

BOARD OF  
BUILDING AND SAFETY  
COMMISSIONERS

MARSHA L. BROWN  
PRESIDENT

PEDRO BIRBA  
VICE-PRESIDENT

VAN AMBATIELOS  
HELENA JUBANY  
ELENORE A. WILLIAMS

CITY OF LOS ANGELES  
CALIFORNIA



ANTONIO R. VILLARAIGOSA  
MAYOR

DEPARTMENT OF  
BUILDING AND SAFETY  
201 NORTH FIGUEROA STREET  
LOS ANGELES, CA 90012

ANDREW A. ADELMAN, P.E.  
GENERAL MANAGER

RAYMOND CHAN  
EXECUTIVE OFFICER

Simpson Strong-Tie Co., Inc.  
260 N. Palm Street  
Brea, CA 92821

RESEARCH REPORT: RR 25707  
(CSI 06090)

BASED UPON ICC EVALUATION SERVICE  
ES REPORT NO. ESR-2329

Attn: Tim Kaucher, P.E.  
(714) 738-2151

REEVALUATION DUE DATE:  
June 1, 2009

**GENERAL APPROVAL** - ITS, ITT, MIT and HIT Series Joist Hangers, and HFN Series Panelized Roof Hangers.

**DETAILS**

The above are approved when in compliance with the description, identification and conditions of use in ES Report No. ESR-2329, dated June 1, 2007, revised September 2007, of the ICC Evaluation Service Inc. That report, in its entirety, is attached and made a part of this general approval.

The parts of ES Report No. ESR-2329, which are excluded on the attached copy have been removed by the Los Angeles Building Department as not included in this report.

**The approval is subject to the following conditions:**

1. All allowable values shall be as states in this report.
2. Solid blocking shall be required for all joist hangers.
3. Allowable loads shall not be increased for duration of load, except as specifically noted in the tables.
4. The supported end of joist or beam shall be within ¼-inch from the supporting header.
5. Allowable loads in tables are for the wood fastening devices and its fasteners and does not include supporting members. The supporting members shall be checked separately for structural adequacy

RR 25707  
Page 1 of 2

Simpson Strong-Tie Co., Inc.

RE: ITS, ITT, MIT and HIT Series Joist Hangers, and HFN Series Panelized Roof Hangers.

6. Approved products to be used shall be indicated on the approved set of plans.
7. Nails shall be common nails except where otherwise specified.
8. All products involving welding shall be fabricated in the shop of a Los Angeles City licensed fabricator.
9. Test data verifying the properties of the steel, by the mill or by an approved testing agency, shall be obtained for each shipment. The data shall be kept on file and submitted to the Department upon request.

## **DISCUSSION**

The approval is based on tests and analysis in accordance with ICC ES Acceptance Criteria AC13.

Addressee to whom this Research Report is issued is responsible for providing copies of it, complete with any attachments indicated, to architects, engineers and builders using items approved herein in design or construction which must be approved by Department of Building and Safety Engineers and Inspectors.

This general approval will remain effective provided the Evaluation Report is maintained valid and unrevised with the issuing organization. Any revisions to the report must be submitted to this Department, with appropriate fee, for review in order to continue the approval of the revised report.

This general approval of an equivalent alternate to the Code is only valid where an engineer and/or inspector of this Department has determined that all conditions of this approval have been met in the project in which it is to be used.

YEUAN CHOU, Chief  
Engineering Research Section  
201 N. Figueroa, Room 880  
Los Angeles, CA 90012  
Phone (213) 202-9812  
Fax (213) 202-9942

YC:elcm  
RR25707/D3/wp8.0  
R05/30/08  
5D2/2304.9.3

Attachment: ICC ES Report No. ESR-2329 (6 Pages)

**ICC Evaluation Service, Inc.**  
[www.icc-es.org](http://www.icc-es.org)

**Business/Regional Office** ■ 5360 Workman Mill Road, Whittier, California 90601 ■ (562) 699-0543  
**Regional Office** ■ 900 Montclair Road, Suite A, Birmingham, Alabama 35213 ■ (205) 599-9800  
**Regional Office** ■ 4051 West Flossmoor Road, Country Club Hills, Illinois 60478 ■ (708) 799-2305

**DIVISION: 06—WOOD AND PLASTICS**  
**Section: 06090—Wood and Plastic Fastenings**

**REPORT HOLDER:**

**SIMPSON STRONG-TIE COMPANY, INC.**  
5956 WEST LAS POSITAS BOULEVARD  
PLEASANTON, CALIFORNIA 94588  
(800) 999-5099  
[www.strongtie.com](http://www.strongtie.com)

**EVALUATION SUBJECT:**

**SIMPSON STRONG-TIE CONNECTORS: ITS, ITT, MIT, AND HIT SERIES TOP-FLANGE HANGERS, AND HFN SERIES PANELIZED ROOF HANGERS**

**1.0 EVALUATION SCOPE**

**Compliance with the following codes:**

- 2006 *International Building Code*® (IBC)
- 2006 *International Residential Code*® (IRC)
- Legacy Codes (See Section 8.0)

**Property evaluated:**

Structural

**2.0 USES**

Simpson Strong-Tie top-flange hangers and panelized roof hangers are recognized for use as wood framing connectors.

**3.0 DESCRIPTION**

**3.1 Joist Hanger Series:**

**3.1.1 ITS Series Joist Hangers:** The ITS series joist hangers connect prefabricated wood I-joists to a supporting wood beam. They are die-formed from No. 18 gage galvanized steel with a base-metal thickness of 0.0468 inch (1.19 mm). The hangers have a seat depth of 2 inches (50.8 mm), with widths corresponding to the particular supported-member dimension, and a top flange depth of  $1\frac{7}{16}$  inches (36.5 mm). They have two indentations that bear against the top surface of the bottom flange of the supported I-joist and resist uplift forces. Refer to Table 1 for allowable loads and fastener schedules. See Figure 1 for product description.

**3.1.2 ITT Series Joist Hangers:** The ITT series joist hangers connect prefabricated wood I-joists to a supporting wood beam. They are die-formed from No. 18 gage galvanized steel with a base-metal thickness of 0.0468 inch (1.19 mm). The hangers have a seat depth of 2 inches (50.8 mm), with various widths corresponding to the particular supported-member dimension. The hangers have a top flange depth of  $1\frac{3}{8}$  inches (34.9 mm). The hangers have two bend

tabs at the seat that are used to fasten the hanger to the supported wood I-joist. The bend-tabs are bent over and nailed into the I-joist bottom flange when web stiffeners are not used. Alternatively, the bend tabs may remain unbent when used with web stiffeners and when nails are installed directly through the joist hanger and into the web stiffeners. Refer to Table 1 for allowable loads and fastener schedules. See Figure 2 for product description.

**3.1.3 MIT Series Joist Hangers:** The MIT series joist hangers connect prefabricated wood I-joists to a supporting wood beam. They are die-formed from No. 16 gage galvanized steel with a base-metal thickness of 0.0584 inch (1.48 mm). The hangers have a seat depth of  $2\frac{1}{2}$  inches (63.5 mm) offset  $\frac{1}{4}$  inch (6.4 mm) from the support face, with widths corresponding to the particular supported-member dimension. The hangers have a top flange depth of  $2\frac{5}{16}$  inches (58.7 mm). The hangers include 45-degree angled nail openings for attachment of the I-joist flange to the hanger. Refer to Table 1 for allowable loads and fastener schedules. See Figure 3 for product description.

**3.1.4 HIT Hangers:** The HIT series joist hangers connect prefabricated wood I-joists to a supporting wood beam. They are die-formed from No. 16 gage galvanized steel with a base-metal thickness of 0.0584 inch (1.48 mm). The hangers have a seat depth of 3 inches (76.2 mm) offset  $\frac{1}{2}$  inch (12.7 mm) from the support face, with widths corresponding to the particular supported-member dimension. The hangers have top flange depths ranging from  $2\frac{3}{8}$  inches to 3 inches (60.3 mm to 76.2 mm). The hangers include 45-degree angled nail openings for attachment of the I-joist flange to the hanger. Refer to Table 1 for allowable loads and fastener schedules. See Figure 4 for product description.

**3.1.5 HFN Panelized Roof Hangers:** The HFN series hangers are designed for panelized roof construction. They are die-formed from No. 18 gage galvanized steel with a base-metal thickness of 0.0468 inch (1.19 mm). Header nailing schedules, hanger dimensions, and allowable loads must be in accordance with Table 2. See Figure 5 for product description.

**3.2 Materials:**

**3.2.1 Steel:** The steel in all hangers described in this report conforms to ASTM A 653 SS Grade 33, with a minimum yield strength of 33 ksi (227 MPa); a minimum ultimate tensile strength of 45 ksi (310 MPa); and a minimum galvanization equal to G90.

**3.2.2 Wood:** Wood members to which these connectors are fastened must be solid sawn lumber, glued-laminated lumber, I-joists or structural composite lumber having dimensions consistent with the connector dimensions shown in Tables 1 and 2. Unless otherwise noted, lumber supporting members must be Douglas fir–larch or southern yellow pine, having a

\*Revised November 2007

**ES REPORTS™** are not to be construed as representing aesthetics or any other attributes not specifically addressed, nor are they to be construed as an endorsement of the subject of the report or a recommendation for its use. There is no warranty by ICC Evaluation Service, Inc., express or implied, as to any finding or other matter in this report, or as to any product covered by the report.



minimum specific gravity of 0.50 (minimum equivalent specific gravity of 0.50 for engineered lumber), and must have a maximum moisture content of 19 percent (16 percent for engineered lumber).

**3.2.3 Fasteners:** Nails are 16d common [0.162 inch by 3<sup>1</sup>/<sub>2</sub> inches (4.11 mm by 89 mm)], 10d common [0.148 inch by 3 inches (3.76 mm by 76 mm)], N10 [0.148 inch by 1<sup>1</sup>/<sub>2</sub> inches (3.76 mm) by 38 mm], and 10d x 2<sup>1</sup>/<sub>8</sub> [0.148 inch by 2<sup>1</sup>/<sub>8</sub> inches (3.76 mm by 54 mm)]. Common wire steel nails must conform to the nominal sizes specified in ASTM F 1667. Nails must have the dimensions and minimum bending yield strengths ( $F_{yb}$ ) given in Table 3 of this report.

**3.2.4 Use in Treated Lumber:** Fasteners and hangers used in contact with preservative-treated or fire-retardant-treated lumber are outside the scope of this report and must be shown to comply with IBC Section 2304.9.5 or IRC Section R319.3. The lumber treater or report holder should be contacted for recommendations on minimum corrosion resistance of fasteners and hangers used with the specific preservative-treated or fire-retardant-treated lumber and the fastener capacity in lumber for fire-retardant-treated lumber.

## 4.0 INSTALLATION AND DESIGN

### 4.1 Design:

The tabulated allowable loads in Tables 1 and 2 are based on allowable stress design and consider the load duration factor,  $C_D$ , in accordance with Section 10.3.2 of the NDS-05. Design values for these hangers must comply with this report. Tabulated allowable loads are for connections to seasoned lumber with a maximum moisture content of 19 percent (16 percent for engineered lumber products), used under continuously dry conditions, and where sustained temperatures are limited to 100°F (37.8°C) or less. When connectors are installed in lumber having a moisture content greater than 19 percent (16 percent for engineered lumber products), or where wet service is expected, the allowable loads in this evaluation report must be adjusted by the wet service factor,  $C_M$ , specified in Section 10.3.3 of the NDS. When connectors are installed in lumber that will experience sustained exposure to temperatures exceeding 100°F (37.8°C), the allowable loads in this evaluation report must be adjusted by the temperature factor,  $C_t$ , specified in Section 10.3.4 of the NDS. Connected wood members must be checked for load-carrying capacity at the connection in accordance with Section 10.1.2 of the NDS.

### 4.2 Installation:

Installation of the connectors must be in accordance with this report and the manufacturer's published installation instructions. In the event of a conflict between this report and the manufacturer's published installation instructions, this report governs.

## 5.0 CONDITIONS OF USE

The Simpson Strong-Tie ITS, ITT, MIT, and HIT Series Top-Flange Hangers and HFN Series Panelized Roof Hangers 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 connectors must be manufactured, identified and installed in accordance with this report and the manufacturer's published installation instructions. A copy of the instructions must be available at the jobsite at all times during installation.
- 5.2 Calculated design loads must be less than the allowable loads indicated in Tables 1 and 2.
- 5.3 Connected lumber must comply with Section 3.2.2 of this report.

5.4 Adjustment factors noted in Section 4.1 of this report and the applicable codes must be considered, where applicable.

5.5 Fasteners must comply with Section 3.2.3 of this report.

5.6 Use of hangers and fasteners with treated lumber, such as preservative-treated and fire-retardant-treated lumber, is outside the scope of this report.

## 6.0 EVIDENCE SUBMITTED

Data in accordance with the ICC-ES Acceptance Criteria for Joist Hangers and Similar Devices (AC13), dated October 2006.

## 7.0 IDENTIFICATION

Each hanger covered by this report must be identified by the product name, the manufacturer's name or logo (see Figure 6), and the number of an index evaluation report (ESR-2523) which contains a summary of all the product model numbers in the ICC-ES reports issued to this manufacturer.

## 8.0 LEGACY CODES

In addition to the codes referenced in Section 1.0, the products in this report were evaluated for compliance with the requirements of the following codes:

- 2003 *International Building Code*® (2003 IBC)
- 2003 *International Residential Code*® (2003 IRC)
- 2000 *International Building Code*® (2000 IBC)
- 2000 *International Residential Code*® (2000 IRC)
- 1997 *Uniform Building Code*™ (UBC)

The products comply with, or are suitable alternatives to what is specified in, the codes listed above, subject to the provisions of Sections 8.1 through 8.6.

### 8.1 Uses:

8.1.1 **2003 IBC and 2003 IRC:** See Section 2.0 of this report.

8.1.2 **2000 IBC and 2000 IRC:** See Section 2.0 of this report.

8.1.3 **UBC:** See Section 2.0 of this report.

### 8.2 Description:

8.2.1 **2003 IBC and 2003 IRC:** See Section 3.0 of this report, except modify Section 3.2.4 as follows:

**Use in Treated Lumber:** Fasteners and hangers used in contact with preservative-treated or fire-retardant-treated lumber are outside the scope of this report and must be shown to comply with 2003 IBC Section 2304.9.5 and 2003 IRC Section R319.3. The lumber treater or report holder should be contacted for recommendations on minimum corrosion resistance of fasteners and hangers used with the specific preservative-treated or fire-retardant-treated lumber and the fastener capacity in lumber, for fire-retardant-treated lumber.

8.2.2 **2000 IBC and 2000 IRC:** See Section 3.0 of this report, except modify Section 3.2.4 as follows:

**Use in Treated Lumber:** Fasteners and hangers used in contact with preservative-treated or fire-retardant-treated lumber are outside the scope of this report and must be shown to comply with 2000 IBC Section 2304.9.5 and 2000 IRC Section R323.3. The lumber treater or report holder should be contacted for recommendations on minimum corrosion resistance of fasteners and hangers used with the specific preservative-treated or fire-retardant-treated lumber and the fastener capacity in lumber, for fire-retardant-treated lumber.

**8.2.3 UBC:** See Section 3.0 of this report, except modify Section 3.2.4 as follows:

**Use in Treated Lumber:** Fasteners and hangers used in contact with preservative-treated or fire-retardant-treated lumber are outside the scope of this report and must be shown to comply with UBC 2304.3. The lumber treater or report holder should be contacted for recommendations on minimum corrosion resistance of fasteners and hangers used with the specific preservative-treated or fire-retardant-treated lumber and the fastener capacity in lumber, for fire-retardant-treated lumber.

### **8.3 Installation and Design:**

**8.3.1 2003 IBC and 2003 IRC:** See Section 4.0 of this report.

**8.3.2 2000 IBC and 2000 IRC:** See Section 4.0 of this report, except modify Section 4.1 as follows:

**Design:** The tabulated allowable loads in Tables 1 and 2 are based on allowable stress design and consider the load duration factors,  $C_D$ , in accordance with Section 7.3.2 of the NDS-97. Design values for these hangers must comply with this report. Tabulated allowable loads are for connections to seasoned lumber with a maximum moisture content of 19 percent (16 percent for engineered lumber products), used under continuously dry conditions, and where sustained temperatures are limited to 100°F (37.8°C) or less. When connectors are installed in lumber having a moisture content greater than 19 percent (16 percent for engineered lumber products), or where wet service is expected, the allowable loads in this evaluation report must be adjusted by the wet service factor,  $C_m$ , specified in Section 7.3.3 of the NDS. When connectors are installed in lumber that will experience sustained exposure to temperatures exceeding 100°F (37.8°C), the allowable loads in this evaluation report must

be adjusted by the temperature factor,  $C_t$ , specified in Section 7.3.4 of the NDS. Connected wood members must be checked for load-carrying capacity at the connection in accordance with Section 7.1.2 of the NDS.

**8.3.3 UBC:** See Section 8.3.2 of this report.

### **8.4 Conditions of Use:**

**8.4.1 2003 IBC and 2003 IRC:** Same as in Section 5.0 of this report.

**8.4.2 2000 IBC and 2000 IRC:** Same as in Section 5.0 of this report, except modify Section 5.4 as follows: Adjustment factors noted in Section 8.3.2 of this report and the applicable codes must be considered, where applicable.

**8.4.3 UBC:** Same as in Section 5.0 of this report, except modify Section 5.4 as follows: Adjustment factors noted in Section 8.3.3 of this report and the applicable codes must be considered, where applicable.

### **8.5 Evidence Submitted:**

**8.5.1 2003 IBC and 2003 IRC:** Same as in Section 6.0 of this report.

**8.5.2 2000 IBC and 2000 IRC:** Same as in Section 6.0 of this report.

**8.5.3 UBC:** Same as in Section 6.0 of this report.

### **8.6 Identification:**

**8.6.1 2003 IBC and 2000 IRC:** Same as in Section 7.0 of this report.

**8.6.2 2000 IBC and 2000 IRC:** Same as in Section 7.0 of this report.

**8.6.3 UBC:** Same as in Section 7.0 of this report.

TABLE 1—ITS, ITT, MIT, AND HIT SERIES TOP-FLANGE HANGERS<sup>1,2,3,4</sup>

MODEL	STEEL GAGE	HANGER DIMENSIONS (inches)				FASTENER SCHEDULE (Quantity-Size)			DOUGLAS FIR—LARCH/SYP ALLOWABLE LOADS (lbf)					
									Uplift			Downward		
		W	H	B	TF	Header		Joist	$C_D = 1.0$	$C_D = 1.33$	$C_D = 1.6$	$C_D = 1.0$	$C_D = 1.15$	$C_D = 1.25$
						Top	Face							
ITS	18	1 <sup>9</sup> / <sub>16</sub> to 3 <sup>9</sup> / <sub>16</sub>	9 <sup>1</sup> / <sub>8</sub> to 16	2	1 <sup>7</sup> / <sub>16</sub>	4-N10	2-N10	—	105	105	105	1440	1440	1440
						4-10d	2-10d	—	105	105	105	1520	1520	1520
						4-16d	2-16d	—	105	105	105	1635	1635	1635
ITT	18	1 <sup>9</sup> / <sub>16</sub> to 3 <sup>9</sup> / <sub>16</sub>	9 <sup>1</sup> / <sub>8</sub> to 16	2	1 <sup>3</sup> / <sub>8</sub>	4-N10	2-N10	2-N10	235	235	235	1275	1275	1275
						4-10d	2-10d	2-N10	235	235	235	1465	1465	1465
						4-16d	2-16d	2-N10	235	235	235	1635	1635	1635
MIT	16	1 <sup>9</sup> / <sub>16</sub> to 5 <sup>9</sup> / <sub>16</sub>	9 <sup>1</sup> / <sub>4</sub> to 24	2 <sup>1</sup> / <sub>2</sub>	2 <sup>5</sup> / <sub>16</sub>	4-N10	2-N10	2-N10	215	215	215	2035	2035	2035
						4-10d	2-10d	2-N10	215	215	215	2245	2245	2245
						4-16d	2-16d	2-N10	215	215	215	2305	2305	2305
HIT	16	2 <sup>5</sup> / <sub>16</sub> to 3 <sup>9</sup> / <sub>16</sub>	18 to 26	3	2 <sup>3</sup> / <sub>8</sub> to 3	4-16d	6-16d	2-N10	315	315	315	2875	2875	2875

For SI: 1 inch = 25.4 mm, 1 lbf = 4.45 N.

<sup>1</sup>Load values are based on the lowest of the ultimate test load divided by a factor of safety or load at allowable deflection; no further increases are permitted.

<sup>2</sup>Nails: 16d (0.162" diameter × 3<sup>1</sup>/<sub>2</sub>" long), 10d (0.148" diameter × 3" long), N10 (0.148" diameter × 1<sup>1</sup>/<sub>2</sub>" long).

<sup>3</sup>Loads apply to solid wood members with a specific gravity of 0.5 and greater or to engineered lumber (such as LVL bottom chords of I-joists) having a minimum equivalent specific gravity of 0.50.

<sup>4</sup>Refer to Table 4 for model numbers.

TABLE 2—HFN SERIES ROOF HANGERS<sup>1,2,3</sup>

MODEL	HANGER DIMENSIONS (inches)			FASTENER SCHEDULE (Quantity-Size): HEADER	ALLOWABLE DOWNWARD ROOF LOADS (lbf)		
	W	H	TF		$C_D = 1.0$	$C_D = 1.15$	$C_D = 1.25$
HF24N	1 <sup>17</sup> / <sub>32</sub>	3 <sup>3</sup> / <sub>8</sub>	1 <sup>1</sup> / <sub>4</sub>	2-10d × 2 <sup>1</sup> / <sub>8</sub>	580	580	580
HF26N	1 <sup>17</sup> / <sub>32</sub>	5 <sup>3</sup> / <sub>8</sub>	1 <sup>1</sup> / <sub>4</sub>	2-10d × 2 <sup>1</sup> / <sub>8</sub>	635	635	635
HF34N	2 <sup>9</sup> / <sub>16</sub>	3 <sup>3</sup> / <sub>8</sub>	1 <sup>1</sup> / <sub>4</sub>	2-10d × 2 <sup>1</sup> / <sub>8</sub>	690	690	690
HF36N	2 <sup>9</sup> / <sub>16</sub>	5 <sup>3</sup> / <sub>8</sub>	1 <sup>1</sup> / <sub>4</sub>	2-10d × 2 <sup>1</sup> / <sub>8</sub>	725	725	725

For SI: 1 inch = 25.4 mm, 1 lbf = 4.45 N.

<sup>1</sup>Nails: 10d × 2<sup>1</sup>/<sub>8</sub>" (0.148" diameter × 2<sup>1</sup>/<sub>8</sub>" long).

<sup>2</sup>Loads apply to solid wood members with a specific gravity of 0.5 and greater.

<sup>3</sup>Load values are based on the lowest of the ultimate test load divided by a factor of safety or load at allowable deflection; no further increases are permitted.

TABLE 3—NAIL SPECIFICATIONS

PENNYWEIGHT, COMMON TYPE	NAIL DIAMETER (inch)	$F_{yb}$ (psi)
10d × 1 <sup>1</sup> / <sub>2</sub> " (N10), 10d × 2 <sup>1</sup> / <sub>8</sub> ", & 10d common	0.148	90,000
16d common	0.162	90,000

For SI: 1 inch = 25.4 mm, 1 psi = 6.89 kPa.

TABLE 4—MODEL NUMBER REFERENCE

SERIES	MODEL NUMBERS		
HIT	HIT318 HIT320 HIT322 HIT324 HIT326 HIT3518 HIT3520	HIT418 HIT420 HIT422 HIT424 HIT426	
ITS	ITS1.56/9.5 ITS1.56/11.88 ITS1.56/14 ITS1.81/9.5 ITS1.81/11.88 ITS1.81/14 ITS1.81/16 ITS2.06/9.5 ITS2.06/11.88	ITS2.06/14 ITS2.06/16 ITS2.37/9.5 ITS2.37/11.88 ITS2.37/14 ITS2.37/16 ITS2.56/9.5 ITS2.56/11.88 ITS2.56/14	ITS2.56/16 ITS3.56/9.5 ITS3.56/11.88 ITS3.56/14 ITS3.56/16
MIT	MIT1.81/14 MIT1.81/16 MIT11.88 MIT211.88 MIT211.88-2 MIT29.5 MIT29.5-2 MIT3.31/11.88 MIT3.31/9.5 MIT311.88 MIT311.88-2 MIT314 MIT314-2 MIT316	MIT318 MIT320 MIT3511.88 MIT3511.88-2 MIT3514 MIT3514-2 MIT3516 MIT3518 MIT3520 MIT359.5 MIT359.5-2 MIT39.5-2 MIT4.12/11.88 MIT4.12/14	MIT4.12/9.5 MIT4.28/11.88 MIT4.28/14 MIT4.28/9.5 MIT4.75/16 MIT411.88 MIT414 MIT416 MIT418 MIT420 MIT49.5 MIT5.12/16 MIT9.5 MIT322 MIT324
ITT	ITT11.25 ITT11.88 ITT14 ITT16 ITT2.06/11.88 ITT2.06/14 ITT2.06/16 ITT2.06/9.5 ITT2.1/11.88 ITT2.1/14 ITT2.1/16 ITT2.1/9.5 ITT211.25	ITT211.88 ITT214 ITT29.25 ITT29.5 ITT311.88 ITT313 ITT314 ITT316 ITT3510 ITT3511.25 ITT3511.88 ITT3514 ITT359.25 ITT359.5	ITT39.25 ITT39.37 ITT39.5 ITT411.25 ITT411.88 ITT413 ITT414 ITT416 ITT49.25 ITT49.37 ITT49.5 ITT9.25 ITT9.5

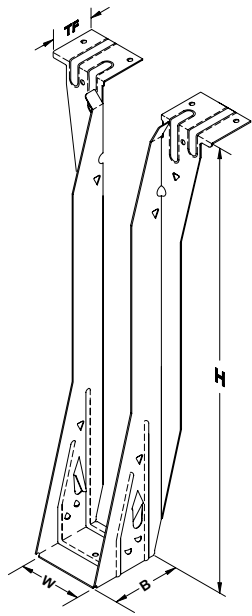


FIGURE 1—ITS HANGER

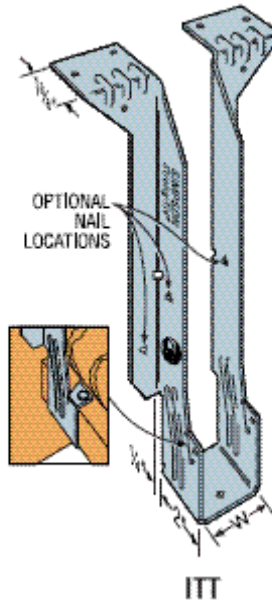


FIGURE 2—ITT HANGER

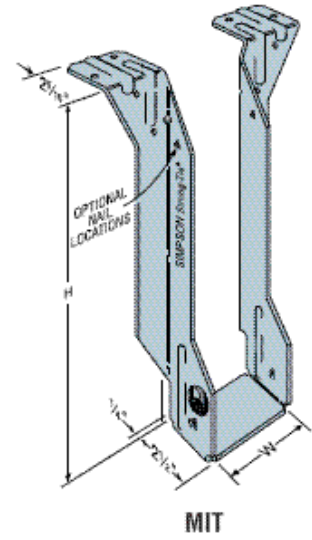


FIGURE 3—MIT HANGER

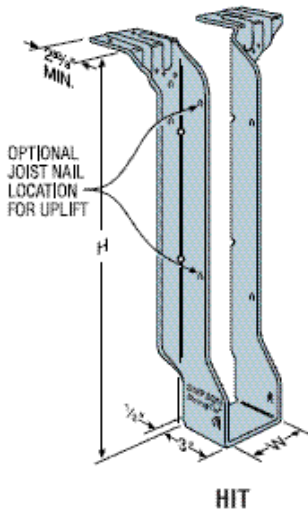


FIGURE 4—HIT HANGER

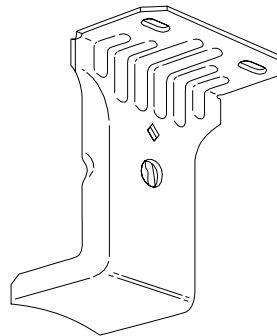


FIGURE 5—HFN HANGER



FIGURE 6—SIMPSON STRONG-TIE LOGO "NO-EQUAL"

**ICC Evaluation Service, Inc.**  
[www.icc-es.org](http://www.icc-es.org)

**Business/Regional Office** ■ 5360 Workman Mill Road, Whittier, California 90601 ■ (562) 699-0543  
**Regional Office** ■ 900 Montclair Road, Suite A, Birmingham, Alabama 35213 ■ (205) 599-9800  
**Regional Office** ■ 4051 West Flossmoor Road, Country Club Hills, Illinois 60478 ■ (708) 799-2305

**DIVISION: 06—WOOD AND PLASTICS**  
**Section: 06090—Wood and Plastic Fastenings**

**REPORT HOLDER:**

**SIMPSON STRONG-TIE COMPANY, INC.**  
5956 WEST LAS POSITAS BOULEVARD  
PLEASANTON, CALIFORNIA 94588  
(800) 999-5099  
[www.strongtie.com](http://www.strongtie.com)

**EVALUATION SUBJECT:**

**SIMPSON STRONG-TIE CONNECTORS: ITS, ITT, MIT, AND HIT SERIES TOP-FLANGE HANGERS, AND HFN SERIES PANELIZED ROOF HANGERS**

**1.0 EVALUATION SCOPE**

**Compliance with the following codes:**

- 2004 *Florida Building Code—Building*

**Property evaluated:**

Structural

**2.0 PURPOSE OF THIS SUPPLEMENT**

This supplement is issued to indicate that the Simpson Strong-Tie ITS, ITT, MIT, and HIT series top-flange hangers, and HFN series panelized roof hangers described in Sections 2.0 through 7.0 of the master report comply with the 2004 *Florida Building Code—Building*, when designed and installed in accordance with the master evaluation report.

This supplement expires concurrently with the master evaluation report issued on June 1, 2007.