



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:

USP Lumber Connectors: 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.: 00-1128.02
EXPIRES: 12/02/2002

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: 02/15/2001

United Steel Products Company.

ACCEPTANCE NO: 00-1128.02

APPROVED: FEB 15 2001

EXPIRES: 12/02/2002

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

- 1.1** This revises the Notice of Acceptance No. 99-0916.04 which was issued on 12/02/1999. 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. HHGUS/JHA/TUH, sheet 1 of 1, titled "Wood Connectors", prepared by United Steel Products Company, dated 11/07/00 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.: 00-1128.02

APPROVED: FEB 15 2001

EXPIRES: 12/02/2002

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: 00-1128.02

APPROVED: FEB 15 2001

EXPIRES: 12/02/2002

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. HHGUS/JHA/TUH, sheet 1 of 1, dated 11/07/00 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 # 99-2197	JHA 29	Up & Downward	07/17/99
2. PTI # 99-2200	JHA 2-218	Up & Downward	07/21/99
3. PTI # 99-2199	JHA 2-213	Up & Downward	07/20/99
4. PTI # 99-2198	JHA 218	Up & Downward	07/18/99
5. PTI # 99-2029	TUH 26-2	Up & Downward	02/23/99
6. PTI # 99-2030	TUH 28-2	Up & Downward	02/23/99
7. PTI # 99-2031	HHGUS 26-2	Up & Downward	04/29/99
8. PTI # 99-2033	HHGUS 414	Up & Downward	06/09/99
9. PTI # 99-2032	HHGUS 210-2	Up & Downward	04/29/99

C CALCULATIONS

Report of Design Capacities prepared by Hughes Manufacturing, Inc.

Product Model	No. of Pages	Date	Signature
1. HHGUS Series	1 through 15	08/23/99	T. F. Devening, PE
2. JHA Series	1 through 12	08/23/99	T. F. Devening PE.
3. TUH Series	1 through 9	08/23/99	T. F. Devening, PE

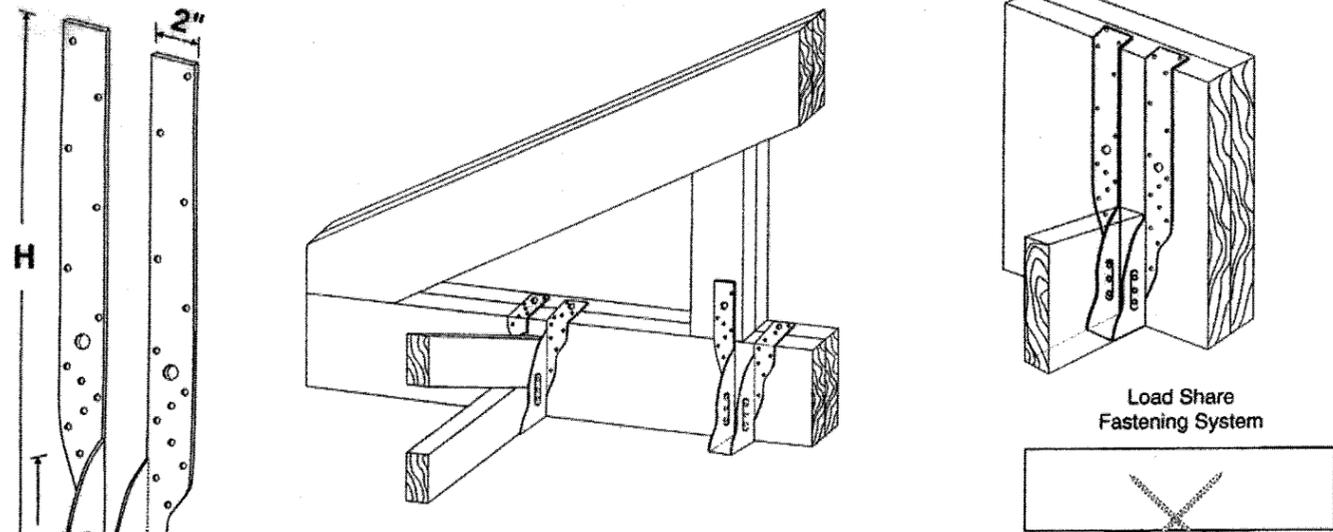
D STATEMENTS

1. No Financial Interest & Code Compliance letter issued by The Dore' Group Inc., dated 08/26/99, signed by T. F. Devening, PE.
2. Letter of No Change issued by United Steel Products Co., dated 11/16/00, signed by T. A. Kolden, PE.
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

TRUSS/JOIST HANGERS, ADJUSTABLE

18 & 16 Ga. Galvanized Steel

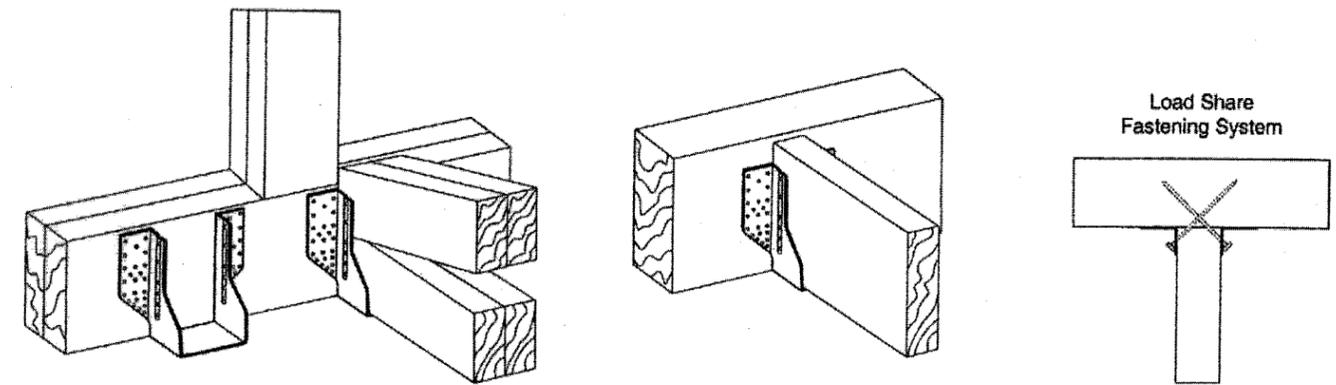


Product Code	Material Thickness	Joist Width	Dimensions			Fasteners		Design Loads (lbs)	
			W	H	A	Girder/ Header Nails	Truss/ Joist Nails	Normal 100%	Uplift 133%
JHA 29	18 ga	1-1/2"	1-5/8"	10"	6"	(18) 16d	(6) 10d	2114	892
JHA 213	18 ga	1-1/2"	1-5/8"	13-1/2"	6"	(18) 16d	(6) 10d	2114	892
JHA 218	16 ga	1-1/2"	1-5/8"	17-1/4"	6"	(24) 16d	(6) 16d	2125	883
JHA 2-213	18 ga	3"	3-1/8"	12-1/2"	5-3/16"	(18) 16d	(6) 10d	3105	1216
JHA 2-218	16 ga	3"	3-1/8"	16-1/2"	5-3/16"	(24) 16d	(6) 16d	3650	1142
JHA 413	18 ga	3-1/2"	3-5/8"	12-1/4"	5-1/16"	(18) 16d	(6) 10d	3105	1216
JHA 418	16 ga	3-1/2"	3-5/8"	16-1/4"	5-1/16"	(24) 16d	(6) 16d	3650	1142
JHA 424	16 ga	3-1/2"	3-5/8"	22"	5-1/16"	(30) 16d	(6) 16d	3650	1142

1.) Girder/Header nails shall have a minimum penetration of 2".

HEAVY GIRDER U-HANGER SERIES

12 Ga. Galvanized Steel

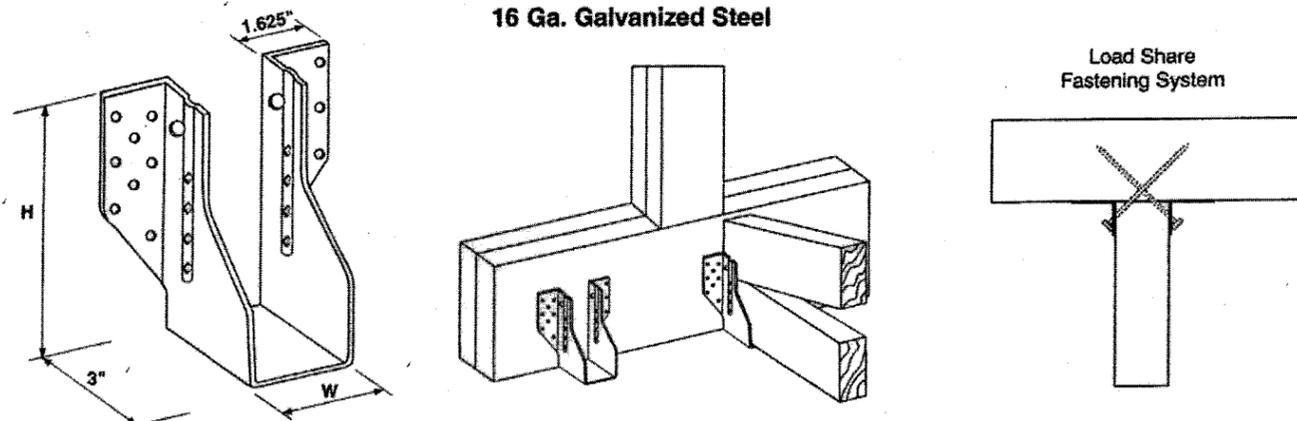


Product Code	Material Thickness	Joist Width	Dimensions		Fasteners		Design Loads (lbs)	
			W	H	Girder/ Header	Truss/ Joist	Normal 100%	Uplift 133%
HHGUS 26-2	12 gauge	3"	3-3/8"	5-1/4"	(20) 16d	(8) 16d	4028	2075
HHGUS 28-2	12 gauge	3"	3-3/8"	7-1/4"	(36) 16d	(10) 16d	6707	2595
HHGUS 210-2	12 gauge	3"	3-3/8"	9-1/4"	(46) 16d	(12) 16d	8474	3110
HHGUS 26-3	12 gauge	4-1/2"	5-1/8"	5-1/4"	(20) 16d	(8) 16d	4028	2075
HHGUS 28-3	12 gauge	4-1/2"	5-1/8"	7"	(36) 16d	(10) 16d	6707	2595
HHGUS 210-3	12 gauge	4-1/2"	5-1/8"	9"	(46) 16d	(12) 16d	8474	3110
HHGUS 5.25-10	12 gauge	5-1/4"	5-1/4"	9"	(46) 16d	(12) 16d	8474	3110
HHGUS 5.25-12	12 gauge	5-1/4"	5-1/4"	11"	(56) 16d	(14) 16d	9242	3630
HHGUS 5.5-10	12 gauge	5-1/2"	5-1/2"	9"	(46) 16d	(12) 16d	8474	3110
HHGUS 2.5-12	12 gauge	5-1/2"	5-1/2"	11"	(56) 16d	(14) 16d	9242	3630
HHGUS 5.5-14	12 gauge	5-1/2"	5-1/2"	14"	(66) 16d	(16) 16d	9683	4150
HHGUS 46	12 gauge	3-1/2"	3-5/8"	5-1/4"	(20) 16d	(8) 16d	4028	2075
HHGUS 48	12 gauge	3-1/2"	3-5/8"	7-1/4"	(36) 16d	(10) 16d	6707	2595
HHGUS 410	12 gauge	3-1/2"	3-5/8"	9-1/4"	(46) 16d	(12) 16d	8474	3110
HHGUS 412	12 gauge	3-1/2"	3-5/8"	11-1/4"	(56) 16d	(14) 16d	9242	3630
HHGUS 414	12 gauge	3-1/2"	3-5/8"	13-1/4"	(66) 16d	(16) 16d	9520	4150

1.) Girder/Header nails shall have a minimum penetration of 2".

TRUSS/JOIST HANGERS, TUH-TYPE

16 Ga. Galvanized Steel



Product Code	Material Thickness	Joist Width	Dimensions		Fasteners		Design Loads (lbs)	
			W	H	Girder/ Header	Truss/ Joist	Normal 100%	Uplift 133%
TUH 26	16 gauge	1-1/2"	1-9/16"	5-5/16"	(16) 16d	(8) 16d	3042	1350
TUH 28	16 gauge	1-1/2"	1-9/16"	7-1/16"	(22) 16d	(10) 16d	3314	1908
TUH 26-2	16 gauge	3"	3-1/8"	5-1/4"	(16) 16d	(8) 16d	3042	1350
TUH 28-2	16 gauge	3"	3-1/8"	7"	(22) 16d	(10) 16d	3650	1908

1.) Girder/Header nails shall have a minimum penetration of 2".

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 duration of 33% for Wind Load Condition. No further increases allowed.
- Allowable Down Loads have not been increased by short term duration load factors

For Office Use APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE DATE <u>February 15, 2001</u> BY <u>[Signature]</u> PRODUCT CONTROL DIVISION BUILDING CODE COMPLIANCE OFFICE ACCEPTANCE NO. <u>00-1128.02</u>	United Steel Products 703 Rogers Drive Montgomery, MN 56069-1324 WOOD CONNECTORS Date: <u>11/07/00</u> Drawing Name: <u>HHGUS/JHATUH</u> Sheet Number: <u>1 of 1</u>	 <u>11-9-00</u> Thomas A. Kolden Civil Number FL #50899
---	---	--

00-1128.02