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# ICC-ES Report

# ESR-2618

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DIVISION: 09 00 00—FINISHES

SECTION: 09 29 10—GYPSUM BOARD ACCESSORIES

REPORT HOLDER:

## GRABBER NAILS FOR GYPSUM WALLBOARD INSTALLATION

5255 WEST 11000 NORTH, SUITE 100  
HIGHLAND, UTAH 84003

EVALUATION SUBJECT:

## GRABBER NAILS FOR GYPSUM WALLBOARD INSTALLATION



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# ICC-ES Evaluation Report

**ESR-2618**

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**DIVISION: 09 00 00—FINISHES**

**Section: 09 29 10—Gypsum Board Accessories**

**REPORT HOLDER:**

**GRABBER CONSTRUCTION PRODUCTS, INC.**  
5255 WEST 11000 NORTH, SUITE 100  
HIGHLAND, UTAH 84003  
(801) 492-3880  
[info@grabberman.com](mailto:info@grabberman.com)  
[www.grabberman.com](http://www.grabberman.com)

**EVALUATION SUBJECT:**

**GRABBER NAILS FOR GYPSUM WALLBOARD  
INSTALLATION**

## 1.0 EVALUATION SCOPE

**Compliance with the following codes:**

- 2015, 2012 and 2009 *International Building Code*® (IBC)
- 2015, 2012 and 2009 *International Residential Code*® (IRC)
- 2013 *Abu Dhabi International Building Code* (ADIBC)<sup>†</sup>

<sup>†</sup>The ADIBC is based on the 2009 IBC. 2009 IBC code sections referenced in this report are the same sections in the ADIBC.

**Property evaluated:**

Physical properties

## 2.0 USES

Grabber nails are used for the attachment of gypsum panel products to wood framing members.

## 3.0 DESCRIPTION

The nails comply with the material, ductility, withdrawal resistance and dimensional tolerances of ASTM C514, Standard Specification for Nails for the Application of Gypsum Wallboard. Nail descriptions and dimensions are provided in Table 1 of this report.

## 4.0 INSTALLATION

The nails described in this report are driven by a hand tool. See Table 2 of this report regarding application of the nails. Installation must comply with the applicable requirements in ASTM C840 or GA216.

## 5.0 CONDITIONS OF USE

The Grabber nails described in this report comply with, or are suitable alternatives to what is specified in, those codes listed in Section 1.0 of this report, subject to the following conditions:

- 5.1 The nails must conform to the descriptions in this report.
- 5.2 The nails must be installed in accordance with this report and the applicable codes.

## 6.0 EVIDENCE SUBMITTED

- 6.1 Data in accordance with ASTM C514.
- 6.2 Quality documentation.

## 7.0 IDENTIFICATION

The nails are packaged in 12-pound (5.4 kg) "House Pack" boxes that come four to a master carton, and in 50-pound (22.5 kg) bulk boxes. The packaging is labeled with the Grabber name and address, nail size (shank diameter x length), finish and the evaluation report number (ESR-2618).

**TABLE 1—NAIL DESCRIPTIONS AND DIMENSIONS**

NAIL I.D.	DESCRIPTION	LENGTH (inches)	NOMINAL SHANK DIAMETER (inch)	HEAD DIAMETER (inch)
DWCH138	Cupped head, phosphate etched wallboard nail	1 <sup>3</sup> / <sub>8</sub>	0.091	1 <sup>9</sup> / <sub>64</sub>
DWCH158	Cupped head, phosphate etched wallboard nail	1 <sup>5</sup> / <sub>8</sub>		
DWCH178	Cupped head, phosphate etched wallboard nail	1 <sup>7</sup> / <sub>8</sub>		
DWCH138G	Cupped head, phosphate etched wallboard nail	1 <sup>3</sup> / <sub>8</sub>	0.099	1 <sup>11</sup> / <sub>32</sub>
DWCH158G	Cupped head, phosphate etched wallboard nail	1 <sup>5</sup> / <sub>8</sub>		
DWCH178G	Cupped head, phosphate etched wallboard nail	1 <sup>7</sup> / <sub>8</sub>		
DWRS125G	Ring shank, galvanized nail	1 <sup>1</sup> / <sub>4</sub>	0.099	1 <sup>9</sup> / <sub>64</sub>
DWRS138G	Ring shank, galvanized nail	1 <sup>3</sup> / <sub>8</sub>		
DWRS158G	Ring shank, galvanized nail	1 <sup>5</sup> / <sub>8</sub>		
DWRS200G	Ring shank, galvanized nail	2		
DWRS250G	Ring shank, galvanized nail	2 <sup>1</sup> / <sub>2</sub>		
DWAT125	Ring shank, bright nail	1 <sup>1</sup> / <sub>4</sub>	0.099	1 <sup>9</sup> / <sub>64</sub>
DWAT138	Ring shank, bright nail	1 <sup>3</sup> / <sub>8</sub>		
DWAT158	Ring shank, bright nail	1 <sup>5</sup> / <sub>8</sub>		
DWAT200	Ring shank, bright nail	2		
DWRS125B	Ring shank, blued nail	1 <sup>1</sup> / <sub>4</sub>	0.099	1 <sup>9</sup> / <sub>64</sub>
DWRS138B	Ring shank, blued nail	1 <sup>3</sup> / <sub>8</sub>		
DWRS158B	Ring shank, blued nail	1 <sup>5</sup> / <sub>8</sub>		
DWRS200B	Ring shank, blued nail	2		

For **SI**: 1 inch = 25.4 mm.

**TABLE 2—APPLICATION OF NAILS**

NAIL LENGTH (inches)	IBC	IRC
1 <sup>1</sup> / <sub>4</sub>	Single-ply or base-ply attachment of two-ply, <sup>3</sup> / <sub>8</sub> -inch-thick gypsum wallboard, per ASTM C840 and GA-216 (IBC Table 2508.1)	Not permitted
1 <sup>3</sup> / <sub>8</sub>	As an alternative to 4d cooler or wallboard nails specified in 2015 and 2012 IBC Table 721.1(2), and 2009 IBC Table 720.1(2); single-ply or base-ply attachment of two-ply, <sup>1</sup> / <sub>2</sub> -inch-thick gypsum wallboard, per ASTM C840 (IBC Table 2508.1)	Single-ply attachment of <sup>3</sup> / <sub>8</sub> -inch-thick gypsum board noted in IRC Table R702.3.5
1 <sup>5</sup> / <sub>8</sub>	As an alternative to 5d cooler or wallboard nail specified in 2015 and 2012 IBC Table 721.1(2), and 2009 IBC Table 720.1(2); face-ply attachment of two-ply, <sup>3</sup> / <sub>8</sub> -inch-thick gypsum wallboard per ASTM C840 (IBC Table 2508.1)	Single-ply attachment of <sup>1</sup> / <sub>2</sub> -inch-thick gypsum board noted in IRC Table R702.3.5
1 <sup>7</sup> / <sub>8</sub>	As an alternative to 6d cooler or wallboard nail specified in 2015 and 2012 IBC Table 721.1(2), and 2009 IBC Table 720.1(2); face-ply attachment of two-ply, <sup>1</sup> / <sub>2</sub> -inch-thick gypsum wallboard per ASTM C840 (IBC Table 2508.1)	Single-ply attachment of <sup>5</sup> / <sub>8</sub> -inch-thick gypsum board noted in IRC Table R702.3.5
2	Same as for 1 <sup>7</sup> / <sub>8</sub> -inch-long nails	Same as for 1 <sup>7</sup> / <sub>8</sub> -inch-long nails
2 <sup>1</sup> / <sub>2</sub>	Face-ply attachment of two-ply, <sup>5</sup> / <sub>8</sub> -inch-thick gypsum wallboard per ASTM C840 (IBC Table 2508.1)	Same as for 1 <sup>7</sup> / <sub>8</sub> -inch-long nails

For **SI**: 1 inch = 25.4 mm.

## ICC-ES Evaluation Report

## ESR-2618 CBC and CRC Supplement

Reissued May 2017

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**DIVISION: 09 00 00—FINISHES**

**Section: 09 29 10—Gypsum Board Accessories**

### REPORT HOLDER:

**GRABBER CONSTRUCTION PRODUCTS, INC.**

5255 WEST 11000 NORTH, SUITE 100

HIGHLAND, UTAH 84003

(801) 492-3880

[info@grabberman.com](mailto:info@grabberman.com)

[www.grabberman.com](http://www.grabberman.com)

### EVALUATION SUBJECT:

**GRABBER NAILS FOR GYPSUM WALLBOARD INSTALLATION**

### 1.0 REPORT PURPOSE AND SCOPE

#### Purpose:

The purpose of this evaluation report supplement is to indicate that Grabber nails, recognized in ICC-ES master evaluation report ESR-2618, have also been evaluated for compliance with the codes noted below.

#### Applicable code editions:

- 2016 *California Building Code*® (CBC), Chapter 25
- 2016 *California Residential Code*® (CRC)

### 2.0 CONCLUSIONS

**2.1** The Grabber nails, described in Sections 2.0 through 7.0 of the master evaluation report ESR-2618, comply with CBC Chapter 25, provided the design and installation are in accordance with the 2015 *International Building Code*® (IBC) provisions noted in the master report and the additional requirements of CBC Chapters 17, 17A, and 25, as applicable.

**2.2** The Grabber nails, described in Sections 2.0 through 7.0 of the master evaluation report ESR-2618, comply with the CRC Section R702.3, provided the design and installation are in accordance with the 2015 *International Residential Code*® (IRC) provisions noted in the master report.

This supplement expires concurrently with the master report, reissued May 2017.

## ICC-ES Evaluation Report

## ESR-2618 FBC Supplement

Reissued May 2017

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HIGHLAND, UTAH 84003  
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[info@grabberman.com](mailto:info@grabberman.com)  
[www.grabberman.com](http://www.grabberman.com)

### EVALUATION SUBJECT:

#### GRABBER NAILS FOR GYPSUM WALLBOARD INSTALLATION

#### 1.0 REPORT PURPOSE AND SCOPE

##### Purpose:

The purpose of this evaluation report supplement is to indicate that the Grabber nails used for gypsum wallboard installation, recognized in ICC-ES master evaluation report ESR-2618, have also been evaluated for compliance with the codes noted below.

##### Applicable code editions:

- 2014 *Florida Building Code—Building*
- 2014 *Florida Building Code—Residential*

#### 2.0 CONCLUSIONS

The Grabber nails, described in Sections 2.0 through 7.0 of the master evaluation report ESR-2618, comply with the *Florida Building Code—Building* and the *Florida Building Code—Residential*, provided the design and installation are in accordance with the 2012 *International Building Code*® provisions noted in the master report.

Use of the Grabber nails for use in gypsum board installation has also been found to be in compliance with the High-Velocity Hurricane Zone provisions of the *Florida Building Code—Building* and the *Florida Building Code—Residential*.

For products falling under Florida Rule 9N-3, verification that the report holder's quality -assurance program is audited by a quality-assurance entity approved by the Florida Building Commission for the type of inspections being conducted is the responsibility of an approved validation entity (or the code official when the report holder does not possess an approval by the Commission).

This supplement expires concurrently with the master report, reissued May 2017.