



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

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 and accepted by Miami-Dade County RER- Product Control Section 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 Section (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. RER reserves the right to revoke this acceptance if it is determined by Miami-Dade County Product Control Section 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 Force Engineering & Testing, dated December 08, 2005, last revision #B dated January 26, 2021, signed and sealed by Johnathan Green, P.E. on January 26, 2021 bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and the expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each panel shall bear a permanent label with the manufacturer's name or logo, Clinton, IL; Peachtree City, GA; Adelanto, CA; or Sunnyvale, TX and the following statement: "Miami-Dade County Product Control Approved".

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 **revises & renews** NOA #20-1215.10 and consists of this page 1, evidence submitted pages E-1, E-2, E-3 & E-4 as well as approval document mentioned above.

The submitted documentation was reviewed by **Helmy A. Makar, P.E., M.S.**



Helmy A. Makar
08/10/2023

NOA No. 23-0720.05
Expiration Date: 08/14/2028
Approval Date: 08/10/2023
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 07-1029.11

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 per Miami-Dade county Protocol TAS 114 Appendix G on 24 ga. Mega-Rib Roof Panel, prepared by Farabaugh Engineering and Testing, Report No. T244-06, dated 07/31/07, signed & 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.).*

2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 09-0504.04

A. DRAWINGS

1. *None.*

B. TESTS

1. *None.*

C. CALCULATIONS

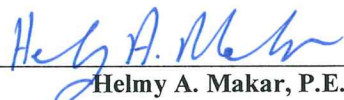
1. *None.*

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. *None.*



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
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McElroy Metal, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 13-0617.21

A. DRAWINGS

1. *None.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *None.*

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. *None.*

F. STATEMENTS

1. *Statement letter of conformance and compliance with the FBC-2010, issued by Force Engineering & Testing, Inc., dated June 04, 2013, signed and sealed by Terrence E. Wolfe, P. E.*

4. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 15-1013.06

A. DRAWINGS

1. *None.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *None.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Department of Regulatory and Economic Resources.*

E. MATERIAL CERTIFICATIONS

1. *None.*

F. STATEMENTS

1. *Statement letter of compliance with the FBC-2014, issued by Force Engineering & Testing, Inc., dated 09/08/2015, signed and sealed by Terrence E. Wolfe, P. E.*


5. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 17-0829.03

A. DRAWINGS

1. *None.*

B. TESTS

1. *None.*



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C. CALCULATIONS

1. *None.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Department of Regulatory and Economic Resources.*

E. MATERIAL CERTIFICATIONS

1. *None.*

F. STATEMENTS

1. *Statement letter of compliance with the FBC-2017, issued by Force Engineering & Testing, Inc., dated 08/14/2017, signed and sealed by Terrence E. Wolfe, P. E.*

6. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 18-0515.03

A. DRAWINGS

1. *None.*

B. TESTS

1. *Updated physical properties testing.*

C. CALCULATIONS

1. *None.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Department of Regulatory and Economic Resources.*

E. MATERIAL CERTIFICATIONS

1. *None.*

F. STATEMENTS

1. *Statement letter of compliance with the FBC-2017, issued by Force Engineering & Testing, Inc., dated 04/27/2018, signed and sealed by Terrence E. Wolfe, P. E.*

7. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 20-1215.10

A. DRAWINGS


1. *Drawing No. E, titled "Mega-Rib 24 GA. Details", sheets 1 through 5 of 5, prepared by Force Engineering & Testing, dated December 08, 2005, last revision #B dated January 26, 2021, signed and sealed by Johnathan Green, P.E. on January 26, 2021.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *None.*



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
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D. QUALITY ASSURANCE

1. *By Miami-Dade County Department of Regulatory and Economic Resources.*

E. MATERIAL CERTIFICATIONS

1. *None.*

F. STATEMENTS

1. *Statement letter of compliance with the FBC-2020, issued by Force Engineering & Testing, Inc., dated 11/12/2020, signed and sealed by Johnathan Green, P.E.*

8. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. *None.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *None.*

D. QUALITY ASSURANCE


1. *By Miami-Dade County Department of Regulatory and Economic Resources.*

E. MATERIAL CERTIFICATIONS

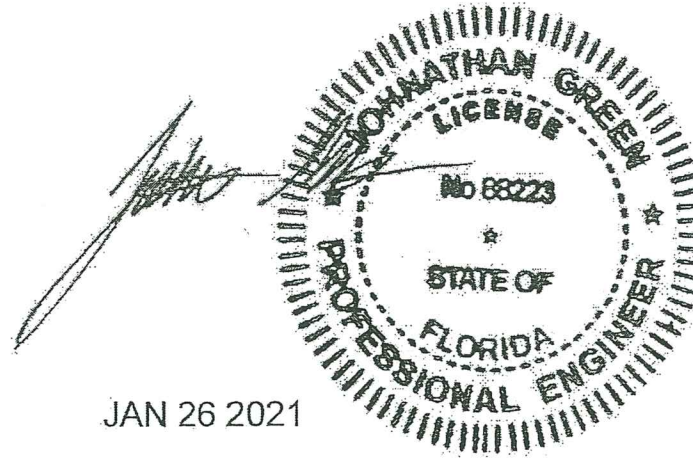
1. *None.*

F. STATEMENTS

1. *Statement letter of compliance with the FBC-2020, issued by Force Engineering & Testing, Inc., dated 11/12/2020, signed and sealed by Johnathan Green, P.E.*
2. *Statement letter of compliance with the FBC-2023, issued by Force Engineering & Testing, Inc., dated 07/10/2023, signed and sealed by Johnathan Green, P.E.*

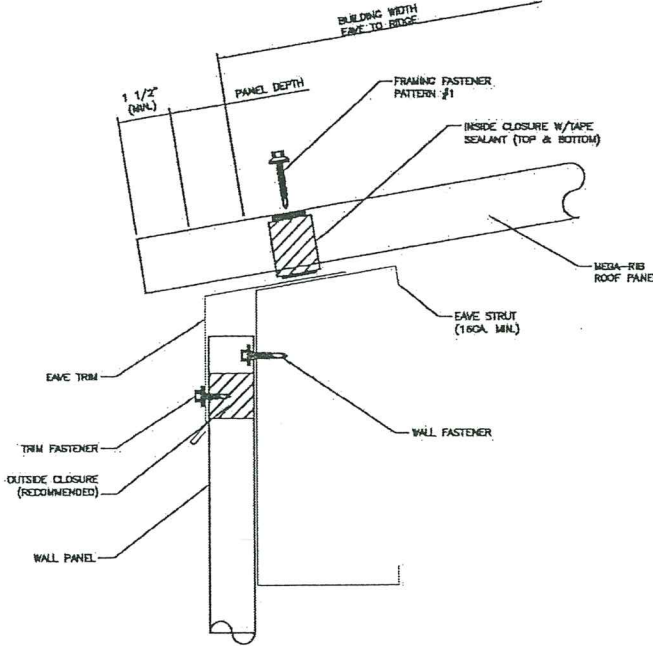
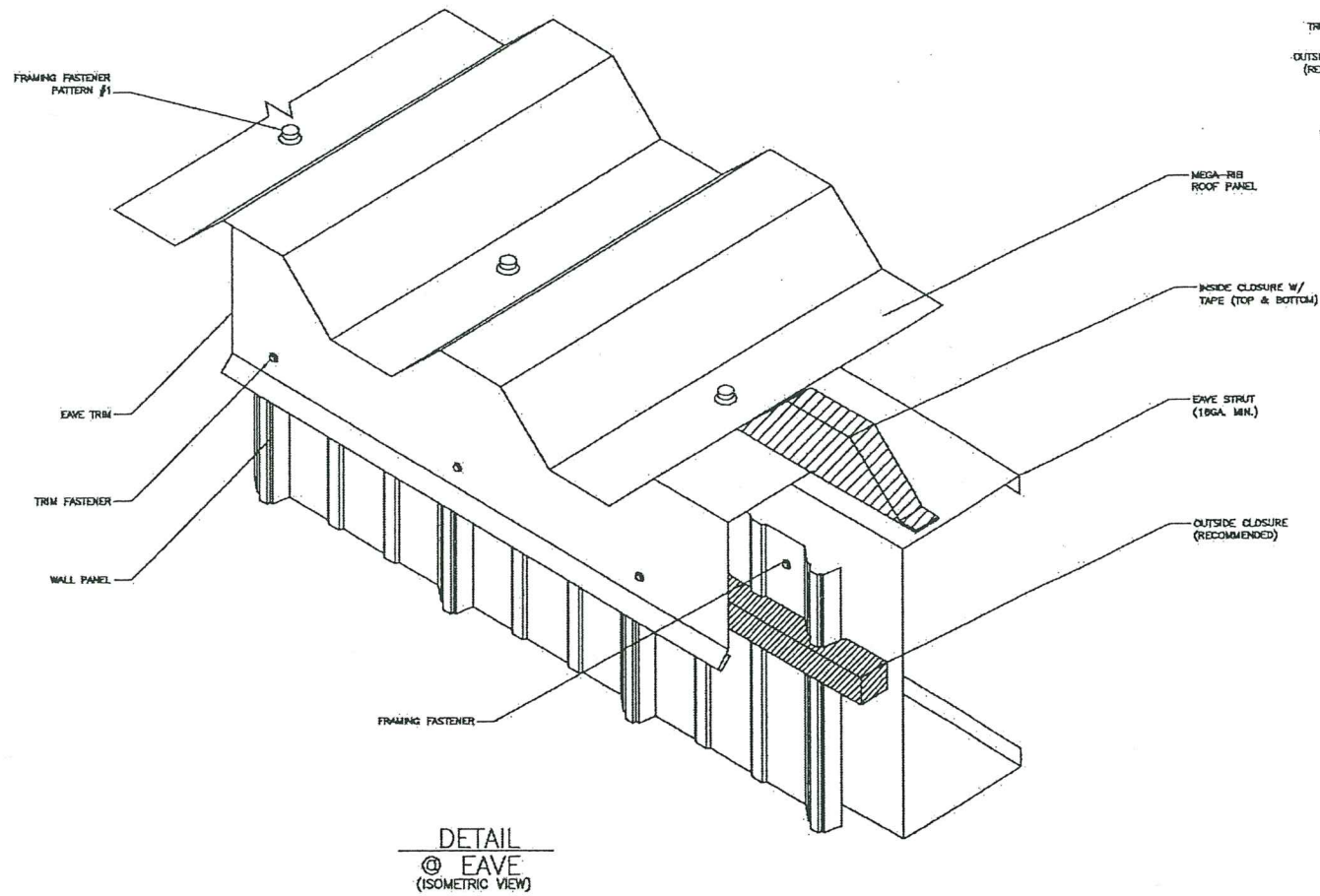


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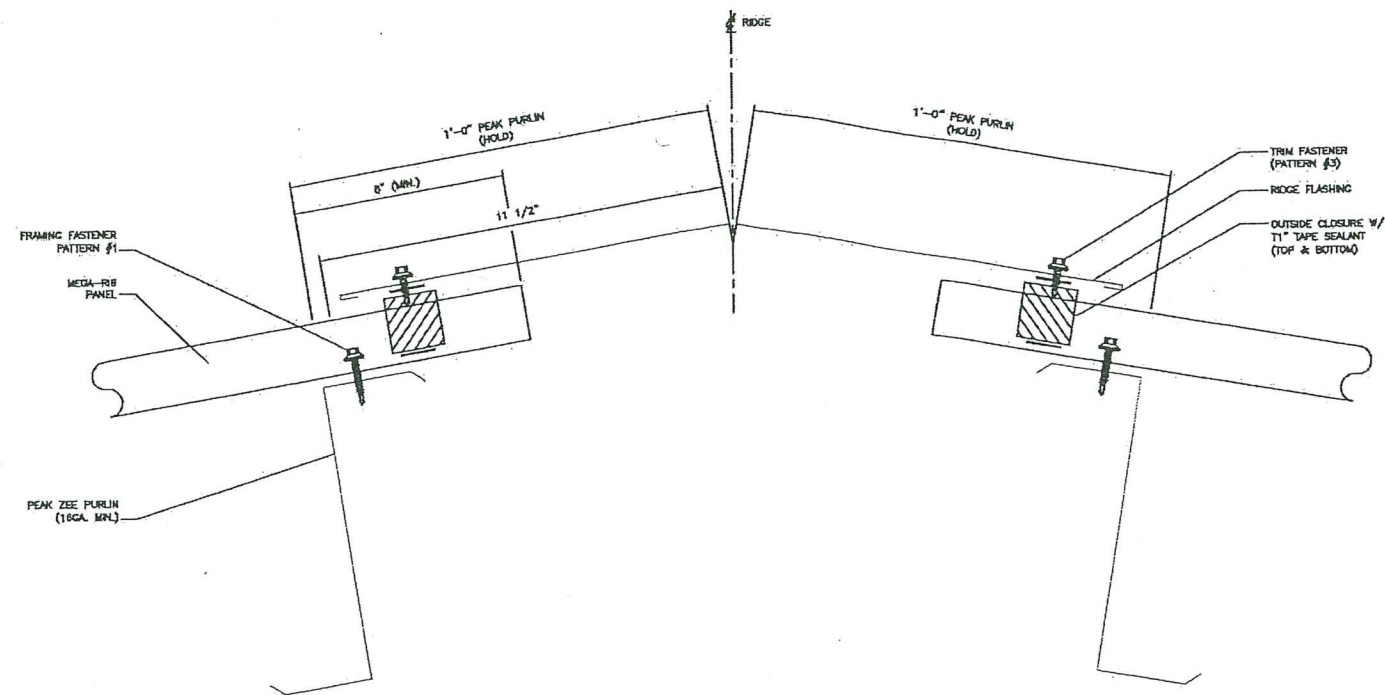
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Acceptance No 23-0720.05
Expiration Date 08/14/2028
By H. G. A. Major
Miami Date Product Control



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JAN 26 2021

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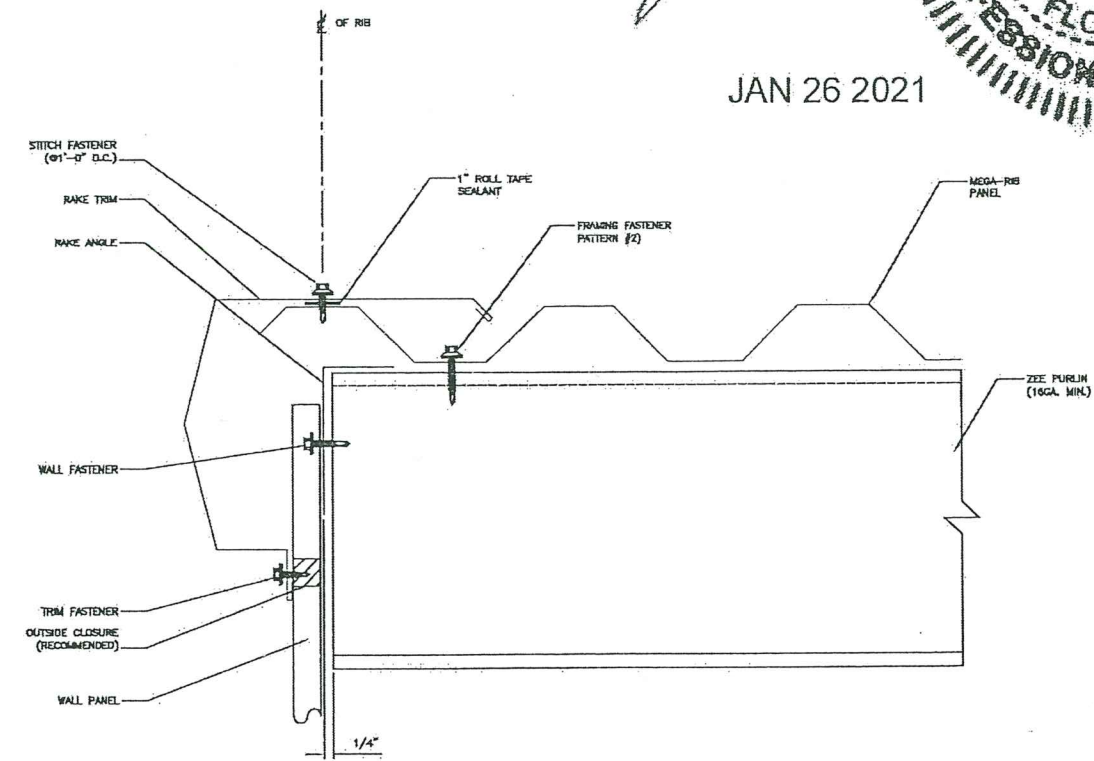
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By H. A. McElroy
Miami Dade Product Control

A		12--	05	CJP	RELEASED FOR APPROVAL
ISSUE	DATE	BY	DESCRIPTION		
05			McELROY METAL, INC ENGINEERING SERVICE DEPARTMENT 1500 HAMILTON ROAD - BOSSIER CITY, LA (318) 747-8000		
D	CJP	12-8-05	DADE COUNTY TESTING (MEGA-RIB 24GA. DETAILS)		
A	TLJ	12--	MCELROY METAL, INC.		
D			1500 HAMILTON RD.		
E			BOSSIER CITY, LA		
PLAT	SCALE	DATE MADE	PREPARED BY	CHECKED BY	DATE
1		1-26-2021	N/A	N/A	E2 OF 5


JAN 26 2021

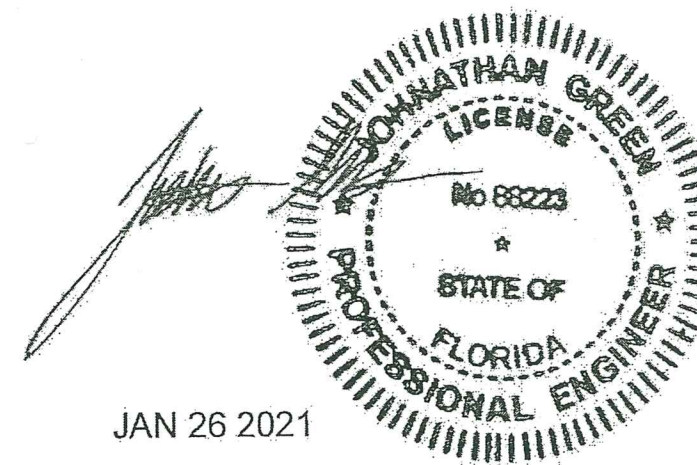
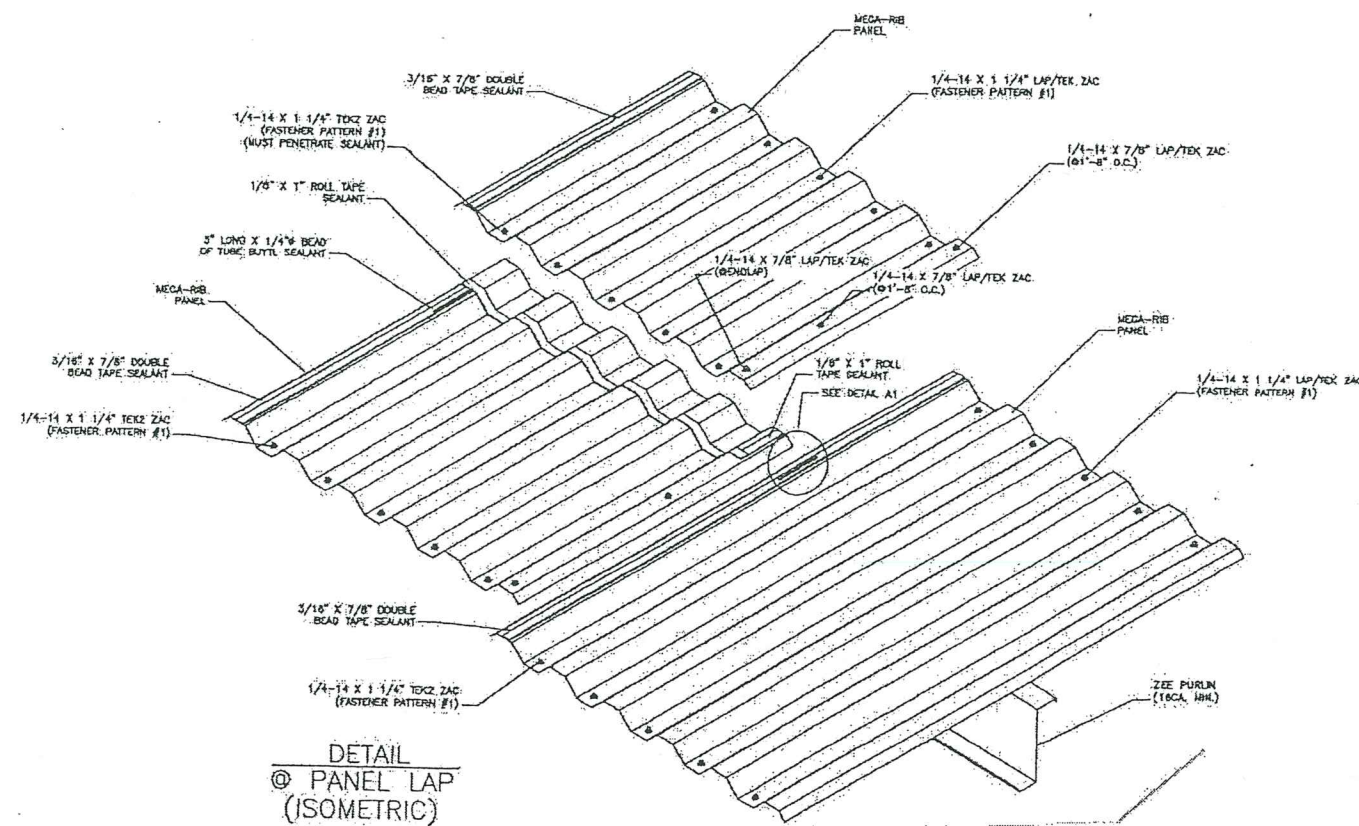
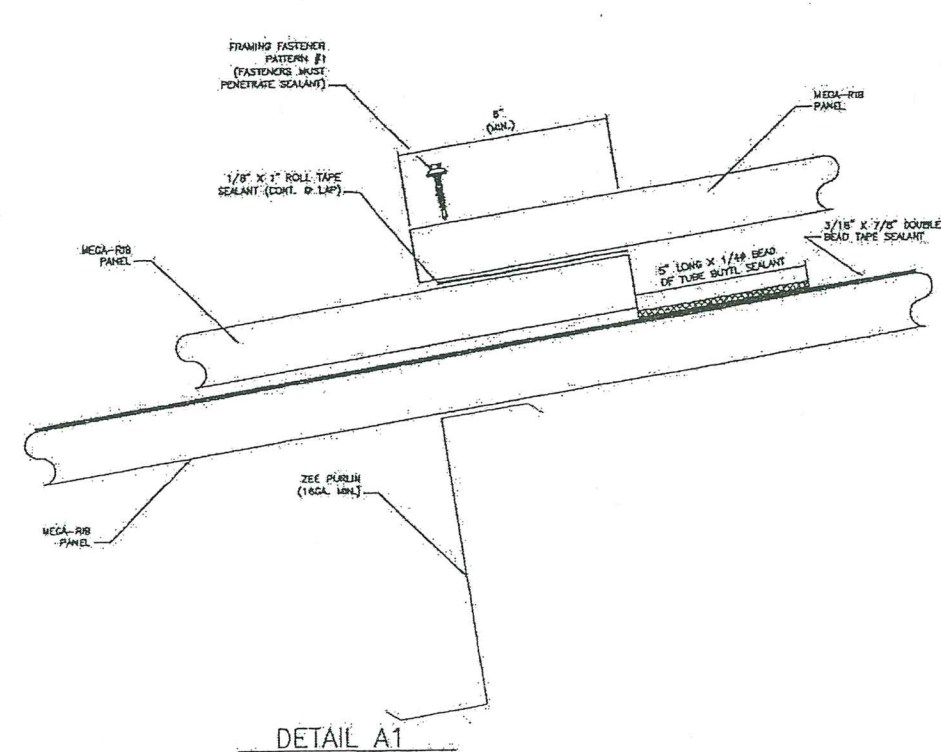
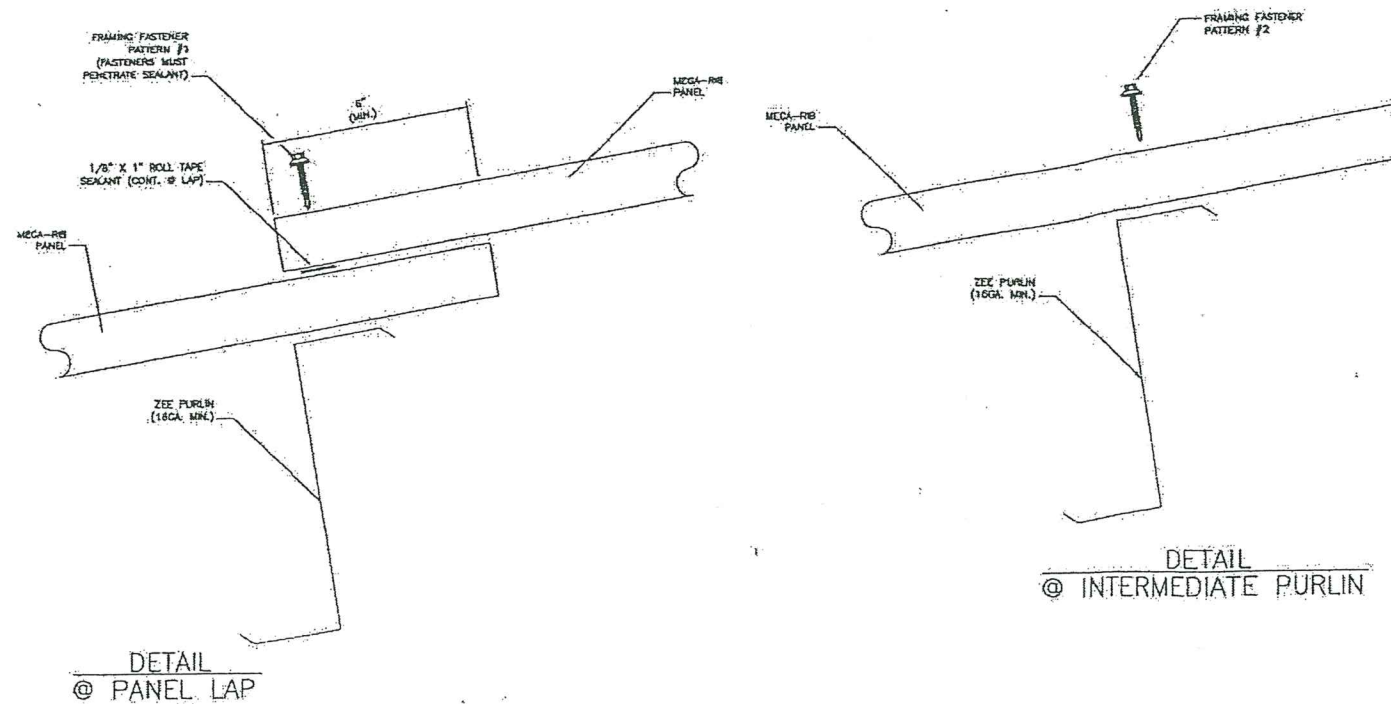

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Miami Dade Product Control

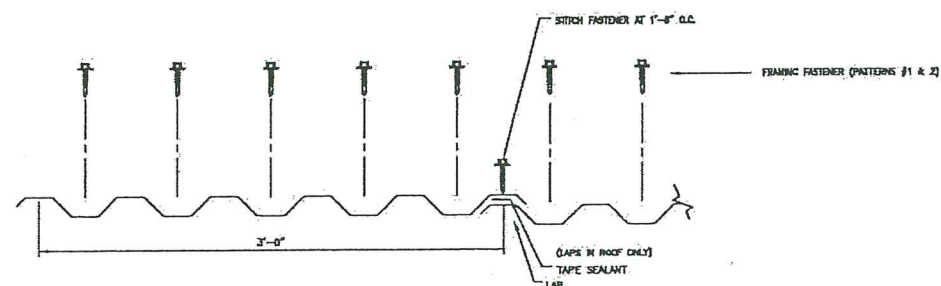


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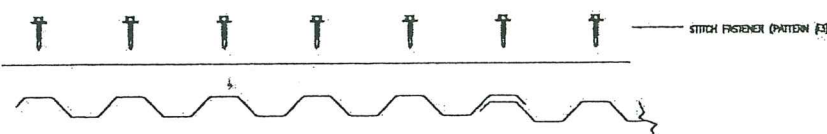
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By *Heidi A. Miller*
Miami Dade Product Control

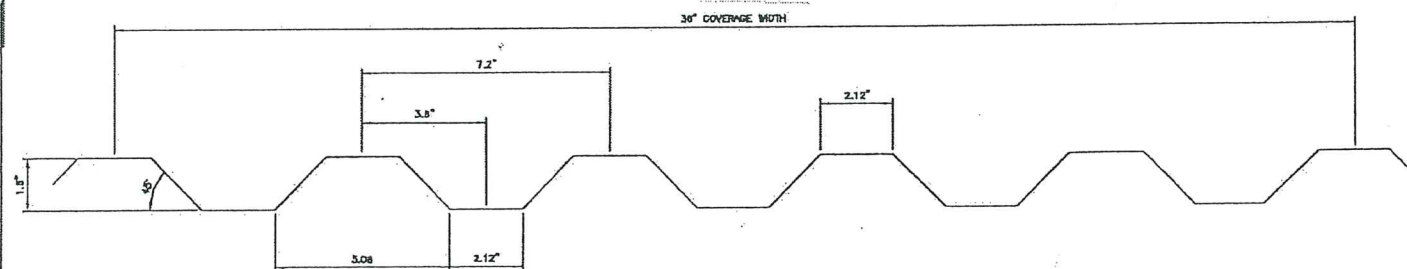
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ISSUE	DATE	BY	DESCRIPTION
LOG NUMBER	05		McELROY METAL, INC. ENGINEERING SERVICE DEPARTMENT 1500 HAMILTON ROAD - BOSSIER CITY, LA (518) 747-8000
D	CIP	12-8-05	DADE COUNTY TESTING - (MEGA-RIB 24GA. DETAILS)
A	TLJ	12-1-05	McELROY METAL, INC. 1500 HAMILTON RD. BOSSIER CITY, LA
D	TLJ		
E	TLJ		
PLUT	1	DATE	DATE
		N/A	N/A
		44 OF 5	B



TYPICAL FRAMING AND STITCH FASTENER PATTERNS



TYPICAL FRAMING AND STITCH FASTENER PATTERNS FOR TRIM



MEGA-RIB CROSS SECTION

PANEL ACCESSORIES

STITCH FASTENER:
1/4-14 x 7/8" LWP/TEX ZAC
BY: SFS INT'L
SEE NOTE BELOW

FRAMING FASTENER:
1/4-14 x 1 1/4" TEX ZAC
BY: SFS INT'L
SEE NOTE BELOW

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



SIKAFLEX 511 TUBE SEALANT
BY: Sika



SIKAFLEX 201 URETHANE TUBE SEALANT
BY: Sika

1/8" x 1" BUTYL ROLL TAPE SEALANT
BY: SCHWEE-MOREHEAD

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

PANEL PROPERTIES

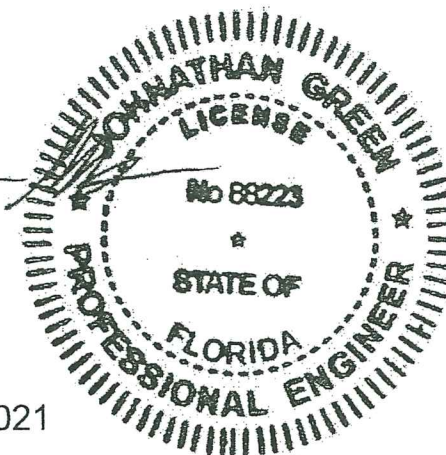
ASTM	PANEL GAUGE	PANEL THICKNESS	YIELD STRENGTH	TENSILE STRENGTH	STEEL COATING	PAINT COATINGS
A792	24	.023 (MIN.)	50 KSI (MIN.)	65 KSI (MIN.)	AZ 55 (BARE) AZ 50 (PAINTED)	KYNAR 500

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.

- THE MAXIMUM ALLOWABLE SPANS & PRESSURES ARE AS FOLLOWS:

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



JAN 26 2021

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By *Heidi A. Miller*
Miami Dade Product Control

LOG NUMBER	05	DATE	2-8-07	DESCRIPTION	RELEASED FOR APPROVAL
ISSUE	D	DATE	2-8-07	DESCRIPTION	
LOG NUMBER	05	DATE	2-8-07	DESCRIPTION	
ISSUE	D	DATE	2-8-07	DESCRIPTION	
LOG NUMBER	05	DATE	2-8-07	DESCRIPTION	
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