Guaranteed REMIC Pass-Through Certificates Fannie Mae REMIC Trust 2003-125

The Certificates

We, the Federal National Mortgage Association ("Fannie Mae"), will issue the classes of certificates listed in the chart on this page.

Payments to Certificateholders

We will make monthly payments on the certificates. You, the investor, will receive

- interest accrued on the balance of your certificate (except in the case of the accrual class), and
- principal to the extent available for payment on your class.

We may pay principal at rates that vary from time to time. We may not pay principal to certain classes for long periods of time.

The Fannie Mae Guaranty

We will guarantee that required payments of principal and interest on the certificates are distributed to investors on time.

The Trust and its Assets

The trust will own Fannie Mae MBS.

The mortgage loans underlying the Fannie Mae MBS are first lien, single-family, fixed-rate loans.

Class	Original Class Balance	Principal Type	$Interest\\Rate$	Interest Type	$_{Number}^{CUSIP}$	Final Distribution Date
AM(1)	\$197,961,258	TAC/AD	4.0%	FIX	31393T3T1	February 2017
ZM(1)	6,600,000	SUP	4.0	FIX/Z	31393T7C4	February 2017
AY	45,438,742	SEQ	4.0	FIX	31393T7D2	December 2018
<i>R</i>	0	$\mathcal{N}PR$	0	$\mathcal{N}PR$	31393T7E0	December 2018

(1) Exchangeable classes.

If you own certificates of certain classes, you can exchange them for the corresponding RCR certificates to be issued at the time of the exchange. The AB Class is the RCR class, as further described in this prospectus supplement.

The dealer will offer the certificates from time to time in negotiated transactions at varying prices. We expect the settlement date to be November 28, 2003.

Carefully consider the risk factors starting on page S-6 of this prospectus supplement and on page 10 of the REMIC prospectus. Unless you understand and are able to tolerate these risks, you should not invest in the certificates.

You should read the REMIC prospectus as well as this prospectus supplement.

The certificates, together with interest thereon, are not guaranteed by the United States and do not constitute a debt or obligation of the United States or any agency or instrumentality thereof other than Fannie Mae.

The certificates are exempt from registration under the Securities Act of 1933 and are "exempted securities" under the Securities Exchange Act of 1934.

MORGAN STANLEY

The date of this Prospectus Supplement is November 4, 2003.

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AVAILABLE INFORMATION

You should purchase the certificates only if you have read and understood this prospectus supplement and the following documents (the "Disclosure Documents"):

- our Prospectus for Fannie Mae Guaranteed REMIC Pass-Through Certificates dated May 1, 2002 (the "REMIC Prospectus");
- our Prospectus for Fannie Mae Guaranteed Mortgage Pass-Through Certificates (Single-Family Residential Mortgage Loans) dated April 1, 2003 (the "MBS Prospectus"); and
- any Annual Reports on Form 10-K, Quarterly Reports on Form 10-Q and Current Reports on Form 8-K that we file with the SEC during the period specified in the final paragraph of this page.

You can obtain copies of the Disclosure Documents by writing or calling us at:

Fannie Mae MBS Helpline 3900 Wisconsin Avenue, N.W., Area 2H-3S Washington, D.C. 20016 (telephone 1-800-237-8627).

In addition, the Disclosure Documents, together with the class factors, are available on our corporate web site at www.fanniemae.com.

You also can obtain copies of the Disclosure Documents by writing or calling the dealer at:

Morgan Stanley & Co. Incorporated c/o ADP Financial Services Prospectus Department 1155 Long Island Avenue Edgewood, New York 11717 (telephone 631-254-7106)

In the first quarter of 2003, we began filing periodic reports with the SEC under the Securities Exchange Act of 1934. These filings will include Form 10-Ks, Form 10-Qs and Form 8-Ks. Our SEC filings are available at the SEC's web site at www.sec.gov. You may also read and copy any document we file with the SEC by visiting the SEC's Public Reference Room at 450 Fifth Street, NW, Washington, D.C. 20549. Please call the SEC at 1-800-SEC-0330 for further information about the operation of the Public Reference Room. We are providing the address of the SEC's web site solely for the information of prospective investors. We do not intend its Internet address to be an active link.

Information contained in any Form 10-K, Form 10-Q and Form 8-K that we file with the SEC prior to the termination of the offering of the certificates is hereby incorporated by reference in this prospectus supplement. In cases where we "furnish" information to the SEC on Form 8-K, as provided under the Securities Exchange Act of 1934, that information is not incorporated by reference in this prospectus supplement.

REFERENCE SHEET

This reference sheet is not a summary of the transaction and does not contain complete information about the certificates. You should purchase the certificates only after reading this prospectus supplement and each of the additional disclosure documents listed on page S-3.

Assumed Characteristics of the Mortgage Loans Underlying the MBS (as of November 1, 2003)

Approximate Principal Balance	Original Term to Maturity (in months)	Weighted Average Remaining Term to Maturity (in months)	Weighted Average Loan Age (in months)	Approximate Weighted Average Coupon
\$250,000,000	180	175	4	4.50%

The actual remaining terms to maturity, weighted average loan ages, interest rates of most of the mortgage loans will differ from the weighted averages shown above, perhaps significantly.

Class Factors

The class factors are numbers that, when multiplied by the initial principal balance of a certificate, can be used to calculate the current principal balance of that certificate (after taking into account principal payments in the same month). We publish the class factors on or shortly after the 11th day of each month.

Settlement Date

We expect to issue the certificates on November 28, 2003.

Distribution Dates

We will make payments on the certificates on the 25th day of each calendar month, or on the next business day if the 25th day is not a business day.

Book-Entry and Physical Certificates

We will issue the book-entry certificates through the U.S. Federal Reserve Banks, which will electronically track ownership of the certificates and payments on them. We will issue physical certificates in registered, certificated form.

We will issue the classes of certificates in the following forms:

Fed Book-Entry	Physical		
All Classes of certificates other than the R Class	R Class		

Exchanging Certificates Through Combination and Recombination

If you own certain certificates, you will be able to exchange them for a proportionate interest in the related RCR certificates as shown on Schedule 1. We will issue the RCR certificates upon such exchange. You can exchange your certificates by notifying us and paying an exchange fee. We use the principal and interest of the certificates exchanged to pay principal and interest on the related RCR certificates. Schedule 1 lists the available combination of the certificates eligible for exchange and the related RCR certificates.

Interest Rates

During each interest accrual period, the fixed rate classes will bear interest at the applicable annual interest rates listed on the cover of this prospectus supplement or on Schedule 1.

We will apply interest payments from exchanged REMIC certificates to the corresponding RCR certificates, on a pro rata basis, following any exchange.

Distributions of Principal

ZM Accrual Amount

- 1. To the AM Class to its Targeted Balance.
- 2. Thereafter to the ZM Class.

Cash Flow Distribution Amount

- 1. To the AM Class to its Targeted Balance.
- 2. To the ZM Class to zero.
- 3. To the AM Class to zero.
- 4. To the AY Class to zero.

We will apply principal payments from exchanged REMIC certificates to the corresponding RCR certificates, on a pro rata basis, following any exchange.

Weighted Average Lives (years)*

	PSA Prepayment Assumption								
Class	0%	100%	$\underline{156\%}$	160%	300%	500%			
AM	7.2	4.7	4.0	4.0	3.2	2.3			
ZM	12.9	10.4	9.2	9.1	0.6	0.3			
AY	14.1	12.6	11.8	11.7	9.6	7.0			
AB	7.5	5.0	4.3	4.2	3.1	2.3			

^{*} Determined as specified under "Description of the Certificates—Weighted Average Lives of the Certificates" in this prospectus supplement.

ADDITIONAL RISK FACTORS

The rate of principal payments on the certificates will be affected by the rate of principal payments on the underlying mortgage loans. The rate at which you receive principal payments on the certificates will be sensitive to the rate of principal payments on the mortgage loans underlying the related MBS, including prepayments. Because borrowers generally may prepay their mortgage loans at any time without penalty, the rate of principal payments on the mortgage loans is likely to vary over time. It is highly unlikely that the mortgage loans will prepay

- at any of the prepayment rates we assumed in this prospectus supplement, or
- at any constant prepayment rate until maturity.

Yields may be lower than expected due to unexpected rate of principal payments. The actual yield on your certificates probably will be lower than you expect:

- if you buy your certificates at a premium and principal payments are faster than you expect, or
- if you buy your certificates at a discount and principal payments are slower than you expect.

Furthermore, in the case of certificates purchased at a premium, you could lose money on your investment if prepayments occur at a rapid rate.

You must make your own decisions about the various applicable assumptions, including prepayment assumptions, when deciding whether to purchase the certificates.

Weighted average lives and yields on the certificates are affected by actual characteristics of the underlying mortgage loans. We have assumed that the mortgage loans underlying the MBS have certain characteristics. However, the actual mortgage loans probably will have different characteristics from those we assumed. As a result, your yields could be lower than you expect, even if the mortgage loans prepay at the indicated constant prepayment rates. In addition, slight differences between the assumed

mortgage loan characteristics and the actual mortgage loans could affect the weighted average lives of the classes of certificates.

Delay classes have lower yields and market values. Since the interest-bearing classes do not receive interest immediately following each interest accrual period, they have lower yields and lower market values than they would if there were no such delay.

Reinvestment of certificate payments may not achieve same yields as certificates. The rate of principal payments of the certificates is uncertain. You may be unable to reinvest the payments on the certificates at the same yields provided by the certificates.

Unpredictable timing of last payment affects yields on certificates. The actual final payment of your class is likely to occur earlier, and could occur much earlier, than the final distribution date listed on the cover page of this prospectus supplement. If you assume that the actual final payment will occur on the final distribution date specified, your yield could be lower than you expect.

Some investors may be unable to buy certain classes. Investors whose investment activities are subject to legal investment laws and regulations, or to review by regulatory authorities, may be unable to buy certain certificates. You should obtain legal advice to determine whether you may purchase the certificates.

Uncertain market for the certificates could make them difficult to sell and cause their values to fluctuate. We cannot be sure that a market for resale of the certificates will develop. Further, if a market develops, it may not continue or be sufficiently liquid to allow you to sell your certificates. Even if you are able to sell your certificates, the sale price may not be comparable to similar investments that have a developed market. Moreover, you may not be able to sell small or large amounts of certificates at prices comparable to those available to other investors. You should purchase certificates only if you understand and can tolerate the risk that the value of your certificates will vary over time and that your certificates may not be easily sold.

DESCRIPTION OF THE CERTIFICATES

The material under this heading summarizes certain features of the Certificates. You will find additional information about the Certificates in the other sections of this prospectus supplement, as well as in the additional Disclosure Documents and the Trust Agreement. If we use a capitalized term in this prospectus supplement without defining it, you will find the definition of that term in the applicable Disclosure Document or in the Trust Agreement.

General

Structure. We will create the Fannie Mae REMIC Trust specified on the cover of this prospectus supplement (the "Trust") pursuant to a trust agreement dated as of November 1, 2003 (the "Issue Date"). We will issue the Guaranteed REMIC Pass-Through Certificates (the "REMIC Certificates"), pursuant to that trust agreement. We will issue the Combinable and Recombinable REMIC Certificates (the "RCR Certificates" and, together with the REMIC Certificates, the "Certificates") pursuant to a separate trust agreement dated as of the Issue Date (together with the trust agreement relating to the REMIC Certificates, the "Trust Agreement"). We will execute the Trust Agreement in our corporate capacity and as trustee (the "Trustee"). In general, the term "Classes" includes the Classes of REMIC Certificates and RCR Certificates.

The Trust will constitute a "real estate mortgage investment conduit" ("REMIC") under the Internal Revenue Code of 1986, as amended (the "Code").

- The REMIC Certificates (except the R Class) will be "regular interests" in the Trust.
- The R Class will be the "residual interest" in the Trust.

The assets of the Trust will consist of certain Fannie Mae Guaranteed Mortgage Pass-Through Certificates (the "MBS").

Each MBS represents a beneficial ownership interest in a pool of first lien, one- to four-family ("single-family"), fixed-rate residential mortgage loans (the "Mortgage Loans") having the characteristics described in this prospectus supplement.

Fannie Mae Guaranty. We guarantee that we will distribute to Certificateholders:

- required installments of principal and interest on the Certificates on time, and
- the principal balance of each Class of Certificates no later than its Final Distribution Date, whether or not we have received sufficient payments on the MBS.

In addition, we guarantee that we will distribute to each holder of an MBS:

- scheduled installments of principal and interest on the underlying Mortgage Loans on time, whether or not the related borrowers pay us, and
- the full principal balance of any foreclosed Mortgage Loan, whether or not we recover it.

Our guarantees are not backed by the full faith and credit of the United States. See "Description of the Certificates—The Fannie Mae Guaranty" in the REMIC Prospectus and "Description of the Certificates—Fannie Mae Guaranty" in the MBS Prospectus.

Characteristics of Certificates. We will issue the Certificates (except the R Class) in book-entry form on the book-entry system of the U.S. Federal Reserve Banks (the "Fed Book-Entry Certificates"). Entities whose names appear on the book-entry records of a Federal Reserve Bank as having had Certificates deposited in their accounts are "Holders" or "Certificateholders." A Holder is not necessarily the beneficial owner of a Certificate. Beneficial owners ordinarily will hold Certificates through one or more financial intermediaries, such as banks, brokerage firms and securities clearing organizations. See "Description of Certificates—Denominations and Form" in the REMIC Prospectus.

We will issue the R Certificate in fully registered, certificated form. The "Holder" or "Certificate-holder" of the R Certificate is its registered owner. The R Certificate can be transferred at the corporate trust office of the Transfer Agent, or at the office of the Transfer Agent in New York, New York. U.S. Bank National Association ("US Bank") in Boston, Massachusetts will be the initial Transfer Agent. We may impose a service charge for any registration of transfer of the R Certificate and may require payment to cover any tax or other governmental charge. See also "—Characteristics of the R Class" below.

The Holder of the R Class will receive the proceeds of any remaining assets of the Trust only by presenting and surrendering the related Certificate at the office of the Paying Agent. US Bank will be the initial Paying Agent.

Authorized Denominations. We will issue the Certificates, other than the R Class, in minimum denominations of \$1,000 and whole dollar increments. We will issue the R Class as a single Certificate with no principal balance.

Distribution Dates. We will make monthly payments on the Certificates on the 25th day of each month (or, if the 25th is not a business day, on the first business day after the 25th). We refer to each of these dates as a "Distribution Date." We will make the first payments to Certificateholders the month after we issue the Certificates.

Record Date. On each Distribution Date, we will make each monthly payment on the Certificates to Holders of record on the last day of the preceding month.

Class Factors. On or shortly after the eleventh calendar day of each month, we will publish a factor (carried to eight decimal places) for each Class of Certificates. When the applicable class factor is multiplied by the original principal balance of a Certificate of any Class, the product will equal the current principal balance of that Certificate after taking into account payments on the Distribution Date in the same month (as well as any addition to principal in the case of the Accrual Class).

No Optional Termination. We have no option to effect an early termination of the Trust. Further, we will not repurchase the Mortgage Loans underlying any MBS in a "clean-up call." See "Description of the Certificates—Termination" in the MBS Prospectus.

Combination and Recombination

General. You are permitted to exchange all or a portion of the AM and ZM Classes of REMIC Certificates for a proportionate interest in the related RCR Certificates in the combination shown on Schedule 1. You also may exchange all or a portion of the RCR Certificates for the related REMIC Certificates in the same manner. This process may occur repeatedly.

Holders of RCR Certificates will be the beneficial owners of a proportionate interest in the related REMIC Certificates and will receive a proportionate share of the distributions on the related REMIC Certificates.

The Classes of REMIC Certificates and RCR Certificates that are outstanding at any given time, and the outstanding principal balances of these Classes, will depend upon any related distributions of principal, as well as any exchanges that occur. REMIC Certificates and RCR Certificates in any combination may be exchanged only in the proportions shown on Schedule 1.

Procedures. If a Certificateholder wishes to exchange Certificates, the Certificateholder must notify our Structured Transactions Department through one of our "REMIC Dealer Group" dealers in writing or by telefax no later than two business days before the proposed exchange date. The exchange date can be any business day other than the first or last business day of the month subject to our approval. The notice must include the outstanding principal balance of both the Certificates to be exchanged and the Certificates to be received, and the proposed exchange date. After receiving the Holder's notice, we will telephone the dealer with delivery and wire payment instructions. Notice becomes irrevocable on the second business day before the proposed exchange date.

In connection with each exchange, the Holder must pay us a fee equal to 1/32 of 1% of the outstanding principal balance of the Certificates to be exchanged. In no event, however, will our fee be less than \$2,000.

We will make the first distribution on a REMIC Certificate or an RCR Certificate received in an exchange transaction on the Distribution Date in the following month. We will make that distribution to the Holder of record as of the close of business on the last day of the month of the exchange.

Additional Considerations. The characteristics of RCR Certificates will reflect the characteristics of the REMIC Certificates used to form those RCR Certificates. You should also consider a number of factors that will limit a Certificateholder's ability to exchange REMIC Certificates for RCR Certificates or vice versa:

- At the time of the proposed exchange, a Certificateholder must own Certificates of the related Class or Classes in the proportions necessary to make the desired exchange.
- A Certificateholder that does not own the Certificates may be unable to obtain the necessary REMIC Certificates or RCR Certificates.
- The Certificateholder of needed Certificates may refuse to sell them at a reasonable price (or any price) or may be unable to sell them.
- Certain Certificates may have been purchased and placed into other financial structures and thus be unavailable.
- · Principal distributions will decrease the amounts available for exchange over time.
- Only the combination listed on Schedule 1 is permitted.

The MBS

The following table contains certain information about the MBS. The MBS will have the aggregate unpaid principal balance and Pass-Through Rate shown below and the general characteristics described in the MBS Prospectus. The MBS provides that principal and interest on the related Mortgage Loans are passed through monthly. The Mortgage Loans underlying the MBS are conventional, fixed-rate, fully-amortizing mortgage loans secured by first mortgages or deeds of trust on single-family residential properties. These Mortgage Loans have original maturities of up to 15 years. See "The Mortgage Pools" and "Yield, Maturity, and Prepayment Considerations" in the MBS Prospectus. We expect the characteristics of the MBS and the related Mortgage Loans as of the Issue Date to be as follows:

Aggregate Unpaid Principal Balance	\$250,000,000
MBS Pass-Through Rate	4.00%
Range of WACs (annual percentages)	
Range of WAMs	121 months to 180 months
Approximate Weighted Average WAM	175 months
Approximate Weighted Average WALA (weighted average	
loan age)	4 months

Final Data Statement

After issuing the Certificates, we will prepare a Final Data Statement containing certain information, including the Pool number, the current WAC (or original WAC, if the current WAC is not available) and the current WAM (or Adjusted WAM, if the current WAM is not available) of the Mortgage Loans underlying each of the MBS as of the Issue Date. The Final Data Statement also will include the weighted averages of all the current or original WACs and the weighted averages of all the current or Adjusted WAMs, based on the current unpaid principal balances of the Mortgage Loans underlying each of the MBS as of the Issue Date. You may obtain the Final Data Statement by

telephoning us at 1-800-237-8627. In addition, the Final Data Statement is available on our corporate web site at www.fanniemae.com.

Distributions of Interest

Categories of Classes

For the purpose of interest payments, the Classes will be categorized as follows:

Interest Type*	Classes
Fixed Rate	AM, ZM and AY
Accrual	ZM
RCR**	AB
No Payment Residual	R

^{*} See "Description of Certificates—Class Definitions and Abbreviations" in the REMIC Prospectus.

General. We will pay interest on the Certificates at the applicable annual interest rates specified on the cover or described in this prospectus supplement. We calculate interest based on an assumed 360-day year consisting of twelve 30-day months. We pay interest monthly (except in the case of the Accrual Class) on each Distribution Date, beginning in the month after the Settlement Date specified in the Reference Sheet.

Interest to be paid on each Certificate (or added to principal, in the case of the Accrual Class) on a Distribution Date will consist of one month's interest on the outstanding balance of that Certificate immediately prior to that Distribution Date. For a description of the Accrual Class, see "—Accrual Class" below.

We will apply interest payments from exchanged REMIC Certificates to the corresponding RCR Certificates, on a pro rata basis, following any exchange.

Interest Accrual Periods. Interest to be paid on each Distribution Date will accrue on the Certificates during the calendar month preceding the month in which the Distribution Date occurs (each, an "Interest Accrual Period"). See "Additional Risk Factors—Delay classes have lower yields and market values" in this prospectus supplement.

Accrual Class. The ZM Class is an Accrual Class. Interest will accrue on the Accrual Class at the applicable annual rate specified on the cover of this prospectus supplement. However, we will not pay any interest on the Accrual Class. Instead, interest accrued on the Accrual Class will be added as principal to its principal balance on each Distribution Date. We will pay principal on the Accrual Class as described under "—Distributions of Principal" below.

^{**} See "—Combination and Recombination" above and Schedule 1 for a further description of the RCR Class.

Distributions of Principal

Categories of Classes

For the purpose of principal payments, the Classes fall into the following categories:

Principal Type*	Classes
TAC	AM
Support	ZM
Sequential Pay	AY
Accretion Directed	AM
RCR**	AB
No Payment Residual	R

Principal Distribution Amount

On the Distribution Date in each month, we will pay principal on the Certificates in an aggregate amount (the "Principal Distribution Amount") equal to the principal then paid on the MBS (the "Cash Flow Distribution Amount") plus any interest then accrued and added to the principal balance of the ZM Class (the "ZM Accrual Amount").

ZM Accrual Amount

On each Distribution Date, we will pay the ZM Accrual Amount as principal of the AM Class, until its principal balance is reduced to its Targeted Balance for that Distribution Date. Thereafter, we will pay the ZM Accrual Amount as principal of the ZM Class.

Cash Flow Distribution Amount

On each Distribution Date, we will pay the Cash Flow Distribution Amount as principal of the Classes in the following priority:

- (i) to the AM Class, until its principal balance is reduced to its Targeted Balance for TAC Class that Distribution Date;
 - (ii) to the ZM Class, until its principal balance is reduced to zero;
- (iii) to the AM Class, without regard to its Targeted Balance and until its principal TAC Class balance is reduced to zero; and
 - (iv) to the AY Class, until its principal balance is reduced to zero.

We will apply principal payments from exchanged REMIC certificates to the corresponding RCR certificates, on a pro rata basis, following any exchange.

^{*} See "Description of Certificates—Class Definitions and Abbreviations" in the REMIC Prospectus.

** See "—Combination and Recombination" above and Schedule 1 for a further description of the RCR Class.

Structuring Assumptions

Pricing Assumptions. Except where otherwise noted, the information in the tables in this prospectus supplement has been prepared based on the following assumptions (the "Pricing Assumptions"):

- the Mortgage Loans underlying the MBS have the original term to maturity, remaining terms to maturity, WALAs and interest rates specified under "Reference Sheet—Assumed Characteristics of the Mortgage Loans Underlying the MBS" in this prospectus supplement;
- the Mortgage Loans prepay at the constant percentages of PSA specified in the related table;
- the settlement date for the sale of the Certificates is November 28, 2003; and
- each Distribution Date occurs on the 25th day of a month.

Prepayment Assumptions. Prepayments of mortgage loans commonly are measured relative to a prepayment standard or model. The model used in this prospectus supplement is The Bond Market Association's standard prepayment model ("PSA"). To assume a specified rate of PSA is to assume a specified rate of prepayment each month of the then-outstanding principal balance of a pool of new mortgage loans computed as described under "Description of Certificates—Prepayment Models" in the REMIC Prospectus.

It is highly unlikely that prepayments will occur at any *constant* PSA rate or at any other constant rate.

Structuring Rate. The Principal Balance Schedule for the AM Class is found on page B-1 of this prospectus supplement. The Principal Balance Schedule has been prepared on the basis of the Pricing Assumptions and the assumption that the Mortgage Loans will prepay at the constant PSA rate set forth below.

Principal Balance Schedule Reference	Related Class	Structuring Rate		
Targeted Balances	AM	160% PSA		

We cannot assure you that the balance of the AM Class will conform on any Distribution Date to the specified balance in the Principal Balance Schedule. As a result, we cannot assure you that payments of principal of the AM Class will begin or end on the Distribution Dates specified in the Principal Balance Schedule. We will distribute any excess of principal payments over the amount needed to reduce the AM Class to its scheduled balance on a Distribution Date. Accordingly, the ability to reduce the AM Class to its scheduled balance will not be improved by the averaging of high and low principal payments from month to month. Moreover, because of the diverse remaining terms to maturity of the Mortgage Loans, which may include recently originated Mortgage Loans, the AM Class may not be reduced to its scheduled balance, even if prepayments occur at the constant rate specified above.

Weighted Average Lives of the Certificates

The weighted average life of a Certificate is determined by

- (a) multiplying the amount of the reduction, if any, of the principal balance of the Certificate from one Distribution Date to the next Distribution Date by the number of years from the Settlement Date to the second such Distribution Date,
- (b) summing the results, and
- (c) dividing the sum by the aggregate amount of the reductions in principal balance of the Certificate referred to in clause (a).

For a description of the factors which may influence the weighted average life of a Certificate, see "Description of Certificates—Weighted Average Life and Final Distribution Date" in the REMIC Prospectus.

In general, the weighted average lives of the Certificates will be shortened if the level of prepayments of principal of the related Mortgage Loans increases. However, the weighted average lives will depend upon a variety of other factors, including

- the timing of changes in the rate of principal payments,
- the priority sequence of payments of principal of the Classes, and
- the payment of principal of the AM Class in accordance with its Principal Balance Schedule.

See "—Distributions of Principal" above.

The effect of these factors may differ as to various Classes and the effects on any Class may vary at different times during the life of that Class. Accordingly, we can give no assurance as to the weighted average life of any Class. Further, to the extent the prices of the Certificates represent discounts or premiums to their original principal balances, variability in the weighted average lives of those Classes of Certificates could result in variability in the related yields to maturity. For an example of how the weighted average lives of the Classes may be affected at various constant prepayment rates, see the Decrement Tables below.

Decrement Tables

The following tables indicate the percentages of original principal balances of the specified Classes that would be outstanding after each date shown at various constant PSA rates and the corresponding weighted average lives of those Classes. The tables have been prepared on the basis of the Pricing Assumptions. However, in the case of the information set forth for each Class under 0% PSA, we assumed that the underlying Mortgage Loans have the original and remaining term to maturity and bear interest at the annual rate specified in the table below.

Original Term to Maturity	Remaining Term to Maturity	Interest Rate
180 months	180 months	6.5%

It is unlikely

- that all of the underlying Mortgage Loans will have the interest rates, WALAs or remaining terms to maturity assumed or
- that the underlying Mortgage Loans will prepay at any constant PSA level.

In addition, the diverse remaining terms to maturity of the Mortgage Loans could produce slower or faster principal distributions than indicated in the tables at the specified constant PSA rates. This is the case even if the dispersion of weighted average remaining terms to maturity and the weighted average WALAs of the Mortgage Loans are identical to the dispersion specified in the Pricing Assumptions.

Percent of Original Principal Balances Outstanding

	AM Class						ZM Class					
			PSA Pr Assu	epayment mption						epayment mption		
Date	0%	100%	156%	160%	300%	500%	0%	100%	156%	160%	300%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100
November 2004	95	91	90	90	89	84	104	104	104	104	0	0
November 2005	89	80	75	75	69	56	108	108	108	108	0	0
November 2006	83	67	60	60	48	29	113	113	113	113	0	0
November 2007	77	55	47	46	31	11	117	117	117	117	0	0
November 2008	70	44	35	34	18	0	122	122	122	122	0	0
November 2009	63	34	24	23	8	0	127	127	127	127	0	0
November 2010	55	25	14	14	0	0	132	132	132	132	0	0
November 2011	47	16	6	5	0	0	138	138	138	138	0	0
November 2012	38	8	0	0	0	0	143	143	102	85	0	0
November 2013	28	0	0	0	0	0	149	147	0	0	0	0
November 2014	18	0	0	0	0	0	155	0	0	0	0	0
November 2015	8	0	0	0	0	0	161	0	0	0	0	0
November 2016	0	0	0	0	0	0	52	0	0	0	0	0
November 2017	0	0	0	0	0	0	0	0	0	0	0	0
November 2018	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average												
Life (years)**	7.2	4.7	4.0	4.0	3.2	2.3	12.9	10.4	9.2	9.1	0.6	0.3

	AY Class					AB Class						
	PSA Prepayment Assumption					PSA Prepayment Assumption						
Date	0%	100%	156%	160%	300%	500%	0%	100%	156%	160%	300%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100
November 2004	100	100	100	100	100	100	95	91	90	90	87	82
November 2005	100	100	100	100	100	100	90	80	77	76	67	54
November 2006	100	100	100	100	100	100	84	68	62	61	46	28
November 2007	100	100	100	100	100	100	78	57	49	48	30	10
November 2008	100	100	100	100	100	95	72	47	37	37	18	0
November 2009	100	100	100	100	100	61	65	37	27	27	8	0
November 2010	100	100	100	100	99	39	57	28	18	18	0	0
November 2011	100	100	100	100	72	24	49	20	10	10	0	0
November 2012	100	100	100	100	51	14	41	12	3	3	0	0
November 2013	100	100	87	85	35	9	32	5	0	0	0	0
November 2014	100	91	63	62	23	5	23	0	0	0	0	0
November 2015	100	63	42	41	14	2	13	0	0	0	0	0
November 2016	100	37	24	23	7	1	2	0	0	0	0	0
November 2017	56	13	8	8	2	*	0	0	0	0	0	0
November 2018	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average												
Life (years)**	14.1	12.6	11.8	11.7	9.6	7.0	7.5	5.0	4.3	4.2	3.1	2.3

^{*} Indicates an outstanding balance greater than 0% and less than 0.5% of the original principal balance.

** Determined as specified under "—Weighted Average Lives of the Certificates" above.

Characteristics of the R Class

The R Class will not have a principal balance and will not bear interest. If any assets of the Trust remain after the principal balances of all Classes are reduced to zero, we will pay the Holder of the R Class the proceeds from those assets. Fannie Mae does not expect that any material assets will remain in that case.

A Residual Certificate will be subject to certain transfer restrictions. We will not permit transfer of record or beneficial ownership of a Residual Certificate to a "disqualified organization." In addition, we will not permit transfer of record or beneficial ownership of a Residual Certificate to any person that is not a "U.S. Person" or a foreign person subject to United States income taxation on a net basis on income derived from that Certificate. Any transferee of a Residual Certificate must execute and deliver an affidavit and an Internal Revenue Service Form W-9 (or, if applicable, a Form W-8ECI) on which the transferee provides its taxpayer identification number. See "Description of Certificates— Special Characteristics of Residual Certificates" and "Certain Federal Income Tax Consequences— Taxation of Beneficial Owners of Residual Certificates" in the REMIC Prospectus. The affidavit must also state that the transferee is a "U.S. Person" or a foreign person subject to United States income taxation on a net basis on income derived from that Certificate and that, if the transferee is a partnership for U.S. federal income tax purposes, each person or entity that holds an interest (directly, or indirectly through a pass-through entity) in the partnership is a "U.S. Person" or a foreign person subject to United States income taxation on a net basis on income derived from that Certificate. In addition, the transferee must receive an affidavit containing these same representations from any new transferee. Transferors of a Residual Certificate should consult with their own tax advisors for further information regarding such transfers.

Treasury Department regulations (the "Regulations") provide that a transfer of a "noneconomic residual interest" will be disregarded for all federal tax purposes unless no significant purpose of the transfer is to impede the assessment or collection of tax. The R Class will constitute a noneconomic residual interest under the Regulations. Having a significant purpose to impede the assessment or collection of tax means that the transferor of a Residual Certificate knew or should have known that the transferee would be unwilling or unable to pay taxes due on its share of the taxable income of the REMIC trust (that is, the transferor had "improper knowledge").

As discussed under the caption "Special Characteristics of Residual Certificates" in the REMIC Prospectus, the Regulations presume that a transferor does not have improper knowledge if two conditions are met. The Treasury Department has amended the Regulations to provide additional requirements that a transferor must satisfy to avail itself of the safe harbor regarding the presumed lack of improper knowledge. For transfers occurring on or after August 19, 2002, a transferor of a Residual Certificate is presumed not to have improper knowledge if, in addition to meeting the two conditions discussed in the REMIC Prospectus, both (i) the transferee represents that it will not cause income from the Residual Certificate to be attributed to a foreign permanent establishment or fixed base of the transferee or another taxpayer and (ii) the transfer satisfies either the "asset test" or the "formula test." The representation described in (i) will be included in the affidavit discussed above. See "Description of Certificates—Special Characteristics of Residual Certificates" and "Certain Federal Income Tax Consequences—Taxation of Beneficial Owners of Residual Certificates" in the REMIC Prospectus.

A transfer satisfies the asset test if (i) the transferee's gross assets exceed \$100 million and its net assets exceed \$10 million (in each case, at the time of the transfer and at the close of each of the transferee's two fiscal years preceding the year of transfer), (ii) the transferee is an "eligible corporation" and the transferee agrees in writing that any subsequent transfer of the Residual Certificate will be to an eligible corporation and will comply with the safe harbor and satisfy the asset test, and (iii) the facts and circumstances known to the transferor do not reasonably indicate that the taxes associated with the Residual Certificate will not be paid. A transfer satisfies the formula test if the present value of the anticipated tax liabilities associated with holding the Residual Certificate is less than or equal to the present value of the sum of (i) any consideration given to the transferee to

acquire the Residual Certificate, (ii) expected future distributions on the Residual Certificate, and (iii) anticipated tax savings associated with holding the Residual Certificate as the related REMIC trust generates losses. The Regulations contain additional details regarding their application and you should consult your own tax advisor regarding the application of the Regulations to a transfer of a Residual Certificate.

The Holder of the R Class will be considered to be the holder of the "residual interest" in the REMIC constituted by the Trust. See "Certain Federal Income Tax Consequences" in the REMIC Prospectus. Pursuant to the Trust Agreement, we will be obligated to provide to this Holder (i) information necessary to enable it to prepare its federal income tax returns and (ii) any reports regarding the R Class that may be required under the Code.

CERTAIN ADDITIONAL FEDERAL INCOME TAX CONSEQUENCES

The Certificates and payments on the Certificates are not generally exempt from taxation. Therefore, you should consider the tax consequences of holding a Certificate before you acquire one. The following tax discussion supplements the discussion under the caption "Certain Federal Income Tax Consequences" in the REMIC Prospectus. When read together, the two discussions describe the current federal income tax treatment of beneficial owners of Certificates. These two tax discussions do not purport to deal with all federal tax consequences applicable to all categories of beneficial owners, some of which may be subject to special rules. In addition, these discussions may not apply to your particular circumstances for one of the reasons explained in the REMIC Prospectus. You should consult your own tax advisors regarding the federal income tax consequences of holding and disposing of Certificates as well as any tax consequences arising under the laws of any state, local or foreign taxing jurisdiction.

REMIC Election and Special Tax Attributes

We will elect to treat the Trust as a REMIC for federal income tax purposes. The REMIC Certificates, other than the R Class, will be designated as the "regular interests," and the R Class will be designated as the "residual interest," in the REMIC constituted by the Trust.

Because the Trust will qualify as a REMIC, the REMIC Certificates and any related RCR Certificates generally will be treated as "regular or residual interests in a REMIC" for domestic building and loan associations, as "real estate assets" for real estate investment trusts, and, except for the R Class, as "qualified mortgages" for other REMICs. See "Certain Federal Income Tax Consequences—REMIC Election and Special Tax Attributes" in the REMIC Prospectus.

Taxation of Beneficial Owners of Regular Certificates

The Accrual Class and the AY Class will be issued with original issue discount ("OID"), and certain other Classes of REMIC Certificates may be issued with OID. If a Class is issued with OID, a beneficial owner of a Certificate of that Class generally must recognize some taxable income in advance of the receipt of the cash attributable to that income. See "Certain Federal Income Tax Consequences—Taxation of Beneficial Owners of Regular Certificates—Treatment of Original Issue Discount" in the REMIC Prospectus. In addition, certain Classes of REMIC Certificates may be treated as having been issued at a premium. See "Certain Federal Income Tax Consequences—Taxation of Beneficial Owners of Regular Certificates—Regular Certificates Purchased at a Premium" in the REMIC Prospectus.

The Prepayment Assumption that will be used in determining the rate of accrual of OID will be 156% PSA. See "Certain Federal Income Tax Consequences—Taxation of Beneficial Owners of Regular Certificates—Treatment of Original Issue Discount—Daily Portions of Original Issue Discount" in the REMIC Prospectus. No representation is made as to whether the Mortgage Loans underlying the MBS will prepay at that rate or any other rate. See "Description of the Certificates—Weighted Average Lives of the Certificates" in this prospectus supplement and "Description of Certificates—Weighted Average Life and Final Distribution Date" in the REMIC Prospectus.

Taxation of Beneficial Owners of Residual Certificates

For purposes of determining the portion of the taxable income of the Trust that generally will not be treated as excess inclusions, the rate to be used is 5.88% (which is 120% of the "federal long-term rate"). See "Certain Federal Income Tax Consequences—Taxation of Beneficial Owners of Residual Certificates—Treatment of Excess Inclusions" and "—Foreign Investors—Residual Certificates" in the REMIC Prospectus.

The Treasury Department recently issued proposed regulations providing that, to clearly reflect income, an inducement fee paid to a transferee of a noneconomic residual interest in a REMIC must be included in income over a period that is reasonably related to the period during which the applicable REMIC is expected to generate taxable income or net loss allocable to the transferee. The proposed regulations set forth two safe harbor methods under which a taxpayer's accounting for the inducement fee will be considered to clearly reflect income for these purposes. The proposed regulations also provide that an inducement fee shall be treated as income from sources within the United States. If finalized as proposed, the regulations would be effective for taxable years ending on or after the publication of the final regulations in the Federal Register. The proposed regulations contain additional details regarding their application and you should consult your own tax advisor regarding the application of the proposed regulations.

Taxation of Beneficial Owners of RCR Certificates

General. The RCR Class will be created, sold and administered pursuant to an arrangement that will be classified as a grantor trust under subpart E, part I of subchapter J of the Code. The REMIC Certificates that are exchanged for RCR Certificates (including any exchanges effective on the Settlement Date) will be the assets of the trust, and the RCR Certificates will represent an ownership interest in those REMIC Certificates. For a general discussion of the federal income tax treatment of beneficial owners of REMIC Certificates, see "Certain Federal Income Tax Consequences" in the REMIC Prospectus.

The RCR Class (the "Combination RCR Class") will represent the beneficial ownership of the underlying REMIC Certificates set forth in Schedule 1. Each Certificate of the Combination RCR Class (a "Combination RCR Certificate") will represent beneficial ownership of undivided interests in two or more underlying REMIC Certificates.

Combination RCR Class. A beneficial owner of a Combination RCR Certificate will be treated as the beneficial owner of a proportionate interest in the REMIC Certificates underlying that Combination RCR Certificate. Except in the case of a beneficial owner that acquires a Combination RCR Certificate in an exchange described under "—Exchanges" below, a beneficial owner of a Combination RCR Certificate must allocate its cost to acquire that Certificate among the underlying REMIC Certificates in proportion to their relative fair market values at the time of acquisition. Such an owner should account for its ownership interest in each underlying REMIC Certificate as described under "—Taxation of Beneficial Owners of Regular Certificates" above and "Certain Federal Income Tax Consequences—Taxation of Beneficial Owners of Regular Certificates" in the REMIC Prospectus. When a beneficial owner sells a Combination RCR Certificate, the owner must allocate the sale proceeds among the underlying REMIC Certificates in proportion to their relative fair market values at the time of sale.

Exchanges. If a beneficial owner exchanges one or more REMIC Certificates for the related RCR Certificate or Certificates in the manner described under "Description of the Certificates—Combination and Recombination" in this prospectus supplement, the exchange will not be taxable. Likewise, if a beneficial owner exchanges one or more RCR Certificates for the related REMIC Certificate or Certificates in the manner described in that discussion, the exchange will not be a taxable exchange. In each of these cases, the beneficial owner will be treated as continuing to own after the exchange the same combination of interests in the related REMIC Certificates (or the same interest in the related REMIC Certificate) that it owned immediately prior to the exchange.

Tax Return Disclosure Requirements

The Treasury Department recently issued Regulations directed at "tax shelters" that could be read to apply to transactions generally not considered to be tax shelters. These Regulations require that taxpayers that participate in a "reportable transaction" disclose such transaction on their tax returns by attaching IRS Form 8886, and retain information related to the transaction. A transaction may be a "reportable transaction" based upon any of several indicia, one or more of which may be present with respect to the Certificates. You should consult your tax advisor concerning any possible disclosure obligation with respect to your investment in the Certificates.

PLAN OF DISTRIBUTION

General. We are obligated to deliver the Certificates to Morgan Stanley & Co. Incorporated (the "Dealer") in exchange for the MBS. The Dealer proposes to offer the Certificates directly to the public from time to time in negotiated transactions at varying prices to be determined at the time of sale. The Dealer may effect these transactions to or through other dealers.

Increase in Certificates. Before the Settlement Date, we and the Dealer may agree to offer Classes in addition to those contemplated as of the date of this prospectus supplement. In this event, we will increase the related MBS in principal balance, but we expect that all these additional MBS will have the same characteristics as described under "Description of the Certificates—The MBS" in this prospectus supplement. The proportion that the original principal balance of each Class bears to the aggregate original principal balance of all Classes, respectively, will remain the same. In addition, the dollar amounts shown in the Principal Balance Schedule will be increased to correspond to the increase of the principal balance of the AM Class.

LEGAL MATTERS

Sidley Austin Brown & Wood LLP will provide legal representation for Fannie Mae. Cleary, Gottlieb, Steen & Hamilton will provide legal representation for the Dealer.

Available Recombination (1)

	Ī	_
RCR Certificates	Final Distribution Date	February 2017
	CUSIP Number	$31393\mathrm{T}7\mathrm{F}7$
	$rac{ ext{Principal}}{ ext{Type}(2)}$	SEQ
	$\frac{\text{Interest}}{\text{Type}(2)}$	FIX
	Interest Rate	4.0%
	Original Principal Balance	\$204,561,258
	RCR Class	
REMIC Certificates	Original Principal Balances	\$197,961,258 6.600,000(3)
	Classes	AM

(1) In any exchange, the relative proportions of the REMIC Certificates to be delivered (or, if applicable, received) in such exchange will equal the proportions reflected by the outstanding principal balances of the related REMIC Classes at the time of exchange.

(2) See "Description of Certificates—Class Definitions and Abbreviations" in the REMIC Prospectus and "Description of the Certificates—Distributions of Interest" and "—Distributions of Principal" in this prospectus supplement.

(3) Principal payments on the REMIC Certificates from the ZM Accrual Amount will be paid as interest on the related RCR Certificates and thus will not reduce the principal balances of those RCR Certificates.

Principal Balance Schedule

AM Class Targeted Balances

Distribution Date	Targeted Balance	Distribution Date	Targeted Balance	Distribution Date	Targeted Balance
Initial Balance	\$197,961,258.00	November 2006	\$118,229,009.98	November 2009	\$ 45,865,478.58
December 2003	196,591,506.30	December 2006	115,838,852.75	December 2009	44,214,494.44
January 2004	195,153,941.01	January 2007	113,472,764.60	January 2010	42,580,680.18
February 2004	193,649,491.61	February 2007	111,130,522.75	February 2010	40,963,873.84
March 2004	192,079,145.46	March 2007	108,811,906.38	March 2010	39,363,914.85
April 2004	190,443,946.76	April 2007	106,516,696.64	April 2010	37,780,644.09
May 2004	188,744,995.47	May 2007	104,244,676.56	May 2010	36,213,903.84
June 2004	186,983,446.11	June 2007	101,995,631.11	June 2010	34,663,537.77
July 2004	185,160,506.49	July 2007	99,769,347.14	July 2010	33,129,390.94
August 2004	183,277,436.40	August 2007	97,565,613.37	August 2010	31,611,309.78
September 2004	181,335,546.10	September 2007	95,384,220.37	September 2010	30,109,142.08
October 2004	179,336,194.91	October 2007	93,224,960.58	October 2010	28,622,736.97
November 2004	177,280,789.57	November 2007	91,087,628.23	November 2010	
December 2004	175,170,782.62	December 2007	88,972,019.39		27,151,944.95
January 2005	173,007,670.68	January 2008	86,877,931.91	December 2010	25,696,617.79
February 2005	170,792,992.67	February 2008	84,805,165.42	January 2011	24,256,608.61
March 2005	168,528,327.96	March 2008	82,753,521.32	February 2011	22,831,771.84
April 2005	166,215,294.46	April 2008	80,722,802.74	March 2011	21,421,963.16
May 2005	163,855,546.67	May 2008	78,712,814.58	April 2011	20,027,039.58
June 2005	161,450,773.67	June 2008	76,723,363.41	May 2011	18,646,859.34
July 2005	159,002,697.02	July 2008	74,754,257.55	June 2011	17,281,281.95
August 2005	156,513,068.69	August 2008	72,805,306.99	July 2011	15,930,168.17
September 2005	153,983,668.88	September 2008	70,876,323.38	August 2011	14,593,380.00
October 2005	151,416,303.83	October 2008	68,967,120.04	September 2011	13,270,780.65
November 2005	148,812,803.59	November 2008	67,077,511.96	October 2011	11,962,234.56
December 2005	146,175,019.78	December 2008	65,207,315.73	November 2011	10,667,607.36
January 2006	143,504,823.25	January 2009	63,356,349.56	December 2011	9,386,765.88
February 2006	140,861,280.33	February 2009	61,524,433.29	January 2012	8,119,578.15
March 2006	138,244,145.59	March 2009	59,711,388.31	February 2012	6,865,913.33
April 2006	135,653,175.72	April 2009	57,917,037.62	March 2012	5,625,641.80
May 2006	133,088,129.56	May 2009	56,141,205.78	April 2012	4,398,635.03
June 2006	130,548,768.08	June 2009	54,383,718.87	May 2012	3,184,765.70
July 2006	128,034,854.33	July 2009	52,644,404.53	June 2012	1,983,907.56
August 2006	125,546,153.43	August 2009	50,923,091.92	July 2012	795,935.52
September 2006	123,082,432.58	September 2009	49,219,611.70	August 2012 and	100,000.02
October 2006	120,643,461.01	October 2009	47,533,796.04	thereafter	0.00

No one is authorized to give information or to make representations in connection with the Certificates other than the information and representations contained in this Prospectus Supplement and the additional Disclosure Documents. You must not rely on any unauthorized information or representation. This Prospectus Supplement and the additional Disclosure Documents do not constitute an offer or solicitation with regard to the Certificates if it is illegal to make such an offer or solicitation to you under state law. By delivering this Prospectus Supplement and the additional Disclosure Documents at any time, no one implies that the information contained herein or therein is correct after the date hereof or thereof.

The Securities and Exchange Commission has not approved or disapproved the Certificates or determined if this Prospectus Supplement is truthful and complete. Any representation to the contrary is a criminal offense.

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\$250,000,000



Guaranteed REMIC
Pass-Through Certificates
Fannie Mae REMIC Trust 2003-125

PROSPECTUS SUPPLEMENT

MORGAN STANLEY

November 4, 2003