



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

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

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

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

PRODUCT CONTROL NOTICE OF ACCEPTANCE

United Steel Products Company
703 Rogers Drive (P. O. Box 80)
Montgomery, MN 56069

Your application for Notice of Acceptance (NOA) of:
Wood Connectors

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 NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time 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 by 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.: 01-0724.06
EXPIRES: 10/01/2006

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 Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.
Director
Miami-Dade County
Building Code Compliance Office

APPROVED: 09/20/2001

United Steel Products Company.

ACCEPTANCE NO: 01-0724.06

APPROVED: SEP 20 2001

EXPIRES: 10/01/2006

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

- 1.1** This revises the Notice of Acceptance No. 00-1218.03, which was issued on 03/01/2001. 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 **United Steel Wood Connectors** shall be fabricated and used in strict compliance with the following documents: Drawing No. NFM & DTC-HSU, sheet 1 and 2 of 2, titled "Wood Connectors", prepared by United Steel Products Company, dated 07/16/01 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 Southern Pine or better with a specific gravity of 0.55 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

United Steel Products Company.

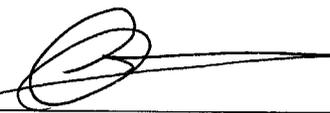
ACCEPTANCE NO: 01-0724.06

APPROVED: SEP 20 2001

EXPIRES: 10/01/2006

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.



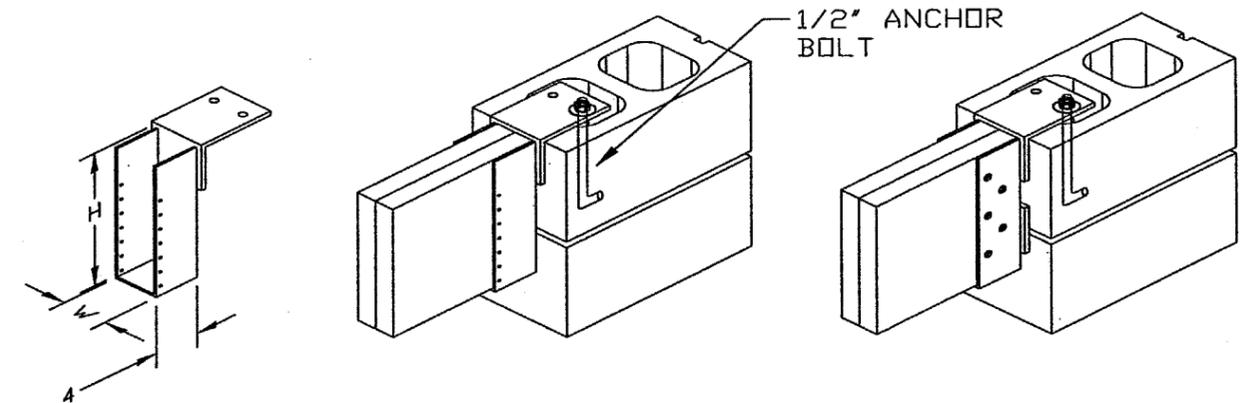
Candido Font, PE, Sr. Product Control Examiner
Product Control Division

END OF THIS ACCEPTANCE

NARROW FLANGE MASONRY HANGER

Product Code	Materials		Dimensions		Fasteners		Design Loads	
	Flange	Bucket	H	W	Header	Joist	Normal	Uplift
	Structural Angle	H.R. Steel						
NFM 3	3/8" - 6X4"	7 ga	11-3/4"	3-3/8"	Min 1/2" dia anchor bolt	14-10d	5835	1325
NFM 3U	3/8" - 6X4"	7 ga	11-3/4"	3-3/8"	Min 1/2" dia anchor bolt	(5)1/2" bolts	5955	3450
NFM 3x8	3/8" - 6X4"	7 ga	7-1/4"	3-1/8"	Min 1/2" dia anchor bolt	10-10d	5835	945
NFM 3x10	3/8" - 6X4"	7 ga	9-1/4"	3-1/8"	Min 1/2" dia anchor bolt	12-10d	5835	1135
NFM 3x12	3/8" - 6X4"	7 ga	11-1/4"	3-1/8"	Min 1/2" dia anchor bolt	14-10d	5835	1325
NFM 3x10U	3/8" - 6X4"	7 ga	9-1/4"	3-1/8"	Min 1/2" dia anchor bolt	(5)1/2" bolts	5955	3450
NFM 3x12U	3/8" - 6X4"	7 ga	11-1/4"	3-1/8"	Min 1/2" dia anchor bolt	(5)1/2" bolts	5955	3450
NFM 35x8	3/8" - 6X4"	7 ga	7-1/4"	3-5/8"	Min 1/2" dia anchor bolt	10-10d	5835	945
NFM 35x10	3/8" - 6X4"	7 ga	9-1/4"	3-5/8"	Min 1/2" dia anchor bolt	12-10d	5835	1135
NFM 35x12	3/8" - 6X4"	7 ga	11-1/4"	3-5/8"	Min 1/2" dia anchor bolt	14-10d	5835	1325
NFM 35x1178	3/8" - 6X4"	7 ga	11-7/8"	3-5/8"	Min 1/2" dia anchor bolt	14-10d	5835	1325
NFM 35x16	3/8" - 6X4"	7 ga	16"	3-5/8"	Min 1/2" dia anchor bolt	14-10d	5835	1325
NFM 35x18	3/8" - 6X4"	7 ga	18"	3-5/8"	Min 1/2" dia anchor bolt	14-10d	5835	1325
NFM 35x10U	3/8" - 6X4"	7 ga	9-1/4"	3-5/8"	Min 1/2" dia anchor bolt	(5)1/2" bolts	5955	3450
NFM 35x12U	3/8" - 6X4"	7 ga	11-1/4"	3-5/8"	Min 1/2" dia anchor bolt	(5)1/2" bolts	5955	3450
NFM 35x1178U	3/8" - 6X4"	7 ga	11-7/8"	3-5/8"	Min 1/2" dia anchor bolt	(5)1/2" bolts	5955	3450
NFM 35x16U	3/8" - 6X4"	7 ga	16"	3-5/8"	Min 1/2" dia anchor bolt	(5)1/2" bolts	5955	3450
NFM 35x18U	3/8" - 6X4"	7 ga	18"	3-5/8"	Min 1/2" dia anchor bolt	(5)1/2" bolts	5955	3450
NFM 45	3/8" - 6X4"	7 ga	11-3/4"	4-3/4"	Min 1/2" dia anchor bolt	14-10d	5835	1325
NFM 45U	3/8" - 6X4"	7 ga	11-3/4"	4-3/4"	Min 1/2" dia anchor bolt	(5)1/2" bolts	5955	3450
NFM 6x1178	3/8" - 6X4"	7 ga	11-7/8"	5-5/8"	Min 1/2" dia anchor bolt	14-10d	5835	1325
NFM 6x1178U	3/8" - 6X4"	7 ga	11-7/8"	5-5/8"	Min 1/2" dia anchor bolt	(5)1/2" bolts	5955	3450
NFM 6x16	3/8" - 6X4"	7 ga	16"	5-5/8"	Min 1/2" dia anchor bolt	14-10d	5835	1325
NFM 6x16U	3/8" - 6X4"	7 ga	16"	5-5/8"	Min 1/2" dia anchor bolt	(5)1/2" bolts	5955	3450
NFM 6x18	3/8" - 6X4"	7 ga	18"	5-5/8"	Min 1/2" dia anchor bolt	14-10d	5835	1325
NFM 6x18U	3/8" - 6X4"	7 ga	18"	5-5/8"	Min 1/2" dia anchor bolt	(5)1/2" bolts	5955	3450

- (1) 6" Minimum embedment length for one 1/2" diameter J-Bolt
 (2) 'U' Product Code utilizes bolt on joist
 (3) 6"x4"x3/8" Angle: ASTM A36

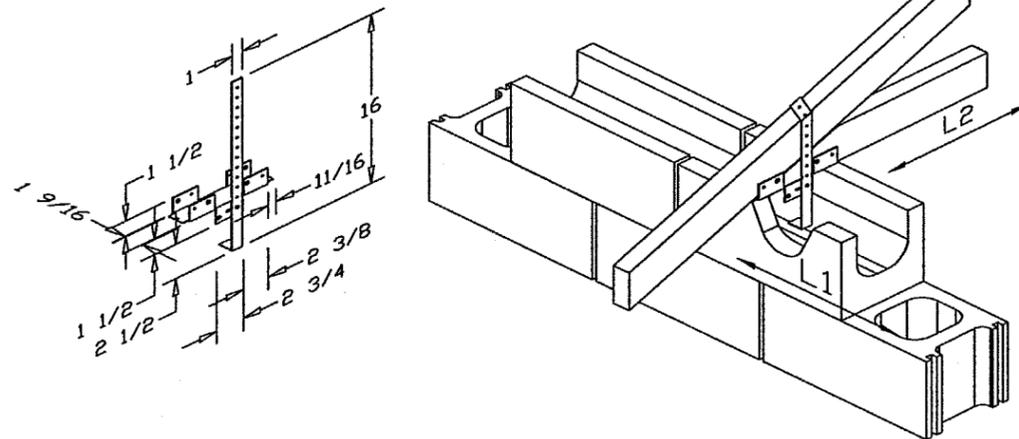


GENERAL NOTES

- 1) STEEL SHALL CONFORM TO ASTM A653, STRUCTURAL GRADE 33; U.O.N. AND A MINIMUM GALVANIZED COATING OF G-60
- 2) FASTENERS ARE COMMON WIRE NAILS UNLESS OTHERWISE NOTED
- 3) ALLOWABLE UPLIFT LOADS HAVE BEEN INCREASED BY A SHORT TERM DURATION FACTOR OF 33% FOR WIND LOAD CONDITION. NO FURTHER INCREASE ALLOWED.
- 4) ALLOWABLE DOWN LOADS ARE NOT INCREASED BY SHORT TERM DURATION FACTOR
- 5) ALLOWABLE LOADS ARE BASED ON THE NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION 1991 EDITION & 1993 ERRATA, FOR SOUTHERN YELLOW PINE (G= 0.55 OR BETTER) & TEST PERFORM IN ACCORDANCE WITH ASTM D1761

<p style="text-align: center;">FOR OFFICE USE</p> <p>APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE DATE SEP 20 2001 BY _____ PRODUCT CONTROL OFFICER BUILDING CODE COMPLIANCE OFFICE ACCEPTANCE NO. 01-0724.06</p>	<p>UNITED STEEL PRODUCTS CO 703 ROGERS DRIVE MONTGOMERY MN 56069</p> <p style="text-align: center; font-weight: bold;">WOOD CONNECTORS</p> <p style="text-align: right;">DATE: <u>7/16/01</u> DRAWING NUMBER: <u>NFM</u> SHEET NUMBER: <u>1 OF 2</u></p>	<p style="text-align: right; font-size: 1.2em;"><i>Thomas A. Kolden</i> 7.16.2001</p> <p style="text-align: right;">THOMAS A. KOLDEN, P.E. CIVIL NUMBER FL#50899</p>
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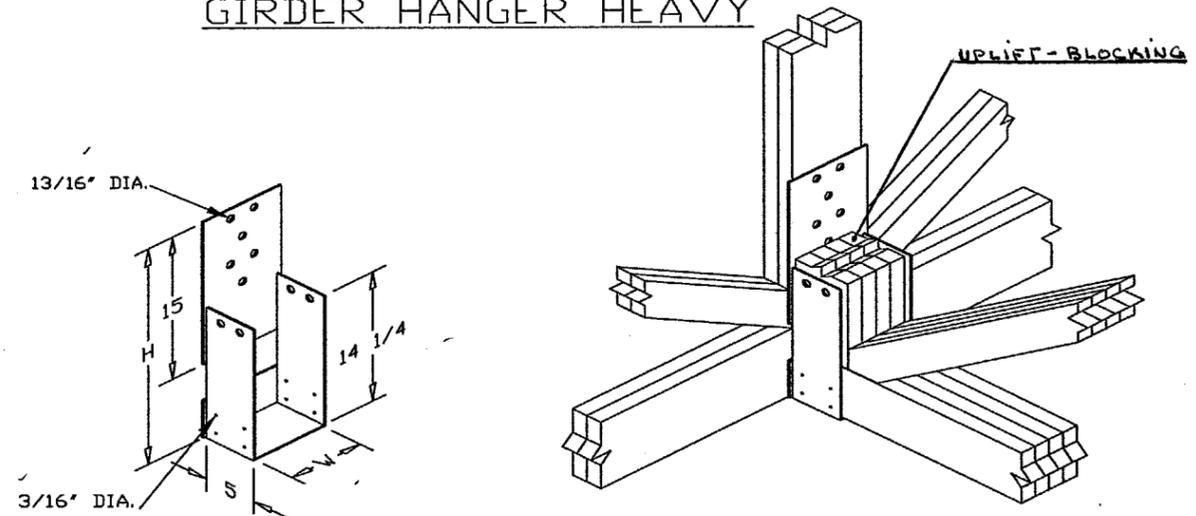
TRUSS ANCHOR - DTC



Product Code	Description	Fasteners		Uplift	Design Loads (lbs)		
		Header	Joist		Perpendicular to Wall (L2)	Parallel to Wall (L1)	
		Thru Seat Plate	Thru Strap			Toward Strap	Away from Strap
DTC	Truss Anchor	4-10dx1-1/2"	9-10dx1-1/2"	1410	1200	680 (2)	800 (1)

- (1) Load applied Away from Strap, (2) Load applied Toward Strap.
- (2) Allowable Load for Uplift, L1 & L2 shall not be combined.
The connector shall be subjected to Load in one direction only.
- (3) Minimum concrete strength shall be 2500 psi and minimum strap embedment shall be 4".
- (4) Material: Strap - 14 gauge and Bottom Plate - 20 gauge.

GIRDER HANGER HEAVY



Product Code	Description	Dimensions		Fasteners			Design Loads (lbs)	
		W	H	Bolts	Nails	Normal	Uplift	
HSU 100	Girder Hgr (Heavy)	7"	23-1/2"	(6)-3/4"	(2)-3/4"	Carried Member	8-10d	9147 8650

- (1) Material: 7 gauge (3/16") ASTM A36.
- (2) All 3/4" bolts require 3" wood penetration and minimum wood vertical width of 5-1/2".
- (3) Bolts ASTM A307 Grade A.
- (4) Main member minimum width 4-1/2".

GENERAL NOTES

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- 3) ALLOWABLE UPLIFT LOADS HAVE BEEN INCREASED BY A SHORT TERM DURATION FACTOR OF 33% FOR WIND LOAD CONDITION. NO FURTHER INCREASE ALLOWED.
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- 5) ALLOWABLE LOADS ARE BASED ON THE NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION 1991 EDITION & 1993 ERRATA, FOR SOUTHERN YELLOW PINE (G= 0.55 OR BETTER) & TEST PERFORM IN ACCORDANCE WITH ASTM D1761

<p>FOR OFFICE USE</p> <p>APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE</p> <p>DATE SEP 28 2001</p> <p>BY <i>[Signature]</i></p> <p>PRODUCT CONTROL DIVISION BUILDING CODE COMPLIANCE OFFICE ACCEPTANCE NO. 01-0724.06</p>	<p>UNITED STEEL PRODUCTS CO 703 ROGERS DRIVE MONTGOMERY MN 56069</p> <p>WOOD CONNECTORS</p> <p>DATE: <u>7/16/01</u> DRAWING NUMBER: <u>DTC-HSU</u> SHEET NUMBER: <u>2 OF 2</u></p>	<p><i>[Signature]</i> 7.16.2001</p> <p>THOMAS A. KOLDEN, P.E. CIVIL NUMBER FL#50899</p>
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