



**BUILDING CODE COMPLIANCE OFFICE (BCCO)  
PRODUCT CONTROL DIVISION**

**MIAMI-DADE COUNTY, FLORIDA  
METRO-DADE FLAGLER BUILDING  
140 WEST FLAGLER STREET, SUITE 1603  
MIAMI, FLORIDA 33130-1563  
(305) 375-2901 FAX (305) 375-2908**

**NOTICE OF ACCEPTANCE (NOA)**

**Simpson Strong Tie Co., Inc.  
1720 Couch Drive,  
McKinney, TX 75069**

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BCPRC reserves the right to revoke this acceptance, if it is determined by Miami-Dade county Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High velocity Hurricane Zone of the Florida Building Code.

**DESCRIPTION: Wood Connectors U, LU, LUP, HU & WM.**

**APPROVAL DOCUMENT:** Drawing No. none, sheets 1 through 4, titled "U Joist Hangers, LU/LUP Joist Hangers, HU Joist Hangers & WM Masonry Joist Hangers," with no revisions, dated 10/09/98, prepared by Simpson Strong-Tie Co., Inc. signed and sealed by E. M. C. Ballash, PE, bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance (NOA) number and expiration date by the Miami-Dade County Product Control Division.

**MISSILE IMPACT RATING: None**

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA renews NOA# 00-0121.04 consists of this page 1 as well as approval document mentioned above. The submitted documentation was reviewed by **Candido F. Font PE.**



**NOA No: 03-0123.05  
Expiration Date: February 16, 2008  
Approval Date: April 3, 2003  
Page 1**

**Simpson Strong Tie Company, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

(For File ONLY. Not part of NOA)

**A DRAWINGS**

1. Drawings prepared by Simpson Strong-Tie Co., Inc., titled "U Joist Hangers, LU/LUP Joist Hangers, HU Joist Hangers and WM Masonry Joist Hangers", Drawing with no numbers, sheets 1 through 4 of 4, dated 10/09/98 with no revisions, signed and sealed by E. M.C. Ballash, PE.

**B TEST**

Test reports on wood connectors per ASTM D1761 by Kleinfelder, signed and sealed by Chung-Hsein Lyu, PE.

	<b>Report No.</b>	<b>Wood Connector</b>	<b>Direction</b>	<b>Date</b>
1.	F 263 & 264	U 414	Down & Up	07/17/96
2.	F 261 & 262	U 24	Down & Up	07/18/96
3.	F 325 & 326	LUP 24	Downward	07/18/96
4.	F 326	LUP 210	Downward	08/12/96
5.	F 325	LUP 24	Downward	08/12/96
6	F 220 & 243	LU 24	Down & Up	07/17/96
7	F 221 & 244	LU 210	Down & Up	07/17/96 & 07/22/96
8	F 329	HU 410 m	Downward	08/28/96
09	F 330 & 331	HU 410 M	Down & Up	08/12/96
10	F 327 & 328	HU 26	Down & Up	08/12/96
11	F 374	WM 26	Downward	08/29/96

**C CALCULATIONS**

Report of Design Capacities prepared by Simpson Strong-Tie Co., Inc.

	<b>Product Model</b>	<b>No. of Pages</b>	<b>Date</b>	<b>Signature</b>
1.	U Series	1 through 2	09/23/98	E. M. C. Ballash, PE
2	LUP Series	1 through 3	09/14/98	E. M. C. Ballash, PE.
3	LU Series	1 through 1	11/27/95	E. M. C. Ballash, PE
4	HU Series	1 through 3	08/03/94	R. C. Gregg, PE
5	WM Series	1 through 3	09/21/98	E. M. C. Ballash, PE.

**D STATEMENTS**

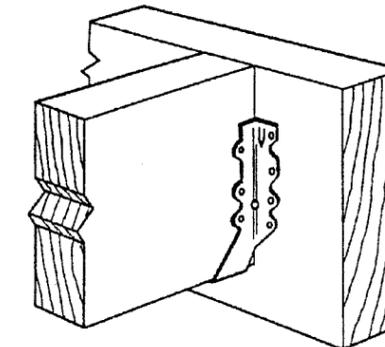
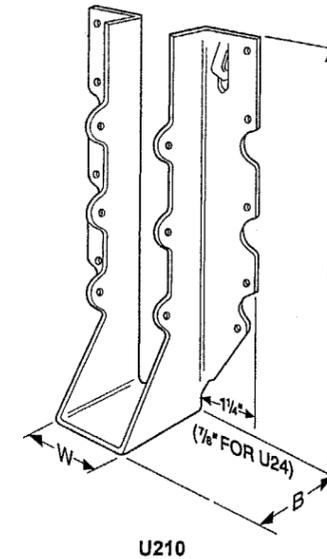
1. Code compliance letter issued by Simpson Strong-Tie Company, Inc. on 03/20/00 signed and sealed by E.M.C. Ballash, PE. on 03/22/00.
2. No change letter issued by Simpson Strong Tie-Company, Inc. on 01/15/03 and signed by J. M. Gilstrap.

  
**Candido F. Font PE.**  
**Sr. Product Control Examiner**  
**NOA No 03-0123.05**  
**Expiration Date: February 16, 2008**  
**Approval Date: April 3, 2003**

## U Joist Hangers

Model No.	Gauge	Dimensions			Fasteners <sup>1</sup>			Allowable Loads		
		W	H	B	Header		Joist	Uplift	Down	
					10d	16d			10d	16d
U24	16	1 <sup>9</sup> / <sub>16</sub>	3 <sup>1</sup> / <sub>8</sub>	1 <sup>1</sup> / <sub>2</sub>	4-10d	4-16d	2-10d x 1 <sup>1</sup> / <sub>2</sub>	--	445	530
U24-2	16	3 <sup>1</sup> / <sub>8</sub>	3	2	4-10d	4-16d	2-10d	--	445	530
U26	16	1 <sup>9</sup> / <sub>16</sub>	4 <sup>3</sup> / <sub>4</sub>	2	6-10d	6-16d	4-10d x 1 <sup>1</sup> / <sub>2</sub>	--	665	800
U26-2	16	3 <sup>1</sup> / <sub>8</sub>	5	2	8-10d	8-16d	4-10d	--	890	1065
U26-3	16	4 <sup>5</sup> / <sub>8</sub>	4 <sup>1</sup> / <sub>4</sub>	2	8-10d	8-16d	2-10d	--	890	1065
U210	16	1 <sup>9</sup> / <sub>16</sub>	7 <sup>13</sup> / <sub>16</sub>	2	10-10d	10-16d	6-10d x 1 <sup>1</sup> / <sub>2</sub>	720	1110	1330
U210-2	16	3 <sup>1</sup> / <sub>8</sub>	8 <sup>1</sup> / <sub>2</sub>	2	14-10d	14-16d	6-10d	890	1555	1860
U210-3	16	4 <sup>5</sup> / <sub>8</sub>	7 <sup>3</sup> / <sub>4</sub>	2	14-10d	14-16d	6-10d	890	1555	1860
U214	16	1 <sup>9</sup> / <sub>16</sub>	10	2	12-10d	12-16d	8-10d x 1 <sup>1</sup> / <sub>2</sub>	960	1330	1595
U34	16	2 <sup>9</sup> / <sub>16</sub>	3 <sup>3</sup> / <sub>8</sub>	2	4-10d	4-16d	2-10d x 1 <sup>1</sup> / <sub>2</sub>	--	445	530
U36	16	2 <sup>9</sup> / <sub>16</sub>	5 <sup>3</sup> / <sub>8</sub>	2	8-10d	8-16d	4-10d x 1 <sup>1</sup> / <sub>2</sub>	--	890	1065
U310	16	2 <sup>9</sup> / <sub>16</sub>	8 <sup>7</sup> / <sub>8</sub>	2	14-10d	14-16d	6-10d x 1 <sup>1</sup> / <sub>2</sub>	720	1555	1860
U314	16	2 <sup>9</sup> / <sub>16</sub>	10 <sup>1</sup> / <sub>2</sub>	2	16-10d	16-16d	6-10d x 1 <sup>1</sup> / <sub>2</sub>	720	1775	2130
U44	16	3 <sup>9</sup> / <sub>16</sub>	2 <sup>7</sup> / <sub>8</sub>	2	4-10d	4-16d	2-10d	--	445	530
U46	16	3 <sup>9</sup> / <sub>16</sub>	4 <sup>7</sup> / <sub>8</sub>	2	8-10d	8-16d	4-10d	--	890	1065
U410	16	3 <sup>9</sup> / <sub>16</sub>	8 <sup>3</sup> / <sub>8</sub>	2	14-10d	14-16d	6-10d	890	1555	1860
U414	16	3 <sup>9</sup> / <sub>16</sub>	10	2	16-10d	16-16d	6-10d	890	1775	2130
U66	16	5 <sup>1</sup> / <sub>2</sub>	5	2	8-10d	8-16d	4-10d	--	890	1065
U610	16	5 <sup>1</sup> / <sub>2</sub>	8 <sup>1</sup> / <sub>2</sub>	2	14-10d	14-16d	6-10d	890	1555	1860
U24R	16	2	3 <sup>5</sup> / <sub>8</sub>	2	4-10d	4-16d	2-10d x 1 <sup>1</sup> / <sub>2</sub>	--	445	530
U26R	16	2	5 <sup>5</sup> / <sub>8</sub>	2	8-10d	8-16d	4-10d x 1 <sup>1</sup> / <sub>2</sub>	--	890	1065
U210R	16	2	9 <sup>1</sup> / <sub>8</sub>	2	14-10d	14-16d	6-10d x 1 <sup>1</sup> / <sub>2</sub>	720	1555	1860
U44R	16	4	2 <sup>5</sup> / <sub>8</sub>	2	4-10d	4-16d	2-16d	--	445	530
U46R	16	4	4 <sup>5</sup> / <sub>8</sub>	2	8-10d	8-16d	4-16d	710	890	1065
U410R	16	4	8 <sup>1</sup> / <sub>8</sub>	2	14-10d	14-16d	6-16d	1065	1555	1860
U66R	16	6	5	2	8-10d	8-16d	4-16d	710	890	1065
U610R	16	6	8 <sup>1</sup> / <sub>2</sub>	2	14-10d	14-16d	6-16d	1065	1555	1860
U3510/14	16	2 <sup>5</sup> / <sub>16</sub>	9	2	--	14-16d	6-10d x 1 <sup>1</sup> / <sub>2</sub>	720	--	1860
U3516/20	16	2 <sup>5</sup> / <sub>16</sub>	10 <sup>9</sup> / <sub>16</sub>	2	--	16-16d	6-10d x 1 <sup>1</sup> / <sub>2</sub>	720	--	2130
U3510-2	16	4 <sup>3</sup> / <sub>4</sub>	8 <sup>3</sup> / <sub>4</sub>	2	--	14-16d	6-10d	890	--	1860
U3512-2	16	4 <sup>3</sup> / <sub>4</sub>	11 <sup>1</sup> / <sub>4</sub>	2	--	16-16d	6-10d	890	--	2130

<sup>1</sup>Minimum header penetration is 1-3/4" for 10d nails and 2" for 16d nails.



Typical  
Installation

**PRODUCT RENEWED**  
 as complying with the Florida  
 Building Code  
 Acceptance No. 02-012305  
 Expiration Date 2/16/2008  
 By   
 Miami Dade Product Control  
 Division

**GENERAL NOTES:**

- 1) Steel shall conform to ASTM A-653 FS with  $F_{y,min} = 28$  ksi and  $F_{u,min} = 38$  ksi and have a minimum galvanized coating of G60.
- 2) Fasteners are common wire nails unless otherwise noted.
- 3) Allowable uplift loads have been increased 33% for wind loading with no other duration increases allowed.
- 4) Allowable down loads have not been increased by any duration factor.
- 5) Allowable loads are based on the National Design Specification for Wood Construction 1991 Edition & 1993 Errata, for Douglas Fir-Larch (G=0.50 or better) and tests performed in accordance with ASTM D1761.

FOR OFFICE USE	<b>SIMPSON STRONG-TIE CO., INC.</b> 4637 Chabot Drive, Suite 200 Pleasanton, CA 94588		<i>1/14/2000</i> <i>Evon M. Ballash</i>
APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE DATE <u>April 07, 2000</u>	TITLE: U Joist Hangers		
BY 	Drawing No.:	Sheet No. 1/4	
PRODUCT CONTROL DIVISION BUILDING CODE COMPLIANCE ACCEPTANCE NO. <u>00-012104</u>	Drawing Date: 10-9-98	Revision Date: --	
Evon M.C. Ballash, P.E. Civil #PE0051762			

## LU/LUP Joist Hangers

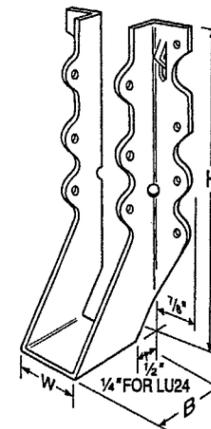
Model No.	Gauge	Dimensions			Fasteners <sup>1</sup>			Allowable Loads		
		W	H	B	Header		Joist	Uplift	Down	
					10d	16d			10d	16d
LU24	20	1 <sup>9</sup> / <sub>16</sub>	3 <sup>1</sup> / <sub>8</sub>	1 <sup>1</sup> / <sub>2</sub>	4-10d	4-16d	2-10dx1 <sup>1</sup> / <sub>2</sub>	--	445	530
LU24R	20	2	2 <sup>13</sup> / <sub>16</sub>	1 <sup>1</sup> / <sub>2</sub>	--	4-16d	2-10dx1 <sup>1</sup> / <sub>2</sub>	--	--	530
LU26	20	1 <sup>9</sup> / <sub>16</sub>	4 <sup>3</sup> / <sub>4</sub>	1 <sup>1</sup> / <sub>2</sub>	6-10d	6-16d	4-10dx1 <sup>1</sup> / <sub>2</sub>	--	665	800
LU26R	20	2	4 <sup>9</sup> / <sub>16</sub>	1 <sup>1</sup> / <sub>2</sub>	--	6-16d	4-10dx1 <sup>1</sup> / <sub>2</sub>	--	--	800
LU28	20	1 <sup>9</sup> / <sub>16</sub>	6 <sup>3</sup> / <sub>8</sub>	1 <sup>1</sup> / <sub>2</sub>	8-10d	8-16d	6-10dx1 <sup>1</sup> / <sub>2</sub>	735	890	1065
LU28R	20	2	6 <sup>3</sup> / <sub>8</sub>	1 <sup>1</sup> / <sub>2</sub>	--	8-16d	6-10dx1 <sup>1</sup> / <sub>2</sub>	735	--	1065
LU210	20	1 <sup>9</sup> / <sub>16</sub>	7 <sup>13</sup> / <sub>16</sub>	1 <sup>1</sup> / <sub>2</sub>	10-10d	10-16d	6-10dx1 <sup>1</sup> / <sub>2</sub>	735	1110	1330
LU210R	20	2	7 <sup>9</sup> / <sub>16</sub>	2	--	10-16d	6-10dx1 <sup>1</sup> / <sub>2</sub>	735	--	1330

<sup>1</sup>Minimum header penetration is 1-3/4" for 10d nails and 2" for 16d nails.

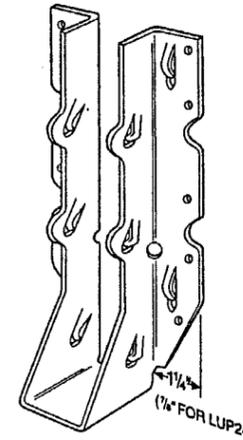
Model No.	Gauge	Dimensions			Fasteners <sup>1</sup>			Allowable Down Loads	
		W	H	B	Header		Joist <sup>2</sup>	10d	16d
					10d	16d			
LUP24	18	1 <sup>9</sup> / <sub>16</sub>	3 <sup>1</sup> / <sub>8</sub>	1 <sup>1</sup> / <sub>2</sub>	4-10d	4-16d	2-Prong	445	530
LUP26	18	1 <sup>9</sup> / <sub>16</sub>	4 <sup>3</sup> / <sub>4</sub>	2	6-10d	6-16d	4-Prong	665	800
LUP28	18	1 <sup>9</sup> / <sub>16</sub>	6 <sup>5</sup> / <sub>8</sub>	2	8-10d	8-16d	6-Prong	890	1065
LUP210	18	1 <sup>9</sup> / <sub>16</sub>	7 <sup>13</sup> / <sub>16</sub>	2	10-10d	10-16d	6-Prong	1110	1330

<sup>1</sup>Minimum header penetration is 1-3/4" for 10d nails and 2" for 16d nails.

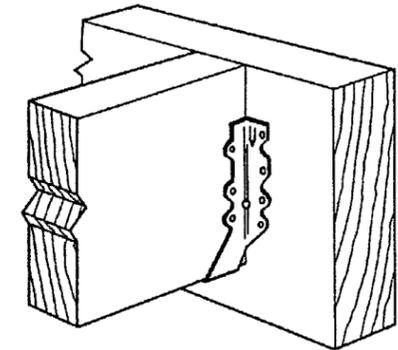
<sup>2</sup>If a joist prong is deflected or bent on a knot, install a 10d x 1<sup>1</sup>/<sub>2</sub>" nail at each prong location in addition to the prongs.



LU28  
(Except LU Roughs)



LUP210



PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No. 03-0123 OS  
Expiration Date 2/16/2008  
By: *[Signature]*  
Miami Dade Product Control  
Division

APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE *April 07, 2000*  
BY *[Signature]*  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. *00-0121-04*

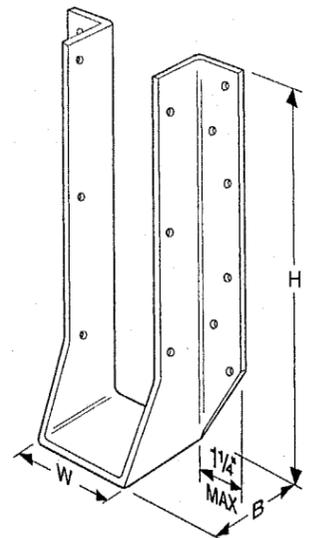
### GENERAL NOTES:

- 1) Steel shall conform to ASTM A-653 FS with  $F_{y,min} = 28$  ksi and  $F_{u,min} = 38$  ksi and have a minimum galvanized coating of G60.
- 2) Fasteners are common wire nails unless otherwise noted.
- 3) Allowable uplift loads for LU's have been increased 33% for wind loading with no other duration increases allowed.
- 4) Allowable down loads have not been increased by any duration factor.
- 5) Allowable loads are based on the National Design Specification for Wood Construction 1991 Edition & 1993 Errata, for Douglas Fir-Larch (G=0.50 or better) and tests performed in accordance with ASTM D1761.

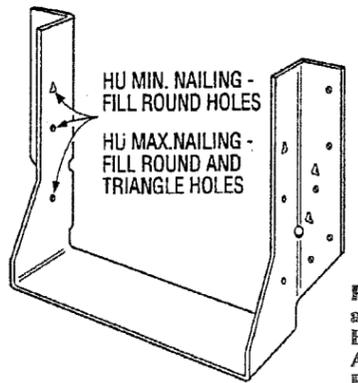
FOR OFFICE USE	SIMPSON STRONG-TIE CO., INC. 4637 Chabot Drive, Suite 200 Pleasanton, CA 94588		<i>3/22/00</i> <i>Evon M. Ballash</i>
	TITLE: LU/LUP Joist Hangers		
	Drawing No.:	Sheet No. 2/4	
	Drawing Date: 10-9-98	Revision Date: --	
	Evon M.C. Ballash, P.E. Civil #PE0051762		

# HU Joist Hangers

APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE April 27, 2000  
BY [Signature]  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 00-0121.04



HU214



HU68

PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No. 03-0122.05  
Expiration Date 2/16/2007  
By [Signature]  
Miami Dade Product Control  
Division

Model No.	Gauge	Dimensions			Fasteners <sup>1</sup>		Allowable Loads	
		W	H	B	Header	Joist	Uplift	Down
HU26	14	1 9/16	3 1/8	2 1/4	4-16d	2-10dx1 1/2	--	535
HU24-2	14	3 1/8	3 1/8	2 1/2	4-16d	2-10d	--	535
HU26-2 Min	14	3 1/8	5 3/8	2 1/2	8-16d	4-10d	--	1070
HU26-2 Max	14	3 1/8	5 3/8	2 1/2	12-16d	6-10d	905	1610
HU26-3 Min	14	4 1/16	5 1/2	2 1/2	8-16d	4-10d	--	1070
HU26-3 Max	14	4 1/16	5 1/2	2 1/2	12-16d	6-10d	905	1610
HU28	14	1 9/16	5 1/4	2 1/4	6-16d	4-10dx1 1/2	--	805
HU28-2 Min	14	3 1/8	7	2 1/2	10-16d	4-10d	--	1340
HU28-2 Max	14	3 1/8	7	2 1/2	14-16d	6-10d	905	1875
HU210	14	1 9/16	7 1/8	2 1/4	8-16d	4-10dx1 1/2	--	1070
HU210-2 Min	14	3 1/8	8 13/16	2 1/2	14-16d	6-10d	905	1875
HU210-2 Max	14	3 1/8	8 13/16	2 1/2	18-16d	10-10d	1505	2410
HU210-3 Min	14	4 1/16	8 9/16	2 1/2	14-16d	6-10d	905	1875
HU210-3 Max	14	4 1/16	8 9/16	2 1/2	18-16d	10-10d	1505	2410
HU212	14	1 9/16	9	2 1/4	10-16d	6-10dx1 1/2	720	1340
HU212-2 Min	14	3 1/8	10 9/16	2 1/2	16-16d	6-10d	905	2145
HU212-2 Max	14	3 1/8	10 9/16	2 1/2	22-16d	10-10d	1505	2950
HU212-3 Min	14	4 1/16	10 5/16	2 1/2	16-16d	6-10d	905	2145
HU212-3 Max	14	4 1/16	10 5/16	2 1/2	22-16d	10-10d	1505	2950
HU214	14	1 9/16	10 1/8	2 1/4	12-16d	6-10dx1 1/2	720	1610
HU214-2 Min	14	3 1/8	12 13/16	2 1/2	18-16d	8-10d	1205	2410
HU214-2 Max	14	3 1/8	12 13/16	2 1/2	24-16d	12-10d	1810	3215
HU214-3 Min	14	4 1/16	12 13/16	2 1/2	18-16d	8-10d	1205	2410
HU214-3 Max	14	4 1/16	12 13/16	2 1/2	24-16d	12-10d	1810	3215
HU216-2 Min	14	3 1/8	13 3/8	2 1/2	20-16d	8-10d	1205	2680
HU216-2 Max	14	3 1/8	13 3/8	2 1/2	26-16d	12-10d	1810	3485
HU216-3 Min	14	4 1/16	13 3/8	2 1/2	20-16d	8-10d	1205	2680
HU216-3 Max	14	4 1/16	13 3/8	2 1/2	26-16d	12-10d	1810	3485
HU34	14	2 9/16	3 3/8	2 1/2	4-16d	2-10dx1 1/2	--	535
HU36	14	2 9/16	5 3/8	2 1/2	8-16d	4-10dx1 1/2	--	1070
HU38	14	2 9/16	7 1/8	2 1/2	10-16d	4-10dx1 1/2	--	1340
HU310	14	2 9/16	8 1/8	2 1/2	14-16d	6-10dx1 1/2	720	1875
HU312	14	2 9/16	10 5/8	2 1/2	16-16d	6-10dx1 1/2	720	2145
HU314	14	2 9/16	12 3/8	2 1/2	18-16d	8-10dx1 1/2	960	2410
HU316	14	2 9/16	14 1/8	2 1/2	20-16d	8-10dx1 1/2	960	2680
HU44	14	3 9/16	2 1/8	2 1/2	4-16d	2-10d	--	535
HU46 Min	14	3 9/16	5 3/8	2 1/2	8-16d	4-10d	--	1070
HU46 Max	14	3 9/16	5 3/8	2 1/2	12-16d	6-10d	905	1610
HU48 Min	14	3 9/16	6 3/8	2 1/2	10-16d	4-10d	--	1340
HU48 Max	14	3 9/16	6 3/8	2 1/2	14-16d	6-10d	905	1875
HU410 Min	14	3 9/16	8 3/8	2 1/2	14-16d	6-10d	905	1875
HU410 Max	14	3 9/16	8 3/8	2 1/2	18-16d	10-10d	1505	2410
HU412 Min	14	3 9/16	10 5/8	2 1/2	16-16d	6-10d	905	2145
HU412 Max	14	3 9/16	10 5/8	2 1/2	22-16d	10-10d	1505	2950
HU414 Min	14	3 9/16	12 3/8	2 1/2	18-16d	8-10d	1205	2410
HU414 Max	14	3 9/16	12 3/8	2 1/2	24-16d	12-10d	1810	3215
HU416 Min	14	3 9/16	13 3/8	2 1/2	20-16d	8-10d	1205	2680
HU416 Max	14	3 9/16	13 3/8	2 1/2	26-16d	12-10d	1810	3485
HU66 Min	14	5 1/2	4 7/8	2 1/2	8-16d	4-16d	715	1070
HU66 Max	14	5 1/2	4 7/8	2 1/2	12-16d	6-16d	1070	1610
HU68 Min	14	5 1/2	5 3/8	2 1/2	10-16d	4-16d	715	1340
HU68 Max	14	5 1/2	5 3/8	2 1/2	14-16d	6-16d	1070	1875
HU610 Min	14	5 1/2	7 1/8	2 1/2	14-16d	6-16d	1070	1875
HU610 Max	14	5 1/2	7 1/8	2 1/2	18-16d	8-16d	1430	2410
HU612 Min	14	5 1/2	9 3/8	2 1/2	16-16d	8-16d	1070	2145
HU612 Max	14	5 1/2	9 3/8	2 1/2	22-16d	8-16d	1430	2950
HU614 Min	14	5 1/2	11 3/8	2 1/2	18-16d	8-16d	1430	2410
HU614 Max	14	5 1/2	11 3/8	2 1/2	24-16d	12-16d	2145	3215
HU616 Min	14	5 1/2	12 13/16	2 1/2	20-16d	8-16d	1430	2680
HU616 Max	14	5 1/2	12 13/16	2 1/2	26-16d	12-16d	2145	3485
HU88 Min	14	7 1/2	6 3/8	2 1/2	10-16d	4-16d	715	1340
HU88 Max	14	7 1/2	6 3/8	2 1/2	14-16d	6-16d	1070	1875
HU810 Min	14	7 1/2	8 3/8	2 1/2	14-16d	6-16d	1070	1875
HU810 Max	14	7 1/2	8 3/8	2 1/2	18-16d	8-16d	1430	2410

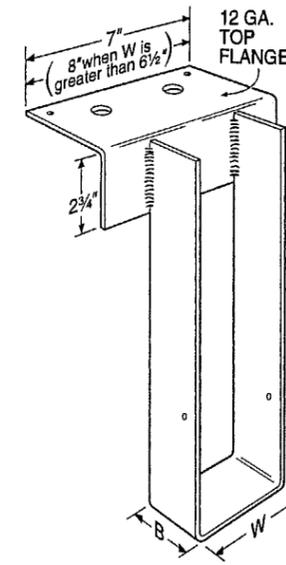
Model No.	Gauge	Dimensions			Fasteners <sup>1</sup>		Allowable Loads	
		W	H	B	Header	Joist	Uplift	Down
HU812 Min	14	7 1/2	10 1/8	2 1/2	16-16d	6-16d	1070	2145
HU812 Max	14	7 1/2	10 1/8	2 1/2	22-16d	8-16d	1430	2950
HU814 Min	14	7 1/2	11 3/8	2 1/2	18-16d	8-16d	1430	2410
HU814 Max	14	7 1/2	11 3/8	2 1/2	24-16d	12-16d	2145	3215
HU816 Min	14	7 1/2	13 3/8	2 1/2	20-16d	8-16d	1430	2680
HU816 Max	14	7 1/2	13 3/8	2 1/2	26-16d	12-16d	2145	3485
HU3.25/10.5	14	3 1/4	10 1/4	2 1/2	22-16d	10-10d	1505	2950
HU3.25/12	14	3 1/4	11 3/4	2 1/2	24-16d	12-10d	1810	3215
HU5.125/12	14	5 1/4	10 1/4	2 1/2	22-16d	8-16d	1430	2950
HU5.125/13.5	14	5 1/4	13 1/4	2 1/2	26-16d	12-16d	2145	3485
HU5.125/16	14	5 1/4	13 1/4	2 1/2	26-16d	12-16d	2145	3485
HU1.68/9 Min	14	1 11/16	8 13/16	2 1/2	14-16d	6-10dx1 1/2	720	1875
HU1.68/9 Max	14	1 11/16	8 13/16	2 1/2	18-16d	10-10dx1 1/2	1200	2410
HU1.68/11 Min	14	1 11/16	11 1/16	2 1/2	16-16d	6-10dx1 1/2	720	2145
HU1.68/11 Max	14	1 11/16	11 1/16	2 1/2	22-16d	10-10dx1 1/2	1200	2950
HU1.68/14 Min	14	1 11/16	13 1/2	2 1/2	18-16d	8-10dx1 1/2	960	2410
HU1.68/14 Max	14	1 11/16	13 1/2	2 1/2	24-16d	12-10dx1 1/2	1440	3215
HU7 Min	14	1 13/16	6 13/16	2 1/2	12-16d	4-10dx1 1/2	--	1610
HU7 Max	14	1 13/16	6 13/16	2 1/2	16-16d	8-10dx1 1/2	960	2145
HU9 Min	14	1 13/16	9 1/16	2 1/2	18-16d	6-10dx1 1/2	720	2410
HU9 Max	14	1 13/16	9 1/16	2 1/2	24-16d	10-10dx1 1/2	1200	3215
HU11 Min	14	1 13/16	11 1/16	2 1/2	22-16d	6-10dx1 1/2	720	2950
HU11 Max	14	1 13/16	11 1/16	2 1/2	30-16d	10-10dx1 1/2	1200	4020
HU14 Min	14	1 13/16	13 1/16	2 1/2	28-16d	8-10dx1 1/2	960	3780
HU14 Max	14	1 13/16	13 1/16	2 1/2	36-16d	14-10dx1 1/2	1680	4325
HU359 Min	14	2 3/8	8 13/16	2 1/2	14-16d	6-10dx1 1/2	720	1875
HU359 Max	14	2 3/8	8 13/16	2 1/2	18-16d	10-10dx1 1/2	1200	2410
HU3511 Min	14	2 3/8	11 1/16	2 1/2	16-16d	6-10dx1 1/2	720	2145
HU3511 Max	14	2 3/8	11 1/16	2 1/2	22-16d	10-10dx1 1/2	1200	2950
HU3514 Min	14	2 3/8	13 1/2	2 1/2	18-16d	8-10dx1 1/2	960	2410
HU3514 Max	14	2 3/8	13 1/2	2 1/2	24-16d	12-10dx1 1/2	1440	3215
HU3524/30 Min	14	2 3/8	18	2 1/2	18-16d	8-10dx1 1/2	960	2410
HU3524/30 Max	14	2 3/8	18	2 1/2	24-16d	14-10dx1 1/2	1680	3215

Model No.	Gauge	Dimensions			Fasteners <sup>1</sup>		Allowable Loads	
		W	H	B	Header	Joist	Uplift	Down
HU2.75/10 Min	14	2 3/4	9	2 1/2	14-16d	6-10dx1 1/2	720	1875
HU2.75/10 Max	14	2 3/4	9	2 1/2	18-16d	10-10dx1 1/2	1200	2410
HU2.75/12 Min	14	2 3/4	10 1/4	2 1/2	16-16d	6-10dx1 1/2	720	2145
HU2.75/12 Max	14	2 3/4	10 1/4	2 1/2	22-16d	10-10dx1 1/2	1200	2950
HU2.75/14 Min	14	2 3/4	13	2 1/2	18-16d	8-10dx1 1/2	960	2410
HU2.75/14 Max	14	2 3/4	13	2 1/2	24-16d	14-10dx1 1/2	1680	3215
HU2.75/16 Min	14	2 3/4	14 1/16	2 1/2	20-16d	8-10dx1 1/2	960	2680
HU2.75/16 Max	14	2 3/4	14 1/16	2 1/2	26-16d	14-10dx1 1/2	1680	3485
HU3.31/9 Min	14	3 5/16	8 13/16	2 1/2	14-16d	6-10d	905	1875
HU3.31/9 Max	14	3 5/16	8 13/16	2 1/2	18-16d	10-10d	1505	2410
HU3.31/11 Min	14	3 5/16	10 7/16	2 1/2	16-16d	6-10d	905	2145
HU3.31/11 Max	14	3 5/16	10 7/16	2 1/2	22-16d	10-10d	1505	2950
HU3.31/14 Min	14	3 5/16	13 3/4	2 1/2	20-16d	8-10d	1205	2680
HU3.31/14 Max	14	3 5/16	13 3/4	2 1/2	26-16d	12-10d	1810	3485
HU3514-2	14	4 3/4	13 1/4	2 1/2	18-16d	8-10d	1205	2410
HU3516-2 Min	14	4 3/4	15 1/4	2 1/2	20-16d	8-10d	1205	2680
HU3516-2 Max	14	4 3/4	15 1/4	2 1/2	26-16d	12-10d	1810	3485
HU3520-2 Min	14	4 3/4	18 1/4	2 1/2	20-16d	8-10d	1205	2680
HU3520-2 Max	14	4 3/4	18 1/4	2 1/2	26-16d	12-10d	1810	3485
HU310-2	14	5 1/8	8 1/8	2 1/2	14-16d	6-10d	905	1875
HU312-2	14	5 1/8	10 5/8	2 1/2	16-16d	6-10d	905	2145
HU5.31/9 Min	14	5 1/16	7 3/4	2 1/2	14-16d	6-16d	1070	1875
HU5.31/9 Max	14	5 1/16	7 3/4	2 1/2	18-16d	8-16d	1430	241

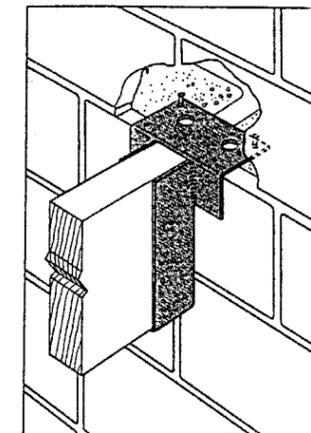
## WM Masonry Hangers

APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE April 27, 2000  
BY [Signature]  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 00-012.04

Model No. <sup>1,2,3,4</sup>	Dimension		Fasteners		Allowable Download
	W	B	Block	Joist	
WM	1 9/16	4 1/2	2-16d Duplex	(2) 10d x 1 1/2	3300
	1 11/16	4 1/2	2-16d Duplex	(2) 10d x 1 1/2	3300
	1 13/16	4 1/2	2-16d Duplex	(2) 10d x 1 1/2	3300
	2 5/16	3	2-16d Duplex	(2) 10d x 1 1/2	3300
	2 9/16	3	2-16d Duplex	(2) 10d x 1 1/2	3300
	2 11/16	2 1/2	2-16d Duplex	(2) 10d x 1 1/2	3300
	2 3/4	2 1/2	2-16d Duplex	(2) 10d x 1 1/2	3300
	3 1/8	2 1/2	2-16d Duplex	(2) 10d	3300
	3 5/16	2 1/2	2-16d Duplex	(2) 10d	3300
	3 9/16	2 1/2	2-16d Duplex	(2) 10d	3300
	4 3/4	2 1/2	2-16d Duplex	(2) 10d	3300
	5 1/2	2 1/2	2-16d Duplex	(2) 10d	3300
	5 5/16	2 1/2	2-16d Duplex	(2) 10d	3300
	7 1/8	2 1/2	2-16d Duplex	(2) 10d	3300



WM



Typical WM Installation

<sup>1</sup>Specify H dimension according to joist size.

<sup>2</sup>Embed into block with a minimum of one course above and one course below the top flange.

<sup>3</sup>Embed (1) #5 vertical rebar 16" long into each cell adjacent to the WM.

<sup>4</sup>Blocks shall be fully grouted with 2000 psi concrete.

PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No. 03-0123.05  
Expiration Date 2/16/2008  
By [Signature]  
Miami Dade Product Control  
Division

- 1) Steel shall conform to ASTM A-570 Grade 33 with  $F_{y,min} = 33$  ksi and  $F_{u,min} = 52$  ksi and have a minimum post-hot-dipped galvanized coating of not less than 0.3 ounces of zinc per square foot of surface per side.
- 2) Fasteners are common wire nails unless otherwise noted.
- 3) Allowable down loads have not been increased by any duration factor.
- 4) Allowable loads are based on the National Design Specification for Wood Construction 1991 Edition & 1993 Errata, for Douglas Fir-Larch (G=0.50 or better) and tests performed in accordance with ASTM D1761.

FOR OFFICE USE	<p style="font-size: 1.2em; margin: 0;">SIMPSON STRONG-TIE CO., INC.</p> <p style="margin: 0;">4637 Chabot Drive, Suite 200 Pleasanton, CA 94588</p>	<p style="margin: 0;">3/22/00</p> <p style="margin: 0; font-family: cursive;">Evon M. Ballash</p>
	TITLE: WM Masonry Joist Hangers	
	Drawing No.: _____	Sheet No.: 4/4
	Drawing Date: 10-9-98	Revision Date: --
	Evon M.C. Ballash, P.E. Civil #PE0051762	