

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)

Butler Manufacturing A Division of BlueScope Buildings North America, Inc. 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 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: "MR-24" 0.032" (min.) Galvalume Steel Roof Panel

APPROVAL DOCUMENT: Drawing No. B, titled "MR-24 Roof Panel", sheets 1 through 6 of 6, prepared by Butler Manufacturing, A Division of BlueScope Buildings North America, Inc., signed & sealed by Russell L. Benton, P.E., on August 24, 2023, bearing the Miami-Dade County Product Control Renewal 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 w/the manufacturer's name or logo, Jackson, TN, 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 #23-0908.03 and consists of this page 1, evidence submitted pages E-1, E-2, E-3, E-4, E-5 & E-6 as well as approval document mentioned above.

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

MIAMI-DADE COUNTY
APPROVED

Helg. M. W. 12/12/24

NOA No. 24-1021.01 Expiration Date: 12/09/2029 Approval Date: 12/12/2024 Page 1

A Division of BlueScope Buildings North America, Inc.

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 of Coating 1000 hours per ASTM B117-95, issued by Celotex, Report # 520223, dated 08/02/99, signed & 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 # 0063-0311-99, Report #9CM-777A, issued by QC Metallurgical, Inc., dated 04/23/99, signed & 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 01/06/03, sheets 1 & 2 of 6, and 11/04/99, sheets 3, 4, 5, & 6 of 6, signed & sealed by John Ernest Lamb, P.E. on 01/16/03.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. MATERIAL CERTIFICATIONS

1. None.

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

Product Control Section Supervisor

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A Division of BlueScope Buildings North America, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

- 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.
- 5. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #08-1112.11
- A. DRAWINGS

1. None.

- B. TESTS
 - 1. None.
- C. CALCULATIONS

1. None.

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

NOA No. 24-1021.01

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A Division of BlueScope Buildings North America, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

- D. **OUALITY ASSURANCE**
 - 1. By Miami-Dade County Building Code Compliance Office.
- E. MATERIAL CERTIFICATIONS
 - 1. None.
- 6. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #09-0811.17
- A. DRAWINGS
 - 1. Drawing #B, titled "MR-24 Roof Panel", sheets 1 through 6 of 6, issued by Butler Manufacturing Company, signed & sealed by Russell Benton, P.E., on 09/15/09.
- B. TESTS
 - 1. Test report on Uplift Resistance per ASTM 1592 on MR-24 Roof Panel, prepared by Hurricane Test Laboratory, Inc., Report No. 0063-0904-08, dated 12/19/08, signed and sealed by Vinu J. Abraham, P.E.
- C. CALCULATIONS
 - 1. None.
- D. QUALITY ASSURANCE
 - 1. By Miami-Dade County Building Code Compliance Office.
- E. MATERIAL CERTIFICATIONS
 - 1. None.
- 7. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #10-0901.20
- A. DRAWINGS
 - 1. Drawing No. B, titled "MR-24 Roof Panel", sheets 1 through 6 of 6, prepared by Butler Manufacturing, A Division of BlueScope Buildings North America, Inc., signed & sealed by Russell L. Benton, P.E., on August 20, 2010.
- B. TESTS
 - 1. None.
- C. CALCULATIONS
 - 1. None.
- D. QUALITY ASSURANCE
 - 1. By Miami-Dade County Building and Neighborhood Compliance Department.
- E. MATERIAL CERTIFICATIONS
 - 1. None.

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

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Expiration Date: 12/09/2029 Approval Date: 12/12/2024

ApprovarDa

A Division of BlueScope Buildings North America, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

8. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #14-0520.16

- A. DRAWINGS
 - 1. Drawing No. B, titled "MR-24 Roof Panel", sheets 1 through 6 of 6, prepared by Butler Manufacturing, A Division of BlueScope Buildings North America, Inc., signed & sealed by Russell L. Benton, P.E., on June 10, 2014.
- 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.
- 9. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #14-0922.03
- 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.
- 10. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #17-0803.42
- A. DRAWINGS
 - 1. Drawing No. B, titled "MR-24 Roof Panel", sheets 1 through 6 of 6, prepared by Butler Manufacturing, A Division of BlueScope Buildings North America, Inc., signed & sealed by Russell L. Benton, P.E., on September 27, 2017.
- B. TESTS
 - 1. None.
- C. CALCULATIONS
 - 1. None.

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

NOA No. 24-1021.01

Expiration Date: 12/09/2029

Approval Date: 12/12/2024

A Division of BlueScope Buildings North America, 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.
- 11. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #19-0708.07
- 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.
- 12. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #20-0922.07
- A. DRAWINGS
 - 1. Drawing No. B, titled "MR-24 Roof Panel", sheets 1 through 6 of 6, prepared by Butler Manufacturing, A Division of BlueScope Buildings North America, Inc., signed & sealed by Russell L. Benton, P.E., on September 11, 2020.
- 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. FBC, 2020 Edition compliance letter, prepared by Butler Manufacturing, A Division of BlueScope Buildings NA, Inc., signed & sealed by Russell L. Benton, P.E., on 09/11/20

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

Todact Control Section Supervisor

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A Division of BlueScope Buildings North America, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

13. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #23-0908.03

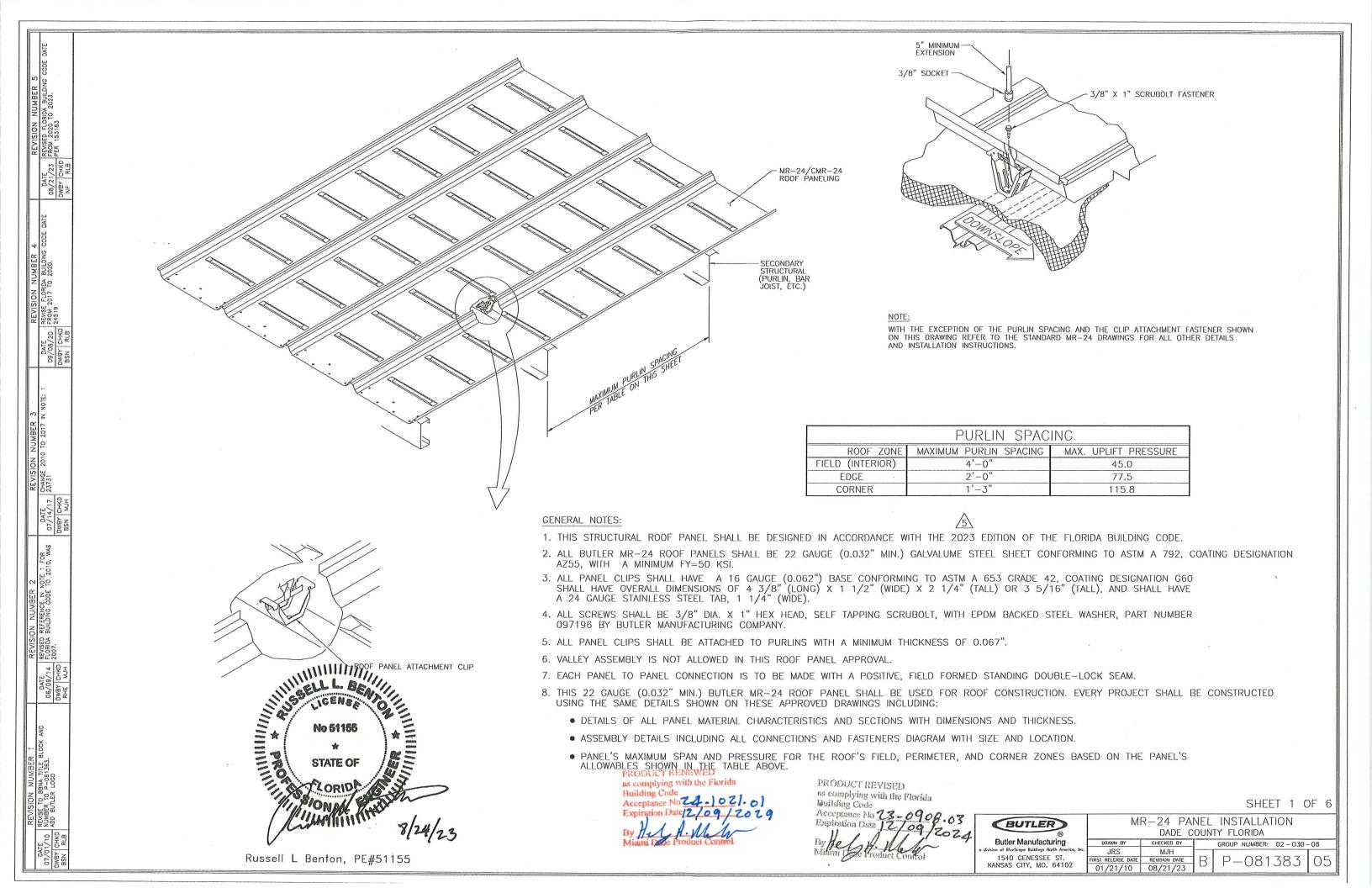
- A. DRAWINGS
 - 1. Drawing No. B, titled "MR-24 Roof Panel", sheets 1 through 6 of 6, prepared by Butler Manufacturing, A Division of BlueScope Buildings North America, Inc., signed & sealed by Russell L. Benton, P.E., on August 24, 2023.
- B. TESTS
 - 1. None.
- C. CALCULATIONS
 - 1. None.
- D. QUALITY ASSURANCE
 - 1. By Miami-Dade County Department of Regulatory and Economic Resources.
- E. MATERIAL CERTIFICATIONS
 - 1. None.
- F. STATEMENTS
 - 1. FBC, 2023 Edition compliance letter, prepared by Butler Manufacturing, A Division of BlueScope Buildings NA, Inc., signed & sealed by Russell L. Benton, P.E., on 08/22/2023.
- 14. NEW EVIDENCE SUBMITTED
- A. DRAWINGS
 - 1. None.
- B. TESTS
 - 1. Test report on Uplift Resistance per ASTM 1592 on MR-24 Roof Panel, prepared by Farabaugh Engineering and Testing, Inc., Report No. T263-24, dated 10/10/24, signed and sealed by Daniel G. Farabaugh, P.E.
- 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. FBC, 2023 Edition compliance letter, prepared by Butler Manufacturing, A Division of BlueScope Buildings NA, Inc., signed & sealed by Russell L. Benton, P.E., on 10/09/2024.

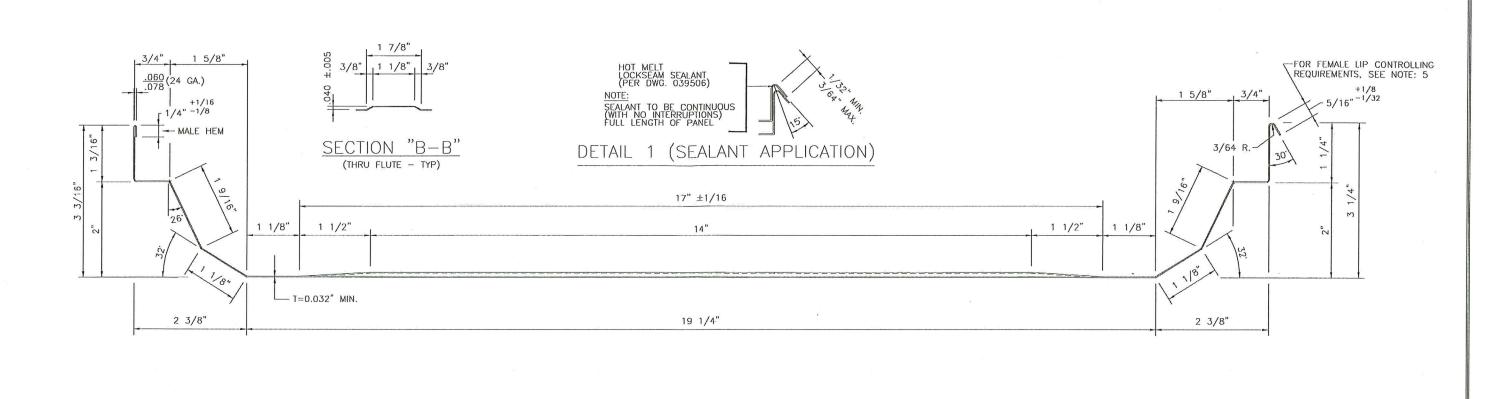
Helmy A. Makar, P.E., M.S. Product Control Section Supervisor

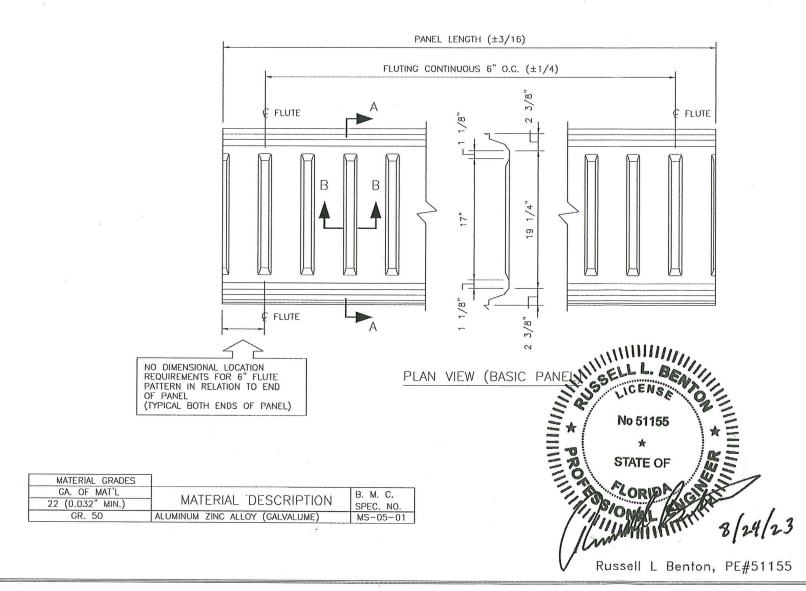
NOA No. 24-1021.01

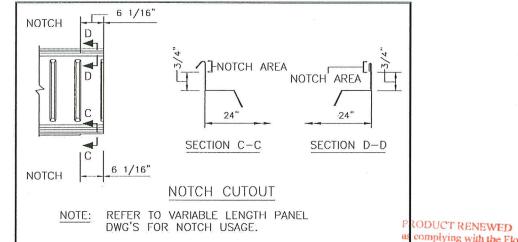
Expiration Date: 12/09/2029

Approval Date: 12/12/2024









NOTES:

- 1. DIMENSIONAL TOLERANCES = $\pm 1/32$ (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 $\pm 1/32$ FROM "AS ROLLED SHAPE")
- 5. THE LENGTH OF FEMALE LIP MUST BE AT LEAST 1/16" LONGER THAN THE MALE HEM.

Building Code
Acceptance No 2 4 - (02/.0)
Expiration Date 12/09/2019
By 1 1 1 1 Miami Date Product Control

PRODUCT REVISED

as complying with the Florid.

Building Code

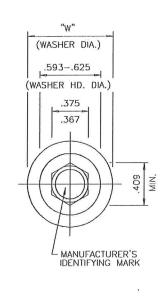
Acceptance No 23-0908.03

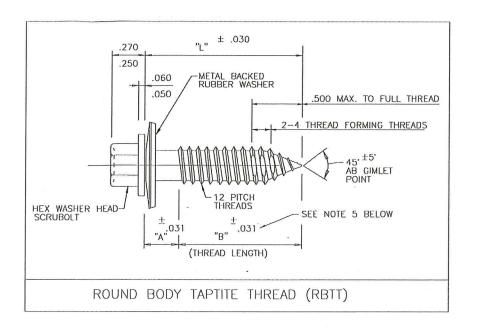
Expiration Date 7/09/2022

By Held Holliet Control

SHEET 2 OF 6

	BUTLER	MR-24 ROOF PANEL DADE COUNTY FLORIDA							
	Butler Manufacturing o division of BiurScope Buildings North Americo, Inc. 1540 GENESSEE ST. KANSAS CITY, MO. 64102	DRAWN BY	CHECKED BY	T	GROUP NUMBER: 02 - 030 -	- 06			
		JRS	HLW			02			
		FIRST RELEASE DATE	REVISION DATE	B	P = 0.81384				
		01/21/10	07/17/17		1 001304				





ASSEMBLY		SCRUBOLT WITHOUT WASHER						METAL BACKED RUBBER WASHER			
		SCRUBOLT	MATERIAL	NOMINAL SIZE	n _l »	"A"	"B"	WASHER	"w"	WASHER	
PART NO.	WEIGHT	PART NO.	W G ENVISE	(SEE NOTE 6)	-		, D	PART NO.	***	DWG. NO.	
095984	0.031	095304	SS NOTE 1	11/32" X 7/8"	.875"	SEE NOTE 4	.875"	097436	.729	095016	
096932	0.038	096930	ST. NOTE 2	3/8" X 1 1/4"	1.25"	SEE NOTE 4	1.250"	095154	.729	095016	
097104	0.039	097103	SS NOTE 1	11/32" X 1 1/4"	1.25"	SEE NOTE 4	1.250"	097436	.729	095016	
097196	0.039	097195	ST. NOTE 2	3/8" X 1"	1.00"	SEENOTEA	~\00"~	095154	.729	095016	
097222	0.055	097221	ST. NOTE 2	3/8" X 2"	2.00"(SEE NOTE 4	2.00"	095154	.729	095016	
097264	0.074	096931	ST. NOTE 2	3/8" X 2 3/4"	2.75"	7500	2.00	095154	.729	095016	
097270	0.060	097268	ST. NOTE 2	3/8" X 2 1/4"	2.25"	.250"	2.00"	095154	.729	095016	
097271	0.086	097269	ST. NOTE 2	3/8" X 3 1/2"	3.50"	.500"	3.00"	095154	.729	095016	
097292	0.125	097291	ST. NOTE 2	3/8" X 5"	5.00"	2.000"	3.00"	095154	.729	095016	
097298	0.145	097297	ST. NOTE 2	3/8" X 6"	6.00"	3.000"	3.00"	095154	.729	095016	

SEE NOTE 5

MATERIALS:

- 1. 410 STAINLESS WITH CLEAR CHROMATE, MS-06-03
- 2. CARBON STEEL WITH YELLOW CHROMATE MS-06-03
- 3. WASHER SPEC, AND DIMENSIONS SEE DWG 095016

SCRUBOLT WITH FULL THREADS:

- 4. FULL THREAD TO WITHIN 1 THREAD OF HEAD AND SHANK JUNCTURE.
- 5. 3" THREAD LENGTH HAS A ± .050 TOLERANCE
- 6. DIAMETER OF 3/8" SCRUBOLT IS .367±.003 DIAMETER OF 11/32" SCRUBOLT IS .345±.003

PRODUCT REMEWED as complying with the Florida

PRODUCT REVISED as complying with the Florida

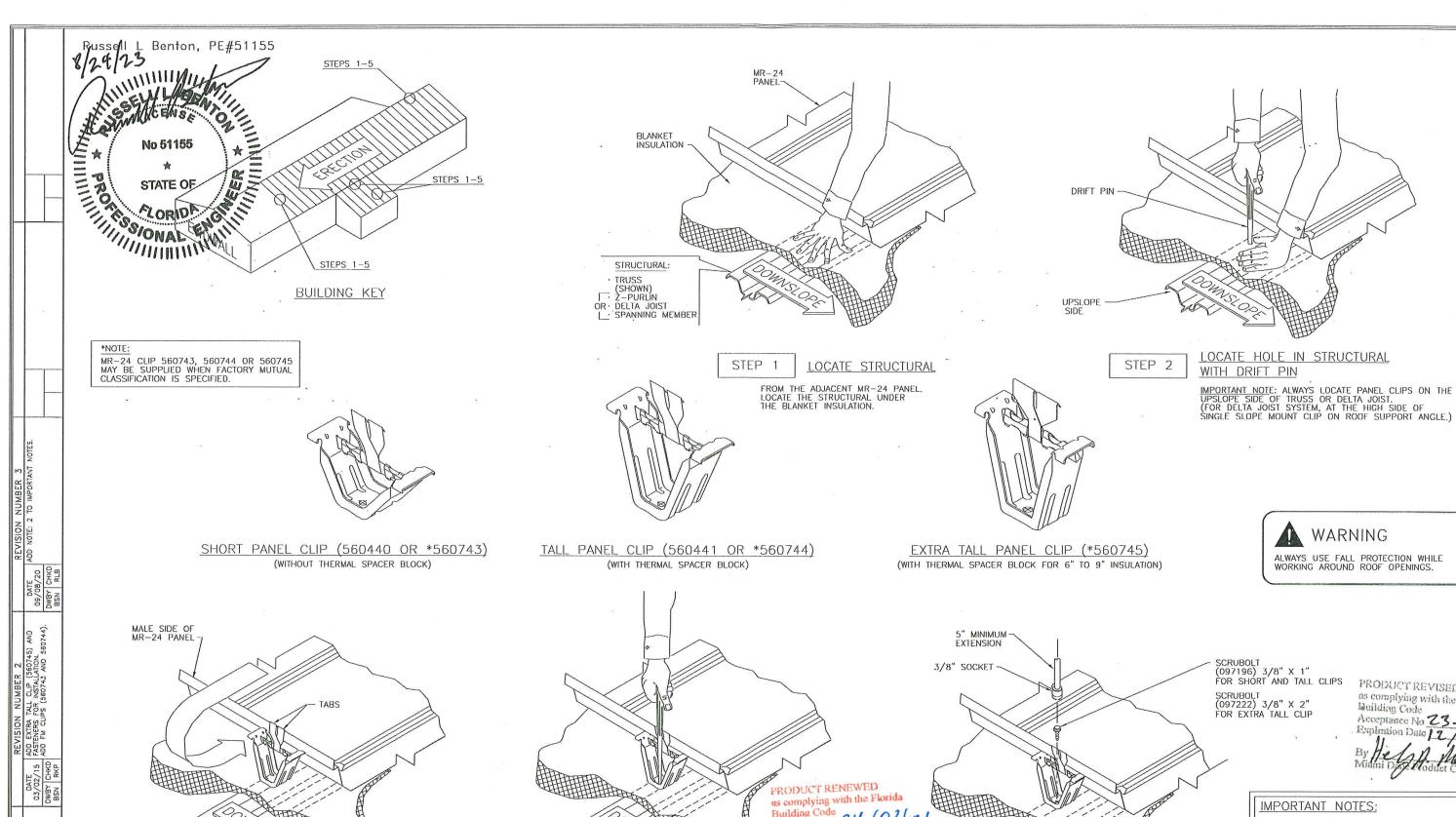
SHEET 3 OF 6



MR-24 HEX HEAD SCRUBOLTS
DADE COUNTY FLORIDA CHECKED BY GROUP NUMBER: 02-030-01 HLM

ovision of BlueScope Buildings North America. 1540 GENESSEE ST. KANSAS CITY, MO. 64102 JRS FIRST RELEASE DATE REVISION DATE 01/21/10 01/04/23

Russell L Benton, PE#51155



IMPORTANT NOTES:

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

PRODUCT REVISED

Building Code Acceptance No Z3

as complying with the Florida

2. PANEL CLIPS MUST BE ATTACHED TO ALL ROOF SECONDARY SUPPORT MEMBERS INCLUDING ALL INTERMEDIATE MEMBERS, SUB-PURLINS, ETC.

WARNING

INSTALL SCRUBOLT FASTENER STEP 5

HOOK PANEL CLIP TABS STEP 3 OVER PANEL AND ROTATE CLIP INTO POSITION

UPSLOPE

TEMPORARILY SECURE THE STEP 4 PANEL CLIP WITH A DRIFT PIN

INSTALLATION OF SCRUBOLT REQUIRES A 3/8" SOCKET AND A 5" (MINIMUM) EXTENSION.

BUTLER **Butler Manufacturing**

vision of BlueScope Buildings North America

1540 GENESSEE ST.

KANSAS CITY, MO. 64102

SHEET 4 OF 6 MR-24 PANEL CLIP INSTALLATION DADE COUNTY FLORIDA

CHECKED BY GROUP NUMBER: 02 - 030 - 06 JRS MJH P - 08138601/21/10 09/08/20

