



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 Wall" .023"(min) Steel Wall Panel

APPROVAL DOCUMENT: Drawing No. E, titled " PBR – Panel Waterhead Test" ", sheets 1 through 5 of 5, prepared by McElroy Metal, Inc. Engineering Services Dept., signed and sealed by Terrence E. Wolfe, P.E. on February 12, 2009, 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 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 and approval document mentioned above. The submitted documentation was reviewed by **Fitz A. Harris , P.E.**



Fitz A. Harris
 2/23/09

NOA No. 08-1007.07
Expiration Date: 3/18/2014
Approval Date: 3/18/2009
Page 1

McElroy Metal, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. *Drawing No. E, titled "PBR – Panel Waterhead Test", sheets 1 through 5 of 5, prepared by McElroy Metal, Inc. Engineering Services Dept., signed and sealed by Terrence E. Wolfe, P.E. on February 12,, 20090.*

B. TESTS

Test reports on:

- 1) Air Infiltration Test, per FBC, TAS 202-94
- 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
- 3) Water Resistance Test, per FBC, TAS 202-94
- 4) Large Missile Impact Test, per FBC, TAS 201-94
- 5) Cyclic Wind Pressure Loading, per FBC, TAS 203-94
along with drawings and installation diagram of PBR Panel assembly,
prepared by Farabaugh Engineering and Testing, Test Report No. T295-07, dated
09/30/07, (revised 4/23/08) signed and sealed by Daniel G. Farabaugh, P.E.

C. CALCULATIONS

1. *Calculations titled "R Panel, 24 Ga.", 2 pages, prepared by Terrence E. Wolfe, P.E., signed and sealed by Terrence E. Wolfe, P.E. on December 6, 2008.*

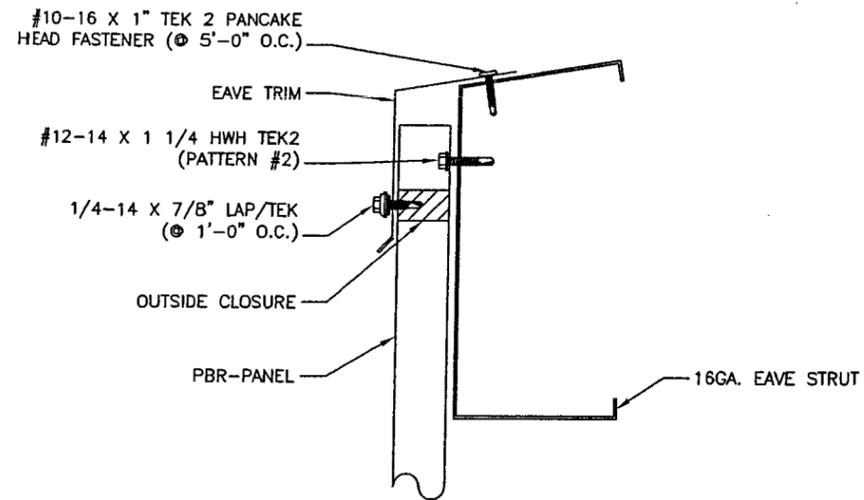
D. QUALITY ASSURANCE

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

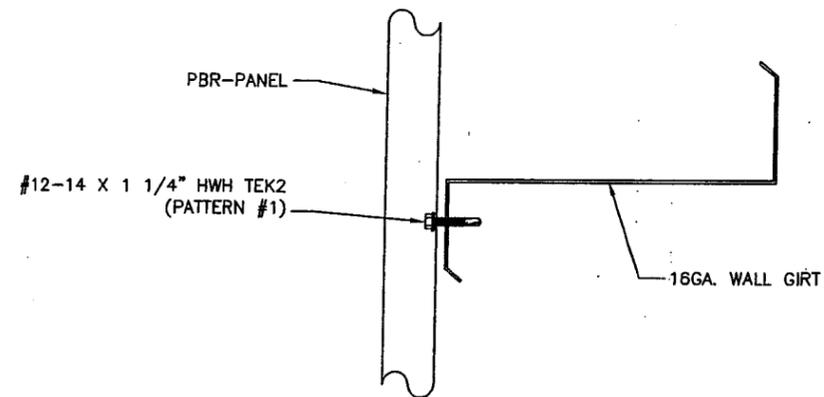
E. MATERIAL CERTIFICATIONS

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

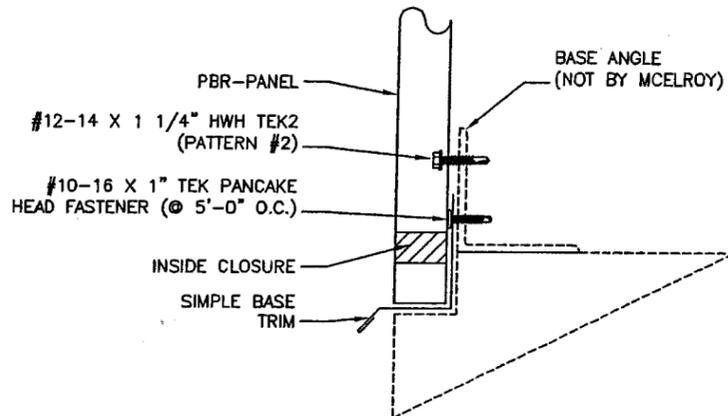
**Fitz A. Harris, P.E.,
Product Control Examiner
NOA No. 08-1007.07
Expiration Date: 3/18/2014
Approval Date: 3/18/2009**



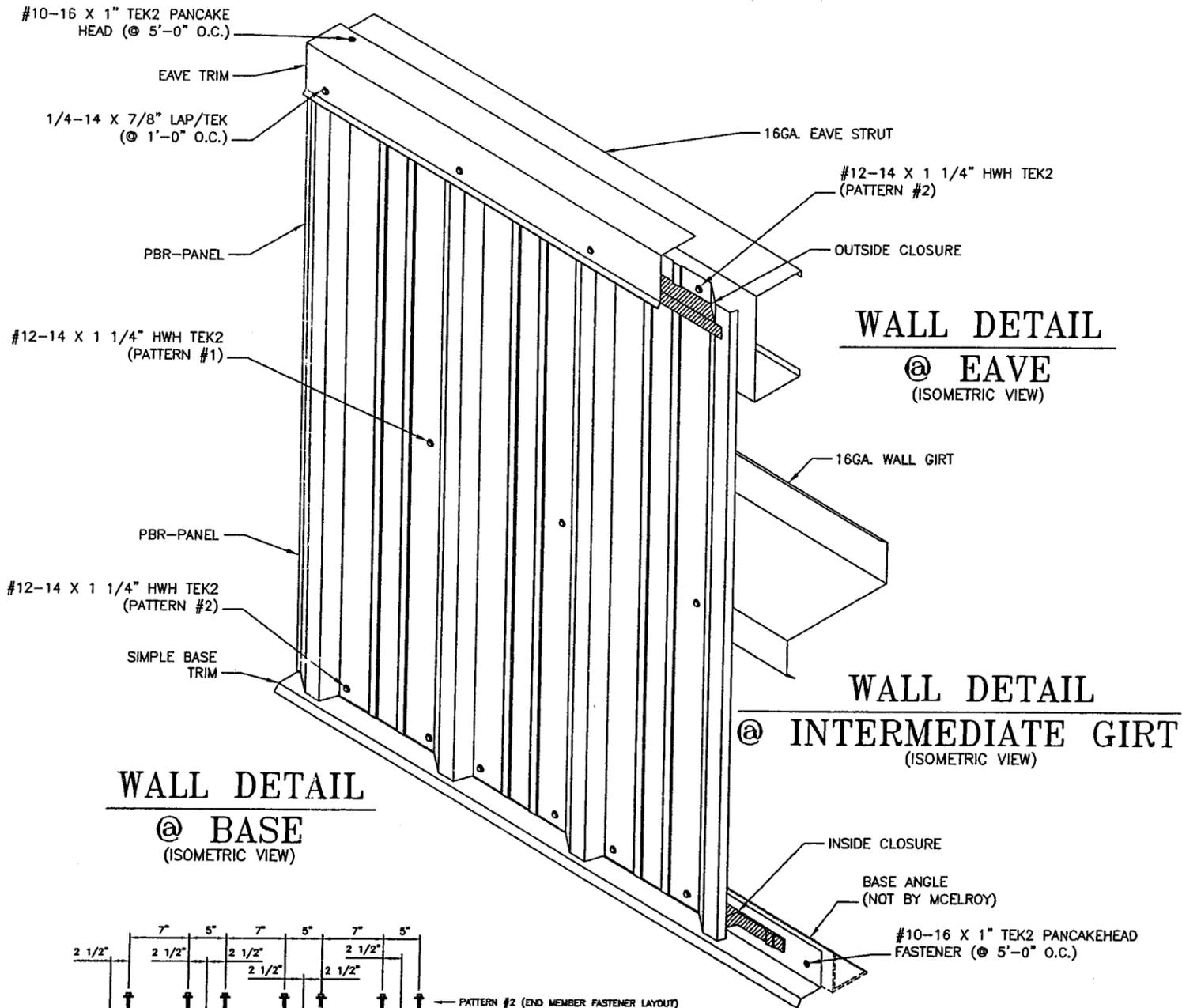
WALL DETAIL
@ EAVE



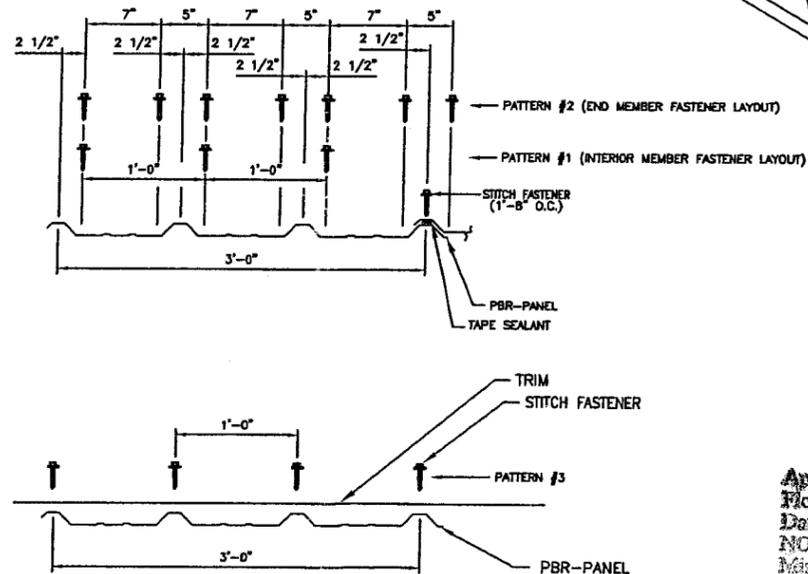
WALL DETAIL
@ INTERMEDIATE GIRTS



WALL DETAIL
@ BASE



WALL DETAIL
@ BASE
(ISOMETRIC VIEW)



R-PANEL FRAMING AND TRIM SCREW PATTERNS

Approved as complying with the
Florida Building Code
Date 2-23-09
NOAR 08-1007-07
Miami Dade Product Control
Division
By *City Harris*

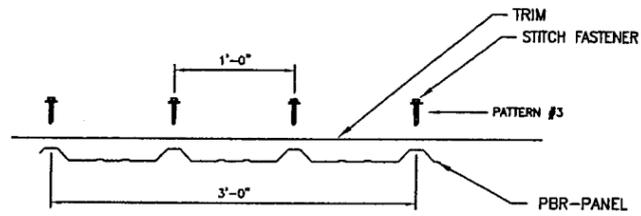
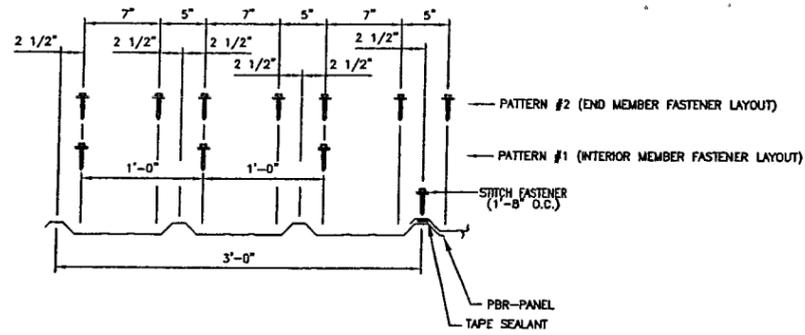
J. Wolfe
EB 12 2009
FOR CONSTRUCTION

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

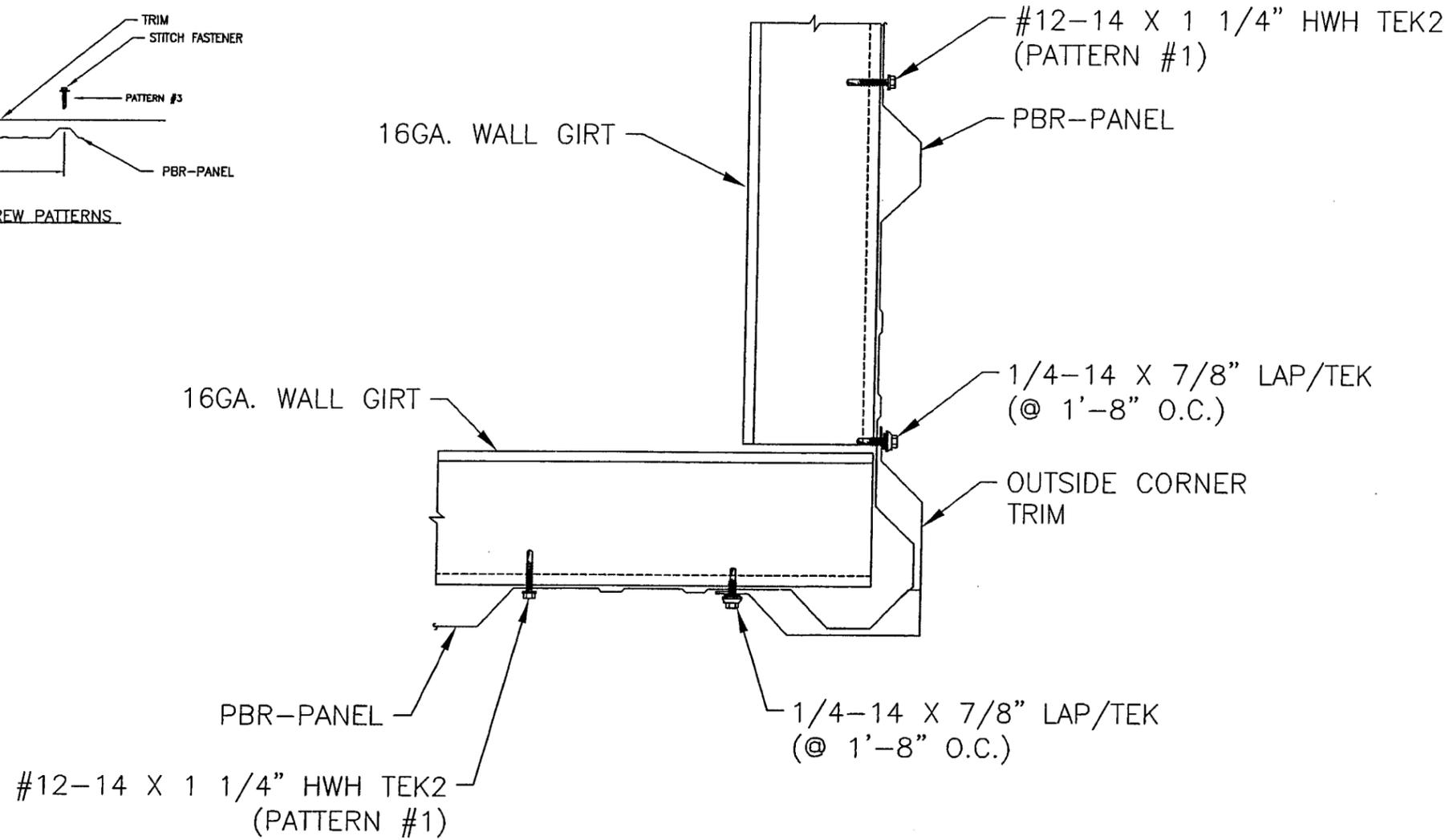


DADE COUNTY TESTING
PBR-PANEL WATERHEAD TEST
MCELROY METAL, INC.
MANIF. ENG.: TERENCE E. WOLFE, P.E.
FL REGISTRATION #: 44923

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



R-PANEL FRAMING AND TRIM SCREW PATTERNS



DETAIL
@ OUTSIDE CORNER

Approved as complying with the
Florida Building Code
Date 2-23-09
NOA# 08-1007-07
Miami Dade Product Control
Division
By *[Signature]*

[Signature]
FEB 12 2009

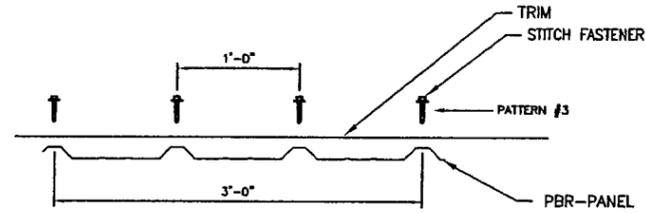
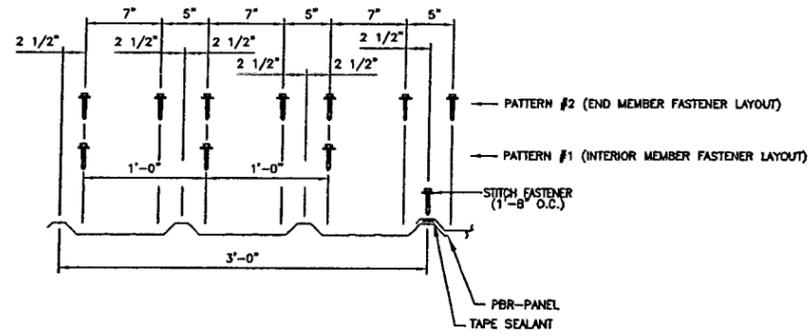
FOR CONSTRUCTION

McELROY METAL, INC
ENGINEERING SERVICES DEPT.
1500 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.
FL REGISTRATION #: 44923

SCALE: N.T.S.
DATE: 6/11/07
DWN. BY: J. PURDY
CHKD BY: E. OSTER
LOG NO: _____
E2 OF 5



R-PANEL FRAMING AND TRIM SCREW PATTERNS

1/4-14 X 7/8" LAP/TEK
 (@ 1'-8" O.C.)

16GA. WALL GIRT

PBR-PANEL
 #12-14 X 1 1/4" HWH TEK2
 (PATTERN #1)

INSIDE CORNER
 TRIM

#12-14 X 1 1/4" HWH TEK2
 (PATTERN #1)

PBR-PANEL

#12-14 X 1 1/4" HWH TEK2
 (PATTERN #1)

1/4-14 X 7/8" LAP/TEK
 (@ 1'-8" O.C.)

16GA. WALL GIRT

DETAIL
@ INSIDE CORNER

Approved as complying with the
 Florida Building Code
 Code 2-23-09
 NOA# 08-1007-07
 Miami Dade Product Control
 Division
 By *[Signature]*

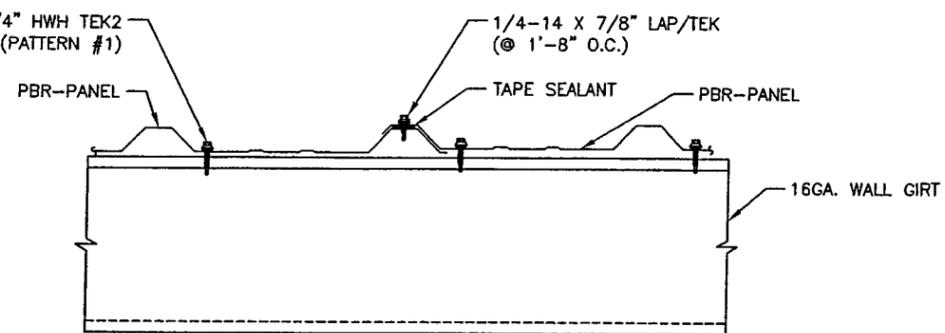
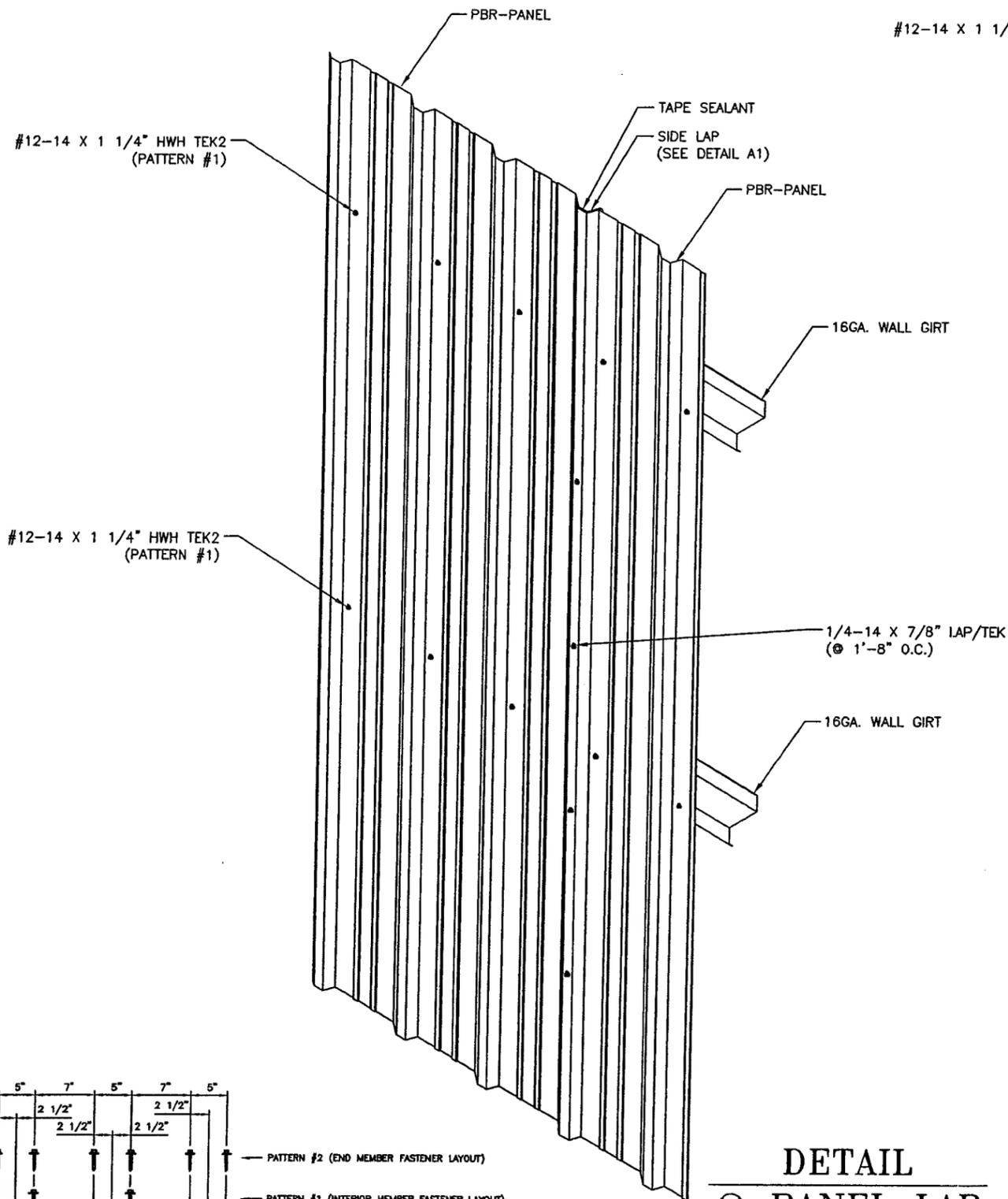
[Signature]
 FEB 12 2009
 FOR CONSTRUCTION

McELROY METAL, INC
 ENGINEERING SERVICES DEPT.
 1800 HAMILTON ROAD - BOSSIER CITY, LA. (318) 747-8000

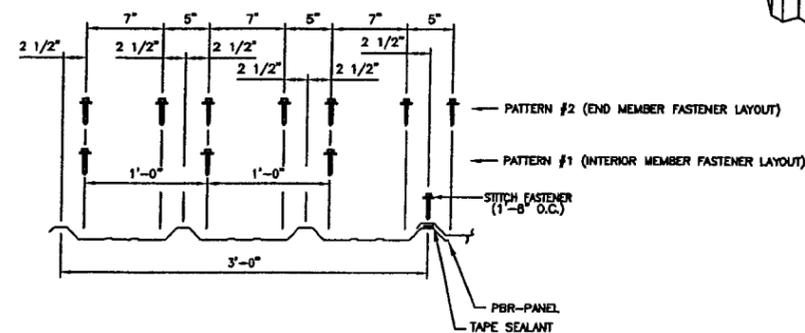


DADE COUNTY TESTING
 PBR-PANEL WATERHEAD TEST
 McELROY METAL, INC.
 MANF. ENG.: TERENCE E. WOLFE, P.E.
 FL REGISTRATION #: 44923

SCALE: N.T.S.
DATE: 6/11/07
DWN. BY: J. PURDY
CHKD BY: E. OSTEP
LOG NO: _____
E3 OF 5



DETAIL A1



DETAIL @ PANEL LAP (ISOMETRIC)

Approved as complying with the
 Florida Building Code
 Date 2-23-09
 NOA# CB-100707
 Miami Dade Product Control
 Division
 By *Sally Harris*

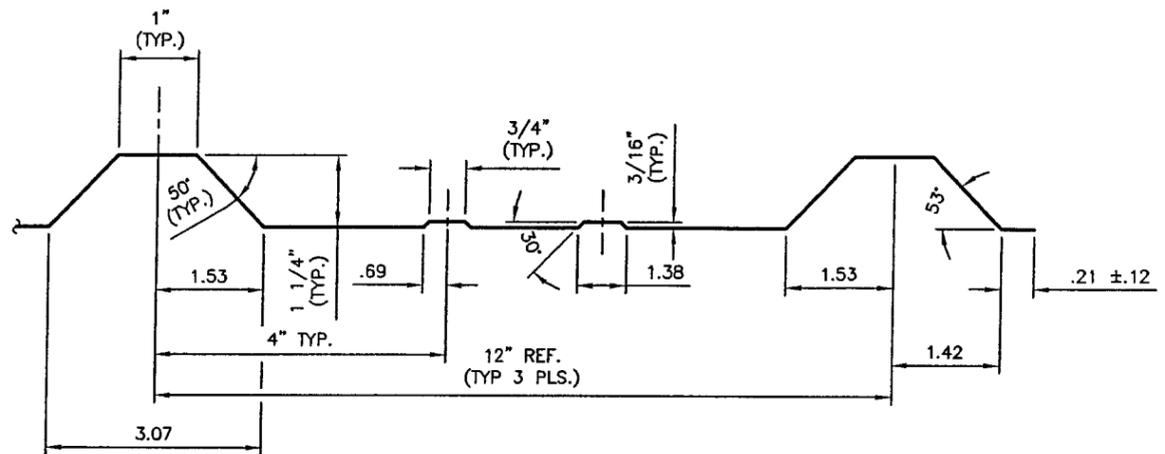
J. Purdy
 FEB 12 2009
 FOR CONSTRUCTION

McELROY METAL, INC
 ENGINEERING SERVICES DEPT.
 1500 HAMILTON ROAD - BOSSIER CITY, LA. (513) 747-8000



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

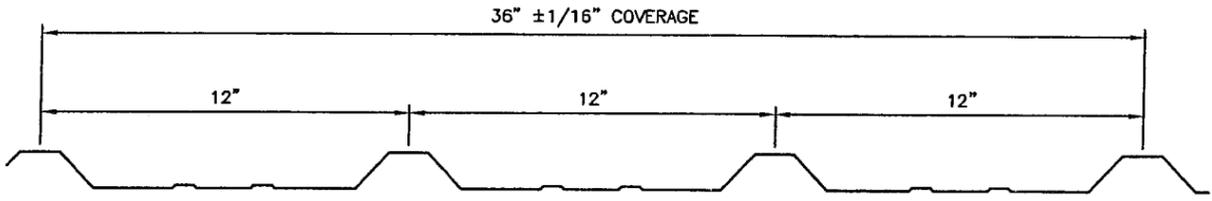
SCALE: N.T.S.
 DATE: 6/11/07
 DWN. BY: J. PURDY
 CHK'D BY: E. OSTEN
 LOG NO.:
 E4 OF 5



NOTES:

- THE MAXIMUM UPLIFT DESIGN PRESSURE SHALL BE CALCULATED USING THE FOLLOWING ALLOWABLES.
 - MAXIMUM ALLOWABLE BENDING MOMENT OF THE PANEL AT SUPPORTS = 156.25 FT. LB.
 - MAXIMUM ALLOWABLE BENDING MOMENT OF THE PANEL BETWEEN SUPPORTS = 87.89 FT. LB.
 - MAXIMUM ALLOWABLE DEFLECTION OF WALL PANEL = L/240
 - MAXIMUM SUPPORT REACTION = 93.75 LBS. EXT.
= 156.25 LBS. INT.
 - $EI = 1.2213 \times 10^8 \text{ LB-IN}^2$
- THE MAXIMUM ALLOWABLE SPANS & PRESSURES ARE AS FOLLOWS:

SPAN	PRESSURE
5'-0"	50.0 PSF



PBR-PANEL

Approved as complying with the
 Florida Building Code
 Date 2-23-09
 NOA# DR-1007-07
 Miami Dade Product Control
 Division
 By [Signature]

PANEL ACCESSORIES

1/4-14 x 7/8" LAP/TEX
BY: SFS INTEC

#12-14 x 1 1/4" HWH TEX2
BY: SFS INTEC

SIKALASTOMER 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

FEB 12 2009
FOR CONSTRUCTION

McELROY METAL, INC
 ENGINEERING SERVICES DEPT.
 1800 HAMILTON ROAD - BOSSIER CITY, LA. (519) 747-8000



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

SCALE: N.T.S.
 DATE: 6/11/07
 DWN. BY: J. PURDY
 CHKD BY: E. OSTER
 LOG NO: _____
 E5 OF 5