



**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: (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 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, Route 10 East, Clinton, IL 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 #07-1029.11** and 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*  
 05/27/2009

**NOA No. 09-0504.04**  
**Expiration Date: 08/14/2013**  
**Approval Date: 05/27/2009**

**McElroy Metal, Inc.**

**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 in accordance with Miami-Dade county Protocol TAS 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.).*

**2. NEW EVIDENCE SUBMITTED**

**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.*

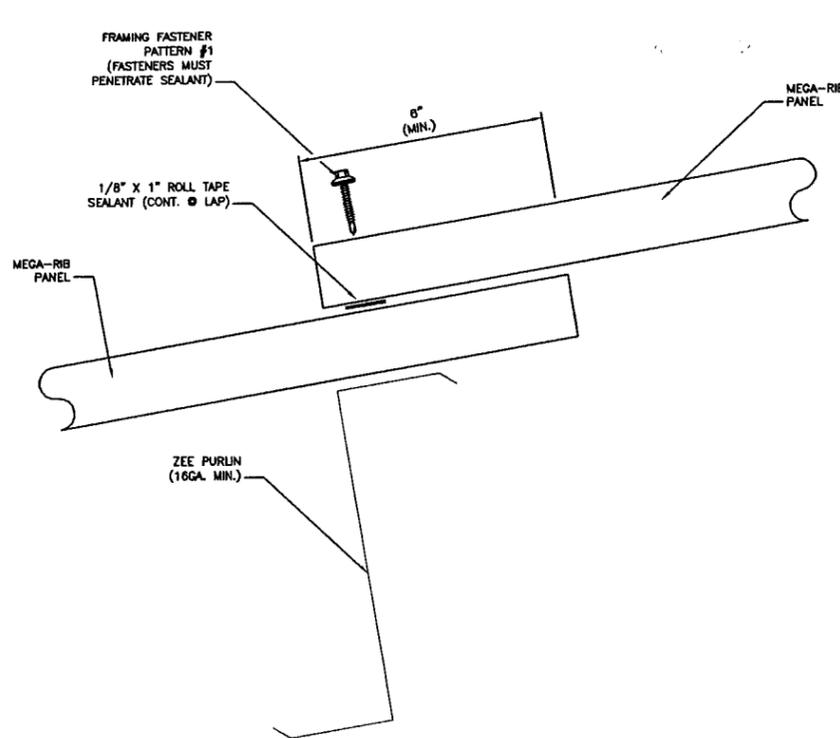


**Helmy A. Makar, P.E., M.S.**  
**Senior Product Control Examiner**  
**NOA No. 09-0504.04**  
**Expiration Date: 08/14/2013**  
**Approval Date: 05/27/2009**

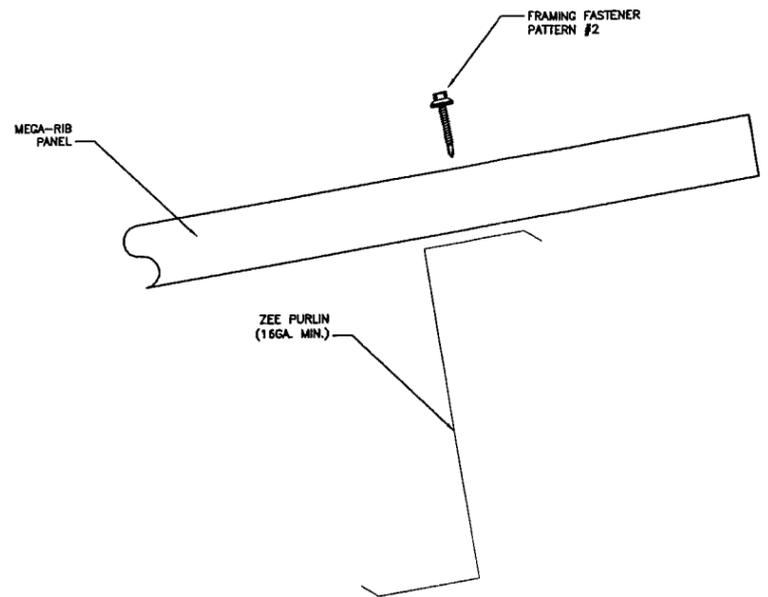




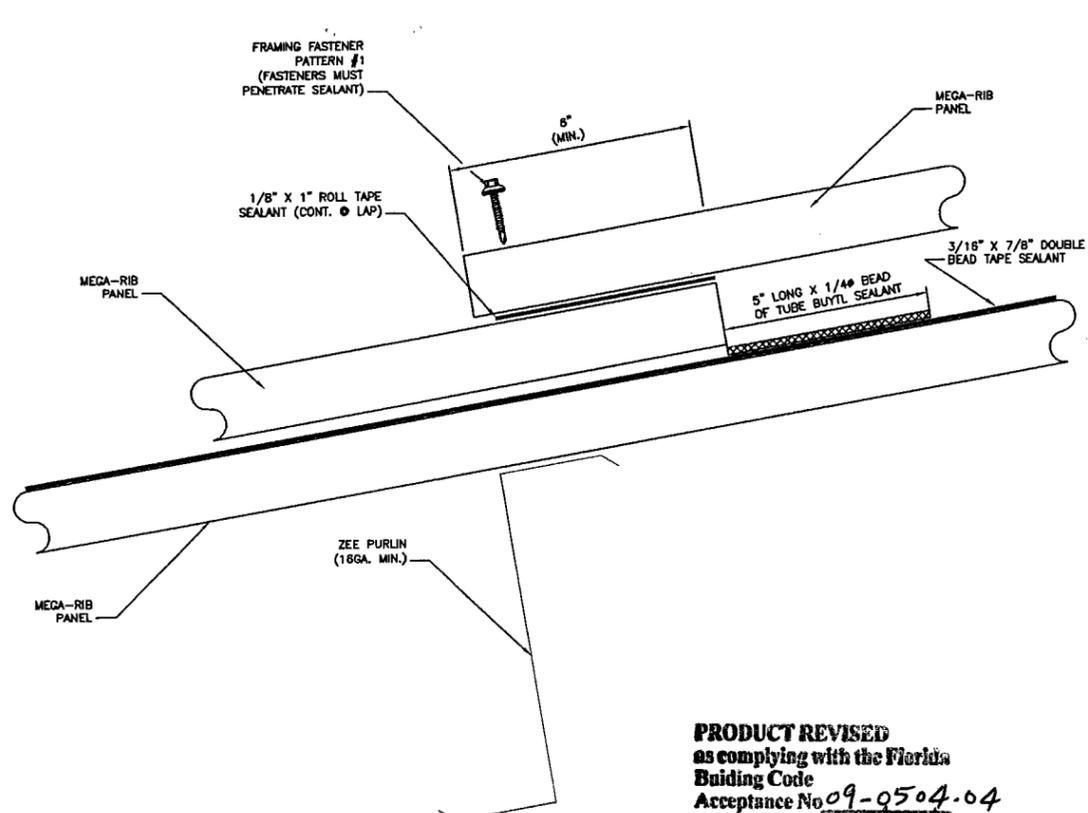




DETAIL  
@ PANEL LAP

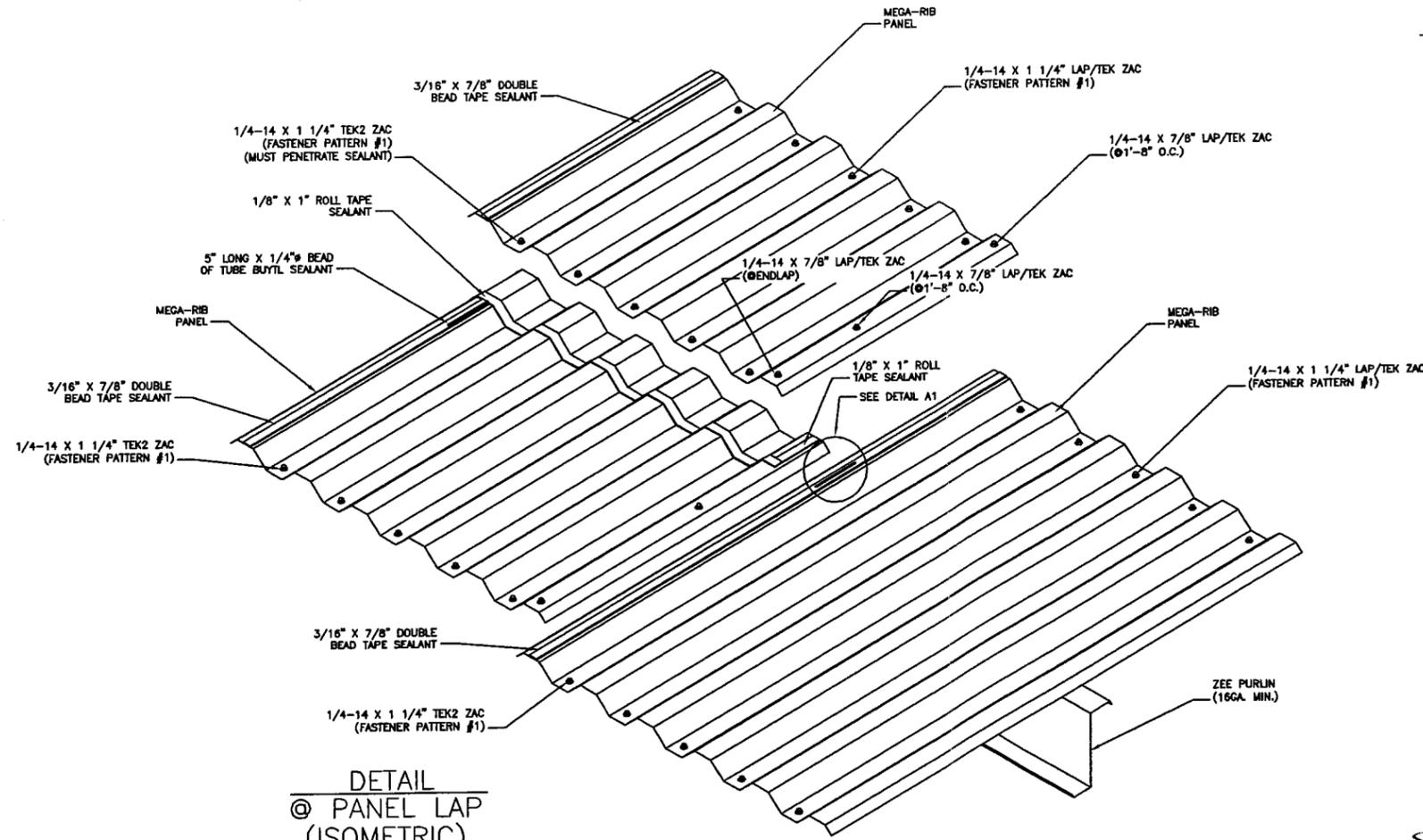


DETAIL  
@ INTERMEDIATE PURLIN



DETAIL A1

**PRODUCT REVISED**  
 as complying with the Florida  
 Building Code  
 Acceptance No. 09-0504.04  
 Expiration Date 08/14/2013  
 By *Helmut A. Mohr*  
 Miami Dade Product Control  
 Division



DETAIL  
@ PANEL LAP  
(ISOMETRIC)

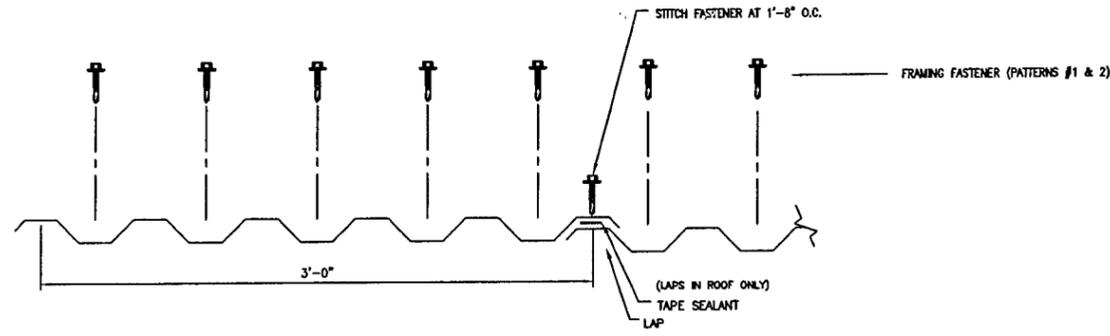
*Terrence E. Wolfe*  
 7-8-08

Approved as complying with the Florida Building Code Date 08/14/2008 NOA# 07-1029-11 Miami Dade Product Control Division By <i>Helmut A. Mohr</i>			
MANUFACTURING ENGINEER: TERRENCE E. WOLFE, P.E. FLORIDA REGISTRATION NUMBER: 44923			
RELEASED FOR APPROVAL			
LOG NUMBER	DATE	BY	DESCRIPTION
05	12-8-05	CJP	DADE COUNTY TESTING (MEGA-RIB 24GA. DETAILS)
D	12-8-05	TLJ	MCELROY METAL, INC.
A	12-8-05	TLJ	1500 HAMILTON RD.
D	12-8-05	TLJ	BOSSIER CITY, LA
E	12-8-05	TLJ	
1			

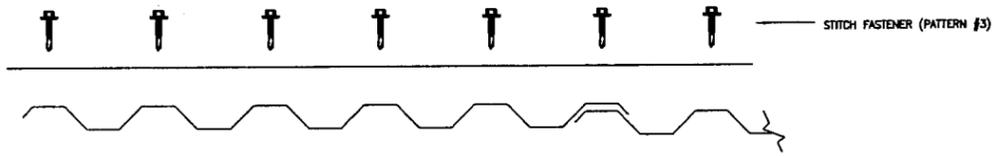
**NOTES:**

- 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:

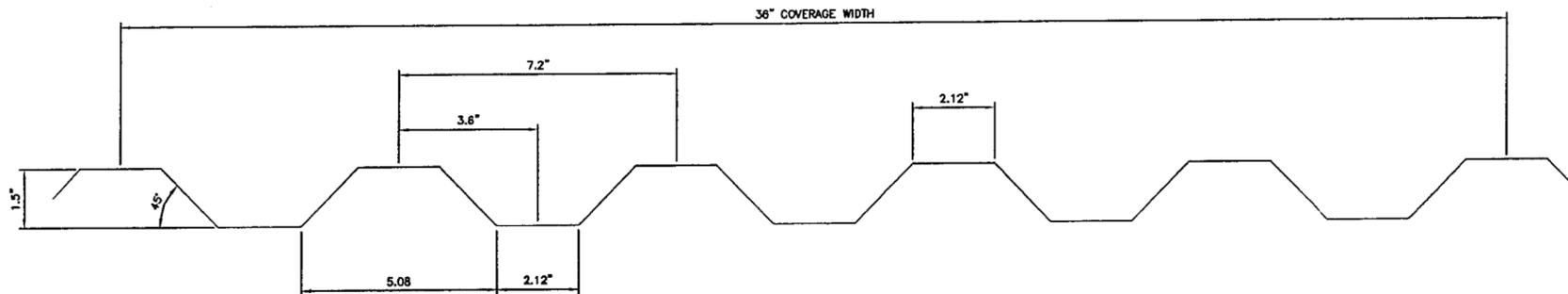
SPAN	PRESSURE
5'-0"	50.50 PSF
2'-0"	94.75 PSF



TYPICAL FRAMING AND STITCH FASTENER PATTERNS



TYPICAL FRAMING AND STITCH FASTENER PATTERNS FOR TRIM



MEGA-RIB CROSS SECTION

**PRODUCT REVISED**  
 as complying with the Florida  
 Building Code  
 Acceptance No 09-0504.04  
 Expiration Date 08/14/2013  
 By Helmy A. Melon  
 Miami Dade Product Control  
 Division

Approved as complying with the  
 Florida Building Code  
 Date 08/14/2008  
 NOA# 07-1024.11  
 Miami Dade Product Control  
 Division  
 By Helmy A. Melon

**PANEL ACCESSORIES**

**STITCH FASTENERS:**  
 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
A792	24	.023 (MIN.)	50 KSI (MIN.)	65 KSI (MIN.)	AZ 55 (BARE) AZ 50 (PAINTED)

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

RELEASED FOR APPROVAL

ISSUE	DATE	DETAILS	DESCRIPTION
A	2-8-07	CJP	RELEASED FOR APPROVAL
05			<b>MCELROY METAL, INC</b> ENGINEERING SERVICE DEPARTMENT 1500 HAMILTON ROAD - BOSSIER CITY, LA. (318) 747-8000
D			DADE COUNTY TESTING (MEGA-RIB 24GA. DETAILS)
A			MCELROY METAL, INC. 1500 HAMILTON RD.
D			BOSSIER CITY, LA
E			

DATE: 08/14/2008

BY: Helmy A. Melon