



**MIAMI-DADE COUNTY**  
 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)**

[www.miamidade.gov](http://www.miamidade.gov)

**McElroy Metal, Inc.**  
**1500 Hamilton Road**  
**Bossier City, LA 71111**

**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: (Mega-Rib) 0.023" (min.) Steel Metal Roof Panel**

**APPROVAL DOCUMENT:** Drawing No. E, titled "Mega-Rib 24 GA. Details", sheets 1 through 5 of 5, prepared by Terrence E. Wolfe, P.E., dated December 08, 2005, last revision #A dated February 08, 2007, signed and sealed by Terrence E. Wolfe, P.E. on July 08, 2008 bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and the 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, evidence submitted page E-1 as well as approval document mentioned above. The submitted documentation was reviewed by **Helmy A. Makar, P.E., M.S.**



*Helmy A. Makar*  
 08/14/2008

**NOA No. 07-1029.11**  
**Expiration Date: 08/14/2013**  
**Approval Date: 08/14/2008**

**McElroy Metal, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. *Drawing No. E, titled "Mega-Rib 24 GA. Details", sheets 1 through 5 of 5, prepared by Terrence E. Wolfe, P.E., dated December 08, 2005, last revision #A dated February 08, 2007, signed and sealed by Terrence E. Wolfe, P.E. on July 08, 2008.*

**B. TESTS**

1. *Test report on Large Missile Impact Test, per TAS 201, on 24 ga. Mega-Rib Roof Panel, prepared by Farabaugh Engineering and Testing, Inc., Report No. T232-05, dated 07/31/2007, signed and sealed by Daniel G. Farabaugh, P.E.*
2. *Test report on Uniform Static Air Pressure, ASTM 1592-01, on 24 ga. Mega-Rib Roof Panel, prepared by Farabaugh Engineering and Testing, Inc., Report No. T211-05, dated 07/31/2007, signed and sealed by Daniel G. Farabaugh, P.E.*
3. *Susceptibility to leakage test in accordance with Miami-Dade county Protocol PA 114 Appendix G on 24 ga. Mega-Rib Roof Panel, prepared by Farabaugh Engineering and Testing, Inc., Report No. T244-06, dated 07/31/2007, signed and sealed by Daniel G. Farabaugh, P.E.*

**C. CALCULATIONS**

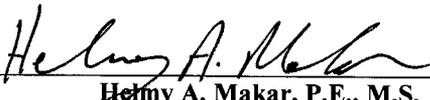
1. *Calculations titled "Mega-Rib - 24 ga", pages 1 through 30, prepared by Terrence E. Wolfe, P.E., signed and sealed by Terrence E. Wolfe P.E.*

**D. QUALITY ASSURANCE**

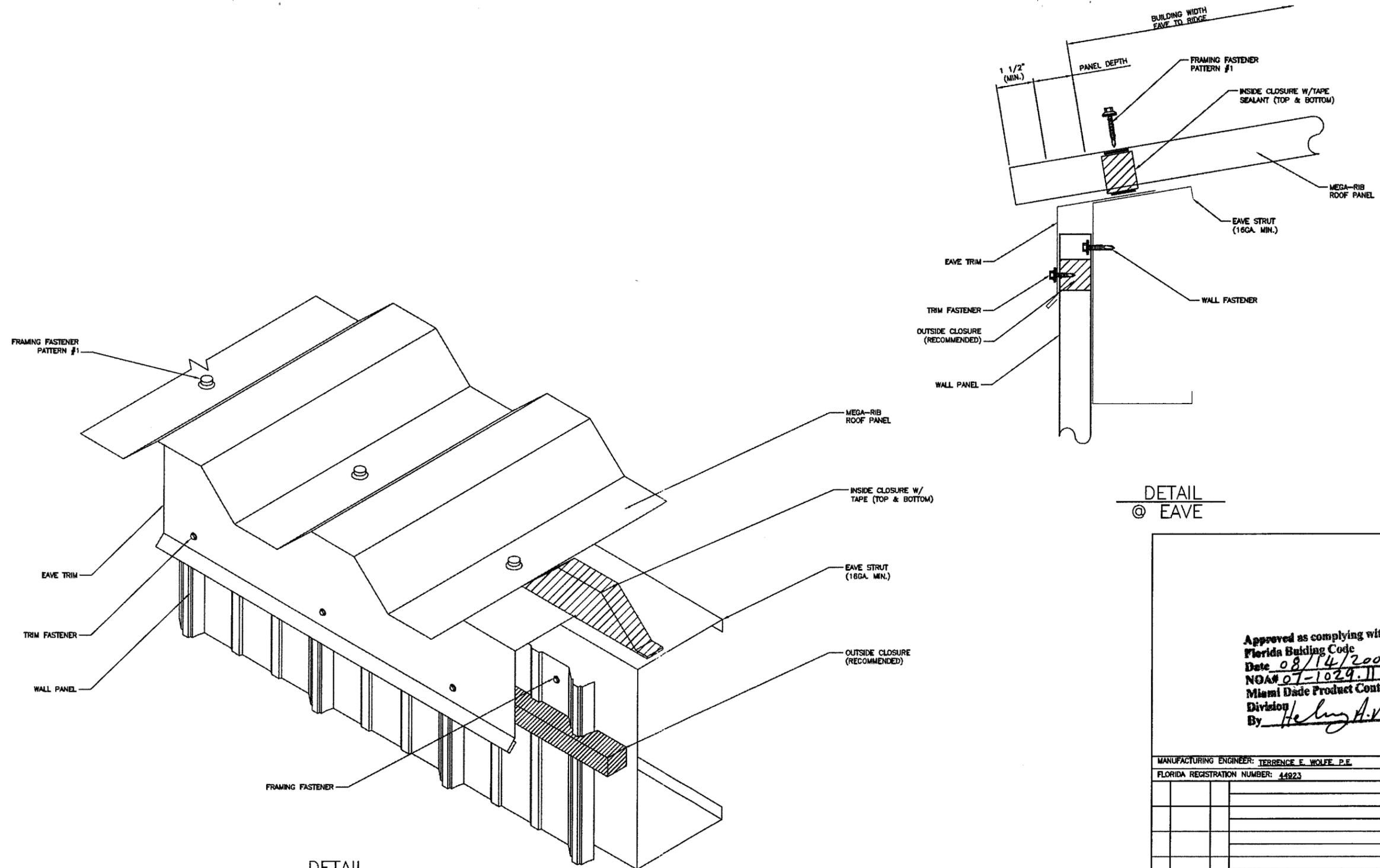
1. *By Miami-Dade County Building Code Compliance Office.*

**E. MATERIAL CERTIFICATIONS**

1. *Tensile Test File No. T232-05, prepared by West Penn Testing Laboratories, Inc., dated 10/07/2005, signed Todd A. Ault (M.E.T.).*
2. *Tensile Test File No. T211-05, prepared by West Penn Testing Laboratories, Inc., dated 10/07/2005, signed Todd A. Ault (M.E.T.).*

  
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**Helmy A. Makar, P.E., M.S.**  
**Product Control Examiner**  
**NOA No. 07-1029.11**  
**Expiration Date: 08/14/2013**  
**Approval Date: 08/14/2008**



DETAIL  
@ EAVE

DETAIL  
@ EAVE  
(ISOMETRIC VIEW)

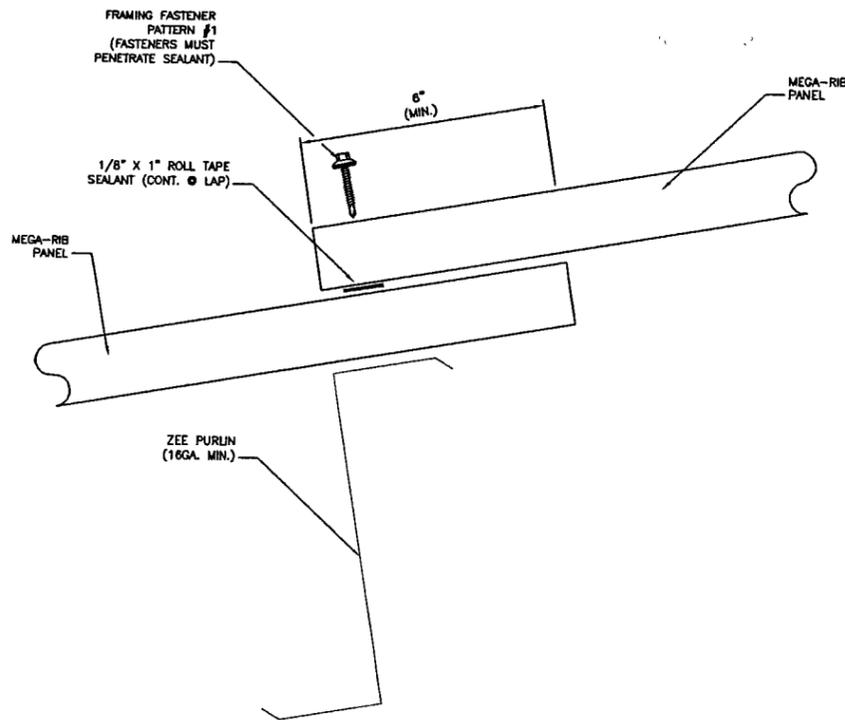
*Handwritten signature and date:*  
7-8-08

Approved as complying with the  
Florida Building Code  
Date 08/14/2008  
NOA# 07-1029.11  
Miami Dade Product Control  
Division  
By Heung A. Moon

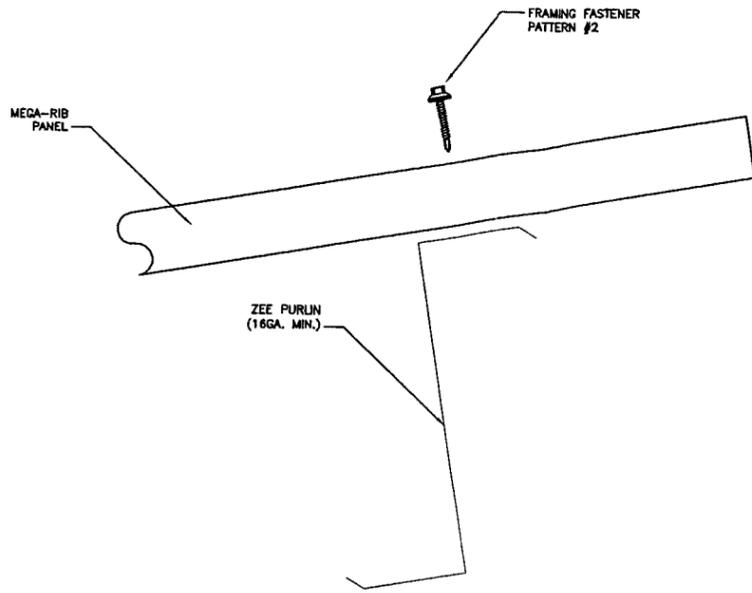
MANUFACTURING ENGINEER: TERRENCE E. WOLFE, P.E.	
FLORIDA REGISTRATION NUMBER: 44923	
RELEASED FOR APPROVAL	
LOG NUMBER	DESCRIPTION
05	MCELROY METAL, INC ENGINEERING SERVICE DEPARTMENT 1500 HAMILTON ROAD - BOSSIER CITY, LA. (318) 747-8000
OWNER BY	DATE
CJP	12-8-05
DADE COUNTY TESTING	(MEGA-RIB 24GA. DETAILS)
DESIGNED BY	DATE
TLJ	12--05
PROJECT	DATE
BOSSIER CITY, LA	
SCALE	DATE
1	
PROJECT NO.	DATE
N/A	N/A
SHEET NO.	DATE
E1 OF 5	A



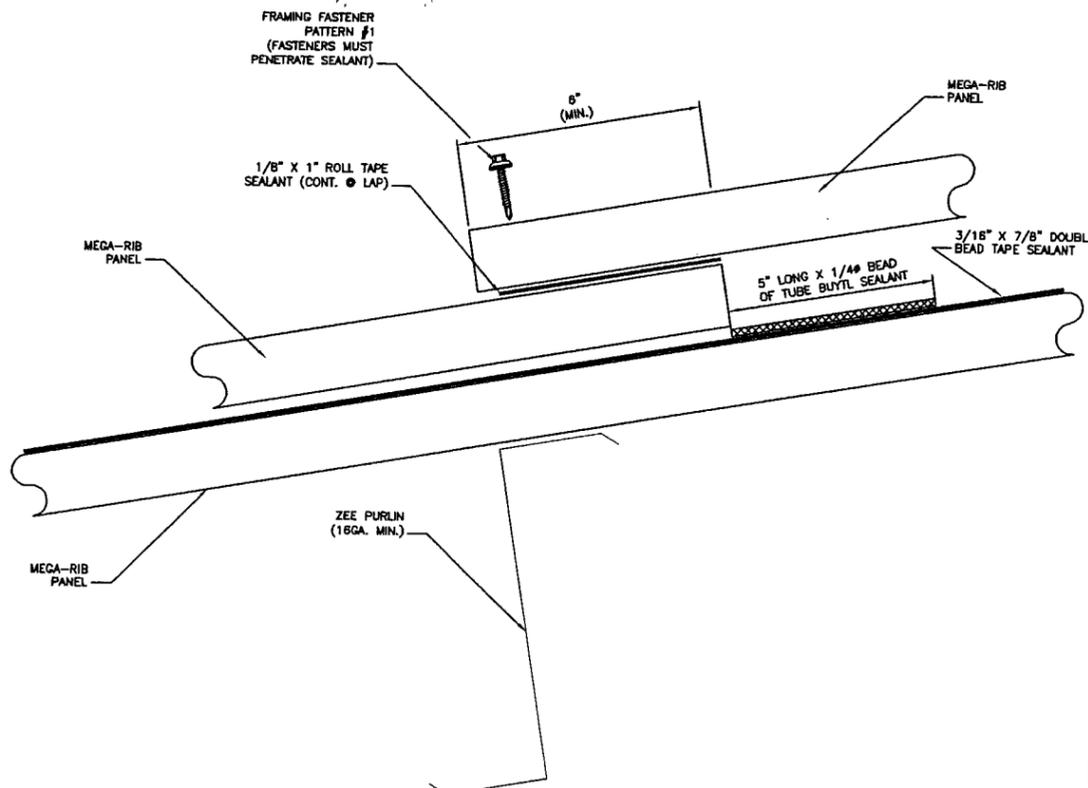




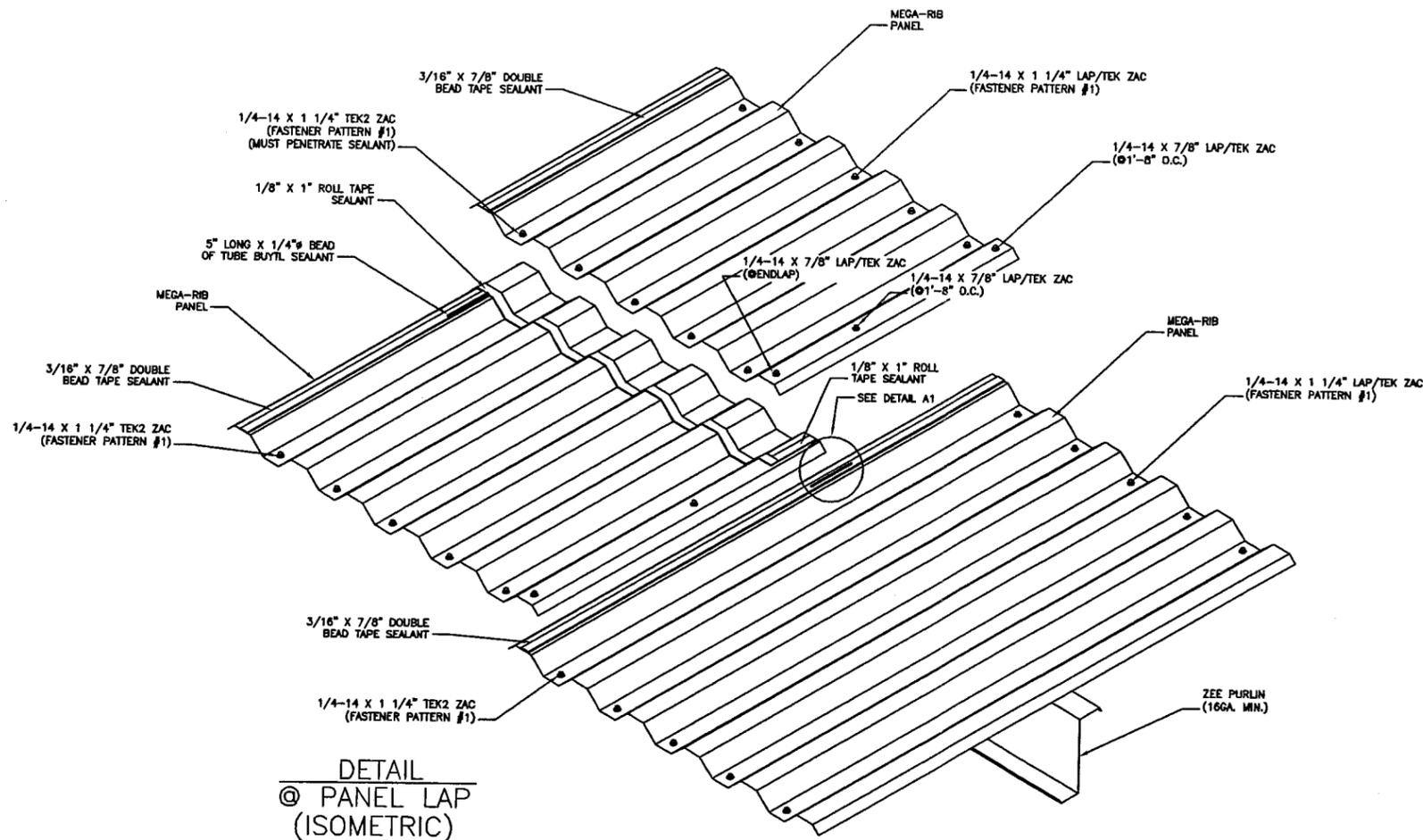
DETAIL  
@ PANEL LAP



DETAIL  
@ INTERMEDIATE PURLIN



DETAIL A1

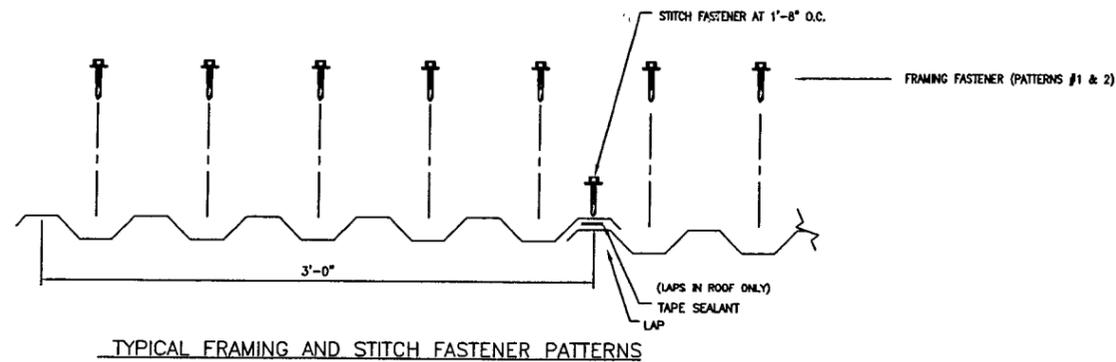


DETAIL  
@ PANEL LAP  
(ISOMETRIC)

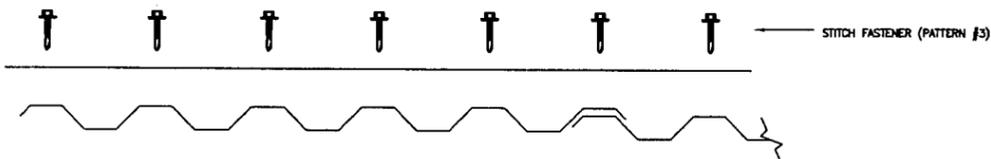
Approved as complying with the  
Florida Building Code  
Date 08/14/2008  
NOA# 07-1029-11  
Miami Dade Product Control  
Division  
By Terrence E. Wolfe

MANUFACTURING ENGINEER: <u>TERRENCE E. WOLFE, P.E.</u>	
FLORIDA REGISTRATION NUMBER: <u>44923</u>	
RELEASED FOR APPROVAL	
A	12-05 CJP
ISSUE	DATE
LOG NUMBER	DESCRIPTION
<b>05</b>	<b>MCELROY METAL, INC</b> ENGINEERING SERVICE DEPARTMENT 1500 HAMILTON ROAD - BOSSIER CITY, LA. (318) 747-8000
D	CJP 12-8-05
A	TLW 12-05
D	TLW 12-05
E	TLW 12-05
PLDT	SCALE
1	N/A
DADE COUNTY TESTING (MEGA-RIB 24GA. DETAILS) MCELROY METAL, INC. 1500 HAMILTON RD. BOSSIER CITY, LA	
SCALE	DATE
N/A	N/A
E4 OF 5	A

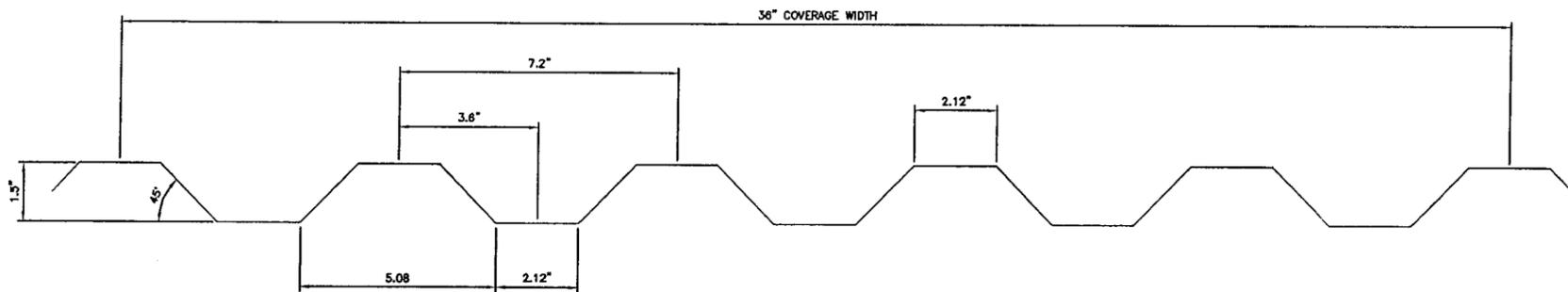
*Terrence E. Wolfe*  
7-8-08



TYPICAL FRAMING AND STITCH FASTENER PATTERNS



TYPICAL FRAMING AND STITCH FASTENER PATTERNS FOR TRIM



MEGA-RIB CROSS SECTION

NOTES:

- THE MAXIMUM UPLIFT DESIGN PRESSURE SHALL BE CALCULATED USING THE FOLLOWING ALLOWABLES.
  - MAXIMUM ALLOWABLE BENDING MOMENT OF THE PANEL AT SUPPORTS = 126.25 FT. LB.
  - MAXIMUM ALLOWABLE BENDING MOMENT OF THE PANEL BETWEEN SUPPORTS = 101.0 FT. LB.
  - MAXIMUM ALLOWABLE DEFLECTION OF ROOF PANEL = L/240
  - MAXIMUM SUPPORT REACTION = 101.0 LBS. EXT.  
= 277.75 LBS. INT.
  - EI value of panel = 1,433,833.00 LBS.-in.<sup>2</sup>
- THE MAXIMUM ALLOWABLE SPANS & PRESSURES ARE AS FOLLOWS:

SPAN	PRESSURE
5'-0"	50.50 PSF
2'-0"	94.75 PSF

PANEL ACCESSORIES

**STITCH FASTENER:**  
1/4-14 X 7/8" LAP/TEK ZAC  
BY: SFS INTEC  
\*SEE NOTE BELOW

**FRAMING FASTENER:**  
1/4-14 X 1 1/4" TEK2 ZAC  
BY: SFS INTEC  
\*SEE NOTE BELOW

**\*NOTE:**  
ZAC IS A ZINC-ALUMINUM CAP  
WITH A 5/8" DIA. NEOPRENE  
SEALING WASHER.

SIKALASTOMER 511 TUBE SEALANT  
BY: SIKA

SIKAFLEX 201 URETHANE TUBE SEALANT  
BY: SIKA

1/8" X 1" BUTYL ROLL TAPE SEALANT  
BY: SCHNEE-MOREHEAD

3/16" X 7/8" DOUBLE BEAD BUTYL  
ROLL TAPE SEALANT  
BY: SCHNEE-MOREHEAD

PANEL PROPERTIES

ASTM	PANEL GAUGE	PANEL THICKNESS	YEILD STRENGTH	TENSILE STRENGTH	STEEL COATING	PAINT COATINGS
A792	24	.023 (MIN.)	50 KSI (MIN.)	65 KSI (MIN.)	AZ 55 (BARE) AZ 50 (PAINTED)	KYNAR 500

Approved as complying with the  
Florida Building Code  
Date 08/14/2008  
NOA# 07-1029-11  
Miami Dade Product Control  
Division  
By Healy A. Mehan

MANUFACTURING ENGINEER: TERRENCE E. WOLFE, P.E.  
FLORIDA REGISTRATION NUMBER: 44923

A 2-8-07 CJP RELEASED FOR APPROVAL

ISSUE	DATE	DEL'TY	DESCRIPTION
LOG NUMBER	05		
<b>McELROY METAL, INC</b> ENGINEERING SERVICE DEPARTMENT 1500 HAMILTON ROAD - BOSSIER CITY, LA. (318) 747-8000			
DESIGNED BY	CJP	DATE	2-8-07
CHECKED BY	TLJ	DATE	2-8-07
APPROVED BY		DATE	
PROJECT NO.		DATE	
DADE COUNTY TESTING (MEGA-RIB 24GA. DETAILS) MCELROY METAL, INC. 1500 HAMILTON RD. BOSSIER CITY, LA			
PLOT	1	SCALE	N/A
DATE		PROJECT NO.	N/A
DATE		DATE	N/A
DATE		DATE	ES OF 5
DATE		DATE	A