

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)

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: 24 Ga. (0.023" min.) NBG R-Panel Structural Steel Roof Panel

APPROVAL DOCUMENT: Drawing No. MD-RPR24, titled "NBG R-Panel Roof Panels", sheets 1 through 5 of 5, prepared by Bala Sockalingam, P.E., last revision #0 dated 12/09/2024, signed and sealed by Bala Sockalingam, P.E. on 12/26/2024, 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, Terrell, TX 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 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.

MIAMI-DADE COUNTY
APPROVED

Hely A. Melo 06/19/2030 NOA No. 25-0421.01 Expiration Date: 06/19/2030 Approval Date: 06/19/2025

Page 1

Nucor Corp. (Nucor Buildings Group)

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. MD-RPR24, titled "NBG R-Panel Roof Panels", sheets 1 through 5 of 5, prepared by Bala Sockalingam, P.E., last revision #0 dated 12/09/2024, signed and sealed by Bala Sockalingam, P.E. on 12/26/2024.

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. NBG-R-Panel Roof Panel, prepared by Farabaugh Engineering & Testing, per TAS 125-03 per ASTM E 1592-05, Report No. T332-24, dated December 12, 2024, signed and sealed by Daniel G. Farabaugh, P.E.
- 4. Susceptibility to leakage test in accordance with ASTM E2140-01, on 24 ga. NBS-R-Panel Roof Panel, prepared by FET, Report No. T335-24, dated 12/12/2024, 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. NBG-R-Panel Roof Panel, prepared by FET, Report No. T334-24, dated 12/12/2024, signed and sealed by Daniel G. Farabaugh, P.E.
- 6. Impact test per TAS 201-94, test report #T331-24, dated 12/12/2024, signed and sealed by Daniel G. Farabaugh, P.E.

C. CALCULATIONS

1. Calculations titled "24 ga. R-Panel Allowable Load Calculations", dated 12/26/2024, pages 1 through 5 of 5, 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 (RER).

E. MATERIAL CERTIFICATIONS

1. Tensile Test per ASTM A370-10, dated 12/03/2024.

F. STATEMENTS

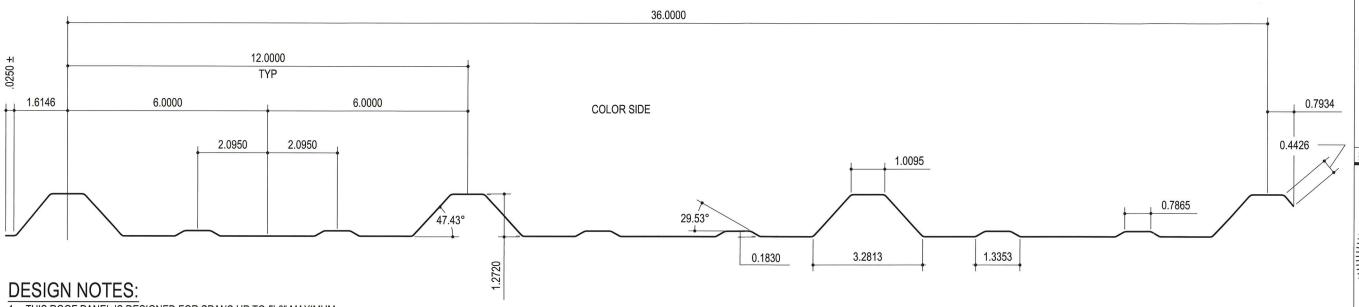
1. Florida Building Code, 2023 Edition, compliance letter, dated 12/26/2024, prepared by Bala Sockalingam, P.E., signed and sealed by Bala Sockalingam P.E. on 12/26/2024.

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

Product Control Section Supervisor

NOA No. 25-0421.01

Expiration Date: 06/19/2030 Approval Date: 06/19/2025



- 1. THIS ROOF PANEL IS DESIGNED FOR SPANS UP TO 5'-0" MAXIMUM
- 2. THE R-PANEL (RPR24), WHEN UTILIZED AS A ROOF PANEL, IS COMPLIANT WITH THE FLORIDA BUILDING CODE 2023 EDITION.
- 3. DEFLECTION SHALL BE LIMITED TO L/180.
- 4. THIS ROOF PANEL IS APPROVED FOR GRAVITY (POSITIVE) PRESSURE OF 85.8 PSF.
- 5. THIS ROOF PANEL IS APPROVED FOR UPLIFT (NEGATIVE) PRESSURE AS SHOWN IN THE TABLE BELOW. FOR PANEL SPANS BETWEEN 2'-0" AND 5'-0" MAXIMUM UPLIFT PRESSURE CAN BE DETERMINED BY INTERPOLATION.

MAXIMUM PANEL SPAN	MAXIMUM UPLIFT PRESSURE (PSF)
5'-0"	63.7
4'-6"	75.1
4'-0"	84.5
3'-6"	96.6
3'-0"	112.7
2'-6"	135.2
2'-0"	169.0

GENERAL NOTES

- ALL DIMENSIONS ARE ± 1/32" (U.N.) EXCEPT TOLERANCE DIMENSIONS.
- 2. ALL ANGLES ±2° (U.N.)
- COIL WIDTH = 42.75".
- MATERIAL = 24 GA., (0.023" MIN.) MINIMUM YIELD 80 KSI (TESTED 109.8 KSI)
- MINIMUM ALLOWABLE ROOF SLOPE 1/2 TO 12

Tolerance Standards for Thickest Metal:

* Accumulation---- (+ or -) 1/16 in.

Depth----- (+ or -) 1/32 in.

Radii----- (+ or -) 0.02 in. Angles---- (+ or -) 2 degrees Camber----- 1/8 in. in 10 ft.

Ski------ 1/8 in. in 10 ft. Dive----- 1/8 in. in 10 ft.

*Net Variation for Combined Dimensions

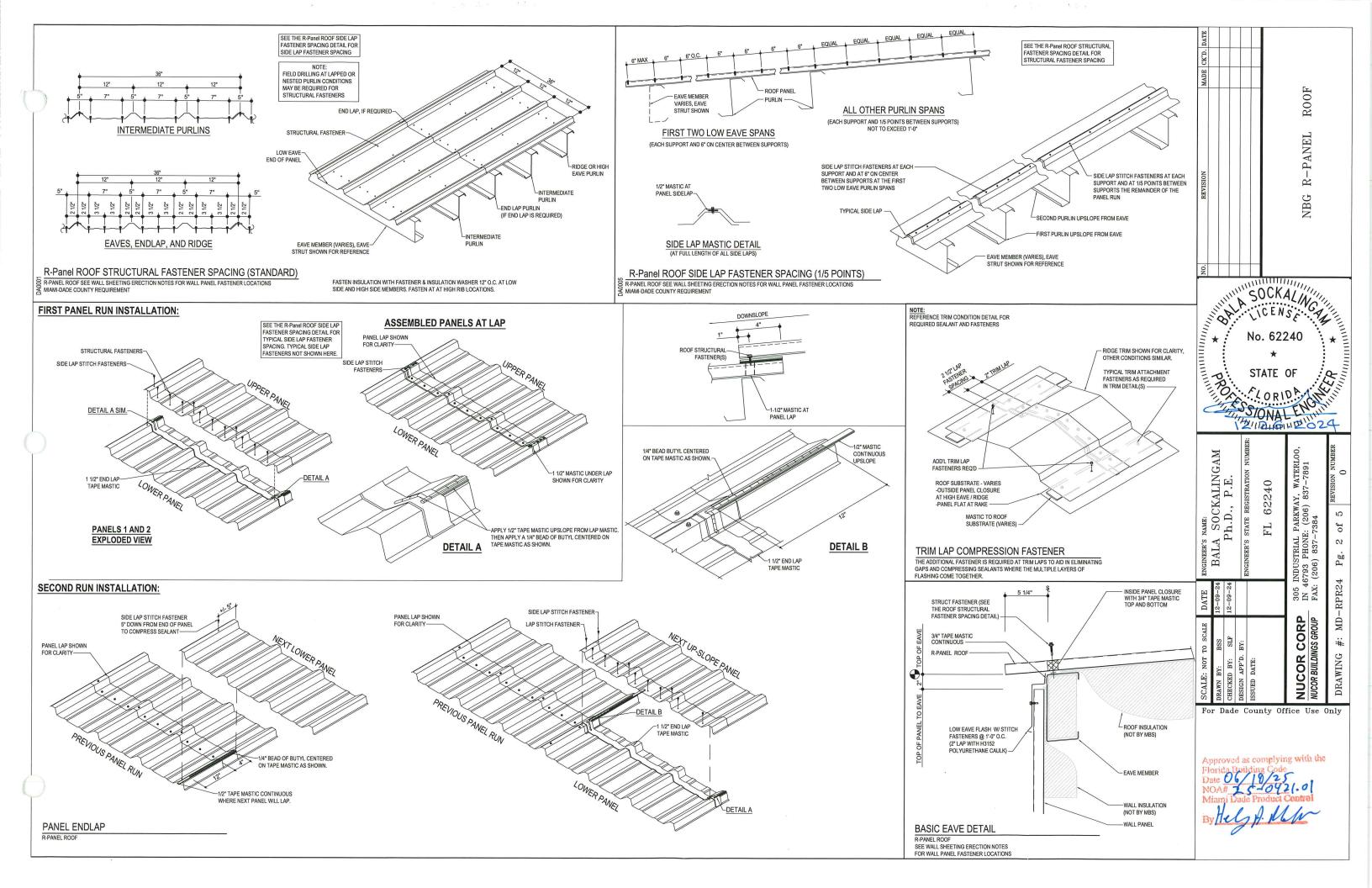
R-PANEL CROSS-SECTION

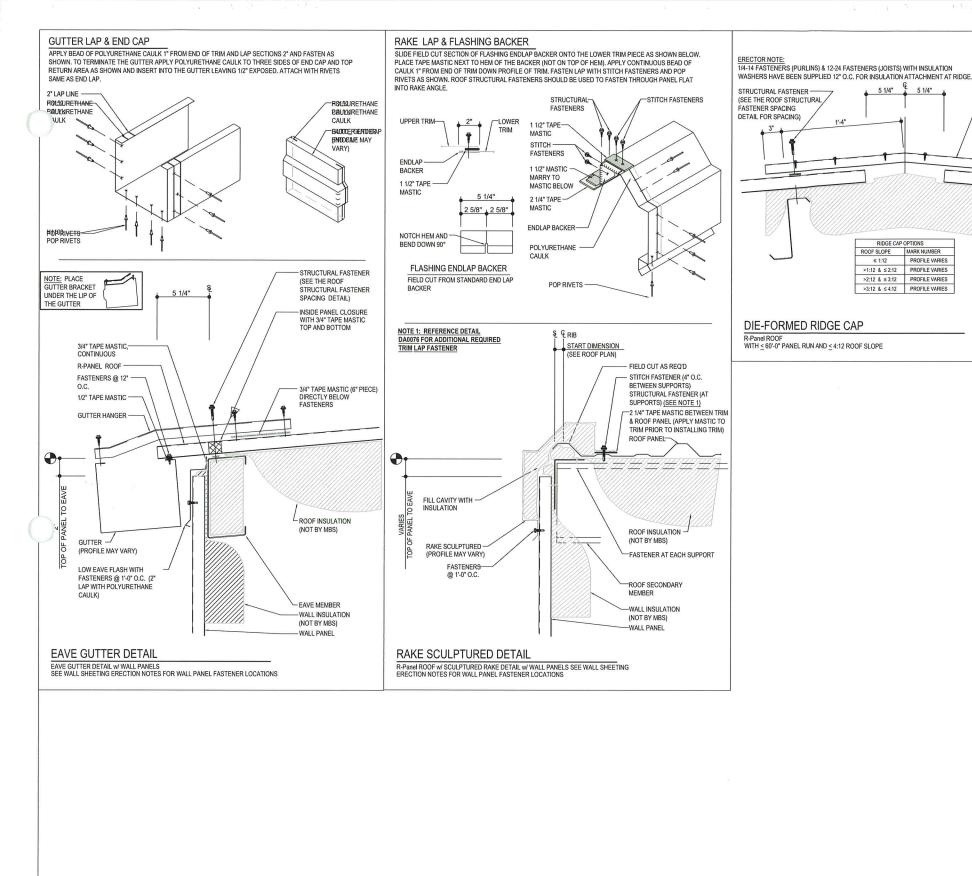
ROOF PANEL SOCKAL WC INCENSION No. 62240

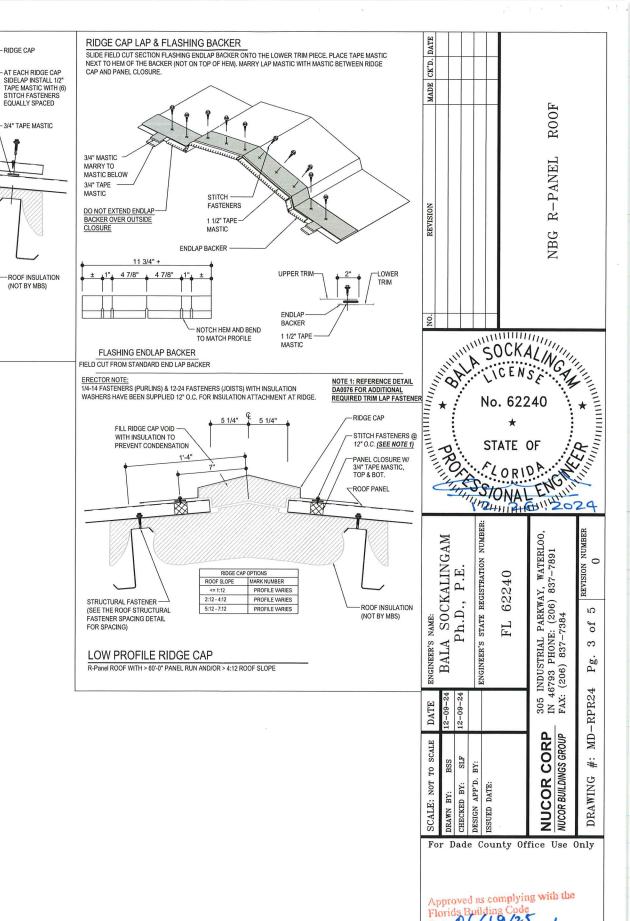
*
STATE OF

SOCKAL WC INCENSION NO. 62240 ENGINEER'S NAME:
BALA SOCKALINGAM
Ph.D., P.E. 622402 $_{
m o}$ 305 INDUSTRIAL P. IN 46793 PHONE: FAX: (206) 837-73 CORP NGS GROUP :# DRAWING NUCOR BUILDIN For Dade County Office Use Only

A springerment of the a







-RIDGE CAP

5 1/4"

ROOF SLOPE MARK NUMBER

>1:12 & ≤ 2:12 PROFILE VARIES

>2:12 & ≤ 3:12 PROFILE VARIES

>3:12 & ≤ 4:12 PROFILE VARIES

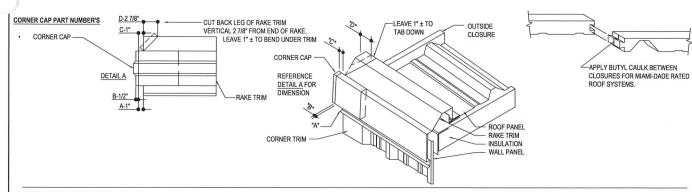
PROFILE VARIES

SCULPTURED HIGH EAVE TO RAKE TRANSITION

RAKE TRIM PREPARATION FOR SCULPTURED HIGH EAVE TRIM INSTALLATION STEP 1

EXTEND THE RAKE TRIM DIMENSION VARIES PAST THE OUTSIDE FACE OF THE WALL CORNER TRIM. FIELD COPE THE VERTICAL LEG OF THE RAKE TRIM FLUSH TO THE OUTSIDE FACE OF THE WALL CORNER TRIM.

FIELD COPE THE UPPER SECTION OF THE RAKE TRIM BACK AS SHOWN. COPE THE "SLOPED" FACE OF THE RAKE TRIM BACK AT AN ANGLE AS SHOWN BEFORE INSTALLING THE HIGH EAVE TRIM, APPLY POLYURETHANE TUBE CAULK AROUND THE PERIMETER OF THE CORNER CAP (MK. VARIES). SLIDE THE CAP INTO THE END OF THE STANDARD RAKE TRIM, LEAVING 1/2" EXPOSED AS SHOWN BELOW.



SCULPTURED HIGH EAVE TRIM INSTALLATION STEP 2

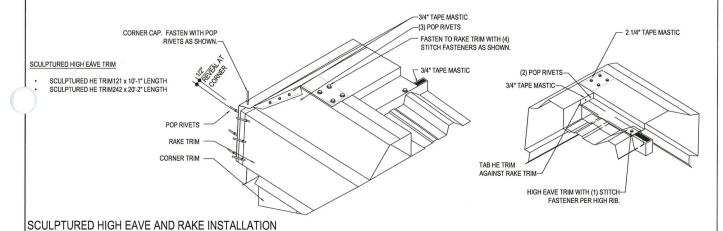
DETAIL SHOWN WITH ROOF AND WALL PANEL

FIELD CUT AN OUTSIDE CLOSURE LONG ENOUGH TO REACH BACK OF RAKE TRIM. APPLY 3/4" TAPE MASTIC CONTINUOUSLY ACROSS THE TOP AND BOTTOM OF THE CLOSURES.

LAY THE HIGH EAVE TRIM OVER THE OUTSIDE CLOSURE AND FASTEN WITH (4) TRIM-COLORED SELF-DRILLING SCREWS. NOTE: THE HIGH EAVE TRIM MUST BE PROPERLY POSITIONED BEFORE TOUCHING THE MASTIC. REMOVE THE PAPER BACKING ONLY AS WORK PROGRESSES.

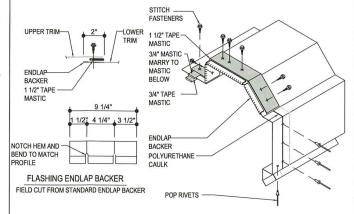
FIELD COPE THE HIGH EAVE TRIM SIMILAR TO THE RAKE TRIM EXCEPT DO NOT CUT THE SLOPED FACE. INSTEAD, FOLD THE SLOPED FACE OVER THE SLOPED FACE OF THE RAKE TRIM. APPLY 2 1/4" TAPE MASTIC TO FLAT PORTION OF RAKE TRIM. APPLY 3/4" TAPE MASTIC TO SLOPING EDGE OF TRIM. MAKE SURE MASTIC SEALS AT ALL LOCATIONS OF TRIM INTERSECTIONS AND FASTEN WITH (3) POP RIVETS.

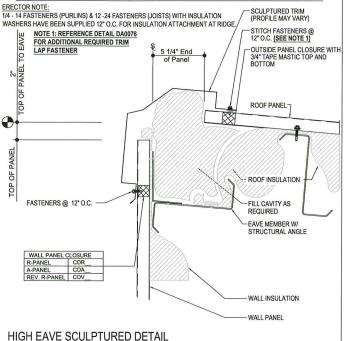
FASTEN THE HIGH EAVE TRIM AND THE RAKE TRIM TO THE CORNER CAP WITH POP RIVETS FASTEN THE TOP LEG OF THE HIGH EAVE TRIM WITH (4) TRIM-COLORED SELF DRILLING SCREWS.



HIGH EAVE LAP & FLASHING BACKER

SLIDE FIELD CUT SECTION FLASHING ENDLAP BACKER ONTO THE LOWER TRIM PIECE. PLACE TAPE MASTIC NEXT TO HEM OF THE BACKER (NOT ON TOP OF HEM). APPLY CONTINUOUS BEAD OF CAULK 1* FROM END OF TRIM DOWN PROFILE OF TRIM. FASTEN LAP WITH STITCH FASTENERS AND POP RIVETS AS SHOWN.





HIGH EAVE SCULPTURED DETAIL W/ R-Panel ROOF & WALL PANELS SEE WALL SHEETING ERECTION NOTES FOR WALL PANEL FASTENER LOCATIONS

ROOF PANEL R NBG No. 62.

*
STATE OF

STATE OF

ORIDA

ONAL

ONAL NGINEER'S NAME:
BALA SOCKALINGAM
Ph.D., P.E. 62240 5 CORP

For Dade County Office Use Only

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DRAWING

2 NUCOR BUIL

approved as complying with the Florida Building Code
Dete 06/19-0921.0
NOA#2/5-0921.0
Miami Dade Product Control
By H.J.A. M.

