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

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

NOTICE OF ACCEPTANCE (NOA)

Rheem Sales Company, Inc.
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: Mechanical Unit Steel and Aluminum Tie-Down Clips for Grade and Rooftop Applications

APPROVAL DOCUMENT: Drawing No. **23-61456**, titled "Mechanical Unit Cabinetry and Steel/ Aluminum Tie-Down Clips: At Grade and Roof Mounted Applications", sheets 1 through 8 of 8, dated 11/13/2023, prepared by Engineering Express, signed and sealed by Frank L. Bennardo, 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, city, state, model/ series, and 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 # 23-0328.04** and consists of this page 1 and evidence pages E-1, E-2, E-3 and E-4, as well as approval document mentioned above.

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

MIAMI-DADE COUNTY APPROVED

04/24/24

NOA No. 23-1204.05
Expiration Date: February 25, 2026
Approval Date: May 2, 2024

Rheem Sales Company, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under previous NOAs

A. DRAWINGS *"Submitted under NOA # 15-0903.08"*

1. Drawing No. **15-2543GA** and **15-2564RE**, titled "Wind Load Certification of Mechanical Unit Cabinetry and Steel/Aluminum Tie-Down Clips: At Grade and Roof Mounted Applications", sheets 1 through 7 of 7, dated 05/14/2015, revised on 11/20/2015, prepared by Engineering Express, signed and sealed by Frank L. Bennardo, P.E.

B. TESTS *"Submitted under NOA # 15-0903.08"*

1. Test report on Uniform Static Air Pressure Test per FBC, TAS 202-94 along with marked-up drawings and installation diagram of Rheem RA Series Mechanical Units, prepared by American Test Lab of South Florida, Test Report No. **0323.01-15**, dated 05/18/2015, signed and sealed by Stephen W. Warter, P.E.

C. CALCULATIONS *"Submitted under NOA # 15-0903.08"*

1. Anchorage calculations prepared by Engineering Express, dated 11/20/2015, signed and sealed by Frank L. Bennardo, P.E.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENT *"Submitted under NOA # 15-0903.08"*

1. Statement letter of code conformance to the 5th edition (2014) FBC issued by Engineering Express, dated 08/24/2015, signed and sealed by Frank L. Bennardo, P.E.

2. Statement letter of no financial interest issued by Engineering Express, dated 11/20/2015, signed and sealed by Frank L. Bennardo, P.E.

3. Distributor agreement dated 11/12/2015.

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 23-1204.05
Expiration Date: February 25, 2026
Approval Date: May 2, 2024

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. Evidence submitted under NOA # 18-0321.11

A. DRAWINGS

1. Drawing No. **15-2543GA** and **15-2564RE**, titled "Wind Load Certification of Mechanical Unit Cabinetry and Steel/Aluminum Tie-Down Clips: At Grade and Roof Mounted Applications", sheets 1 through 7 of 7, dated 05/14/2015, revised on 01/12/2018, prepared by Engineering Express, signed and sealed by Frank L. Bennardo, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

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 6th Edition (2017) FBC issued by Engineering Express, dated 03/19/2018, signed and sealed by Frank L. Bennardo, P.E.

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 23-1204.05
Expiration Date: February 25, 2026
Approval Date: May 2, 2024

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. Evidence submitted under NOA # 18-0719.07

A. DRAWINGS

1. Drawing No. Drawing No. **15-2543GA** through **15-2543GD** and **15-2564RE**, titled "Wind Load Certification of Mechanical Unit Cabinetry and Steel/ Aluminum Tie-Down Clips: At Grade and Roof Mounted Applications", sheets 1 through 7 of 7, dated 05/14/2015, revised on 01/12/2018, prepared by Engineering Express, signed and sealed by Frank L. Bennardo, P.E. on 07/17/2018.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

2. Models removal request, dated 07/17/2018, signed and sealed by Frank L. Bennardo, P.E.

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 23-1204.05
Expiration Date: February 25, 2026
Approval Date: May 2, 2024

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

4. Evidence submitted under NOA # 20-1102.09 and new

A. DRAWINGS

1. Drawing No. **23-61456**, titled "Mechanical Unit Cabinetry and Steel/ Aluminum Tie-Down Clips: At Grade and Roof Mounted Applications", sheets 1 through 8 of 8, dated 11/13/2023, prepared by Engineering Express, signed and sealed by Frank L. Bennardo, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

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 8th edition (2023) FBC issued by Engineering Express, dated 11/16/2023, signed and sealed by Frank L. Bennardo, P.E.

2. Statement letter of no financial interest issued by Engineering Express, dated 11/16/2023, signed and sealed by Frank L. Bennardo, P.E.

"Submitted under NOA # 20-1102.09"

3. Statement letter of code conformance to the 7th edition (2020) FBC issued by Engineering Express, dated 10/19/2020, signed and sealed by Frank L. Bennardo, P.E.

4. Statement letter of no financial interest issued by Engineering Express, dated 10/19/2020, signed and sealed by Frank L. Bennardo, P.E.

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 23-1204.05
Expiration Date: February 25, 2026
Approval Date: May 2, 2024

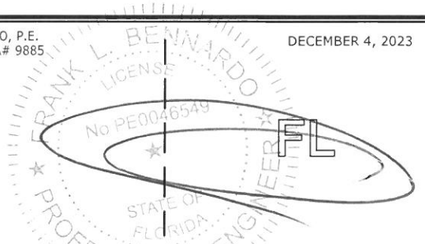
RHEEM SALES COMPANY

MECHANICAL UNIT CABINETRY AND STEEL/ALUMINUM TIE-DOWN CLIPS FOR GRADE AND ROOFTOP APPLICATIONS
NOT RATED FOR 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.

FRANK BENNARDO, P.E.
PE# 0046549 CA# 9885

DECEMBER 4, 2023



NOTE REGARDING USE OF THIS DOCUMENT & USE OUTSIDE FLORIDA:

NON-SITE-SPECIFIC STRUCTURAL PERFORMANCE EVALUATION. THIS PRODUCT EVALUATION IS VALID FOR USE IN **FLORIDA ONLY**. USE OF THIS EVALUATION REQUIRES A REVIEW & CERTIFICATION BY A LOCAL DESIGN PROFESSIONAL WHO SHALL BE RESPONSIBLE FOR THE PROPER ADAPTATION OF THIS GENERAL PERFORMANCE EVALUATION TO ANY SITE-SPECIFIC PROJECT. CONTACT ENGINEERING EXPRESS FOR ASSISTANCE WITH YOUR PROJECT-SPECIFIC NEEDS & FOR ADAPTATION & CERTIFICATION OF THIS DOCUMENT OUTSIDE OF FLORIDA.

DESIGN NOTES:

1. SITE-SPECIFIC DESIGN WIND PRESSURE REQUIREMENTS AS DETERMINED IN ACCORDANCE WITH ASCE 7 AND CHAPTER 16 OF THE FLORIDA BUILDING CODE EIGHTH EDITION (2023) SHALL BE LESS THAN OR EQUAL TO THE DESIGN WIND PRESSURE CAPACITY VALUES LISTED HEREIN FOR ANY ASSEMBLY AS SHOWN. DESIGN PRESSURE REQUIREMENTS SHALL BE DETERMINED BY A REGISTERED DESIGN PROFESSIONAL ON A JOB-SPECIFIC BASIS IN ACCORDANCE WITH THE GOVERNING CODE. PRESSURE VALUES IN THIS APPROVAL ARE (ASD) ALLOWABLE DESIGN PRESSURES UNLESS NOTED OTHERWISE.

GENERAL NOTES:

1. THIS SYSTEM HAS BEEN DESIGNED AND SHALL BE FABRICATED IN ACCORDANCE WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE EIGHTH EDITION (2023) & ASCE 7. THIS SYSTEM MAY BE USED WITHIN AND OUTSIDE THE HIGH VELOCITY HURRICANE ZONE (HVHZ). THIS DESIGN IS NOT INTENDED TO CERTIFY IMPACT RESISTANCE OF THE MECHANICAL UNIT CABINETRY.

2. DESIGN & CERTIFICATION OF THE UNIT CABINETRY IS APPROVED THROUGH TEST REPORT#0323.01-15 BY AMERICAN TEST LAB OF SOUTH FLORIDA. DESIGN PRESSURES NOTED HEREIN ARE BASED ON MAXIMUM TESTED PRESSURES DIVIDED BY A 1.5 SAFETY FACTOR FOR STATIC WIND LOADS.

3. **ALL MODELS WITH THE MAXIMUM DIMENSIONS, MINIMUM WEIGHT (120 LB MINIMUM), AND MINIMUM MATERIAL STRENGTH, THICKNESS, AND FASTENERS SHOWN HEREIN ARE COVERED UNDER THIS NOA.** MODELS SHALL CONFORM TO THE LIMITATIONS STATED HEREIN. ALL MECHANICAL SPECIFICATIONS (CLEAR SPACE, TONNAGE, ETC.) SHALL BE AS PER MANUFACTURER RECOMMENDATIONS AND ARE THE EXPRESS RESPONSIBILITY OF THE CONTRACTOR. UNITS SHALL BE LABELED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE AND MIAMI-DADE REQUIREMENTS.

4. (AT-GRADE APPLICATIONS ONLY) ALL CONCRETE SPECIFIED HEREIN IS NOT PART OF THIS CERTIFICATION. AS A MINIMUM, ALL CONCRETE SHALL BE STRUCTURAL CONCRETE 4" MIN. THICK AND SHALL HAVE MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI, UNLESS NOTED OTHERWISE. TAPCONS REFERRED TO HEREIN SHALL BE ITW BUILDEX BRAND, ASTM F593 410 STAINLESS STEEL OR EQUIVALENT ONLY, INSTALLED TO 3000 PSI MIN CONCRETE. SEE ANCHOR SCHEDULE FOR ANCHOR REQUIREMENTS.

5. (ROOFTOP APPLICATIONS ONLY) BOLTS USED TO FASTEN ALUMINUM ANGLES TO SUPPORTING FRAME (BY OTHERS) SHALL BE ASTM F593 410 STAINLESS STEEL OR EQUIVALENT AND SHALL UTILIZE SAE GRADE WASHERS & NUTS. ALUMINUM ANGLES SPECIFIED HEREIN SHALL BE 6061-T6 ALUMINUM ONLY. CONNECTIONS TO THE SUPPORTING FRAME (BY OTHERS) CONSIDER A FRAME MEMBER THAT IS 6061-T6 MIN ALUMINUM WITH A MINIMUM 0.094" THICK FLANGE AT ATTACHMENT POINT. PERFORMANCE OF THE RAIL AS A STRUCTURAL MEMBER TO SUPPORT THE UNIT ASSEMBLY SHALL BE PER SEPARATE CERTIFICATION.

6. ALL SHEET METAL SCREWS USED TO FASTEN BRACKETS TO MECHANICAL UNITS SHALL BE #10 (14 MIN THREADS PER INCH) ASTM SAE GR. 5 MIN. OR EQUIVALENT ONLY. PROVIDE (5) PITCHES MINIMUM PAST THE THREAD PLANE FOR SHEET METAL SCREWS.

7. ALL FASTENERS SHALL HAVE APPROPRIATE CORROSION PROTECTION TO PREVENT ELECTROLYSIS. ALL FASTENER CONNECTIONS TO ALUMINUM SHALL PROVIDE 2xDIAMETER EDGE DISTANCE. REFER TO FASTENER MANUFACTURER'S PUBLISHED DATA SHEETS AND RECOMMENDATIONS FOR FASTENER INSTALLATION INSTRUCTIONS.

8. THE CONTRACTOR IS RESPONSIBLE TO INSULATE ALL MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS.

9. ELECTRICAL GROUND, WHEN REQUIRED, TO BE DESIGNED & INSTALLED BY OTHERS.

10. THE ADEQUACY OF ANY EXISTING STRUCTURE TO WITHSTAND SUPERIMPOSED LOADS SHALL BE VERIFIED BY THE ONSITE DESIGN PROFESSIONAL AND IS NOT INCLUDED IN THIS CERTIFICATION.

11. THE SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. FOR SITE CONDITIONS DIFFERENT FROM THE CONDITIONS DETAILED HEREIN, A LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THIS DOCUMENT.

12. WATER-TIGHTNESS OF EXISTING HOST SUBSTRATE SHALL BE THE FULL RESPONSIBILITY OF THE INSTALLING CONTRACTOR. CONTRACTOR SHALL ENSURE THAT ANY REMOVED OR ALTERED WATERPROOFING MEMBRANE IS RESTORED AFTER FABRICATION AND INSTALLATION OF STRUCTURE PROPOSED HEREIN. THIS ENGINEER SHALL NOT BE RESPONSIBLE FOR ANY WATERPROOFING OR LEAKAGE ISSUES WHICH MAY OCCUR AS WATER-TIGHTNESS SHALL BE THE FULL RESPONSIBILITY OF THE INSTALLING CONTRACTOR.

13. UNIT WALL PANEL LOUVERS ARE ALSO PERMITTED TO BE IN THE VERTICAL DIRECTION INSTEAD OF THE HORIZONTAL DIRECTION SHOWN IN THE DETAILS HEREIN.

GENERAL NOTES CONTINUED:

14. ENGINEER SEAL AFFIXED HERETO VALIDATE STRUCTURAL DESIGN AS SHOWN ONLY. USE OF THIS SPECIFICATION BY CONTRACTOR, et. al. INDEMNIFIES & SAVES HARMLESS THIS ENGINEER FOR ALL COST & DAMAGES INCLUDING LEGAL FEES & APPELLATE FEES RESULTING FROM MATERIAL FABRICATION, SYSTEM ERECTION, & CONSTRUCTION PRACTICES BEYOND THAT WHICH IS CALLED FOR BY LOCAL, STATE & FEDERAL CODES & FROM DEVIATIONS OF THIS PLAN.

15. ALTERATIONS, ADDITIONS, OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE THIS CERTIFICATION.

16. EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.

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 / in^2", "L" FOR "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/ft^2)", "PSI" FOR "POUNDS PER SQUARE INCH (lb/in^2)", "QTY" 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.

PAGE INDEX:

PRODUCT REVISED
as complying with the Florida Building Code
NOA–No. 23–1204.05
Expiration Date 02/25/2026
By
Miami–Dade Product Control

ENGINEERING EXPRESS®
POSTAL ADDRESS:
2234 NORTH FEDERAL HWY #7664
BOCA RATON, FL 33431
ENGINEERINGEXPRESS.COM

RHEEM SALES COMPANY
5600 OLD GREENWOOD RD
FORT SMITH, AR 72917
(770) 351-3000

MECHANICAL UNIT CABINETRY AND STEEL/ALUMINUM TIE-DOWN CLIPS FOR GRADE AND ROOFTOP APPLICATIONS
FBC EIGHTH EDITION (2023) | MIAMI-DADE NOA

REMARKS	DRWN	CHKD	DATE
PREV. SUB. NOA 23-0328.04	EPR	RWN	03/10/23
2023 FBC UPDATE	MR/ER	RWN	11/13/23

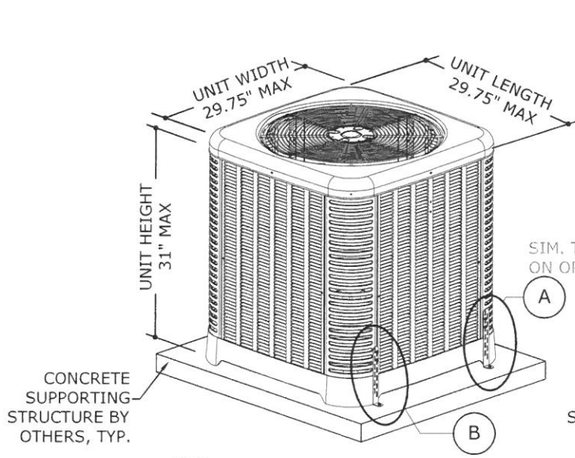
23-61456

SCALE: NTS UNLESS NOTED

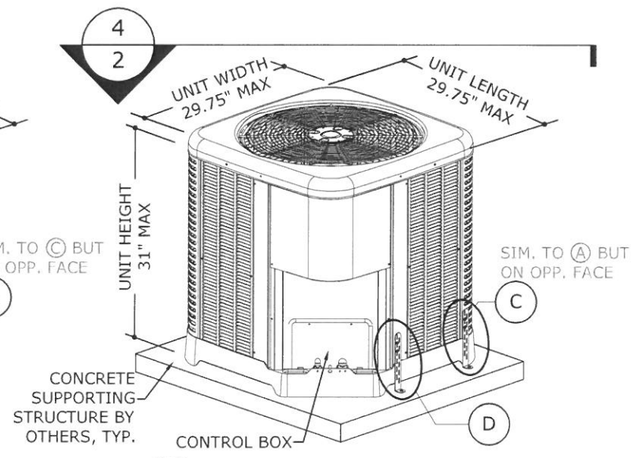
1 OF 8

AT-GRADE INSTALLATIONS: (29.75" W x 29.75" L x 31" H) MAX. UNIT DIMENSIONS

NOTE: UNIT WALL PANEL LOUVERS ARE ALSO PERMITTED TO BE IN THE VERTICAL DIRECTION INSTEAD OF THE HORIZONTAL DIRECTION SHOWN IN THE DETAILS HEREIN.

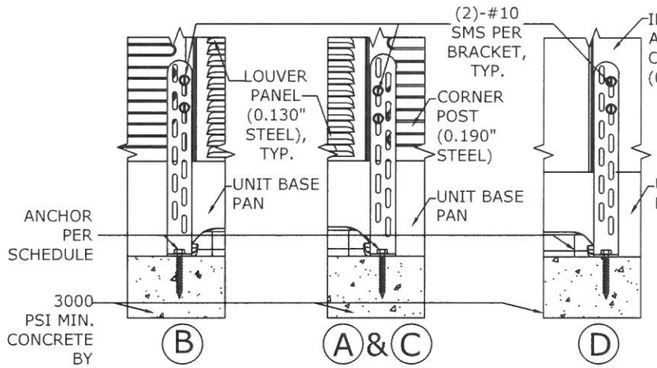


1/2 MECHANICAL UNIT
NOT TO SCALE FRONT ISOMETRIC

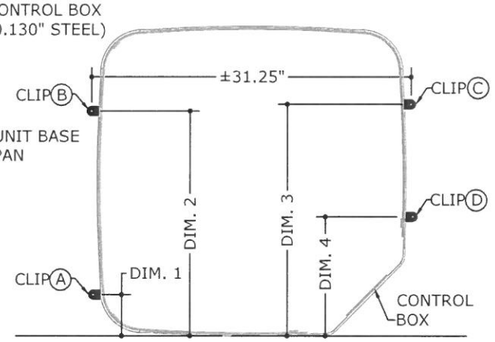


2/2 MECHANICAL UNIT
NOT TO SCALE BACK ISOMETRIC

THESE ISOMETRICS ARE INTENDED FOR DIAGRAMMATICAL PURPOSES ONLY; ALTERNATE RHEEM UNITS MAY VARY IN APPEARANCE

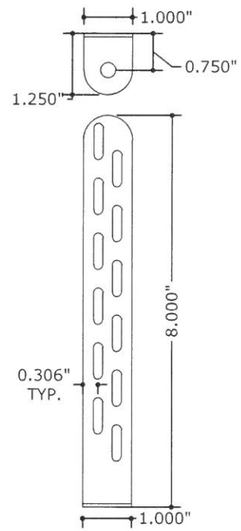


3/2 TIE-DOWN BRACKETS
NOT TO SCALE ELEVATION



CLIP OFFSET DIMENSION SHALL BE TAKEN FROM THIS SIDE ONLY

4/2 TIE-DOWN BRACKET LAYOUT
NOT TO SCALE PLAN



TIE-DOWN BRACKET

MIAMI TECH CLIP: 14GA (0.07") ASTM A653 Fu=90 KSI STEEL (CUTD8) OR 0.080" 5052-H32 ALUMINUM (CUTDA8), MIAMI TECH KIT # RRCUTDSMK OR RRCUTDASMK

ANCHOR SCHEDULE:

SUBSTRATE	DESCRIPTION
CONCRETE: (4" THICK MIN, 3000 PSI MIN.)	(1)-1/4"Ø STAINLESS STEEL ITW BUILDEX TAPCON, 1¾" FULL EMBED TO CONCRETE, 2½" MIN. EDGE DISTANCE, 3" MIN. SPACING TO ANY ADJACENT ANCHOR.

TIE-DOWN BRACKET OFFSETS:

DIM. 1	4.50" MAX OFFSET FROM DATUM FACE
DIM. 2	24.50" MIN OFFSET FROM DATUM FACE
DIM. 3	25.25" MIN OFFSET FROM DATUM FACE
DIM. 4	13" MAX OFFSET FROM DATUM FACE

APPROVED DESIGN CRITERIA:

60 PSF MAX. LATERAL WIND LOAD

NOTE: PER THE CODES AND STANDARDS REFERENCED HEREIN, UPLIFT WIND LOAD IS NOT REQUIRED FOR MECHANICAL EQUIPMENT AT GRADE. IF UPLIFT IS REQUIRED BY THE AHJ, CONTACT THIS FIRM FOR A SITE-SPECIFIC EVALUATION.

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 23-1204.05
Expiration Date 02/25/2026
By
Miami-Dade Product Control

FRANK BENNARDO, P.E.
PE# 0046549 CA# 9885
DECEMBER 4, 2023

ENGINEERING EXPRESS®
POSTAL ADDRESS:
2234 NORTH FEDERAL HWY #7664
BOCA RATON, FL 33431
ENGINEERINGEXPRESS.COM

RHEEM SALES COMPANY
5600 OLD GREENWOOD RD
FORT SMITH, AR 72917
(770) 351-3000

MECHANICAL UNIT CABINETRY AND STEEL/ALUMINUM TIE-DOWN CLIPS FOR GRADE AND ROOFTOP APPLICATIONS FBC EIGHTH EDITION (2023) | MIAMI-DADE NOA

REMARKS	DRWN	CHKD	DATE
PREV. SUB. NOA 23-0328.04	EPR	RWN	03/10/23
2023 FBC UPDATE	MR/ER	RWN	11/13/23

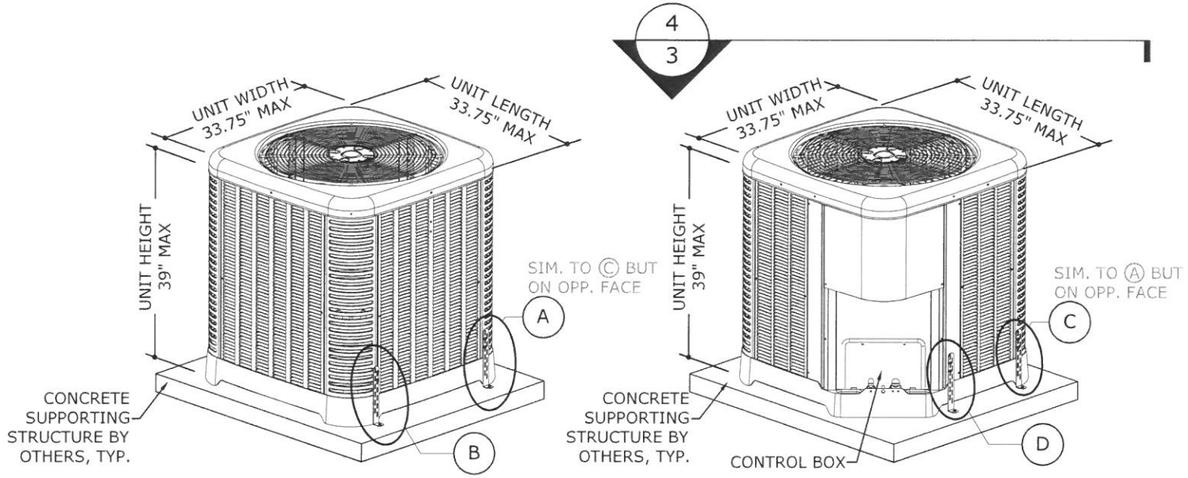
23-61456

SCALE: NTS UNLESS NOTED

2 OF 8

AT-GRADE INSTALLATIONS: (33.75" W x 33.75" L x 39" H) MAX. UNIT DIMENSIONS

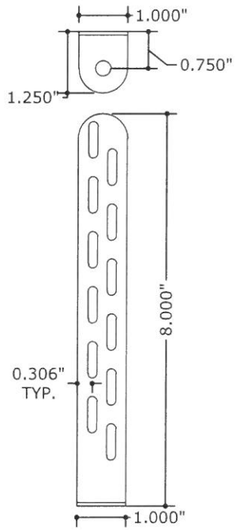
NOTE: UNIT WALL PANEL LOUVERS ARE ALSO PERMITTED TO BE IN THE VERTICAL DIRECTION INSTEAD OF THE HORIZONTAL DIRECTION SHOWN IN THE DETAILS HEREIN.



4/3 1/3 MECHANICAL UNIT — NOT TO SCALE — FRONT ISOMETRIC

4/3 2/3 MECHANICAL UNIT — NOT TO SCALE — BACK ISOMETRIC

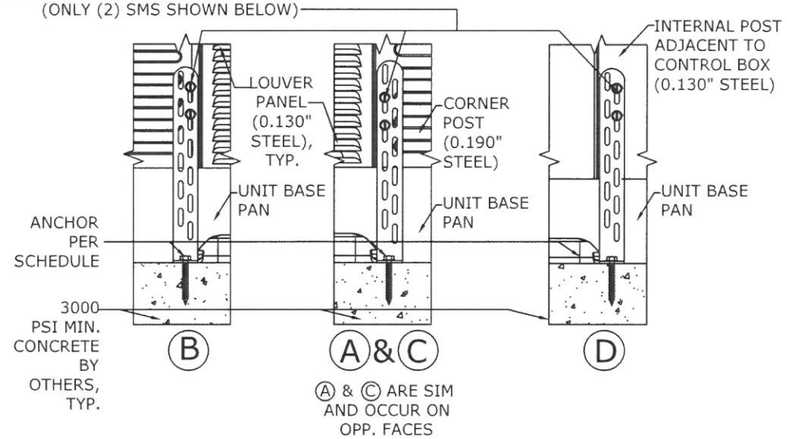
THESE ISOMETRICS ARE INTENDED FOR DIAGRAMMATICAL PURPOSES ONLY; ALTERNATE RHEEM UNITS MAY VARY IN APPEARANCE



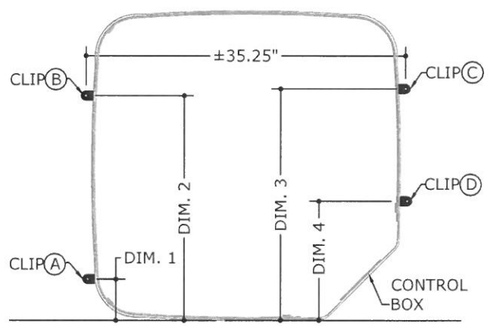
TIE-DOWN BRACKET

MIAMI TECH CLIP: 14GA (0.07") ASTM A653 Fu=90 KSI STEEL (CUTD8) OR 0.080" 5052-H32 ALUMINUM (CUTDA8), MIAMI TECH KIT # RRCUTDSMK OR RRCUTDASMK

(2)-#10 SMS PER BRACKET FOR UNITS UP TO 35" TALL. (3)-#10 SMS PER BRACKET FOR UNITS UP TO 39" TALL (ONLY (2) SMS SHOWN BELOW)



3/3 TIE-DOWN BRACKETS — NOT TO SCALE — ELEVATION



CLIP OFFSET DIMENSION SHALL BE TAKEN FROM THIS SIDE ONLY

4/3 TIE-DOWN BRACKET LAYOUT — NOT TO SCALE — PLAN

APPROVED DESIGN CRITERIA:

60 PSF MAX. LATERAL WIND LOAD

NOTE: PER THE CODES AND STANDARDS REFERENCED HEREIN, UPLIFT WIND LOAD IS NOT REQUIRED FOR MECHANICAL EQUIPMENT AT GRADE. IF UPLIFT IS REQUIRED BY THE AHJ, CONTACT THIS FIRM FOR A SITE-SPECIFIC EVALUATION.

ANCHOR SCHEDULE:

SUBSTRATE	DESCRIPTION
CONCRETE: (4" THICK MIN, 3000 PSI MIN.)	(1)-1/4"Ø STAINLESS STEEL ITW BUILDEX TAPCON, 1¾" FULL EMBED TO CONCRETE, 2½" MIN. EDGE DISTANCE, 3" MIN. SPACING TO ANY ADJACENT ANCHOR.

TIE-DOWN BRACKET OFFSETS:

DIM. 1	4.50" MAX OFFSET FROM DATUM FACE
DIM. 2	28.00" MIN OFFSET FROM DATUM FACE
DIM. 3	29.00" MIN OFFSET FROM DATUM FACE
DIM. 4	13.00" MAX OFFSET FROM DATUM FACE

PRODUCT REVISED
as complying with the Florida Building Code
NOA–No. 23–1204.05
Expiration Date 02/25/2026
By
Miami–Dade Product Control

FRANK BENNARDO, P.E.
PE# 0046549 CA# 9885
DECEMBER 4, 2023
FRANK L. BENNARDO LICENSE No PE0046549 STATE OF FLORIDA PROFESSIONAL ENGINEER FL

ENGINEERING EXPRESS®
POSTAL ADDRESS:
2234 NORTH FEDERAL HWY #7664
BOCA RATON, FL 33431
ENGINEERINGEXPRESS.COM

RHEEM SALES COMPANY
5600 OLD GREENWOOD RD
FORT SMITH, AR 72917
(770) 351-3000

MECHANICAL UNIT CABINETRY AND STEEL/ALUMINUM
TIE-DOWN CLIPS FOR GRADE AND ROOFTOP APPLICATIONS
FBC EIGHTH EDITION (2023) | MIAMI-DADE NOA

REMARKS	DRWN	CHKD	DATE
PREV. SUB. NOA 23-0328.04	EPR	RWN	03/10/23
2023 FBC UPDATE	MP/ER	RWN	11/13/23

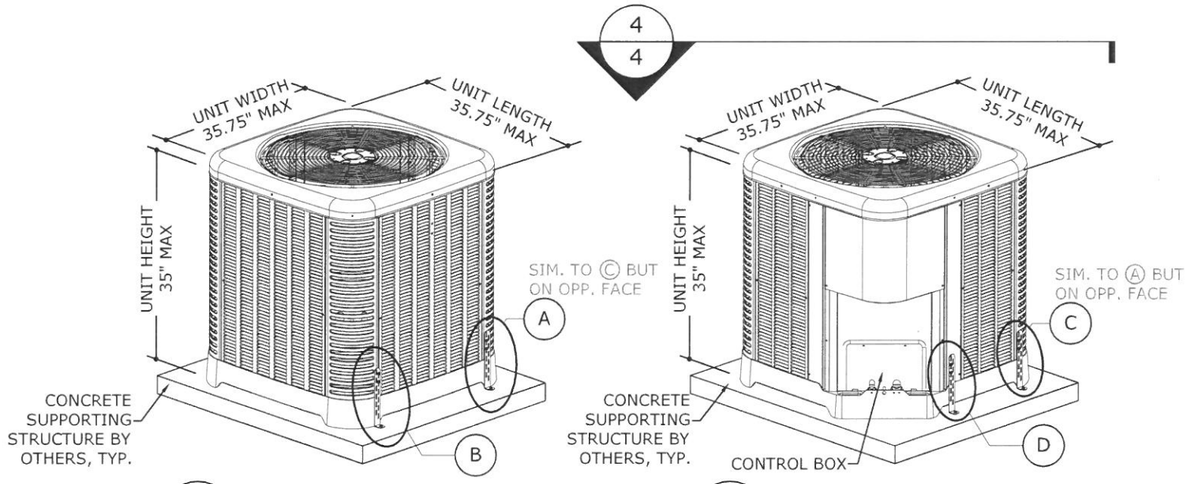
23-61456

SCALE: NTS UNLESS NOTED

3 OF 8

AT-GRADE INSTALLATIONS: (35.75" W x 35.75" L x 35" H) MAX. UNIT DIMENSIONS

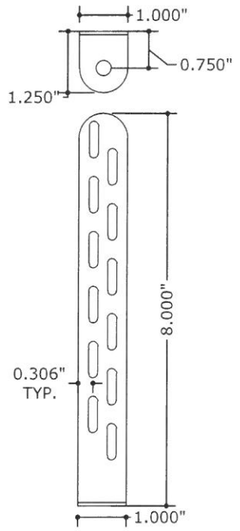
NOTE: UNIT WALL PANEL LOUVERS ARE ALSO PERMITTED TO BE IN THE VERTICAL DIRECTION INSTEAD OF THE HORIZONTAL DIRECTION SHOWN IN THE DETAILS HEREIN.



1 4 MECHANICAL UNIT — NOT TO SCALE — FRONT ISOMETRIC

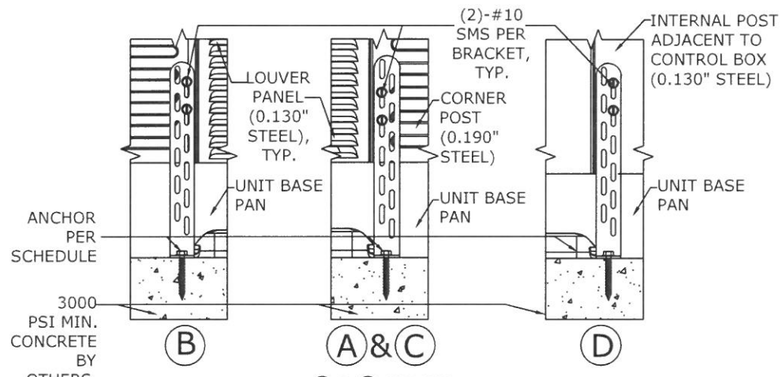
2 4 MECHANICAL UNIT — NOT TO SCALE — BACK ISOMETRIC

THESE ISOMETRICS ARE INTENDED FOR DIAGRAMMATICAL PURPOSES ONLY; ALTERNATE RHEEM UNITS MAY VARY IN APPEARANCE

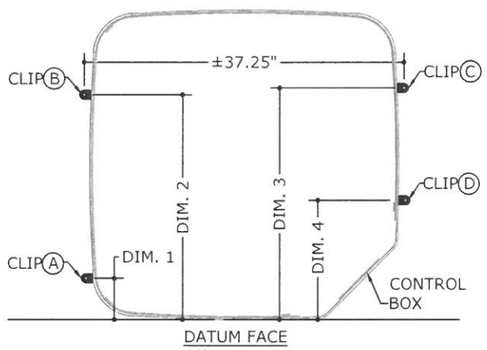


TIE-DOWN BRACKET

MIAMI TECH CLIP: 14GA (0.07") ASTM A653 Fu=90 KSI STEEL (CUTD8) OR 0.080" 5052-H32 ALUMINUM (CUTDA8), MIAMI TECH KIT # RRCUTDSMK OR RRCUTDASMK



3 4 TIE-DOWN BRACKETS — NOT TO SCALE — ELEVATION



CLIP OFFSET DIMENSION SHALL BE TAKEN FROM THIS SIDE ONLY

4 4 TIE-DOWN BRACKET LAYOUT — NOT TO SCALE — PLAN

APPROVED DESIGN CRITERIA:

60 PSF MAX. LATERAL WIND LOAD

NOTE: PER THE CODES AND STANDARDS REFERENCED HEREIN, UPLIFT WIND LOAD IS NOT REQUIRED FOR MECHANICAL EQUIPMENT AT GRADE. IF UPLIFT IS REQUIRED BY THE AHJ, CONTACT THIS FIRM FOR A SITE-SPECIFIC EVALUATION.

ANCHOR SCHEDULE:

SUBSTRATE	DESCRIPTION
CONCRETE: (4" THICK MIN, 3000 PSI MIN.)	(1)-1/4"Ø STAINLESS STEEL ITW BUILDEX TAPCON, 1¾" FULL EMBED TO CONCRETE, 2½" MIN. EDGE DISTANCE, 3" MIN. SPACING TO ANY ADJACENT ANCHOR.

TIE-DOWN BRACKET OFFSETS:

DIM. 1	4.50" MAX OFFSET FROM DATUM FACE
DIM. 2	30.00" MIN OFFSET FROM DATUM FACE
DIM. 3	31.00" MIN OFFSET FROM DATUM FACE
DIM. 4	13.00" MAX OFFSET FROM DATUM FACE

PRODUCT REVISED
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NOA–No. 23–1204.05
Expiration Date 02/25/2026
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Miami–Dade Product Control

FRANK BENNARDO, P.E.
PE# 0046549 CA# 9885
DECEMBER 4, 2023
STATE OF FLORIDA PROFESSIONAL ENGINEER

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POSTAL ADDRESS:
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BOCA RATON, FL 33431
ENGINEERINGEXPRESS.COM

RHEEM SALES COMPANY
5600 OLD GREENWOOD RD
FORT SMITH, AR 72917
(770) 351-3000

MECHANICAL UNIT CABINETRY AND STEEL/ALUMINUM
TIE-DOWN CLIPS FOR GRADE AND ROOFTOP APPLICATIONS
FBC EIGHTH EDITION (2023) | MIAMI-DADE NOA

REMARKS	DRWN	CHK'D	DATE
PREV. SUB. NOA 23-0328.04	EPR	RWN	03/10/23
2023 FBC UPDATE	MR/ER	RWN	11/13/23

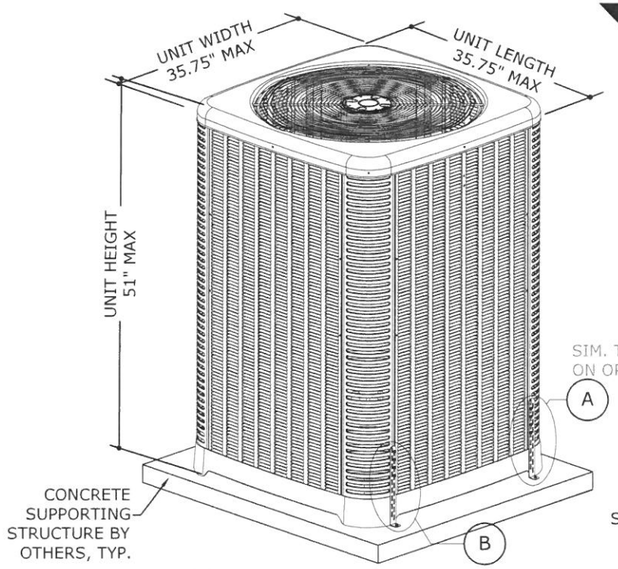
23-61456

SCALE: NTS UNLESS NOTED

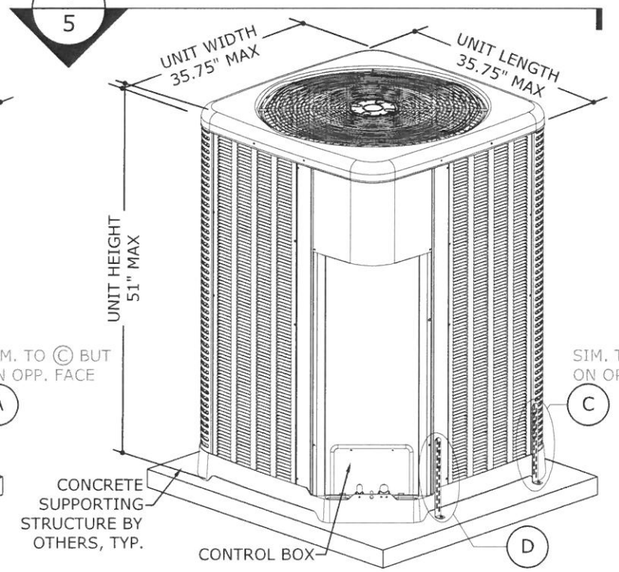
4 OF 8

AT-GRADE INSTALLATIONS: (35.75" W x 35.75" L x 51" H) MAX. UNIT DIMENSIONS

NOTE: UNIT WALL PANEL LOUVERS ARE ALSO PERMITTED TO BE IN THE VERTICAL DIRECTION INSTEAD OF THE HORIZONTAL DIRECTION SHOWN IN THE DETAILS HEREIN.

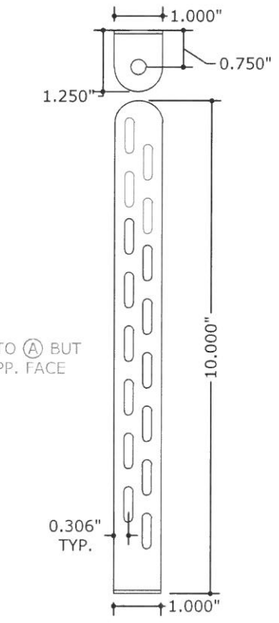


1/5 MECHANICAL UNIT
NOT TO SCALE FRONT ISOMETRIC



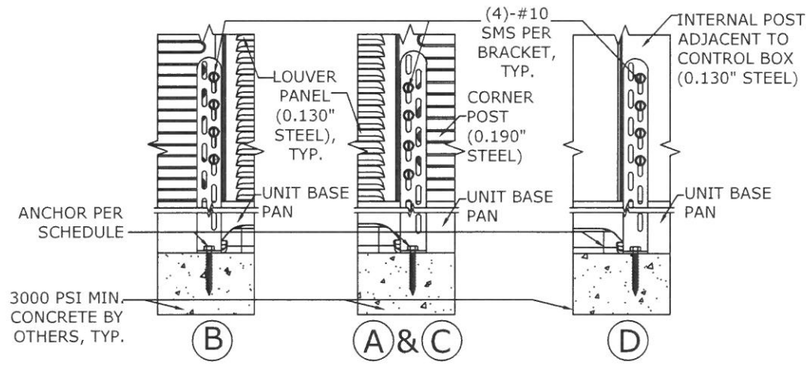
2/5 MECHANICAL UNIT
NOT TO SCALE BACK ISOMETRIC

THESE ISOMETRICS ARE INTENDED FOR DIAGRAMMATICAL PURPOSES ONLY; ALTERNATE RHEEM UNITS MAY VARY IN APPEARANCE

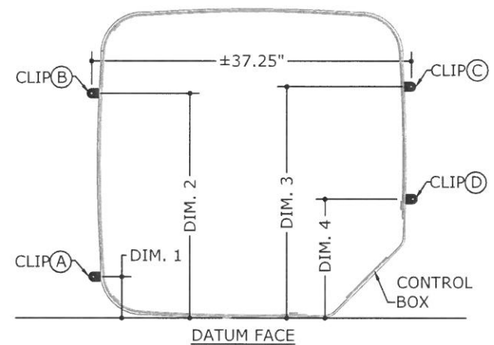


TIE-DOWN BRACKET

MIAMI TECH CLIP: 14GA (0.07") ASTM A653
Fu=90 KSI STEEL (CUTD10) OR 0.080"
5052-H32 ALUMINUM (CUTDA10), MIAMI
TECH KIT # RRCUTDLK OR RRCUTDALK



3/5 TIE-DOWN BRACKETS
NOT TO SCALE ELEVATION



CLIP OFFSET DIMENSION SHALL BE TAKEN FROM THIS SIDE ONLY

4/5 TIE-DOWN BRACKET LAYOUT
NOT TO SCALE PLAN

APPROVED DESIGN CRITERIA:

60 PSF MAX. LATERAL WIND LOAD

NOTE: PER THE CODES AND STANDARDS REFERENCED HEREIN, UPLIFT WIND LOAD IS NOT REQUIRED FOR MECHANICAL EQUIPMENT AT GRADE. IF UPLIFT IS REQUIRED BY THE AHJ, CONTACT THIS FIRM FOR A SITE-SPECIFIC EVALUATION.

PRODUCT REVISED
as complying with the Florida Building Code
NOA–No. 23–1204.05
Expiration Date 02/25/2026
By
Miami–Dade Product Control

ANCHOR SCHEDULE:

SUBSTRATE	DESCRIPTION
CONCRETE: (4" THICK MIN, 3000 PSI MIN.)	(1)-1/4"Ø CARBON STEEL SIMPSON STRONG BOLT 2, 1¾" MIN EMBED TO CONCRETE, 3" MIN. EDGE DISTANCE, 3" MIN. SPACING TO ANY ADJACENT ANCHOR.
	(1)-1/4"Ø CARBON STEEL DEWALT WEDGE BOLT+, 2⅛" MIN EMBED TO CONCRETE, 3" MIN. EDGE DISTANCE, 3" MIN. SPACING TO ANY ADJACENT ANCHOR.

SUPPORTING CONCRETE SUBSTRATE DEPTH SHALL BE A MINIMUM 1.5xANCHOR EMBED.
EITHER ANCHOR FROM THIS SCHEDULE MAY BE USED FOR INSTALLATION.

TIE-DOWN BRACKET OFFSETS:

DIM. 1	4.50" MAX OFFSET FROM DATUM FACE
DIM. 2	30.00" MIN OFFSET FROM DATUM FACE
DIM. 3	31.00" MIN OFFSET FROM DATUM FACE
DIM. 4	13.00" MAX OFFSET FROM DATUM FACE

FRANK BENNARDO, P.E.
PE# 0046549 CA# 9885
DECEMBER 4, 2023
FRANK L. BENNARDO LICENSE No PE0046549 STATE OF FLORIDA PROFESSIONAL ENGINEER FL

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RHEEM SALES COMPANY
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FORT SMITH, AR 72917
(770) 351-3000

MECHANICAL UNIT CABINETRY AND STEEL/ALUMINUM TIE-DOWN CLIPS FOR GRADE AND ROOFTOP APPLICATIONS
FBC EIGHTH EDITION (2023) | MIAMI-DADE NOA

REMARKS	DRWN	CHK'D	DATE
PREV. SUB. NOA 23-0328.04	EPR	RWN	03/10/23
2023 FBC UPDATE	MR/ER	RWN	11/13/23

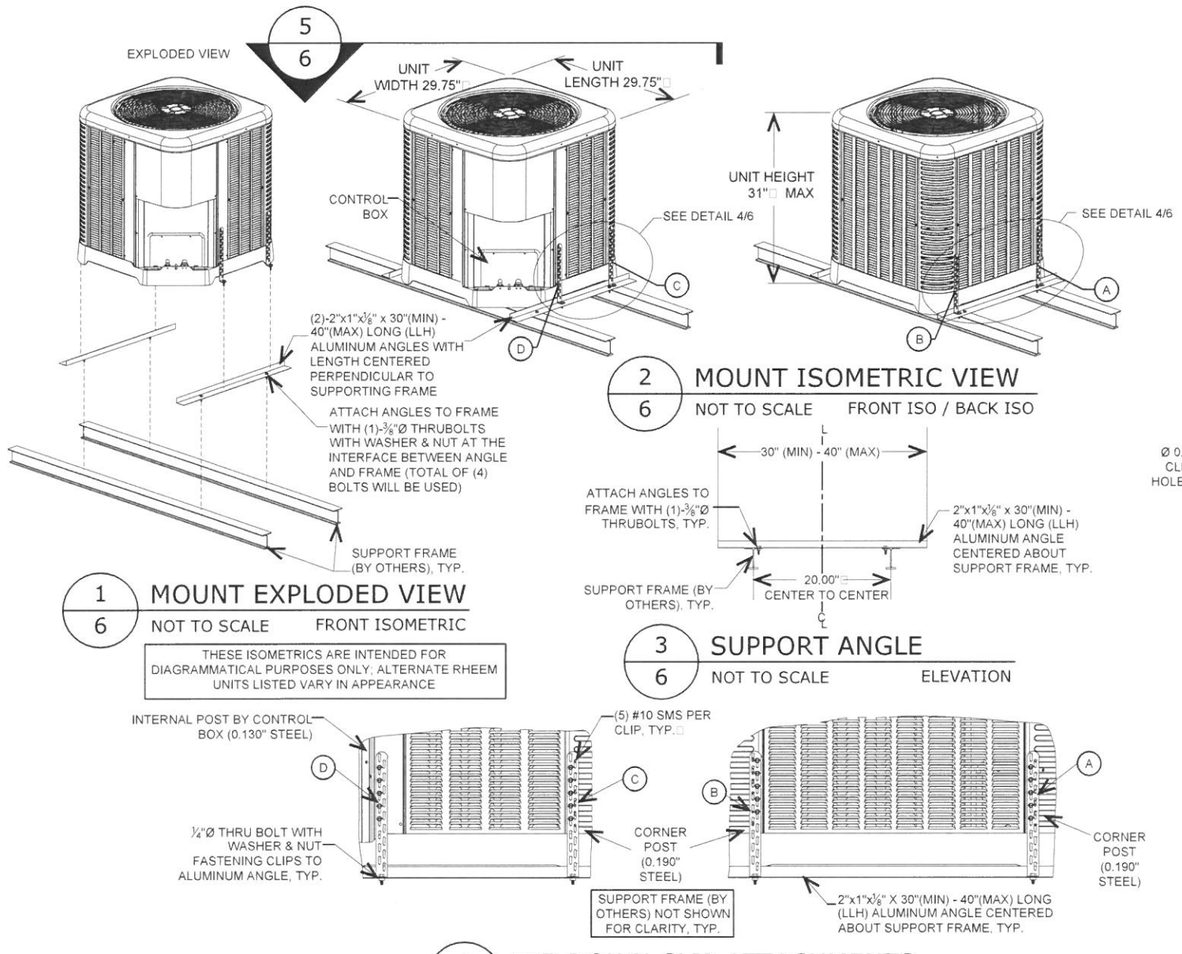
23-61456

SCALE: NTS UNLESS NOTED

5 OF 8

ROOFTOP INSTALLATIONS: (29.75" W x 29.75" L x 31" H) MAX. UNIT DIMENSIONS

NOTE: UNIT WALL PANEL LOUVERS ARE ALSO PERMITTED TO BE IN THE VERTICAL DIRECTION INSTEAD OF THE HORIZONTAL DIRECTION SHOWN IN THE DETAILS HEREIN.



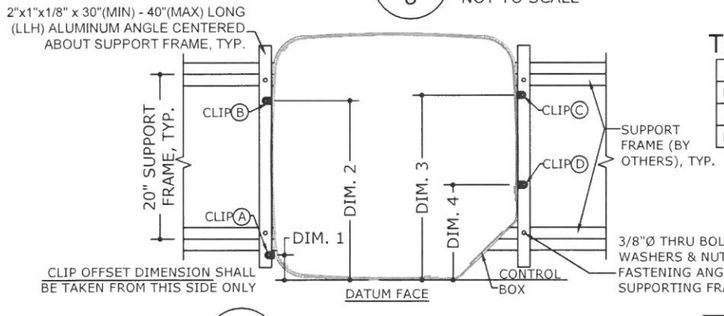
5/6 — 1/6 MOUNT EXPLODED VIEW
NOT TO SCALE — FRONT ISOMETRIC

THESE ISOMETRICS ARE INTENDED FOR DIAGRAMMATICAL PURPOSES ONLY; ALTERNATE RHEEM UNITS LISTED VARY IN APPEARANCE

2/6 MOUNT ISOMETRIC VIEW
NOT TO SCALE — FRONT ISO / BACK ISO

3/6 SUPPORT ANGLE
NOT TO SCALE — ELEVATION

4/6 TIE-DOWN CLIP ATTACHMENTS
NOT TO SCALE — ELEVATIONS

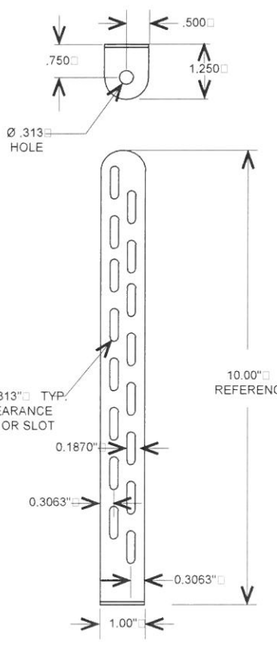


TIE-DOWN CLIP OFFSETS:

DIM. 1	4.50" MAX OFFSET FROM DATUM FACE
DIM. 2	24.50" MIN OFFSET FROM DATUM FACE
DIM. 3	25.25" MIN OFFSET FROM DATUM FACE
DIM. 4	13" MAX OFFSET FROM DATUM FACE

5/6 TIE-DOWN CLIP LAYOUT
NOT TO SCALE — ELEVATIONS

NOTE: UNIT SHALL BE CENTERED ABOUT THE 20" RAIL TO RAIL SUPPORTING FRAME (BY OTHERS)



TIE-DOWN CLIP

MIAMI TECH CLIP: 14GA (0.07") ASTM A653 Fu=90 KSI STEEL (CUTD10), MIAMI TECH KIT # RRCUTD30K

APPROVED DESIGN CRITERIA:

200 PSF MAX. LATERAL WIND LOAD	100 PSF MAX. UPLIFT WIND LOAD (CONCURRENT)

PRODUCT REVISED
as complying with the Florida Building Code
NOA–No. 23–1204.05
Expiration Date 02/25/2026
By
Miami–Dade Product Control

FRANK BENNARDO, P.E.
PE# 0046549 CA# 9885
DECEMBER 4, 2023
FRANK L. BENNARDO — No PE0046549 — FL — STATE OF FLORIDA — PROFESSIONAL ENGINEER

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MECHANICAL UNIT CABINETRY AND STEEL/ALUMINUM TIE-DOWN CLIPS FOR GRADE AND ROOFTOP APPLICATIONS
FBC EIGHTH EDITION (2023) | MIAMI-DADE NOA

REMARKS	DRWN	CHKD	DATE
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2023 FBC UPDATE	MR/ER	RWN	11/13/23

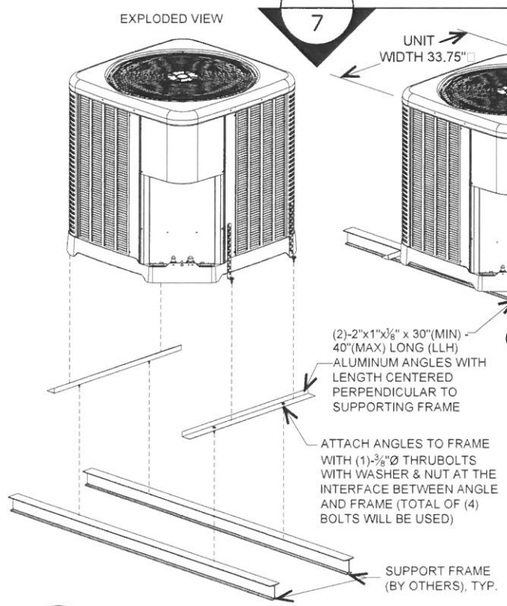
23-61456

SCALE: NTS UNLESS NOTED

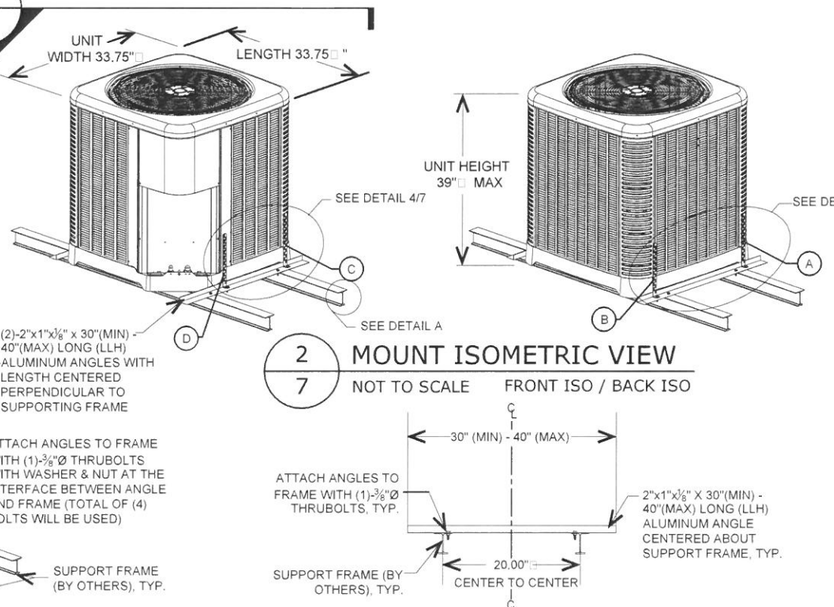
6 OF 8

ROOFTOP INSTALLATIONS: (33.75" W x 33.75" L x 39" H) MAX. UNIT DIMENSIONS

NOTE: UNIT WALL PANEL LOUVERS ARE ALSO PERMITTED TO BE IN THE VERTICAL DIRECTION INSTEAD OF THE HORIZONTAL DIRECTION SHOWN IN THE DETAILS HEREIN.



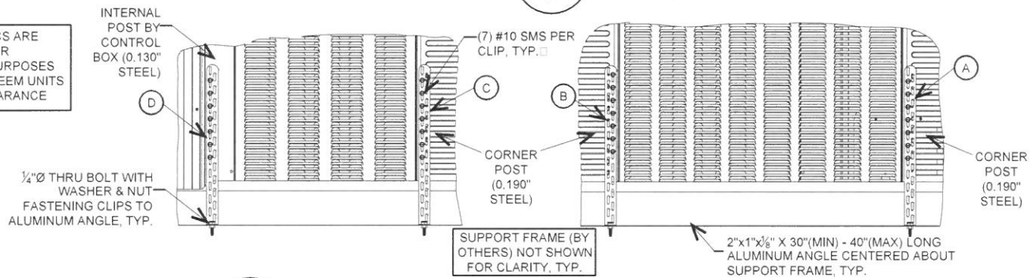
5/7 1/7 MOUNT EXPLODED VIEW
NOT TO SCALE FRONT ISOMETRIC



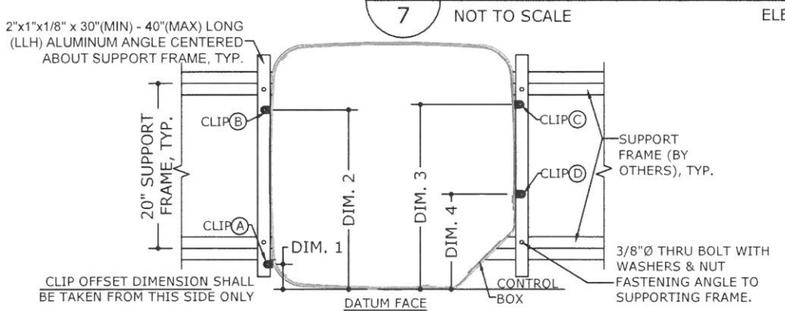
2/7 MOUNT ISOMETRIC VIEW
NOT TO SCALE FRONT ISO / BACK ISO

3/7 SUPPORT ANGLE
NOT TO SCALE ELEVATION

THESE ISOMETRICS ARE INTENDED FOR DIAGRAMMATICAL PURPOSES ONLY; ALTERNATE RHEEM UNITS MAY VARY IN APPEARANCE



4/7 TIE-DOWN CLIP ATTACHMENTS
NOT TO SCALE ELEVATIONS

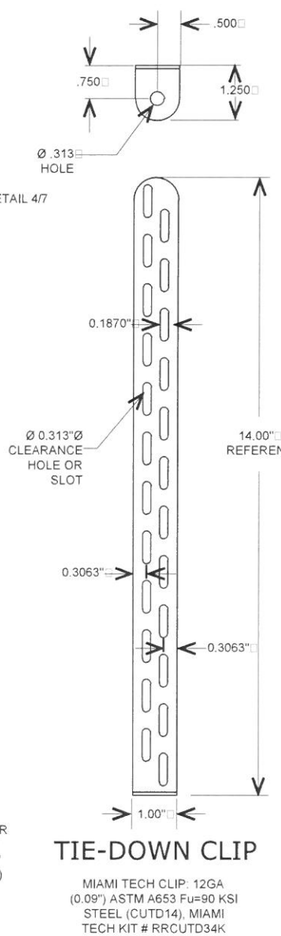


5/7 TIE-DOWN CLIP LAYOUT
NOT TO SCALE ELEVATIONS

NOTE: UNIT SHALL BE CENTERED ABOUT THE 20" RAIL TO RAIL SUPPORTING FRAME (BY OTHERS)

TIE-DOWN CLIP OFFSETS:

DIM. 1	4.50" MAX OFFSET FROM DATUM FACE
DIM. 2	28.00" MIN OFFSET FROM DATUM FACE
DIM. 3	29.00" MIN OFFSET FROM DATUM FACE
DIM. 4	13.00" MAX OFFSET FROM DATUM FACE



TIE-DOWN CLIP

MIAMI TECH CLIP: 12GA (0.09") ASTM A653 Fu=90 KSI STEEL (CUTD14), MIAMI TECH KIT # RRCUTD34K

APPROVED DESIGN CRITERIA:

200 PSF MAX. LATERAL WIND LOAD	100 PSF MAX. UPLIFT WIND LOAD (CONCURRENT)

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DECEMBER 4, 2023

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MECHANICAL UNIT CABINETRY AND STEEL/ALUMINUM
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FBC EIGHTH EDITION (2023) | MIAMI-DADE NOA

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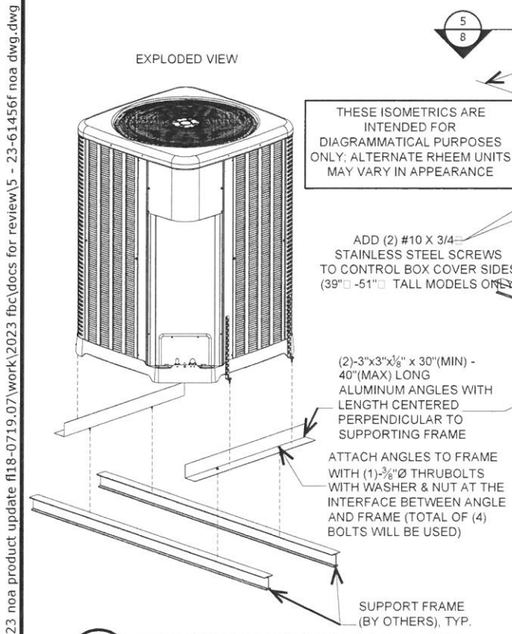
23-61456

SCALE: NTS UNLESS NOTED

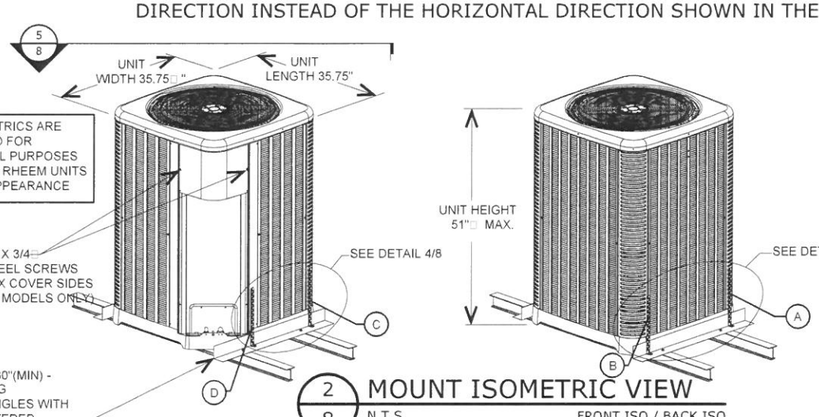
7 OF 8

ROOFTOP INSTALLATIONS: (35.75" W x 35.75" L x 51" H) MAX. UNIT DIMENSIONS

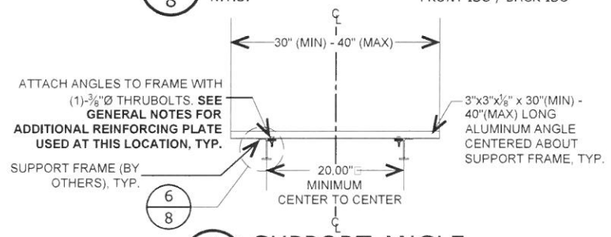
NOTE: UNIT WALL PANEL LOUVERS ARE ALSO PERMITTED TO BE IN THE VERTICAL DIRECTION INSTEAD OF THE HORIZONTAL DIRECTION SHOWN IN THE DETAILS HEREIN.



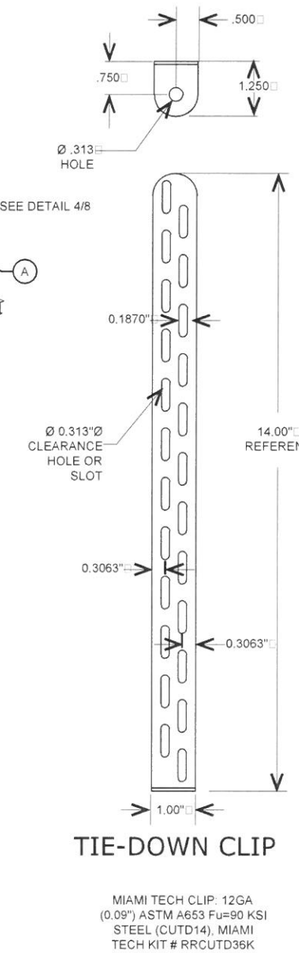
1/8 MOUNT EXPLODED VIEW
N.T.S. FRONT ISOMETRIC



2/8 MOUNT ISOMETRIC VIEW
N.T.S. FRONT ISO / BACK ISO

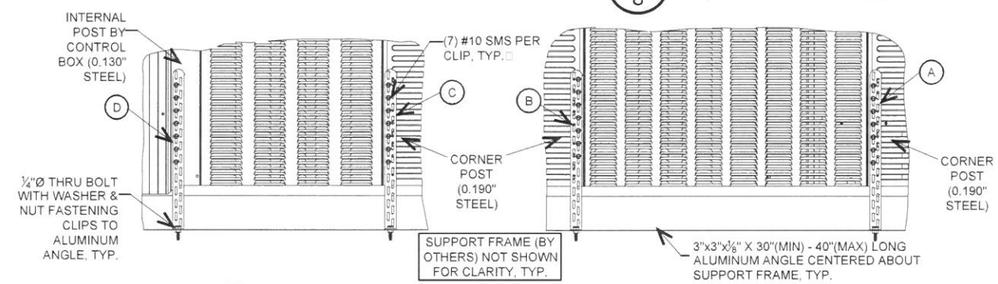


3/8 SUPPORT ANGLE
N.T.S. ELEVATION

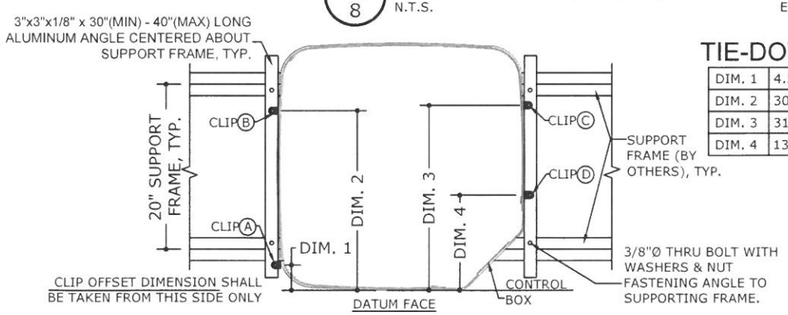


TIE-DOWN CLIP

MIAMI TECH CLIP: 12GA (0.09") ASTM A653 Fu=90 KSI STEEL (CUTD14), MIAMI TECH KIT # RRCUTD36K



4/8 TIE-DOWN CLIP ATTACHMENTS
N.T.S. ELEVATIONS

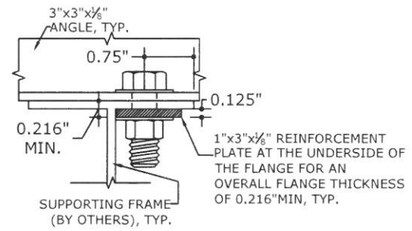


TIE-DOWN CLIP OFFSETS:

DIM. 1	4.50" MAX OFFSET FROM DATUM FACE
DIM. 2	30.00" MIN OFFSET FROM DATUM FACE
DIM. 3	31.00" MIN OFFSET FROM DATUM FACE
DIM. 4	13.00" MAX OFFSET FROM DATUM FACE

5/8 TIE-DOWN CLIP LAYOUT
NOT TO SCALE ELEVATIONS

NOTE: UNIT SHALL BE CENTERED ABOUT THE 20" RAIL TO RAIL SUPPORTING FRAME (BY OTHERS)



6/8 REINFORCING PLATE
6" = 1'-0" SECTION

FRANK BENNARDO, P.E.
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STATE OF FLORIDA PROFESSIONAL ENGINEER

APPROVED DESIGN CRITERIA:

200 PSF MAX. LATERAL WIND LOAD	100 PSF MAX. UPLIFT WIND LOAD (CONCURRENT)

PRODUCT REVISED
as complying with the Florida Building Code
NOA–No. 23–1204.05
Expiration Date 02/25/2026
By
Miami–Dade Product Control

ENGINEERING EXPRESS®
POSTAL ADDRESS:
2234 NORTH FEDERAL HWY #7664
BOCA RATON, FL 33431
ENGINEERINGEXPRESS.COM

RHEEM SALES COMPANY
5600 OLD GREENWOOD RD
FORT SMITH, AR 72917
(770) 351-3000

MECHANICAL UNIT CABINETRY AND STEEL/ALUMINUM TIE-DOWN CLIPS FOR GRADE AND ROOFTOP APPLICATIONS
FBC EIGHTH EDITION (2023) | MIAMI-DADE NOA

REMARKS	DRWN	CHKD	DATE
PREV. SUB. NOA 23-0328.04	EPR	RWN	03/10/23
2023 FBC UPDATE	MR/ER	RWN	11/13/23

23-61456

SCALE: NTS UNLESS NOTED

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23-61456 2023 noa product update fl18-0719.07\work\2023 fbc\docs for review\5 - 23-61456f noa dwg.dwg