



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

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov

Butler Manufacturing Company
13500 Botts Road
Grandview, Missouri 64030

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: "MR-24" 0.032" (min.) Galvalume Steel Roof Panel

APPROVAL DOCUMENT: Dwg. No. B, titled "MR-24 Roof Panel", sheets 1 through 6 of 6, prepared by Butler Manufacturing Company, dated 07/12/2004, sheets 1 & 2 of 6, & 11/04/1999, sheets 3, 4, 5, & 6 of 6, all signed & sealed by John Ernest Lamb, P.E. on 07/25/2004, bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and 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, 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 **renews NOA # 08-0208.04** and consists of this page 1, evidence submitted pages E-1, E-2 & E-3 as well as approval document mentioned above.

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



Helmy A. Makar
 01/01/2009

NOA No. 08-1112.11
Expiration Date: 12/09/2009
Approval Date: 01/01/2009
Page 1

Butler Manufacturing Company

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 99-0816.08

A. DRAWINGS

1. *Drawing No. B, sheets 1 through 6 of 6, prepared by Suresh C. Satsangi, P.E., dated November 4, 1999, signed and sealed by Suresh C. Satsangi, P.E.*

B. TESTS

1. *Test report on Uplift Resistance per UL 580 Class 90 on MR-24 Roof Panel, prepared by Hurricane Test Laboratory, Inc., Report No. 0063-0311-99, dated 03/22-24/99, signed and sealed by Vinu J. Abraham, P.E.*
2. *Test report on Accelerated Weathering Testing of Coating 2000 hours per ASTM G26-96, prepared by Celotex, Report No. 520223, dated 08/02/99, signed and sealed by R. C. Miller, P.E.*
3. *Test report on Salt Spray Testing of Coating 1000 hours per ASTM B117-95, prepared by Celotex, Report No. 520223, dated 08/02/99, signed and sealed by R. C. Miller, P.E.*
4. *Susceptibility to leakage test in accordance with Miami-Dade County Protocol PA 114 Appendix G, prepared by Celotex, Report No. 520223-1, dated 07/01/99, signed and sealed by R. C. Miller, P.E.*

C. CALCULATIONS

1. *Calculations titled "MR-24 Wind Load Design for Roof", dated 07/28/99, pages 1 through 10 of 10, prepared by Suresh C. Satsangi, P.E., signed and sealed by Suresh C. Satsangi, P.E.*

D. MATERIAL CERTIFICATIONS

1. *Mill Certified Test Report issued by U. S. Steel Group, dated 01/21/99, with chemical composition and mechanical properties of galvalume steel.*
2. *Tensile Test on specimen #3 of Test No. 0063-0311-99, Report No. 9CM-777A, prepared by QC Metallurgical, Inc., dated 04/23/99, signed and sealed by Frank Grate, P.E.*

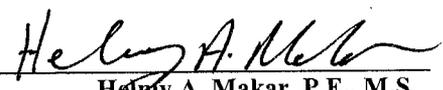
2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 02-1211.09

A. DRAWINGS

1. *Drawing No. B, titled "Mr-24 Roof Panel ", sheets 1 through 6 of 6, prepared by Butler Manufacturing Company, dated January 06, 2003, sheets 1 & 2 of 6, and dated November 4, 1999, sheets 3, 4, 5, & 6 of 6, all signed and sealed by John Ernest Lamb, P.E. on January 16, 2003.*

B. TESTS

1. *None.*



Helmy A. Makar, P.E., M.S.
Product Control Examiner
NOA No. 08-1112.11
Expiration Date: 12/09/2009
Approval Date: 01/01/2009

Butler Manufacturing Company

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. CALCULATIONS

1. *None.*

D. MATERIAL CERTIFICATIONS

1. *None.*

3. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 04-0803.01

A. DRAWINGS

1. *Drawing No. B, titled "MR-24 Roof Panel", sheets 1 through 6 of 6, prepared by Butler Manufacturing Company, dated 07/12/2004, sheets 1 & 2 of 6, & 11/04/1999, sheets 3, 4, 5, & 6 of 6, all signed & sealed by John Ernest Lamb, P.E. on 07/25/2004*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *Calculations titled "MR-24 Roof Panel", dated 07/08/04, 5 pages, prepared by Myron Kottwitz, P.E., signed and sealed by Myron Kottwitz.*

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. *None.*

4. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #08-0208.04

A. DRAWINGS

1. *None.*

B. TESTS

1. *None.*

C. CALCULATIONS

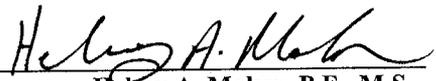
1. *None.*

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. *None.*



Henry A. Makar, P.E., M.S.

Product Control Examiner

NOA No. 08-1112.11

Expiration Date: 12/09/2009

Approval Date: 01/01/2009

Butler Manufacturing Company

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

5. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. *None.*

B. TESTS

2. *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.

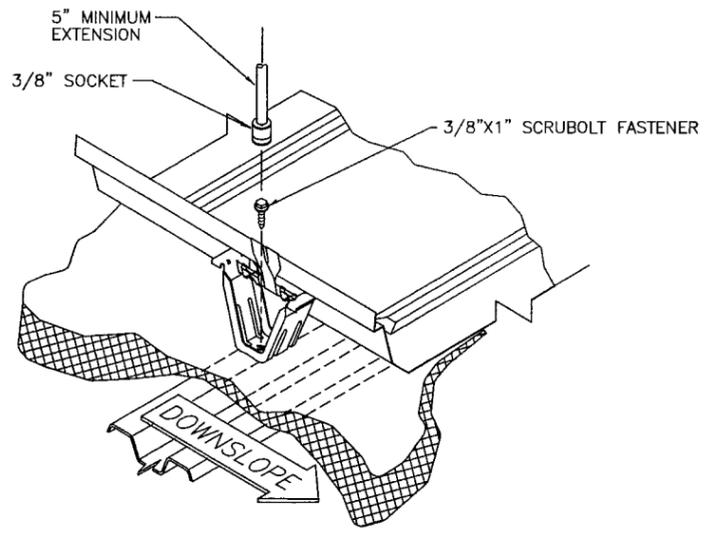
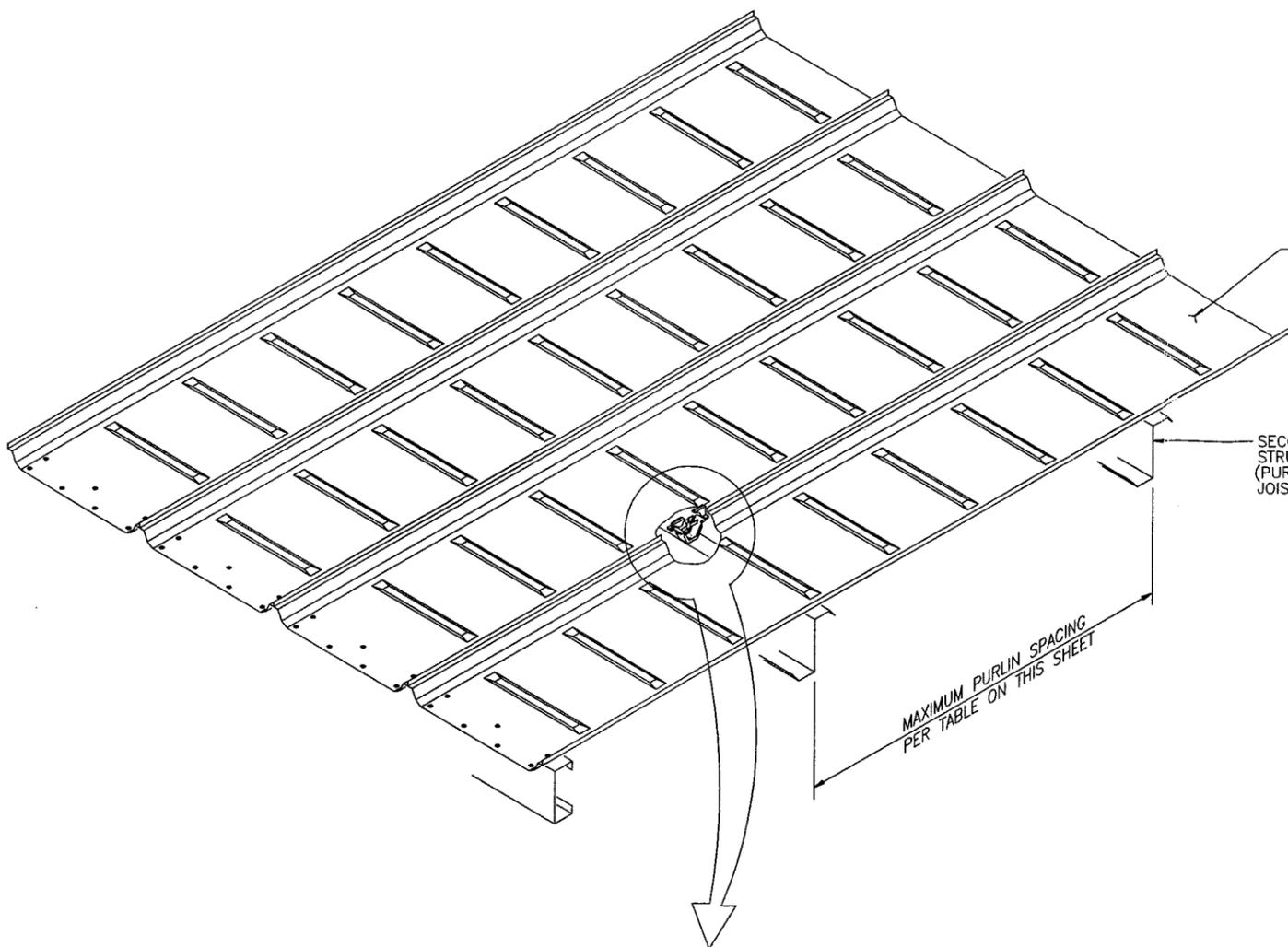
Product Control Examiner

NOA No. 08-1112.11

Expiration Date: 12/09/2009

Approval Date: 01/01/2009

FIRST RELEASE	DATE	11/04/99	CHKD	MJH	JRS
	DATE	01/06/03	ADDED (0.032" MIN.) TO 22 GAUGE MATERIAL.	DELETED REFERENCE TO DRAIN CHKD	DADE COUNTY 1984 EDITION OF SPEC.
REVISION NUMBER 1	DATE	07/12/04	CHNGD	MDK	JRS
	DATE	07/12/04	CHANGED FY FROM 60 TO 50 IN NOTE 2.	REVISED MAX. UPLIFT DRWN	CHKO PRESSURES IN CHART.
REVISION NUMBER 2	DATE	07/12/04	CHANGED	MDK	JRS
DATE	07/12/04	CHANGED	MDK	JRS	JRS



NOTE:
WITH THE EXCEPTION OF THE PURLIN SPACING AND THE CLIP ATTACHMENT FASTENER SHOWN ON THIS DRAWING REFER TO THE STANDARD MR-24 DRAWINGS FOR ALL OTHER DETAILS AND INSTALLATION INSTRUCTIONS.

PURLIN SPACING		
ROOF ZONE	MAXIMUM PURLIN SPACING	MAX. UPLIFT PRESSURE
FIELD (INTERIOR)	4'-0"	45.0
EDGE	2'-0"	77.5
CORNER	1'-3"	115.8

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. *04-0803.01*
Expiration Date *12/09/2007*
By *Helmut A. Mader*
Miami Dade Product Control Division

GENERAL NOTES:

- THIS STRUCTURAL ROOF PANEL SHALL BE DESIGNED IN ACCORDANCE WITH THE 2001 EDITION OF THE FLORIDA BUILDING CODE.
- ALL BUTLER MR-24 ROOF PANELS SHALL BE 22 GAUGE (0.032" MIN.) GALVALUME STEEL SHEET CONFORMING TO ASTM A 792, COATING DESIGNATION AZ55, WITH A MINIMUM FY=50 KSI.
- ALL PANEL CLIPS SHALL HAVE A 16 GAUGE (0.062") BASE CONFORMING TO ASTM A 653 GRADE 42, COATING DESIGNATION G60 SHALL HAVE OVERALL DIMENSIONS OF 4-3/8"(LONG) X 1-1/2"(WIDE) X 2-1/4"(TALL) OR 3-5/16"(TALL), AND SHALL HAVE A 24 GAUGE STAINLESS STEEL TAB, 1-1/4" WIDE.
- ALL SCREWS SHALL BE 3/8" DIA. X 1" HEX HEAD, SELF TAPPING SCRUBOLT, WITH EPDM BACKED STEEL WASHER, PART NUMBER 097196 BY BUTLER MANUFACTURING COMPANY.
- ALL PANEL CLIPS SHALL BE ATTACHED TO PURLINS WITH A MINIMUM THICKNESS OF 0.067".
- VALLEY ASSEMBLY IS NOT ALLOWED IN THIS ROOF PANEL APPROVAL.
- EACH PANEL TO PANEL CONNECTION IS TO BE MADE WITH A POSITIVE, FIELD FORMED STANDING DOUBLE-LOCK SEAM.
- THIS 22 GAUGE (0.032" MIN.) BUTLER MR-24 ROOF PANEL SHALL BE USED FOR ROOF CONSTRUCTION. EVERY PROJECT SHALL BE CONSTRUCTED USING THE SAME DETAILS SHOWN ON THESE APPROVED DRAWINGS INCLUDING:
 - DETAILS OF ALL PANEL MATERIAL CHARACTERISTICS AND SECTIONS WITH DIMENSIONS AND THICKNESS.
 - ASSEMBLY DETAILS INCLUDING ALL CONNECTIONS AND FASTENERS DIAGRAM WITH SIZE AND LOCATION.
 - PANEL'S MAXIMUM SPAN AND PRESSURE FOR THE ROOF'S FIELD, PERIMETER, AND CORNER ZONES BASED ON THE PANEL'S ALLOWABLES SHOWN IN THE TABLE ABOVE.

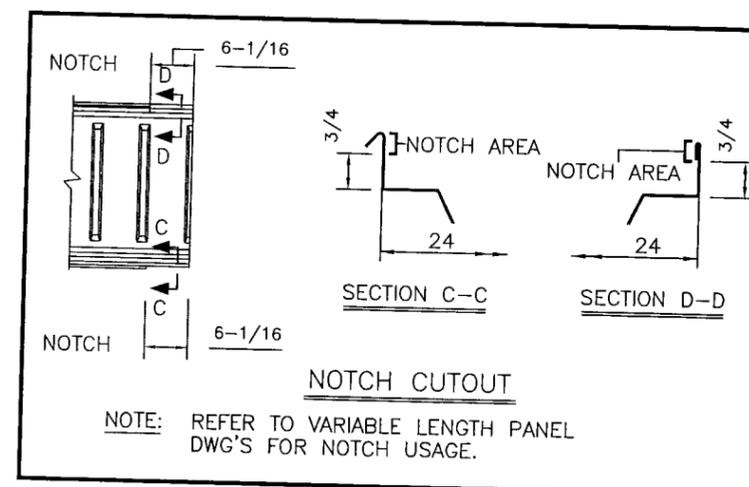
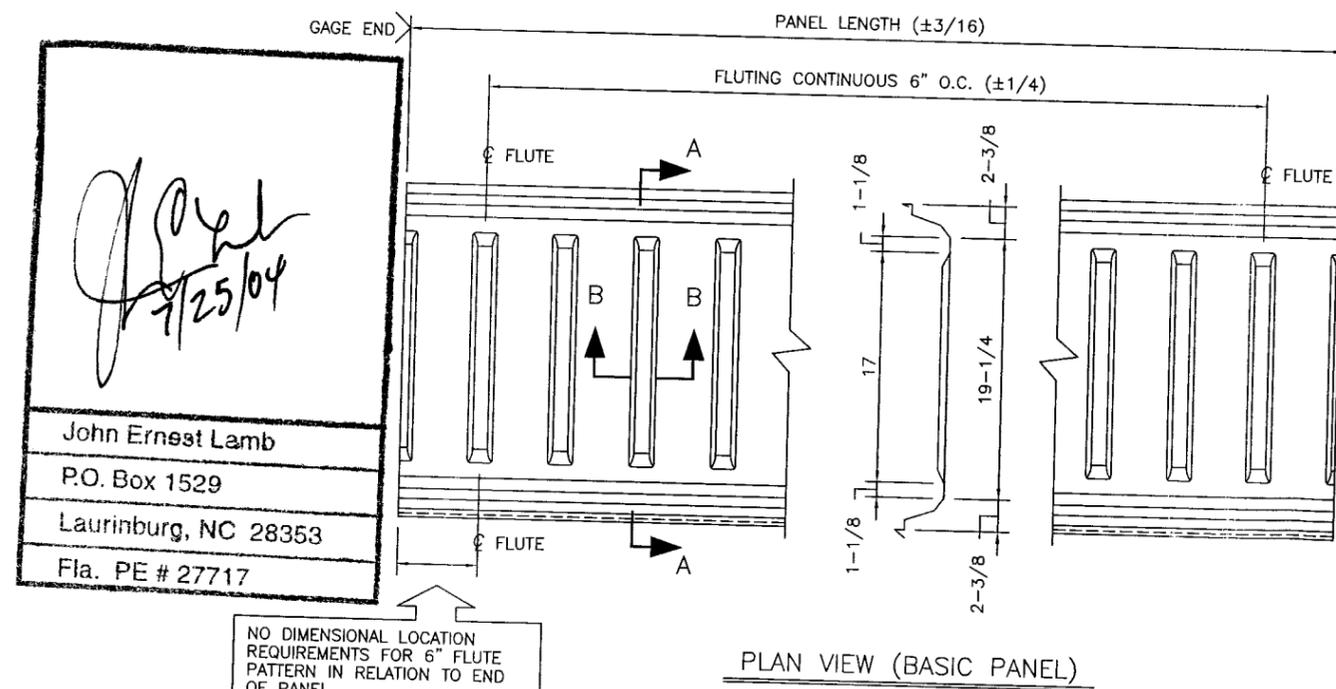
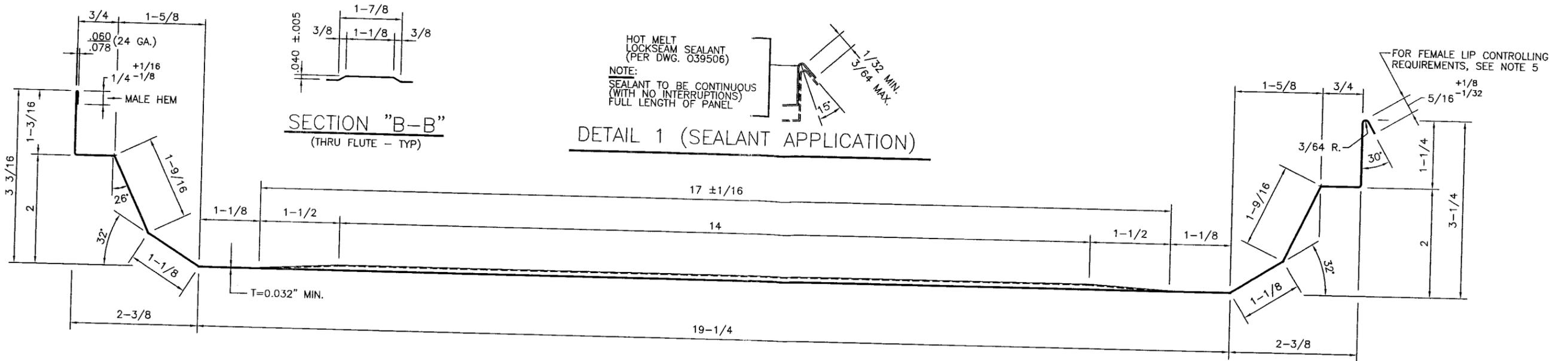
ROOF PANEL ATTACHMENT CLIP

John Ernest Lamb
7/25/04

John Ernest Lamb
P.O. Box 1529
Laurinburg, NC 28353
Fla. PE # 27717

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No. *08-0208.04*
Expiration Date *12/09/2008*
By *Helmut A. Mader*
Miami Dade Product Control Division

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No. *08-1112.11*
Expiration Date *12/09/2009*
By *Helmut A. Mader*
Miami Dade Product Control Division



- NOTES:**
1. DIMENSIONAL TOLERANCES = ±1/32 (EXCEPT AS NOTED)
 2. ALL INSIDE FORMING RADII = 1/32 (EXCEPT AS NOTED)
 3. ANGLE TOLERANCES ±2° (EXCEPT AS NOTED) (ANGLES TO BE MEASURED FROM A FLAT PLANE WITH PANEL HELD TO THAT PLANE WITHOUT DISTORTION OF FABRICATED CROSS-SECTIONAL SHAPE AND WITH OUTSIDE CORRUGATIONS FREE).
 4. CROSS SECTIONAL TOLERANCES SHOWN TO BE HELD THROUGHOUT LENGTH OF PANEL EXCEPT WHERE PANEL IS DISTORTED BY SHEARING OR BENDING. (MAXIMUM ALLOWABLE LATERAL OR VERTICAL DISTORTION BY THE SHEARING OPERATIONS IS ±1/32 FROM "AS ROLLED SHAPE")
 5. THE LENGTH OF FEMALE LIP MUST BE AT LEAST 1/16" LONGER THAN THE MALE HEM.

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

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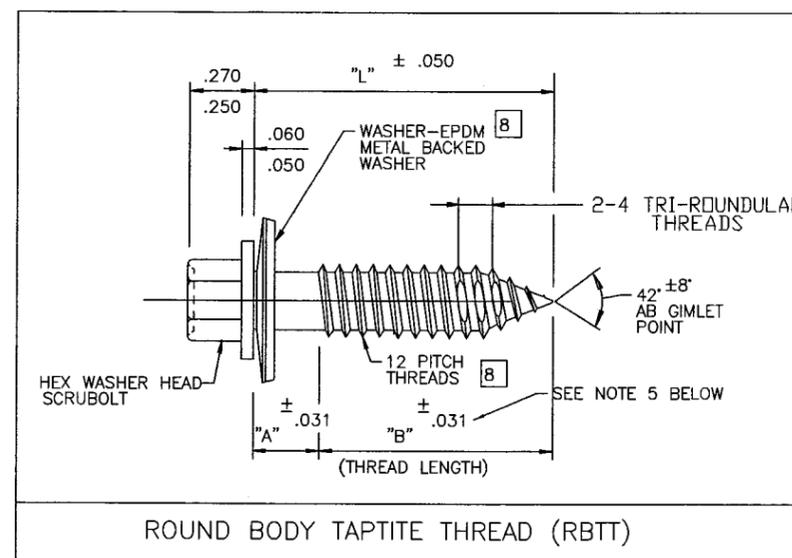
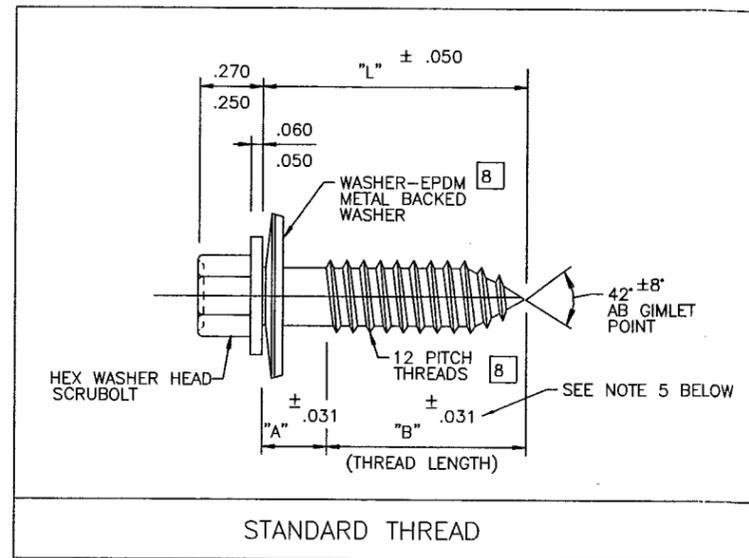
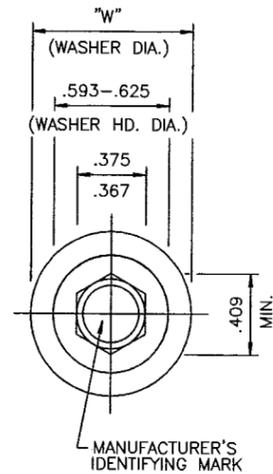
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By Helmut A. Nabe
Miami Dade Product Control Division

MAT'L GRADES	MATERIAL DESCRIPTION	B. M. C. SPEC. NO.
GA. OF MAT'L		
22 (0.032" MIN.)		
GR. 50	ALUMINUM ZINC ALLOY (GALVALUME)	10179

GROUP 02-030-06 DRAWING NUMBER B 1081384 REV. 02

SHEET 2 OF 6

MR-24	MR-24 ROOF PANEL DADE COUNTY FLORIDA	ALL BUILDINGS
	BUTLER MANUFACTURING COMPANY	DATE 07/12/04 GROUP 02-030-06
		DRAWING NUMBER B 1081384 REV. 02



PRODUCT RENEWED
 as complying with the Florida
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 Acceptance No 08-1112.11
 Expiration Date 12/09/2009
 By *Helmy A. Mula*
 Miami Dade Product Control
 Division

ASSEMBLY		SCRUBOLT WITHOUT WASHER							METAL BACKED RUBBER WASHER		
PART NO.	WEIGHT	SCRUBOLT PART NO.	MATERIAL	NOMINAL SIZE	"L"	"A"	"B"	THREAD TYPE	WASHER PART NO.	"W"	WASHER DWG. NO.
095984	0.031	095304	SS NOTE 1	11/32 X 7/8	.875	SEE NOTE 5	.875	RBTT	097436	.729	095016
096865	0.031	096863	ST. NOTE 2	11/32 X 7/8	.875	SEE NOTE 5	.875	STANDARD	097384	.563	095016
096866	0.043	096864	ST. NOTE 2	11/32 X 1 1/2	1.50	SEE NOTE 5	1.500	STANDARD	097384	.563	095016
096902	0.034	096863	ST. NOTE 2	11/32 X 7/8	.875	SEE NOTE 5	.875	STANDARD	095349	.729	095016
096932	0.038	096930	ST. NOTE 2	11/32 X 1 1/4	1.25	SEE NOTE 5	1.250	STANDARD	095349	.729	095016
096933	0.077	096931	ST. NOTE 2	11/32 X 2 3/4	2.75	.750	2.00	STANDARD	095016	1.00	095016
097104	0.039	097103	SS NOTE 1	11/32 X 1 1/4	1.25	SEE NOTE 5	1.250	RBTT	097436	.729	095016
097196	0.039	097195	ST. NOTE 3	3/8 X 1	1.00	SEE NOTE 5	1.00	RBTT	095154	.729	095016
097222	0.055	097221	ST. NOTE 2	11/32 X 2	2.00	.187	1.813	STANDARD	095016	1.00	095016
097235	0.048	097221	ST. NOTE 2	11/32 X 2	2.00	.187	1.813	STANDARD	097384	.563	095016
097264	0.074	096931	ST. NOTE 2	11/32 X 2 3/4	2.75	.750	2.00	STANDARD	097384	.563	095016
097270	0.060	097268	ST. NOTE 3	3/8 X 2 1/4	2.25	.250	2.00	RBTT	095154	.729	095016
097271	0.086	097269	ST. NOTE 3	3/8 X 3 1/2	3.50	.500	3.00	RBTT	095154	.729	095016
097273	0.077	097272	ST. NOTE 2	11/32 X 3 1/2	3.50	.500	3.00	STANDARD	095349	.729	095016
097292	0.125	097291	ST. NOTE 3	3/8 X 5	5.00	2.000	3.00	RBTT	095154	.729	095016
097294	0.113	097293	ST. NOTE 2	11/32 X 5	5.00	2.000	3.00	STANDARD	095349	.729	095016
097298	0.145	097297	ST. NOTE 3	3/8 X 6	6.00	3.000	3.00	RBTT	095154	.729	095016
097420	0.157	097419	ST. NOTE 2	11/32 X 6	6.00	3.000	3.00	STANDARD	095349	.729	095016

SEE NOTE 6

MATERIALS:

- 410 STAINLESS W/CLEAR CHROMATE, BMC EMS 10,073
- CARBON STEEL W/YELLOW CHROMATE - BMC EMS 10,073 (LATEST REVISION)
- SAME AS 2. ABOVE EXCEPT GREEN DYE APPLIED
- WASHER SPEC. AND DIMENSIONS - SEE DWG 095016

SCRUBOLT WITH FULL THREADS:

- FULL THREAD TO WITHIN 1 THREAD OF HEAD & SHANK JUNCTURE.
- 3" THREAD LENGTH
HAS A ± .050 TOLERANCE

PRODUCT REVISED
 as complying with the Florida
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 Expiration Date 12/09/2007
 By *Helmy A. Mula*
 Miami Dade Product Control
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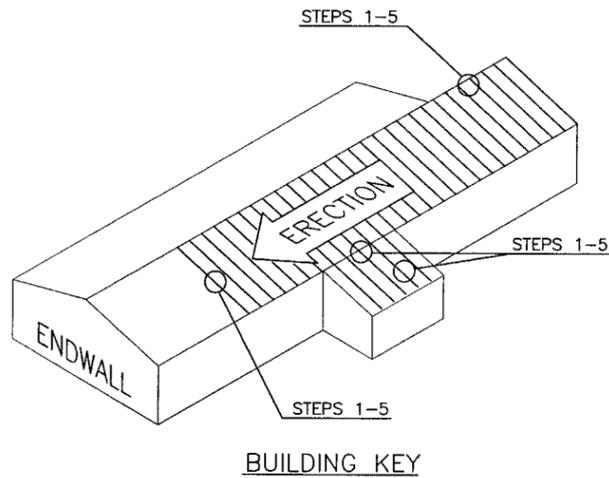
John Ernest Lamb
 7/25/04
 John Ernest Lamb
 P.O. Box 1529
 Laurinburg, NC 28353
 Fla. PE # 27717

SHEET 3 OF 6

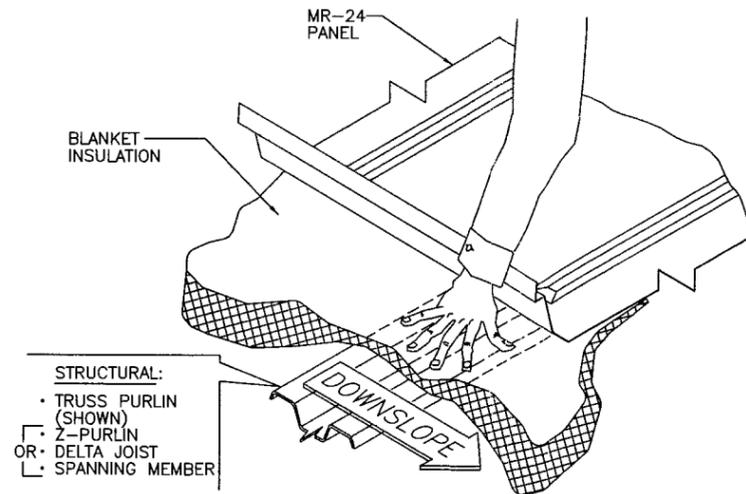
FIRST RELEASE
 DATE 11/04/99
 DRAWN JRS
 CHKD MJH

GROUP 02-030-01
 DRAWING NUMBER B 1081385
 REV. 00

FASTENERS
 BUTLER MANUFACTURING COMPANY
 DATE 11/04/99
 GROUP 02-030-01
 DRAWING NUMBER B 1081385
 REV. 00
 ALL BUILDINGS
 HEX HEAD SCRUBOLTS
 DADE COUNTY FLORIDA

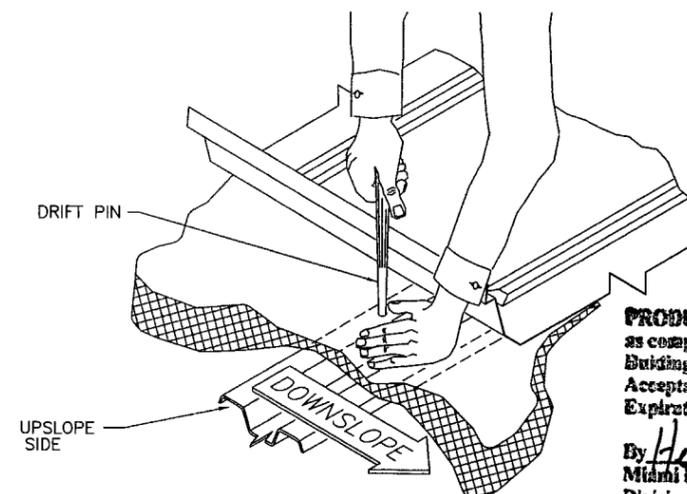


BUILDING KEY



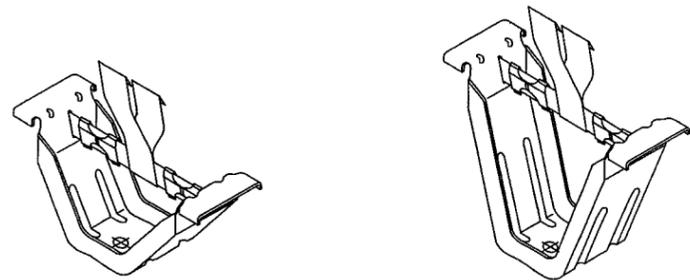
STEP 1 LOCATE STRUCTURAL

FROM THE ADJACENT MR-24 PANEL, LOCATE THE STRUCTURAL UNDER THE BLANKET INSULATION.



STEP 2 LOCATE HOLE IN STRUCTURAL WITH DRIFT PIN

PRODUCT RENEWED
 as complying with the Florida Building Code
 Acceptance No 08-1112-11
 Expiration Date 12/09/2009
 By *Helmy A. Mahr*
 Miami Dade Product Control Division



PANEL CLIP (560440)
(WITHOUT SPACER BLOCK)

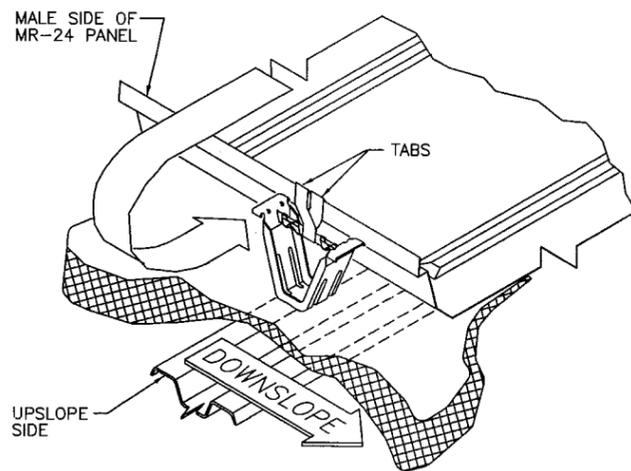
PANEL CLIP (560441)
(WITH SPACER BLOCK)

PRODUCT RENEWED
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 Expiration Date 12/09/2008
 By *Helmy A. Mahr*
 Miami Dade Product Control Division

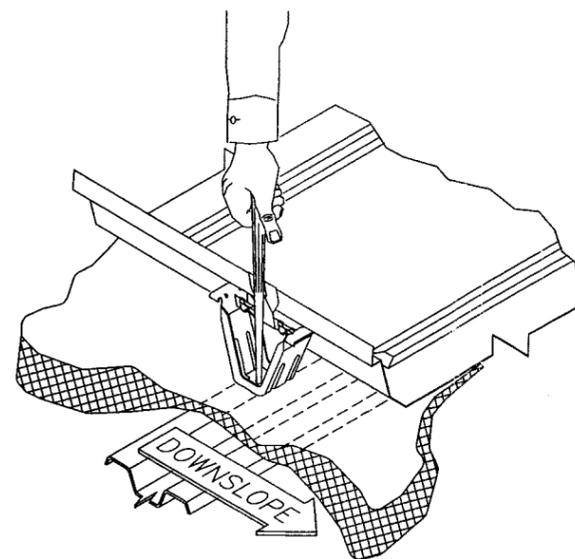
PRODUCT REVISED
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 By *Helmy A. Mahr*
 Miami Dade Product Control Division

John Ernest Lamb
 7/25/04

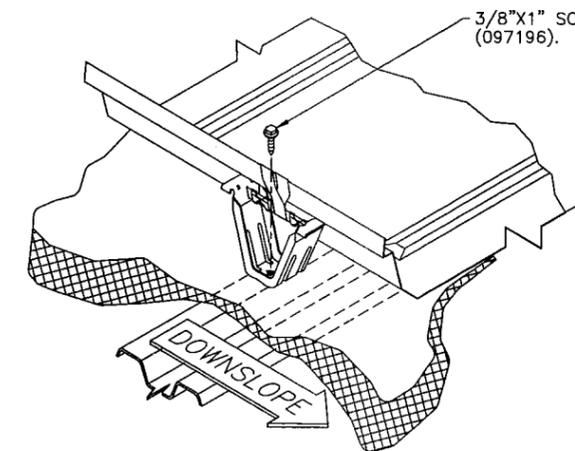
John Ernest Lamb
 P.O. Box 1529
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STEP 3 HOOK PANEL CLIP TABS OVER PANEL AND ROTATE CLIP INTO POSITION



STEP 4 TEMPORARILY SECURE THE PANEL CLIP WITH A DRIFT PIN



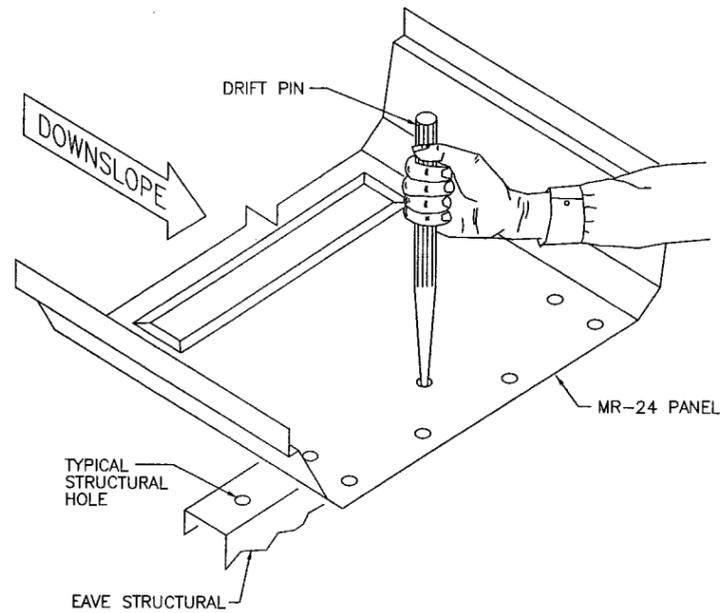
STEP 5 INSTALL SCRUBOLT FASTENER

IMPORTANT NOTE
 ALWAYS MAKE SURE TABS ARE CENTERED IN THE MR-24 CLIP AFTER THE CLIP IS INSTALLED.

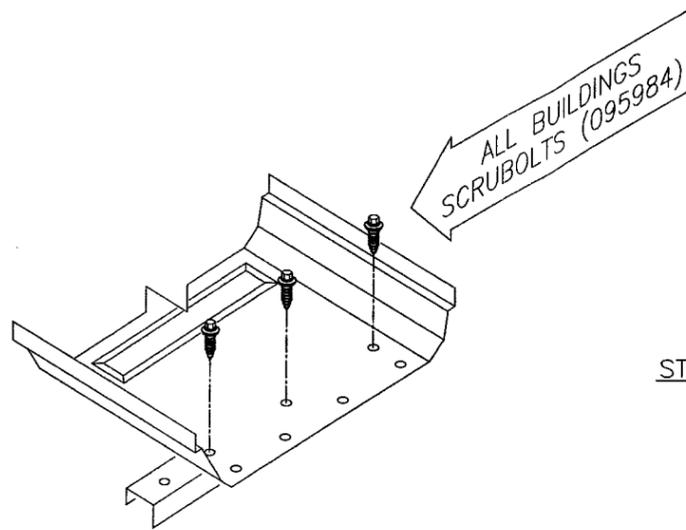
FIRST RELEASE DATE 11/04/99
 DRAWN JRS
 CHKD MJT

GROUP 02-030-06 DRAWING NUMBER B 1081386 REV. 00

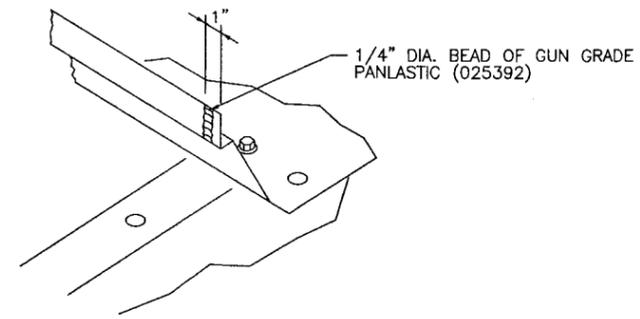
MR-24 MR-24 PANEL CLIP INSTALLATION DADE COUNTY FLORIDA ALL BUILDINGS
 BUTLER MANUFACTURING COMPANY DATE 11/04/99 DRAWING NUMBER B 1081386 REV. 00



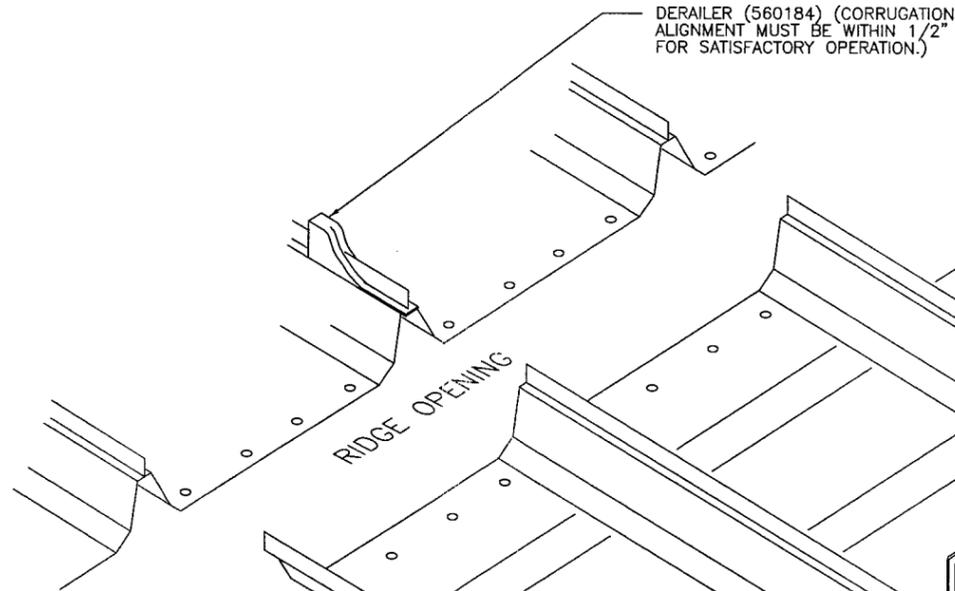
STEP 1 - LOCATE STRUCTURAL HOLE



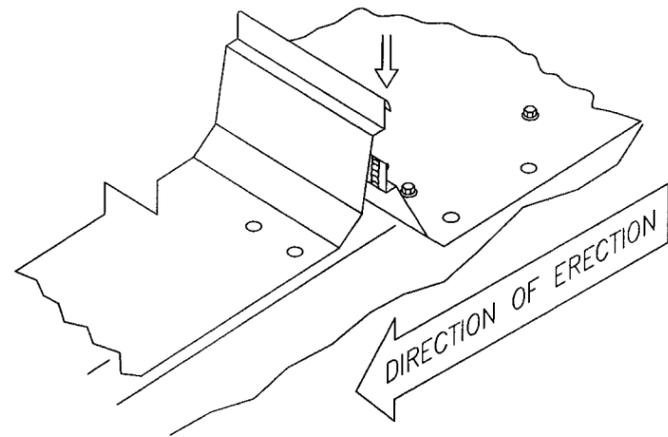
STEP 2 - INSTALL FASTENERS



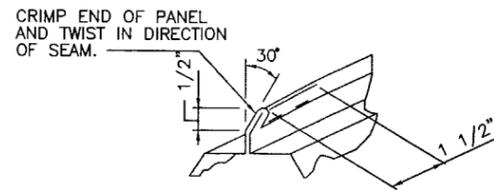
STEP 3 - INSTALL SEALANT



SEAMING OPERATION



STEP 4 - NEXT PANEL



CRIMP PANEL

PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance No. 08-0208.04
 Expiration Date 12/09/2008
 By *Helmy A. Mabe*
 Miami Dade Product Control
 Division

John F. Smith
 7/25/04

John F. Smith
P.O. Box 1829
Laurinburg, NC 28353
Fla. PE # 27717

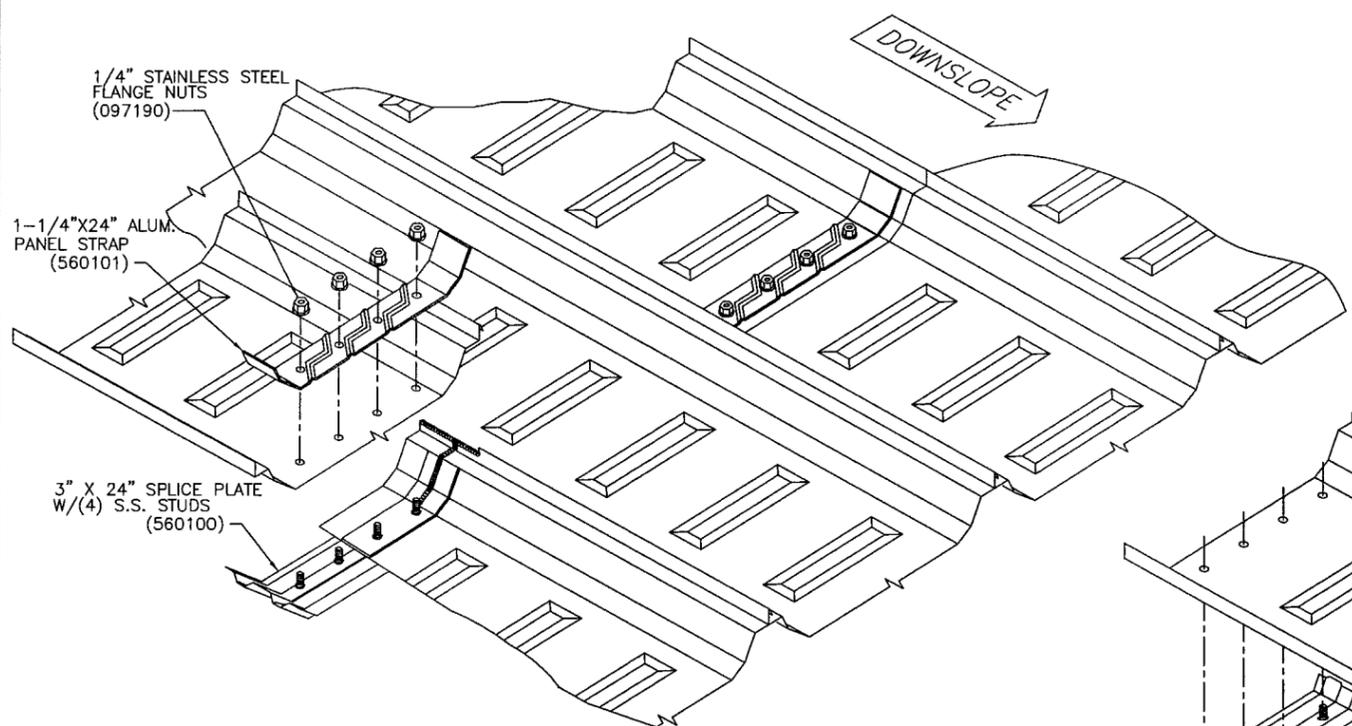
PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 04-0803.01
 Expiration Date 12/09/2007
 By *Helmy A. Mabe*
 Miami Dade Product Control
 Division

PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance No. 08-1112.11
 Expiration Date 12/09/2009
 By *Helmy A. Mabe*
 Miami Dade Product Control
 Division

FIRST RELEASE
 DATE 11/04/99
 DRAWN JRS
 CHKD MJP

GROUP 02-030-06
 DRAWING NUMBER B 1081387
 REV. 00

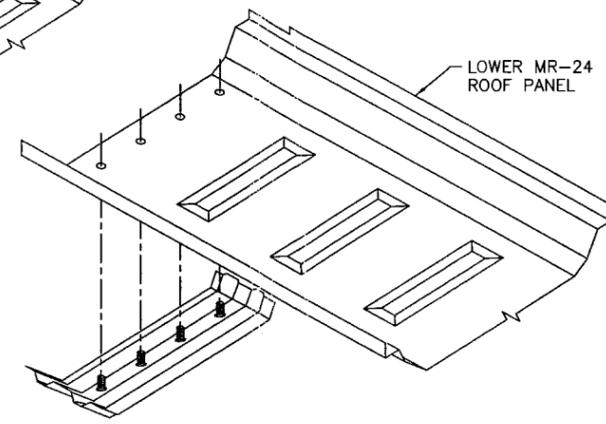
MR-24	MR-24 PANEL INSTALLATION DADE COUNTY FLORIDA	ALL BUILDINGS
	BUTLER MANUFACTURING COMPANY	DATE 11/04/99 GROUP 02-030-06
		DRAWING NUMBER B 1081387 REV. 00



PANEL END LAP SPlice

- PUNCHED AND NOTCHED PANELS ARE FURNISHED WITH LENGTHS CALCULATED FOR END LAP SPICES TO OCCUR OVER SECONDARY STRUCTURALS.
- REFER TO ROOF PANEL LAYOUT DRAWINGS PROVIDED WITH EACH ORDER FOR PROPER PLACEMENT OF STAGGERED END LAP SPICE LOCATIONS.

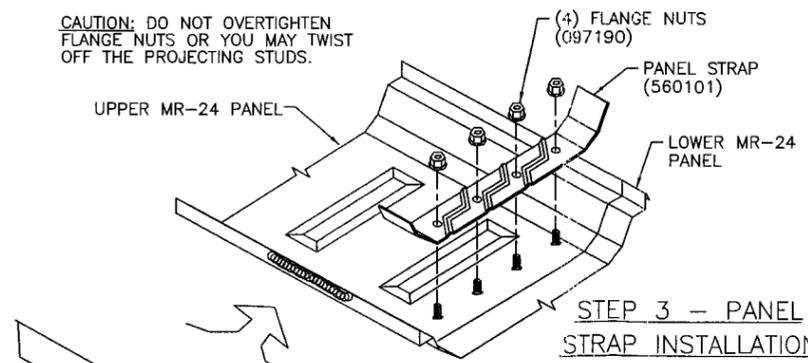
IMPORTANT:
COMPLETELY ASSEMBLE SPICE BEFORE SEAMING ADJACENT PANELS.



STEP 1 - SPlice PLATE INSTALLATION

- ATTACH PANEL AT EAVE TO STRUCTURAL MEMBER.
- FOR EASE OF INSTALLATION, SPlice PLATE (560100) CAN BE TEMPORARILY ATTACHED TO PANEL WITH (2) FLANGE NUTS BEFORE POSITIONING PANEL.

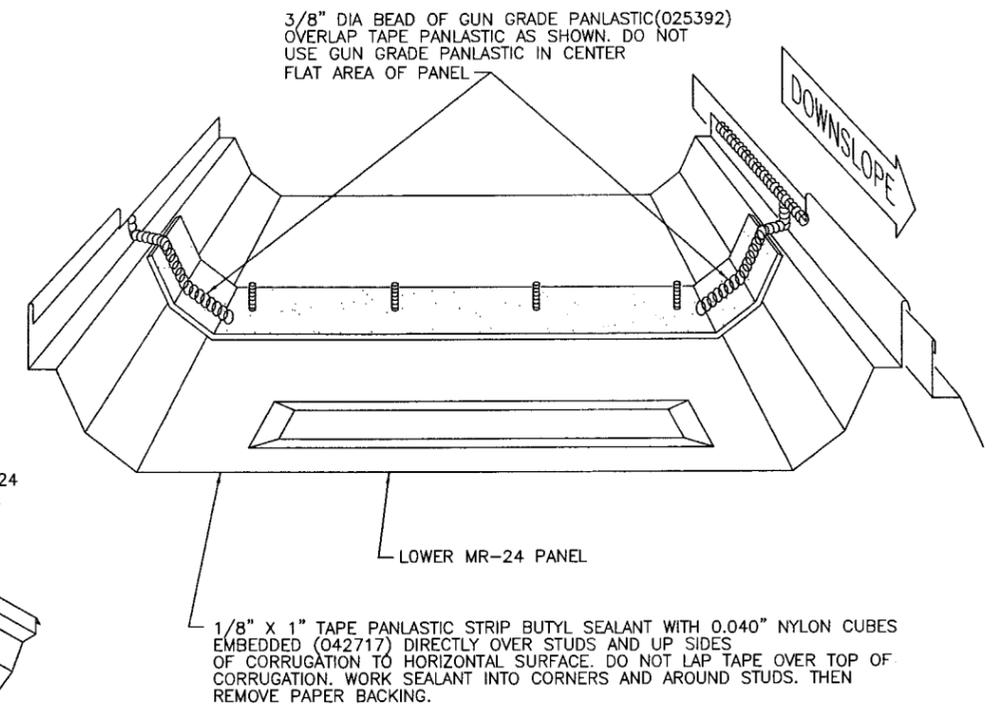
CAUTION: DO NOT OVERTIGHTEN FLANGE NUTS OR YOU MAY TWIST OFF THE PROJECTING STUDS.



STEP 3 - PANEL STRAP INSTALLATION

- POSITION UPPER PANEL INTO NOTCHED AREA ON LOWER PANEL WHILE ENGAGING STUDS IN PREPUNCHED HOLES.
- HAND HELD WRENCH IS RECOMMENDED TO TIGHTEN FLANGE NUTS (DO NOT USE POWER TOOLS.)
- IF STUDS BREAK, INSTALL A NEW SPlice PLATE.
- APPLY GUN GRADE PANLASTIC TO BACK SIDE OF SEAM BEFORE SUCCEEDING PANELS ARE INSTALLED.

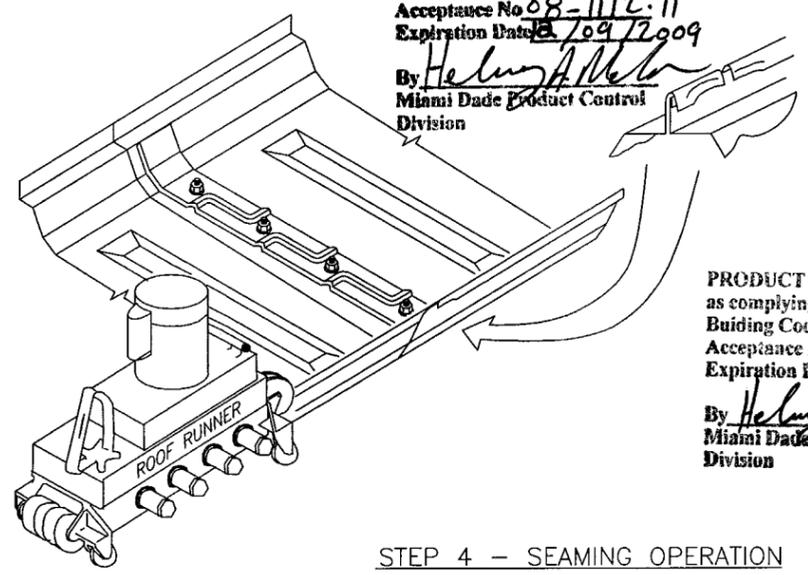
3/8" DIA BEAD OF GUN GRADE PANLASTIC (025392)



STEP 2 - SEALANT APPLICATION

1/8" X 1" TAPE PANLASTIC STRIP BUTYL SEALANT WITH 0.040" NYLON CUBES EMBEDDED (042717) DIRECTLY OVER STUDS AND UP SIDES OF CORRUGATION TO HORIZONTAL SURFACE. DO NOT LAP TAPE OVER TOP OF CORRUGATION. WORK SEALANT INTO CORNERS AND AROUND STUDS. THEN REMOVE PAPER BACKING.

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Miami Dade Product Control Division



STEP 4 - SEAMING OPERATION

- INSPECT EACH END LAP SPICE FOR PROPER FIT AND WEATHER TIGHTNESS.

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Miami Dade Product Control Division

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No. 08-0208.04
Expiration Date 12/09/2008
By *Helmy A. Matar*
Miami Dade Product Control Division

John Ernest Lamb
7/25/04

John Ernest Lamb
P.O. Box 1529
Laurinburg, NC 28353
Fla. PE # 27717

FIRST RELEASE
DATE 11/04/99
DRAWN CHKD
JRS MJH

GROUP 02-030-06
DRAWING NUMBER B 1081388
REV. 00

MR-24

MR-24 END LAP SPICE
DADE COUNTY FLORIDA

ALL BUILDINGS

BUTLER BUTLER MANUFACTURING COMPANY
DATE 11/04/99
GROUP 02-030-06
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REV. 00