MIAMI-DADE COUNTY
BUILDING AND NEIGHBORHOOD COMPLIANCE DEPARTMENT (BNC)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/building

NOTICE OF ACCEPTANCE (NOA)

United Steel Products Company
14305 Southcross Drive, Suite 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 and accepted by Miami-Dade County BNC -Product Control Section 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 Section (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. BNC reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section 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: Series HJC, JUS, SKH & JL Steel Wood Connectors and Anchors

APPROVAL DOCUMENT: Drawing No. **MD-HJC-JUS-SKH-JL**, titled **"Face Mount Hangers"** prepared by United Steel Products Company, sheets 1 and 2 of 2, dated 03/28/11, signed and sealed by Steven A. Brekke, 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 Section.

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 # 07-0214.20** and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

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

MIAMI-DADE COUNTY APPROVED

07/11/11

NOA No. 11-0510.01
Expiration Date: June 04, 2016
Approval Date: July 21, 2011

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **MD-HJC-JUS-SKH-JL**, titled **"Face Mount Hangers"** prepared by United Steel Products Company, sheets 1 and 2 of 2, dated 03/28/11, signed and sealed by Steven A. Brekke, P.E.

B. TESTS *"Submitted under NOA # 07-0214.20"*

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

	Test 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

B. CALCULATIONS

1. Product evaluation documents, prepared by United Steel Products Company, dated 03/10/11 and 03/23/11, signed and sealed by Steven A. Brekke, P.E.

D. QUALITY ASSURANCE

1. Miami-Dade Building and Neighborhood Compliance Department (BNC)

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of code conformance to 2007 FBC, issued by United Steel Products Company, dated 03/29/11, signed and sealed by Steven A. Brekke, P.E.
2. Statement letter of no financial interest, issued by United Steel Products Company, dated 03/29/11, signed and sealed by Steven A. Brekke, P.E.

07/11/11

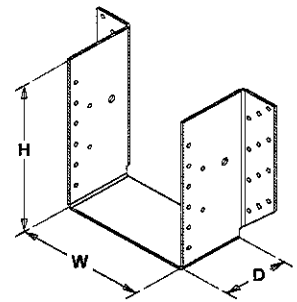
Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 11-0510.01
Expiration Date: June 04, 2016
Approval Date: July 21, 2011

HJC HIP/JACK ALLOWABLE LOADS

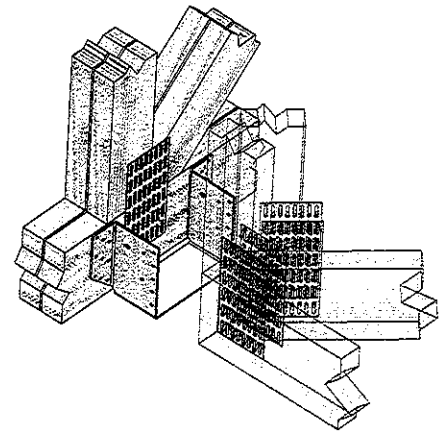
STOCK NUMBER	STEEL GAGE	DIMENSIONS (inches)			FASTENER SCHEDULE [1,5]					SP ALLOWABLE LOADS (lbs) [3,4]			
							Carried Trusses						
					Carrying Truss		Jack	Hip		Download [2]			Uplift [2]
		W	H	D	Qty	Type	Qty	Qty	Type	$C_D = 1.0$	$C_D = 1.15$	$C_D = 1.25$	$C_D = 1.6$
HJC26	12	6	$5^3/_8$	$3^1/_4$	16	16d Common	7	5	10d Common	2090	2090	2090	2005
HJC28	12	6	$7^1/_8$	$3^1/_4$	20	16d Common	8	6	10d Common	3220	3705	3985	2010

FOR SI: 1 inch = 25.4 mm, 1 lbf = 4.45 N, 1 psi = 6.89 kPa

[1]A 10d Common Nail is a nail with a diameter of 0.148" and length of 3".
A 16d Common Nail is a nail with a diameter of 0.162" and a length of $3^1/_2$".
[2]Loads have been increased as shown in accordance with code.
15% and 25% for snow and construction loads. No further increase is permitted.
60% for wind or seismic loading. No further increase is permitted.
[3]The lumber species is Southern Pine
[4]The published load is for the total of the hip at 45 degrees and jack at 90 degrees combined.
[5]The minimum header thickness shall be 2 inches for the 16d common nails.



HJC



TYPICAL HJC INSTALLATION

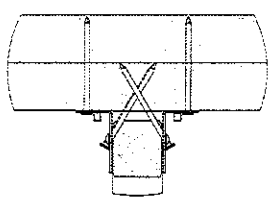
JUS SLANT NAIL JOIST HANGER ALLOWABLE LOADS

STOCK NUMBER	STEEL GAGE	DIMENSIONS (inches)				FASTENER SCHEDULE [1,2]				SP ALLOWABLE LOADS (lbs.) [4]			
						Header		Joist		Download [3]			Uplift [3,5]
		W	H	D	A	Qty	Type	Qty	Type	$C_D = 1.0$	$C_D = 1.15$	$C_D = 1.25$	$C_D = 1.6$
JUS24	18	$1^9/_{16}$	$3^1/_8$	$1^3/_4$	1	4	10d Common	2	10d Common	710	815	890	N/A
JUS26	18	$1^9/_{16}$	$4^{13}/_{16}$	$1^3/_4$	1	4	10d Common	4	10d Common	925	1065	1080	1040
JUS28	18	$1^9/_{16}$	$6^5/_8$	$1^3/_4$	1	6	10d Common	4	10d Common	1170	1350	1465	1160
JUS210	18	$1^9/_{16}$	$7^3/_4$	$1^3/_4$	1	8	10d Common	4	10d Common	1420	1635	1700	1115

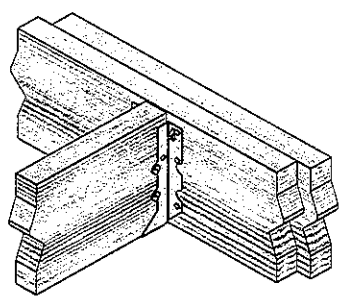
For SI: 1 inch = 25.4 mm, 1 lbf = 4.45 N, 1 psi = 6.89 kPa

[1]A 10d Common nails is 3 inches long and 0.148 inches in diamater
[2]The 10d Common Nails nails driven into the joist shall be installed at 30 to 45 degrees horizontally toward the header.
[3]Loads have been increased as shown in accordance with code.
15% and 25% for snow and construction loads. No further increase is permitted.
60% for wind or seismic loading. No further increase is permitted.
[4]The lumber species is Southern Pine
[5]Uplift loads for connectors listed as N/A had an uplift capacity less than the required 700 pounds.

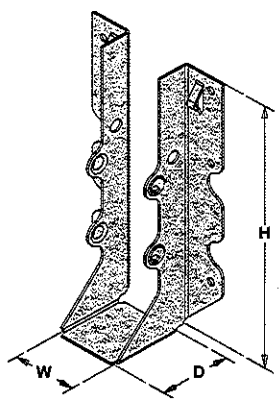
PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 11-0510.01
Expiration Date 06/04/2016
By
Miami Dade Product Control



SLANT NAIL DETAIL



TYPICAL JUS INSTALLATION



JUS

Steven A. Brekke
3/28/11

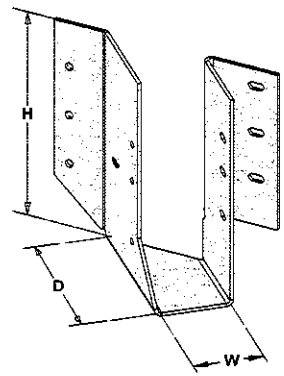
UNITED STEEL PRODUCTS COMPANY 14305 SOUTHCROSS DRIVE - SUITE 200 BURNSVILLE, MN 55306 PH: 800-328-5934	
NAME:	FACE MOUNT HANGERS HJC JUS
DATE: 3/28/2011	STEVEN A. BREKKE PROFESSIONAL ENGINEER LICENSE NO. 70432
SHEET: 1 OF 2	DRAWING NO.: MD-HJC-JUS

SKH SKEWED HANGER ALLOWABLE LOADS

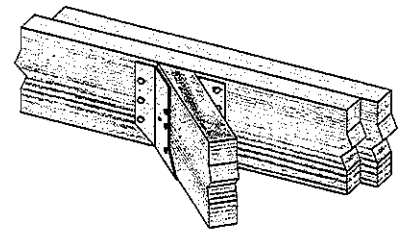
STOCK NUMBER	STEEL GAGE	DIMENSIONS (inches)			FASTENER SCHEDULE [1]				SP ALLOWABLE LOADS (lbs) [3]			
					Header		Joist		Download [2]			Uplift [2]
		W	H	D	Face	Type	Qty	Type	$C_D = 1.0$	$C_D = 1.15$	$C_D = 1.25$	$C_D = 1.6$
SKH26L/R	16	$1^9/_{16}$	$5^1/_4$	$1^7/_8$	6	16d Common	6	10dx1-1/2	895	1030	1120	870

For SI: 1 inch = 25.4 mm, 1 psi = 6.89 kPa, 1 lbf = 4.45 N

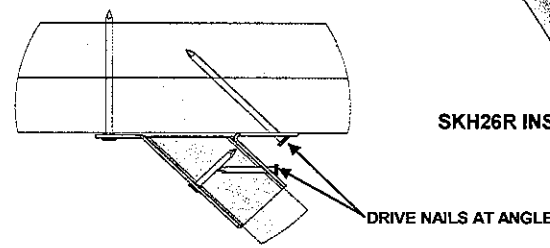
[1]A 10dx1-1/2" Common nails is $1^1/_2$ inches long and 0.148 inches in diameter
The 16d Common nail is 0.162 inches in diameter by $3^1/_2$ inches long.
[2]Loads have been increased as shown in accordance with code.
15% and 25% for snow and construction loads. No further increase is permitted.
60% for wind or seismic loading. No further increase is permitted.
[3]The lumber species is Southern Pine



SKH



SKH26R INSTALLATION



SKH26R INSTALLATION
TOP VIEW

JL JOIST HANGER ALLOWABLE LOADS

STOCK NUMBER	STEEL GAGE	DIMENSIONS (inches)			FASTENER SCHEDULE [1]				ALLOWABLE LOADS (lbs) [3]			
					Header		Joist		Download [2]			Uplift [2,4]
		W	H	D	Qty	Type	Qty	Type	$C_D = 1.0$	$C_D = 1.15$	$C_D = 1.25$	$C_D = 1.6$
JL24	20	$1^9/_{16}$	3	$1^1/_2$	4	10d Common	2	$10dx1^1/_2$	490	565	615	N/A
JL26	20	$1^9/_{16}$	$4^3/_4$	$1^1/_2$	6	10d Common	4	$10dx1^1/_2$	740	850	925	700
JL28	20	$1^9/_{16}$	$6^3/_8$	$1^1/_2$	10	10d Common	6	$10dx1^1/_2$	1230	1415	1515	940
JL210	20	$1^9/_{16}$	$8^1/_4$	$1^1/_2$	14	10d Common	8	$10dx1^1/_2$	1720	1980	2070	1170

For SI: 1 inch = 25.4 mm, 1 lbf = 4.45 N, 1 psi = 6.89 kPa.

[1]A 10d Common nail is 3 inches long and 0.148 inches in diameter
A $10dx1^1/_2$ nail is $1^1/_2$ inches long and 0.148 inches in diameter
[2]Loads have been increased as shown in accordance with code.
15% and 25% for snow and construction loads. No further increase is permitted.
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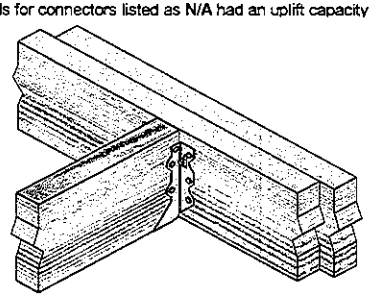
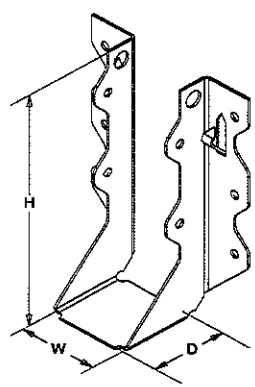


TYPICAL JL INSTALLATION



JL

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