

#### DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER) BOARD AND CODE ADMINISTRATION DIVISION NOTICE OF ACCEPTANCE (NOA)

Rheem Sales Company 5600 Old Greenwood Rd. Fort Smith, AR 72917

### 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 Florida Building Code, including the High Velocity Hurricane Zone.

# **DESCRIPTION: Rheem Jaguar Mini-Split Units**

**APPROVAL DOCUMENT:** Drawing No. **22-56442**, titled "Rheem Jaguar Mini-Split Units", sheets 1 and 17 of 17, dated 01/23/2025, prepared by Engineering Express, signed and sealed by Richard Neet, P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

# **MISSILE IMPACT RATING: None**

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, Maharashtra, India, model/series and following statement: "Miami-Dade County Product Control Approved or MDCPCA", 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 # 24-0221.03** and consists of this page 1 and evidence pages E-1 and E-2, as well as the approval document mentioned above.

The submitted documentation was reviewed by Carlos M. Utrera, P.E.



NOA No. 25-0106.02 Expiration Date: June 27, 2029 Approval Date: March 20, 2025 Page 1

03/11/25

# **NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

### 1. Evidence submitted under NOA # 24-0221.03

### A. DRAWINGS

1. Drawing No. 22-56442, titled "Rheem Jaguar Mini-Split Units", sheets 1 and 15 of 15, dated 01/252024, prepared by Engineering Express, signed and sealed by Richard Neet, P.E. on 04/29/2024.

# **B. TESTS**

Test report on 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94

 Pull Test per modified ASTM E72-15
 along with marked-up drawings and installation diagram of Models
 RD17AZ24AJ3NA, RD17AZ36AJ3NA, and RD17AZ60AJ3NA, prepared by
 American Test Lab of South Florida, Test Report No. 0922.01-23, dated 12/02/2023, signed and sealed by Stephen W. Warter, P.E.

# C. CALCULATIONS

1. Anchorage calculations prepared by Engineering Express, dated 05/28/2024, signed and sealed by Richard Neet, P.E.

# D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

# E. MATERIAL CERTIFICATIONS

1. None.

# F. STATEMENTS

- 1. Statement letter of code conformance to the 8<sup>th</sup> edition (2023) of the FBC, issued by Engineering Express, dated 04/17/2024, signed and sealed by Richard Neet, P.E.
- 2. Statement letter of no financial interest, issued by Engineering Express, dated 04/29/2024, signed and sealed by Richard Neet, P.E
- **3.** Test proposal No. 23-0215.

Carlos M. Utrera, P.E. Product Control Examiner NOA No. 25-0106.02 Expiration Date: June 27, 2029 Approval Date: March 20, 2025

# **NOTICE OF ACCEPTANCE:** EVIDENCE SUBMITTED

# 2. New evidence submitted

# A. DRAWINGS

1. Drawing No. 22-56442, titled "Rheem Jaguar Mini-Split Units", sheets 1 and 17 of 17, dated 01/23/2025, prepared by Engineering Express, signed and sealed by Richard Neet, P.E.

# **B. TESTS**

1. None.

# C. CALCULATIONS

1. Anchoring verification calculations prepared by Engineering Express, dated 12/23/2024, signed and sealed by Richard Neet, P.E.

# D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

# E. MATERIAL CERTIFICATIONS

1. None.

# F. STATEMENTS

- 1. Statement letter of code conformance to the 8<sup>th</sup> edition (2023) of the FBC, issued by Engineering Express, dated 12/23/2024, signed and sealed by Richard Neet, P.E.
- 2. Statement letter of no financial interest, issued by Engineering Express, dated 12/23/2024, signed and sealed by Richard Neet, P.E
- **3.** Distributor agreement between Blue Star North America (as manufacturer) and Rheem Sales Company (as distributor), dated 02/06/2025.

From

Carlos M. Utrera, P.E. Product Control Examiner NOA No. 25-0106.02 Expiration Date: June 27, 2029 Approval Date: March 20, 2025

# RHEEM SALES COMPANY

RHEEM JAGUAR MINI-SPLIT UNITS NOT RATED FOR MISSILE IMPACT RESISTANCE VALID FOR USE INSIDE AND OUTSIDE THE HVHZ (SEE LIMITATIONS HEREIN) NON-SITE-SPECIFIC STRUCTURAL PERFORMANCE EVALUATION. A DESIGN PROFESSIONAL SHALL BE

RESPONSIBLE FOR CERTIFYING THE APPLICATION OF THIS INFORMATION TO ANY SITE-SPECIFIC LOCATION.

# **DESIGN NOTES:**

1. THIS SYSTEM HAS BEEN DESIGNED TO MEET THE MAXIMUM ASD DESIGN WIND PRESSURES AS LISTED BELOW. SEE ACCOMPANYING LIMITATIONS AND CONDITIONS:

#### MAXIMUM-RATED (ASD) DESIGN WIND PRESSURES:

AT-GRADE APPLICATIONS: ± 54 psf LATERAL, 0 psf UPLIFT\*

**ROOFTOP APPLICATIONS:** ± 140 psf LATERAL, 111 psf UPLIFT

\*PER THE CODES AND STANDARDS REFERENCED HEREIN, UPLIFT IS NOT REQUIRED FOR MECHANICAL EQUIPMENT AT-GRADE. IF UPLIFT AT-GRADE IS REQUIRED BY THE AUTHORITY HAVING JURISDICTION, CONTACT ENGINEERING EXPRESS FOR A SITE-SPECIFIC EVALUATION.

REQUIRED DESIGN WIND PRESSURES SHALL BE DETERMINED BY A REGISTERED DESIGN PROFESSIONAL IN ACCORDANCE WITH THE GOVERNING CODE(S) AND ALLOWABLE STRESS DESIGN (ASD) METHODOLOGY.

REQUIRED DESIGN WIND PRESSURES SHALL BE LESS THAN OR EQUAL TO THE MAXIMUM PRESSURES LISTED HEREIN FOR ANY ASSEMBLY AS SHOWN. PRESSURE VALUES IN THIS APPROVAL ARE (ASD) ALLOWABLE DESIGN PRESSURES UNLESS NOTED OTHERWISE.

- MAXIMUM-RATED ASD WIND PRESSURES INDICATE THE MAXIMUM PRESSURES THAT ALL UNITS 2. DESCRIBED HEREIN ARE APPROVED FOR. SEE LIMITATIONS HEREIN.
- SITE-SPECIFIC WIND ANALYSIS MAY PRODUCE ALTERNATE LIMITATIONS PROVIDED THAT THE MAXIMUM-RATED WIND PRESSURES STATED HEREIN ARE NOT EXCEEDED.

# **TERMINOLOGY:**

THE FOLLOWING ABBREVIATIONS MAY APPEAR IN THIS APPROVAL:

"ADDTL" FOR "ADDITIONAL", "AHJ" FOR "AUTHORITY HAVING JURISDICTION", "ALUM" FOR "ALUMINUM, "ASD" FOR "ALLOWABLE STRESS DESIGN", "BO" FOR "BUILD-OUT", "CS" FOR "CARBON STEEL", "DIMS" FOR "DIMENSIONS", "EA." FOR "EACH", "E.D."/"EDGE"/"EDGE DIST." FOR "EDGE DISTANCE", "ELEV" FOR "ELEVATION", "EMBED" FOR "EMBEDMENT", "EQ"/"EQUIV." FOR "EQUIVALENT", "EXT" FOR "EXTERIOR", "FBC" FOR "FLORIDA BUILDING CODE", "ft" OR " ' ' FOR "FEET", "G" FOR "SPECIFIC GRAVITY", "GA" FOR "GAUGE", "GALV" FOR "GALVANIZED", "GFB" FOR "GROUT-FILLED BLOCK", "GR" FOR "GRADE", "H" FOR "HEIGHT", "HOLLOW" FOR "HOLLOW BLOCK", "HORIZ" FOR "HORIZONTAL", "HVHZ" FOR "HIGH-VELOCITY HURRICANE ZONE", "in" OR " " " FOR "INCHES", "INT" FOR "INTERIOR", "KSI" FOR "1,000 lb / in2", "L" FOF "LENGTH", "LB" FOR "POUND", "MAX" FOR "MAXIMUM, "MIN" FOR "MINIMUM", "N.T.S." FOR "NOT TO SCALE", "O.C." FOR "ON-CENTER", "P.E." FOR "PROFESSIONAL ENGINEER", "PERP" FOR "PERPENDICULAR" "PSF" FOR "POUNDS PER SQUARE FOOT (lb/ft2)", "PSI" FOR "POUNDS PER SQUARE INCH (lb/in2)", "QTV" FOR "QUANTITY", "REF." FOR "REFERENCE", "SCHED." FOR "SCHEDULE", "SDS" FOR "SELF-DRILLING SCREWS", "SMS" FOR "SHEET METAL SCREWS", "SPECS" FOR "SPECIFICATIONS", "SS" FOR "STAINLESS STEEL", "SUB" FOR "SUBMITTAL", "TAS" FOR "TESTING APPLICATION STANDARD", "TYP." FOR "TYPICAL" "ULT" FOR "ULTIMATE LOADS", "U.N.O." FOR "UNLESS NOTED OTHERWISE", "UTS" OR "Fu" FOR "ULTIMATE TENSILE STRENGTH/STRESS", "VERT" FOR "VERTICAL", "W" FOR "WIDTH", "WLL" FOR "WORKING LOAD LIMIT", "W/" FOR "WITH", "W/O" FOR "WITHOUT", "YS" FOR "YIELD STRENGTH", "#" FOR "NUMBER", "&' FOR "AND", AND "Ø" FOR "DIAMETER",

CONTACT ENGINEERING EXPRESS FOR ADDITIONAL ABBREVIATION/TERMINOLOGY CLARIFICATIONS.

#### **PRODUCT REVISED** as complying with the Florida **Building Code**

25-0106.02 NOA-No.

Expiration Date 06/27/2029

Atros

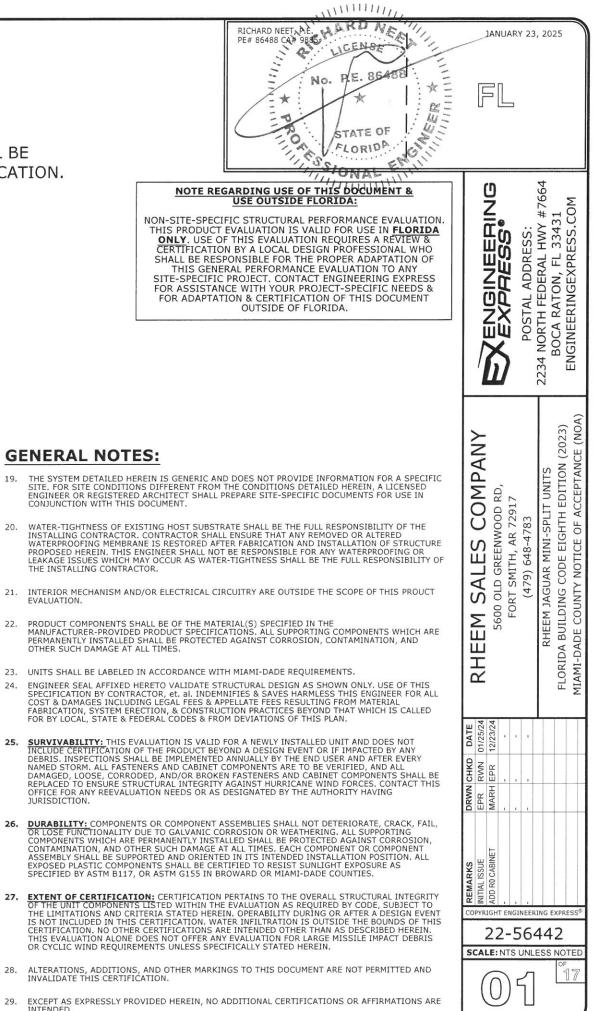
#### Miami-Dade Product Control

# **GENERAL NOTES:**

- THIS SYSTEM HAS BEEN DESIGNED AND SHALL BE FABRICATED IN ACCORDANCE WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE EIGHTH EDITIION (2023). THIS SYSTEM MAY BE USED WITHIN AND OUTSIDE OF THE HIGH-VELOCITY HURRICANE ZONE (HVHZ). THIS DESIGN IS NOT INTENDED TO CERTIFY MISSILE IMPACT RESISTANCE OF THE MECHANICAL UNIT CABINETRY.
- THIS IS A STRUCTURAL (WIND) PERFORMANCE EVALUATION ONLY. NO ELECTRICAL OR TEMPERATURE PERFORMANCE RATINGS OR CERTIFICATIONS ARE OFFERED OR IMPLIED HEREIN. 2. UNDER NO CIRCUMSTANCE DOES THIS PERFORMANCE EVALUATION GUARANTEE, IMPLY, OR STATE PERFORMANCE OF THE UNIT IS MAINTAINED DURING OR AFTER A DESIGN EVENT.
- 3. DESIGN & CERTIFICATION OF THE UNIT CABINETRY IS APPROVED THROUGH TEST REPORT DESIGN & CERTIFICATION OF THE UNIT CABINETRY IS APPROVED THROUGH TEST REPORT #0922.01-23 BY AMERICAN TEST LAB OF SOUTH FLORIDA (ATLSF). PRESSURE VALUES IN THIS APPROVAL ARE (ASD) ALLOWABLE DESIGN PRESSURES UNLESS NOTED OTHERWISE. DESIGN PRESSURES NOTED HEREIN ARE BASED ON MAXIMUM TESTED PRESSURES DIVIDED BY A 1.5 SAFETY FACTOR FOR AT-GRADE APPLICATIONS AND BY A 2.0 SAFETY FACTOR FOR ROOFTOP APPLICATIONS FOR STATIC WIND LOADS.
- ALL UNITS WITH MAXIMUM DIMENSIONS, MINIMUM WEIGHT, AND MINIMUM MATERIAL STRENGTH, THICKNESS, AND FASTENERS SHOWN HEREIN ARE COVERED UNDER THIS NOA. 4.
- ALL MECHANICAL SPECIFICATIONS (CLEAR SPACE, TONNAGE, ETC.) SHALL BE AS PER 5. MANUFACTURER RECOMMENDATIONS AND ARE THE EXPRESS RESPONSIBILITY OF THE CONTRACTOR.
- EXTERIOR PANELS, UNIT BASE, AND INTEGRATED FEET/LEGS SHALL BE CONSTRUCTED OF MINIMUM VIELD STRENGTH (Fymin) = 36 ksi (250 MPa) MIN. GALV. STEEL. EXTERIOR PANELS SHALL BE 22 GA MIN. THICK. UNIT BASE AND INTEGRATED FEET/LEGS SHALL BE 20 GA MIN. THICK. EXTERIOR PANELS SHALL BE SECURED WITH #8 (0.164") MIN. Ø, SAE GR. 2 MIN. OR SS SHEET METAL SCREWS. CONTACT RHEEM SALES COMPANY FOR FURTHER UNIT CONSTRUCTION INFORMATION
- FOR INSTANCES HEREIN WHICH LIST MATERIAL SPECIFICATIONS AS "[MATERIAL TYPE] OF STRONGER" - U.N.O. HEREIN, THE TERM "STRONGER" REFERS TO A MATERIAL WITH A YIELD STRENGTH (Fymin) VALUE EQUAL TO OR GREATER THAN THE Fymin VALUE OF THE STATED MATERIAL TYPE, CONSULT APPROPRIATE LITERATURE FOR ESTABLISHED MATERIAL Fymin VALUES
- EQUIVALENT STEEL GAUGE THICKNESSES AS USED IN THIS EVALUATION, U.N.O., ARE AS FOLLOWS: 22 GA (0.030"), 20 GA (0.036"), 18 GA (0.048"), 16 GA (0.060"), 14 GA (0.075"), 12 GA (0.098")
- UNLESS NOTED OTHERWISE, ALL SHEET METAL SCREWS SPECIFIED HEREIN SHALL BE #10 (0.190") 9 MIN. Ø SHEET METAL SCREWS (16 MIN. THREADS PER INCH), SAE GR. 2 MIN. OR STAINLESS STEEL PROVIDE (5) PITCHES MINIMUM PAST THE THREAD PLANE FOR ALL SHEET METAL SCREWS.
- UNLESS NOTED OTHERWISE, ALL THRU-BOLTS SPECIFIED HEREIN SHALL BE SAE GR. 5 MIN. OR STRONGER. THE TERM "THRU-BOLT" OR THROUGH BOLT, IF USED HEREIN, REFERS TO A BOLT PASSING THROUGH THE MEMBER(S) IN CONTACT AND IS FASTENED BY A NUT AT THE END OPPOSITE 10. THE SCREW HEAD. NUT SHALL BE EQUIVALENT TO OR EXCEED THE STRENGTH OF THE BOLT U.N.O. UTILIZE SAE GRADE WASHERS & NUTS. NUT SHALL BE SIZED TO ACCOMMODATE THE SAME NOMINAL DIAMETER AS THE BOLT U.N.O. SEE SAMPLE THRU-BOLT DETAIL HEREIN.
- 11. FOR ALL FASTENERS ATTACHING TO STEEL: U.N.O. HEREIN, PROVIDE 3xDIAMETER MIN. SPACING FROM NEIGHBORING FASTENERS AND 1.5xDIAMETER MIN. EDGE DISTANCE TO ANY EDGES OF THE MEMBER(S) IN CONTACT.
- FOR ALL FASTENERS ATTACHING TO ALUMINUM: U.N.O. HEREIN, PROVIDE 2.5×DIAMETER MIN SPACING FROM NEIGHBORING FASTENERS AND 1.5xDIAMETER MIN. EDGE DISTANCE TO ANY EDGES OF THE MEMBER(S) IN CONTACT.
- FOR ALL FASTENERS ATTACHING TO ALUMINUM AND STEEL: U.N.O. HEREIN, PROVIDE 3×DIAMETER MIN. SPACING FROM NEIGHBORING FASTENERS AND 1.5×DIAMETER MIN. EDGE DISTANCE TO ANY 13. EDGES OF THE MEMBER(S) IN CONTACT.
- 14. ALL FASTENERS SHALL HAVE APPROPRIATE CORROSION PROTECTION TO PREVENT ELECTROLYSIS. REFER TO FASTENER MANUFACTURER'S PUBLISHED DATA SHEETS AND RECOMMENDATIONS FOR FASTENER INSTALLATION INSTRUCTIONS.
- 15. ALUMINUM SUPPORT ANGLES SPECIFIED HEREIN SHALL BE 6061-T6 ALUMINUM ONLY. CONNECTIONS TO THE HOST STRUCTURE (BY OTHERS) CONSIDER THE MIN. HOST STRUCTURE SPECIFICATIONS LISTED IN THE TIE-DOWN SCHEDULE HEREIN. PERFORMANCE OF THE SUPPORT ANGLE AS A JRAL MEMBER TO SUPPORT THE UNIT ASSEMBLY SHALL BE PER SEPARATE CERTIFICATION.
- THE CONTRACTOR IS RESPONSIBLE TO INSULATE ALL MEMBERS FROM DISSIMILAR MATERIALS TO 16. PREVENT ELECTROLYSIS
- 17. ELECTRICAL GROUND, WHEN REOUIRED, TO BE DESIGNED & INSTALLED BY OTHERS.
- THE ARCHITECT/ENGINEER OF RECORD FOR THE PROJECT SUPERSTRUCTURE WITH WHICH THIS DESIGN IS USED SHALL BE RESPONSIBLE FOR THE INTEGRITY OF ALL SUPPORTING SURFACES TO THIS DESIGN WHICH SHALL BE COORDINATED BY THE PERMITTING CONTRACTOR. PERFORMANCE OF THE HOST STRUCTURE TO SUPPORT THE UNIT ASSEMBLY SHALL BE PER SEPARATE CERTIFICATION OR BY OTHERS

# **GENERAL NOTES:**

- CONJUNCTION WITH THIS DOCUMENT.
- 20. THE INSTALLING CONTRACTOR.
- EVALUATION
- OTHER SUCH DAMAGE AT ALL TIMES
- 23. UNITS SHALL BE LABELED IN ACCORDANCE WITH MIAMI-DADE REQUIREMENTS.
- 24. FOR BY LOCAL, STATE & FEDERAL CODES & FROM DEVIATIONS OF THIS PLAN.
- 25.
- 26.
- OR CYCLIC WIND REQUIREMENTS UNLESS SPECIFICALLY STATED HEREIN.
- 28. INVALIDATE THIS CERTIFICATION
- NTENDED

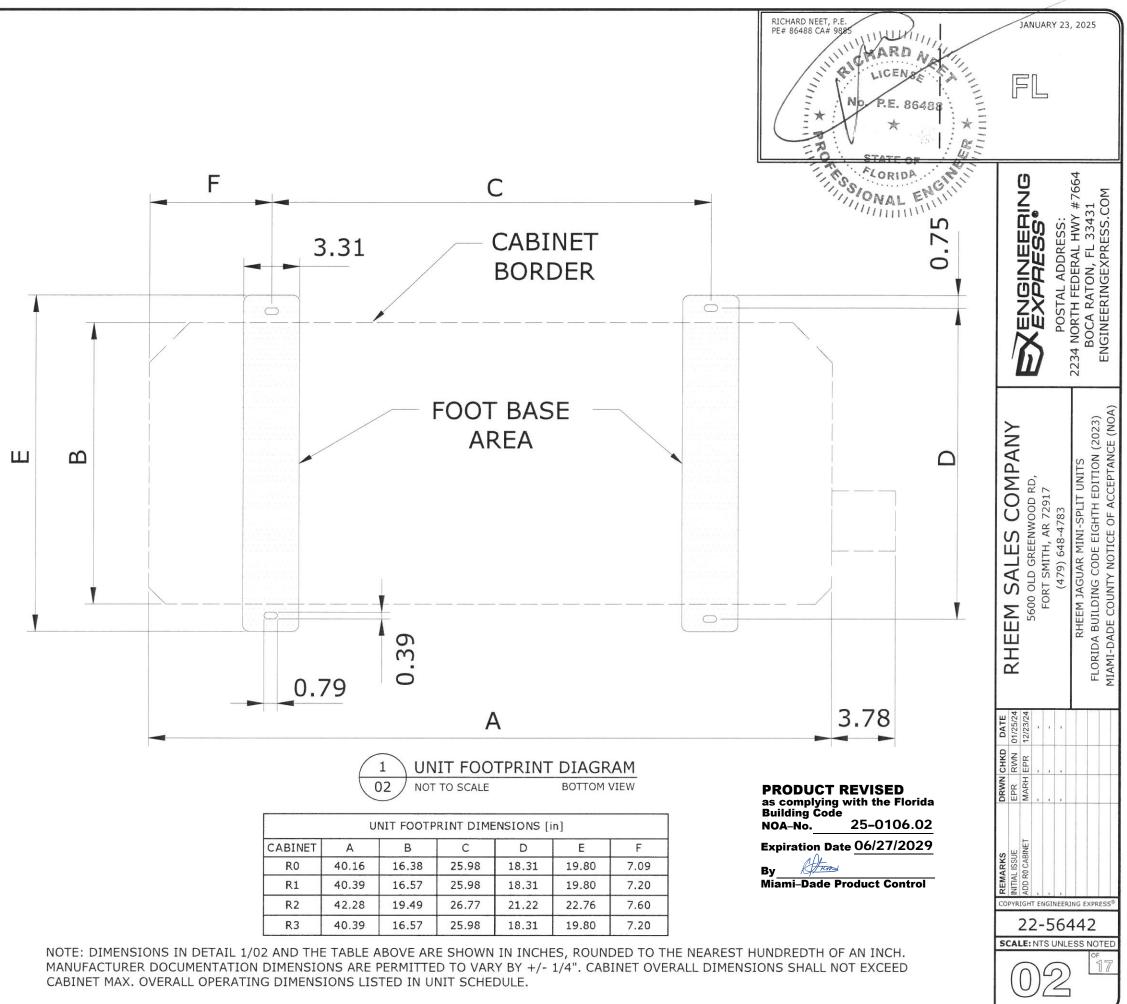


# **CABINET INFORMATION:**

	UNIT SCHEDULE							
	CABINET GROUP	CABIN OPERAT	MIN. WEIGHT					
		WIDTH	DEPTH	HEIGHT	[lb]			
R	0	40.2	16.4	31.7	125			
R	.1	40.4	16.6	36.6	125			
R	.2	42.3	19.5	46.4	170			
R	3	40.4	16.6	58.0	260			

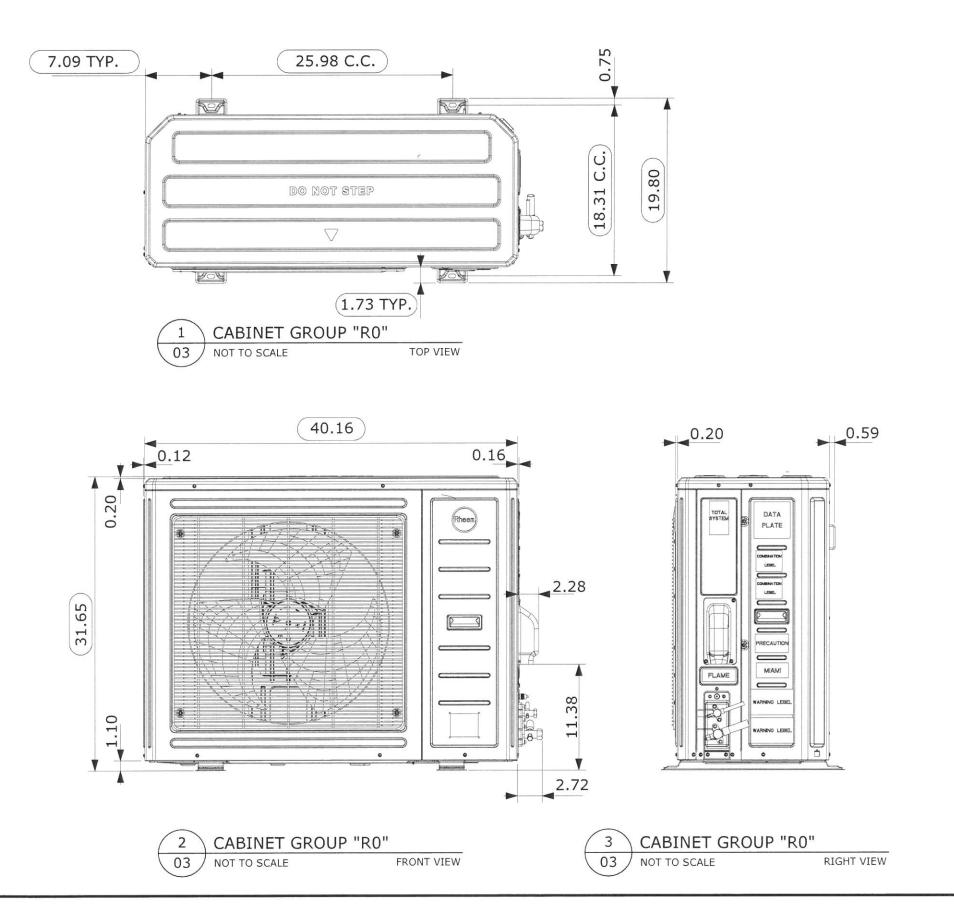
#### UNIT SCHEDULE NOTES:

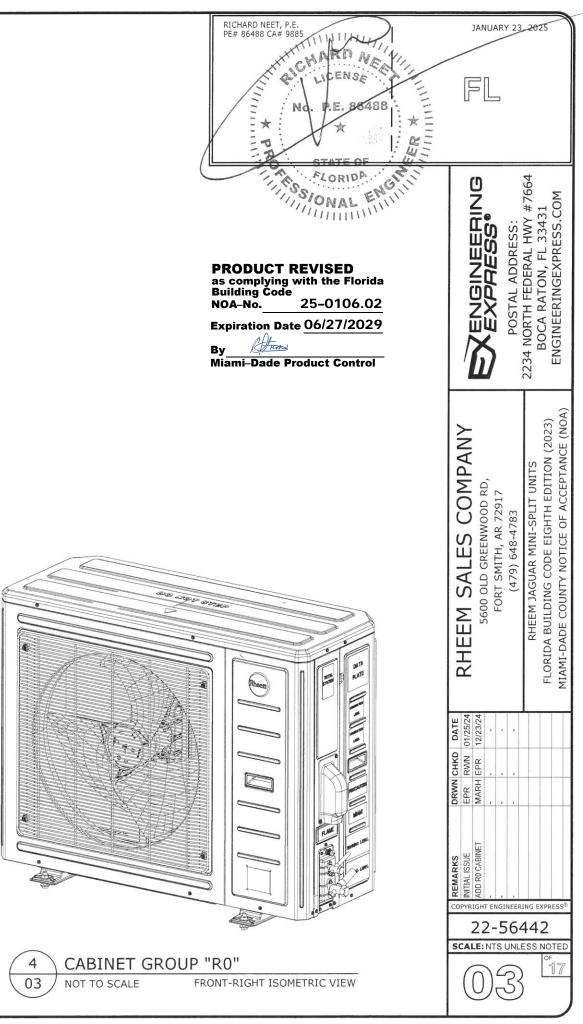
- THE UNIT INFORMATION LISTED HEREIN IS BASED ON INFORMATION PROVIDED BY THE 1. MANUFACTURER.
- CABINET GROUPS (ABBREVIATED AS "CAB. 2. GROUPS" OR "CAB." HEREIN AS NEEDED) ARE DESIGNATED BY ENGINEERING EXPRESS BASED ON THE UNIT CABINET DESIGN/SIZE AND EXTERIOR PANEL LAYOUT.
- UNIT DIMENSIONS LISTED ABOVE ARE 3. MAXIMUM UNIT NET/OPERATING DIMENSIONS (AS OPPOSED TO GROSS/PACKING/SHIPPING DIMENSIONS). UNIT DIMENSIONS ARE ROUNDED TO THE NEAREST TENTH OF AN INCH.
- UNIT WEIGHTS LISTED ABOVE ARE MINIMUM 4. UNIT NET/OPERATING WEIGHTS (AS OPPOSED TO GROSS/PACKING/SHIPPING WEIGHTS).
- SEE THE FOLLOWING PAGES FOR DEFINITIONS 5. OF UNIT DIMENSIONS AND CABINET GROUPS AND DRAWINGS OF EACH CABINET GROUP. UNIT APPEARANCE MAY VARY.
- PLEASE CONTACT THE MANUFACTURER FOR 6. FURTHER UNIT CONSTRUCTION INFORMATION.



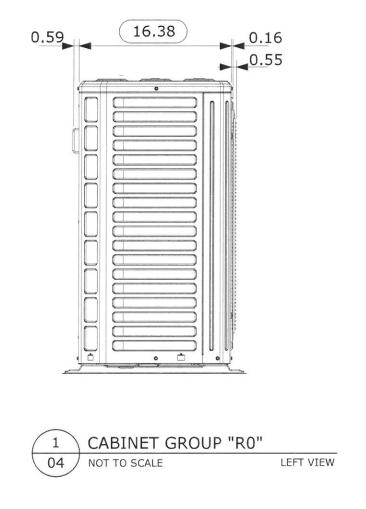
UNIT FOOTPRINT DIMENSIONS [in]						
CABINET	A	В	С	D	E	F
RO	40.16	16.38	25.98	18.31	19.80	7.09
R1	40.39	16.57	25.98	18.31	19.80	7.20
R2	42.28	19.49	26.77	21.22	22.76	7.60
R3	40.39	16.57	25.98	18.31	19.80	7.20

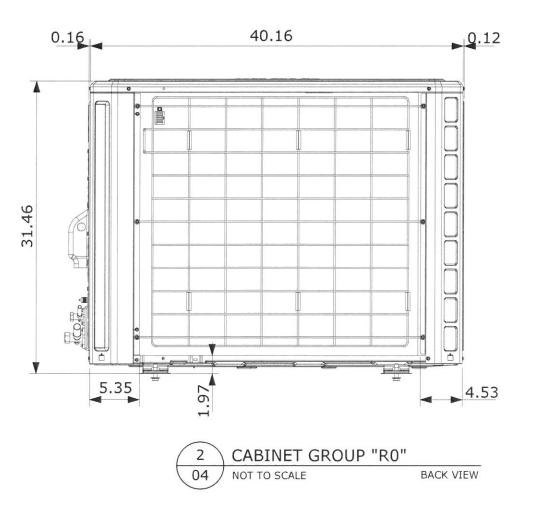
# **CABINET GROUP "R0":**

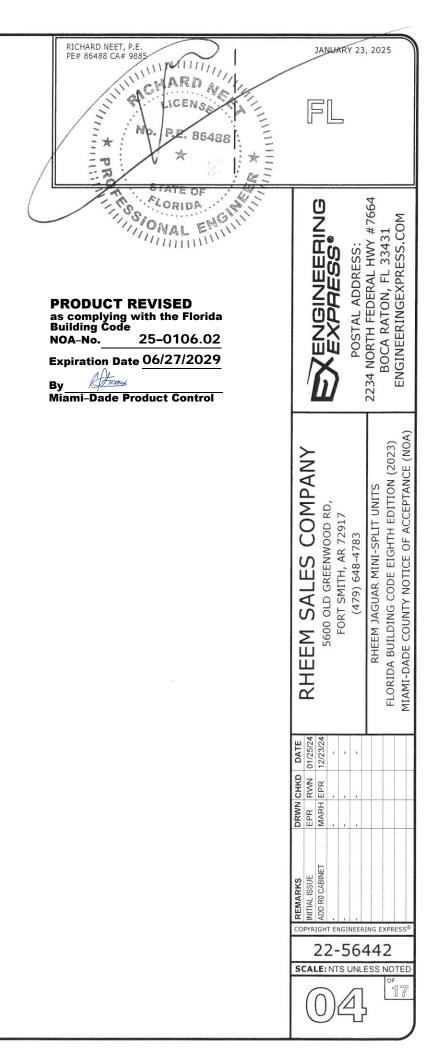




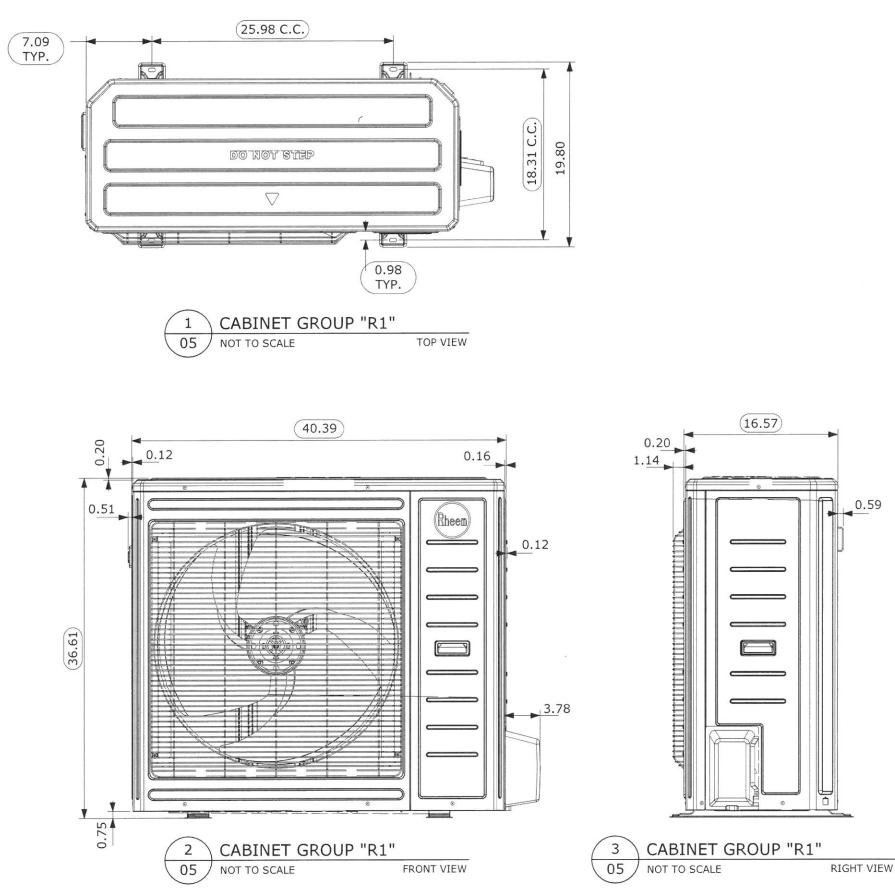
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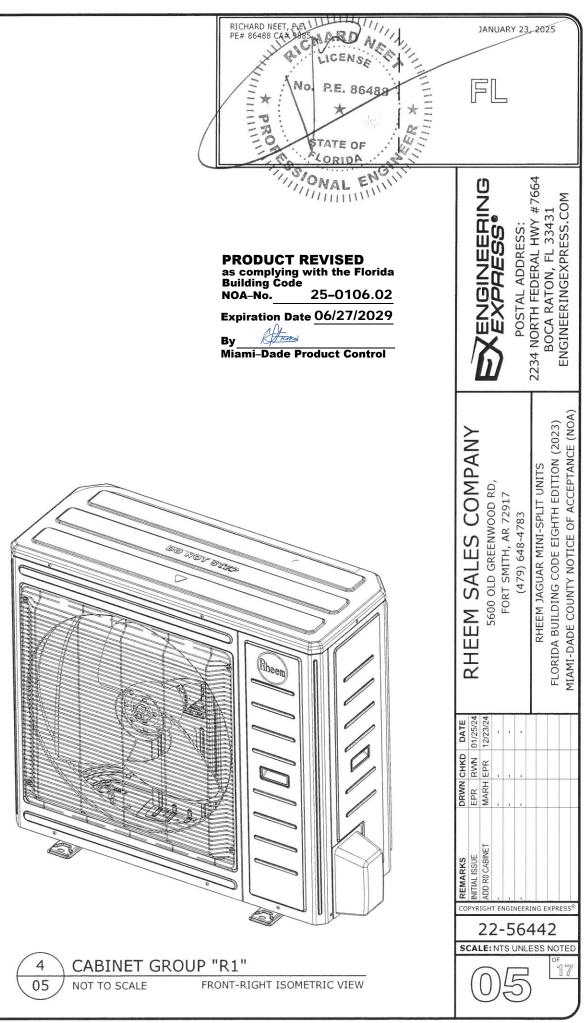






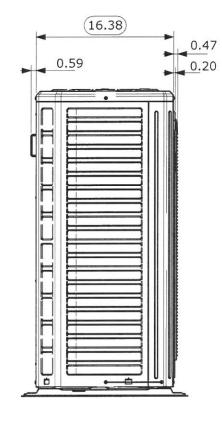
# **CABINET GROUP "R1":**



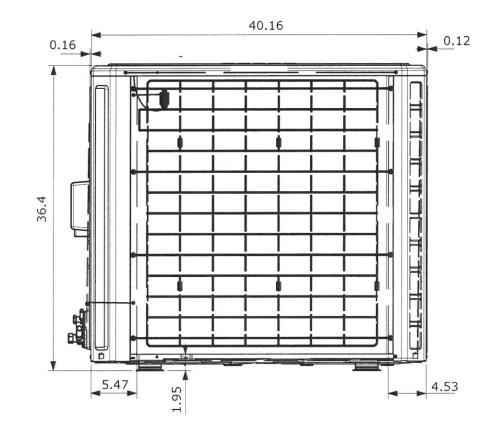




# **CABINET GROUP "R1":**





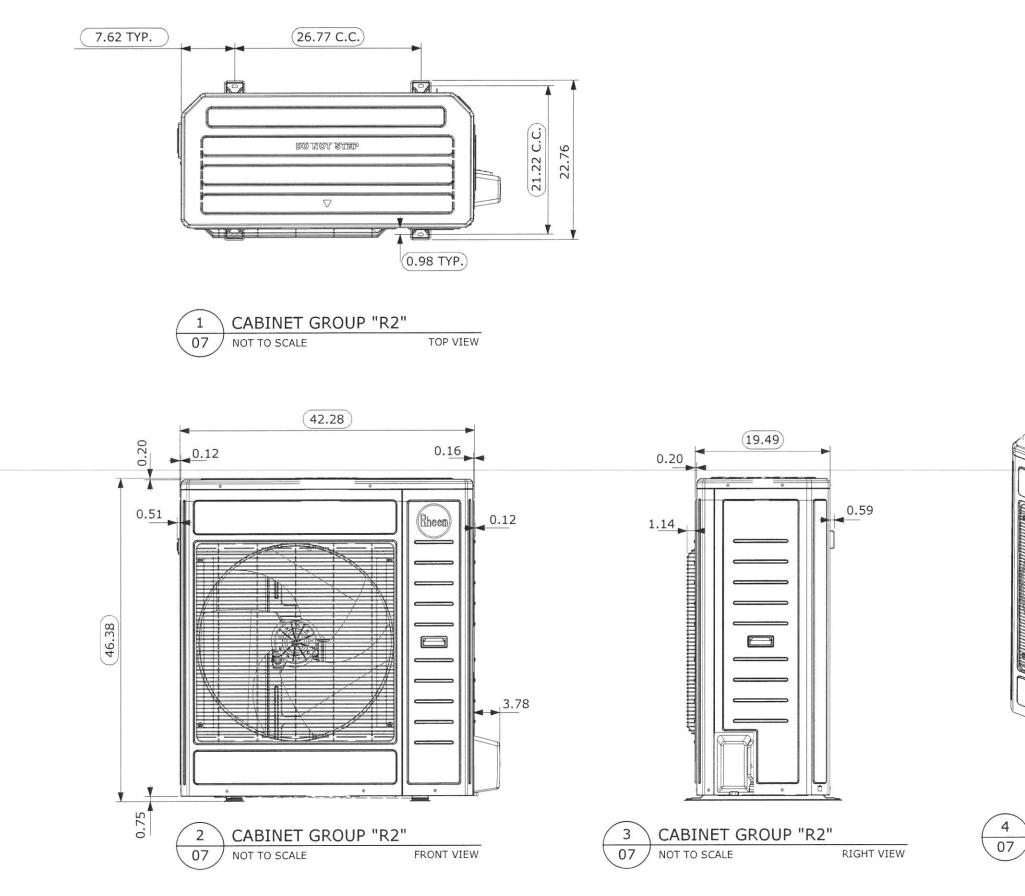


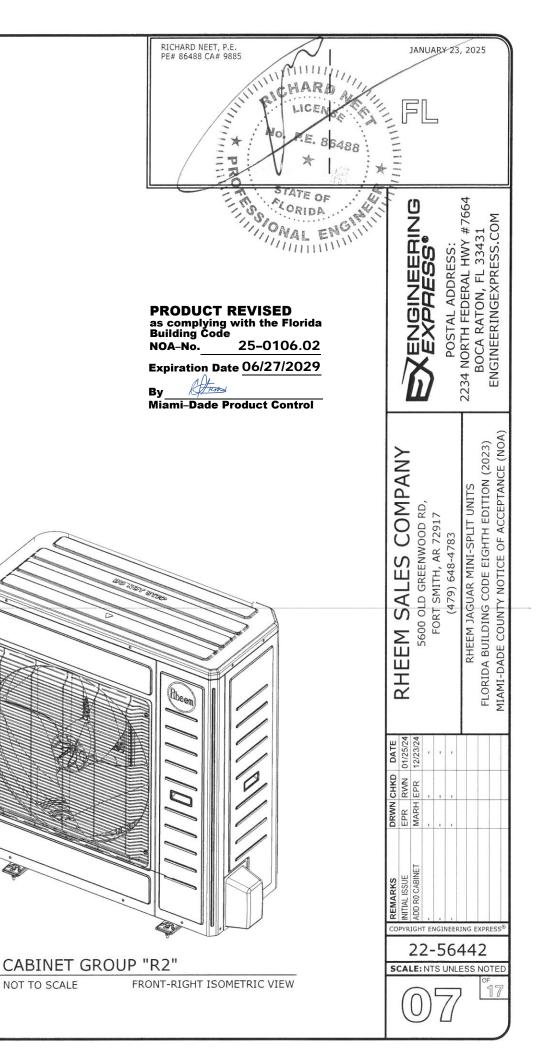




# **CABINET GROUP "R2":**

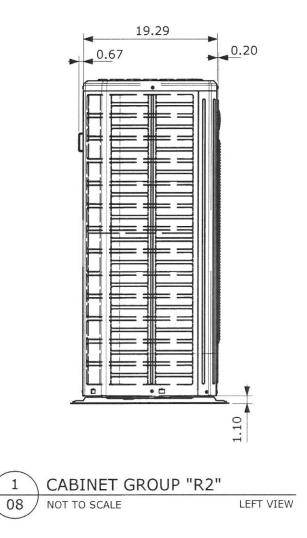
NOTE: DIMENSIONS LISTED ON THIS PAGE ARE IN INCHES, ROUNDED TO THE NEAREST HUNDREDTH OF AN INCH. MANUFACTURER DOCUMENTATION DIMENSIONS ARE PERMITTED TO VARY BY +/- 1/4". CABINET OVERALL DIMENSIONS SHALL NOT EXCEED CABINET MAX. OVERALL OPERATING DIMENSIONS LISTED IN UNIT SCHEDULE.

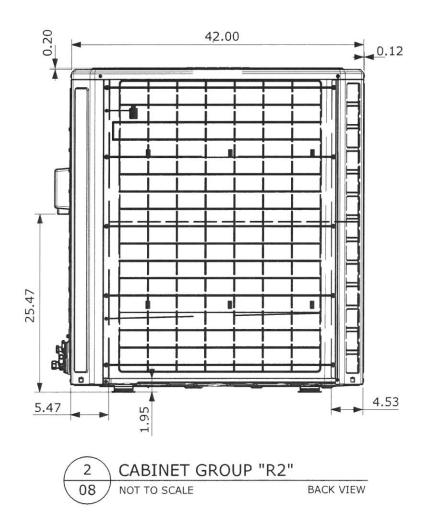




NOT TO SCALE

# **CABINET GROUP "R2":**

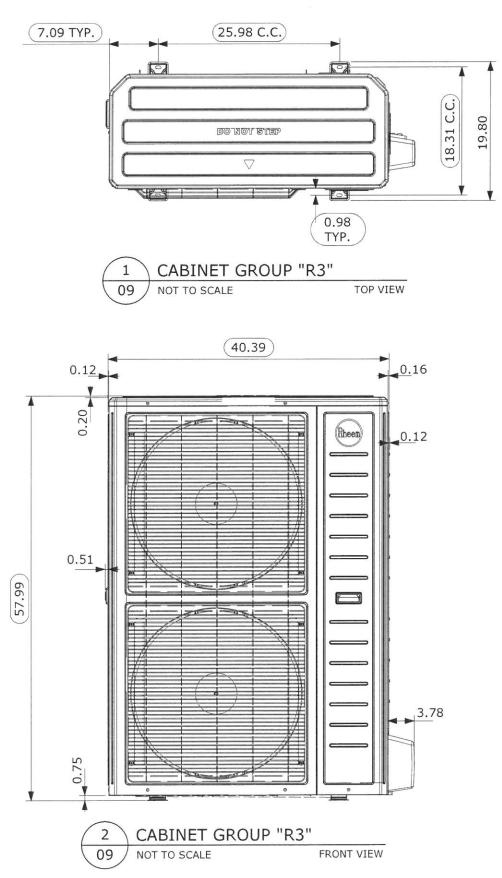


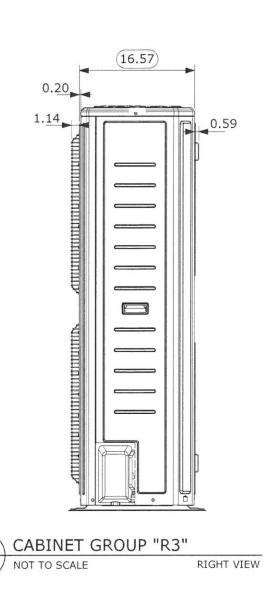




# **CABINET GROUP "R3":**

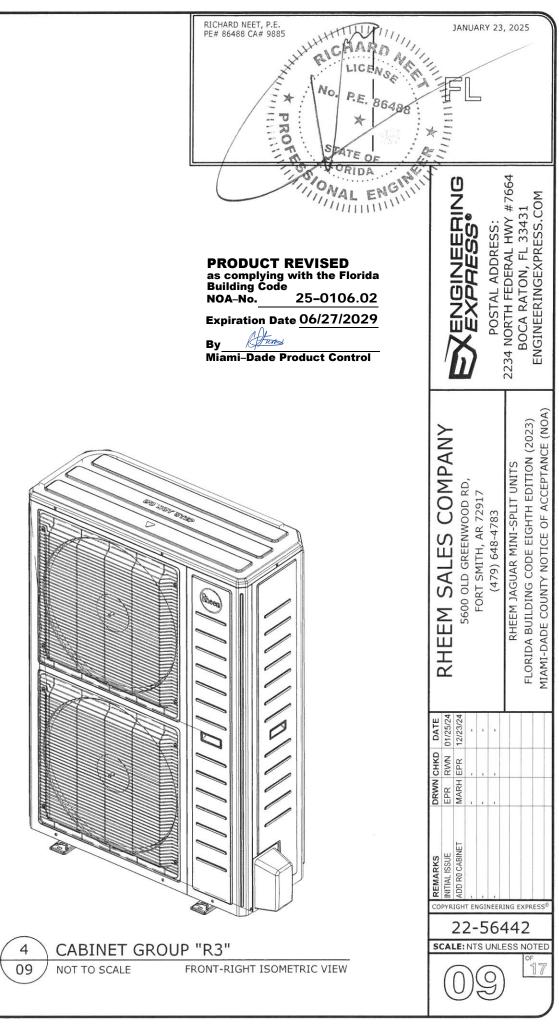
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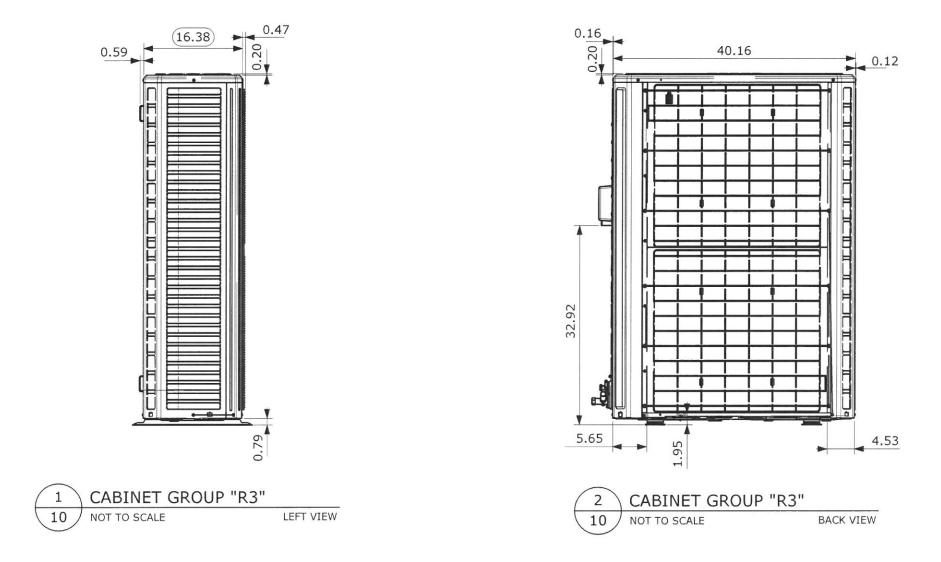


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# **CABINET GROUP "R3":**



111111111 RICHARD NEET P.E. ARD NE PE# 86488 CA# 900 LICENSE No. P.E. 86488 JANUARY 23, 2025 111111 No. P.E. 86488 FL al Ches TRIDA ONAL POSTAL ADDRESS: 2234 NORTH FEDERAL HWY #7664 BOCA RATON, FL 33431 ENGINEERINGEXPRESS.COM EXPRESS. PRODUCT REVISEDas complying with the FloridaBuilding CodeNOA-No.25-0106.02 Expiration Date 06/27/2029 Atros Ву Miami-Dade Product Control RHEEM JAGUAR MINI-SPLIT UNITS FLORIDA BUILDING CODE EIGHTH EDITION (2023) MIAMI-DADE COUNTY NOTICE OF ACCEPTANCE (NOA) RHEEM SALES COMPANY 5600 OLD GREENWOOD RD, FORT SMITH, AR 72917 (479) 648-4783 DATE 01/25/24 12/23/24 CHKD RWN EPR DRWN EPR MARH PYRIGHT ENGINEERING EXPRES 22-56442 SCALE: NTS UNLESS NOTE Ĺ (0)

# **TIE-DOWN SCHEDULE:**

CABINET	INSTALL. COND.	MAX. ASD DESIGN WIND PRESSURES LATERAL (UPLIFT)	ANCHOR SCHE				
			f'c = 3 ksi MIN. REGULAR-WEIGHT CONCRETE HOST	12 GA MIN. THICK UTS = 58 ksi MIN. GALV. STEEL HOST	0.090" MIN. THICK 6061-T6 ALUMINUM HOST	# OF TIE-DOWN CLIPS	# OF TIE-DOWN STRAPS
R0 & R1	GROUND	54 psf (0 psf)	A	N/A	N/A	0	0
	ROOF	140 psf (111 psf)	N/A	B & C	B & C	8	4
R2	GROUND	54 psf (0 psf)	A	N/A	N/A	0	0
	ROOF	140 psf (111 psf)	N/A	B & C	B & C	8	4
R3	GROUND	54 psf (0 psf)	А	N/A	N/A	8	0
	ROOF	140 psf (111 psf)	N/A	B&C	B & C	8	10

# TIE-DOWN SCHEDULE NOTES (CONTINUED NEXT PAGE):

- 1. TIE-DOWN SCHEDULE DIRECTIVE: THE TIE-DOWN SCHEDULE TABLE ABOVE GIVES THE TIE-DOWN SPECIFICATIONS FOR EACH INSTALLATION SCENARIO (BASED ON THE CABINET GROUP AND INSTALLATION CONDITION). ENSURE THE HOST STRUCTURE BY OTHERS MEETS THE MINIMUM SPECIFICATIONS LISTED. THE UNIT INSTALLATION SITE-SPECIFIC ASD WIND PRESSURES SHALL BE EQUAL TO OR BELOW THE LISTED MAXIMUM ASD WIND PRESSURES FOR THE RESPECTIVE CONDITION. SEE TIE-DOWN SPECIFICATIONS AND DETAILS HEREIN. CONTACT ENGINEERING EXPRESS FOR SITE SCENARIOS OUTSIDE THE BOUNDS OF THIS NOA.
- 2. ANCHOR SCHEDULE NOTES: ANCHOR SHALL BE SELECTED PER THE TIE-DOWN SCHEDULE TABLE ABOVE. UTILIZE (1) ANCHOR PER UNIT FOOT MOUNTING HOLE/SLOT, (4) MOUNTING HOLES/SLOTS PER UNIT. ALSO, UTILIZE (1) ANCHOR PER TIE-DOWN CLIP. (FOR SCENARIOS IN WHICH TIE-DOWN CLIPS ARE REQUIRED). POSITION ANCHORS ON-CENTER OF THE MOUNTING HOLE/SLOT. ANCHOR SPECIFICATIONS AS REPRESENTED IN THE TIE-DOWN SCHEDULE ARE AS FOLLOWS:

A: ANCHORS TO CONCRETE HOSTS (UNIT INTEGRATED FEET & TIE-DOWN CLIPS (IF APPLICABLE):

1/4" Ø DEWALT ULTRACON SS4 OR EQUIVALENT WITH 1-3/4" EMBEDMENT, 3" MIN. EDGE DISTANCE TO ANY EDGE OF THE CONCRETE, AND 3" MIN. SPACING FROM NEIGHBORING CONCRETE ANCHORS, TYP. USE (1) 1" MIN. OD FENDER WASHER SIZED FOR 1/4" Ø ANCHORS UNDER EACH ANCHOR HEAD, TYP.

B: ANCHORS TO ALUMINUM/STEEL HOST MEMBERS FOR UNIT INTEGRATED FEET:

3/8" Ø SAE GR. 5 OR STRONGER THRU-BOLT WITH 1" MIN. OD FENDER WASHERS SIZED FOR 3/8" Ø BOLTS TOP AND BOTTOM AND LOCKING NUT, TYP. PROVIDE 3/4" MIN. EDGE DISTANCE TO ANY EDGE OF THE HOST STRUCTURE OR SUPPORT ANGLE AND 1-1/4" MIN. SPACING FROM NEIGHBORING THRU-BOLTS, TYP. (NOTE: WASHERS MAY BE CUT-OFF TO AVOID INTERFERENCE WITH HOST I-BEAM WEBS AS NEEDED).

C: ANCHORS TO ALUMINUM/STEEL HOST MEMBERS FOR TIE-DOWN CLIPS (IF APPLICABLE):

1/4" Ø SAE GR. 5 OR STRONGER THRU-BOLT WITH 1" MIN. OD FENDER WASHERS SIZED FOR 1/4" Ø BOLTS TOP AND BOTTOM AND LOCKING NUT, TYP. PROVIDE 3/4" MIN. EDGE DISTANCE TO ANY EDGE OF THE HOST STRUCTURE OR SUPPORT ANGLE AND 1" MIN. SPACING FROM NEIGHBORING THRU-BOLTS, TYP.

N/A: NOT APPLICABLE.

# **PRODUCT REVISED** as complying with the Florida Building Code

25-0106.02 NOA-No. Expiration Date 06/27/2029

Atum Miami-Dade Product Control

# 3. TIE-DOWN CLIP NOTES:

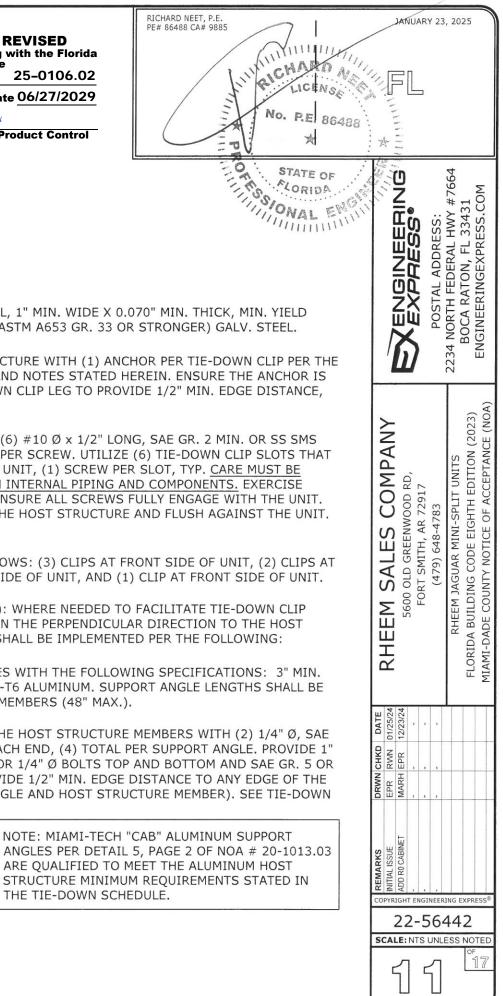
3.1. TIE-DOWN CLIPS SHALL BE 10" MIN. TALL, 1" MIN. WIDE X 0.070" MIN. THICK, MIN. YIELD STRENGTH (Fymin) = 33 ksi (EQUIV. TO ASTM A653 GR. 33 OR STRONGER) GALV. STEEL.

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- 3.2. FASTEN TIE-DOWN CLIPS TO HOST STRUCTURE WITH (1) ANCHOR PER TIE-DOWN CLIP PER THE "ANCHOR SCHEDULE" SPECIFICATIONS AND NOTES STATED HEREIN. ENSURE THE ANCHOR IS PLACED AT THE CENTER OF THE TIE-DOWN CLIP LEG TO PROVIDE 1/2" MIN. EDGE DISTANCE, TYP.
- 3.3. FASTEN TIE-DOWN CLIPS TO UNIT WITH (6) #10 Ø x 1/2" LONG, SAE GR. 2 MIN. OR SS SMS AND 0.040" NOMINAL OD WASHERS, (1) PER SCREW. UTILIZE (6) TIE-DOWN CLIP SLOTS THAT HAVE FLUSH, SOLID CONTACT WITH THE UNIT, (1) SCREW PER SLOT, TYP. CARE MUST BE TAKEN TO AVOID SCREW CONTACT WITH INTERNAL PIPING AND COMPONENTS. EXERCISE CAUTION WITH SCREW INSTALLATION. ENSURE ALL SCREWS FULLY ENGAGE WITH THE UNIT. TIE-DOWN CLIPS SHALL SIT FLUSH ON THE HOST STRUCTURE AND FLUSH AGAINST THE UNIT. SEE TIE-DOWN DETAILS HEREIN.
- 3.4. POSITION THE TIE-DOWN CLIPS AS FOLLOWS: (3) CLIPS AT FRONT SIDE OF UNIT, (2) CLIPS AT BACK SIDE OF UNIT, (2) CLIPS AT LEFT SIDE OF UNIT, AND (1) CLIP AT FRONT SIDE OF UNIT.
- 3.5. (ALUMINUM & STEEL HOST STRUCTURES): WHERE NEEDED TO FACILITATE TIE-DOWN CLIP PLACEMENT: ADD (2) SUPPORT ANGLES IN THE PERPENDICULAR DIRECTION TO THE HOST MEMBER DIRECTION. SUPPORT ANGLES SHALL BE IMPLEMENTED PER THE FOLLOWING:
- 3.5.1. SUPPORT ANGLES SHALL BE L-ANGLES WITH THE FOLLOWING SPECIFICATIONS: 3" MIN. WIDE LEGS X 1/8" MIN. THICK, 6061-T6 ALUMINUM. SUPPORT ANGLE LENGTHS SHALL BE SIZED TO FIT ON TOP OF THE HOST MEMBERS (48" MAX.).
- 3.5.2. ATTACH EACH SUPPORT ANGLE TO THE HOST STRUCTURE MEMBERS WITH (2) 1/4" Ø, SAE GR. 5 OR STRONGER THRU-BOLTS EACH END, (4) TOTAL PER SUPPORT ANGLE. PROVIDE 1" MIN. OD FENDER WASHERS SIZED FOR 1/4" Ø BOLTS TOP AND BOTTOM AND SAE GR. 5 OR STRONGER LOCKING NUT, TYP. PROVIDE 1/2" MIN. EDGE DISTANCE TO ANY EDGE OF THE MEMBERS IN CONTACT (SUPPORT ANGLE AND HOST STRUCTURE MEMBER). SEE TIE-DOWN DETAILS HEREIN.

SEE TIE-DOWN STRAP NOTES NEXT PAGE.

THE TIE-DOWN SCHEDULE.



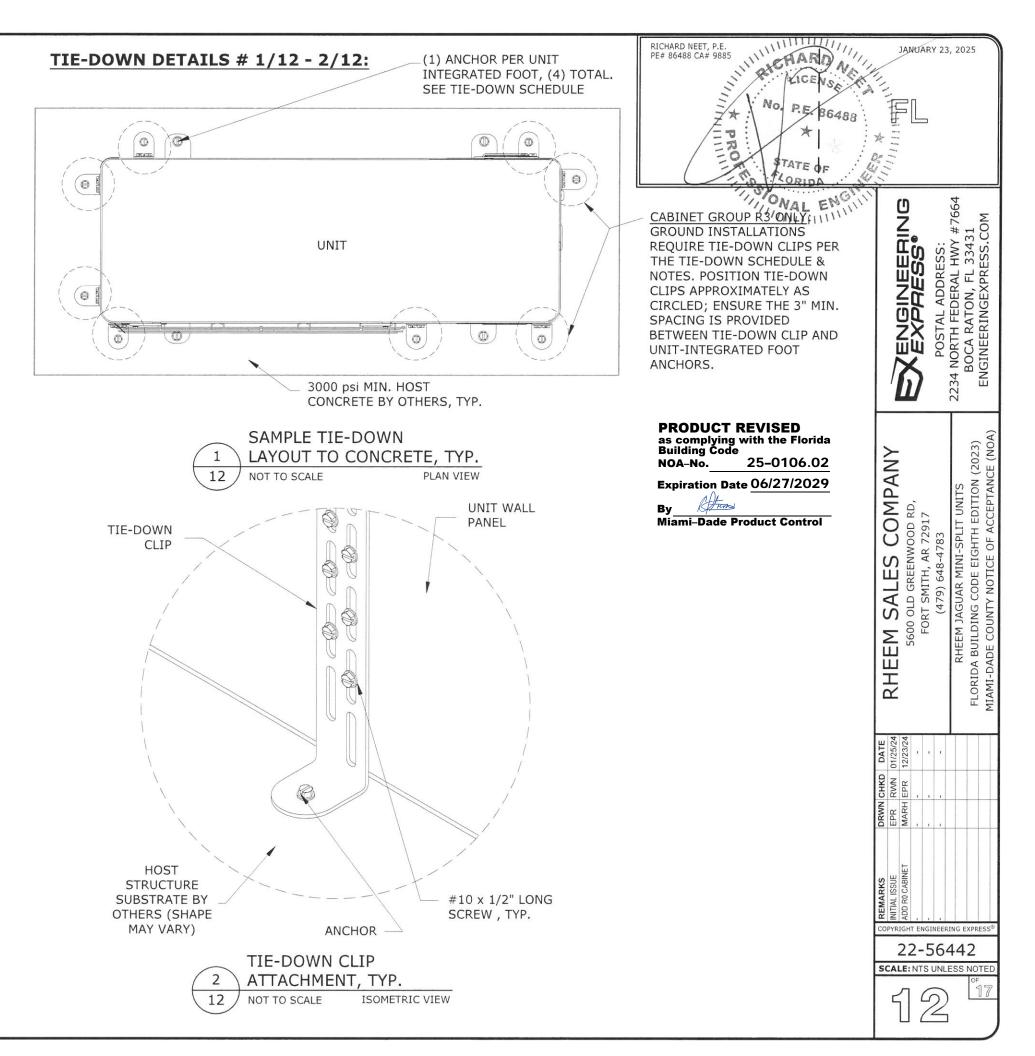
# **TIE-DOWN SCHEDULE NOTES (CONTINUED NEXT PAGE):**

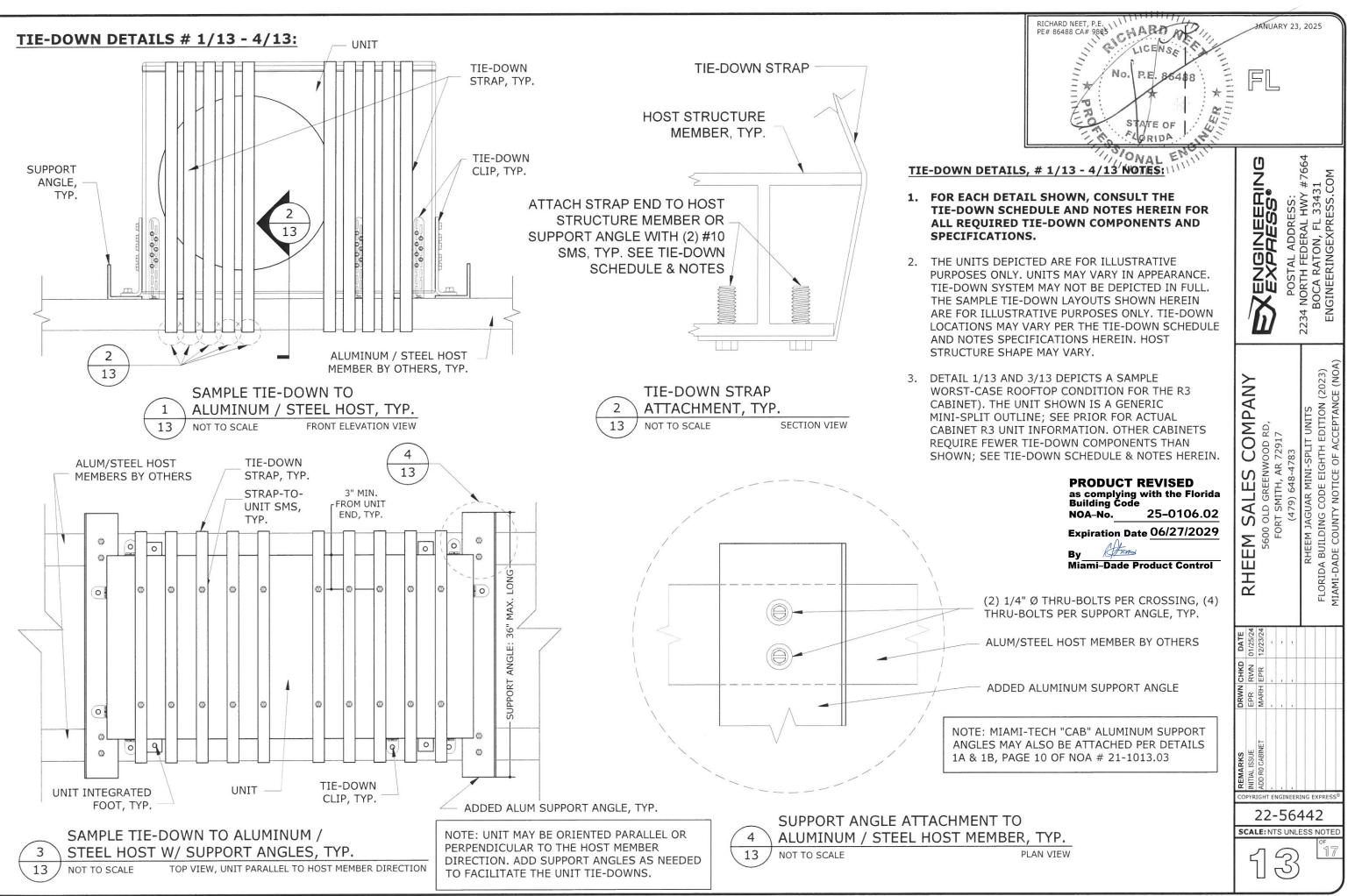
#### 4. TIE-DOWN STRAP NOTES:

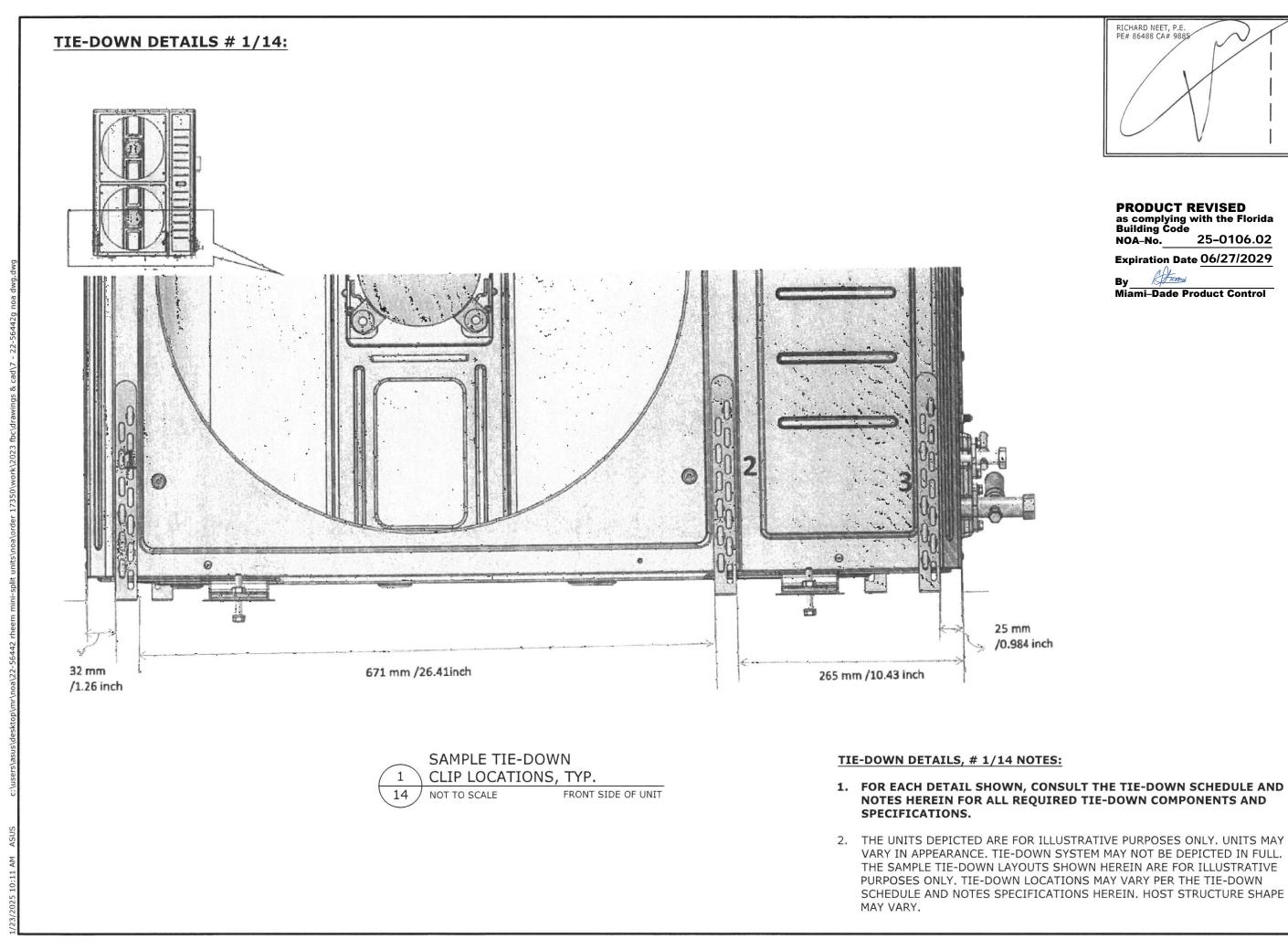
- 4.1. TIE-DOWN STRAPS ARE APPLICABLE ONLY FOR ROOFTOP TESTING CONDITIONS.
- 4.2. TIE-DOWN STRAPS SHALL BE 1" MIN. WIDE X 22 GA MIN. THICK, MIN. YIELD STRENGTH (Fymin) = 33 ksi MIN. (EQUIV. TO ASTM A653 GR. 33 OR STRONGER) GALV. STEEL. WRAP EACH TIE-DOWN STRAP OVER THE LONG SIDES AND TOP OF THE UNIT AND ATTACH EACH STRAP END TO THE ALUMINUM OR STEEL HOST STRUCTURE MEMBERS. POSITION STRAPS 3" MIN. AWAY FROM THE UNIT SHORT SIDE EDGES AND PROVIDE 1/2" MIN. SPACING BETWEEN EDGES OF ADJACENT STRAPS, TYP. SEE TIE-DOWN DETAILS HEREIN.
- 4.3. ATTACH EACH STRAP END TO THE HOST STRUCTURE MEMBER WITH (2) #10 Ø x 1/2" LONG, SAE GR. 2 MIN. OR SS SMS WITH 1/2" MIN. SPACING BETWEEN SCREWS AND 1/4" MIN. EDGE DISTANCE TO ANY EDGE OF THE MEMBERS IN CONTACT. IT IS SUGGESTED THAT THE STRAPS ATTACH TO THE UNDERSIDES OF THE HOST STRUCTURE MEMBERS, BUT THE STRAPS ARE PERMITTED TO ATTACH TO ANY HORIZONTAL OR VERTICAL FACE OF THE HOST STRUCTURE SO LONG AS ALL CONDITIONS STATED HEREIN ARE ACHIEVED. SEE TIE-DOWN DETAILS HEREIN.
- 4.4. TO PREVENT STRAP FROM SLIPPING, ALSO ATTACH EACH STRAP TO ROOF OF UNIT WITH (2) #10 x 1/2" LONG, SAE GR. 2 MIN. OR SS SMS WITH 3" MIN. END DISTANCE FROM EDGES OF ROOF AND POSITIONED O.C. OF STRAP, (1) EACH SIDE, TYP. SEE TIE-DOWN DETAILS HEREIN.
- 4.5. TIE-DOWN STRAP LENGTHS SHALL BE DETERMINED BY THE INSTALLING CONTRACTOR. ENSURE STRAP LENGTHS ARE SUCH THAT THE STRAP IS NEITHER EXCESSIVELY TAUT NOR EXCESSIVELY SLACK ONCE INSTALLED. A SECURE FIT SHOULD BE ACHIEVED. NEOPRENE PADS MAY BE PLACED BETWEEN THE UNIT AND STRAP TO PROTECT THE UNIT FORM DAMAGE/DISTORTION.

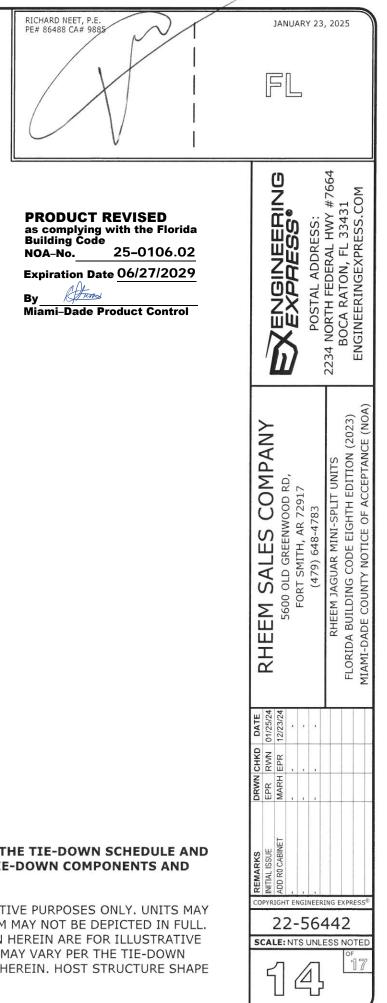
#### TIE-DOWN DETAILS, # 1/12 - 2/12 NOTES:

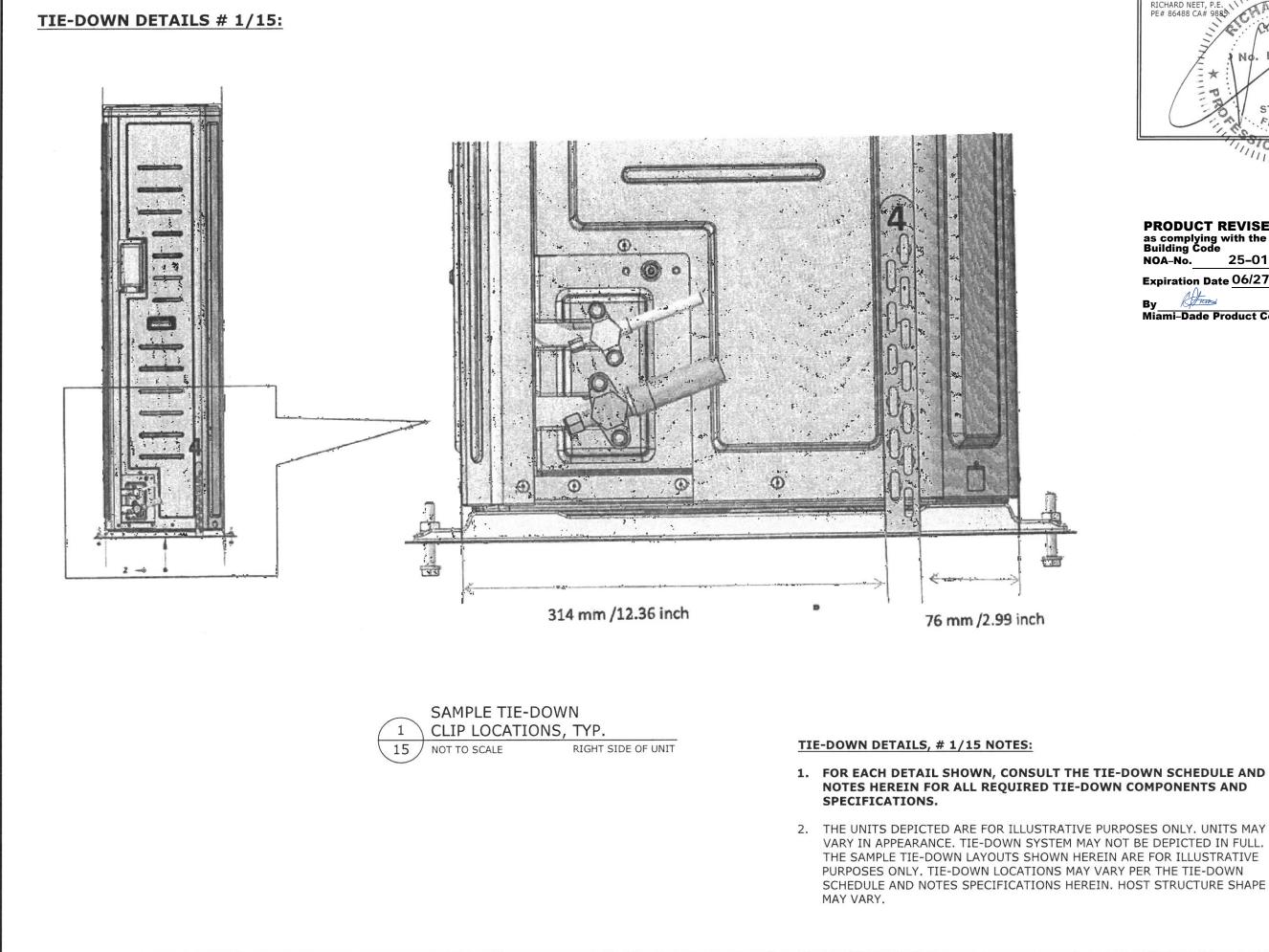
- 1. FOR EACH DETAIL SHOWN, CONSULT THE TIE-DOWN SCHEDULE AND NOTES HEREIN FOR ALL REQUIRED TIE-DOWN COMPONENTS AND SPECIFICATIONS.
- 2. THE UNITS DEPICTED ARE FOR ILLUSTRATIVE PURPOSES ONLY. UNITS MAY VARY IN APPEARANCE. TIE-DOWN SYSTEM MAY NOT BE DEPICTED IN FULL. THE SAMPLE TIE-DOWN LAYOUTS SHOWN HEREIN ARE FOR ILLUSTRATIVE PURPOSES ONLY. TIE-DOWN LOCATIONS MAY VARY PER THE TIE-DOWN SCHEDULE AND NOTES SPECIFICATIONS HEREIN. HOST STRUCTURE SHAPE MAY VARY.





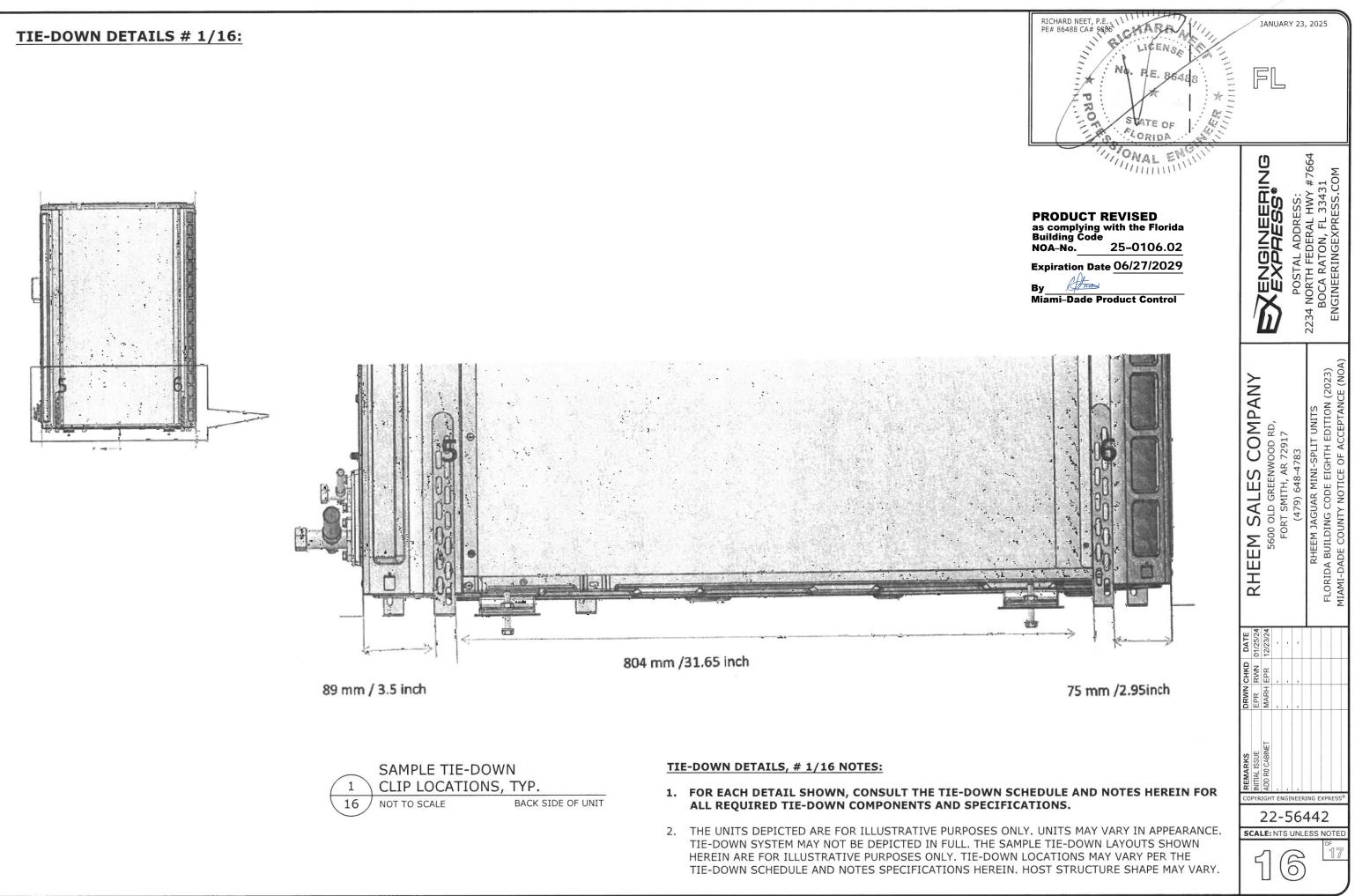












# **TIE-DOWN DETAILS # 1/17:**

