



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

www.miamidade.gov

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 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: "PBR-Panel" 0.023" (min.) Steel Structural Roof Panel

APPROVAL DOCUMENT: Drawing No. E, titled "PBR - Roof Panel", sheets 1 through 5 of 5, prepared by McElroy Metal, Inc. Engineering Services Dept., signed and sealed by Terrence E. Wolfe, P.E. on October 29, 2008, 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 Division.

MISSILE IMPACT RATING: Large and Small Missile Impact

LABELING: Each panel shall bear a permanent label with the manufacturer's name or logo:

1500 Hamilton Road	9700 Interstate 20	253 One Georgia Drive
Bossier City, LA 71111	Merkel, TX 79536	Ashburn, GA 31714

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 revises NOA # 08-1007.06 and consists of this page 1, evidence submitted pages E-1 & E-2 and approval document mentioned above.

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



Helmy A. Makar
05/27/2009

NOA No. 09-0504.07
Expiration Date: 12/04/2013
Approval Date: 05/27/2009

McElroy Metal, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #08-1007.06

A. DRAWINGS

1. *Drawing No. E, titled "PBR - Roof Panel", sheets 1 through 5 of 5, prepared by McElroy Metal, Inc. Engineering Services Dept., signed and sealed by Terrence E. Wolfe, P.E. on October 29, 2008.*

B. TESTS

1. *Test report on Large Missile Impact Test on PBR Roof Panel, prepared by Farabaugh Engineering and Testing, Inc., Report No. T296-07, dated April 22, 2008, signed and sealed by Daniel G. Farabaugh, P.E.*
2. *Test report per ASTM 1592 on PBR Roof Panel, Report No. T232-08, dated August 25, 2008, prepared by Farabaugh Engineering and Testing, Inc., signed and sealed by Daniel G. Farabaugh, P.E.*
3. *Test report on Accelerated Weathering Testing of Coating 2000 hours per ASTM G26-96, prepared by PRI Asphalt Technologies, Report No. VLS-001-02-02, dated January 19, 2004, signed and sealed by Charles L. Thomas, P.E.*
4. *Test report on Salt Spray Testing of Coating 1000 hours per ASTM B117-95, prepared by PRI Asphalt Technologies, Report No. VLS-001-02-01, dated January 19, 2004, signed and sealed by Charles L. Thomas, P.E.*
5. *Susceptibility to leakage test in accordance with FM 4471, Appendix G, prepared by Farabaugh Engineering and Testing, Inc., Report No. T308-07, dated April 22, 2008, signed and sealed by Daniel G. Farabaugh, P.E.*

C. CALCULATIONS

1. *Calculations titled "PBR Panel, 24 Ga.", 6 pages, prepared by Terrence E. Wolfe, P.E., signed and sealed by Terrence E. Wolfe, P.E. on October 29, 2008.*

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. *Tensile Test, prepared by West Penn Material Evaluation, dated September 12, 2007.*

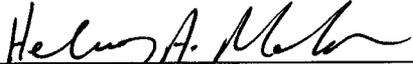
2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. *None.*

B. TESTS

1. *None.*



Helmy A. Makar, P.E., M.S.
Senior Product Control Examiner
NOA No. 09-0504.07
Expiration Date: 12/04/2013
Approval Date: 05/27/2009

McElroy Metal, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. CALCULATIONS

1. *None.*

D. QUALITY ASSURANCE

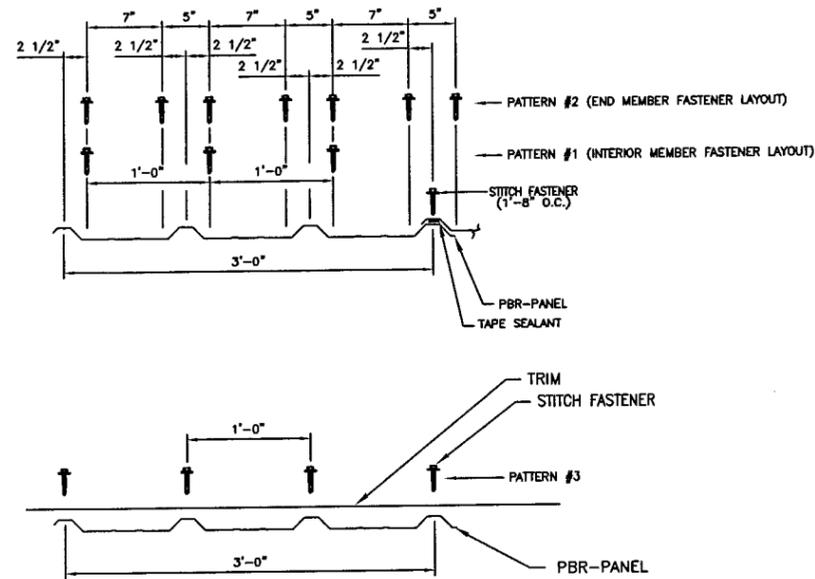
1. *By Miami-Dade County Building Code Compliance Office.*

E. MATERIAL CERTIFICATIONS

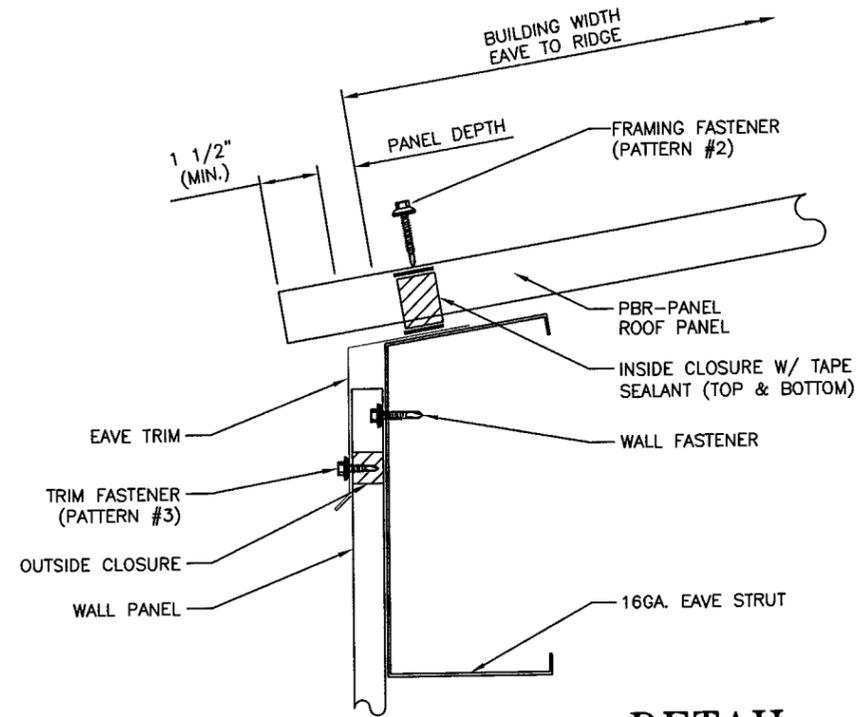
1. *None.*



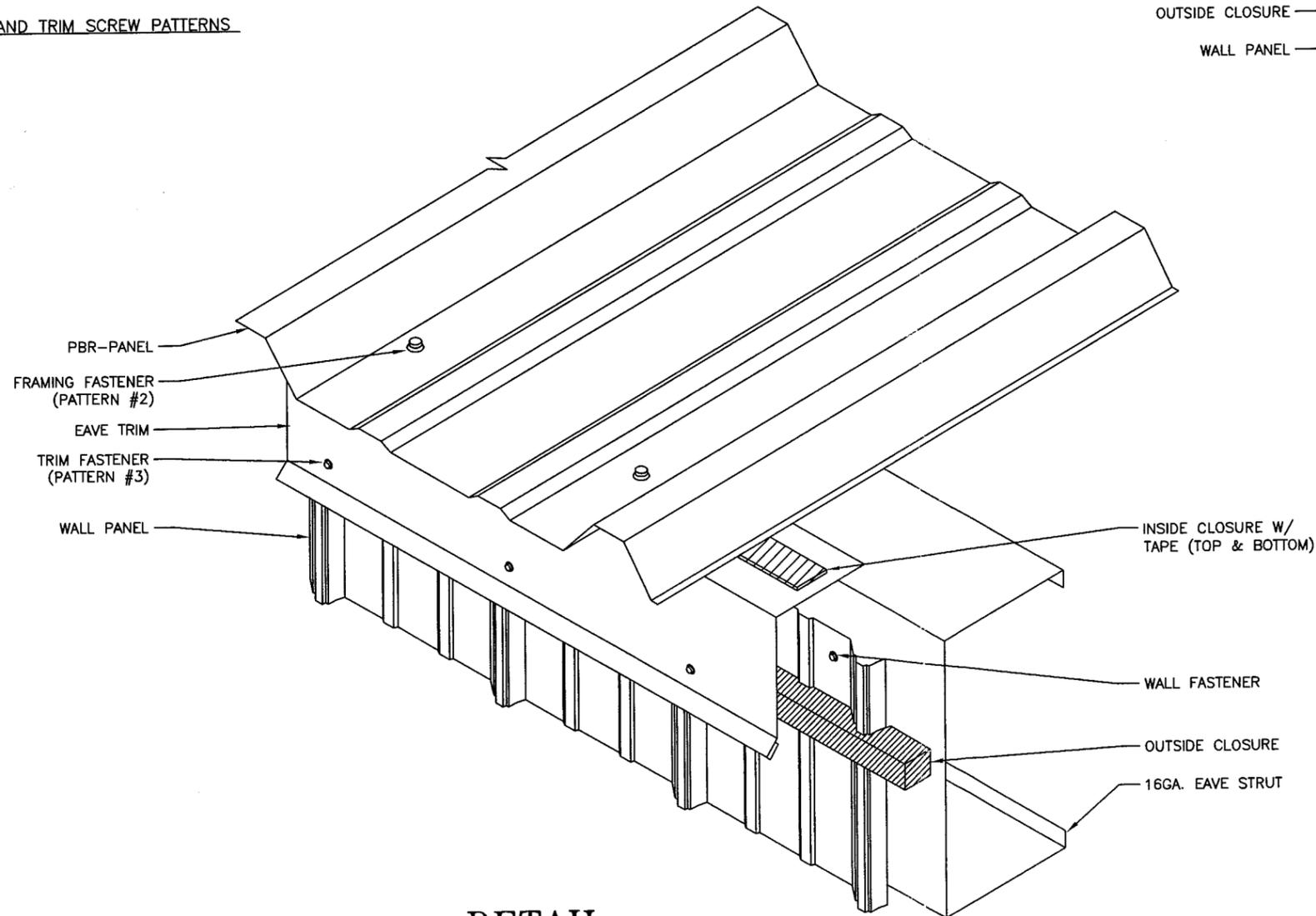
Helmy A. Makar, P.E., M.S.
Senior Product Control Examiner
NOA No. 09-0504.07
Expiration Date: 12/04/2013
Approval Date: 05/27/2009



R-PANEL FRAMING AND TRIM SCREW PATTERNS



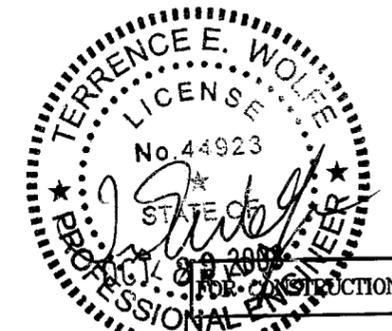
DETAIL @ EAVE



DETAIL @ EAVE (ISOMETRIC VIEW)

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 09-0504.07
 Expiration Date 12/04/2013
 By *Helmy A. Matar*
 Miami Dade Product Control
 Division

Approved as complying with the
 Florida Building Code
 Date 12/04/2008
 NOA# 08-1007.06
 Miami Dade Product Control
 Division
 By *Helmy A. Matar*



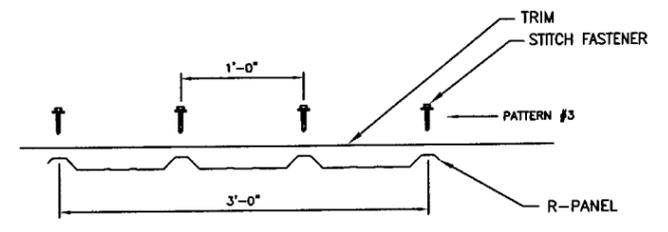
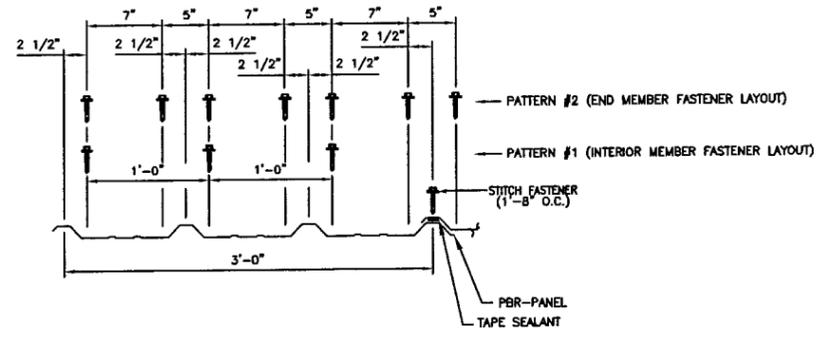
McELROY METAL, INC
 ENGINEERING SERVICES DEPT.
 1600 HAMILTON ROAD - BOSSIER CITY, LA. (518) 747-8000



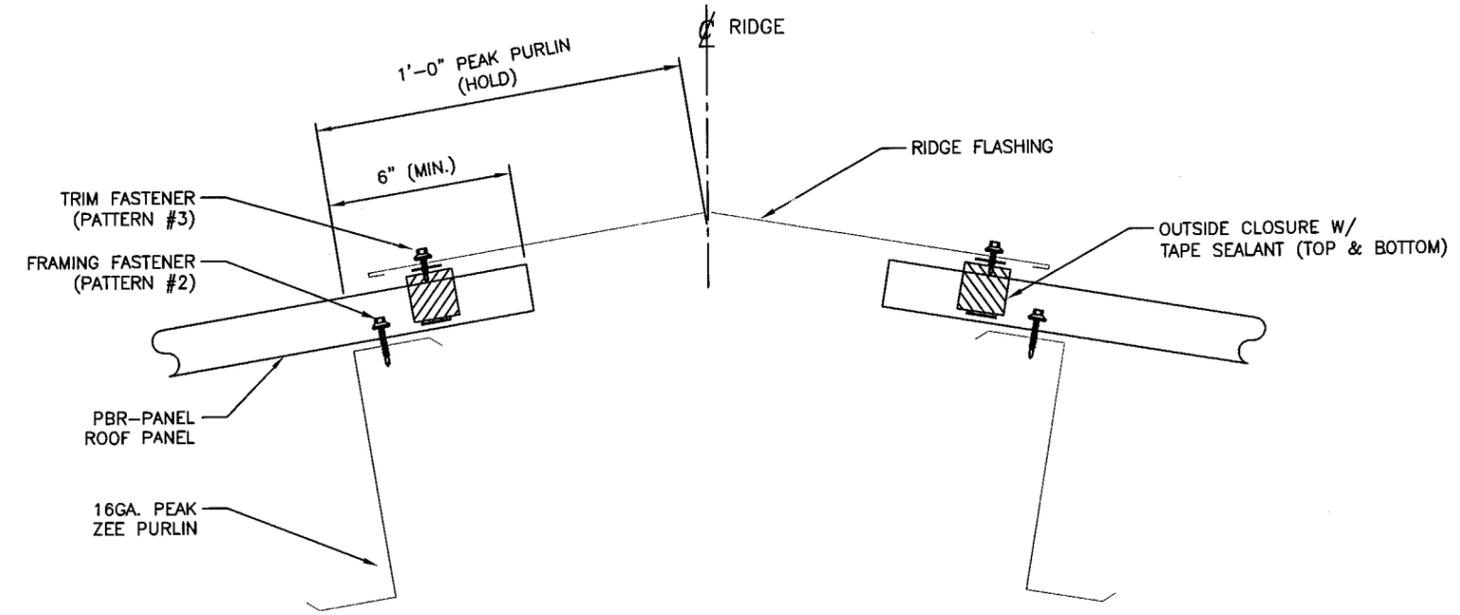
DADE COUNTY TESTING
 PBR-PANEL WATERHEAD TEST
 McELROY METAL, INC.
 MAN'F. ENG.: TERENCE E. WOLFE, P.E.
 FL REGISTRATION #: 44923

SCALE: N.T.S.
 DATE: 6/11/07
 DWN. BY: J. PURDY
 CHK'D BY: E. OSTER
 LOG NO.:
 E1 OF 5

OCT 29 2008



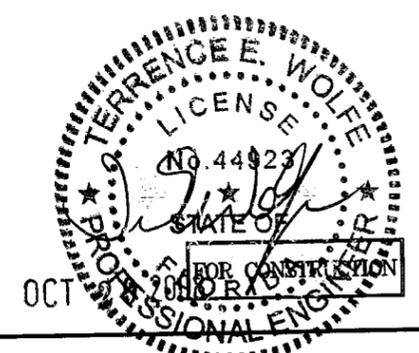
R-PANEL FRAMING AND TRIM SCREW PATTERNS



DETAIL @ RIDGE

PRODUCT REVISED
 as complying with the Florida Building Code
 Acceptance No. 09-0504.07
 Expiration Date 12/04/2013
 By *Helmy A. Wolfe*
 Miami Dade Product Control Division

Approved as complying with the Florida Building Code
 Date 12/04/2008
 NOAH 08-1207-26
 Miami Dade Product Control Division
 By *Helmy A. Wolfe*



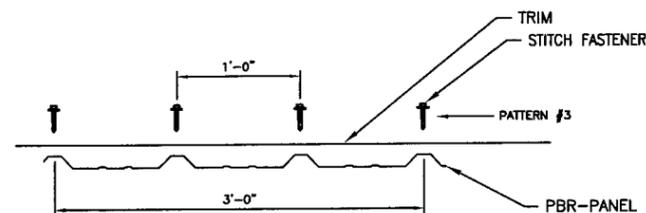
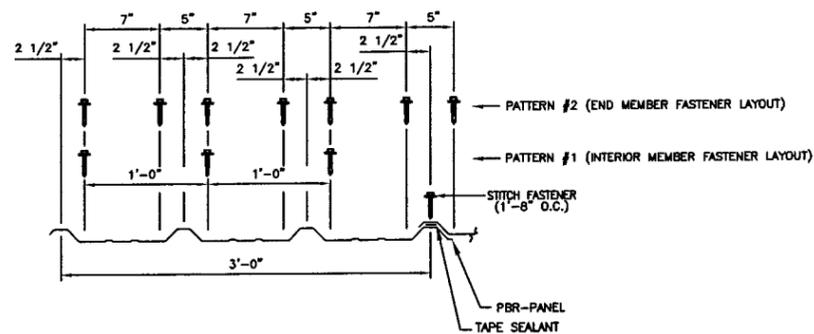
McELROY METAL, INC
 ENGINEERING SERVICES DEPT.
 1500 HAMILTON ROAD - BOSSIER CITY, LA. (518) 747-8000



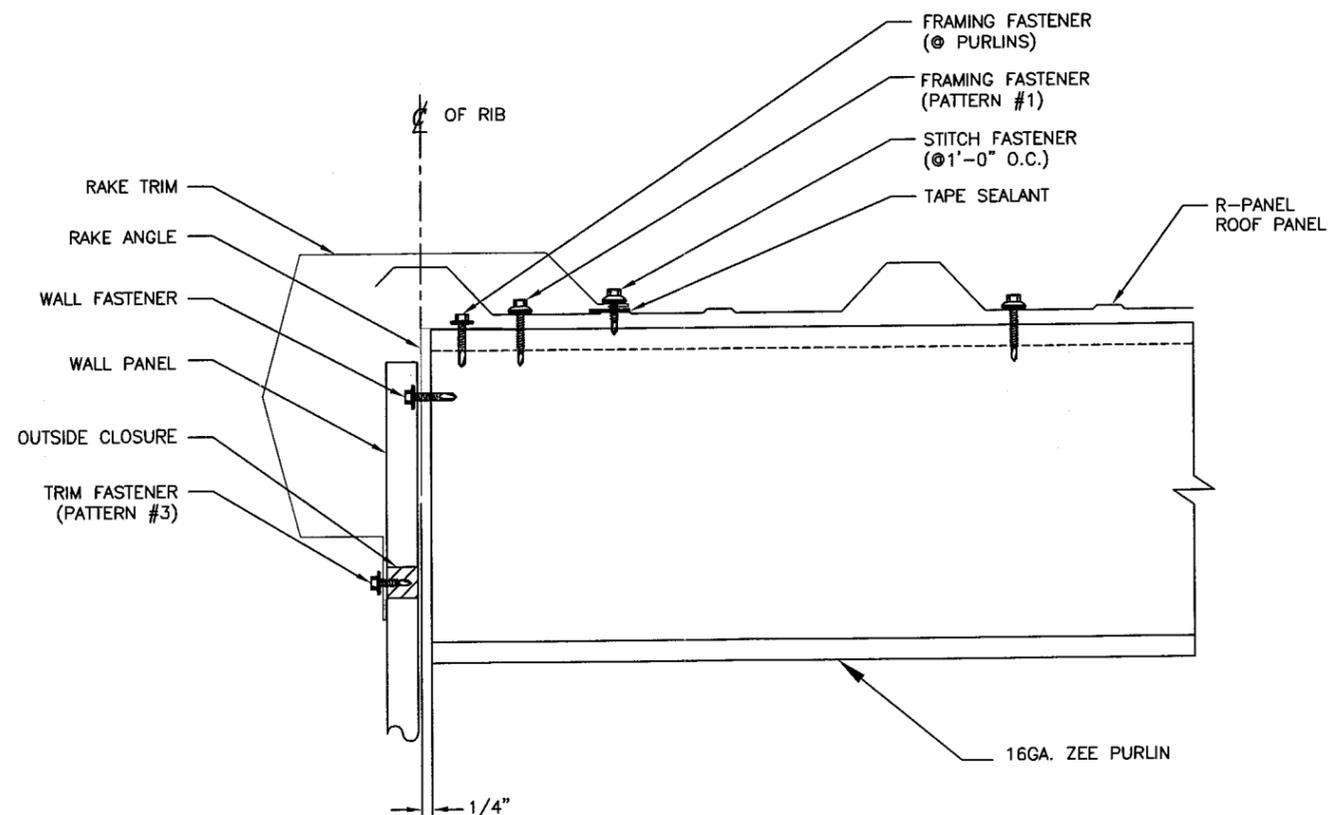
DADE COUNTY TESTING
 PBR-PANEL WATERHEAD TEST
 McELROY METAL, INC.
 MANF. ENG.: TERRENCE E. WOLFE, P.E.
 FL REGISTRATION #: 44923

SCALE: N.T.S.
DATE: 6/11/07
DWN. BY: J. PURDY
CHK'D BY: E. OSTEN
LOG NO. _____
E2 OF 5
DATE: 08/29/08

OCT 29 2008



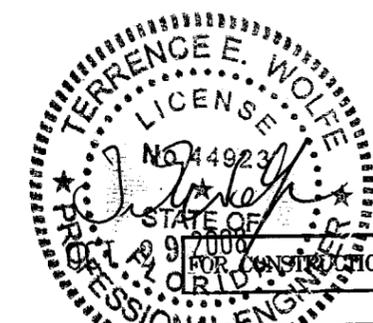
R-PANEL FRAMING AND TRIM SCREW PATTERNS



DETAIL
@ RAKE

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 09-0504.07
 Expiration Date 12/04/13
 By *Helmut A. Wolfe*
 Miami Dade Product Control
 Division

Approved as complying with the
 Florida Building Code
 Date 12/04/2008
 NOA# 08-1007.06
 Miami Dade Product Control
 Division
 By *Helmut A. Wolfe*



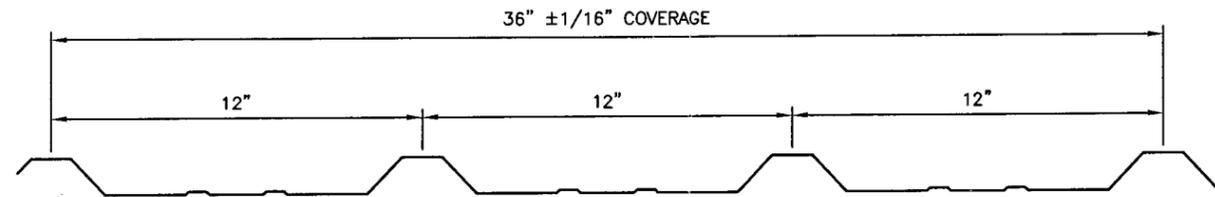
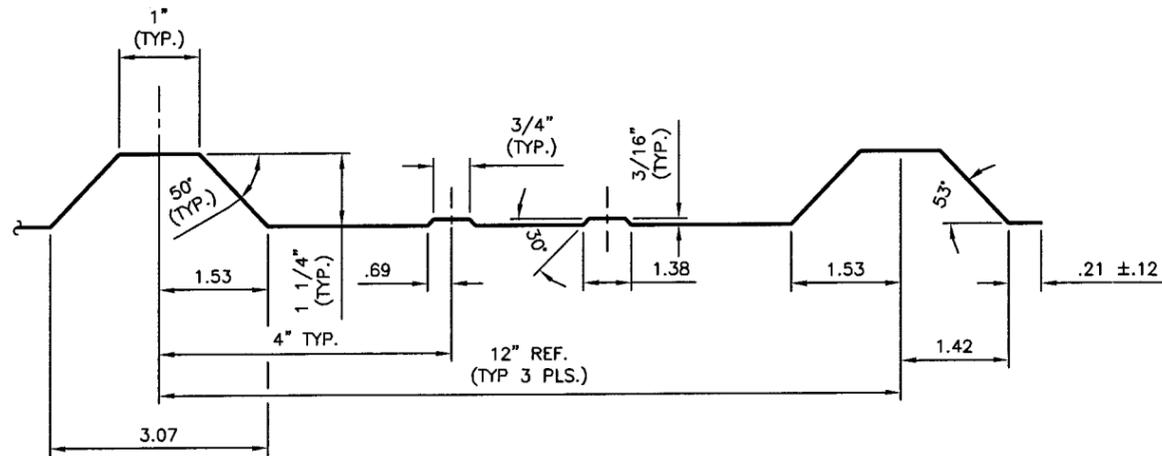
OCT 29 2008

McELROY METAL, INC
 ENGINEERING SERVICES DEPT.
 1600 HAMILTON ROAD - BOSSIER CITY, LA. (318) 747-8000



DADE COUNTY TESTING
 PBR-PANEL WATERHEAD TEST
 McELROY METAL, INC.
 MAN'F. ENG.: TERRENCE E. WOLFE, P.E.
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SCALE: N.T.S.
 DATE: 6/11/07
 DWN. BY: J. PURDY
 CHKD BY: E. OSTEI
 LOG NO:
 E3 of 5



PBR-PANEL

NOTES:

1. THE MAXIMUM UPLIFT DESIGN PRESSURE SHALL BE CALCULATED USING THE FOLLOWING ALLOWABLES.

- POSTIVE PRESSURE
 - A) MAXIMUM ALLOWABLE BENDING MOMENT OF THE PANEL AT SUPPORTS = 119.75 FT. LB.
 - B) MAXIMUM ALLOWABLE BENDING MOMENT OF THE PANEL BETWEEN SUPPORTS = 95.8 FT. LB.
 - C) MAXIMUM ALLOWABLE DEFLECTION OF ROOF PANEL = L/240
 - D) MAXIMUM SUPPORT REACTION = 95.8 LBS. EXT. = 263.45 LBS. INT.
 - E) $EI = 1.4278 \times 10^6 \text{ LB-IN}^2$
- NEGATIVE PRESSURE
 - A) MAXIMUM ALLOWABLE BENDING MOMENT OF THE PANEL AT SUPPORTS = 106.75 FT. LB.
 - B) MAXIMUM ALLOWABLE BENDING MOMENT OF THE PANEL BETWEEN SUPPORTS = 85.4 FT. LB.
 - C) MAXIMUM ALLOWABLE DEFLECTION OF ROOF PANEL = L/240
 - D) MAXIMUM SUPPORT REACTION = 85.4 LBS. EXT. = 234.85 LBS. INT.
 - E) $EI = 1.2728 \times 10^6 \text{ LB-IN}^2$

2. THE MAXIMUM ALLOWABLE SPANS & PRESSURES ARE AS FOLLOWS:

- POSTIVE PRESSURE

SPAN	PRESSURE
5'-0"	47.9 PSF
2'-0"	156.65 PSF
- NEGATIVE PRESSURE

SPAN	PRESSURE
5'-0"	42.7 PSF
2'-0"	117.65 PSF

PRODUCT REVISED
 as complying with the Florida Building Code
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 By Helmut A. Mahr
 Miami Dade Product Control Division

Approved as complying with the Florida Building Code
 Date 12/04/2008
 NOA# 08-1007-06
 Miami Dade Product Control Division
 By Helmut A. Mahr

PANEL ACCESSORIES

- 1/4-14 x 7/8" LAP/TEK ZAC
BY: SFS INTEC
* SEE NOTE BELOW
- 1/4-14 x 1 1/4" TEK2 ZAC
BY: SFS INTEC
* SEE NOTE BELOW

SIKASTOMER 511 TUBE SEALANT
BY: SIKA

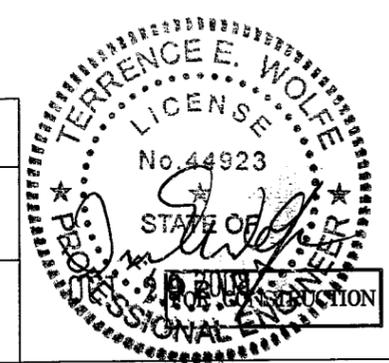
SIKAFLEX 201 URETHANE TUBE SEALANT
BY: SIKA

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

1/8" X 1" 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



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 PBR-PANEL WATERHEAD TEST
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 E5 OF 5
 CHG. ORDER NO. DATE:

OCT 29 2008