



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

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1107
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908
www.buildingcodeonline.com

NOTICE OF ACCEPTANCE (NOA)

**United Steel Products Company.
14305 Southcross Drive # 200.
Burnsville, MN 55306**

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 Florida Building Code including the High velocity Hurricane Zone.

DESCRIPTION: JL, JUS, SKH & HJC Joist Hangers.

APPROVAL DOCUMENT: Drawing No. MD0207, titled "Face Mount Joist Hanger" prepared by United Steel Products Company, sheets 1 and 2 of 2, dated 02/07/07, with no revisions, signed and sealed by Robert W. Lutz, P.E., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance 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 or MDCPCA", 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 # 06-0601.03** and consists of this page 1, evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



**NOA No: 07-0214.20
Expiration Date: June 04, 2011
Approval Date: May 31, 2007
Page 1**

United Steel Products Company.

NOTICE OF ACCEPTANCE: EVIDENCE PAGE

A DRAWINGS

1. Drawing No. MD0207, titled "Face Mount Joist Hanger" prepared by United Steel Products Co., sheets 1 and 2 of 2, dated 02/07/07, with no revisions, signed and sealed by Robert W. Lutz, P.E.

B TEST

Test reports on wood connectors per ASTM D1761-88 by Product Testing, Inc., signed and sealed by C. R. Caudel, P.E.

	Report No.	Wood Connector	Direction	Date
1.	06-6047	JUS24	Upward & Down	10/09/06
2.	06-6048	JUS26	Upward & Down	10/12/06
3.	06-6049	JUS28	Upward & Down	10/17/06
4.	06-6050	JUS210	Upward & Down	10/20/06
5.	06-6062	JL24	Upward & Down	10/30/06
6.	06-6063	JL26	Upward & Down	11/01/06
7.	06-6064	JL28	Upward & Down	11/03/06
8.	06-6065	JL210	Upward & Down	11/06/06
9.	06-6066	SKH26	Upward & Down	11/13/06
10.	06-6067	HJC26	Upward & Down	11/22/06
11.	06-6068	HJC28	Upward & Down	12/01/06

C CALCULATIONS

1. Face Mount Hangers Series Calculations prepared by United Steel Products Co., signed and sealed by Robert W. Lutz, P.E.

D STATEMENTS

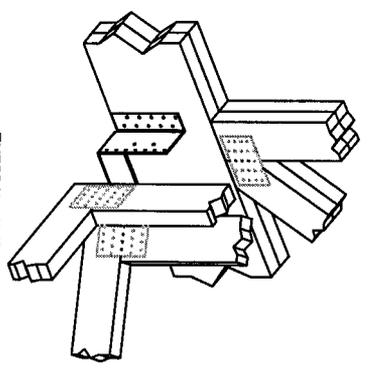
1. No Financial Interest Letter issued by United Steel Products Co., dated January 26, 2007, signed by Robert W. Lutz, P.E.
2. Letter of Code Compliance issued by United Steel Products Co., dated January 26, 2007, signed and sealed by Robert W. Lutz, P.E.
3. NOA Renewal Request Letter issued by United Steel Products Co., dated February 2, 2007, signed by Robert W. Lutz, P.E.
4. Code Compliance Letters issued by Product Testing, Inc., signed and sealed by C. R. Caudel, P.E.



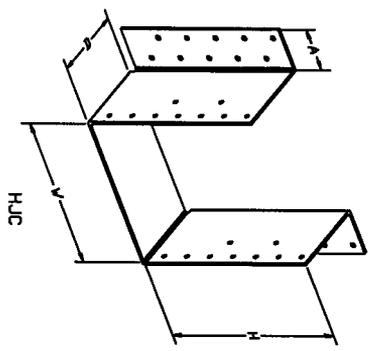
Carlos M. Utrera, P.E.
Product Control Examiner
NOA No 07-0214.20
Expiration Date: June 04, 2011
Approval Date: May 31, 2007

PRODUCT CODE	GAUGE	DIMENSION	W	H	D	A	HEADER	JOIST	ALLOWABLE LOADS		
									DOWN	UPLIFT (160%)	
HUC26	12	5 7/8	3 5/8	3 1/4	3/4	(16)	16d	(12)	10d	2020	1975
HUC28	12	5 7/8	6 3/4	3 1/4	3/4	(20)	16d	(14)	10d	3220	2010

- PUBLISHED LOAD IS FOR TOTAL OF HIP AT 45 DEGREES AND JACK AT 90 DEGREES COMBINED.
- MINIMUM HEADER THICKNESS SHALL BE 2 INCHES FOR 16D NAILS.
- ALLOWABLE DOWN LOAD LISTED IS AT 100% DURATION OF LOAD.



TYPICAL HUC INSTALLATION



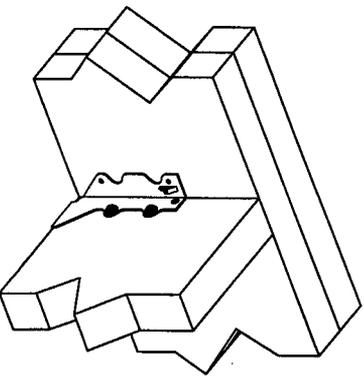
HUC

GENERAL NOTES:

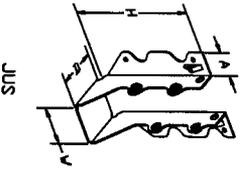
- STEEL SHALL CONFORM TO ASTM A659, STRUCTURAL GRADE 39, UNDR AND A MINIMUM GALVANIZED COATING OF G-90.
- FASTENERS ARE COMMON WIRE NAILS UNLESS OTHERWISE NOTED.
- ALLOWABLE UPLIFT LOADS HAVE BEEN INCREASED BY A SHORT TERM DURATION FACTOR OF 60% FOR WIND LOAD CONDITION.
- ALLOWABLE DOWN LOADS ARE NOT INCREASED BY SHORT TERM DURATION FACTOR.
- ALLOWABLE LOADS ARE BASED ON THE NATIONAL DESIGN SPECIFICATIONS FOR WOODS CONSTRUCTION 2001 EDITION IN ACCORDANCE WITH ASTM D1761.
- LUMBER SPECIES IS SOUTHERN PINE.

PRODUCT CODE	GAUGE	DIMENSION				FASTENERS		ALLOWABLE LOADS	
		W	H	D	A	HEADER	JOIST	DOWN	UPLIFT (160%)
JUS24	18	1 9/16	3 1/8	1 3/4	1	(4) 10d	(2) 10d	745	N/A
JUS26	18	1 9/16	4 13/16	1 3/4	1	(4) 10d	(4) 10d	990	1040
JUS28	18	1 9/16	6 11/16	1 3/4	1	(6) 10d	(4) 10d	1240	1160
JUS210	18	1 9/16	7 13/16	1 3/4	1	(8) 10d	(4) 10d	1490	1115

- Specified joist nails shall be installed at 30 to 45 degrees horizontally such that they penetrate through the end of the joist and into the header.
- Minimum header thickness shall be 1 3/4 inches for 10d nails.
- Allowable DOWN load listed is at 100% Duration of load.
- Uplift Load listed as N/A had uplift capacity less than the required 700 pounds.



TYPICAL JUS INSTALLATION



JUS

Robert W. Lutz
 FEB 07

UNITED STEEL PRODUCTS COMPANY
 703 ROGERS DRIVE, MONTGOMERY, MN 56069 PHONE (507) 364-7333

NAME: **FACE MOUNT JOIST HANGER**

DATE: 02/07/07

ROBERT W. LUTZ
 PROFESSIONAL ENGINEER (STRUCTURAL)
 FLORIDA REG. NO. 55409

SHEET: 1 OF 2

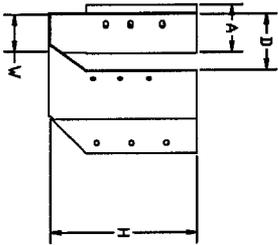
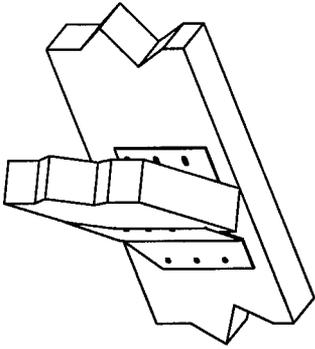
DRAWING # : MD0207

MDADE

PROJECT REVIEWED
 as complying with the Florida
 Building Code
 Approved No. 02-0214-20
 Approved Date 02/04/2011
 By *[Signature]*
 Member of the Florida Building Code
 Division

PRODUCT CODE	GAUGE	DIMENSION				FASTENERS		ALLOWABLE LOADS	
		W	H	D	A	HEADER	JOIST	DOWN	UPLIFT (160%)
SKH26	16	1 9/16	5 1/4	1 7/8	3/16	(6) 16d	(6) 10d x 1 1/2	900	870

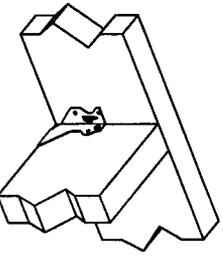
1. Miter cut required on end of joist to achieve allowable loads.
2. Minimum header thickness shall be 2 inches for 16d nails.
3. Allowable DDVN load listed is at 100% Duration of load.
4. SKH26 is skewed Right and Left.



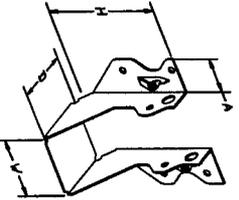
TYPICAL SKH26 INSTALLATION

PRODUCT CODE	GAUGE	DIMENSION				FASTENERS		ALLOWABLE LOADS	
		W	H	D	A	HEADER	JOIST	DOWN	UPLIFT (160%)
JL24	20	1 9/16	3	1 1/2	15/16	(4) 10d	(2) 8d x 1 1/2	490	N/A
JL26	20	1 9/16	4 3/4	1 1/2	15/16	(6) 10d	(4) 8d x 1 1/2	740	700
JL28	20	1 9/16	6 3/8	1 1/2	15/16	(10) 10d	(6) 8d x 1 1/2	1230	940
JL210	20	1 9/16	8 1/4	1 1/2	15/16	(14) 10d	(8) 8d x 1 1/2	1720	1170

1. Minimum header thickness shall be 1 3/4 inches for 10d nails and 2 inches for 16d nails.
2. Allowable DDVN load listed is at 100% Duration of load.
3. Uplift Load listed as N/A had uplift capacity less than the required 700 pounds.



TYPICAL JL26-2 INSTALLATION



JL26-2

- GENERAL NOTES:
1. STEEL SHALL CONFORM TO ASTM A653, STRUCTURAL GRADE 33, UDN AND A MINIMUM GALVANIZED COATING OF G-90.
 2. FASTENERS ARE COMMON WIRE NAILS UNLESS OTHERWISE NOTED.
 3. ALLOWABLE UPLIFT LOADS HAVE BEEN INCREASED BY A SHORT TERM DURATION FACTOR OF 60% FOR WIND LOAD CONDITION.
 4. ALLOWABLE DOWN LOADS ARE INCREASED BY SHORT TERM DURATION FACTOR.
 5. ALLOWABLE LOADS ARE BASED ON THE NATIONAL DESIGN SPECIFICATIONS FOR WOODS CONSTRUCTION 2001 EDITION IN ACCORDANCE WITH ASTM D1761.
 6. LUMBER SPECIES IS SOUTHERN PINE.

PRODUCT REMOVED
 as specified with the attached
 Building Code
 A copy is on file 07-0214-20
 Installation by 07-0214-20
 07/02/07
 Robert W. Lutz
 Professional Engineer
 Florida Registered Professional Engineer
 No. 12345

Robert W. Lutz
 07 FEB 07

UNITED STEEL PRODUCTS COMPANY
 703 ROGERS DRIVE, MONTGOMERY, MN 55069 PHONE (507) 364-7333

NAME: FACE MOUNT JOIST HANGER
 DATE: 02/07/07
 SHEET: 2 OF 2
 DRAWING #: MD0207
 MDADE

ROBERT W. LUTZ
 PROFESSIONAL ENGINEER (STRUCTURAL)
 FLORIDA REG. NO. 55409