



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION

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](http://www.miamidade.gov/economy)

## NOTICE OF ACCEPTANCE (NOA)

**Nucor Corp. (Nucor Buildings Group)**  
**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: NBG R-panel Wall Panel

**APPROVAL DOCUMENT:** Drawing No. MD-RPW24, titled "R-Panel Wall Panel", sheets 1 & 2 of 2, prepared by Pala Sockalingam, P.E., dated February 24, 2025, signed and sealed by Bala Sockalingam, P.E., on March 28, 2025, bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and the approval 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, Richmond, VA, North Las Vegas, NV 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 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*  
06/12/25

NOA No. 25-0428.01  
Expiration Date: 06/12/2030  
Approval Date: 06/12/2025

**Nucor Corp. (Nucor Buildings Group)**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. *Drawing No. MD-RPW24, titled "R-Panel Wall Panel", sheets 1 & 2 of 2, prepared by Pala Sockalingam, P.E., dated February 24, 2025, signed and sealed by Bala Sockalingam, P.E., on March 28, 2025.*

**B. TESTS**

1. *Test report on Large Missile Impact Test, Cyclic Wind Pressure Test and Uniform Static Air Pressure Test on NBG-R-Panel-Wall Panel, 36" (coverage) x 24 ga. steel Wall Panel System, prepared by Farabaugh Engineering and Testing, Inc., Report No. T139-25, dated March 13, 2025, signed and sealed by Daniel G. Farabaugh, P.E.*
2. *Accelerated Weathering by PPG Laboratory per:  
ASTM D822 and ASTM G152- Operating Light-and Water Exposure Apparatus (Carbon-Arc Type) for Testing Paint and Related Coatings and Materials.  
ASTM D4214-Degree of Chalking of Exterior Paint Films, Method A-D659.  
ASTM D2244-Calculation of Color Difference.*
3. *Salt Spray by PPG Laboratory per:  
ASTM B117 – Salt Spray (Fog) Testing.  
ASTM D1654-Evaluation of Painted Specimens Subject to Corrosive Environments.  
ASTM D714-Evaluation Degree of Blistering of Paint.  
ASTM D3359- Measuring Adhesion by Tape Test.*
4. *Evaluate Comparative Weathering of ASTM A792, AZ55, SS Grade 50, Class 1 Acrylic Coated Steel by PRI Construction Materials Technologies, LLC dated June 26, 2020.*

**C. CALCULATIONS**

1. *Calculations titled "Min 24 ga. R-Panel Allowable Load Calculations, dated March 28, 2025, 4 pages prepared by Pala Sockalingam, P.E., signed and sealed by Bala Sockalingam, P.E., on March 28, 2025.*

**D. QUALITY ASSURANCE**

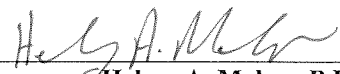
1. *By Miami-Dade County Department of Regulatory and Economic Resources.*

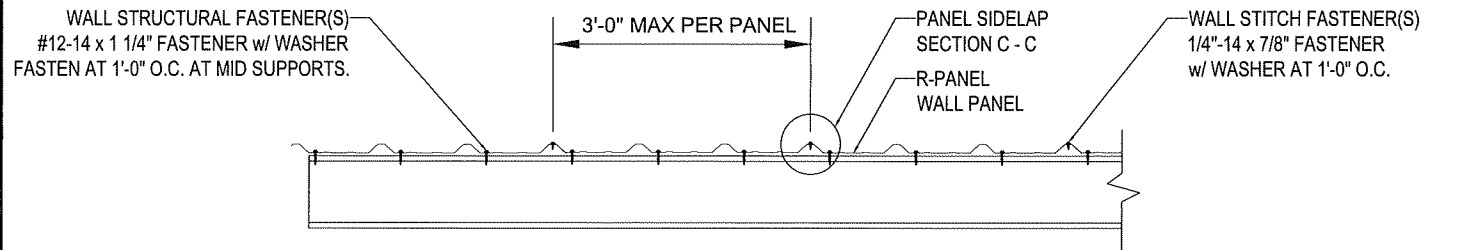
**E. MATERIAL CERTIFICATIONS**

1. *Tensile Test Report No. T139-25, prepared by Farabaugh Engineering and Testing, Inc., dated December 03, 2024, signed and sealed by Daniel G. Farabaugh, P.E.*

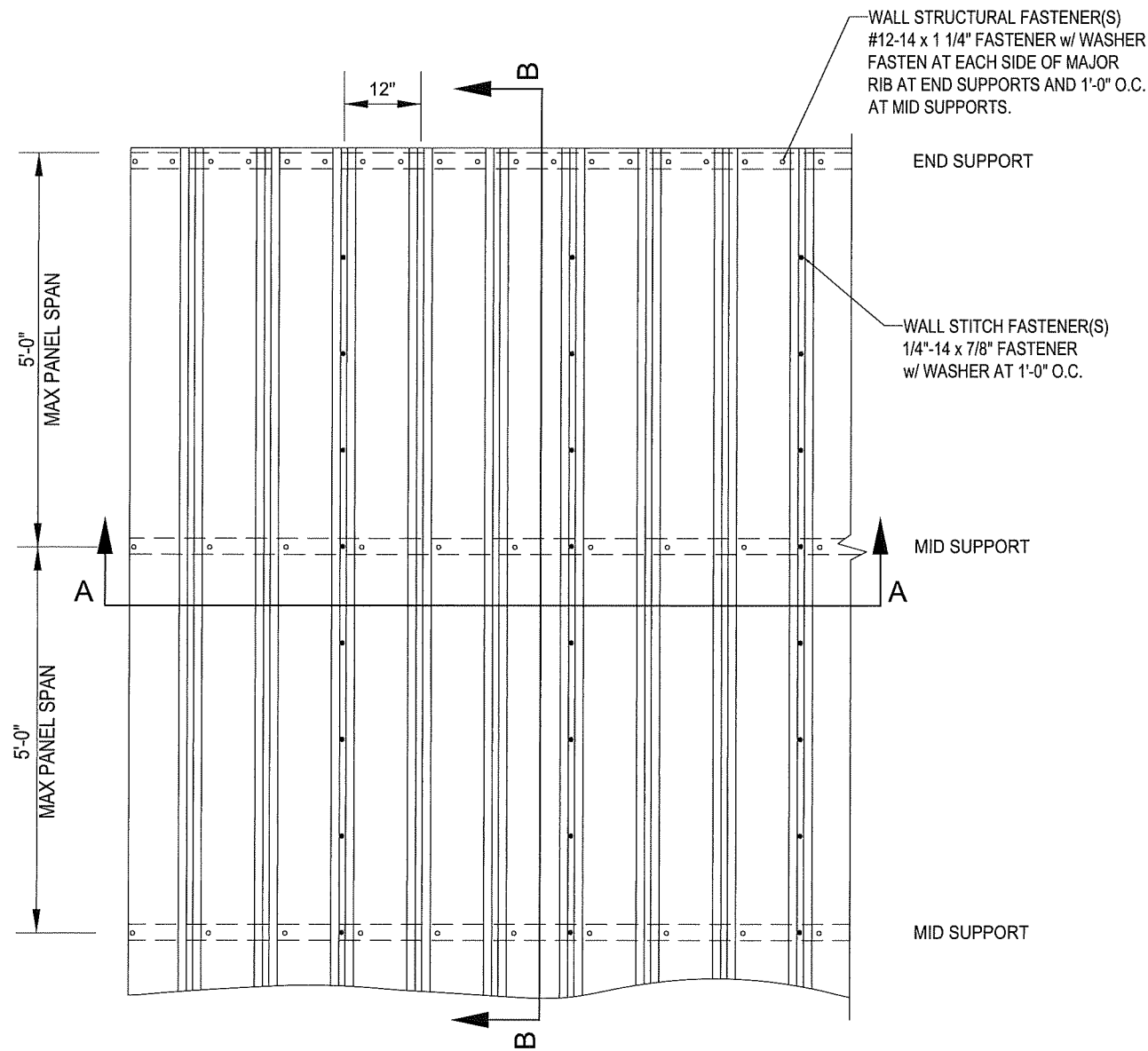
**F. STATEMENTS**

1. *FBC, 2023 Edition Compliance Letter prepared by Pala Sockalingam, P.E., dated 03/28/25, signed and sealed by Bala Sockalingam, P.E.*

  
\_\_\_\_\_  
Helmy A. Makar, P.E., M.S.  
Product Control Section Supervisor  
NOA No. 25-0428.01  
Expiration Date: 06/12/2030  
Approval Date: 06/12/2025



SECTION A-A



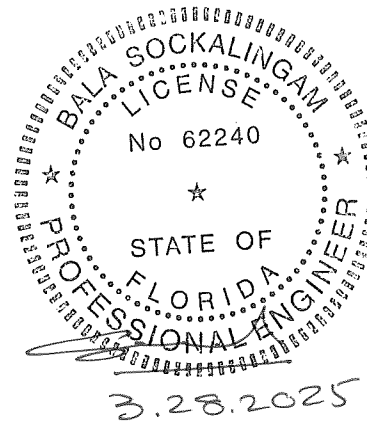
TYPICAL EXTERIOR WALL ELEVATION

## GENERAL NOTES:

- THIS STRUCTURAL WALL PANEL SYSTEM HAS BEEN DESIGNED IN ACCORDANCE WITH HVHZ 2023 FLORIDA BUILDING CODE (FBC). THE DESIGN PRESSURES AS DETERMINED FROM SECTION 1620 AND ASCE 7-22 MUST BE MULTIPLIED BY 0.6.
- WALL PANELS ARE FABRICATED FROM A MAX. 42.75" WIDE COIL & SHALL BE 24 GA. ( $t = 0.0240"$  MIN.) ASTM 792 GR 80 STEEL WITH  $F_y = 109.7$  KSI (MIN) WITH A SILICONIZED MODIFIED POLYESTER (SMP) OR PVDF COATING APPLIED. EFFECTIVE COVERING WIDTH OF PANEL = MAX. 36".
- THE WALL PANELS SHALL BE INSTALLED OVER WALL STRUCTURE AS SPECIFIED ON THESE DRAWINGS.
- HORIZONTAL SEAMS MAY BE PRESENT AT CENTERLINE OF SUPPORTING GIRTS PROVIDED THE SEAMS ARE FLASHED AND PROPERLY SEALED PER NUCOR SPECIFICATIONS AND EACH PANEL END IS SECURED PER THESE DRAWINGS.
- REQUIRED DESIGN WIND LOADS SHALL BE DETERMINED FOR EACH PROJECT.
- THIS WALL PANEL SYSTEM HAS BEEN TESTED AS AN IMPACT SYSTEM IN ACCORDANCE WITH PROTOCOLS TAS-201, 202 & 203.
- ALL SCREWS SHALL BE CORROSION RESISTANT SCREWS.
- THE SUPPORTING STRUCTURE, OVER WHICH THE PANELS ARE TO BE INSTALLED, MUST BE MINIMUM 16 GAGE (0.060") STEEL WITH MIN.  $F_y = 50$  KSI.
- MAXIMUM POSITIVE AND NEGATIVE DESIGN LOADS FOR 24 GA. R-PANEL IN THE WALL FIELD AND CORNER ZONES SHALL BE THE LOWEST PRESSURE CALCULATED BASED ON THE PANEL ALLOWABLES. MAXIMUM ALLOWABLE DEFLECTION LIMIT =  $L/240$ .

M (SUPPORT) (lb.ft/ft)	156.3
M (SPAN) (lb.ft/ft)	87.9
REACTION (lb/ft)	253.3
EI (lb.in <sup>2</sup> /ft)	1504597

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



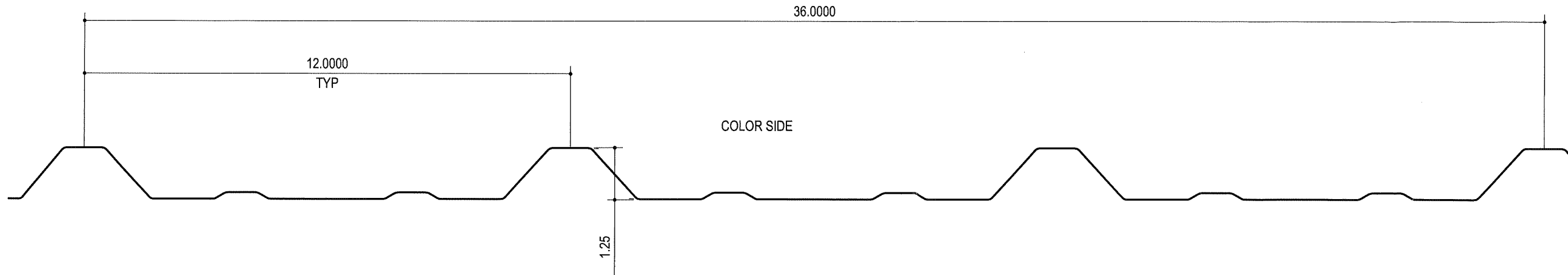
NO.	REVISION	MADE	CK'D.	DATE

R-PANEL WALL

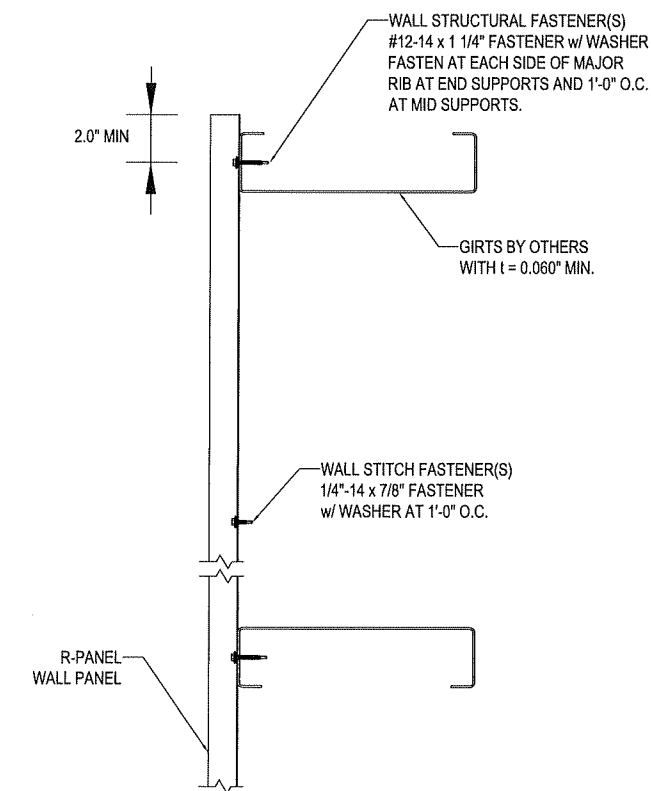
ENGINEER'S NAME: <b>BALA SOCKALINGAM</b> Ph.D., P.E.	ENGINEER'S STATE REGISTRATION NUMBER: <b>FL 62240</b>
DATE 02-24-25	SCALE: NOT TO SCALE
DRAWN BY: BSS	CHECKED BY: DMB
DESIGN APP'D. BY:	ISSUED DATE:
<b>NUCOR CORP</b> NUCOR BUILDINGS GROUP	305 INDUSTRIAL PARKWAY, WATERLOO, IN 46793 PHONE: (206) 837-7891 FAX: (206) 837-7384
DRAWING #: MD-RPW24 Pg. 1 of 2	REVISION NUMBER 0

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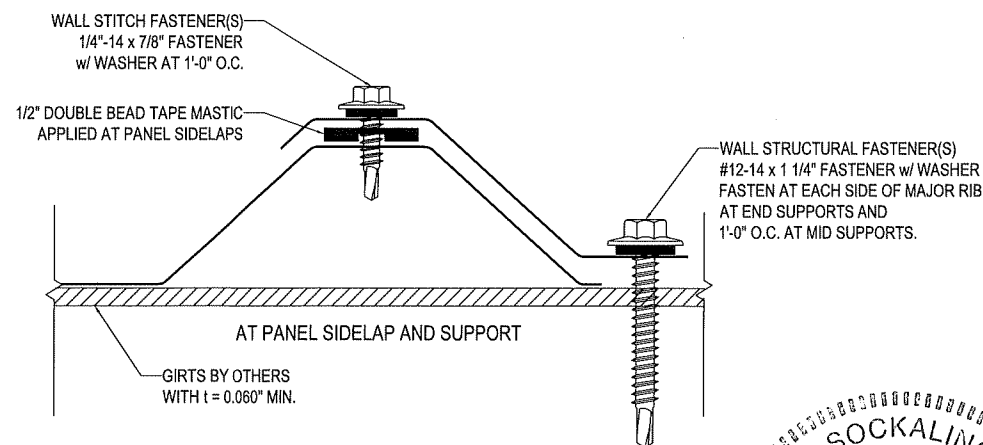
Approved as complying with the Florida Building Code  
Date 06/12/25  
NOA# 25-0428.01  
Miami Dade Product Control  
By Hely P. M...



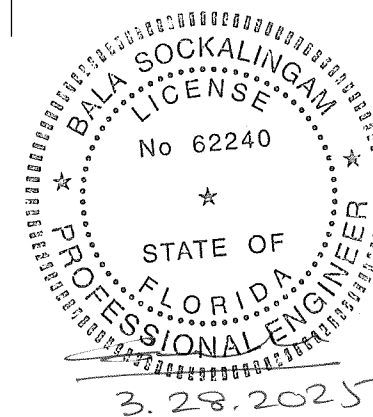
**TYPICAL PANEL CROSS-SECTION**  
24 GA. ALUMINUM/ZINC COATED STEEL WITH PAINTED FINISH



**SECTION B-B**  
**TYPICAL EXTERIOR WALL ELEVATION**



**SECTION C-C**  
**PANEL SIDELAP**



NO.	REVISION	MADE	CK'D.	DATE

R-PANEL WALL

ENGINEER'S SEAL:

SCALE: NOT TO SCALE	DATE	BALA SOCKALINGAM Ph.D., P.E.	
	02-24-25	ENGINEER'S STATE REGISTRATION NUMBER: FL 62240	
DRAWN BY: BSS	CHECKED BY: DMB	<b>NUCOR CORP</b> <b>NUCOR BUILDINGS GROUP</b> 305 INDUSTRIAL PARKWAY, WATERLOO, IN 46793 PHONE: (206) 837-7891 FAX: (206) 837-7384	
DESIGN APP'D. BY:	ISSUED DATE:		
DRAWING #: MD-RPW24		Pg. 2 of 2	REVISION NUMBER 0

For Miami-Dade Use Only

Approved as complying with the  
Florida Building Code  
Date 06/12/25  
NOAH 25-0428.01  
Miami Dade Product Control  
By H. A. Melor