

Item 2.02 Results of Operations and Financial Condition

(a) On April 27, 2010, Chicago Bridge & Iron Company N.V. issued a press release announcing financial results for the quarter ended March 31, 2010. A copy of the press release is attached as Exhibit 99.1 to this Current Report on Form 8-K.

Item 9.01 Financial Statements and Exhibits

(d) Exhibits

99.1 – Press Release dated April 27, 2010

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.

CHICAGO BRIDGE & IRON COMPANY
N.V.

By: Chicago Bridge & Iron Company B.V.

Its: Managing Director

Date: April 27, 2010 By: /s/ Ronald A. Ballschmiede

Ronald A. Ballschmiede

Managing Director

(Principal Financial Officer)

EXHIBIT INDEX

| Exhibit Number | Exhibit Description |
|----------------|---------------------|
|----------------|---------------------|

| | |
|------|------------------------------------|
| 99.1 | Press release dated April 27, 2010 |
|------|------------------------------------|