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: May 23, 2007

NCI BUILDING SYSTEMS, INC.

(Exact name of registrant as specified in its charter)

Delaware (State or other jurisdiction

of incorporation)

1-14315 (Commission File Number) 76-0127701 (I.R.S. Employer

Identification Number)

10943 North Sam Houston Parkway West

Houston, Texas77064(Address of principal executive offices)(Zip Code)Registrant s telephone number, including area code: (281) 897-7788

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the obligation of the registrant under any of the following provisions:

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- " Written communication pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- " Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 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.

Attached as Exhibit 99.1 and incorporated by reference herein is the press release issued by NCI Building Systems, Inc. on May 23, 2007 announcing revised earnings guidance for the second quarter of fiscal 2007.

The information in this Form 8-K and the Exhibit attached to this Form 8-K shall not be deemed filed for purposes of Section 18 of the Securities Exchange Act of 1934 (the Exchange Act) or otherwise subject to the liabilities of that Section, nor shall it be deemed incorporated by reference in any registration statement or other filing under the Securities Act of 1933, as amended or the Exchange Act, except if NCI expressly states that such information is to be considered filed under the Exchange Act or incorporates it by specific reference in such filing.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits

Number Description

99.1 Press Release of NCI Building Systems, Inc. dated May 23, 2007.

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 thereunto duly authorized.

NCI BUILDING SYSTEMS, INC.

By: /s/ Todd R. Moore Name: Todd R. Moore Title: Vice President, General Counsel

and Secretary

Dated: May 23, 2007

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