



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)

Metl-Span, a Nucor Company
1720 Lakepointe Drive, Suite 101
Lewisville, TX 75057

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: CFR-30, 36, & 42 Polyurethane Foam w/Galvanized Steel Facings Structural Roof Panel

APPROVAL DOCUMENT: Drawing No. C2678, titled "CFR – 30, 36, & 42 Roof Panel System ", sheets 1 through 3 of 3, prepared by Bala Sockalingam, P.E., Structural Engineer, dated July 21, 2023, signed & sealed by Bala Sockalingam, P.E. on July 21, 2023, 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, Lewisville, TX; Prince George, VA; North Las Vegas, NA; Shelbyville, IN; Jackson, MS; or Mattoon, ILL 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 #22-0214.06 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.**



Helmy A. Makar
10/05/2023

NOA No. 23-0803.09
Expiration Date: 04/22/2026
Approval Date: 10/05/2023

Metl-Span, a Nucor Company

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 03-0707.03

A. DRAWINGS

1. *Drawing No. 1234, titled " CFR – 30, 36, & 42 Roof Panel System ", sheets 1 through 3 of 3, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated June 6, 2003, signed & sealed by Warren W. Schaefer, P.E. on April 21, 2004.*

B. TESTS

1. *Test report on wind and wind driven rain resistance test per TAS 100-95 on Metl-Span CFR 30 Roof Panel System by PRI Asphalt Technologies, Report No. MSGI-001-02-01, dated April 11, 2003, signed and sealed by Charles L. Thomas, P.E.*
2. *Test report on Uniform Static Air Pressure Test per TAS 125 on Metl-Span CFR 42 Roof Panel System, prepared by Hurricane Test Laboratory, Inc., Report No. 0308-0401-03, dated May 21, 2003, signed and sealed by Vinu J. Abreham, P.E.*
3. *Test report on Uniform Static Air Pressure Test per TAS 125 on Metl-Span CFR 36 Roof Panel System, prepared by Hurricane Test Laboratory, Inc., Report No. 0308-0401-03, dated May 21, 2003, signed and sealed by Vinu J. Abreham, P.E.*
4. *Test report on Uniform Static Air Pressure Test per TAS 125 on Metl-Span CFR 30 Roof Panel System, prepared by Hurricane Test Laboratory, Inc., Report No. 0308-0401-03, dated May 21, 2003, signed and sealed by Vinu J. Abreham, P.E.*
5. *Test report on Accelerated Weathering Testing of Coating 2000 hours per ASTM G23-81, prepared by The Valspar Corporatio.*
6. *Test report on Salt Spray Testing of Coating 1000 hours per ASTM B117-95, prepared by The Valspar Corporatio.*
7. *Susceptibility to leakage test in accordance with Protocol TAS 114 Appendix G, prepared by PRI Asphalt Technologies, Report No. MSGI-002-02-01, dated April 11, 2003, signed and sealed by Charles L. Thomas, P.E.*

C. CALCULATIONS

1. *Calculations titled " Metal-Span CFR 30, 36, & 42 Roof Panel Calculations " , 13 pages, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E. on July 24, 2003.*
2. *Calculations titled " Metal-Span CFR 30, 36, & 42 Roof Panel Calculations " , 8 pages, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E. on March 24, 2004*

D. QUALITY ASSURANCE

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



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS

1. Tensile test, report # 3DM-366, dated May 21, 2003, by QC Metallurgical, Inc., signed and sealed by Frank E. Grate, Jr., P.E.

2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 05-0830.04

A. DRAWINGS

1. Drawing No. C1425, titled "CFR – 30, 36, & 42 Roof Panel System", sheets 1 through 3 of 3, prepared by Bala Sockalingam, P.E., Structural Engineer, dated August 22, 2005, signed & sealed by Bala Sockalingam, P.E. on August 23, 2005.

B. TESTS

1. None.

C. CALCULATIONS

1. Calculations titled "Metal-Span CFR 30, 36, & 42 Roof Panel Calculations", 13 pages, prepared by Bala Sockalingam, P.E., Structural Engineer, signed and sealed by Bala Sockalingam, P.E. on August 24, 2005.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

3. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 09-0310.10

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.



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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

4. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 13-0327.01

A. DRAWINGS

1. *Drawing No. C1425, titled " CFR – 30, 36, & 42 Roof Panel System ", sheets 1 through 3 of 3, prepared by Bala Sockalingam, P.E., Structural Engineer, dated August 22, 2005, last revision #B dated February 01, 2013, signed & sealed by Bala Sockalingam, P.E. on February 04, 2013.*

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.*

5. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 15-0122.01

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.*



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

6. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 15-0601.03

A. DRAWINGS

1. *Drawing No. C2027, titled " CFR – 30, 36, & 42 Roof Panel System ", sheets 1 through 3 of 3, prepared by Bala Sockalingam, P.E., Structural Engineer, dated May 11, 2015, signed & sealed by Bala Sockalingam, P.E. on August 02, 2015*

B. TESTS

1. *Test report on Salt Spray Testing of Coating 2000 hours per ASTM B117-11, prepared by The Valspar Corporation. Sample number 435A871.*
2. *Test report on Salt Spray Testing of Coating 2000 hours per ASTM B117-11, prepared by The Valspar Corporation. Sample number 433X515.*

C. CALCULATIONS

1. *None.*

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. *None.*

7. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 16-0208.08

A. DRAWINGS

1. *None.*

B. TESTS

1. *Test report on Uniform Static Air Pressure Test per TAS 125 on Metl-Span CFR 30 and CFR 42 Roof Panel Systems, prepared by Intertek / Architectural Testing, Report No. F1967.01-450-44, dated 01/13/2016, signed and sealed by Joseph A. Reed, 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.*



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
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Metl-Span, a Nucor Company

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

8. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 17-0727.06

A. DRAWINGS

1. *Drawing No. C2027, titled "CFR – 30, 36, & 42 Roof Panel System", sheets 1 through 3 of 3, prepared by Bala Sockalingam, P.E., Structural Engineer, dated May 11, 2015, signed & sealed by Bala Sockalingam, P.E. on Dec. 01, 2017.*

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, 2017 Edition compliance letter prepared by Bala Sockalingam, P.E., Structural Engineer, dated 12/01/17, signed & sealed by Bala Sockalingam, P.E.*

9. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 20-1110.09

A. DRAWINGS

1. *Drawing No. C2415, titled "CFR – 30, 36, & 42 Roof Panel System", sheets 1 through 3 of 3, prepared by Bala Sockalingam, P.E., Structural Engineer, dated November 02, 2020, signed & sealed by Bala Sockalingam, P.E. on March 09, 2021.*

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, dated 11/03/20, prepared, signed & sealed by Bala Sockalingam, P.E.*



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

NOA No. 23-0803.09

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Metl-Span, a Nucor Company

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

10. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 22-0214.06

A. DRAWINGS

1. *Drawing No. C2536, titled "CFR – 30, 36, & 42 Roof Panel System ", sheets 1 through 3 of 3, prepared by Bala Sockalingam, P.E., Structural Engineer, dated November 02, 2020, signed & sealed by Bala Sockalingam, P.E. on January 25, 2022.*

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, dated 01/25/22, prepared, signed & sealed by Bala Sockalingam, P.E.*

11. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. *Drawing No. C2678, titled "CFR – 30, 36, & 42 Roof Panel System ", sheets 1 through 3 of 3, prepared by Bala Sockalingam, P.E., Structural Engineer, dated July 21, 2023, signed & 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

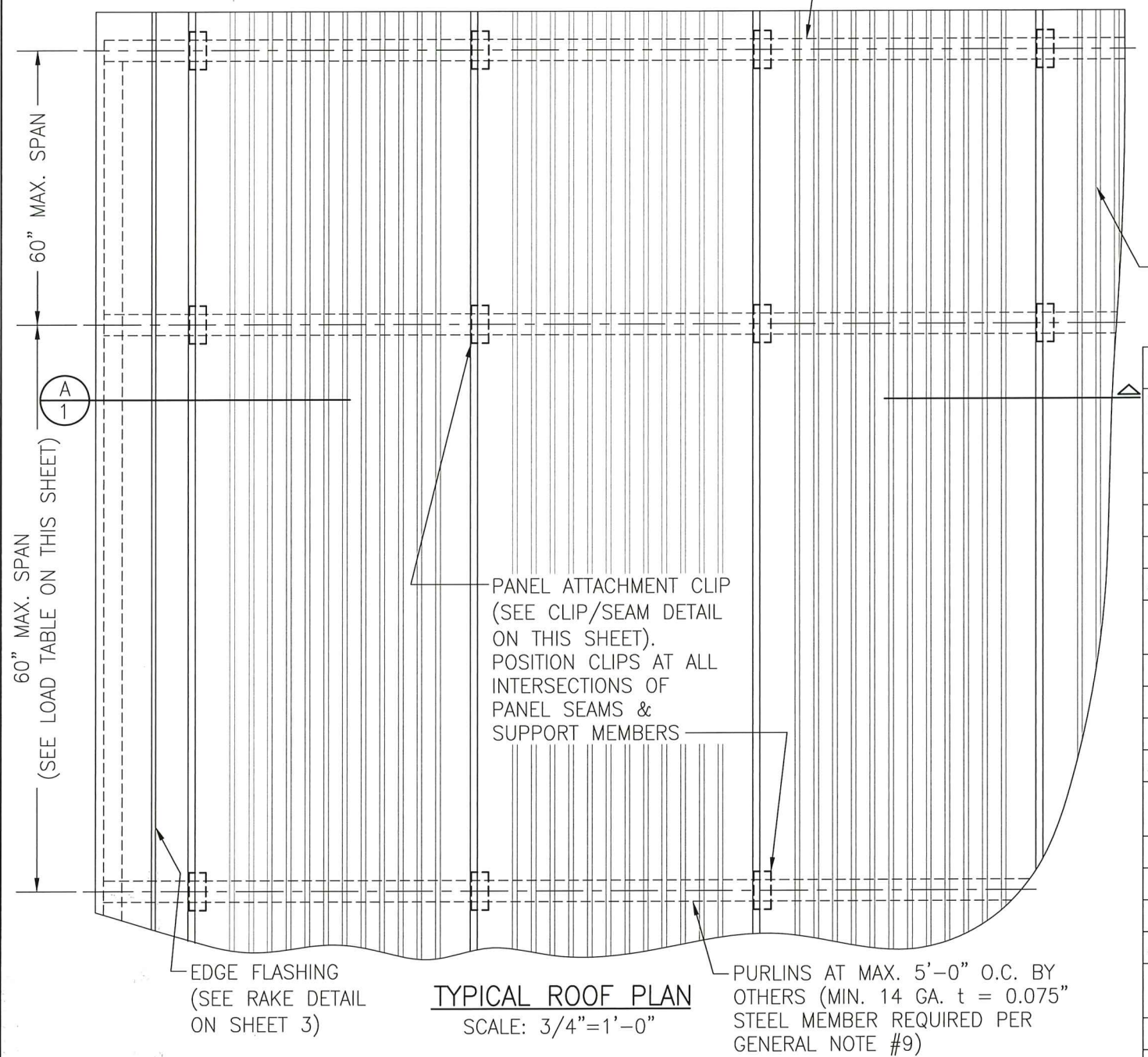
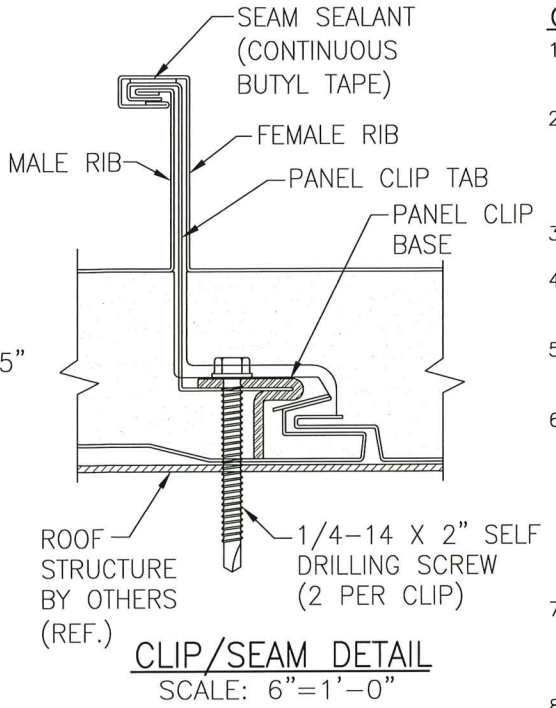
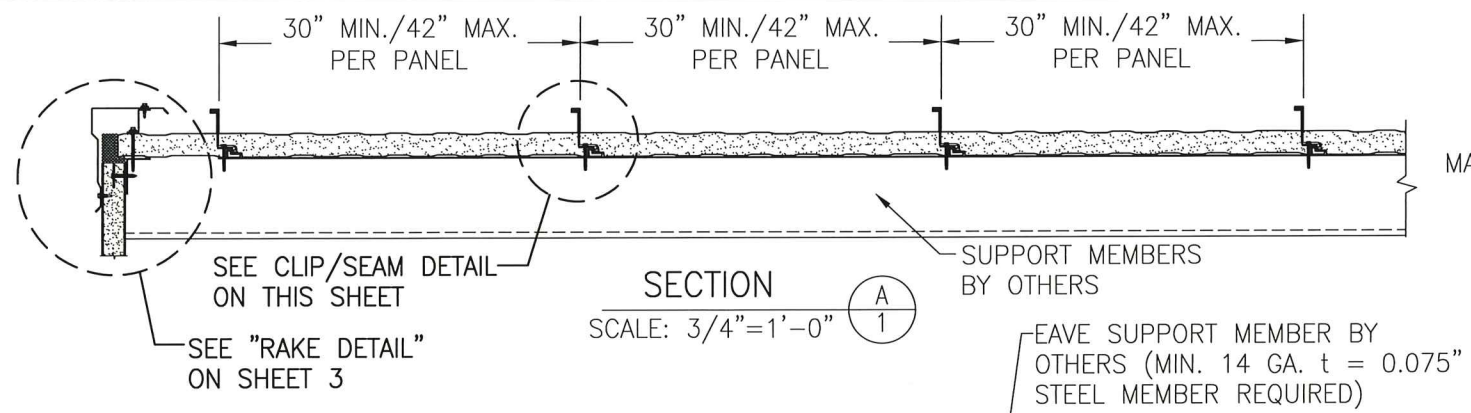
1. *None.*

F. STATEMENTS

1. *FBC, 2020 Edition and 2023 Edition compliance letter, dated 07/21/23, prepared, signed & sealed by Bala Sockalingam, P.E.*



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 23-0803.09
Expiration Date: 04/22/2026
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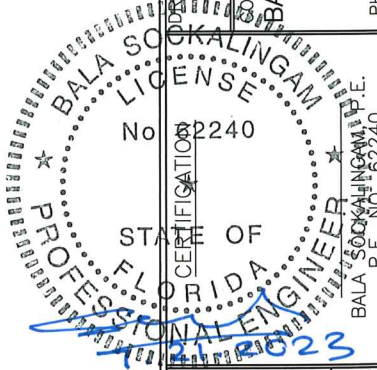
- GENERAL NOTES:**
1. THIS STRUCTURAL ROOF PANEL SYSTEM HAS BEEN DESIGNED IN ACCORDANCE WITH HVH2023 FLORIDA BUILDING CODE (FBC). THE DESIGN PRESSURES AS DETERMINED FROM SECTION 1620 AND ASCE 7-22 MUST BE MULTIPLIED BY 0.6.
 2. ALL ROOF PANELS ARE MAX. 42" WIDE, CONSIST OF ONE 26 GA. (t = 0.019") G-90 INTERIOR STEEL SKIN (Fy = 50 KSI) WITH AN EMBOSSED AND PAINTED FINISH BENEATH FACTORY FOAMED IN PLACE POLYURETHANE CORE (2.0 pcf). ABOVE THE FOAM CORE IS A 24 GA. (t = 0.026") G-90 EXTERIOR STEEL SKIN (Fy = 50 KSI) WITH AN EMBOSSED AND PAINTED FINISH.
 3. THE ROOF PANELS SHALL BE INSTALLED OVER ROOF STRUCTURE AS SPECIFIED ON THESE DRAWINGS.
 4. PANEL END OVERLAPS MUST OCCUR AT CENTERLINE OF SUPPORTING PURLINS PROVIDING THE END LAPS ARE CONSTRUCTED, SUPPORTED & SEALED PER THE END LAP DETAIL ON SHEET 3.
 5. REQUIRED DESIGN WIND LOADS SHALL BE DETERMINED FOR EACH PROJECT. THIS PANEL SYSTEM MAY NOT BE INSTALLED WHEN THE REQUIRED DESIGN WIND LOADS ARE GREATER THAN THE ALLOWABLE WIND LOADS SPECIFIED ON THIS DRAWING.
 6. THIS ROOFING PANEL SYSTEM HAS BEEN TESTED IN ACCORDANCE WITH FLORIDA BUILDING CODE:
 - * ACCELERATED TESTING OF COATING PER ASTM G23
 - * SALT SPRAY TESTING PER ASTM B117
 - * UPLIFT RESISTANCE TEST PER TAS-125 & ASTM E1592
 - * WIND DRIVEN RAIN & STANDING WATER TESTS PER TAS-100 & TAS-114
 - * LARGE MISSILE IMPACT TEST PER TAS-201
 - * TENSILE TESTS PER ASTM E8
 7. ROOF PANEL MANUFACTURER'S PERMANENT LABEL SHALL BE PLACED AT THE END OF EACH PANEL RUN AND SHALL READ: METL-SPAN, A NUCOR COMPANY, LEWISVILLE, TEXAS, MIAMI-DADE COUNTY PRODUCT CONTROL APPROVED
 8. ALL SCREWS SHALL BE CORROSION RESISTANT SELF DRILLING SCREWS.
 9. THE SUPPORTING STRUCTURE, OVER WHICH THE PANELS ARE TO BE INSTALLED, MUST BE MINIMUM 14 GAGE (MIN. 0.075") STEEL WITH MIN. Fy = 50 KSI.
 10. THESE ROOF PANELS SHALL NOT BE CONSIDERED TO OR BE USED FOR TRANSFER OF DIAPHRAM ACTION OF ROOF TO SUPPORTING STRUCTURE.
 11. MINIMUM ALLOWABLE ROOF SLOPE SHALL BE 1/4" PER 12".

PURLIN SPACING & LOAD TABLE								
PANEL SUPPORT CONDITION	MAXIMUM ALLOWABLE UPLIFT PRESSURE (PSF) FOR PANEL WIDTH = 30"							
	L=18"	L=24"	L=30"	L=36"	L=42"	L=48"	L=54"	L=60"
	200.0	200.0	141.3	98.1	72.1	55.2	40.2	29.3
	161.3	121.0	96.8	80.7	69.1	60.5	53.8	44.2
	183.3	137.5	110.0	91.7	78.6	68.8	61.1	55.0
	176.4	132.3	105.8	88.2	75.6	66.1	58.8	51.6
	MAXIMUM ALLOWABLE UPLIFT PRESSURE (PSF) FOR PANEL WIDTH = 36"							
	L=18"	L=24"	L=30"	L=36"	L=42"	L=48"	L=54"	L=60"
	200.0	200.0	128.0	88.9	65.3	50.0	36.4	26.6
	146.7	110.0	88.0	73.3	62.9	55.0	48.9	40.0
	166.7	125.0	100.0	83.3	71.4	62.5	55.6	50.0
	160.3	120.3	96.2	80.2	68.7	60.1	53.4	46.7
	MAXIMUM ALLOWABLE UPLIFT PRESSURE (PSF) FOR PANEL WIDTH = 42"							
	L=18"	L=24"	L=30"	L=36"	L=42"	L=48"	L=54"	L=60"
	200.0	170.1	108.8	75.6	55.5	42.5	31.0	22.6
	124.7	93.5	74.8	62.3	53.4	46.8	41.6	34.0
	141.7	106.3	85.0	70.8	60.7	53.1	47.2	42.5
	136.3	102.2	81.8	68.1	58.4	51.1	45.4	39.7
	MAXIMUM ALLOWABLE POSITIVE PRESSURE (PSF) FOR PANEL WIDTH = 30", 36" & 42"							
	L=18"	L=24"	L=30"	L=36"	L=42"	L=48"	L=54"	L=60"
	200.0	200.0	128.1	89.0	65.4	50.1	36.5	26.6
	146.7	110.0	88.0	73.3	62.9	55.0	48.9	40.0
	166.7	125.0	100.0	83.3	71.4	62.5	55.6	50.0
	160.3	120.3	96.2	80.2	68.7	60.1	53.4	46.8

PRODUCT APPROVAL IS LIMITED TO THE ROOF PANEL & ITS CONNECTING CLIPS. THE STRUCTURAL ADEQUACY OF ALL OTHER STRUCTURAL ITEMS (BEAMS, COLUMNS, PURLINS, FACIA SUPPORTS, CONNECTIONS OF STRUCTURE, ETC.) SHALL BE VERIFIED BY THE STRUCTURAL PLANS EXAMINER OF THE CORRESPONDING BUILDING DEPARTMENT. THE METAL ROOF PANELS SHALL NOT BE DESIGNED TO ACT AS A DIAPHRAGM.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 23-0803.09
Expiration Date 04/22/2026
By *Helga A. Velez*
Miami Dade Product Control

SEE SHEET 2 FOR VALLEY DETAILS



DRAWN BY: B.S.	CHECKED BY: T.S.
PLOT: 1=16	DATE: 7/21/2023
DATE	BY
REVISION DESCRIPTION	
NO.	
DRAWING TITLE CFR-30, 36 & 42 ROOF PANEL SYSTEM	
MANUFACTURER METL-SPAN A NUCOR COMPANY 1720 LAKEPOINTE DRIVE, SUITE 101 LEWISVILLE, TX 75057 972-221-6656	
CONSULTANTS BALA SOCKALINGAM, PH.D., P.E. 1216 N LANSING AVE, SUITE C TULSA, OK 74106 PHONE: 918-492-5992 FAX: 866-366-1543	
DRAWING NO. C2678 SHEET NO. 1 OF 3	

