



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 NOA #18-0515.03 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
02/04/21

NOA No. 20-1215.10
Expiration Date: 08/14/2023
Approval Date: 02/04/2021
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
NOA No. 20-1215.10
Expiration Date: 08/14/2023
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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.



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
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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. NEW EVIDENCE SUBMITTED

A. DRAWINGS

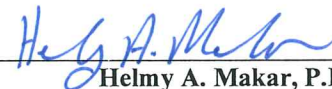
1. *Drawing No. E, titled "Mega-Rib 24 GA. Details", sheets 1 through 5 of 5, prepared by Force Engineering & Testing, dated December 08, 2005, last revision #B dated January 26, 2021, signed and sealed by Johnathan Green, P.E. on January 26, 2021.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *None.*



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 20-1215.10
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McElroy Metal, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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.*



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
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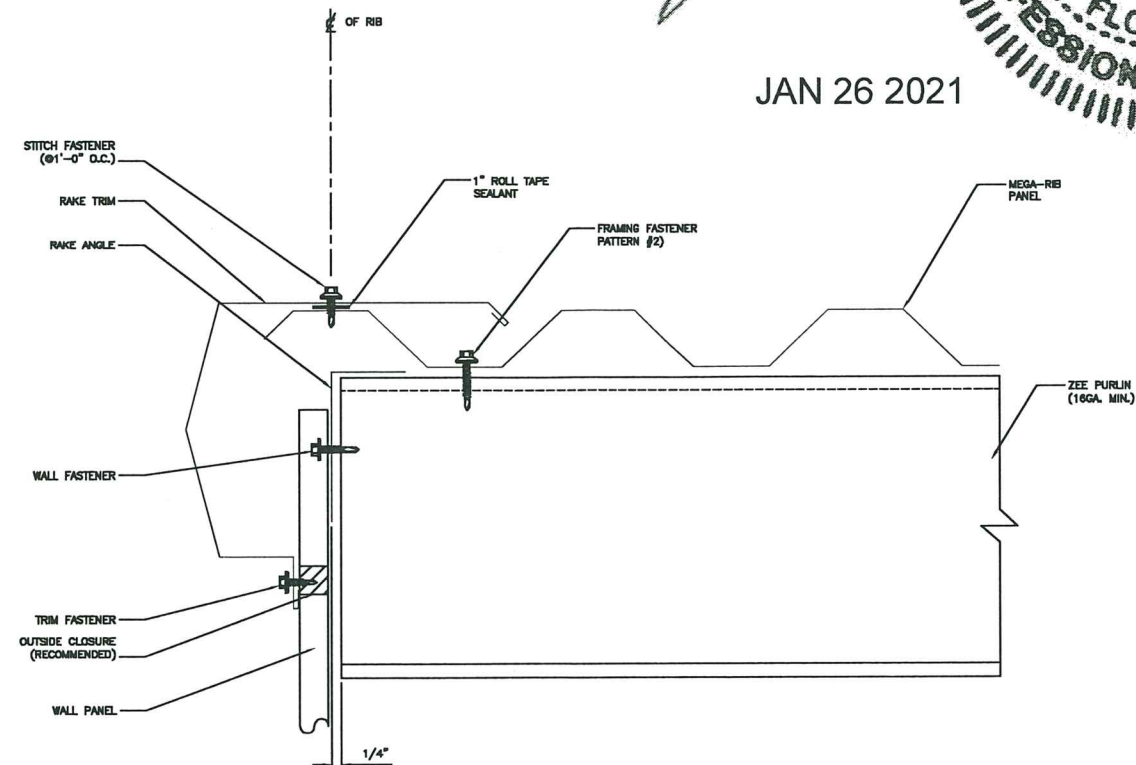
JAN 26 2021

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

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PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

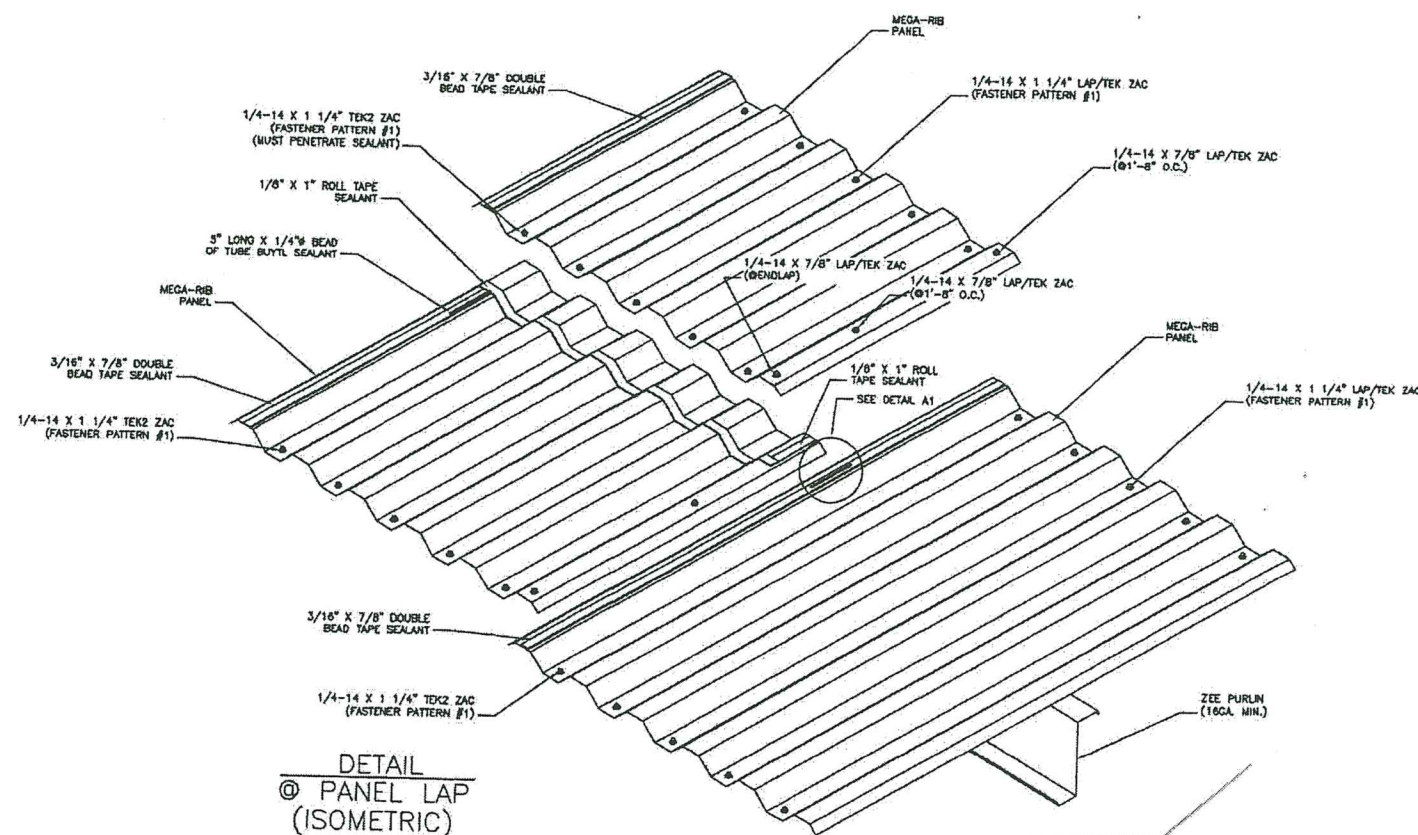
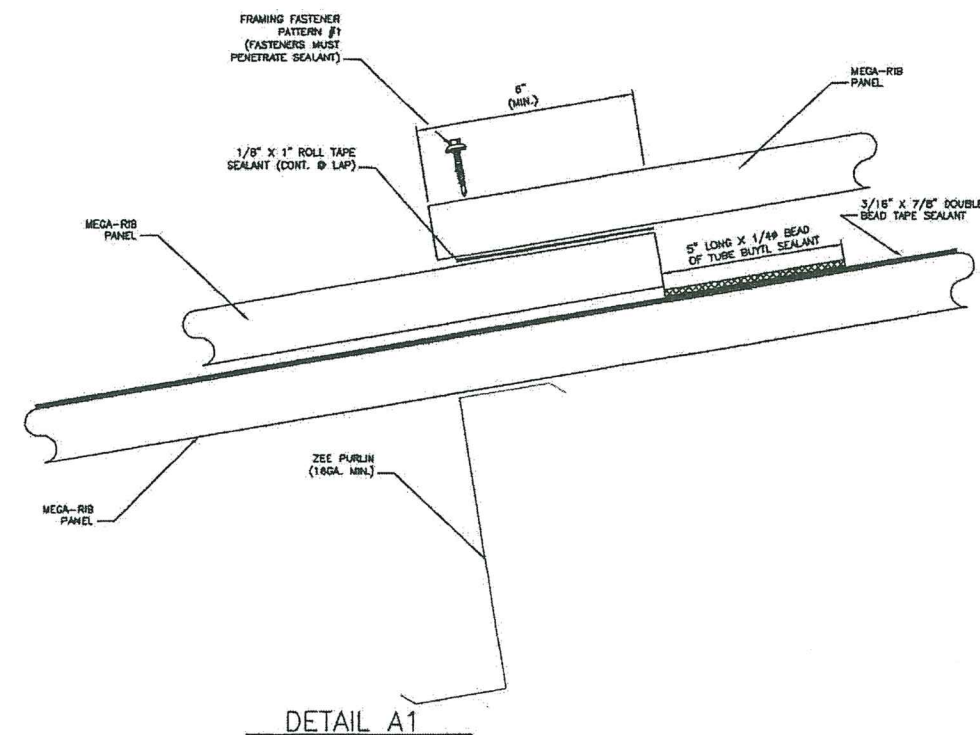
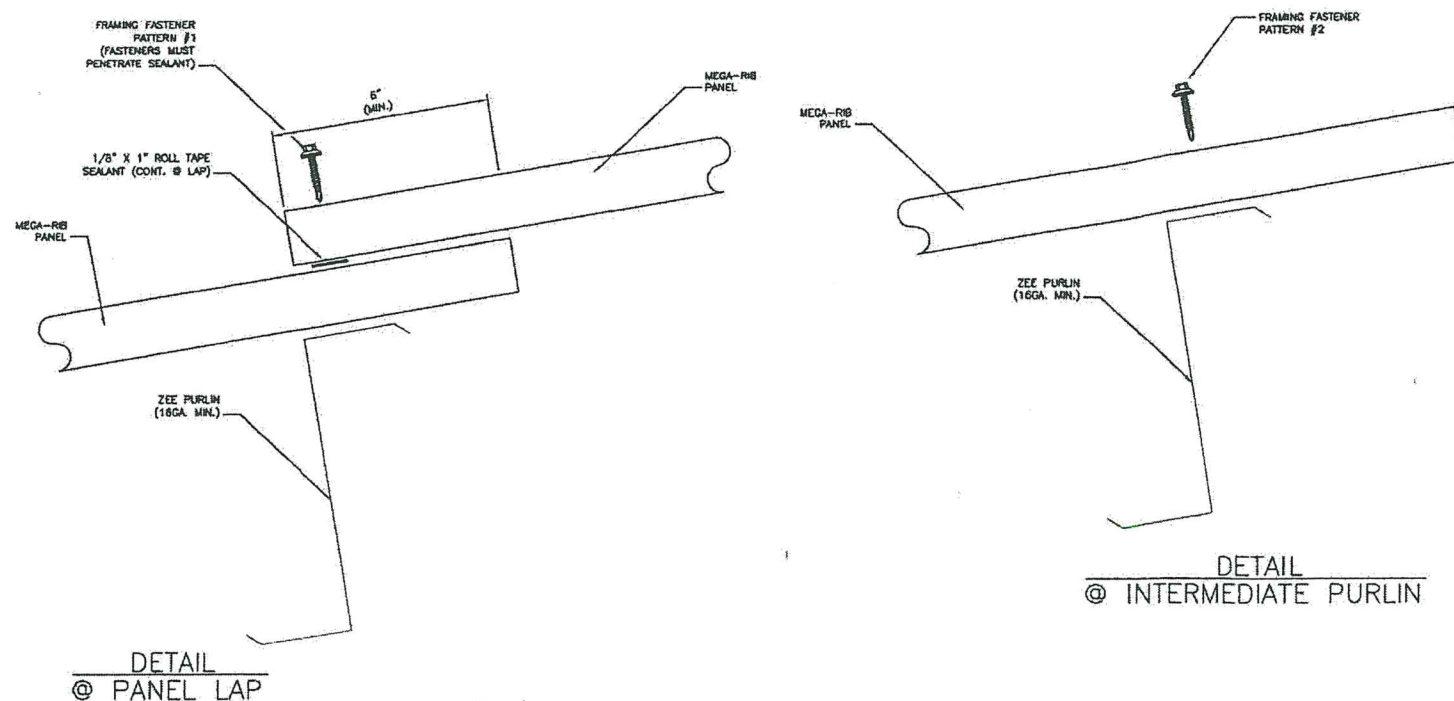
A circular professional engineer seal for Jonathan Green, State of Florida. The outer ring contains the text "JONATHAN GREEN" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. Inside this ring is a dashed circle. Within the dashed circle, the word "LICENSE" is at the top, "No 88223" is in the center, and "STATE OF FLORIDA" is at the bottom, also separated by two stars. The seal is stamped in black ink on a light-colored background.



DETAIL
@ RAKE

By _____
Miami Dade Product Control

[illegible]



[Signature]

JOHNATHAN GREEN
LICENSE
No 88223
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

JAN 26 2021

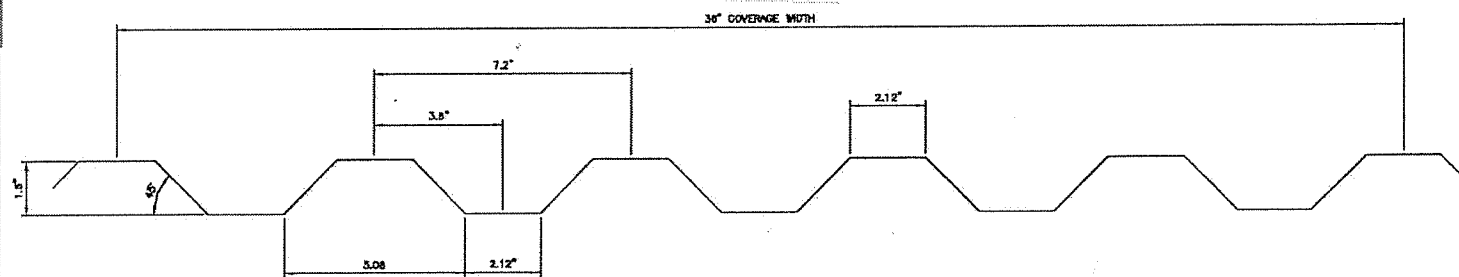
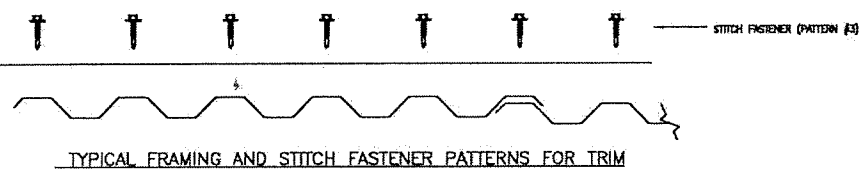
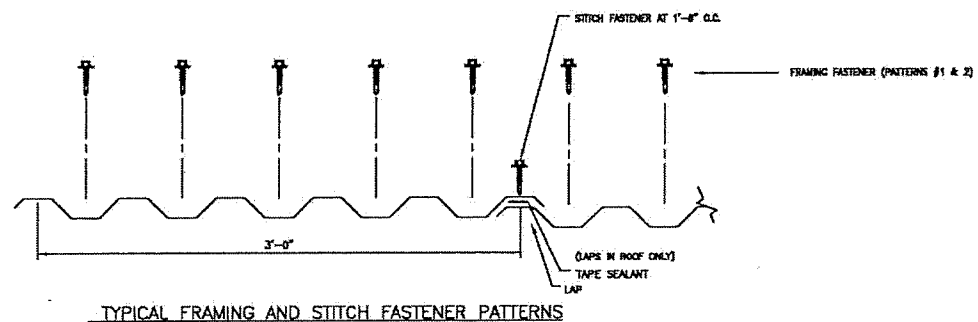
THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JOHNATHAN GREEN ON THE DATE ADJACENT TO THE SEAL.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No _____
Expiration Date _____

By _____
Miami Dade Product Control

RELEASED FOR APPROVAL			
ISSUE	DATE	BY	DESCRIPTION
LOG NUMBER	05		McELROY METAL, INC ENGINEERING SERVICE DEPARTMENT 1500 HAMILTON ROAD - BOSSIER CITY, LA. (518) 747-8000
D	CJP	12-8-05	DADE COUNTY TESTING (MEGA-RIB 24GA. DETAILS)
A	TLJ	12-8-05	McELROY METAL, INC.
D			1500 HAMILTON RD.
E			BOSSIER CITY, LA
PLAT	1	DATE	1-24-2021
		PROJECT NO.	N/A
		SHEET NO.	N/A
		DATE OF S	B



MEGA-RIB CROSS SECTION

PANEL ACCESSORIES

STITCH FASTENER:
1/4-14 x 7/8\"/>

FRAMING FASTENER:
1/4-14 x 1 1/4\"/>

NOTE:
ZAC IS A ZINC-ALUMINUM CAP WITH A 9/8\"/>

SIKALASTOMER 511 TUBE SEALANT
BY: Sika

SIKAFLEX 201 URETHANE TUBE SEALANT
BY: Sika

1/8\"/>

3/16\"/>

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:

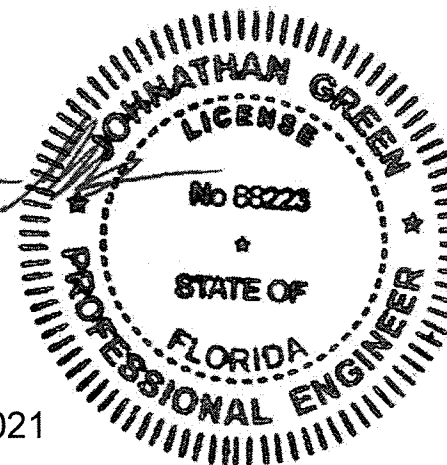
- THE MAXIMUM UPLIFT DESIGN PRESSURE SHALL BE CALCULATED USING THE FOLLOWING ALLOWABLES.
 - MAXIMUM ALLOWABLE BENDING MOMENT OF THE PANEL AT SUPPORTS = 126.25 FT. LB.
 - MAXIMUM ALLOWABLE BENDING MOMENT OF THE PANEL BETWEEN SUPPORTS = 101.0 FT. LB.
 - MAXIMUM ALLOWABLE DEFLECTION OF ROOF PANEL = $L/240$
 - 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

[Handwritten Signature]

JAN 26 2021



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A		2-8-07	CLP	RELEASED FOR APPROVAL	
ISSUE	DATE	BY	DESCRIPTION	McELROY METAL, INC ENGINEERING SERVICE DEPARTMENT 1500 HAMILTON ROAD - BOSSIER CITY, LA (518) 747-8000	
LOG NUMBER	05				
DATE	2-8-07	BY	DESCRIPTION		
CLP	2-8-07	BY	DESCRIPTION		
TLJ	2-8-07	BY	DESCRIPTION		
DATE	2-8-07	BY	DESCRIPTION	DADE COUNTY TESTING (MEGA-RIB 24GA. DETAILS) McELROY METAL, INC. 1500 HAMILTON RD. BOSSIER CITY, LA	
DATE	2-8-07	BY	DESCRIPTION		
DATE	2-8-07	BY	DESCRIPTION		
DATE	2-8-07	BY	DESCRIPTION		
DATE	2-8-07	BY	DESCRIPTION		