



MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING

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

PRODUCT CONTROL NOTICE OF ACCEPTANCE

Simpson Strong Tie Company, Inc.
4637 Chabot Drive
Pledsanton CA 94588

CONTRACTOR LICENSING SECTION
(305) 375-2527 FAX (305) 375-2558

CONTRACTOR ENFORCEMENT SECTION
(305) 375-2966 FAX (305) 375-2908

PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 372-6339

Your application for Product Approval of:

Joist Hangers

under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This approval shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at anytime from a jobsite or manufacturer's plant for quality control testing.

If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

Acceptance No.: 00-0121.04 (Revises No.: 98-1021.01)

Expires: 02/16/2003

Raul Rodriguez
Chief Product Control Division

THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL CONDITIONS

BUILDING CODE & PRODUCT REVIEW COMMITTEE

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.
Director

Miami-Dade County
Building Code Compliance Office

Approved: 04/07/2000



Simpson Strong-Tie Co., Inc.

ACCEPTANCE NO: 00-0121.04

APPROVED : APR 07 2000

EXPIRES : 02/16/2003

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

1.1 This renews and revises the Notice of Acceptance No. 98-1021.01, which was issued on 02/18/1999. It approves wood connectors; as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code (SFBC), 1994 Edition for Miami-Dade County. For the locations where the actual loads as determined by SFBC Chapter 23, do not exceed the design load indicated in the approved drawings.

2. PRODUCT DESCRIPTION

2.1 The **Simpson Strong-Tie Wood Connectors** shall be fabricated and used in strict compliance with the following documents: Drawing with no number and sheets 1 through 4 of 4, titled "U Joist Hangers, LU/LUP Joist Hangers, HU Joist Hangers and WM Masonry Joist Hangers", prepared by Simpson Strong-Tie Co., Inc., dated 10/09/98 with no revisions. The drawings shall bear the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade Product Control Division. These documents shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS

3.1 Allowable loads are for Douglas Fir-Larch or better with a specific gravity of 0.50 and moisture content of 19% or less.

3.2 Allowable loads are based on testing per ASTM D1761 and calculations per National Design Specifications for Wood Construction 1991 Edition & 1993 Errata.

4. INSTALLATION

4.1 The wood connectors shall be installed in strict compliance with the approved drawings.

5. LABELING

5.1 Each wood connector shall bear a permanent label with the manufacturer's name or logo, city, state and the following statement: "Miami-Dade County Product Control Approved".

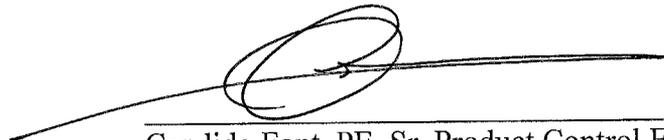
6. BUILDING PERMIT

6.1 Application for Building Permit shall be accompanied by copies of the following:

6.1.1 This Notice of Acceptance

6.1.2 Duplicate copies of the approved drawings as identified in Section 2 of this Notice of Acceptance, clearly marked to show the hangers and angles selected for the proposed installation.

6.1.3 Any other document required by the Building Official or the SFBC in order to properly evaluate the installation of these products.



Candido Font, PE, Sr. Product Control Examiner
Product Control Division

Simpson Strong-Tie Co., Inc.

ACCEPTANCE NO.: 00-0121.04

APPROVED

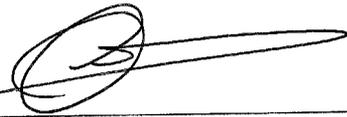
APR 07 2000

EXPIRES

: 02/16/2003

NOTICE OF ACCEPTANCE STANDARD CONDITIONS

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
 - a) There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes;
 - b) The product is no longer the same product (identical) as the one originally approved;
 - c) If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product;
 - d) The engineer who originally prepared, signed and sealed the required documentation initially submitted is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
 - a) Unsatisfactory performance of this product or process.
 - b) Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purpose.
6. The Notice of Acceptance 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 Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer need not reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.

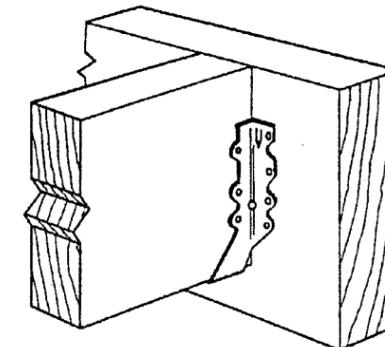
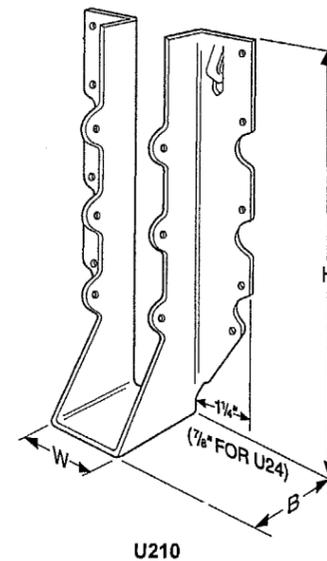

Candido Font, PE, Sr. Product Control Examiner
Product Control Division

END OF THIS ACCEPTANCE

U Joist Hangers

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

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



Typical
Installation

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 APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE DATE <u>April 27, 2000</u> BY <u>[Signature]</u> PRODUCT CONTROL DIVISION BUILDING CODE COMPLIANCE OFFICE ACCEPTANCE NO. <u>00-0121.04</u>	SIMPSON STRONG-TIE CO., INC. 4637 Chabot Drive, Suite 200 Pleasanton, CA 94588 U Joist Hangers Drawing No. _____ Sheet No. <u>1/4</u> Drawing Date: <u>10-9-98</u> Revision Date: <u>--</u> Evon M.C. Ballash, P.E. Civil #PE0051762	11/4/2000 Evon M. Ballash
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LU/LUP Joist Hangers

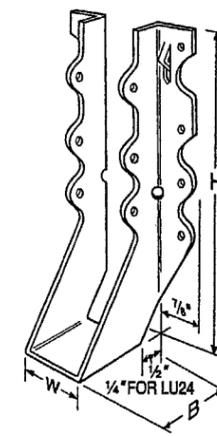
Model No.	Gauge	Dimensions			Fasteners ¹			Allowable Loads		
		W	H	B	Header		Joist	Uplift	Down	
					10d	16d			10d	16d
LU24	20	1 ⁹ / ₁₆	3 ¹ / ₈	1 ¹ / ₂	4-10d	4-16d	2-10dx1 ¹ / ₂	--	445	530
LU24R	20	2	2 ¹³ / ₁₆	1 ¹ / ₂	--	4-16d	2-10dx1 ¹ / ₂	--	--	530
LU26	20	1 ⁹ / ₁₆	4 ³ / ₄	1 ¹ / ₂	6-10d	6-16d	4-10dx1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

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

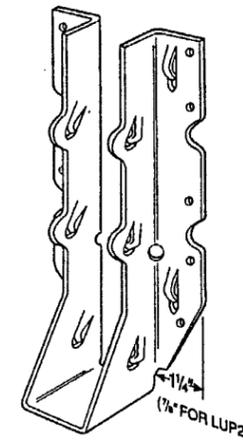
Model No.	Gauge	Dimensions			Fasteners ¹			Allowable Down Loads	
		W	H	B	Header		Joist ²	10d	16d
					10d	16d			
LUP24	18	1 ⁹ / ₁₆	3 ¹ / ₈	1 ¹ / ₂	4-10d	4-16d	2-Prong	445	530
LUP26	18	1 ⁹ / ₁₆	4 ³ / ₄	2	6-10d	6-16d	4-Prong	665	800
LUP28	18	1 ⁹ / ₁₆	6 ⁵ / ₈	2	8-10d	8-16d	6-Prong	890	1065
LUP210	18	1 ⁹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

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

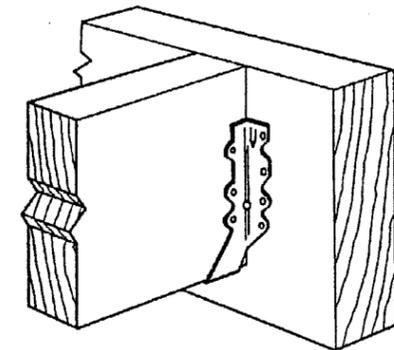
²If a joist prong is deflected or bent on a knot, install a 10d x 1¹/₂" nail at each prong location in addition to the prongs.



LU28
(Except LU Roughs)



LUP210



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		3/22/00 <u>Evon M. C. Ballash</u>
	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

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

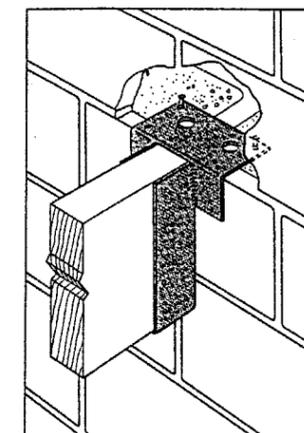
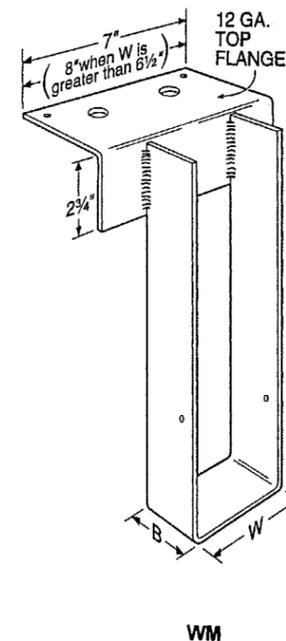
Model No.	Gauge	Dimensions			Fasteners ¹		Allowable Loads	
		W	H	B	Header	Joist	Uplift	Down
HU812 Min	14	7 1/2	10 1/8	2 1/2	16-16d	6-16d	1070	2145
HU812 Max	14	7 1/2	10 1/8	2 1/2	22-16d	8-16d	1430	2950
HU814 Min	14	7 1/2	11 1/8	2 1/2	18-16d	8-16d	1430	2410
HU814 Max	14	7 1/2	11 1/8	2 1/2	24-16d	12-16d	2145	3215
HU816 Min	14	7 1/2	13 9/16	2 1/2	20-16d	8-16d	1430	2680
HU816 Max	14	7 1/2	13 9/16	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 3/4	2 1/2	26-16d	12-16d	2145	3485
HU5.125/16	14	5 1/4	13 3/8	2 1/2	26-16d	12-16d	2145	3485
HU1.68/9 Min	14	1 11/16	8 15/16	2 1/2	14-16d	6-10dx1 1/2	720	1875
HU1.68/9 Max	14	1 11/16	8 15/16	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 11/16	2 1/2	12-16d	4-10dx1 1/2	--	1610
HU7 Max	14	1 13/16	6 11/16	2 1/2	16-16d	8-10dx1 1/2	960	2145
HU9 Min	14	1 13/16	8 15/16	2 1/2	18-16d	6-10dx1 1/2	720	2410
HU9 Max	14	1 13/16	8 15/16	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 11/16	2 1/2	28-16d	8-10dx1 1/2	960	3750
HU14 Max	14	1 13/16	13 11/16	2 1/2	36-16d	14-10dx1 1/2	1680	4325
HU359 Min	14	2 3/8	8 15/16	2 1/2	14-16d	6-10dx1 1/2	720	1875
HU359 Max	14	2 3/8	8 15/16	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 3/8	2 1/2	18-16d	8-10dx1 1/2	960	2410
HU3514 Max	14	2 3/8	13 3/8	2 1/2	24-16d	12-10dx1 1/2	1440	3215
HU3524/30 Min	14	2 9/16	18	2 1/2	18-16d	8-10dx1 1/2	960	2410
HU3524/30 Max	14	2 9/16	18	2 1/2	24-16d	14-10dx1 1/2	1680	3215

Model No.	Gauge	Dimensions			Fasteners ¹		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 3/4	2 1/2	16-16d	6-10dx1 1/2	720	2145
HU2.75/12 Max	14	2 3/4	10 3/4	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 3/16	8 11/16	2 1/2	14-16d	6-10d	905	1875
HU3.31/9 Max	14	3 3/16	8 11/16	2 1/2	18-16d	10-10d	1505	2410
HU3.31/11 Min	14	3 3/16	10 7/16	2 1/2	16-16d	6-10d	905	2145
HU3.31/11 Max	14	3 3/16	10 7/16	2 1/2	22-16d	10-10d	1505	2950
HU3.31/14 Min	14	3 3/16	13 3/4	2 1/2	20-16d	8-10d	1205	2680
HU3.31/14 Max	14	3 3/16	13 3/4	2 1/2	26-16d	12-10d	1810	3485
HU3514-2	14	4 1/4	13 1/4	2 1/2	18-16d	8-10d	1205	2410
HU3516-2 Min	14	4 1/4	15 1/4	2 1/2	20-16d	8-10d	1205	2680
HU3516-2 Max	14	4 1/4	15 1/4	2 1/2	26-16d	12-10d	1810	3485
HU3520-2 Min	14	4 1/4	19 1/4	2 1/2	20-16d	8-10d	1205	2680
HU3520-2 Max	14	4 1/4	19 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	18-16d	6-10d	905	2145
HU5.31/9 Min	14	5 3/16	7 3/4	2 1/2	14-16d	6-16d	1070	1875
HU5.31/9 Max	14	5 3/16	7 3/4	2 1/2	18-16d	8-16d	1430	2410
HU5.31/11 Min	14	5 3/16	9 1/16	2 1/2	16-16d	6-16d	1070	2145
HU5.31/11 Max	14	5 3/16	9 1/16	2 1/2	22-16d	8-16d	1430	2950
HU5.31/14 Min	14	5 3/16	11 11/16	2 1/2	18-16d	8-16d	1430	2410
HU5.31/14 Max</								

WM Masonry Hangers

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

Model No. ^{1,2,3,4}	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



¹Specify H dimension according to joist size.

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

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

⁴Blocks shall be fully grouted with 2000 psi concrete.

- 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	SIMPSON STRONG-TIE CO., INC. 4637 Chabot Drive, Suite 200 Pleasanton, CA 94588	3/22/00 <i>Evon M. Ballash</i>
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		