

(772) 617-4340

(Registrant's Telephone Number, Including Area Code)

n/a

(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))

Item 7.01.

Regulation FD Disclosure.

Commencing on March 10, 2011, ARMOUR Residential REIT, Inc. (ARMOUR) will make a slide deck presentation available on its website which contains a update on ARMOUR 's financial position, business and operations. Attached as Exhibit 99.1 to this report is the form of slide deck presentation to be posted by ARMOUR.

The slide deck presentation attached to this report as Exhibit 99.2 is furnished pursuant to this Item 7.01 and shall not be deemed filed in this or any other filing of ARMOUR under the Securities Exchange Act of 1934, as amended, unless expressly incorporated by specific reference in any such filing.

Item 8.01.

Other Information.

ARMOUR today announced financial results for the year and the quarter ending December 31, 2010, and announced that its Board of Directors has declared a \$0.12 monthly dividend payable to shareholders of record for each of the three months in the second fiscal quarter of 2011.

A copy of the ARMOUR 's press release announcing the foregoing is attached hereto as Exhibit 99.2 and incorporated herein by this reference.

Item 9.01.

Financial Statements and Exhibits.

(c) Exhibits

Description

Exhibit

No.

99.1 Slide Deck Presentation, dated March 10, 2011

99.2 Press Release, dated March 10, 2011

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: March 10, 2011

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

| <u>Exhibit</u> | |
|-----------------------|---|
| <u>No.</u> | <u>Description</u> |
| 99.1 | Slide Deck Presentation, dated March 10, 2011 |
| 99.2 | Press Release, dated March 10, 2011 |