



**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)

**Copper Sales, Inc.
1950 N.W. 18th Street
Pompano Beach, Florida 33069**

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: (UC – 6) Structural Standing Seam Roof Panel System

APPROVAL DOCUMENT: Drawing No. UC-6, titled "Copper Sales, Inc. UC-6 Structural Standing Seam System", sheets 1 through 6 of 6, prepared by Terrence E. Wolfe, P.E., dated January 07, 2003, 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: Large and Small Missile Impact

LABELING: Each panel shall bear a permanent label with the manufacturer's name or logo, city, state and the 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.

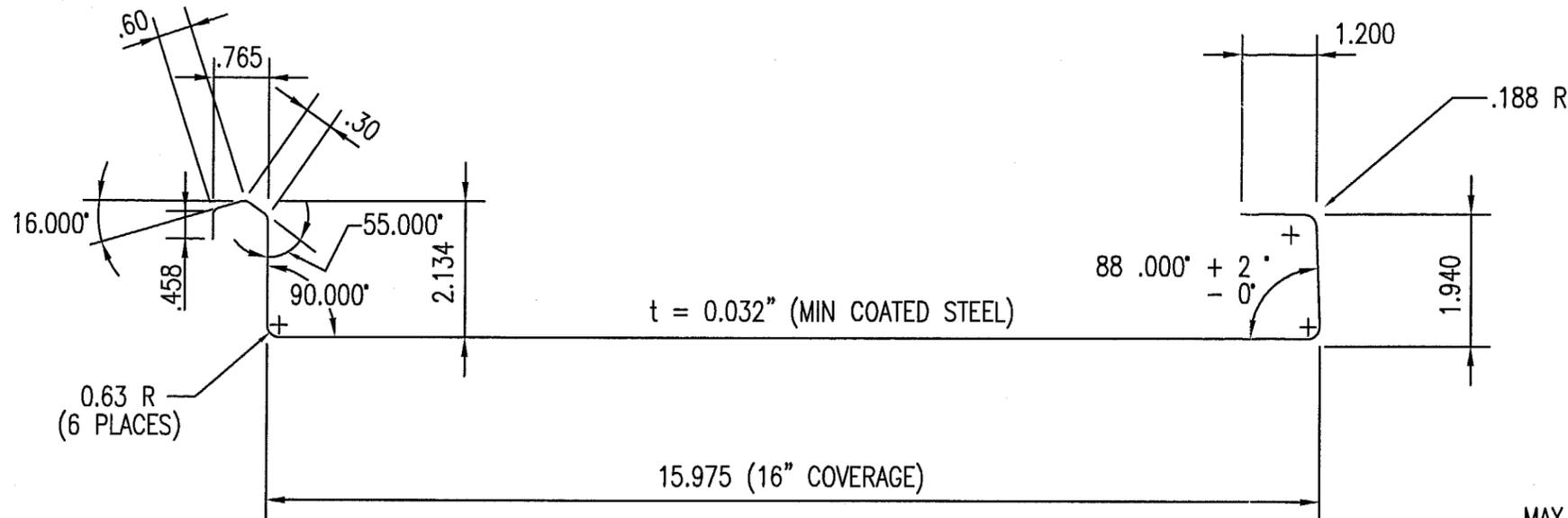
ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

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 **Helmy A. Makar, P.E.**



**NOA No 01-0509.12
Expiration Date: 02/06/2008
Approval Date: 02/06/2003
Page 1**



UC-6 CROSS SECTION

NOTES:

1. THE 22 GAGE (.032 MIN.COATED) UC-6 STANDING SEAM 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 OF ALL PANEL MATERIAL CHARACTERISTICS AND SECTIONS WITH DIMENSIONS AND THICKNESS.
 - b. ASSEMBLY 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 (.032" MIN. COATED) UC-6 STEEL ROOF PANEL SHALL BE BASED ON THE FOLLOWING PANEL'S ALLOWABLES:

MAX. ALLOWABLE BENDING MOMENT OF PANEL AT SUPPORTS = 80.83 FT-LBS
 MAX. ALLOWABLE BENDING MOMENT OF PANEL BETWEEN SUPPORTS = 47.17 FT-LBS
 MAX. ALLOWABLE PANEL REACTION AT SUPPORTS = 251 LBS
 MAX. ALLOWABLE DEFLECTION OF PANEL = L/240
 PANEL'S EI VALUE = 1,730,754.6 LBS-IN²

TO OBTAIN THE MAXIMUM ALLOWABLE DESIGN UPLIFT PRESSURE USE THE LOWEST PRESSURE OBTAINED FROM THE ABOVE PANEL ALLOWABLES AND MULTIPLY IT BY 12/16.

3. MAXIMUM ALLOWABLE PANEL SPAN IS 5 FEET.
4. ALL PANEL ATTACHMENT CHANNELS SHALL BE ATTACHED TO STEEL SUPPORT MEMBERS WITH 0.0575" MINIMUM THICKNESS.
5. PANEL END LAPS ARE NOT PERMITTED.

PANEL PROPERTIES

PANEL THICKNESS	YIELD STRENGTH	TENSILE STRENGTH	ELONGATION	STEEL COATING	PAINT COATINGS
.032" MIN. COATED	50 KSI	60	20	AZ 55	PVF2

PANEL ACCESSORIES

DYNAMIC FASTENERS
9911 E. 53RD. STREET
RAYTOWN (K.C.) MO 64133

1/4-14 X 7/8" LONG HWH T-1 SCOTS SELF DRILLER W/BONDED NEOP. WASHER W/LONGLIFE COATING AND STAINLESS CAP

1/4-14 X 1 1/4" LONG HWH T-3 SELF DRILLER W/BONDED NEOP. WASHER W/LONGLIFE COATING

12 X 1 1/4" LONG PANCAKE HEAD SELF DRILLER MINIMUM 8u ZINC COATING

1/8" X 1"

1/8" X 1" BUTYL TAPE #TC95-35 ISOBUTYLENE TRIPOLYMER TAPE

ONE-PART, MOISTURE CURING, POLYURETHANE SEALANT

POLYURETHANE SEALANT

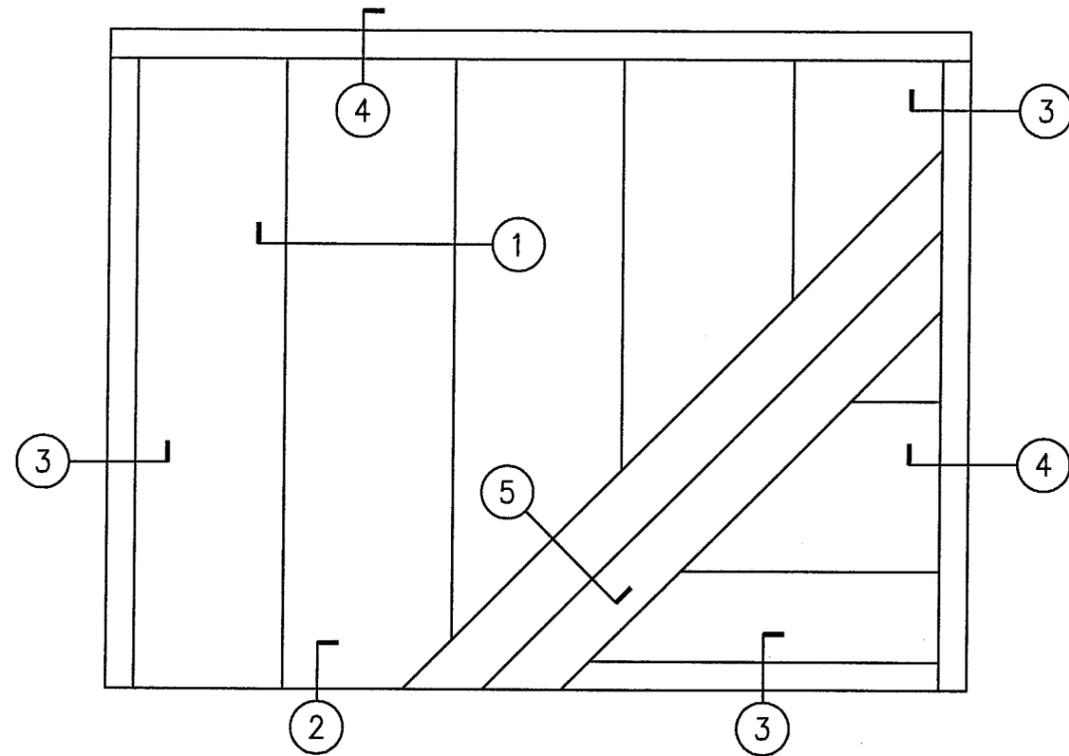
CLOSED CLIP OPEN CLIP

UC-6 CLIPS

Terrence Wolfe
5/1/03

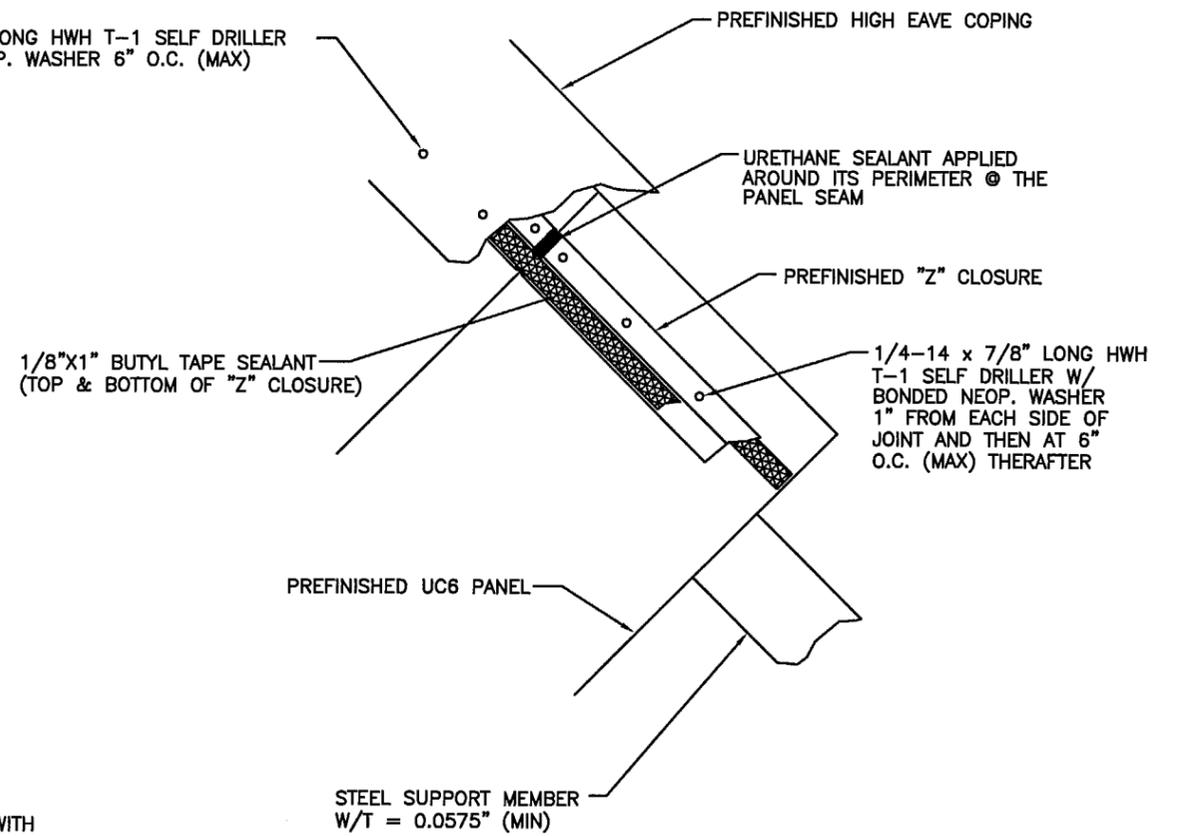
Approved as complying with the Florida Building Code
 Date 02/06/2003
 NOA# 01-0509-12
 Miami Dade Product Control Division
 By Helmut A. Nelson

MANUFACTURING ENGINEER		TERRENCE E. WOLFE, P.E. DISCIPLINE : CIVIL	
FLORIDA REGISTRATION NO.		44923	
COPPER SALES, INC. UC-6 STRUCTURAL STANDING SEAM SYSTEM			
COPPER SALES, INC.		UNA-CLAD PRODUCTS	
COPPER SALES, INC. 1001 LUND BOULEVARD ANOKA, MINNESOTA 55303			
PROJECT	DADE COUNTY PRODUCT APPROVAL	REL. BY	DESCRIPTION
SHEET TITLE	UC-6 DETAILS	DATE	01/07/03
LOCATION	DADE COUNTY, FLORIDA	CHECKED BY	SCALE: NTS
		PROJECT NUMBER	DRAWING NUMBER
			UC-6
			1

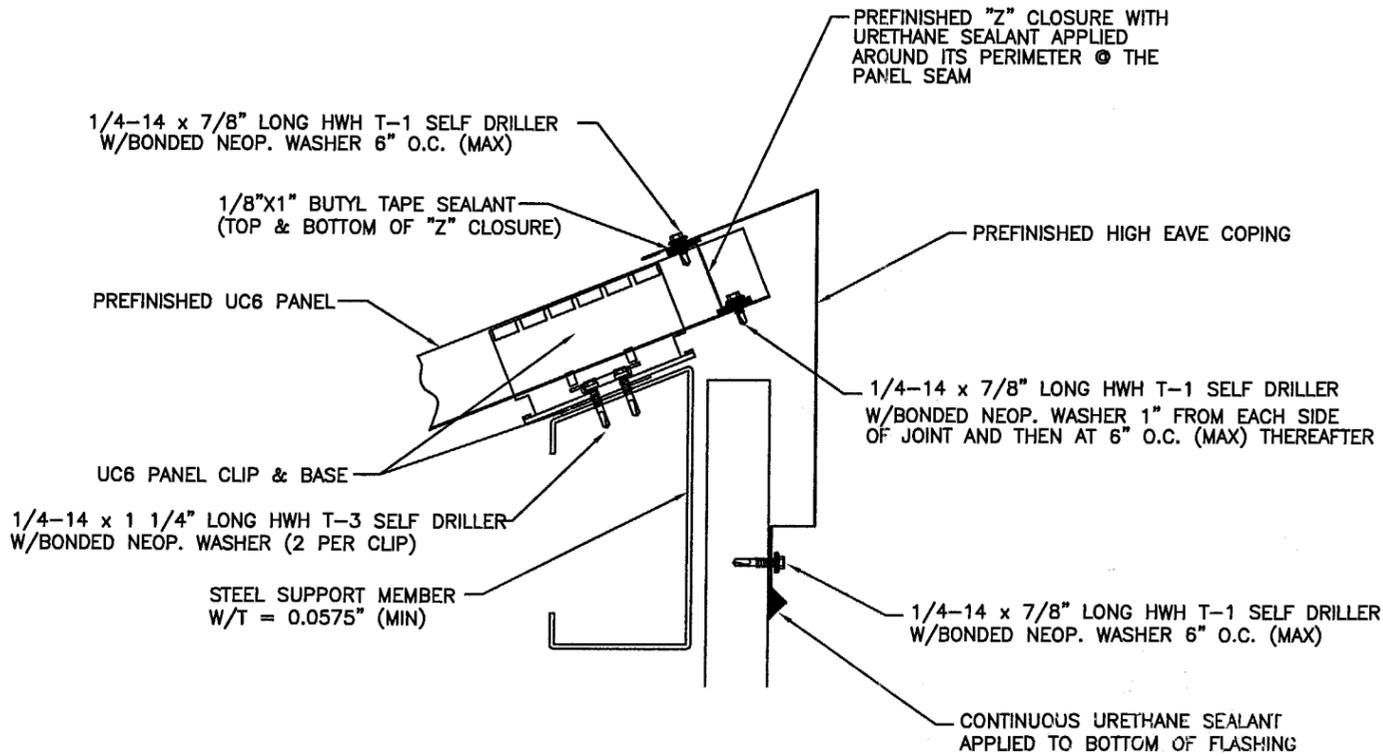
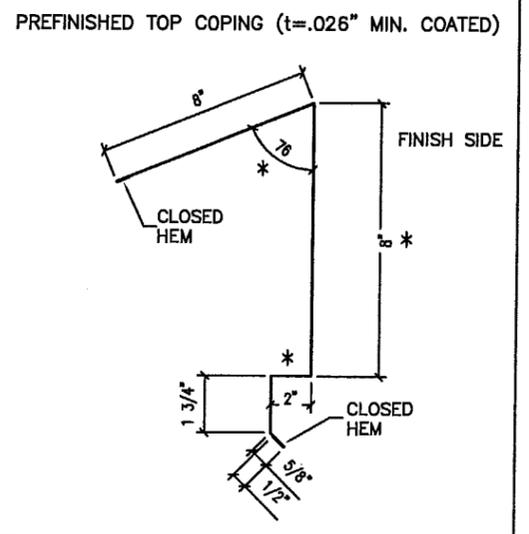
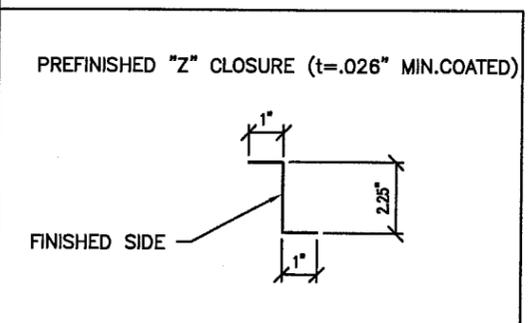


UC-6 WIND DRIVEN RAIN TEST PLAIN

1/4-14 x 7/8" LONG HWH T-1 SELF DRILLER W/BONDED NEOP. WASHER 6" O.C. (MAX)



PLAIN VIEW AT HIGH EAVE



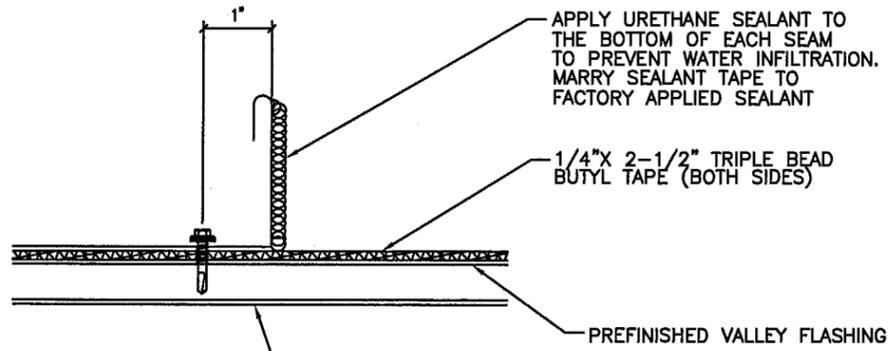
SECTION THRU HIGH EAVE SECTION ④

* ASTERICK ITEMS ARE ADJUSTED TO FIELD SPECIFIC CONDITIONS.

Terrence E. Wolfe
01/07/03

Approved as complying with the Florida Building Code
 Date 02/06/2003
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 Miami Dade Product Control Division
 By Helmut A. Miller

MANUFACTURING ENGINEER		TERRENCE E. WOLFE, P.E. DISCIPLINE : CML	
FLORIDA REGISTRATION NO.		44923	
COPPER SALES, INC. UC-6 STRUCTURAL STANDING SEAM SYSTEM			
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COPPER SALES, INC. 1001 LUND BOULEVARD ANOKA, MINNESOTA 55303			
PROJECT	DADE COUNTY PRODUCT APPROVAL	REL. BY	DATE
SHEET TITLE	UC-6 DETAILS	DRWN BY: TEW	REVISION DATE: 01/07/03
LOCATION	DADE COUNTY, FLORIDA	CHECKED BY:	SCALE: NTS
		PROJECT NUMBER	SHEET NUMBER
		UC-6	2



VALLEY PALTE (CONT.)
W/T = 0.0575" (MIN)

SEAL AT BOTTOM OF PANEL

PREFINISHED UC6 PANEL

1/4-14 x 1 1/4" LONG HWH T-3 SELF DRILLER
W/BONDED NEOP. WASHER 6" O.C. (MAX)

6" O.C. (MAX)

APPLY URETHANE SEALANT TO THE BOTTOM OF EACH SEAM TO PREVENT WATER INFILTRATION. MARRY SEALANT TAPE TO FACTORY APPLIED SEALANT

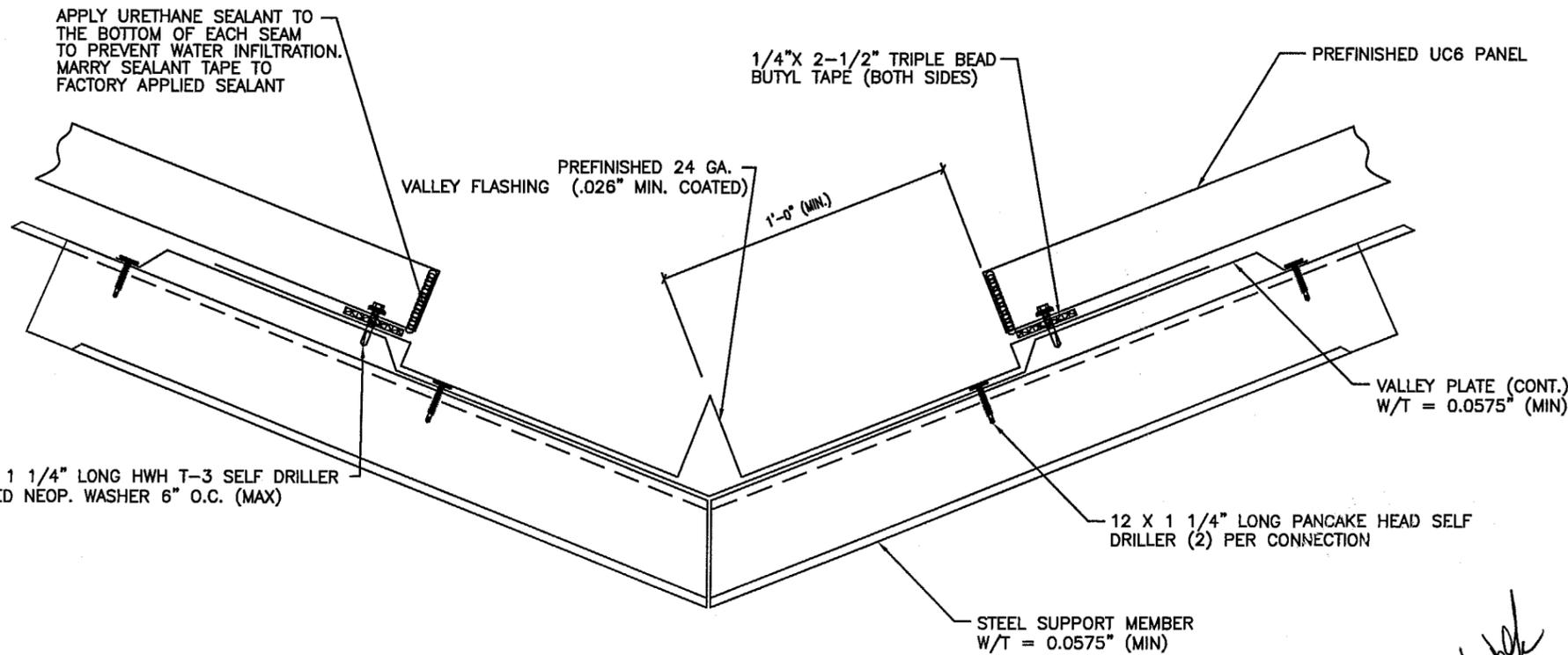
CONTINUOUS 1/4" x 2 1/2" TRIPLE BEAD BUTYL TAPE SEAL (BOTH SIDES)

VALLEY PALTE (CONT.)
W/T = 0.0575" (MIN)

PREFINISHED 24 GA. (.026" MIN. COATED) VALLEY FLASHING

PLAIN VIEW AT VALLEY

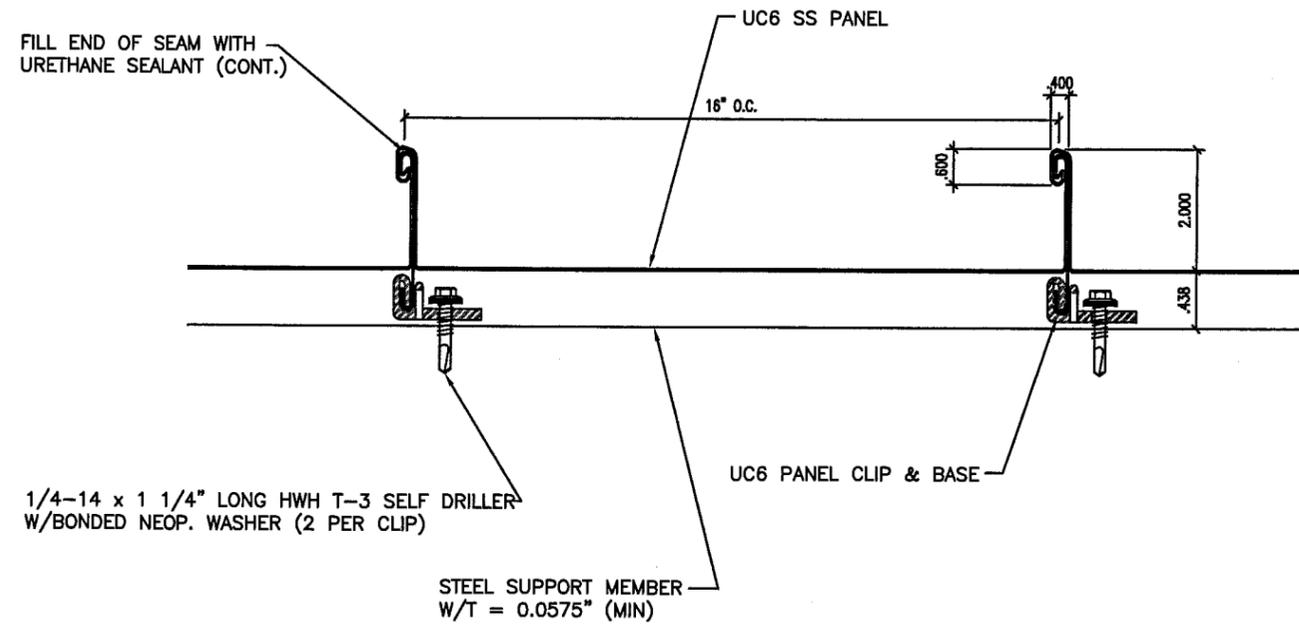
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NOA# 01-0509.12
Miami Dade Product Control
Division
By Helmut A. Mader



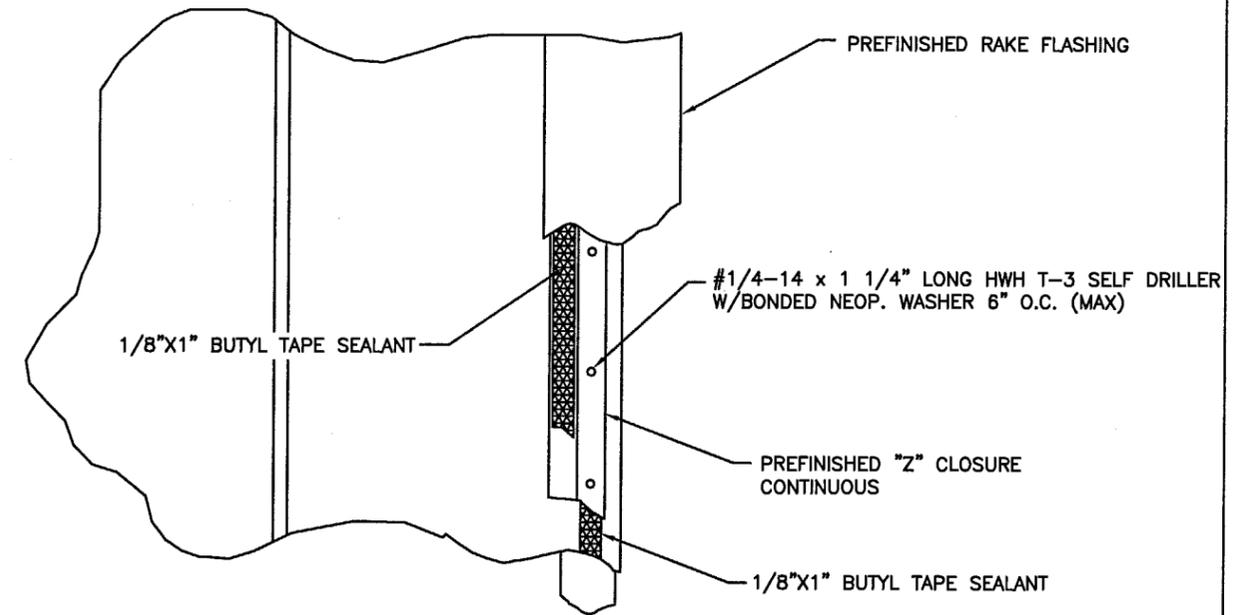
SECTION THRU VALLEY
SECTION (5)

Terrence Wolfe
01/09/03

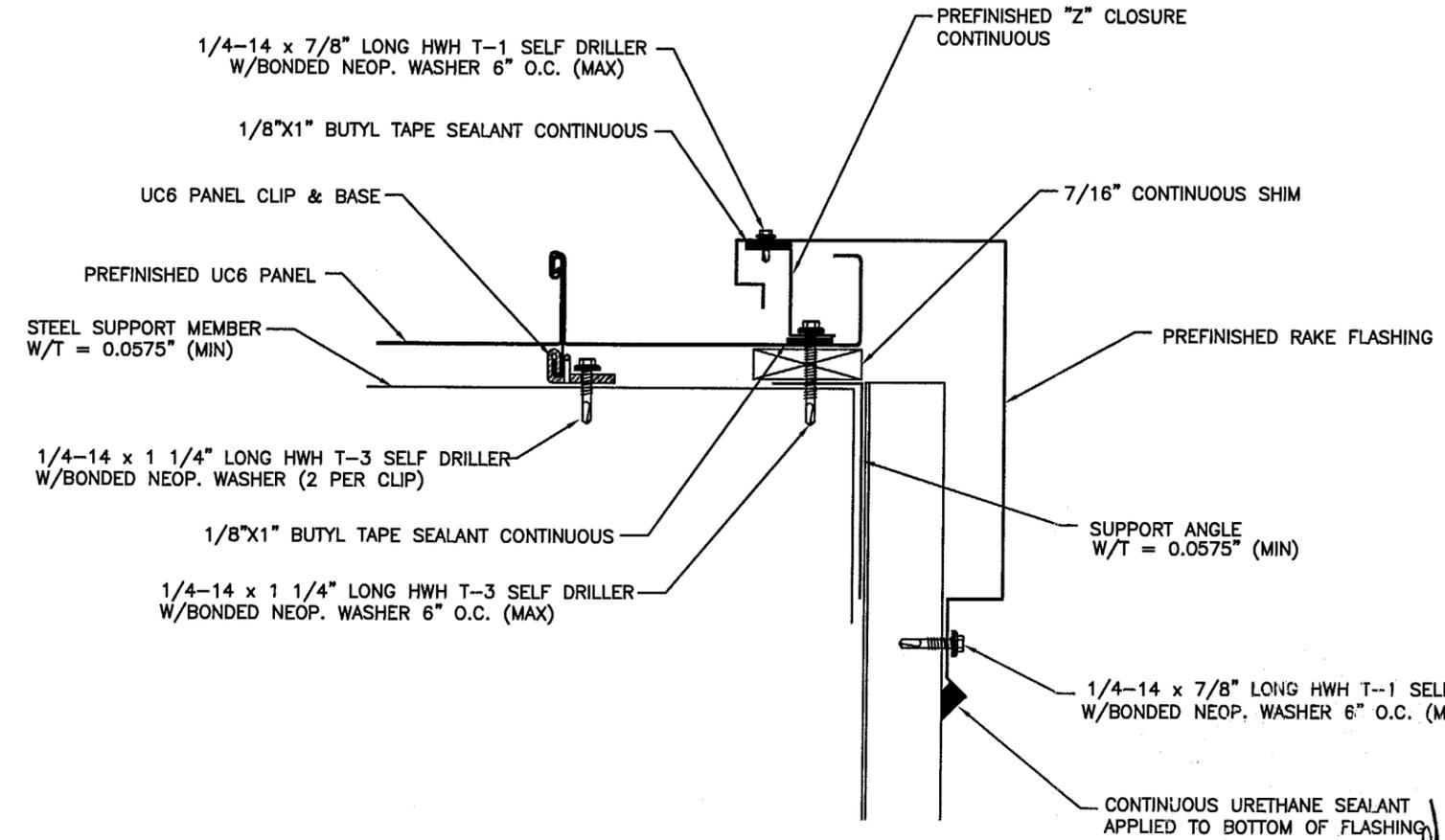
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SHEET TITLE	UC-6 DETAILS	DATE	01/07/03
LOCATION	DADE COUNTY, FLORIDA	CHECKED BY	SCALE: NTS
		PROJECT NUMBER	CUSTOMER NUMBER
			UC-6
			SHEET NUMBER
			3



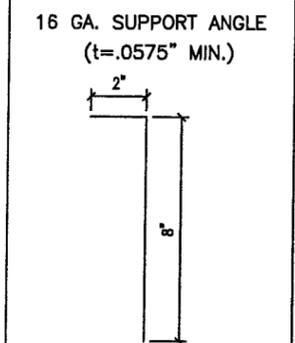
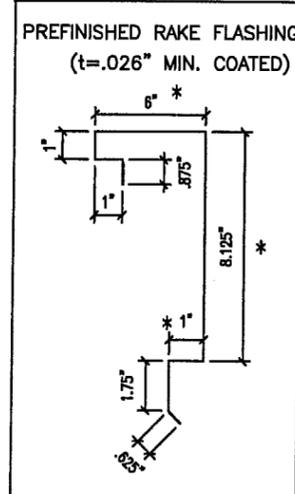
UC-6 STANDING SEAM PANEL SUPPORT DETAILS
SECTION ①



PLAIN VIEW AT RAKE



SECTION THRU RAKE
SECTION ③

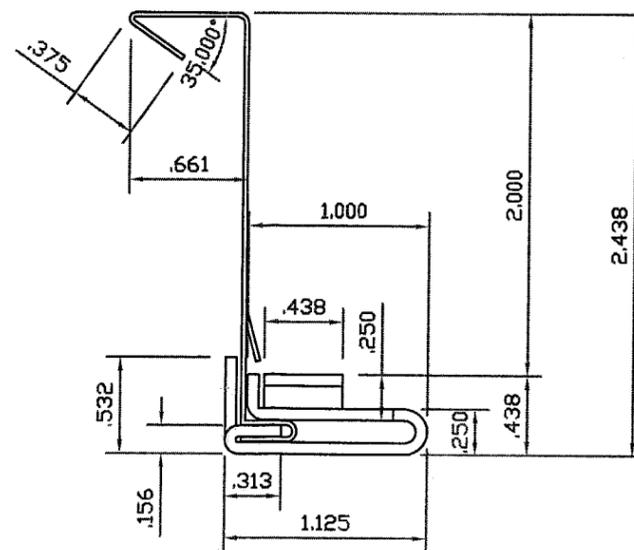
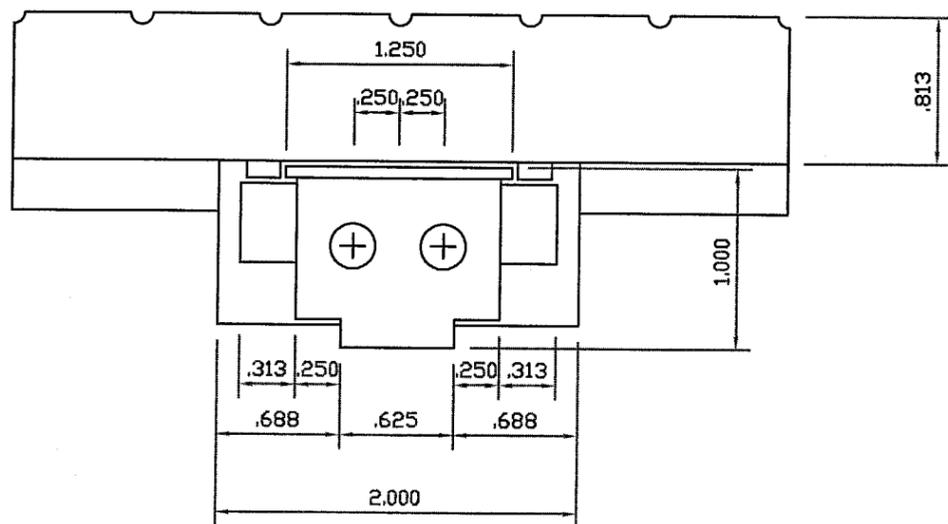
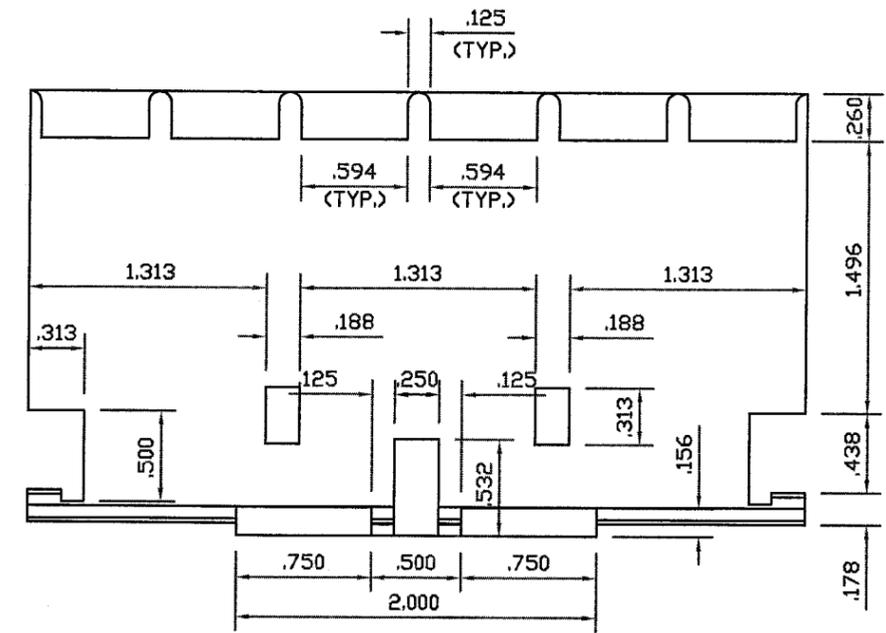
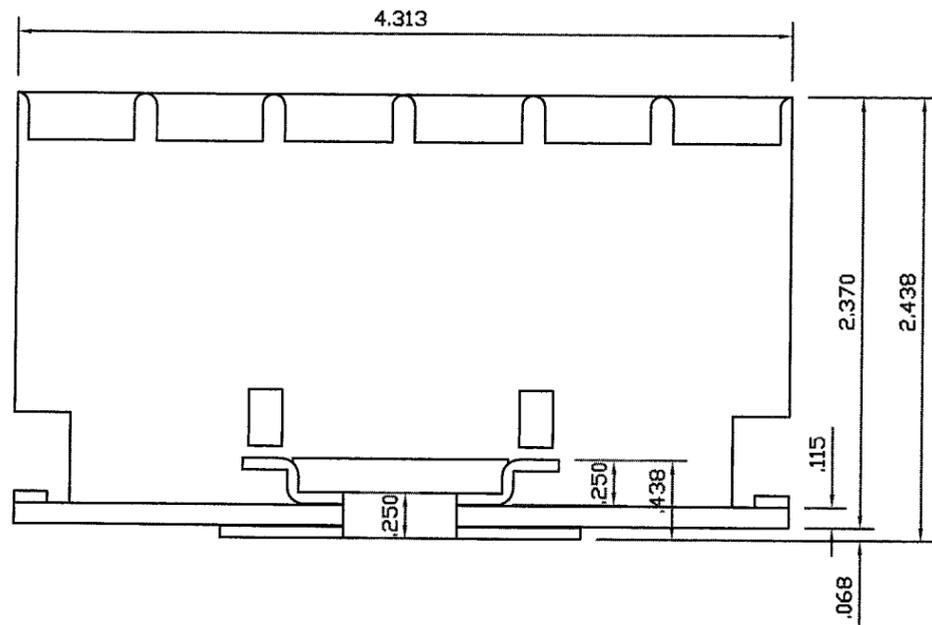


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Terrence Wolfe
01/07/03

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By Helmy A. Madar

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REL	BY	DESCRIPTION
	TEW	REVISION DATE
		01/07/03
		SCALE: NTS
PROJECT NUMBER	UC-6	SHEET NUMBER
		4



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UC-6 CLIP DETAILS

THICKNESS: 20 GA. (.035" MIN. COATED) TOP & 16 GA. (.0575" MIN.) BASE
 MATERIAL: GALV. STEEL
 FINISH: MILL

Terrence Wolfe
 01/09/03

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LOCATION	DADE COUNTY, FLORIDA	CHECKED BY	NTS
		PROJECT NUMBER	UC-6
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