut-off Date Principal Balance (\$)	% of Cut-off Date Principal Balance	DSCR (x) <sup>(1)</sup>	LTV (%) <sup>(2)</sup>
AN5016	Spring Hills Cherry Hill	Cherry Hill	NJ	Seniors	45,605,328	11.51	1.40	69.5%
AN4392	The Lodge at BridgeMill	Canton	GA	Multifamily	30,448,000	7.69	1.25	76.1%
AN4517	Mission Ranch Apartments	Mesquite	TX	Multifamily	27,292,300	6.89	1.25	76.6%
AN3641	The Enclave at Breckenridge	Louisville	KY	Multifamily	27,200,000	6.87	1.30	78.9%
AN5351	GreenRock Estates	Charlotte	NC	Multifamily	26,025,000	6.57	1.26	75.0%
AN3622	Bella Vista Apartments	Richland	WA	Multifamily	25,500,000	6.44	1.49	69.9%
AN4297	Grand at Polaris	Orange Township	OH	Multifamily	24,359,000	6.15	1.25	77.8%
AN4015	Riverstone Apartment Homes	Tucson	AZ	Multifamily	20,745,000	5.24	1.25	75.0%
AN3644	Little Tuscany Apartments	Olympia	WA	Multifamily	18,949,200	4.78	1.25	71.0%
AN2990	Riverwood Apartments	Conroe	TX	Multifamily	16,380,000	4.13	1.54	62.8%
	Total / WA:			•	262,503,828	66.26	1.32	73.5%

			Underlying S	Securities by	/ Most Recen	t DSCR (1)			
Most Recent Debt Service Coverage Ratio	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date 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)	Weighted Average Remaining Yield Maintenance Term (Months)
1.25x - 1.29x	19	225,874,441	57.02	4.731	3.182	144	140	4	134
1.30x - 1.39x	6	62,628,871	15.81	4.431	2.952	144	140	4	134
1.40x - 1.49x	5	82,424,385	20.81	4.880	3.136	144	141	3	135
1.50x - 1.74x	2	23,335,000	5.89	4.052	2.774	144	142	2	136
1.75x - 2.84x	1	1,900,000	0.48	4.190	3.340	144	141	3	135
Total / WA:	33	396,162,697	100.00	4.672	3.113	144	141	3	135

Minimum Most Recent DSCR1.25xMaximum Most Recent DSCR2.84xWeighted Average Most Recent DSCR1.32x

<sup>(1)</sup> DSCR calculations are based on the most recent annual amortizing data for the related mortgage loan, except for the full term interest only loans which were based on the interest-only payments

<sup>(2)</sup> LTV values are as of the loan origination date of the related mortgage loan

## **Collateral Stratification – Group 3 (cont.)**

	Underlying Securities by At Issuance LTV <sup>(1)</sup>													
UW Loan to Value Ratio	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date 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)	Weighted Average Remaining Yield Maintenance Term (Months)					
27.0% - 59.9%	1	1,900,000	0.48	4.190	3.340	144	141	3	135					
60.0% - 69.9%	8	104,415,593	26.36	4.704	3.060	144	141	3	135					
70.0% - 74.9%	8	68,366,394	17.26	4.545	3.000	144	140	4	134					
75.0% - 79.9%	13	200,714,710	50.66	4.693	3.165	144	141	3	135					
80.0% - 84.9%	3	20,766,000	5.24	4.764	3.231	144	140	4	134					
Total / WA:	33	396,162,697	100.00	4.672	3.113	144	141	3	135					

Minimum Underwritten LTV27.0%Maximum Underwritten LTV80.0%Weighted Average Underwritten LTV73.9%

	Underlying Securities by Current Amortization Type												
	Number of Underlying	Cut-off Date Principal	% of Cut-off Date Principal	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				
Amortization Type	Pools	Balance (\$)	Balance	Rate (%)	Rate (%)	(Months)	(Months)	(Months)	Term (Months)				
Partial IO	24	323,589,300	81.68	4.561	3.057	144	140	4	134				
Balloon	8	70,673,397	17.84	5.192	3.363	144	141	3	135				
Interest Only	1	1,900,000	0.48	4.190	3.340	144	141	3	135				
Total / WA:	33	396,162,697	100.00	4.672	3.113	144	141	3	135				

	Underlying Securities by Fannie Mae MBS Prefix*											
Prefix Type	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date 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)	Weighted Average Remaining Yield Maintenance Term (Months)			
HY	32	394,062,697	99.47	4.676	3.117	144	141	3	135			
H2	1	2,100,000	0.53	3.890	2.470	144	138	6	132			
Total / WA:	33	396,162,697	100.00	4.672	3.113	144	141	3	135			

\*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 Property Type											
Property Type	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date 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)	Weighted Average Remaining Yield Maintenance Term (Months)			
Multifamily	28	323,524,369	81.66	4.560	3.049	144	140	4	134			
Manufactured Housing	4	27,033,000	6.82	4.728	3.345	144	140	4	134			
Seniors	1	45,605,328	11.51	5.430	3.430	144	142	2	136			
Total / WA:	33	396,162,697	100.00	4.672	3.113	144	141	3	135			

<sup>(1)</sup> LTV values are as of the loan origination date of the related mortgage loan

## **Collateral Stratification – Group 3 (cont.)**

			Underlyin	g Securities	by Loan No	te Rate			
Loan Note Rate	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date 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)	Weighted Average Remaining Yield Maintenance Term (Months)
3.820% - 3.999%	3	21,974,057	5.55	3.838	2.581	144	140	4	134
4.000% - 4.149%	1	25,500,000	6.44	4.070	2.600	144	139	5	133
4.150% - 4.299%	4	52,852,700	13.34	4.225	2.671	144	140	4	134
4.300% - 4.449%	2	20,878,800	5.27	4.381	2.699	144	139	5	133
4.450% - 4.599%	3	28,702,518	7.25	4.492	3.086	144	139	5	133
4.600% - 4.749%	5	59,016,382	14.90	4.669	3.287	144	142	2	136
4.750% - 4.899%	6	63,781,812	16.10	4.819	3.263	144	141	3	135
4.900% - 4.999%	4	42,084,300	10.62	4.929	3.386	144	140	4	134
5.000% - 5.249%	2	31,631,354	7.98	5.013	3.420	144	141	3	135
5.250% - 5.430%	3	49,740,774	12.56	5.430	3.446	144	142	2	136
Total / WA:	33	396,162,697	100.00	4.672	3.113	144	141	3	135

Minimum Loan Note Rate3.820%Maximum Loan Note Rate5.430%WA Loan Note Rate4.672%

			Underlying	Securities b	y Pass Thro	ugh Rate			
Pass-Through Rate	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date 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)	Weighted Average Remaining Yield Maintenance Term (Months)
2.470% - 2.649%	4	71,180,000		4.061	2.600	144	140	4	134
2.650% - 2.999%	5	48,125,557	12.15	4.279	2.683	144	139	5	133
3.000% - 3.149%	2	24,997,518	6.31	4.482	3.060	144	139	5	133
3.150% - 3.299%	8	97,007,812	24.49	4.760	3.250	144	141	3	135
3.300% - 3.449%	11	149,533,010	37.75	5.040	3.397	144	141	3	135
3.450% - 3.599%	1	2,542,593	0.64	5.430	3.570	144	140	4	134
3.600% - 3.700%	2	2,776,208	0.70	5.289	3.687	144	140	4	134
Total / WA:	33	396,162,697	100.00	4.672	3.113	144	141	3	135

Minimum Pass-Through Rate2.470%Maximum Pass-Through Rate3.700%WA Pass-Through Rate3.113%

			Unde	erlying Secu	urities by Sta	te			
	Number of	Cut-off Date	% of Cut-off Date		Weighted Average	Weighted Average Original Term	Weighted Average Remaining Term	Weighted Average	Weighted Average Remaining Yield
	Underlying	Principal	Principal	Mortgage	Pass Thru	to Maturity	to Maturity	Loan Age	Maintenance
State	Pools	Balance (\$)	Balance	Rate (%)	Rate (%)	(Months)	(Months)	(Months)	Term (Months)
TX	5	71,322,800	18.00	4.615	3.134	144	140	4	134
WA	4	59,750,000	15.08	4.218	2.682	144	139	5	133
NJ	1	45,605,328	11.51	5.430	3.430	144	142	2	136
GA	1	30,448,000	7.69	5.010	3.410	144	141	3	135
NC	3	29,750,947	7.51	4.787	3.329	144	143	1	137
KY	1	27,200,000	6.87	4.210	2.640	144	141	3	135
ОН	1	24,359,000	6.15	4.775	3.255	144	141	3	135
AZ	1	20,745,000	5.24	4.470	3.050	144	139	5	133
VA	2	13,652,518	3.45	4.760	3.241	144	142	2	136
MI	1	13,500,000	3.41	4.660	3.370	144	140	4	134
FL	2	13,033,000	3.29	4.532	2.867	144	139	5	133
IA	1	10,746,312	2.71	4.850	3.230	144	140	4	134
CT	2	8,642,000	2.18	4.878	3.338	144	141	3	135
NY	1	6,955,000	1.76	4.600	3.300	144	143	1	137
PA	2	5,594,057	1.41	3.890	2.670	144	138	6	132
ME	1	5,306,000	1.34	4.930	3.390	144	141	3	135
AL	1	4,803,500	1.21	4.150	2.670	144	138	6	132
CA	1	1,900,000	0.48	4.190	3.340	144	141	3	135
SC	1	1,592,854	0.40	5.430	3.700	144	140	4	134
MT	1	1,256,382	0.32	4.630	3.400	144	143	1	137
Total / WA:	33	396,162,697	100.00	4.672	3.113	144	141	3	135

## **Collateral Stratification – Group 3 (cont.)**

Ĺ		Underlying Securities by Original Term To Maturity										
	Original Term to Maturity	, ,	Cut-off Date Principal	% of Cut-off Date Principal	Weighted Average Mortgage	Weighted Average Pass Thru	Weighted Average Original Term to Maturity	to Maturity	Weighted Average Loan Age	Weighted Average Remaining Yield Maintenance		
	(Months)	Pools	Balance (\$)	Balance	Rate (%)	Rate (%)	(Months)	(Months)	(Months)	Term (Months)		
Ī	144	33	396,162,697	100.00	4.672	3.113	144	141	3	135		
Γ	Total / WA:	33	396,162,697	100.00	4.672	3.113	144	141	3	135		

		Und	derlying Secu	ırities by Re	maining Ter	m To Maturity			
Remaining Term to Maturity (Months)	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date 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)	Weighted Average Remaining Yield Maintenance Term (Months)
138	4	19,680,557	4.97	4.203	2.665	144	138	6	132
139	6	85,861,000	21.67	4.323	2.807	144	139	5	133
140	10	87,514,430	22.09	4.837	3.325	144	140	4	134
141	6	105,593,000	26.65	4.546	3.040	144	141	3	135
142	3	53,877,328	13.60	5.336	3.415	144	142	2	136
143	4	43,636,382	11.01	4.722	3.297	144	143	1	137
Total / WA:	33	396,162,697	100.00	4.672	3.113	144	141	3	135

	Underlying Securities by Loan Age										
Loa	n Age Range (Months)	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date 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)	Weighted Average Remaining Yield Maintenance Term (Months)	
	1-3	13	203,106,710	51.27	4.794	3.195	144	142	2	136	
	4 - 6	20	193,055,987	48.73	4.544	3.027	144	139	5	133	
	Total / WA:	33	396,162,697	100.00	4.672	3.113	144	141	3	135	

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

#### Schedule 1

### Available Recombinations<sup>(1)</sup>

Remic Co	ertificates			RC	R Certificate	es		
Classes	Original Balances	RCR Classes	Approximate Initial Certificate Balance <sup>(2)</sup>	% of Initial Group Certificate Balance <sup>(3)</sup>	Expected Weighted Average Life (Years) <sup>(4)</sup>	Expected Principal Window (Months) <sup>(5)</sup>	Coupon Type	Pricing Speed
Combination 1								
FA1	\$16,979,530	FC1	\$60,183,515	44.57%	6.24	1-83	Floater/AFC	0 CPY
FA2	\$43,203,985							
Combination 2	2					_		
FA2	\$43,203,985	FC2	\$118,038,060	87.42%	6.25	1-82	Floater/AFC	0 CPY
FA3	\$74,834,075							
Combination 3	3							
FA1	\$16,979,530	FC3	\$91,813,605	68.00%	6.26	1-83	Floater/AFC	0 CPY
FA3	\$74,834,075							
Combination 4	ļ							
FA1	\$16,979,530	FC4	\$135,017,590	100.00%	6.25	1-83	Floater/AFC	0 CPY
FA2	\$43,203,985							
FA3	\$74,834,075							

- (1) REMIC Certificates and RCR Certificates in any Recombination may be exchanged only in the proportions of original principal balances for the related Classes shown in this Schedule 1 (disregarding any retired Classes). For example, if a particular Recombination includes two REMIC Classes and one RCR Class whose original principal balances shown in the schedule reflect a 1:1:2 relationship, the same 1:1:2 relationship among the original principal balances of those REMIC and RCR Classes must be maintained in any exchange. This is true even if, as a result of the applicable payment priority sequence, the relationship between their current principal balances has changed over time. Moreover, if as a result of the proposed exchange, a Certificateholder would hold a REMIC Certificate or RCR Certificate of a Class in an amount less than the applicable minimum denomination for that class, the Certificateholder will be unable to effect the proposed exchange.
- (2) The initial certificate balances are approximate and on the settlement date may vary by up to 5%. Underlying pools may be removed from or added to the mortgage pool prior to the settlement date within the same maximum permitted variance. Any reduction or increase in the aggregate principal balance of underlying pools within these parameters will result in changes to the initial certificate balance of each class of certificates and to the other statistical data.
- (3) Approximate as of the settlement date.
- (4) Calculated at 0% CPY.
- (5) The expected principal window is expressed in months following the settlement date and reflects the period during which distributions of principal would be received under the pricing speed assumptions.