



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.

Raul Rodriguez
Chief Product Control Division

ACCEPTANCE NO.: 00-1227.01
EXPIRES: 12/02/2006

**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: 03/15/2001

United Steel Products Company.

ACCEPTANCE NO: 00-1227.01

APPROVED: MAR 15 2001

EXPIRES: 12/02/2006

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

1.1 This renews the Notice of Acceptance No. 98-1216.07, which was issued on 04/01/1999. 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 **United Steel Wood Connectors** shall be fabricated and used in strict compliance with the following documents: Drawing No. HJH-PA-PC & HSU-TP, sheet 1 and 2 of 2, titled "Wood Connectors", prepared by United Steel Products Company, dated 12/12/00 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.

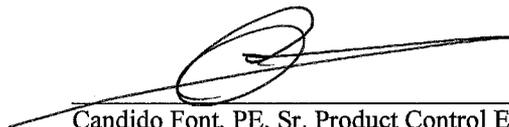
ACCEPTANCE NO.: 00-1227.01

APPROVED: MAR 15 2001

EXPIRES: 12/02/2006

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

United Steel Products Company.

ACCEPTANCE NO: 00-1227.01

APPROVED: MAR 15 2001

EXPIRES: 12/02/2006

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS
(For File ONLY. Not part of NOA)

A DRAWINGS

1. Drawings prepared by United Steel Products Company, titled "Wood Connectors", Drawing No. HJH-PA-PC & HSU-TP, sheet 1 and 2 of 2, dated 12/12/00 with no revisions, signed and sealed by T. A. Kolden, PE.

B TEST

Test reports on wood connectors per ASTM D1761 by Kleinfelder, signed and sealed by C. R. Caudel, PE.

	Report No.	Wood Connector	Direction	Date
1.	PTI # 98-971449	TP4X	Upward	08/20/98
2.	PTI # 98-971453	PA4x40	Upward	08/27/98
3.	PTI # 98-971452	PA6x6	Upward	08/31/98
4.	PTI # 98-971454	PC4x4	Upward	09/30/98
5.	PTI # 98-971455	PC6x6	Upward	09/08/98
6.	PTI # 98-971447	HJH26L/R	Up & Downward	10/29/98
7.	PTI # 98-971448	HJH28L/R	Up & Downward	10/31/98
8.	PTI # 98-971457	HSU4016	Up & Downward	05/15/98
9.	PTI # 98-971456	HSU8016	Up & Downward	05/15/98

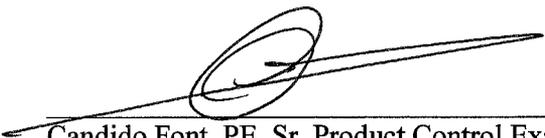
C CALCULATIONS

Report of Design Capacities prepared by Hughes Manufacturing, Inc.

	Product Model	No. of Pages	Date	Signature
1.	TP Series	6 through 8	11/18/98	T. F. Devening, PE
2.	PA Series	7 through 11	11/18/98	T. F. Devening, PE.
3.	PC Series	7 through 9	11/18/98	T. F. Devening, PE
4.	HJH Series	5 through 11	11/20/98	T. F. Devening, PE
5.	HSU Series	5 through 10	11/18/98	T. F. Devening, PE

D STATEMENTS

1. No Financial Interest & Code Compliance letter issued by Thomas F. Devening, PE., dated 10/20/98, signed by T. F. Devening, PE.
2. Letter of No Change issued by United Steel Products Co., dated 04/26/2000 and signed by R. C. Brunson.
3. Merger Documents issued by the State of Minnesota on 02/14/200 and signed by the Secretary of State, M. Kiffmeyer.


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

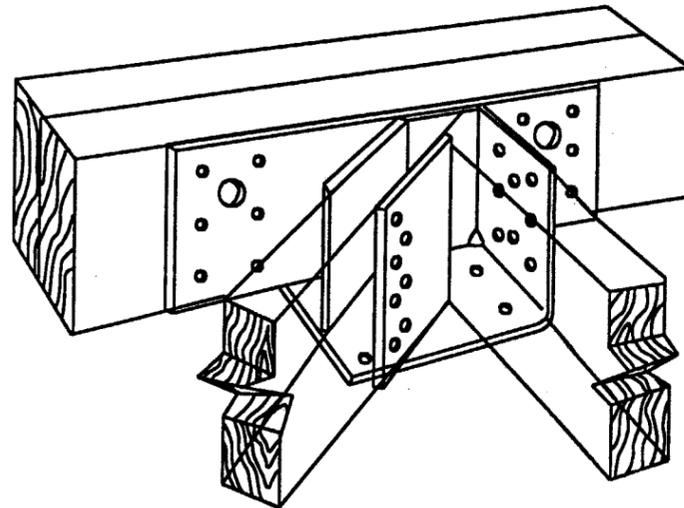
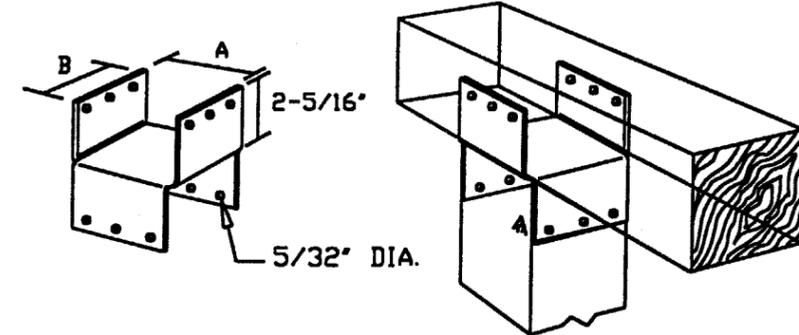
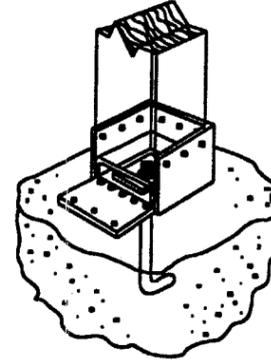
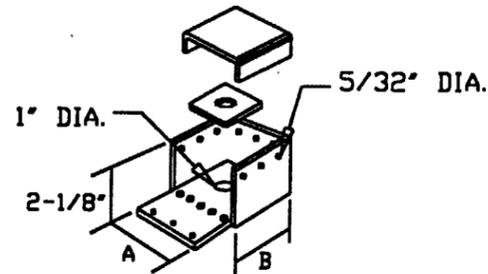
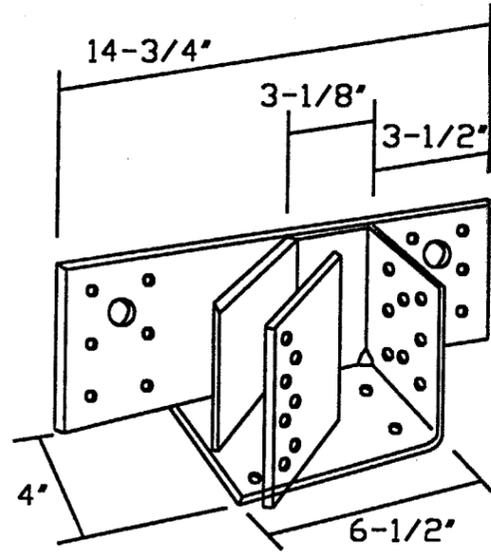
HIP & JACK CONNECTORS (HEAVY)

POST ANCHORS

18 GA. GALVANIZED STEEL

POST CAPS

18 GA. GALVANIZED STEEL



Product Code	Description	Dimensions		Fasteners Per Flap	Design Loads (lbs.) Uplift (133%)
		A	B		
PA 4X40	Post Anchor 4X4	3-5/8"	3-5/8"	3-10d 3-16d	1265 1510
PA 4X60	Post Anchor 4X6	3-5/8"	5-5/8"	3/4-10d 3/4-16d	1475 1560
PA 6X6	Post Anchor 6X6	5-5/8"	5-5/8"	4-10d 4-16d	1685 2015
PA 8X8	Post Anchor 8X8	7-5/8"	7-5/8"	4-10d 4-16d	1685 2015

- Note: 1. Minimum concrete strength $F_c = 2500$ psi
 2. Post anchor connection to concrete is one 1/2" dia. Anchor Bolt embedded a minimum of 4"
 3. Minimum edge distance for Anchor Bolt location for PA 4X40 and PA 4X60 Post Anchor is 1-3/4"
 4. Minimum edge distance for Anchor Bolt location for PA 6X6 and PA 8X8 Post Anchor is 3"
 5. PA 4X60, 6X6, 8X8 have two mounting holes in the bottom
 6. Nail penetration shall be a minimum of 1-3/4" for 10d nails and 2" for 16d nails

Product Code	Description	Dimensions		Fasteners Per Flap	Design Loads (lbs.) Uplift (133%)
		A	B		
PC 4X4	Post Cap 4X4	3-5/8"	3-5/8"	3-10d 3-16d	835 905
PC 4X6	Post Cap 4X6	3-5/8"	5-5/8"	3-10d 3-16d	835 905
PC 6X6	Post Cap 6X6	5-5/8"	5-5/8"	6-10d 6-16d	1670 2000
PC 8X8	Post Cap 8X8	7-5/8"	7-5/8"	6-10d 6-16d	1670 2000

- Note: 1. Nail penetration shall be a minimum of 1-3/4" for 10d nails and 2" for 16d nails

GENERAL NOTES

- STEEL SHALL CONFORM TO ASTM A653, STRUCTURAL GRADE 33; U.O.N. AND A MINIMUM GALVANIZED COATING OF G-60
- FASTENERS ARE COMMON WIRE NAILS UNLESS OTHERWISE NOTED
- ALLOWABLE UPLIFT LOADS HAVE BEEN INCREASED BY A SHORT TERM DURATION FACTOR OF 33% FOR WIND LOAD CONDITION. NO FURTHER INCREASE ALLOWED.
- ALLOWABLE DOWN LOADS ARE NOT INCREASED BY SHORT TERM DURATION FACTOR
- 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

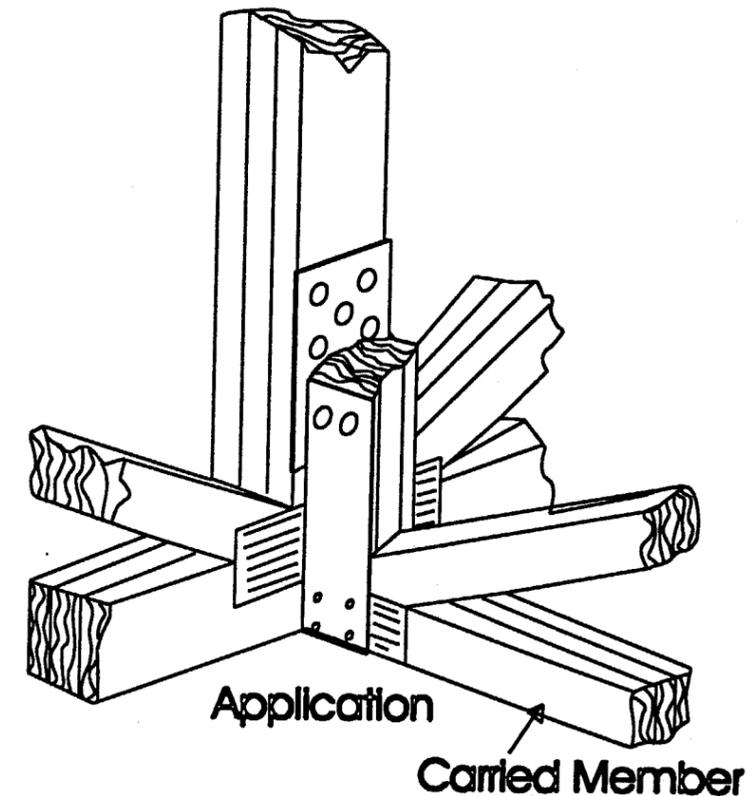
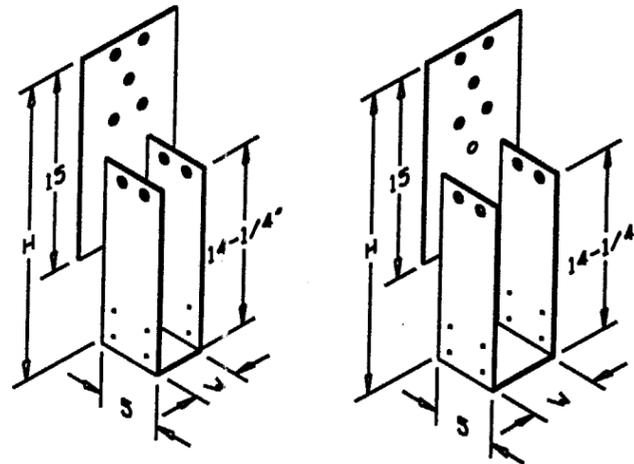
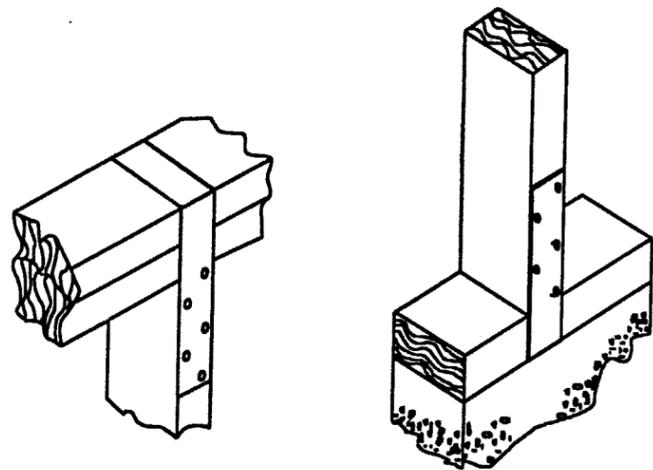
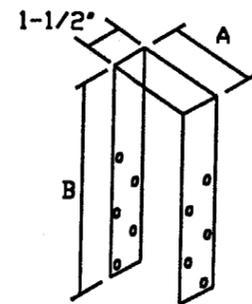
Product Code	Description	Dimensions	Fasteners				Both Combined Design Loads (lbs.)	
			Header Nails	Header Bolts	Hip Truss	Jack Truss	Normal 100%	Uplift 133%
HJH 26L/R	Hip/Jack Hanger 2X6 Right or Left	5-1/4"	12-16d	None	7-16d	8-16d	1920	1890
HJH 28L/R	Hip/Jack Hanger 2X6 Right or Left	7-1/4"	16-16d	None	7-16d	8-16d	2560	2185

- Note: 1. Material: 7 gauge (3/16") ASTM A36.
 2. Nail on the header shall have a minimum penetration of 2"

FOR OFFICE USE APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE DATE MAR 15 2001 BY PRODUCT CONTROL DIVISION BUILDING CODE COMPLIANCE OFFICE ACCEPTANCE NO. 00-1227.01	UNITED STEEL PRODUCTS CO 703 ROGERS DRIVE MONTGOMERY MN 56069 WOOD CONNECTORS DATE: 12/28/99 DRAWING NUMBER: 12-PA-PC SHEET NUMBER: 1 OF 2	 12-19-2000 THOMAS A. KOLDEN, P.E. CIVIL NUMBER FL#50899
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TOP/BOTTOM PLATE ANCHORS

18 Ga. Galvanized Steel



Product Code	Materials	Dimensions		Design Loads (lbs.)		Design Loads (lbs.)	
		A	B	Fasteners Stud	Uplift 133%	Fasteners Stud	Uplift 133%
TP 4X	18 ga	3-5/8"	10-1/4"	10-10d	1132	10-16d	1620
TP 6X	18 ga	5-5/8"	9-1/4"	10-10d	1132	10-16d	1620
TP 8X	18 ga	7-3/8"	8-1/4"	10-10d	1132	10-16d	1620

Note: 1. Minimum nail penetration shall be 1-3/4" for 10d nails and 2" for 16d nails

Product Code	Description	Dimensions		Fasteners			Design Loads (lbs.)	
		W	H	Bolts		Nails	Normal 100%	Uplift 133%
				Girder	Block	Carried Member		
HSU 40	Girder Hgr(Heavy)	3-1/4"	23"	(5)-3/4"	(2)-3/4"	8-10d	7040	5185
HSU 80	Girder Hgr(Heavy)	4-7/8"	23-1/2"	(6)-3/4"	(2)-3/4"	8-10d	8445	7950

Notes: 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. Nails on carried member shall have a minimum penetration of 1-3/4"

GENERAL NOTES

- STEEL SHALL CONFORM TO ASTM A653, STRUCTURAL GRADE 33; U.O.N. AND A MINIMUM GALVANIZED COATING OF G-60
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FOR OFFICE USE	UNITED STEEL PRODUCTS CO 703 ROGERS DRIVE MONTGOMERY MN 56069	 12-19-2000
APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE DATE <u>MAR 15 2001</u> BY PRODUCT CONTROL DIVISION BUILDING CODE COMPLIANCE OFFICE ACCEPTANCE NO. <u>00-1227.01</u>	WOOD CONNECTORS	
DATE: <u>12/18/00</u> DRAWING NUMBER: <u>HSU-TP</u> SHEET NUMBER: <u>2 OF 2</u>		THOMAS A. KOLDEN, P.E. CIVIL NUMBER FL#50899