

# 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)

Kirby Building Systems 305 Industrial Parkway Waterloo, IN 46793

#### 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: 0.024" (min.) Structural Loc-Seam 360 Steel Roof Panel

**APPROVAL DOCUMENT:** Drawing No. MD-LOC, titled "Loc Seam 360 roof Panels", sheets 1 through 6 of 6, prepared by John W. Stark, P.E., dated September 07, 2022, signed and sealed by John W. Stark, P.E. on March 22, 2024, 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 Section.

# MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

**LABELING:** Each panel shall bear a permanent label with the manufacturer's name or logo, Eufaula, AL or Swansea, SC 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 # 22-1019.01 and consists of this page 1, evidence submitted pages E-1 and E-2 as well as approval document mentioned above.

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

MIAMI-DADE COUNTY
APPROVED

HelgAMW 04/04/24

NOA No. 23-0714.05 Expiration Date: 04/13/2028 Approval Date: 04/04/2024

Page 1

#### **Kirby Building Systems**

### NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

### 1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA #22-1019.01

#### A. DRAWINGS

1. Drawing No. MD-LOC, titled "Loc Seam 360 roof Panels", sheets 1 through 6 of 6, prepared by Bala Sockalingam, P.E., last revision dated September 07, 2022, signed and sealed by Bala Sockalingam, P.E. on March 01, 2023.

#### B. TESTS

- 1. Test report on Accelerated Weathering Testing of Coating 2000 hours per ASTM G152, prepared by PPG Industrial Coil Coatings.
- 2. Test report on Salt Spray Testing of Coating 1000 hours per ASTM B117-95, prepared by PPG Industrial Coil Coatings.
- 3. Test report for Uniform Static Air Pressure on 24 ga. Loc-Seam 360 Roof Panel, prepared by Force Engineering & Testing, per TAS 125-03 per ASTM E 1592-05, Report No. 534-0047T-22A-D, dated September 12, 2022, signed and sealed by Johnathan Green, P.E.
- 4. Susceptibility to leakage test in accordance with FM 4471, Appendix G on 24 ga. Loc-Seam 360 Roof Panel, prepared by FET, Report No. T272-22, dated August 09, 2022, signed and sealed by Daniel G. Farabaugh, P.E.
- 5. Wind Driven Rain Test in accordance with Miami-Dade County Protocol TAS 100-95 on 24 ga. Loc-Seam 360 Roof Panel, prepared by FET, Report No. T274-22, dated August 15, 2022, signed and sealed by Daniel G. Farabaugh, P.E.
- 6. Impact test per TAS 201-94, test report #534-0047T-22E, dated September 12, 2022, signed and sealed by Johnathan Green, P.E.

#### C. CALCULATIONS

1. Calculations titled "Loc-Seam 360, 24 ga. Roof Panel Calculations", dated March 01, 2023, pages 1 through 3 of 3, prepared by Bala Sockalingam, P.E., signed and sealed by Bala Sockalingam, P.E.

#### D. QUALITY ASSURANCE

1. By Miami Dade County Department of Regulatory and Economic Resources

#### E. MATERIAL CERTIFICATIONS

1. None.

#### F. STATEMENTS

1. Florida Building Code, 2020 Edition, compliance letter, dated September 21, 2022, prepared by Bala Sockalingam, P.E., signed and sealed by Bala Sockalingam P.E. on September 21, 2022

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

> NOA No. 23-0714.05 Expiration Date: 04/13/2028

> Approval Date: 04/04/2024

### **Kirby Building Systems**

### NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

#### 2. EVIDENCE SUBMITTED UNDER PREVIOUS NOA #23-0821.12

#### A. DRAWINGS

1. Drawing No. MD-LOC, titled "Loc Seam 360 roof Panels", sheets 1 through 6 of 6, prepared by Bala Sockalingam, P.E., last revision #1 dated July 21, 2023, signed and sealed by Bala Sockalingam, P.E. on July 21, 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. Florida Building Code, 2020 Edition and 2023 Edition, compliance letter, dated July 21, 2023, prepared by Bala Sockalingam, P.E., signed and sealed by Bala Sockalingam P.E. on July 21, 2023.

#### 3. NEW EVIDENCE SUBMITTED

#### A. DRAWINGS

1. Drawing No. MD-LOC, titled "Loc Seam 360 roof Panels", sheets 1 through 6 of 6, prepared by John W. Stark, P.E., dated September 07, 2022, signed and sealed by John W. Stark, P.E. on March 22, 2024.

#### B. TESTS

1. PLA from NOA #23-0821.12

#### C. CALCULATIONS

1. PLA from NOA #23-0821.12

#### D. QUALITY ASSURANCE

1. By Miami Dade County Department of Regulatory and Economic Resources

#### E. MATERIAL CERTIFICATIONS

1. PLA from NOA #23-0821.12

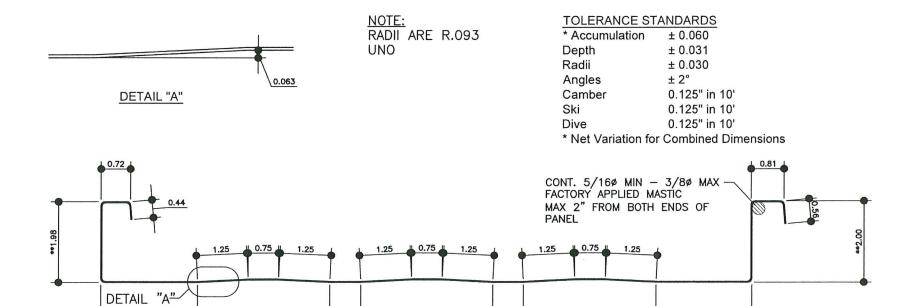
#### F. STATEMENTS

1. FBC, 2023 Edition, compliance drawings, prepared by John W. Stark, P.E., dated 0907/2022, signed and sealed by John W. Stark, P.E. on 03/22/2024.

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

Product Control Section Supervisor NOA No. 23-0714.05

**Expiration Date: 04/13/2028 Approval Date: 04/04/2024** 



LOC SEAM 360 PROFILE

16.00

- GENERAL NOTES: 1. MATERIAL: 24 GA (0.024" MIN), AZ55 WITH MIN. NOM Fy = 50 KSI (58 KSI TESTED) 1a. ALT MATERIAL: 22 GA, AZ55 WITH MIN. Fy = 50 KSI
- 2. COIL WIDTH: 22.00"
- 3. MATERIAL IS ASTM A-792

AZ55 FOR GALVALUME

AZ50 FOR PAINTED

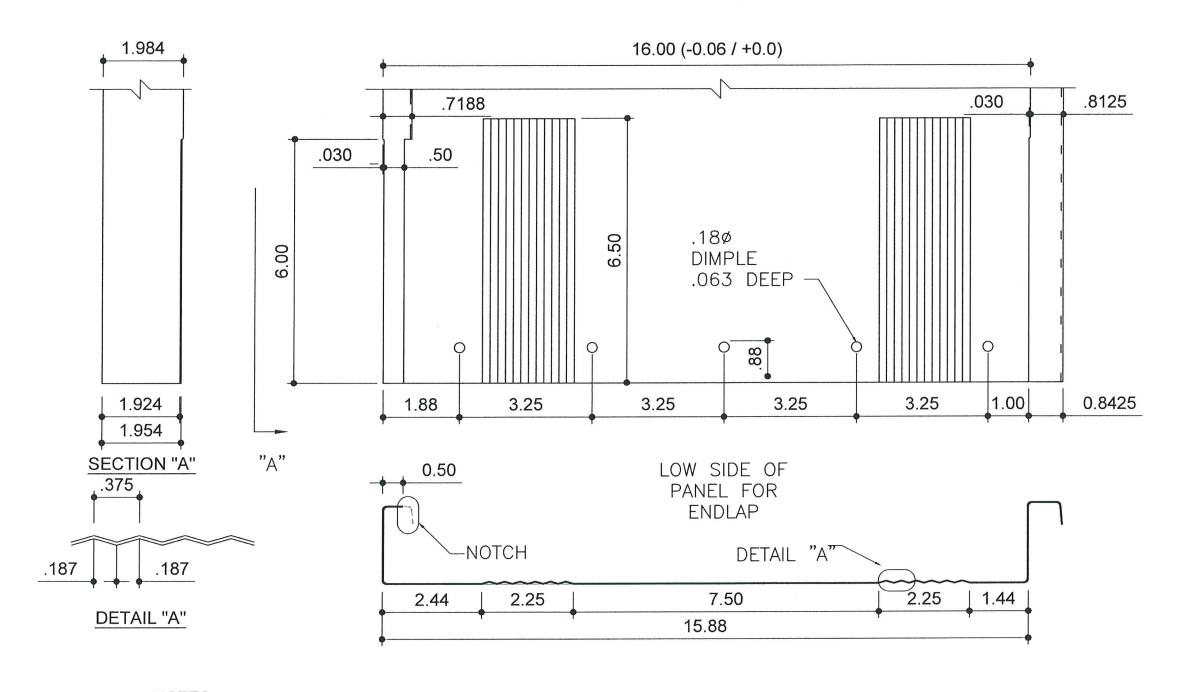
- 4. MASTIC SHALL BEGIN AND END A MAXIMUM OF 2" FROM PANEL ENDS ON UN-SWAGED PANELS. 2" MAXIMUM FROM END OF SWAGE, ON SWAGED PANELS.
- 5. MINIMUM ALLOWABLE ROOF SLOPE 1/4:12

- <u>DESIGN NOTES:</u>

  1.THIS STRUCTURAL ROOF PANEL SYSTEM HAS BEEN DESIGNED IN ACCORDANCE WITH 2023 FLORIDA BUILDING CODE (F.B.C.). THE DESIGN PRESSURES AS DETERMINED FROM SECTION 1620 AND ASCE 7-22 MUST BE MULTIPLIED BY 0.6.
- 2. THIS ROOF PANEL IS DESIGNED FOR SPANS UP TO 5'-0" MAXIMUM
- THIS ROOF PANEL IS DESIGNED FOR STANS OF TO 5-6 WAXIMOM
   DEFLECTION SHALL BE LIMITED TO L/180
   THIS ROOF PANEL IS APPROVED FOR GRAVITY (POSITIVE) PRESSURE OF 70.25 PSF.
- 5. THIS ROOF PANEL IS APPROVED FOR UPLIFT (NEGATIVE) PRESSURE AS SHOWN IN THE TABLE BELOW. FOR PANEL SPANS BETWEEN 1'-0" AND 5'-0" THE MAXIMUM UPLIFT PRESSURE CAN BE DETERMINED BY INTERPOLATION.

MAXIMUM PANEL SPAN	MAXIMUM UPLIFT PRESSURE (PSF)
5'0"	44.2
4' 6"	49.1
4' 0"	55.3
3' 6"	63.2
3' 0"	73.7
2' 6"	88.4
2' 0"	110.5
1' 6"	136.7
1' 0"	150.9

. REVISION MADE CK'D, DATE						LOC SEAM 360 ROOF PANEL		
ENGINEER'S NAME: ROGERER'S SEAL. 177.	JOHN W. STARK. P.B.		ENGINEER'S STATE ENGINEERATION WINGERS.	The second secon	// 11	AND, TN 37148 AND, TN 37148 STATE OF STATE OF	011	24 GA Pg. 1 of 6 REVISION NUMBER OF LOCAL PROPERTY OF THE PROP
DATE	22-10-60	82-10-60				124 KIRBY PORTLAND, PHONE: (6		
SCALE: NOT TO SCALE	DRAWN BY: INCB	CHROTEED BY: SLF				KIRBY BULDING SYSTEMS	, NUCOK	DRAWING #: MD-LOC SEAM 360
Fo	r D	ado	e C	oun	ty Of	fice Use	e (	nly



# NOTES:

- 1) MATERIAL IS ASTM A-792 AZ55 FOR GALVALUME AZ50 FOR PAINTED
- 2) SWAGE IS THE PROCESS OF CRIMPING PANEL TO NARROW IT ALLOWING IT TO NEST INSIDE ANOTHER PANEL
- 3) SWAGE & DIMPLES ARE ON THE LOW SIDE OF THE UP-SLOPE PANEL ONLY.
- 4) PANEL COLORS: ALL STANDARD PVDF COLORS & GM.

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SCALE DATE ENGINEER'S NAME:	EGB 00-01-22 JOHN W. STARK, P.R.	SILF 09-07-22	ENGINEER'S STATE REGISTRATION NUMBER:	¥ 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	KIRBY 124 KIRBY DRIVE BUILDING PORTLAND, TN 37148 SYSTEMS PHONE: (615) 325-4165	RAWING #: MD-LOC SEAM 360 24 GA. Pg. 2 of 6
By By	DEAWN BY:	mpling ptar atio	CT lyin Co	de _	ED he Florida	Only

