



**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:

### **Various 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.: 00-0913.07**  
**EXPIRES: 10/09/2003**

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: 12/07/2000**

**United Steel Products Company.**

**ACCEPTANCE NO: 00-0913.07**

**APPROVED: DEC 07 2000**

**EXPIRES: 10/09/2003**

**NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS**

**1. SCOPE**

- 1.1** This renews and revises the Notice of Acceptance No. 97-0507.01, which was issued on 10/09/97. 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 **USP Wood Connectors** shall be fabricated and used in strict compliance with the following documents: Drawing No. MDADE and sheets 1 & 1, titled "RT AND TA SERIES", prepared by United Steel Products Company, dated 10/06/00 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 Yellow 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.**

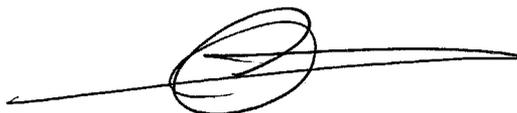
**ACCEPTANCE NO.: 00-0913.07**

**APPROVED: DEC 07 2000**

**EXPIRES: 10/09/2003**

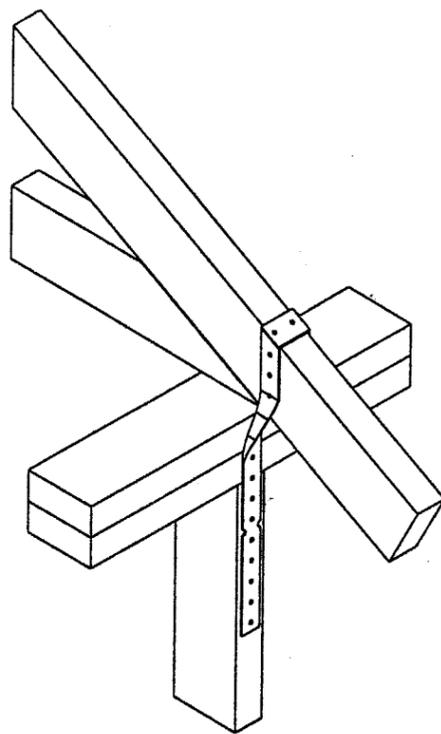
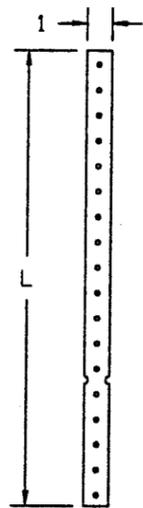
**NOTICE OF ACCEPTANCE STANDARD CONDITIONS**

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

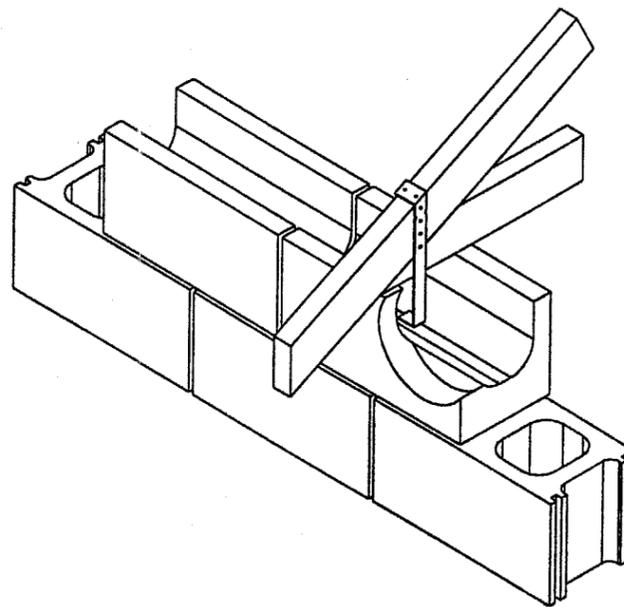
**END OF THIS ACCEPTANCE**



RT RAFTER TIE SERIES  
14 GAUGE

Product Code	Dimension L	Fasteners 16d	Allowable Load	
			Down 100%	Uplift 133%
RT8	8"	6	340	---
RT10	10"	8	455	---
RT12	12"	8	455	---
RT14	14"	10	565	755
RT16	16"	12	680	905
RT18	18"	14	795	1020
RT20	20"	16	905	1020
RT22	22"	18	1020	1020
RT24	24"	18	1020	1020
RT28	28"	18	1020	1020
RT30	30"	18	1020	1020
RT32	32"	18	1020	1020
RT34	34"	18	1020	1020
RT36	36"	18	1020	1020
RT38	38"	18	1020	1020
RT40	40"	18	1020	1020
RT44	44"	18	1020	1020
RT48	48"	18	1020	1020

- 1) Number of fasteners shall be equally divided between rafter and stud
- 2) Penetration is assumed to be 1 1/2" into wood



TA TRUSS ANCHOR SERIES  
14 GAUGE

Product Code	Dimension Length	Fastener 10d x 1.5"	Allowable Load		
			Uplift	L1	L2
TA12	12"	5	---	215	245
TA14	14"	6	830	215	245
TA16	16"	6	830	215	245
TA18	18"	7	970	215	345
TA20	20"	9	1040	215	345
TA22	22"	10	1155	255	345
TA24	24"	11	1270	255	345

- Notes
- 1) L1 are loads applied parallel to bearing wall
  - 2) L2 are loads applied perpendicular to bearing wall
  - 3) Minimum embedment of ties 4"
  - 4) Allowable loads for uplift, L1 and L2 are not to be combined
  - 5) Minimum nail penetration 1.5"



GENERAL NOTES

- 1) STEEL SHALL CONFORM TO ASTM A653 STRUCTURAL GRADE 33; AND A MINIMUM GALVANIZED COATING OF G90
- 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 IS 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 PERFORMED IN ACCORDANCE WITH ASTM D1761

*Thomas Allen Kolden*  
11.1.2000

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE DATE <u>December 07, 2000</u> BY <u>[Signature]</u> PRODUCT CONTROL DIVISION BUILDING CODE COMPLIANCE OFFICE ACCEPTANCE NO. <u>00-0913.07</u>		UNITED STEEL PRODUCTS COMPANY 703 ROGERS DRIVE, MONTGOMERY, MN 56069 PHONE (507) 364-7333	
NAME: RT AND TA SERIES		DATE: 10/06/00	
THOMAS ALLEN KOLDEN PROFESSIONAL ENGINEER (CIVIL) FLORIDA REG. NO. 50899		SHEET: 1	
PAGE: 1		MDADE	