
**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549**

FORM 8-K

**CURRENT REPORT PURSUANT
TO SECTION 13 OR 15(d) OF
THE SECURITIES EXCHANGE ACT OF 1934**

Date of Report (Date of earliest event reported) **October 6, 2010**

ARMOUR Residential REIT, Inc.

(Exact Name of Registrant as Specified in Its Charter)

Maryland

001-33736

26-1908763

(State or Other Jurisdiction
of Incorporation)

(Commission File Number)

(I.R.S. Employer Identification No.)

**3001 Ocean Drive, Suite 201
Vero Beach, Florida**

32963

(Address of Principal Executive Offices)

(Zip Code)

(772) 617-4340

(Registrant's Telephone Number, Including Area Code)

**956 Beachland Blvd., Suite 11
Vero Beach, Florida 32963**

(Former Name or Former Address, if Changed Since Last Report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
 - Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17CFR 240.14a-12)
 - Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
 - Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))
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Item 8.01. Other Events.

On October 6, 2010, ARMOUR Residential REIT, Inc. ("ARMOUR") announced that ARMOUR's manager, ARMOUR Residential Management LLC ("ARRM"), has hired Mark R. Gruber, CFA as Head of Portfolio Management and Jonna K. Terry as Senior Staff Accountant.

From April 2008 until joining ARRM, Mr. Gruber managed a \$1.1 billion mortgage portfolio for Penn Mutual Life Insurance. From June 2005 to March 2008 Mr. Gruber was Vice-President of Research and Trading at Bimini Capital Management, Inc., a publicly traded real estate investment trust that managed \$4 billion in agency mortgage assets. Mr. Gruber previously worked for Lockheed Martin at the Knolls Atomic Power Laboratory where he was an engineer for the Naval Nuclear Propulsion Program. Mr. Gruber holds an MBA with University Honors from the Tepper School of Business at Carnegie Mellon, an M.S. in Mechanical and Aerospace Engineering from the University of Virginia, and a B.S. in Mechanical Engineering with High Honors from Lehigh University.

Since June 2006, Ms. Terry has been a staff accountant for public accounting and tax reporting enterprises, including two and a half years of experience of public accounting for mortgage-backed securities. Ms. Terry holds a bachelors degree from Fort Hays State University and is currently pursuing her Certified Public Accountant license.

Mr. Gruber will report to ARMOUR's Co-Chief Executive Officers Scott J. Ulm and Jeffrey J. Zimmer and Ms. Terry will report to ARRM's Chief Accounting Officer Amber K. Luedke.

A copy of ARMOUR's press release announcing the additions to ARRM's staff is attached hereto as Exhibit 99.1 and incorporated herein by this reference.

Item 9.01. Financial Statements and Exhibits.

(c) Exhibits

Exhibit No.	Description
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99.1	Press Release, dated October 6, 2010
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SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

Dated: October 6, 2010

ARMOUR RESIDENTIAL REIT, INC.

By: /s/ Jeffrey J. Zimmer

Name: Jeffrey J. Zimmer

Title: Co-Chief Executive Officer, President and Co-Vice
Chairman

Exhibit Index

Exhibit No. Description

99.1 Press Release, dated October 6, 2010



ARMOUR RESIDENTIAL REIT, INC. ANNOUNCES STAFF ADDITIONS

VERO BEACH, FL - - October 6, 2010 - - ARMOUR Residential REIT, Inc. (NYSE Amex: "ARR" and "ARR.WS") ("ARMOUR" or the "Company") today announced that the Company's manager, ARMOUR Residential Management LLC ("ARRM"), has hired Mark R. Gruber, CFA as Head of Portfolio Management for ARMOUR Residential REIT, Inc. and Jonna K. Terry as Senior Staff Accountant for ARMOUR Residential REIT, Inc.

From April 2008 until joining ARRM, Mr. Gruber managed a \$1.1 billion mortgage portfolio for Penn Mutual Life Insurance. From June 2005 to March 2008 Mr. Gruber was Vice-President of Research and Trading at Bimini Capital Management, Inc., a publicly traded real estate investment trust that managed \$4 billion in agency mortgage assets. Mr. Gruber previously worked for Lockheed Martin at the Knolls Atomic Power Laboratory where he was an engineer for the Naval Nuclear Propulsion Program. Mr. Gruber holds an MBA with University Honors from the Tepper School of Business at Carnegie Mellon, an M.S. in Mechanical and Aerospace Engineering from the University of Virginia, and a B.S. in Mechanical Engineering with High Honors from Lehigh University.

Since June 2006, Ms. Terry has been a staff accountant for public accounting and tax reporting enterprises, including two and a half years of experience of public accounting for mortgage-backed securities. Ms. Terry holds a bachelors degree from Fort Hays State University and is currently pursuing her Certified Public Accountant license.

Mr. Gruber reports to ARMOUR's Co-Chief Executive Officers Scott J. Ulm and Jeffrey J. Zimmer and Ms. Terry reports to ARRM's Chief Accounting Officer Amber K. Luedke.

This press release shall not constitute an offer to sell, or a solicitation of an offer to buy, nor shall there be any sale of the Company's securities in any state or jurisdiction in which such an offer, solicitation or sale would be unlawful prior to registration or qualification under the securities laws of such state or jurisdiction.

ARMOUR Residential REIT, Inc.

ARMOUR is a Maryland corporation that invests primarily in hybrid adjustable rate, adjustable rate and fixed rate residential mortgage-backed securities, or RMBS, issued or guaranteed by U.S. Government-chartered entities. ARMOUR is externally managed and advised by ARMOUR RESIDENTIAL MANAGEMENT LLC ("ARRM"). ARMOUR Residential REIT, Inc. intends to qualify to be taxed as a real estate investment trust ("REIT") for U.S. federal income tax purposes, commencing with ARMOUR's taxable year ending December 31, 2009.

Safe Harbor

This press release includes "forward-looking statements" within the meaning of the safe harbor provisions of the United States Private Securities Litigation Reform Act of 1995. Actual results may differ from expectations, estimates and projections and, consequently, you should not rely on these forward looking statements as predictions of future events. Words such as "expect," "estimate," "project," "budget," "forecast," "anticipate," "intend," "plan," "may," "will," "could," "should," "believes," "predicts," "potential," "continue," and similar expressions are intended to identify such forward-looking statements. These forward-looking statements involve significant risks and uncertainties that could cause the actual results to differ materially from the expected results.

Additional information concerning these and other risk factors is contained in the Company's most recent filings with the Securities and Exchange Commission ("SEC"). All subsequent written and oral forward-looking statements concerning the Company are expressly qualified in their entirety by the cautionary statements above. The Company cautions readers not to place undue reliance upon any forward-looking statements, which speak only as of the date made. The Company does not undertake or accept any obligation or undertaking to release publicly any updates or revisions to any forward-looking statements to reflect any change in their expectations or any change in events, conditions or circumstances on which any such statement is based.



Additional Information and Where to Find It

Investors, security holders and other interested persons may find additional information regarding the Company at the SEC's Internet site at <http://www.sec.gov/>, or the Company website www.armourreit.com or by directing requests to:

ARMOUR Residential REIT, Inc.
3001 Ocean Drive, Suite 201
Vero Beach, Florida 32963
Attention: Investor Relations

The issuer has filed a registration statement (including a prospectus) with the SEC for the offering to which this communication relates. Before you invest, you should read the prospectus in that registration statement and other documents the issuer has filed with the SEC for more complete information about the issuer and this offering. You may get these documents for free by visiting EDGAR on the SEC Web site at www.sec.gov. Alternatively, the issuer, any underwriter or any dealer participating in the offering will arrange to send you the prospectus if you request it by calling Jeffrey Zimmer at the telephone number below.

Investor Contact:

Jeffrey Zimmer
Co-Chief Executive Officer, President and Vice Chairman
ARMOUR Residential REIT, Inc.
(772) 617-4340