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# ICC-ES Report

## ESR-2618

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Reissued 05/2015  
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**DIVISION: 09 00 00—FINISHES**  
**SECTION: 09 29 10—GYPSUM BOARD ACCESSORIES**

**REPORT HOLDER:**

**GRABBER CONSTRUCTION PRODUCTS, INC.**

**20 WEST MAIN STREET COURT  
ALPINE, UTAH 84004**

**EVALUATION SUBJECT:**

**GRABBER NAILS FOR GYPSUM WALLBOARD INSTALLATION**



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**ICC-ES Evaluation Report****ESR-2618\***

Reissued May 2015

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**Section: 09 29 10—Gypsum Board Accessories****REPORT HOLDER:****GRABBER CONSTRUCTION PRODUCTS, INC.**  
**20 WEST MAIN STREET COURT**  
**ALPINE, UTAH 84004**  
**(925) 680-0777**  
[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, 2009 and 2006 *International Building Code*®
- 2015, 2012, 2009 and 2006 *International Residential Code*®
- 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.

- Other Codes (see Section 8.0)

**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 and the evaluation report number (ESR-2618).

**8.0 OTHER CODES**The products, as described in Sections 1.0 through 7.0, also comply with the requirements of the 1997 *Uniform Building Code*™ (UBC).**\*Revised August 2015**

TABLE 1—NAIL DESCRIPTIONS AND DIMENSIONS

NAIL I.D.	DESCRIPTION	LENGTH (inches)	WIRE DIAMETER (inch)	HEAD DIAMETER (inch)
DWCH138	Cupped head, phosphate etched wallboard nail	1 <sup>3</sup> / <sub>8</sub>	0.095	<sup>19</sup> / <sub>64</sub>
DWCH158	Cupped head, phosphate etched wallboard nail	1 <sup>5</sup> / <sub>8</sub>	0.095	<sup>19</sup> / <sub>64</sub>
DWCH178	Cupped head, phosphate etched wallboard nail	1 <sup>7</sup> / <sub>8</sub>	0.095	<sup>19</sup> / <sub>64</sub>
DWCH138G	Cupped head, phosphate etched wallboard nail	1 <sup>3</sup> / <sub>8</sub>	0.101	<sup>11</sup> / <sub>32</sub>
DWCH158G	Cupped head, phosphate etched wallboard nail	1 <sup>5</sup> / <sub>8</sub>	0.101	<sup>11</sup> / <sub>32</sub>
DWCH178G	Cupped head, phosphate etched wallboard nail	1 <sup>7</sup> / <sub>8</sub>	0.101	<sup>11</sup> / <sub>32</sub>
DWRS125G	Ring shank, galvanized nail	1 <sup>1</sup> / <sub>4</sub>	0.112	<sup>19</sup> / <sub>64</sub>
DWRS138G	Ring shank, galvanized nail	1 <sup>3</sup> / <sub>8</sub>	0.112	<sup>19</sup> / <sub>64</sub>
DWRS158G	Ring shank, galvanized nail	1 <sup>5</sup> / <sub>8</sub>	0.112	<sup>19</sup> / <sub>64</sub>
DWRS200G	Ring shank, galvanized nail	2	0.112	<sup>19</sup> / <sub>64</sub>
DWRS250G	Ring shank, galvanized nail	2 <sup>1</sup> / <sub>2</sub>	0.112	<sup>19</sup> / <sub>64</sub>
DWAT125	Ring shank, bright nail	1 <sup>1</sup> / <sub>4</sub>	0.112	<sup>19</sup> / <sub>64</sub>
DWAT138	Ring shank, bright nail	1 <sup>3</sup> / <sub>8</sub>	0.112	<sup>19</sup> / <sub>64</sub>
DWAT158	Ring shank, bright nail	1 <sup>5</sup> / <sub>8</sub>	0.112	<sup>19</sup> / <sub>64</sub>
DWAT200	Ring shank, bright nail	2	0.112	<sup>19</sup> / <sub>64</sub>
DWRS125B	Ring shank, blued nail	1 <sup>1</sup> / <sub>4</sub>	0.109	<sup>19</sup> / <sub>64</sub>
DWRS138B	Ring shank, blued nail	1 <sup>3</sup> / <sub>8</sub>	0.109	<sup>19</sup> / <sub>64</sub>
DWRS158B	Ring shank, blued nail	1 <sup>5</sup> / <sub>8</sub>	0.109	<sup>19</sup> / <sub>64</sub>
DWRS200B	Ring shank, blued nail	2	0.109	<sup>19</sup> / <sub>64</sub>

For SI: 1 inch = 25.4 mm.

TABLE 2—APPLICATION OF NAILS

NAIL LENGTH (inches)	UBC	IBC	IRC
1 <sup>1</sup> / <sub>4</sub>	Base-ply attachment of two-ply, <sup>3</sup> / <sub>8</sub> - or <sup>1</sup> / <sub>2</sub> -inch-thick gypsum wallboard noted in UBC Table 25-H	Single-ply or base-ply attachment of two-ply, <sup>3</sup> / <sub>8</sub> -inch-thick gypsum wallboard, per ASTM C840 (IBC Table 2508.1)	Not permitted
1 <sup>3</sup> / <sub>8</sub>	As an alternative to 4d wallboard nails specified in UBC Table 7-B; base-ply attachment of two-ply, <sup>5</sup> / <sub>8</sub> -inch-thick gypsum wallboard noted in UBC Table 25-H	As an alternative to 4d cooler or wallboard nails specified in 2012 IBC Table 721.1(2), and 2009 and 2006 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 wallboard nail specified in UBC Tables 7-B, 25-G and 25-I	As an alternative to 5d cooler or wallboard nail specified in 2012 IBC Table 721.1(2), and 2009 and 2006 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 wallboard nail specified in UBC Tables 7-B, 25-G and 25-I	As an alternative to 6d cooler or wallboard nail specified in 2012 IBC Table 721.1(2), and 2009 and 2006 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	Face-ply attachment of two-ply, <sup>5</sup> / <sub>8</sub> -inch-thick gypsum wallboard noted in UBC Table 25-H	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>	Same as for 2-inch-long nails	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**

Issued August 2015

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**DIVISION: 09 00 00—FINISHES****Section: 09 29 10—Gypsum Board Accessories****REPORT HOLDER:****GRABBER CONSTRUCTION PRODUCTS, INC.****20 WEST MAIN STREET COURT****ALPINE, UTAH 84004****(925) 680-0777**[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:**

- 2013 *California Building Code*® (CBC), Chapter 25
- 2013 *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 2012 *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 2012 *International Residential Code*® (IRC) provisions noted in the master report.

This supplement expires concurrently with the master report, reissued May 2015 and revised August 2015.

**ICC-ES Evaluation Report****ESR-2618 FBC Supplement**

Issued August 2015

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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 2014 *Florida Building Code—Building* and the 2014 *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 2014 *Florida Building Code—Building* and the 2014 *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 2015 and revised August 2015.