



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

Southeastern Metals Manufacturing Co., Inc.
11801 Industry Drive
Jacksonville ,FL 32226

Your application for Notice of Acceptance (NOA) of:

Rafter Ties

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.: 01-1226.09
EXPIRES: 02/01/2003

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: 01/31/2002

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

- 1.1** This renews the Notice of Acceptance No. 98-1016.04 that was issued on 01/07/99. 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 **Semco Rafter Ties** shall be fabricated and used in strict compliance with the following documents: Drawing No.95-0818.13, titled "Rafter Ties", prepared by Southeastern Metals Mfg. Co., Inc., dated 11/03/98 sheet 1 through 4 of 4, bearing 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 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.

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

Southeastern Metals Mfg. Co., Inc.

ACCEPTANCE NO: 01-1226.09

APPROVED: JAN 31 2002

EXPIRES: 02/01/2003

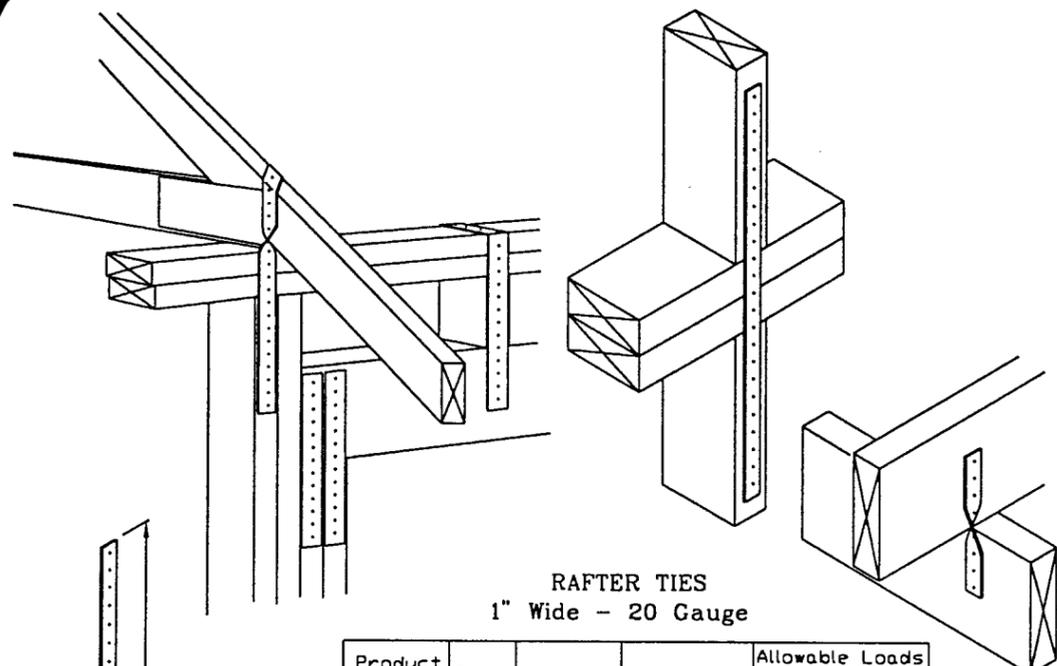
NOTICE OF ACCEPTANCE STANDARD CONDITIONS

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

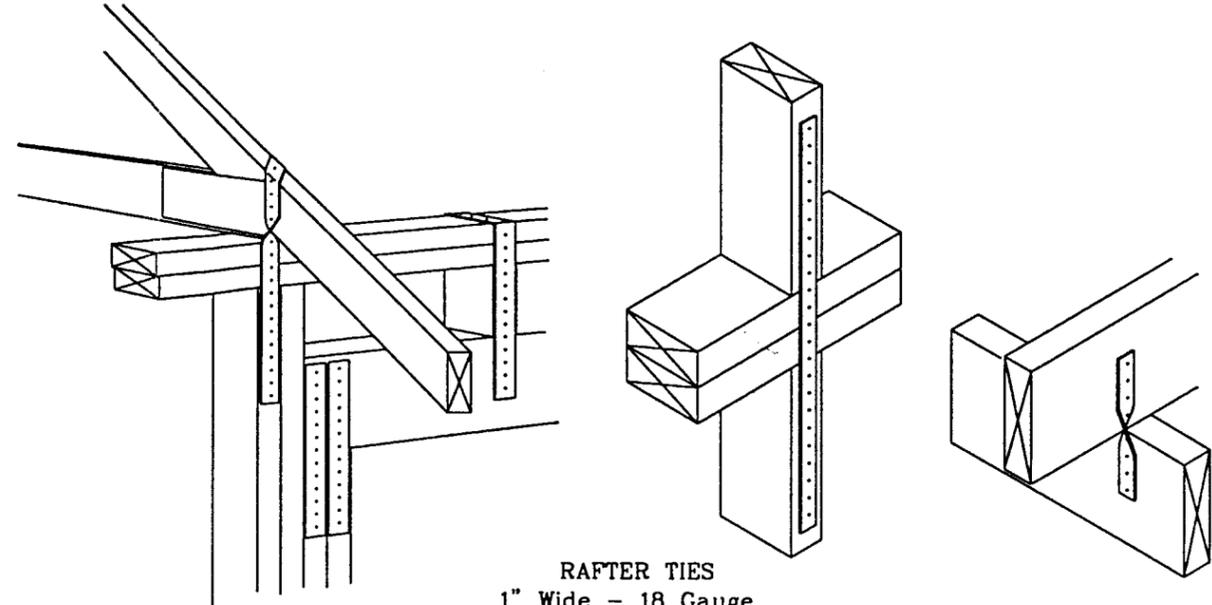
END OF THIS ACCEPTANCE



RAFTER TIES
1" Wide - 20 Gauge

Product Code	Gauge	Length	Fasteners	Allowable Loads	
				Uplift 133%	
RTP2089	20	9	4-10d	570	
RTP20812	20	12	5-10d	570	
RTP20814	20	14	5-10d	570	
RTP20816	20	16	5-10d	570	
RTP20818	20	18	5-10d	570	
RTP20820	20	20	5-10d	570	
RTP20822	20	22	5-10d	570	
RTP20824	20	24	5-10d	570	

For twisted strap, add 'T' to product code number
For flat strap, add 'F' to product code number



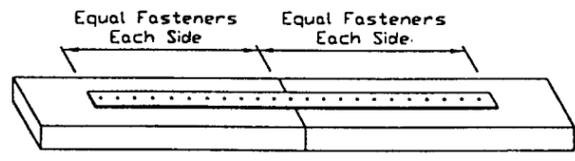
RAFTER TIES
1" Wide - 18 Gauge

Product Code	Gauge	Length	Fasteners	Allowable Loads	
				Uplift 133%	
				10d	16d
RTP1888	18	8	4	630	630
RTP18810	18	10	5	630	630
RTP18812	18	12	6	630	630
RTP18814	18	14	6	630	630
RTP18816	18	16	6	630	630
RTP18818	18	18	6	630	630
RTP18820	18	20	6	630	630
RTP18824	18	24	6	630	630
RTP18828	18	28	6	630	630
RTP18830	18	30	6	630	630
RTP18836	18	36	6	630	630

For twisted strap, add 'T' to product code number
For flat strap, add 'F' to product code number

GENERAL NOTES

- 1) The approved products shall be made of steel conforming to ASTM A653 structural quality Grade 33 (min. yield 33ksi) and a minimum galvanized coating or G60 per ASTM 525.
- 2) Fasteners are common wire nails or bolts in single shear as shown and noted on each approval.
- 3) In some cases two (2) Rafter Ties are required for a minimum design uplift of 700# as required by the South Florida Building Code.
- 4) All installations shall be done in accordance with the manufacturers instructions, this Notice of Acceptance and the applicable sections of the South Florida Building Code.
- 5) Minimum nail penetration is 1-7/8" for 10d and 2" for 16d nails.
- 6) Allowable loads are based on National Design Specifications for Wood Construction 1991 Edition & 1993 Errata, for Southern Pine (SG=0.55) or better and test performed in accordance with ASTM D-1761.
- 7) Allowable loads for wind uplift have already been increased by a duration load of 33% and no other increase is allowed.
- 8) Use specified fastener on each side as listed in schedule to achieve allowable uplift. See Detail A.



Detail A

PRODUCT RENEWED

ACCEPTANCE NO. 01-1226.09

EXPIRATION DATE 02/01/2003

PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE JANUARY 07, 1999
BY [Signature]
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 98-1016.04

Engineers Seal

[Signature]
11/20/98

No.	Revision/Issue	Date

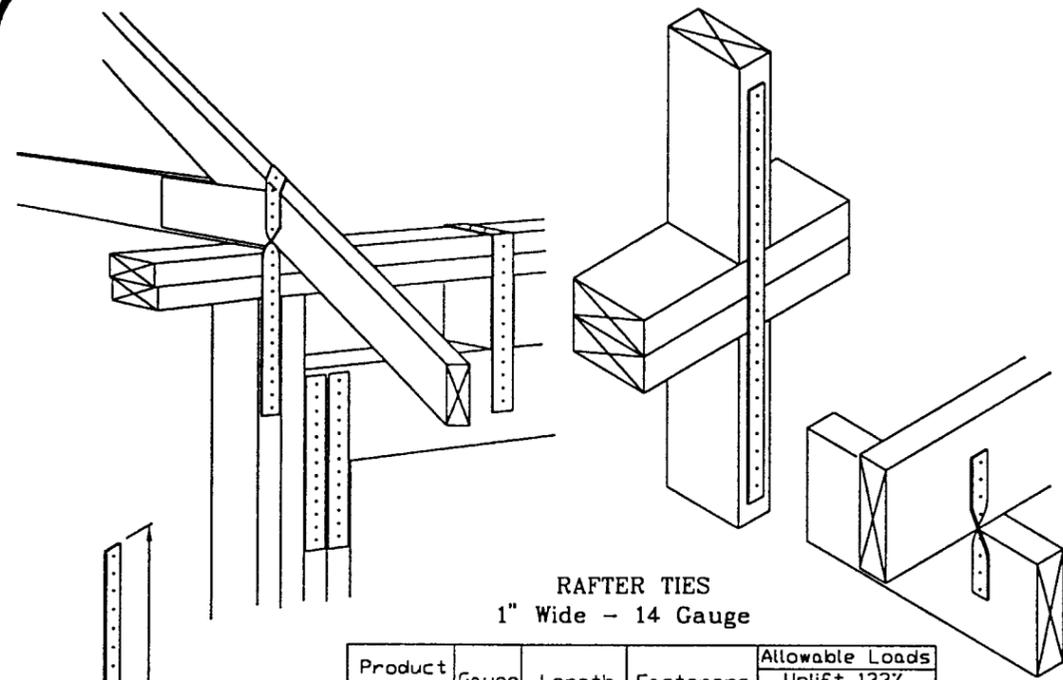
Rafter Ties

Drawing By B.L. Bostick	Date 11/03/98
Scale Not to Scale	Drawing No. 95-0818.13

1 of 4



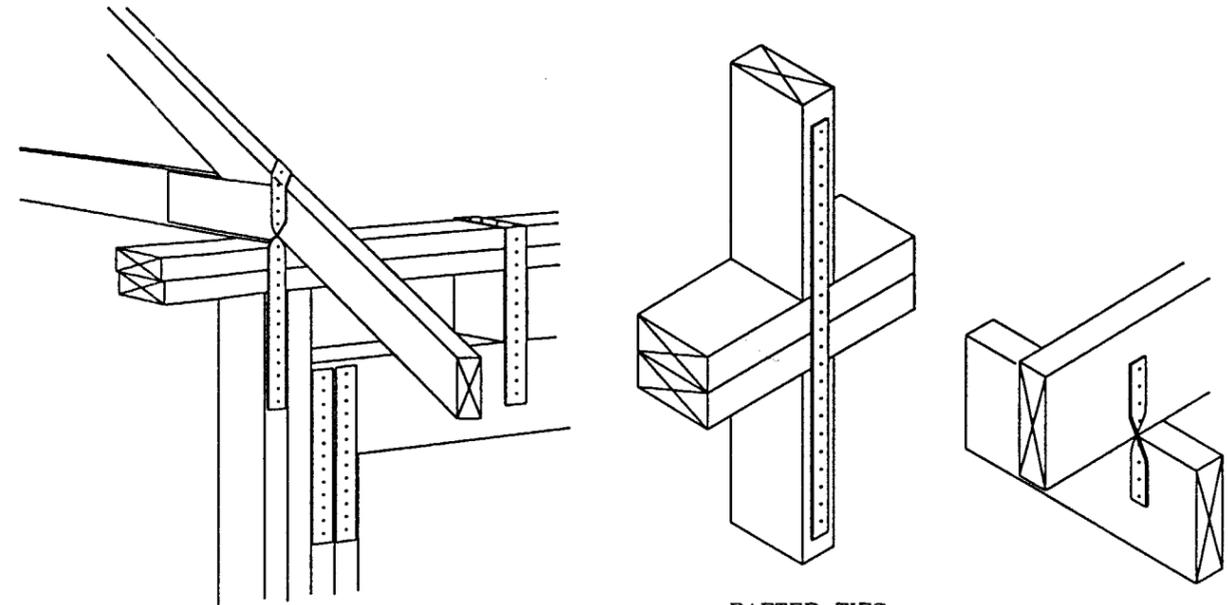
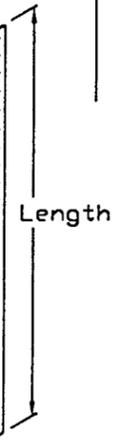
SOUTHEASTERN METALS MFG. CO., INC
11801 INDUSTRY DRIVE
JACKSONVILLE, FLORIDA 32218



RAFTER TIES
1" Wide - 14 Gauge

Product Code	Gauge	Length	Fasteners	Allowable Loads	
				Uplift 133%	
RTPG88	14	8	4	660	785
RTPG810	14	10	5	825	980
RTPG812	14	12	6	990	1175
RTPG814	14	14	7	1155	1235
RTPG816	14	16	8	1235	1235
RTPG818	14	18	9	1235	1235
RTPG820	14	20	10	1235	1235
RTPG824	14	24	11	1235	1235
RTPG828	14	28	11	1235	1235
RTPG830	14	30	11	1235	1235
RTPG836	14	36	11	1235	1235

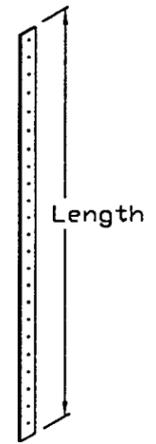
For twisted strap, add "T" to product code number
For flat strap, add "F" to product code number



RAFTER TIES
1 1/2" Wide - 18 Gauge

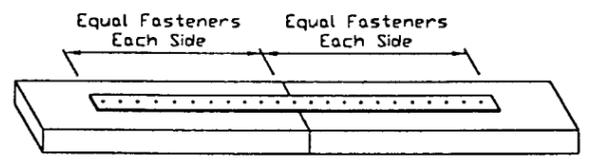
Product Code	Gauge	Length	Fasteners	Allowable Loads	
				Uplift 133%	
RTP181216	18	16	8	1105	1105
RTP181218	18	18	9	1105	1105
RTP191220	18	20	10	1105	1105

For twisted strap, add "T" to product code number
For flat strap, add "F" to product code number



GENERAL NOTES

- 1) The approved products shall be made of steel conforming to ASTM A653 structural quality Grade 33 (min. yield 33ksi) and a minimum galvanized coating of G60 per ASTM 525.
- 2) Fasteners are common wire nails or bolts in single shear as shown and noted on each approval.
- 3) In some cases two (2) Rafter Ties are required for a minimum design uplift of 700# as required by the South Florida Building Code.
- 4) All installations shall be done in accordance with the manufacturers instructions, this Notice of Acceptance and the applicable sections of the South Florida Building Code.
- 5) Minimum nail penetration is 1-7/8" for 10d and 2" for 16d nails.
- 6) Allowable loads are based on National Design Specifications for Wood Construction 1991 Edition & 1993 Errata, for Southern Pine (SG=0.55) or better and test performed in accordance with ASTM D-1761.
- 7) Allowable loads for wind uplift have already been increased by a duration load of 33% and no other increase is allowed.
- 8) Use specified fastener on each side as listed in schedule to achieve allowable uplift. See Detail A.



Detail A

PRODUCT RENEWED

ACCEPTANCE NO. 01-1226-09

EXPIRATION DATE 02/01/2003

By *[Signature]*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE

DATE *January 07 1999*

BY *[Signature]*

PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 98-1016-04

SEMCO
SOUTHEASTERN METALS MFG. CO., INC
11801 INDUSTRY DRIVE
JACKSONVILLE, FLORIDA 32218

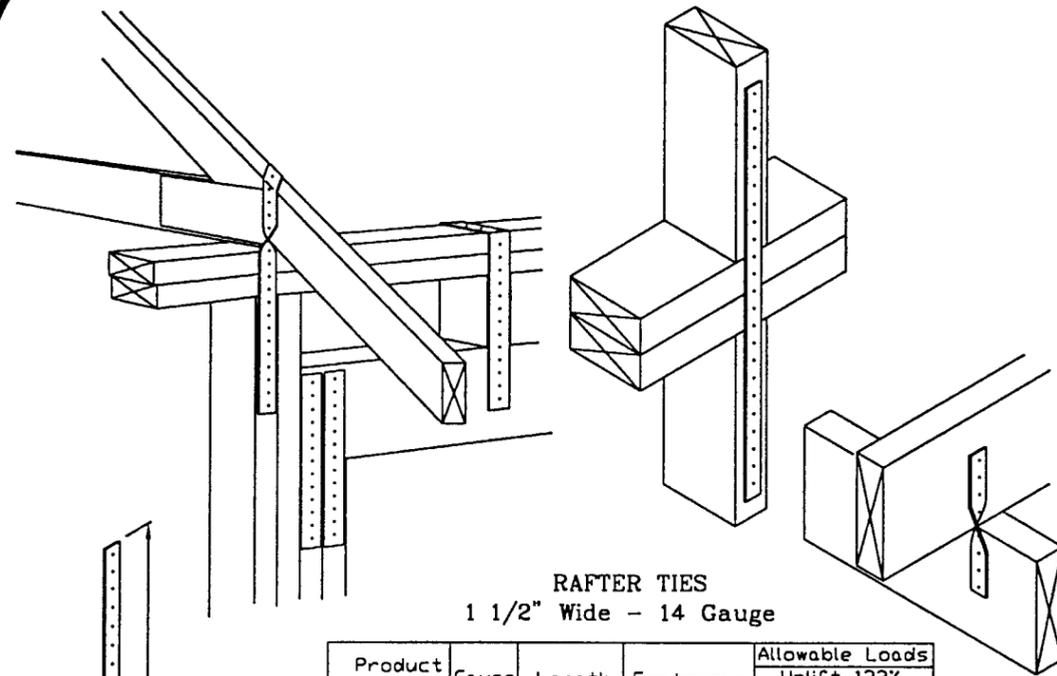
Engineers Seal
[Signature]
11/20/98

No.	Revision/Issue	Date

Rafter Ties

Drawing by: B.L. Bostick
Date: 11/03/98
Scale: Not to Scale
Drawing No: 95-0818.13

2 of 4



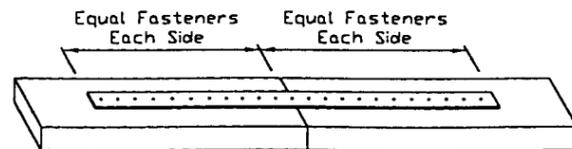
RAFTER TIES
1 1/2" Wide - 14 Gauge

Product Code	Gauge	Length	Fasteners	Allowable Loads	
				Uplift 133%	
				10d	16d
RTPGA128	14	8	4	660	785
RTPGA1210	14	10	5	825	980
RTPGA1212	14	12	6	990	1175
RTPGA1214	14	14	7	1155	1370
RTPGA1216	14	16	8	1325	1570
RTPGA1218	14	18	9	1490	1765
RTPGA1220	14	20	10	1655	1960
RTPGA1224	14	24	12	1985	1995
RTPGA1228	14	28	13	1995	1995
RTPGA1230	14	30	13	1995	1995
RTPGA1236	14	36	13	1995	1995

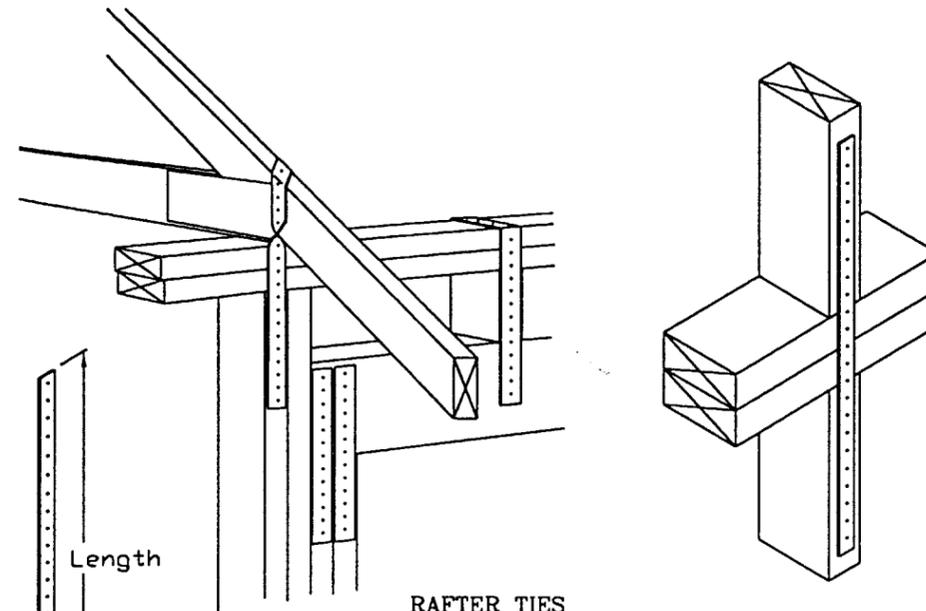
For twisted strap, add "T" to product code number
For flat strap, add "F" to product code number

GENERAL NOTES

- 1) The approved products shall be made of steel conforming to ASTM A653 structural quality Grade 33 (min. yield 33ksi) and a minimum galvanized coating or G60 per ASTM 525.
- 2) Fasteners are common wire nails or bolts in single shear as shown and noted on each approval.
- 3) In some cases two (2) Rafter Ties are required for a minimum design uplift of 700# as required by the South Florida Building Code.
- 4) All installations shall be done in accordance with the manufacturers instructions, this Notice of Acceptance and the applicable sections of the South Florida Building Code.
- 5) Minimum nail penetration is 1-7/8" for 10d and 2" for 16d nails.
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- 7) Allowable loads for wind uplift have already been increased by a duration load of 33% and no other increase is allowed.
- 8) Use specified fastener on each side as listed in schedule to achieve allowable uplift. See Detail A.



Detail A



RAFTER TIES
1 1/2" Wide - 12 Gauge

Product Code	Gauge	Length	Fasteners	Allowable Loads	
				Uplift 133%	
				10d	16d
SRP12129	12	9	6	1030	1215
SRP121212	12	12	8	1375	1620
SRP121216	12	16	10	1720	1735
SRP121218	12	18	12	1735	1735
SRP121220	12	20	14	1735	1735
SRP121222	12	22	16	1735	1735
SRP121224	12	24	18	1735	1735
SRP121228	12	28	18	1735	1735
SRP121230	12	30	18	1735	1735
SRP121232	12	32	18	1735	1735

PRODUCT RENEWED

ACCEPTANCE NO. 01-1226.09

EXPIRATION DATE 02/01/2003

By: *[Signature]*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE January 07, 1999
BY: *[Signature]*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 98-1016.04



SOUTHEASTERN METALS MFG. CO., INC
11801 INDUSTRY DRIVE
JACKSONVILLE, FLORIDA 32218

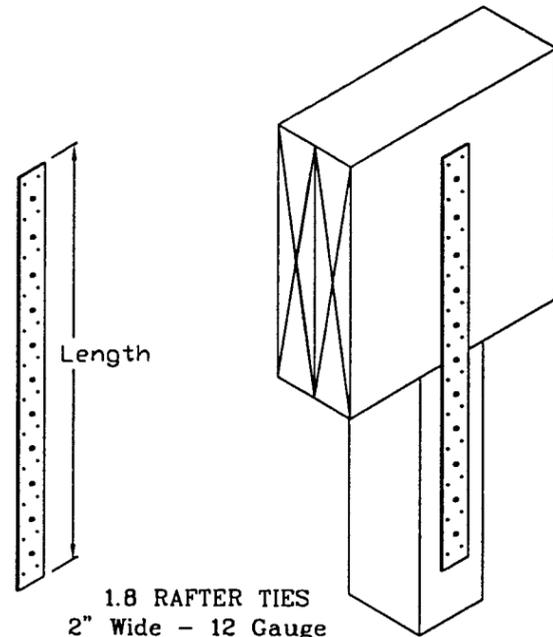
Engineer Seal

[Signature]
11/30/98

No.	Revision/Issue	Date

Rafter Ties

Drawing By: B.L. Boslick	Sheet
Date: 11/03/98	3 of 4
Scale: Not to Scale	
Drawing No.: 95-0818.13	

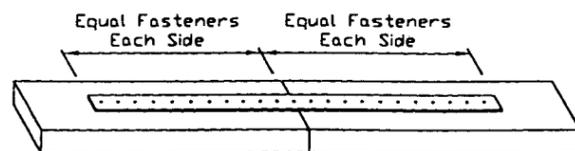


1.8 RAFTER TIES
2" Wide - 12 Gauge

Product Code	Gauge	Length	Fasteners		Allowable Loads		
			Nails	Bolts	Uplift 133%		
					10d	16d	1/2" Bolt
SRP121618	12	18	10	3	1720	2025	2635
SRP121621	12	21	12	3	2065	2430	2635
SRP121624	12	24	14	3	2410	2835	2635
SRP121627	12	27	16	3	2750	3240	2635
SRP121630	12	30	18	3	3095	3365	2635
SRP121636	12	36	20	3	3365	3365	2635
SRP121642	12	42	24	3	3365	3365	2635
SRP121648	12	48	26	3	3365	3365	2635
SRP121654	12	54	28	3	3365	3365	2635
SRP121660	12	60	28	3	3365	3365	2635
SRP121666	12	66	28	3	3365	3365	2635

GENERAL NOTES

- 1) The approved products shall be made of steel conforming to ASTM A653 structural quality Grade 33 (min. yield 33ksi) and a minimum galvanized coating of G60 per ASTM 525.
- 2) Fasteners are common wire nails or bolts in single shear as shown and noted on each approval.
- 3) In some cases two (2) Rafter Ties are required for a minimum design uplift of 700# as required by the South Florida Building Code.
- 4) All installations shall be done in accordance with the manufacturers instructions, this Notice of Acceptance and the applicable sections of the South Florida Building Code.
- 5) Minimum nail penetration is 1-7/8" for 10d and 2" for 16d nails.
- 6) Allowable loads are based on National Design Specifications for Wood Construction 1991 Edition & 1993 Errata, for Southern Pine (SG=0.55) or better and test performed in accordance with ASTM D-1761.
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- 8) Use specified fastener on each side as listed in schedule to achieve allowable uplift. See Detail A.



Detail A

PRODUCT RENEWED

ACCEPTANCE NO. 01-1226.09
EXPIRATION DATE 02/01/2003

[Signature]
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE January 07, 1999
BY *[Signature]*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 98-1016.04

SEMCO
SOUTHEASTERN METALS MFG. CO., INC
11801 INDUSTRY DRIVE
JACKSONVILLE, FLORIDA 32218

Engineer's Seal
[Signature]
11/30/98

No.	Revision/Issue	Date

Rafter Ties

Drawing By: B.L. Bostick	Sheet
Date: 11/03/98	4 of 4
Scale: Not to Scale	
Drawing No.: 95-0818.13	