



**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)

**Wirlwind Building Systems
8234 Hansen Road
Houston, TX 77075-1089**

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. BORA 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 High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: .024" min. Galvanized Structural Steel Roof Panel

APPROVAL DOCUMENT: Drawing No. 14003502, titled "Weather Lok 16-24 Details", sheets 1 through 8, prepared by manufacturer, dated 3/27/02, signed and sealed by Terrence E. Wolfe, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval 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", 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 NOA consists of this page 1 as well as approval document mentioned above.

The submitted documentation was reviewed by **Theodore Berman, P.E.**



**NOA No 02-0508.01
Expiration Date: August 29, 2007
Approval Date: August 29, 2002
Page 1**

NOTES:

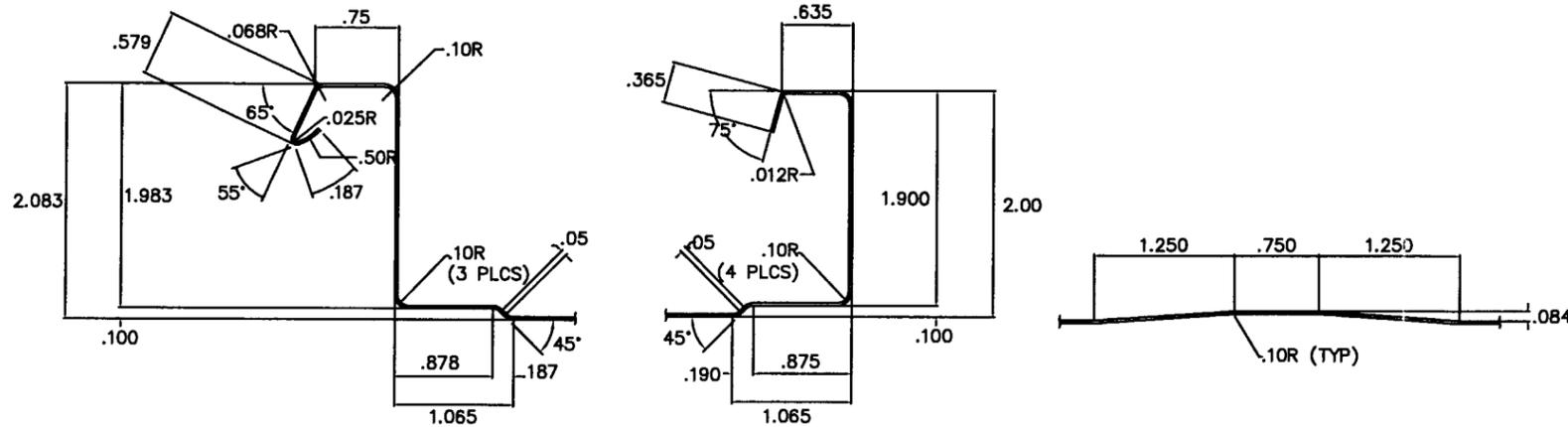
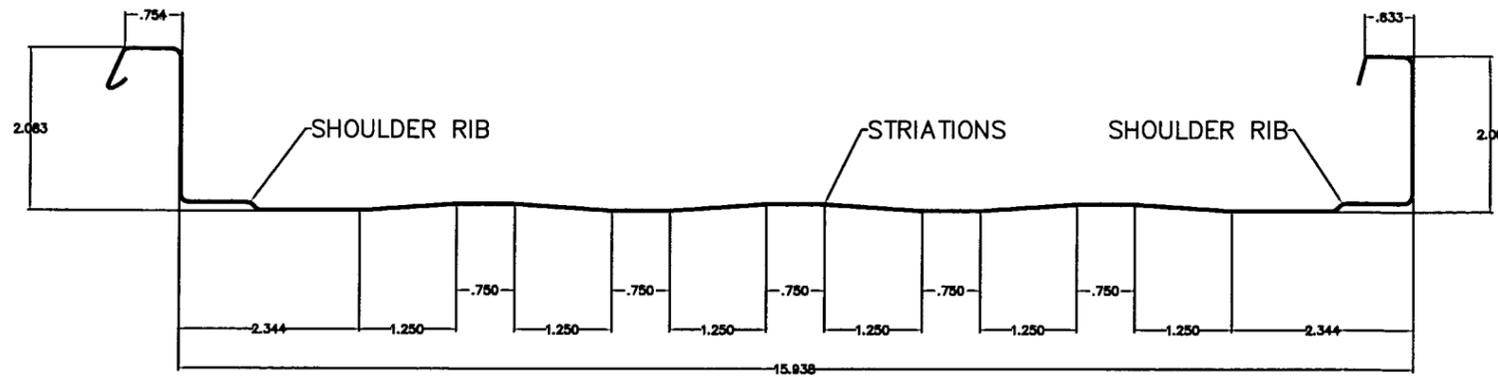
1. THE WEATHER LOK 16-24 ROOF PANELS SHALL BE USED FOR ROOF CONSTRUCTION ONLY. THE ACTUAL ROOF PROJECT SHALL BE CONSTRUCTED USING THE SAME DETAILS SHOWN ON THESE DRAWINGS INCLUDING:

- a. DETAILS, ALL PANEL MATERIAL CHARACTERISTICS AND SECTION WITH DIMENSION AND THICKNESS
- b. ERECTION DETAILS INCLUDING ALL CONNECTION'S FASTENERS DIAGRAM WITH SIZE AND LOCATION.
- c. PANEL MAXIMUM SPAN AND PRESSURE FOR THE FIELD, PERIMETERS AND CORNERS BASED ON PANEL ALLOWABLES SHOWN BELOW.

2. THE MAXIMUM ALLOWABLE SPANS AND UPLIFT PRESSURES FOR THE WEATHER LOK 16-24 STEEL ROOF PANEL ARE AS FOLLOWS:

MAXIMUM PANEL SPAN	MAXIMUM UPLIFT PRESSURE (psf)
1'-0"	133.40
1'-6"	122.53
2'-0"	111.66
2'-6"	100.79
3'-0"	89.92
3'-6"	79.06
4'-0"	68.19
4'-6"	57.32
5'-2"	42.80

3. ALL PANEL SUBMEMBERS SHALL BE MIN. 16 GA. (.056"). THEY ARE NOT PART OF APPROVAL AND SHALL BE REVIEWED STRUCTURALLY BY THE STRUCTURAL PLANS EXAMINER OF THE CORRESPONDING BUILDING DEPARTMENT FOR EACH JOB.



PANEL PROPERTIES						
PANEL GAGE	PAINTED PANEL THICKNESS	YIELD STRENGTH*	TENSILE STRENGTH*	ELONGATION*	STEEL COATING*	PAINT COATINGS
24	0.024" MIN.	50 KSI	65 KSI	26.5	AZ 55	KYNAR 500
*CONFORM TO ASTM A792 STRUCTURAL QUALITY GRADE 50						

PANEL ACCESSORIES

- #12-14 x 1 1/4" ULTIMATE LONG-LIFE ZINC-ALUMINUM HEAD SELF-DRILLING w/ .58 O.D. SEALING WASHER, BY ATLAS.
- #14 x 1 1/4" TEK-2 SELF-DRILLER, BY ATLAS
- #14-14 x 7/8" ULTIMATE SELF-DRILLER W/ .58 O.D. SEALING WASHER, BY ATLAS.
- #10 x 1" WOODTITE WOOD FASTENER w/DISH-BONDED ONE-PIECE SEALING WASHERS, BY ATLAS.
- SM5522 ACRYL-R ACRYLIC SEALANT, BY SCHNEE-MOREHEAD.

- 1" x 3/32" BUTYL TAPE
- 1 1/2" x 3/32" BUTYL TAPE
- 1 5/8" x 1/8" BUTYL TAPE
- 7/8" x 3/16" DOUBLE BEAD BUTYL TAPE
- 2 1/2" x 3/16" TRI-BEAD BUTYL TAPE
- WEATHER LOK LOW MOVABLE CLIP
- WEATHER LOK HIGH MOVABLE CLIP

Approved as complying with the Florida Building Code
 Date August 29, 2002
 NOA# 02-0508-01
 Miami Dade Product Control
 Division
 By Terrence E. Wolfe

MANUFACTURING ENGINEER
 TERENCE E. WOLFE, P.E.

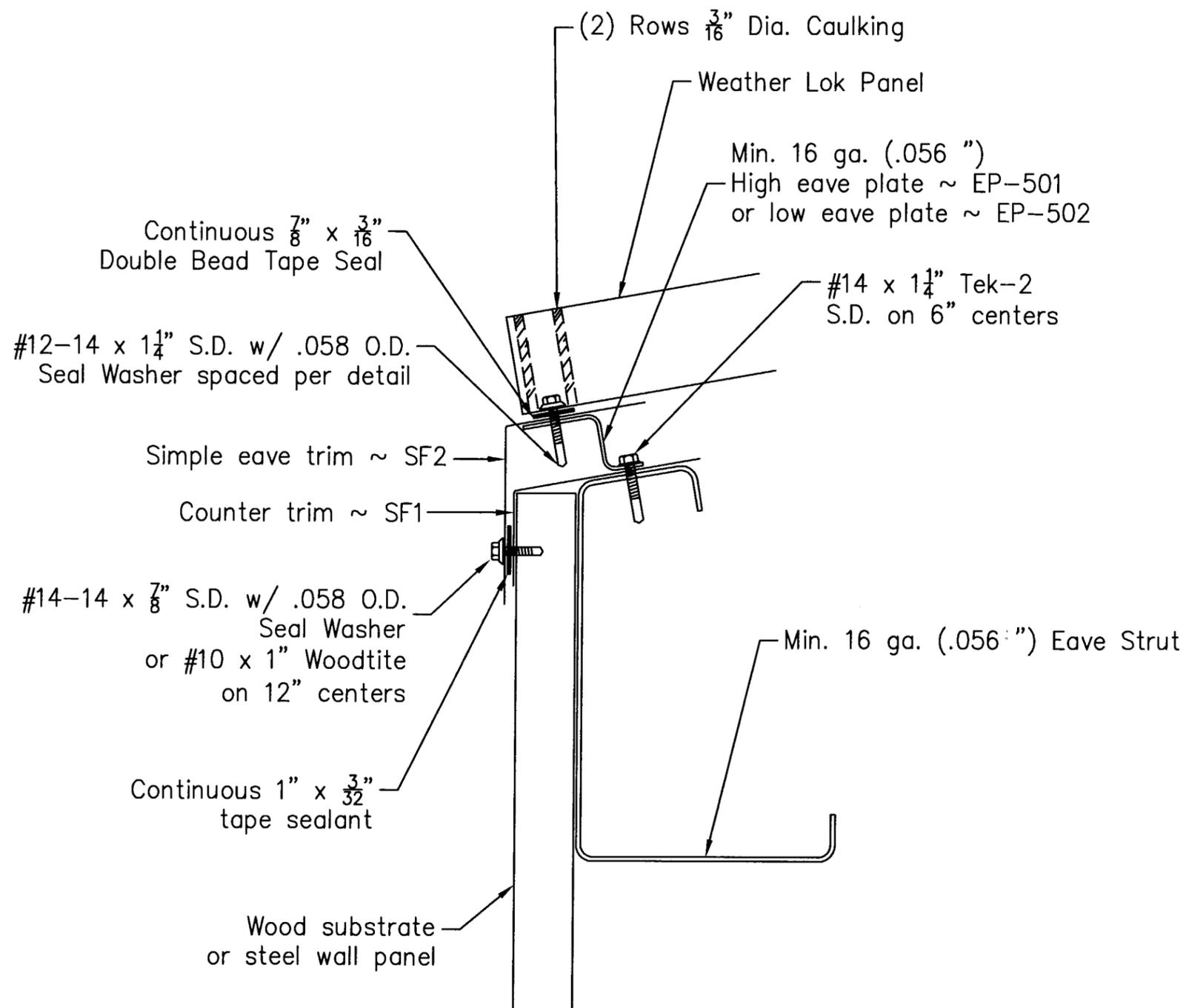
FLORIDA REGISTRATION NO.
 44923

WHIRLWIND BUILDING SYSTEMS WEATHER LOK 16-24

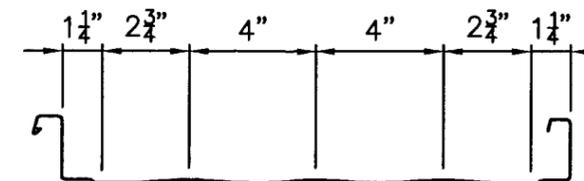


PROJECT	DADE COUNTY PRODUCT APPROVAL	REV.	BY	DESCRIPTION	DATE
SHEET TITLE	WEATHER LOK 16-24 DETAILS	DRAWN BY:		SCALE	3-27-02
LOCATION	DADE COUNTY, FLORIDA	CHECKED BY:		SCALE	N.T.S.
		PROJECT NUMBER		DRAWING NUMBER	SHEET NUMBER
				14003502	1 of 8

Terrence E. Wolfe
 APR 03 2002



LOW EAVE



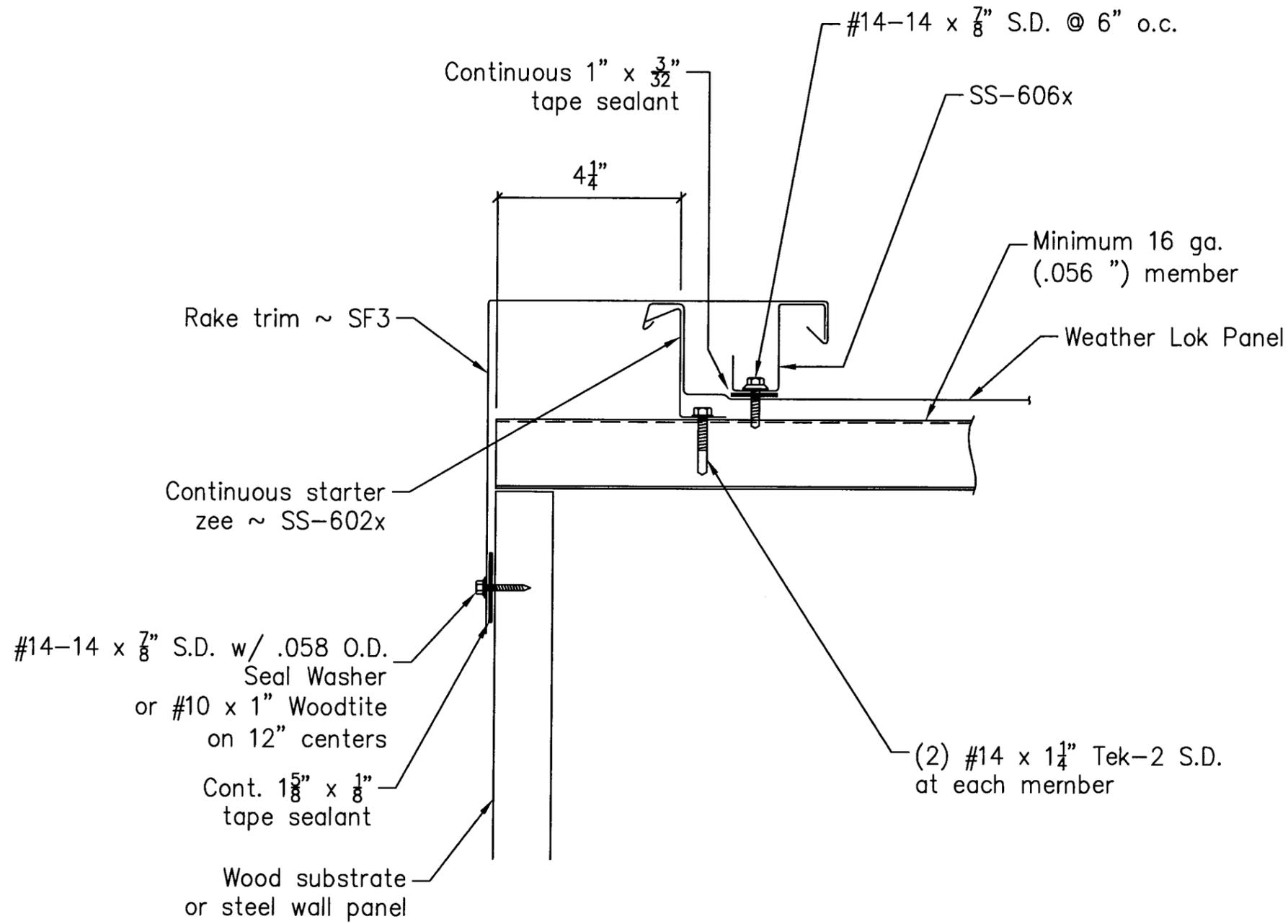
PANEL-EAVE FASTENERS

Approved as complying with the
Florida Building Code
Date August 29, 2002
NOAH 02-0568-01
Miami Dade Product Control
Division
By Clayton Borman

MANUFACTURING ENGINEER			
TERRENCE E. WOLFE, P.E.			
FLORIDA REGISTRATION NO.			
44923			
PROJECT			
WHIRLWIND BUILDING SYSTEMS WEATHER LOK 16-24			
		P.O. BOX 75280 • 8234 HANSEN HOUSTON, TX 77234-5280 • 713-946-7140	
DADE COUNTY PRODUCT APPROVAL			
REV.	BY	DESCRIPTION	DATE
DRAWN BY:		DATE 3-27-02	
CHECKED BY:		SCALE N.T.S.	
LOCATION		PROJECT NUMBER	DRAWING NUMBER SHEET NUMBER
DADE COUNTY, FLORIDA		14003502	2 of 8

Terrence Wolfe

APR 03 2002

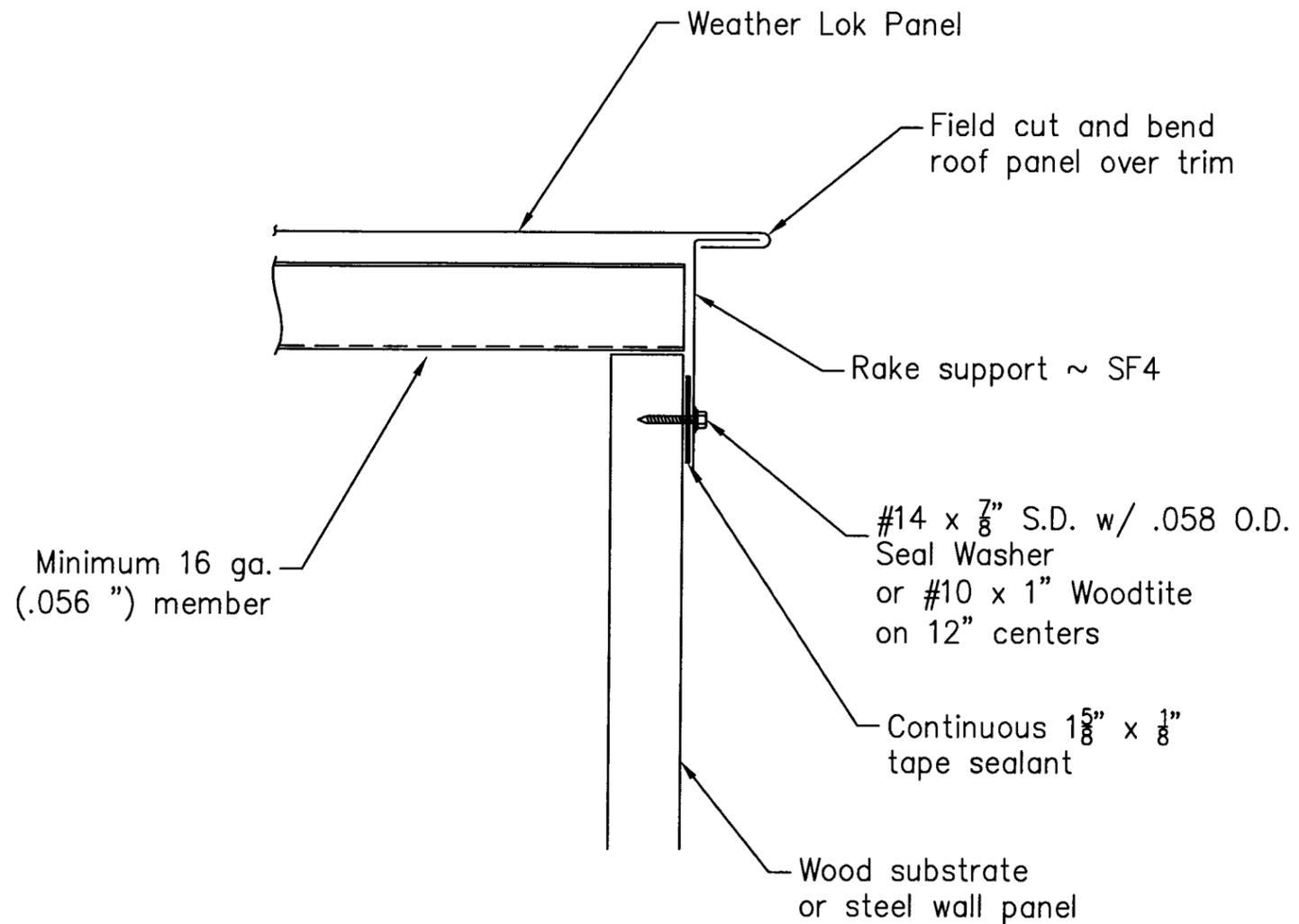


RAKE I

Terrence Wolfe
 APR 03 2002

Approved as complying with the
 Florida Building Code
 Date August 29, 2002
 NOAH 020508.01
 Miami Dade Product Control
 Division
 By [Signature]

MANUFACTURING ENGINEER			
TERRENCE E. WOLFE, P.E.			
FLORIDA REGISTRATION NO.			
44923			
WHIRLWIND BUILDING SYSTEMS WEATHER LOK 16-24			
			
P.O. BOX 75280 • 8234 HANSEN HOUSTON, TX 77234-5280 • 713-846-7140			
PROJECT			
DADE COUNTY PRODUCT APPROVAL			
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DRAWN BY:		DATE	
WEATHER LOK 16-24 DETAILS		3-27-02	
CHECKED BY:		SCALE	
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LOCATION		PROJECT NUMBER	DRAWING NUMBER
DADE COUNTY, FLORIDA		14003502	SHEET NUMBER
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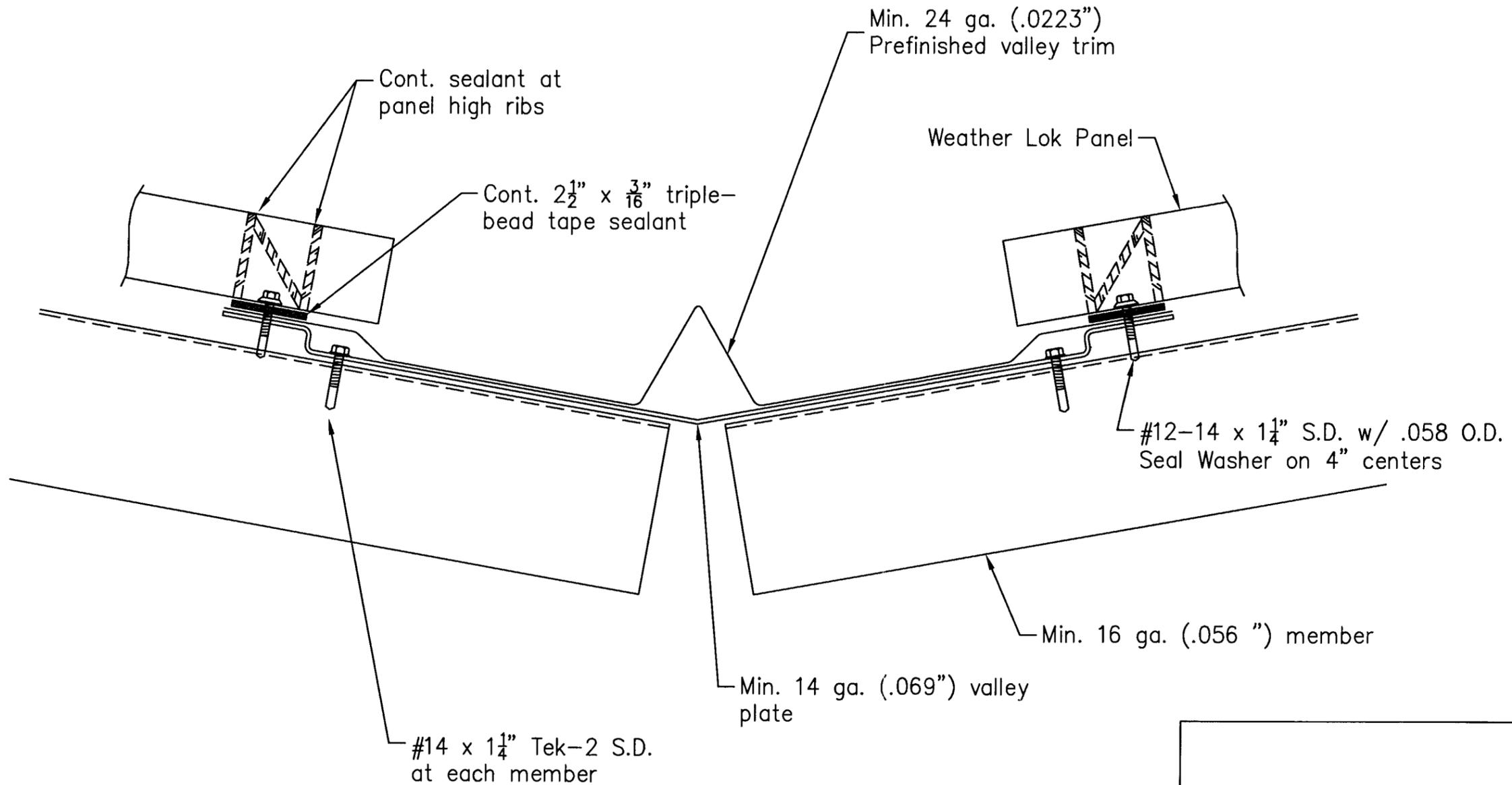


RAKE II

Approved as complying with the Florida Building Code
 Date AUGUST 29, 2002
 NOA# 02-0508.01
 Miami Dade Product Control Division
 By: *[Signature]*

MANUFACTURING ENGINEER			
TERRENCE E. WOLFE, P.E.			
FLORIDA REGISTRATION NO.			
44923			
WHIRLWIND BUILDING SYSTEMS WEATHER LOK 16-24			
 <small>P.O. BOX 75280 • 8234 HANSEN HOUSTON, TX 77234-5280 • 713-946-7140</small>			
PROJECT			
DADE COUNTY PRODUCT APPROVAL			
REV.	BY	DESCRIPTION	DATE
DRAWN BY:		DATE	
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CHECKED BY:		SCALE	
		N.T.S.	
LOCATION		PROJECT NUMBER	DRAWING NUMBER SHEET NUMBER
DADE COUNTY, FLORIDA			14003502 5 of 8

[Signature]
 APR 03 2002



VALLEY

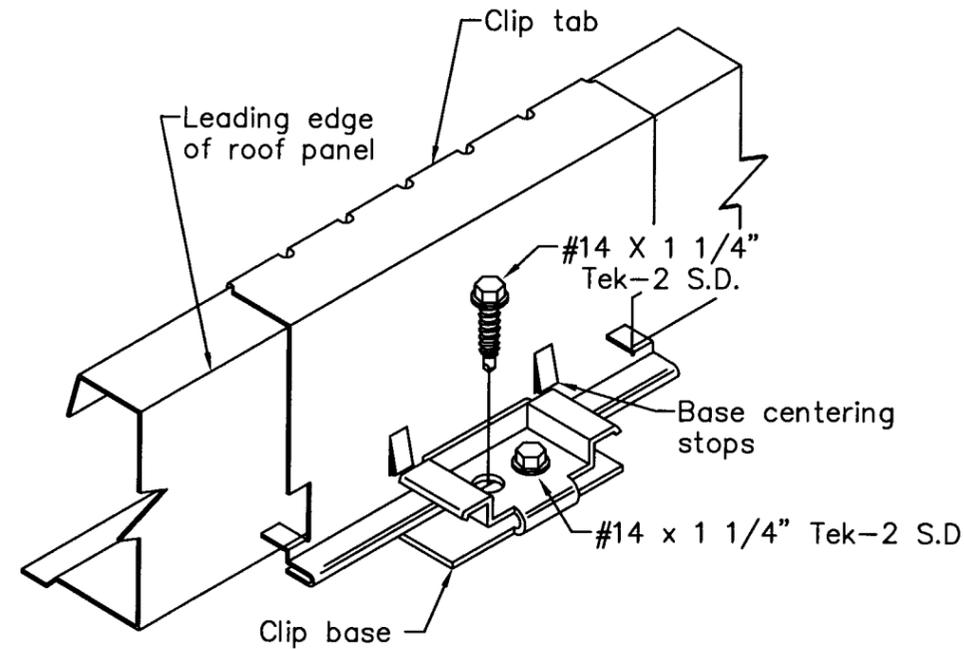
Approved as complying with the
 Florida Building Code
 Date August 29, 2002
 NOA# 02-0508.01
 Miami Dade Product Control
 Division
 By: *[Signature]*

MANUFACTURING ENGINEER			
TERRENCE E. WOLFE, P.E.			
FLORIDA REGISTRATION NO.			
44923			
WHIRLWIND BUILDING SYSTEMS WEATHER LOK 16-24			
			
<small>P.O. BOX 75280 • 8234 HANSEN HOUSTON, TX 77234-5280 • 713-946-7140</small>			
PROJECT	DADE COUNTY PRODUCT APPROVAL	REV.	BY
SHEET TITLE	WEATHER LOK 16-24 DETAILS	DATE	3-27-02
LOCATION	DADE COUNTY, FLORIDA	SCALE	N.T.S.
PROJECT NUMBER	14003502	DRAWING NUMBER	6 of 8

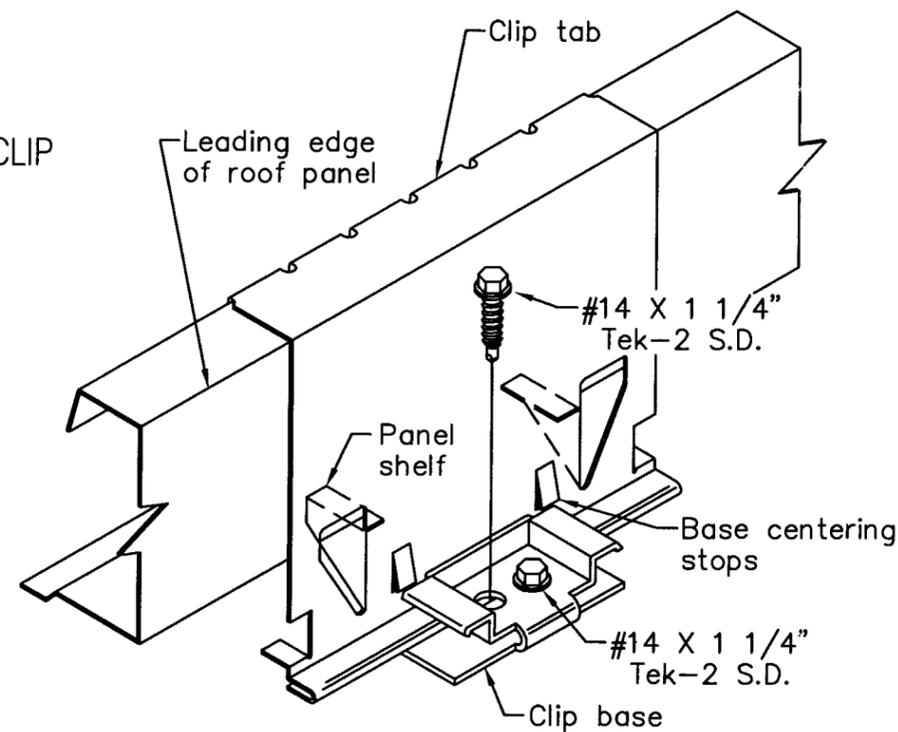
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 APR 03 2002

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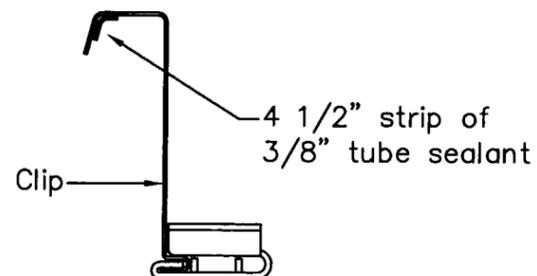
1. There are two types of clips that can be furnished with this roof system, the 3/8" stand-off and the 1-3/8" stand-off. Both of these are floating clips.
2. Thermal spacers are required with the 1-3/8" stand-off clip.
3. Apply a 4-1/2" strip of 3/8" x 3/32" tube sealant to the underside of each clip before installation per Detail "A".
4. Install panel clips along the male edge of the panel at each purlin location.
5. Attach clip to purlin with (2) #14 x 1-1/4" Tek-2 self-drilling screws per clip.



3/8" STAND-OFF CLIP
WL-16 Low Clip
(MC 120310)



1 3/8" STAND-OFF CLIP
WL-16 High Clip
(MC 121310)



DETAIL "A"

Approved as complying with the
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Date August 29, 2002
NOA# 02-0508-01
Miami Dade Product Control
Division
By: *[Signature]*

MANUFACTURING ENGINEER

TERRENCE E. WOLFE, P.E.

FLORIDA REGISTRATION NO.

44923

WHIRLWIND BUILDING SYSTEMS WEATHR LOK 16-24



PROJECT

DADE COUNTY PRODUCT APPROVAL

SHEET TITLE

WEATHER LOK 16-24 DETAILS

LOCATION

DADE COUNTY, FLORIDA

REV.

BY

DATE

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PROJECT NUMBER

DRAWING NUMBER

SHEET NUMBER

DESCRIPTION

DATE

SCALE

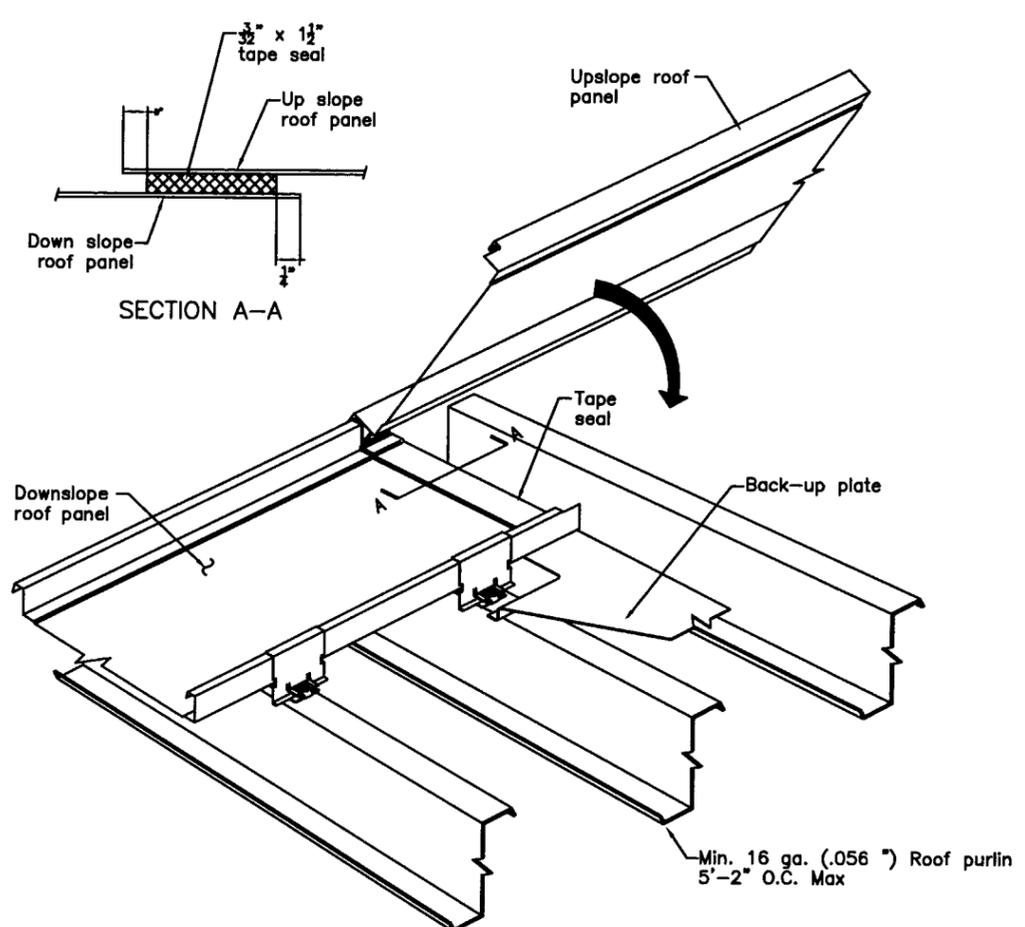
14003502

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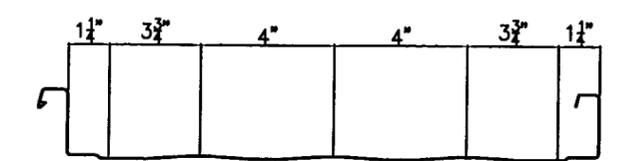
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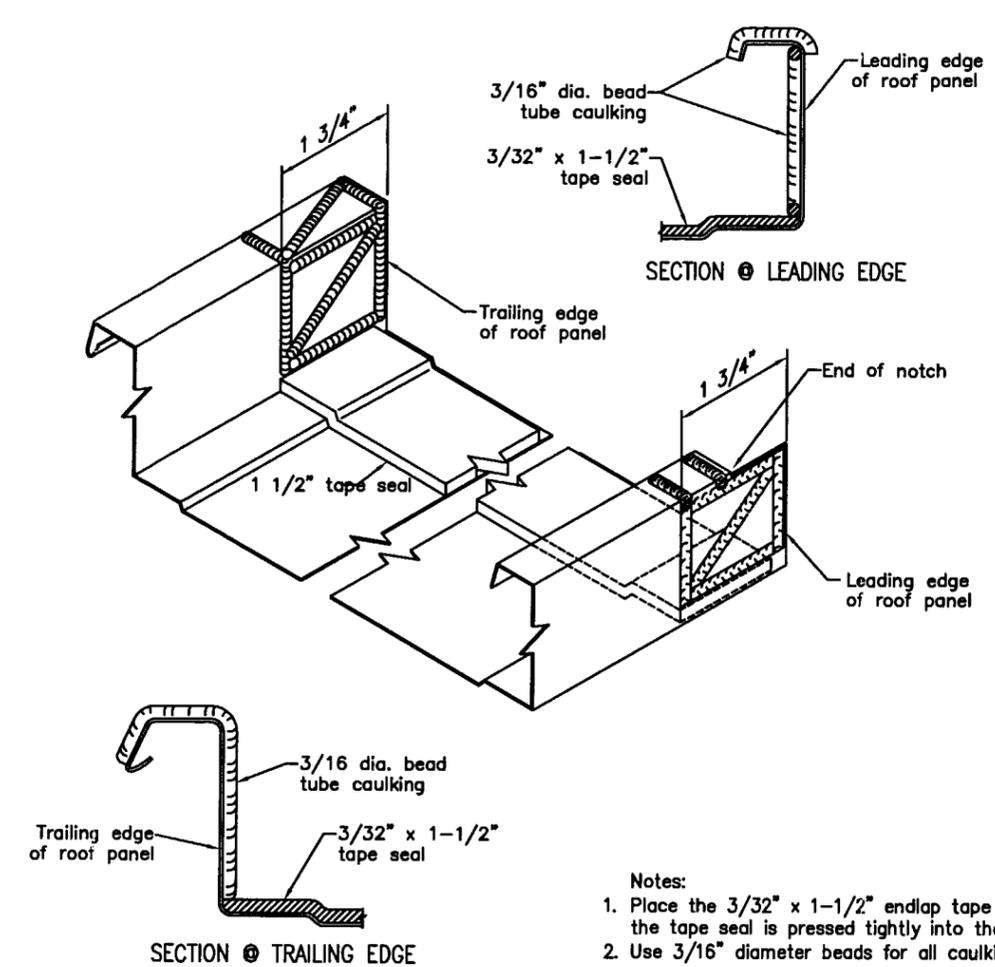
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APR 03 2002



- Notes:
1. Position the up slope panel so the total panel lap is 2".
 2. The endlap tape seal and the up slope panel are positioned so their edges are 1/4" apart. (See section above)
 3. When placing the up slope panel care must be taken to prevent moving or wiping the tape seal and caulking from the down slope panel.



LAP FASTENERS



- Notes:
1. Place the 3/32" x 1-1/2" endlap tape seal as shown in the above illustrations. Make sure the tape seal is pressed tightly into the panel bends and corners.
 2. Use 3/16" diameter beads for all caulking shown. Caulking can not have any gaps.

Approved as complying with the
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 Date August 29, 2002
 NOAH 62-050B-01
 Miami Dade Product Control
 Division
 By: Clarence Berman

MANUFACTURING ENGINEER			
TERRENCE E. WOLFE, P.E.			
FLORIDA REGISTRATION NO.			
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WHIRLWIND BUILDING SYSTEMS WEATHER LOK 16-24			
WHIRLWIND BUILDING SYSTEMS <small>P.O. BOX 75290 • 8234 HANSEN HOUSTON, TX 77234-5290 • 713-946-7140</small>			
PROJECT			
DADE COUNTY PRODUCT APPROVAL			
REV.	BY	DESCRIPTION	DATE
DRAWN BY:		DATE	
WEATHER LOK 16-24 DETAILS		3-27-02	
CHECKED BY:		SCALE	
		N.T.S.	
LOCATION		PROJECT NUMBER	DRAWING NUMBER
DADE COUNTY, FLORIDA		14003502	SHEET NUMBER
			8 of 8

Terrence E. Wolfe

APR 03 2002