



**BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION**

**MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908**

NOTICE OF ACCEPTANCE (NOA)

**United Steel Products Co.
703 Rogers Drive.
Montgomery, MN 56069**

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) 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 Division (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. BCPRC reserves the right to revoke this acceptance, if it is determined by Miami-Dade county Product Control Division 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: Wood Connectors Rafter Ties (RT) Series.

APPROVAL DOCUMENT: Drawing No.101-02, titled "RT3 & RT7, RT10 & RT20, RT15 & RT16 (Rafter Series)" sheet 1 through 3 of 3 dated 12/02/04 & 03/18/02 with no revisions, prepared by United Steel Products Company signed and sealed by R. W. Lutz, PE, bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance (NOA) number and expiration date by the Miami-Dade County Product Control Division.

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 revises NOA # 02-0128.05 and consists of this page, evidence page as well as approval document mentioned above.

The submitted documentation was reviewed by Candido F. Font PE.


03/02/07



**NOA No: 05-0105.05
Expiration Date: May 02, 2007
Approval Date: August 18, 2005
Page 1**

United Steel Products Company.

NOTICE OF ACCEPTANCE: EVIDENCE PAGE

A. DRAWINGS

1. Drawing No. 101-02, dated 12/14/04 and 03/18/02 sheets 1 through 3 of 3 2, with no revisions, prepared by United Steel Products Company, titled "RT3 & RT7, RT10 & RT20, RT15 & RT16 (Rafter Ties)" signed and sealed by R. W. Lutz, PE.

B. TESTS

Test reports on wood connectors per ASTM D1761, signed and sealed by T. Kolden, PE.

	Laboratory Report	Wood Connector	Direction	Date
1.	PTI # 01-3338	RT3	Up, Parll & Perp.	08/01/01.
2.	PTI # 01-3339	RT7	Up, Parll & Perp.	08/06/01
3.	PTI # 01-3340	RT10	Up, Parll & Perp.	08/10/01
4.	PTI # 01-3341	RT 15	Up, Parll & Perp.	08/14/01
4.	PTI # 01-3342	RT16	Up, Parll & Perp.	08/30/01
5.	PTI # 01-3343	RT20	Upward	09/14/01

C. CALCULATION

Calculated Capacities prepared by R. W. Lutz PE.

	Product Model	No. of Pages	Date	Signature
1.	Rafter Ties	1 through 15	01/23/02	R. W. Lutz, PE.

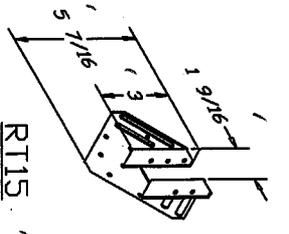
D. QUALITY ASSURANCE

1. **Building Code Compliance Office**

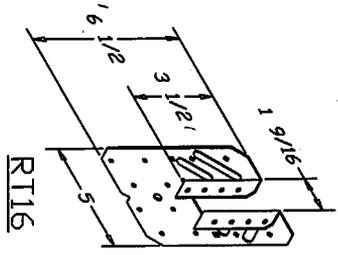
E. STATEMENTS

1. No Financial Interest letter issued by USP Lumber Connectors, dated 01/18/02 signed by R. W. Lutz, PE and notarized by R. Radabaugh
2. Code Compliance letter issued by USP Lumber Connectors, dated 01/18/02 signed and sealed by R. W. Lutz, PE.
3. Letter requesting revision issued by Product Control Section on 10/25/04 and signed by C. F. Font.

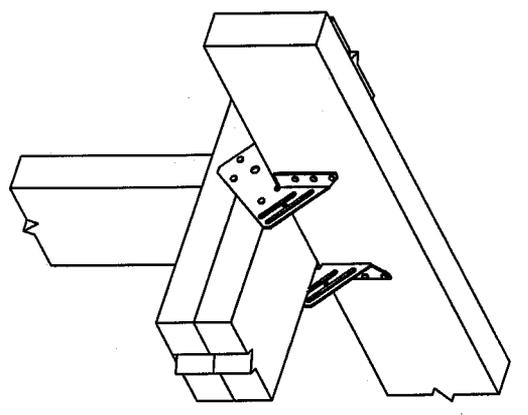

05/02/07
Candido F. Font PE.
Sr. Product Control Examiner
NOA No 05-0105.05
Expiration Date: May 02, 2007
Approval Date: August 18, 2005



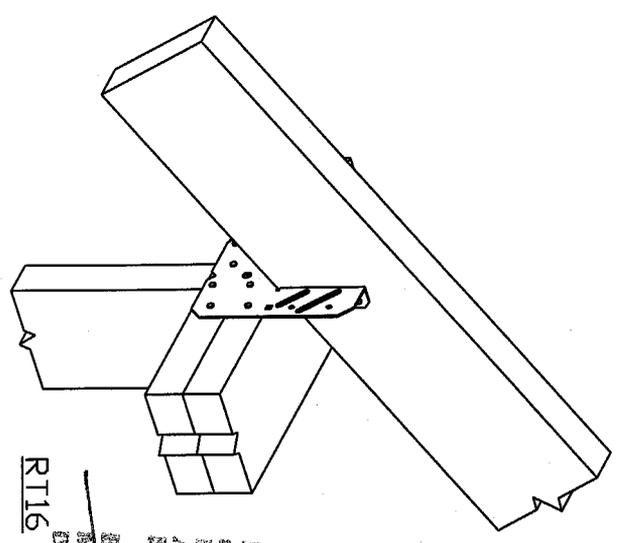
RT15



RT16



RT15



RT16

RT RAFTER TIE SERIES
18 GAUGE GALVANIZED

PRODUCT CODE	RAFTER/ TRUSS	PLATE	STUD	ALLOWABLE LOADS			
				L1	L2	UPLIFT	8d x 1-1/2
RT15	(5) 8d x 1-1/2	(5) 8d	---	445	255	465	465
RT16	(8) 8d x 1-1/2	(8) 8d	---	540	370	890	890

REV#1

NOTES

- 1) L1 ARE LOADS APPLIED PARALLEL TO BEARING WALL
- 2) L2 ARE LOADS APPLIED PERPENDICULAR TO BEARING WALL.
- 3) ALLOWABLE LOADS FOR UPLIFT, L1 & L2 ARE NOT TO BE COMBINED.

GENERAL NOTES

- 1) STEEL SHALL CONFORM TO ASTM A653 STRUCTURAL GRADE 33, AND A MINIMUM GALVANIZED COATING OF G90. FASTENERS ARE COMMON WIRE NAILS UNLESS OTHERWISE NOTED.
- 2) ALLOWABLE LOADS HAVE BEEN INCREASED BY A SHORT TERM DURATION FACTOR OF 33% FOR WIND LOAD CONDITION. NO FURTHER INCREASE IS ALLOWED.
- 3) ALLOWABLE LOADS ARE BASED ON THE NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION 1997 EDITION FOR SOUTHERN YELLOW PINE (G= 0.55 OR BETTER, AND MOISTURE CONTENT OF 19% OR LESS, ALL TESTS PERFORMED IN ACCORDANCE WITH ASTM D1761. PENETRATION IS ASSUMED TO BE 1 1/2" INTO WOOD.
- 4) RAFTER & 1 5/8" OR MORE INTO WOOD PLATE.
- 5) FOR UPLIFT USE (2) RT15'S ONE ON EACH SIDE FOR COMPLIANCE WITH SECTION 2321.7 F.B.C.

PRODUCT REVISED
in compliance with the Florida Building Code
Amendment No. 05-0105-05
Expiration Date 05/02/07
By: [Signature]
Miami-Dade Product Control
Division

[Handwritten Signature]

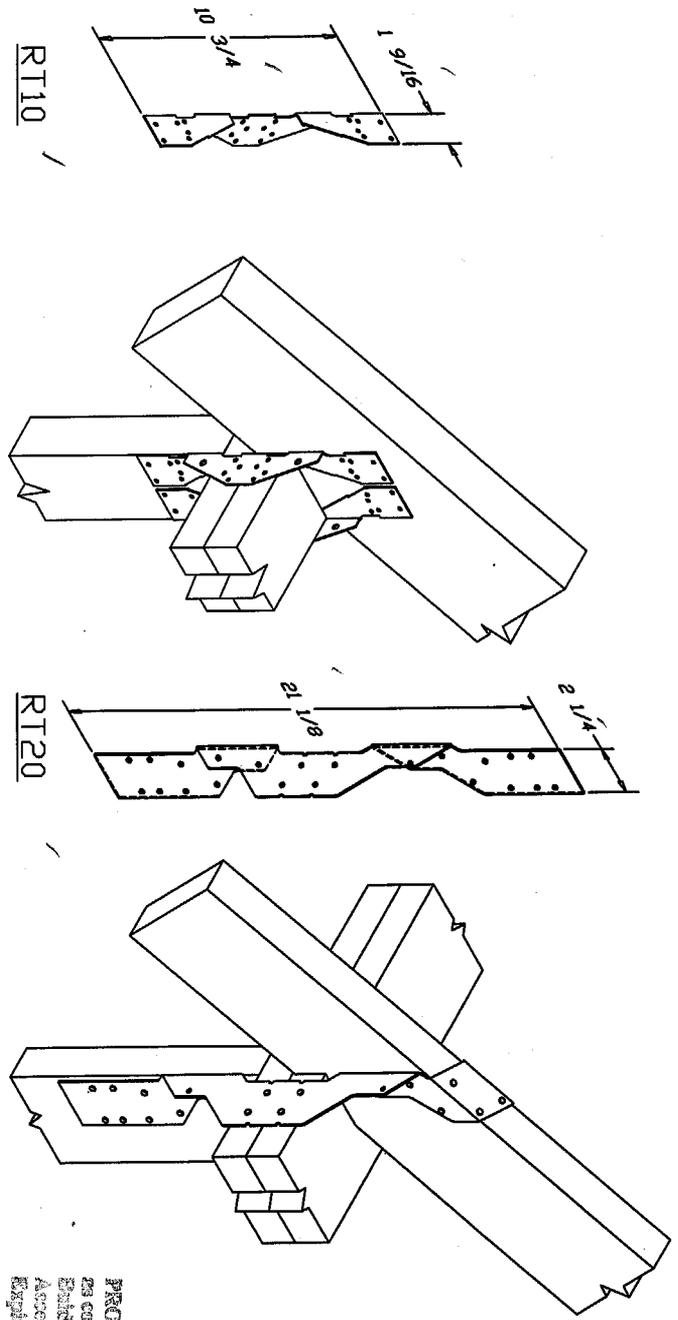
UNITED STEEL PRODUCTS COMPANY
703 ROGERS DRIVE, MONTGOMERY, MN. 56069 PHONE (507) 364-7333

NAME: RT15 & RT16 (RAFTER TIES)
DATE: 8/03/05
ROBERT W. LUTZ
PROFESSIONAL ENGINEER (STRUCTURAL)
FLORIDA REG. NO. 55409

SHEET: 3 OF 3
DRAWING NO: 101-02
MDADE

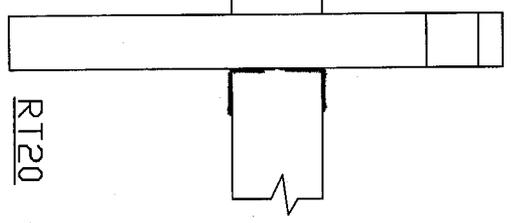
GENERAL NOTES

- 1) STEEL SHALL CONFORM TO ASTM A653 STRUCTURAL GRADE 33, AND A MINIMUM GALVANIZED COATING OF G90. FASTENERS ARE COMMON WIRE NAILS UNLESS OTHERWISE NOTED.
- 2) ALLOWABLE LOADS HAVE BEEN INCREASED BY A SHORT TERM DURATION FACTOR OF 33% FOR WIND LOAD CONDITION, NO FURTHER INCREASE IS ALLOWED.
- 3) ALLOWABLE LOADS ARE BASED ON THE NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION 1997 EDITION FOR SOUTHERN YELLOW PINE (G= 0.55 OR BETTER & MOISTURE CONTENT OF 19% OR LESS. ALL TESTS PERFORMED IN ACCORDANCE WITH ASTM D1761.
- 4) PENETRATION IS ASSUMED TO BE 1 1/2" INTO WOOD RAFTER & STUD, AND 1 5/8" (8d) OR 1 3/4" (10d) OR MORE INTO WOOD PLATE.
- 5) FOR UPLIFT USE TWO (2) RT10'S, ONE ON EACH SIDE IN COMPLIANCE WITH SECTION 2321.7 OF THE FLORIDA BUILDING CODE.



RT RAFTER TIE SERIES

PRODUCT CODE	RAFTER/ TRUSS	PLATE	GA	STUD	ALLOWABLE LOADS			
					L1	L2	UPLIFT	
RT10	(6) 8d	(8) 8d	18'	(6) 8d	133%	133%	133%	8d x 1-1/2
RT20	(9) 10d x 1-1/2	(4) 10d	16'	(9) 10d x 1-1/2	170	160	495	495
					--		925	925



FASTENERS SCHEDULE

DF-L / SYP

ALLOWABLE LOADS

UPLIFT

PRODUCT REVISED
 as complying with the Florida
 Existing Code
 Acceptance No. 05-0105 6S
 Expiration Date 05/02/07
 By: [Signature]
 Miami Steel Product Control

REV#1

NOTES

- 1) L1 ARE LOADS APPLIED PARALLEL TO BEARING WALL
- 2) L2 ARE LOADS APPLIED PERPENDICULAR TO BEARING WALL.
- 3) ALLOWABLE LOADS FOR UPLIFT, L1 & L2 ARE NOT TO BE COMBINED.

[Handwritten Signature: Robert W. Lutz]
 4 Aug 05

UNITED STEEL PRODUCTS COMPANY

703 ROGERS DRIVE, MONTGOMERY, MN, 56069 PHONE (507) 364-7333

NAME: RT10 & RT20 (RAFTER TIES)

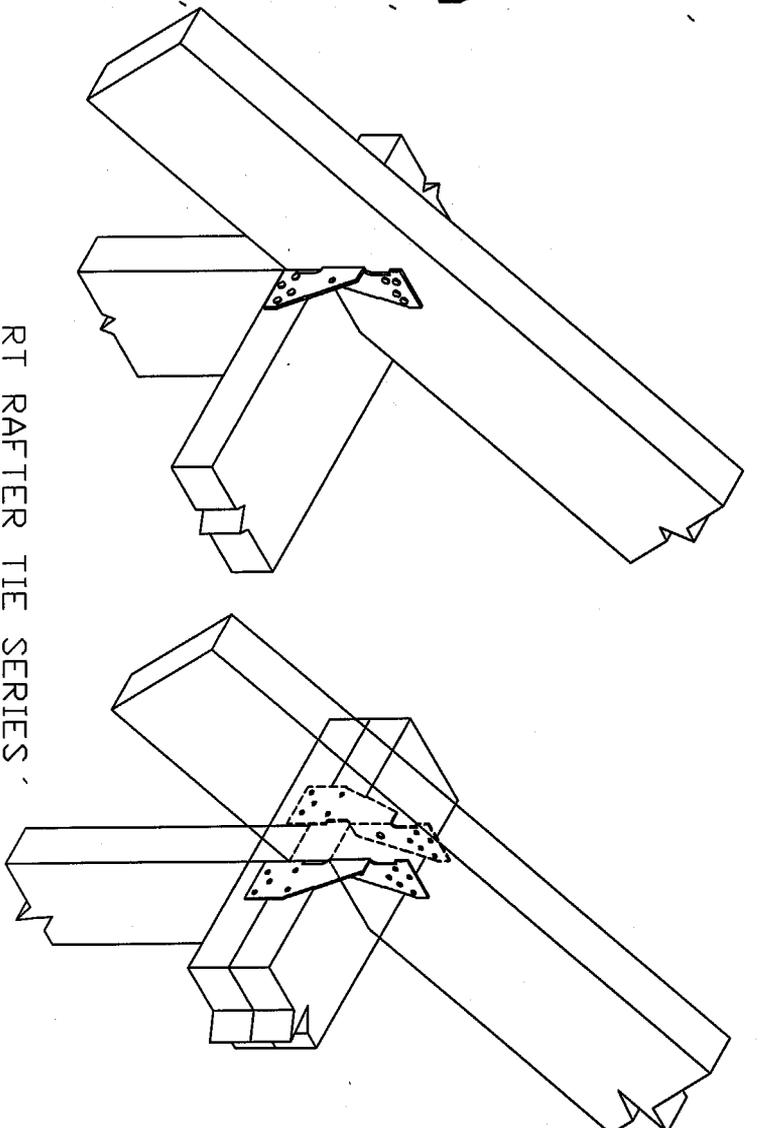
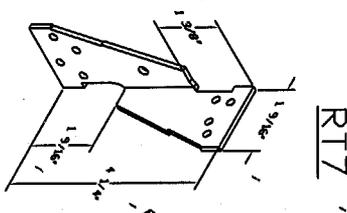
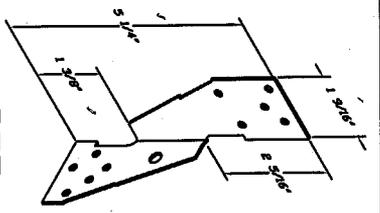
DATE: 8/03/05

ROBERT W. LUTZ
 PROFESSIONAL ENGINEER (STRUCTURAL)
 FLORIDA REG. NO. 55409

SHEET: 2 OF 3

DRAWING NO: 101-02

MDADE



GENERAL NOTES

- 1) STEEL SHALL CONFORM TO ASTM A653 STRUCTURAL GRADE 33, AND A MINIMUM GALVANIZED COATING OF G90. FASTENERS ARE COMMON WIRE NAILS UNLESS OTHERWISE NOTED.
- 2) ALLOWABLE LOADS HAVE BEEN INCREASED BY A SHORT TERM DURATION FACTOR OF 33% FOR WIND LOAD CONDITION. NO FURTHER INCREASE IS ALLOWED.
- 3) ALLOWABLE LOADS ARE BASED ON THE NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION 1997 EDITION FOR SOUTHERN YELLOW PINE (G= 0.55 OR BETTER, AND MOISTURE CONTENT OF 19% OR LESS). ALL TESTS PERFORMED IN ACCORDANCE WITH ASTM D1761.
- 4) PENETRATION IS ASSUMED TO BE 1 1/2" INTO WOOD RAFTER & 1 5/8" OR MORE INTO WOOD PLATE.
- 5) FOR UPLIFT USE TWO (2) RT3'S, RT7'S, ONE ON EACH SIDE IN COMPLIANCE WITH SECTION 2321.7 OF THE FLORIDA BUILDING CODE.
- 6) PRODUCT REVISIONS as complying with the Florida Building Code. Acceptance No. 05-0105.05 Expiration No. 05/22/07

RT RAFTER TIE SERIES
18 GAUGE

PRODUCT CODE	RAFTER/TRUSS	PLATE	STUD	ALLOWABLE LOADS		
				L1	L2	UPLIFT
RT3	(4) 8d	(4) 8d	---	133%	133%	133%
RT7	(5) 8d	(5) 8d	---	180	140	365
				175	125	505

REV#1

NOTES

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- 3) ALLOWABLE LOADS FOR UPLIFT, L1 & L2 ARE NOT TO BE COMBINED.

FASTENERS SCHEDULE

ALLOWABLE LOADS

DF-L / SYP / UPLIFT

L1	L2	UPLIFT
133%	133%	133%
180	140	365
175	125	505

8d x 1-1/2

By  Robert W. Lutz
Professional Engineer
Division

UNITED STEEL PRODUCTS COMPANY
703 ROGERS DRIVE, MONTGOMERY, MN, 56069 PHONE (507) 364-7333

NAME: RT3 & RT7
(RAFTER TIE)

DATE: 8/03/05
ROBERT W. LUTZ
PROFESSIONAL ENGINEER (STRUCTURAL)
FLORIDA REG. NO. 55409

SHEET: 1 OF 3
DRAWING NO: 101-02

MDADE

Robert W. Lutz
8/3/05