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/building

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: Weatherking Units and Steel Tie-Down Clips for Roof and Grade Mounted Applications

APPROVAL DOCUMENT: Drawing No. **23-67819**, titled "Weatherking Units and Tie-Down Clips for Roof and Grade Mounted Applications", sheets 1 and 5 of 5 dated 02/26/2024, 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 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 No. 23-0103.05** and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

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

MIAMI-DADE COUNTY APPROVED

04/17/24

NOA No. 24-0102.10
Expiration Date: November 05, 2025
Approval Date: April 11, 2024

Rheem Sales Company, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A. DRAWINGS *(Submitted under NOA No. 20-0506.04)*

1. Drawing No. **19-7517**, titled "Weatherking Units - Tie-Down Clips & Cabinet Integrity", sheets 1 and 2 of 2, dated 03/10/20, with revision dated 08/18/20, prepared by Engineering Express, signed and sealed by Frank L. Bennardo, P.E.

B. TESTS

1. Test report on lateral and uplift forces along with marked-up drawings and installation diagram of Rheem Weatherking Units Model **WA1636AJ1NA**, prepared by American Test Lab of South Florida, Test Report No. **1023.01-19**, dated 01/22/20, signed and sealed by Stephen W. Warter, P.E. ***(Submitted under NOA No. 20-0506.04)***

2. Test report on lateral and uplift forces along with marked-up drawings and installation diagram of Rheem Weatherking Units Model **WA1318AJ1NA**, prepared by American Test Lab of South Florida, Test Report No. **1023.02-19**, dated 01/22/20, signed and sealed by Stephen W. Warter, P.E. ***(Submitted under NOA No. 20-0506.04)***

C. CALCULATIONS

1. Anchorage calculations prepared by Engineering Express, dated 08/26/20, 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. STATEMENTS *(Submitted under NOA No. 20-0506.04)*

1. Statement letter of code conformance to the **FBC 6th Edition (2017)** dated 03/31/20, issued by Engineering Express, signed and sealed by Frank L. Bennardo, P.E.

2. Statement letter of no financial interest dated 03/31/20, issued by Engineering Express, signed and sealed by Frank L. Bennardo, P.E
(Submitted under NOA No. 20-0506.04)

3. Test Proposal No.**19-7517**. ***(Submitted under NOA No. 20-0506.04)***

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 24-0102.10
Expiration Date: November 05, 2025
Approval Date: April 11, 2024

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. EVIDENCE SUBMITTED UNDER NOA # 21-0628.21

A. DRAWINGS

1. Drawing No. **21-40850**, titled "Weatherking Units - Tie-Down Clips & Cabinet Integrity", sheets 1 and 2 of 2, dated 03/10/20, with revision dated 06/25/21, 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 conformance, complying with **FBC 7th Edition (2020)**, dated June 22, 2021, issued by Engineering Express, signed and sealed by Frank L. Bennardo, P.E.

2. Statement letter of no financial interest, dated June 22, 2021, issued by Engineering Express, signed and sealed by Frank L. Bennardo, P.E.

G. OTHERS

1. Notice of Acceptance No. **20-0506.04**, issued to Rheem Sales Company, Inc. for their Weatherking Units and Steel Tie-Down Clips for Roof and Grade Mounted Applications, approved on 11/05/20 and expiring on 11/05/25.

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 24-0102.10
Expiration Date: November 05, 2025
Approval Date: April 11, 2024

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. EVIDENCE SUBMITTED UNDER NOA # 23-0103.05 AND NEW

A. DRAWINGS

1. Drawing No. **23-67819**, titled "Weatherking Units and Tie-Down Clips for Roof and Grade Mounted Applications", sheets 1 and 5 of 5, dated 02/26/2024, prepared by Engineering Express, signed and sealed by Frank L. Bennardo, P.E.

B. TESTS

1. None.

C. CALCULATIONS *"Submitted under NOA # 23-0103.05"*

1. Anchorage calculations prepared by Engineering Express, dated 12/22/2022, 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. STATEMENTS

1. Statement letter of code conformance with the 8th Edition (2023) of the FBC, issued by Engineering Express, dated 12/20/2023 , signed and sealed by Frank L. Bennardo, P.E.

2. Statement letter of no financial interest, issued by Engineering Express, dated 12/20/2023, signed and sealed by Frank L. Bennardo, P.E.

"Submitted under NOA # 23-0103.05"

3. Statement letter of code conformance with the7th Edition (2020) of the FBC, issued by Engineering Express, dated 11/11/2022 , signed and sealed by Frank L. Bennardo, P.E.

4. Statement letter of no financial interest, issued by Engineering Express, dated 11/11/2022, signed and sealed by Frank L. Bennardo, P.E.

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 24-0102.10
Expiration Date: November 05, 2025
Approval Date: April 11, 2024

RHEEM SALES COMPANY

WEATHERKING UNITS AND STEEL TIE-DOWN CLIPS FOR ROOF AND GRADE MOUNTED APPLICATIONS

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

MARCH 1, 2024

FRANK L. BENNARDO LICENSE No PE0046549 STATE OF FLORIDA PROFESSIONAL ENGINEER

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.

PAGE INDEX

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", "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", "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", "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
NOA–No. 24–0102.10
Expiration Date 11/05/2025
By
Miami–Dade Product Control

DESIGN NOTES:

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

   SEE UNIT SCHEDULE HEREIN FOR MAXIMUM ASD DESIGN WIND PRESSURES

   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.

2. SITE-SPECIFIC WIND ANALYSIS MAY PRODUCE ALTERNATE LIMITATIONS PROVIDED THAT THE MAXIMUM-RATED WIND PRESSURES STATED HEREIN ARE NOT EXCEEDED.

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). THIS SYSTEM MAY BE USED WITHIN AND OUTSIDE OF THE HIGH-VELOCITY HURRICANE ZONE (HVHZ). THIS DESIGN IS NOT INTENDED TO CERTIFY IMPACT RESISTANCE OF THE MECHANICAL UNIT CABINETRY.
2. THIS IS A STRUCTURAL (WIND) PERFORMANCE EVALUATION ONLY. NO ELECTRICAL OR TEMPERATURE PERFORMANCE RATINGS OR CERTIFICATIONS ARE OFFERED OR IMPLIED HEREIN. UNDER NO CIRCUMSTANCE DOES THIS PERFORMANCE EVALUATION GUARANTEE, IMPLY, OR STATE PERFORMANCE OF THE UNIT IS MAINTAINED DURING OR AFTER A DESIGN EVENT.
3. 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 STATIC WIND LOADS.
4. DESIGN & CERTIFICATION OF THE UNIT CABINETRY IS APPROVED THROUGH TEST REPORTS #1023.01-19 & #1023.02-19 BY AMERICAN TEST LAB OF SOUTH FLORIDA AND COMPARATIVE ANALYSIS TO THE TEST RESULTS.
5. **ALL MODELS WITH THE MAXIMUM DIMENSIONS, MINIMUM WEIGHT (125 LB MINIMUM), AND MINIMUM MATERIAL STRENGTH, THICKNESS, AND FASTENERS SHOWN HEREIN ARE COVERED UNDER THIS PERFORMANCE EVALUATION. 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.**
6. ALL SHEET METAL SCREWS USED TO FASTEN CLIPS TO MECHANICAL UNITS SHALL BE #10 (14 MIN THREADS PER INCH) SS316 STEEL OR EQUIVALENT 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. PROVIDE (5) PITCHES MINIMUM PAST THE THREAD PLANE FOR SHEET METAL SCREWS. ALL FASTENER CONNECTIONS TO ALUMINUM SHALL PROVIDE 2xDIAMETER EDGE DISTANCE. FASTENERS SHALL BE CADMIUM-PLATED OR OTHERWISE CORROSION-RESISTANT MATERIAL AND SHALL COMPLY WITH "SPECIFICATIONS FOR ALUMINUM STRUCTURES" SECTION J.3.7.2 BY THE ALUMINUM ASSOCIATION INC., AND ANY APPLICABLE FEDERAL, STATE AND OR LOCAL CODES.
7. REFER TO FASTENER MANUFACTURER'S PUBLISHED DATA SHEETS AND RECOMMENDATIONS FOR FASTENER INSTALLATION INSTRUCTIONS.
8. ALUMINUM ANGLES SPECIFIED HEREIN SHALL BE 6061-T6 ALUMINUM ONLY.
9. 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.
10. THE CONTRACTOR IS RESPONSIBLE FOR INSULATING ALL MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS.

GENERAL NOTES (CONTINUED)

11. ELECTRICAL GROUND, WHEN REQUIRED, TO BE DESIGNED & INSTALLED BY OTHERS.
12. 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.
13. EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.
14. 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.
15. 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.
16. PRODUCT COMPONENTS SHALL BE OF THE MATERIAL(S) SPECIFIED IN THE MANUFACTURER-PROVIDED PRODUCT SPECIFICATIONS. ALL SUPPORTING COMPONENTS WHICH ARE PERMANENTLY INSTALLED SHALL BE PROTECTED AGAINST CORROSION, CONTAMINATION, AND OTHER SUCH DAMAGE AT ALL TIMES.
17. INTERIOR MECHANISM AND/OR ELECTRICAL CIRCUITRY ARE OUTSIDE THE SCOPE OF THIS PROUCT EVALUATION.
18. ENGINEER SEAL AFFIXED HERETO VALIDATES 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.
19. DIMENSIONS ARE SHOWN TO ILLUSTRATE DESIGN FORCES AND OTHER DESIGN CRITERIA. THEY MAY VARY SLIGHTLY, BUT MUST REMAIN WITHIN THE LIMITATIONS SPECIFIED HEREIN. WORK SHALL BE FIELD VERIFIED BY OTHERS.
20. ENGINEERING EXPRESS SHALL BE NOTIFIED AND GIVEN AN OPPORTUNITY TO REEVALUATE OUR WORK UPON DISCOVERY OF ANY INACCURATE INFORMATION PRIOR TO MODIFICATION OF EXISTING FIELD CONDITIONS AND FABRICATION AND INSTALLATION OF MATERIALS.
21. **SURVIVABILITY:** THIS EVALUATION IS VALID FOR A NEWLY INSTALLED UNIT AND DOES NOT INCLUDE CERTIFICATION OF THE PRODUCT BEYOND A DESIGN EVENT OR IF IMPACTED BY ANY DEBRIS. INSPECTIONS SHALL BE IMPLEMENTED ANNUALLY BY THE END USER AND AFTER EVERY NAMED STORM. ALL FASTENERS AND CABINET COMPONENTS ARE TO BE VERIFIED, AND ALL DAMAGED, LOOSE, CORRODED, AND/OR BROKEN FASTENERS AND CABINET COMPONENTS SHALL BE REPLACED TO ENSURE STRUCTURAL INTEGRITY AGAINST HURRICANE WIND FORCES. CONTACT THIS OFFICE FOR ANY REEVALUATION NEEDS OR AS DESIGNATED BY THE AUTHORITY HAVING JURISDICTION.
22. **DURABILITY:** COMPONENTS OR COMPONENT ASSEMBLIES SHALL NOT DETERIORATE, CRACK, FAIL, OR LOSE FUNCTIONALITY DUE TO GALVANIC CORROSION OR WEATHERING. ALL SUPPORTING COMPONENTS WHICH ARE PERMANENTLY INSTALLED SHALL BE PROTECTED AGAINST CORROSION, CONTAMINATION, AND OTHER SUCH DAMAGE AT ALL TIMES. EACH COMPONENT OR COMPONENT ASSEMBLY SHALL BE SUPPORTED AND ORIENTED IN ITS INTENDED INSTALLATION POSITION. ALL EXPOSED PLASTIC COMPONENTS SHALL BE CERTIFIED TO RESIST SUNLIGHT EXPOSURE AS SPECIFIED BY ASTM B117, OR ASTM G155 IN BROWARD OR MIAMI-DADE COUNTIES.
23. **EXTENT OF CERTIFICATION:** CERTIFICATION PERTAINS TO THE OVERALL STRUCTURAL INTEGRITY OF THE UNIT COMPONENTS LISTED WITHIN THE EVALUATION AS REQUIRED BY CODE, SUBJECT TO THE LIMITATIONS AND CRITERIA STATED HEREIN. OPERABILITY DURING OR AFTER A DESIGN EVENT IS NOT INCLUDED IN THIS CERTIFICATION. WATER INFILTRATION IS OUTSIDE THE BOUNDS OF THIS CERTIFICATION. NO OTHER CERTIFICATIONS ARE INTENDED OTHER THAN AS DESCRIBED HEREIN. THIS EVALUATION ALONE DOES NOT OFFER ANY EVALUATION FOR LARGE MISSILE IMPACT DEBRIS OR CYCLIC WIND REQUIREMENTS UNLESS SPECIFICALLY STATED HEREIN.
24. ALTERATIONS OR ADDITIONS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE OUR CERTIFICATION.

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

WEATHERKING UNITS AND STEEL TIE-DOWN CLIPS
FOR ROOF AND GRADE MOUNTED APPLICATIONS
FBC EIGHTH EDITION (2023) | MIAMI-DADE NOA

REMARKS	DRWN	CHKD	DATE
PREV. SUBMITTAL (22-54289)	EPR	RWN	01/26/23
2023 FBC UPDATE	MRT	EPR	12/12/23
REVISION	MRT	ER/RN	02/26/24
-	-	-	-
-	-	-	-
-	-	-	-

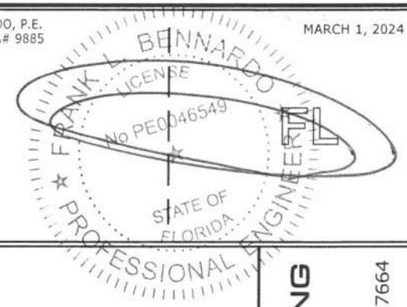
23-67819

SCALE: NTS UNLESS NOTED

01 OF 5

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

MARCH 1, 2024



UNIT SCHEDULE

TESTED UNIT MODELS

MODEL #	UNIT DIMENSIONS (INCHES)			UNIT NET WEIGHT (LB)	MAX. ASD AT-GRADE WIND PRESSURES (PSF) [4 CLIPS]		MAX. ASD ROOFTOP WIND PRESSURES (PSF)	
	WIDTH	LENGTH	HEIGHT		LATERAL	UPLIFT	LATERAL	UPLIFT
WA1318AJ1NA	23.625	23.625	24.25	125	[60]	[60]	130	103
WA1636AJ1NA	31.625	31.625	35.375	201	[60]	[60]	130	103

APPROVED UNIT SCHEDULE

UNIT DIMENSIONS (INCHES)			MAX. ASD AT-GRADE WIND PRESSURES (PSF) [4 CLIPS] <8 CLIPS>	MAX. ASD ROOFTOP WIND PRESSURES (PSF)	
WIDTH	LENGTH	HEIGHT	LATERAL	LATERAL	UPLIFT
29.54	29.54	25.65	[60]	130	103
29.54	29.54	27.65	[60]	130	103
27.63	27.63	24.25	[60]	130	103
23.63	23.63	32.25	[60]	130	103
27.63	27.63	32.25	[60]	130	103
33.66	33.66	25.65	[60]	130	90
33.66	33.66	27.65	[60]	130	90
33.66	33.66	31.65	[60]	130	90
35.54	35.54	31.65	[59] < 60 >	129	81
31.63	31.63	35.38	[55] < 60 >	119	90
33.66	33.66	35.65	[55] < 60 >	119	90
33.66	33.66	39.65	[50] < 60 >	105	82
35.54	35.54	39.65	[47] < 60 >	100	78
35.54	35.54	45.65	[41] < 60 >	84	66
35.54	35.54	51.65	[35] < 60 >	70	55

UNIT SCHEDULE NOTES

1. ALL UNIT MODEL NET WEIGHTS SHALL BE 125 LB MINIMUM IN ACCORDANCE WITH GENERAL NOTE #4.

2. FOR AT-GRADE PRESSURE RATINGS: PRESSURES LISTED IN SQUARE BRACKETS "[ ]" ARE FOR (4) TIE-DOWN CLIP CONFIGURATIONS PER PAGE 04.
PRESSURES IN "< >" BRACKETS ARE FOR (8) TIE-DOWN CLIP CONFIGURATIONS PER PAGE 05.

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

PRODUCT REVISED
as complying with the Florida Building Code
NOA–No. 24–0102.10
Expiration Date 11/05/2025
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
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(770) 351-3000

WEATHERKING UNITS AND STEEL TIE-DOWN CLIPS
FOR ROOF AND GRADE MOUNTED APPLICATIONS
FBC EIGHTH EDITION (2023) | MIAMI-DADE NOA

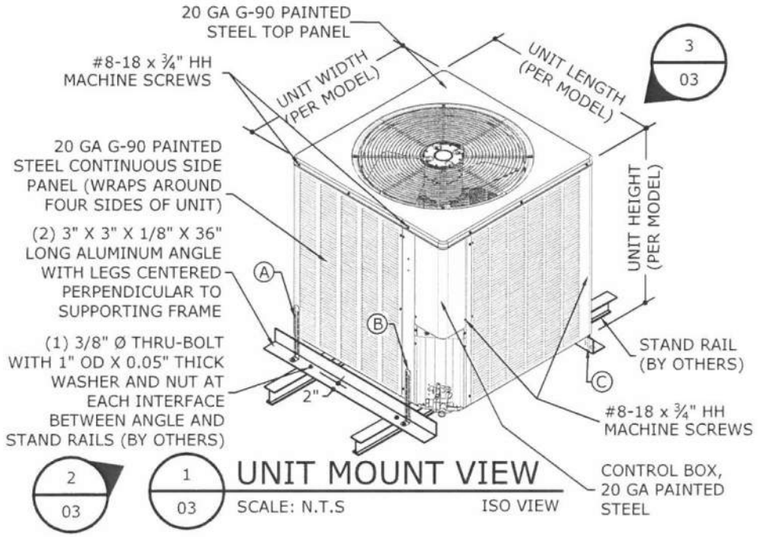
REMARKS	DRWN	CHKD	DATE
PREV. SUBMITTAL (22-54280)	EPR	RWN	01/26/23
2023 FBC UPDATE	MRT	EPR	12/12/23
REVISION	MRT	ER/RN	02/26/24
-	-	-	-
-	-	-	-

23-67819

SCALE: NTS UNLESS NOTED

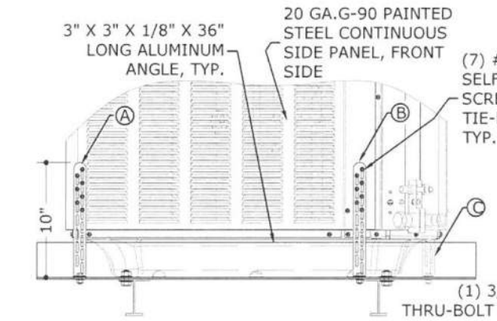
02 OF 5

ROOFTOP INSTALLATIONS



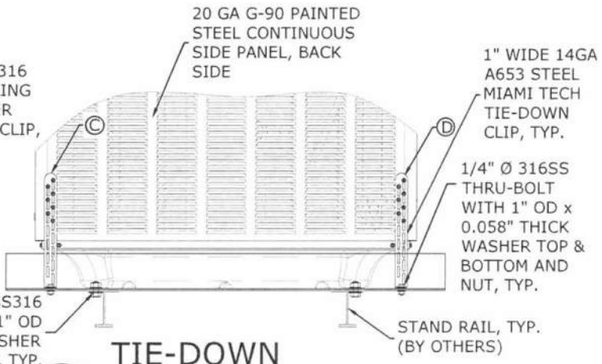
2 03 1 03 UNIT MOUNT VIEW

SCALE: N.T.S ISO VIEW



2 03 TIE-DOWN CLIP ATTACHMENT

SCALE: N.T.S FRONT VIEW

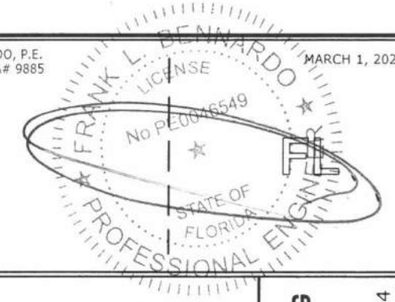


3 03 TIE-DOWN CLIP ATTACHMENT

SCALE: N.T.S BACK VIEW

PRODUCT REVISED
as complying with the Florida Building Code
NOA–No. 24–0102.10
Expiration Date 11/05/2025
By
Miami–Dade Product Control

FRANK BENNARDO, P.E.
PE# 0046549 CA# 9885
MARCH 1, 2024



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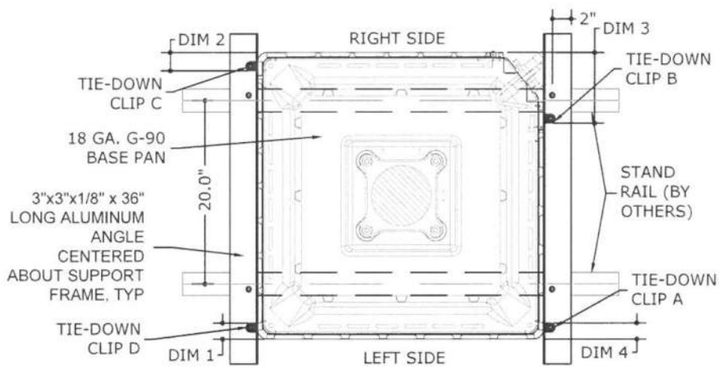
WEATHERKING UNITS AND STEEL TIE-DOWN CLIPS
FOR ROOF AND GRADE MOUNTED APPLICATIONS
FBC EIGHTH EDITION (2023) | MIAMI-DADE NOA

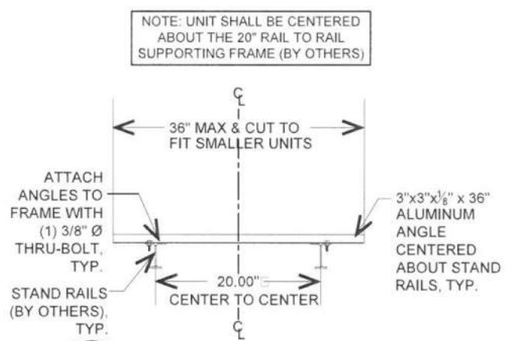


4 03 TIE-DOWN CLIP LAYOUT

SCALE: N.T.S TOP VIEW

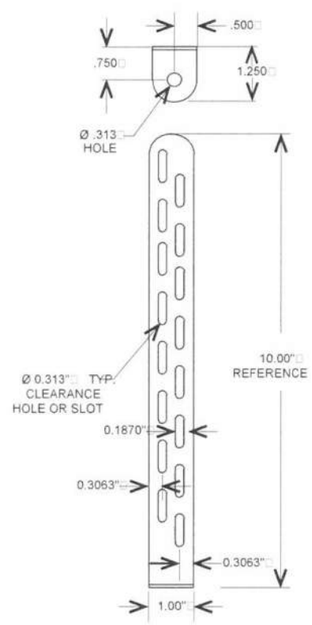
TIE-DOWN CLIP OFFSETS:

DIM. 1	1-1/4" MAX OFFSET FROM LEFT SIDE
DIM. 2	1-1/2" MAX OFFSET FROM RIGHT SIDE
DIM. 3	6-3/4" MAX OFFSET FROM RIGHT SIDE
DIM. 4	1-3/4" MAX OFFSET FROM LEFT SIDE



5 03 SUPPORT ANGLE

N.T.S. ELEVATION



TIE-DOWN CLIP

MIAMI TECH CLIP: 14GA
(0.07") G-90 ASTM A653
Fu=45 KSI STEEL
(CUTD10).

ROOFTOP: TIE-DOWN DIRECTIVE

1. TIE-DOWN CLIPS SHALL BE AS SHOWN OR EQUIVALENT.
2. SEE DETAILS FOR CLIP ANCHOR TO HOST STRUCTURE AND CLIP FASTENERS TO UNIT QUANTITIES AND SPECIFICATIONS.
3. FOR FASTENERS TO UNIT: UTILIZE ANY CLIP SLOTS THAT HAVE FLUSH, SOLID CONTACT WITH THE UNIT, (1) SCREW PER SLOT, TYP. ENSURE ALL SCREWS FULLY ENGAGE WITH THE UNIT. CARE MUST BE TAKEN TO AVOID SCREW CONTACT WITH INTERNAL PIPING AND COMPONENTS. EXERCISE CAUTION WITH SCREW INSTALLATION.
4. TIE-DOWN CLIPS SHALL SIT FLUSH ON SUPPORT ANGLE AND FLUSH AGAINST THE UNIT.
5. POSITION ONE TIE-DOWN CLIP PER UNIT CORNER. SEE DETAILS FOR TIE-DOWN CLIP LOCATIONS.

REMARKS	DRWN	CHKD	DATE
PREV. SUBMITTAL (22-54280)	EPR	RVN	01/26/23
2023 FBC UPDATE	MRT	EPR	12/12/23
REVISION	MRT	ER/RN	02/26/24
-	-	-	-
-	-	-	-

23-67819

SCALE: NTS UNLESS NOTED

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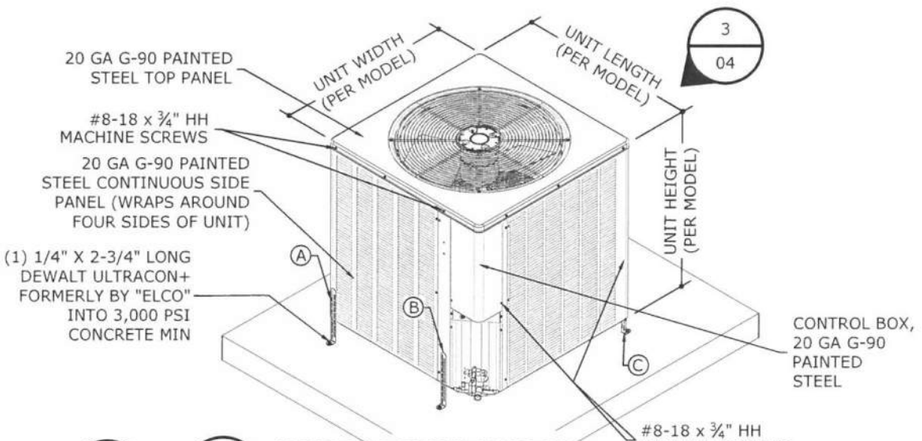
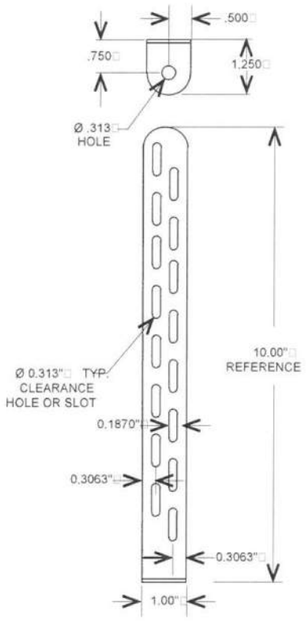
AT-GRADE INSTALLATIONS - (4) CLIP CONFIGURATION



2 04 1 04 UNIT MOUNT VIEW

SCALE: N.T.S ISO VIEW



TIE-DOWN CLIP

MIAMI TECH CLIP: 14GA (0.07") G-90 ASTM A653 Fu=45 KSI STEEL (CUTD10).

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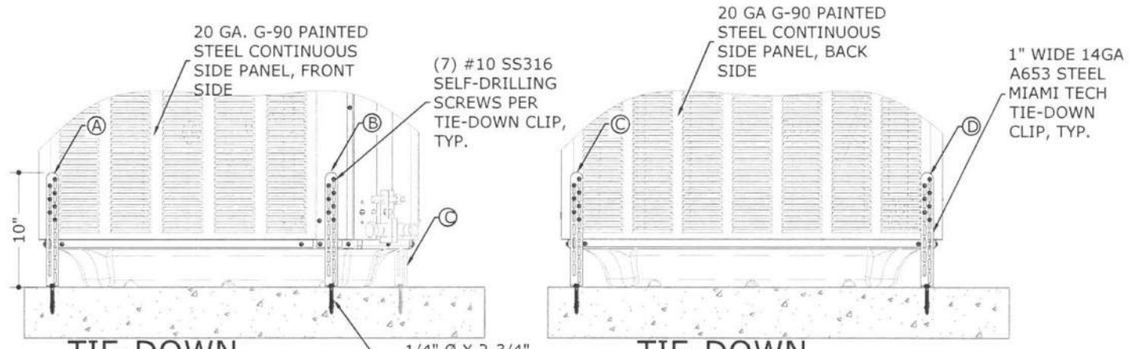
FRANK BENNARDO, P.E.
PE# 0046549 CA# 9885
MARCH 1, 2024
FRANK L BENNARDO LICENSE No PE0046549 STATE OF FLORIDA PROFESSIONAL ENGINEER

(4) CLIP CONFIGURATION: TIE-DOWN DIRECTIVE

1. TIE-DOWN CLIPS SHALL BE AS SHOWN OR EQUIVALENT.
2. SEE DETAILS FOR CLIP ANCHOR TO HOST STRUCTURE AND CLIP FASTENERS TO UNIT QUANTITIES AND SPECIFICATIONS.
3. FOR FASTENERS TO UNIT: UTILIZE ANY CLIP SLOTS THAT HAVE FLUSH, SOLID CONTACT WITH THE UNIT, (1) SCREW PER SLOT, TYP. ENSURE ALL SCREWS FULLY ENGAGE WITH THE UNIT. CARE MUST BE TAKEN TO AVOID SCREW CONTACT WITH INTERNAL PIPING AND COMPONENTS. EXERCISE CAUTION WITH SCREW INSTALLATION.
4. TIE-DOWN CLIPS SHALL SIT FLUSH ON HOST STRUCTURE AND FLUSH AGAINST THE UNIT.
5. POSITION ONE TIE-DOWN CLIP PER UNIT CORNER. SEE DETAILS FOR TIE-DOWN CLIP LOCATIONS.
6. FOR TIE-DOWN CLIP ANCHORS: PROVIDE 2-1/2" MIN. EDGE DISTANCE TO ANY EDGE OF THE HOST CONCRETE AND 1-1/2" MIN. SPACING BETWEEN NEIGHBORING CONCRETE ANCHORS, TYP.

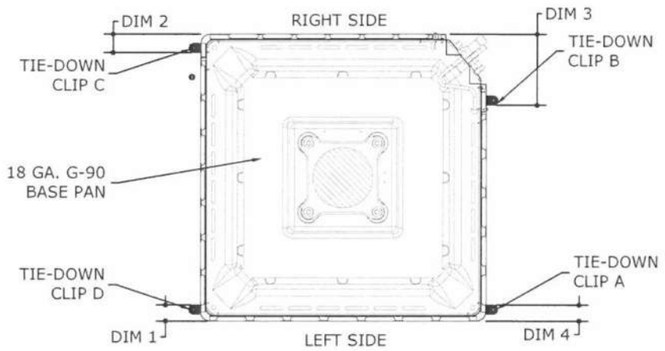


2 04 TIE-DOWN CLIP ATTACHMENT

SCALE: N.T.S FRONT VIEW

3 04 TIE-DOWN CLIP ATTACHMENT

SCALE: N.T.S BACK VIEW



4 04 TIE-DOWN CLIP LAYOUT

SCALE: N.T.S TOP VIEW

TIE-DOWN CLIP OFFSETS:

DIM. 1	1-1/4" MAX OFFSET FROM LEFT SIDE
DIM. 2	1-1/2" MAX OFFSET FROM RIGHT SIDE
DIM. 3	6-3/4" MAX OFFSET FROM RIGHT SIDE
DIM. 4	1-1/4" MAX OFFSET FROM LEFT SIDE

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WEATHERKING UNITS AND STEEL TIE-DOWN CLIPS
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FBC EIGHTH EDITION (2023) | MIAMI-DADE NOA

REMARKS	DRWN	CHKD	DATE
PREV. SUBMITTAL (22-54280)	EPR	RWN	01/26/23
2023 FBC UPDATE	MRT	EPR	12/12/23
REVISION	MRT	ER/RN	02/26/24
-	-	-	-
-	-	-	-
-	-	-	-

23-67819

SCALE: NTS UNLESS NOTED

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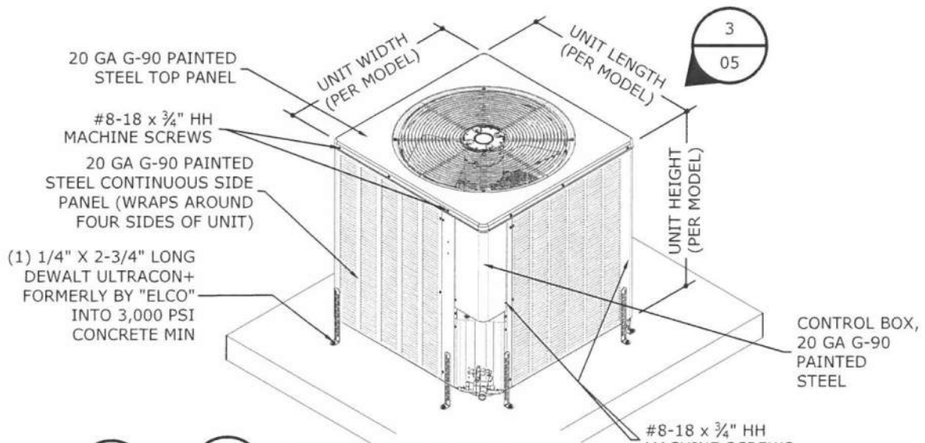
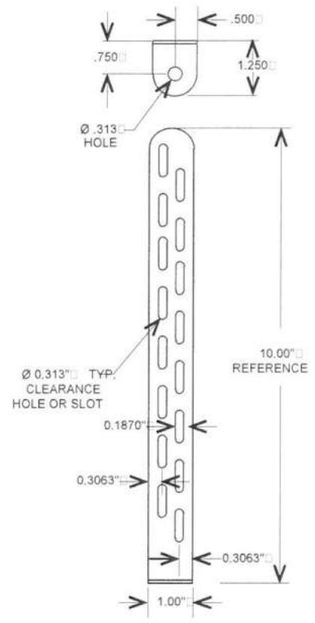
AT-GRADE INSTALLATIONS - (8) CLIP CONFIGURATION



2/05 1/05 UNIT MOUNT VIEW

SCALE: N.T.S ISO VIEW



TIE-DOWN CLIP

MIAMI TECH CLIP: 14GA (0.07") G-90 ASTM A653 Fu=45 KSI STEEL (CUTD10).

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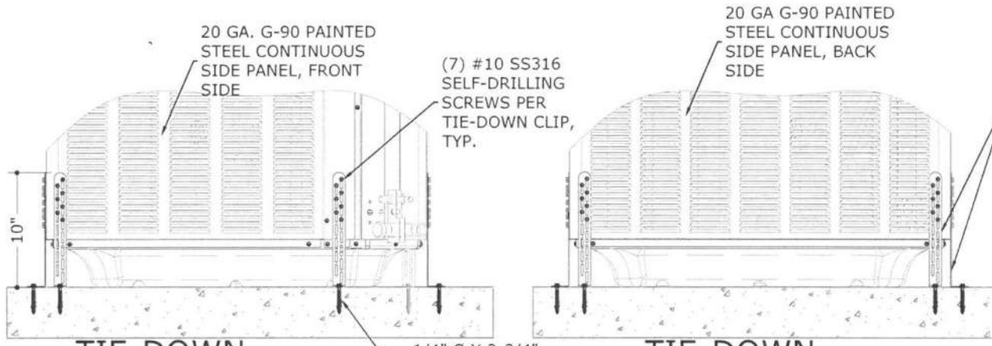
PE# 0046549 CA# 9885

MARCH 1, 2024

FRANK J. BENNARDO LICENSE No PE0046549 STATE OF FLORIDA PROFESSIONAL ENGINEER

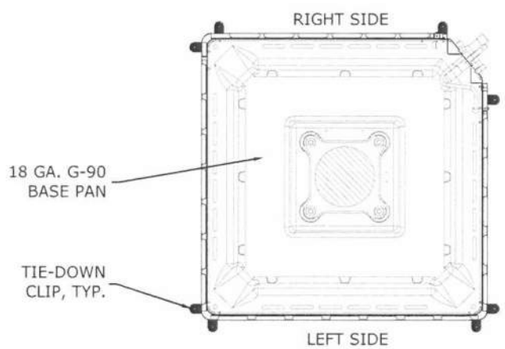
(8) CLIP CONFIGURATION: TIE-DOWN DIRECTIVE

1. TIE-DOWN CLIPS SHALL BE AS SHOWN OR EQUIVALENT.
2. SEE DETAILS FOR CLIP ANCHOR TO HOST STRUCTURE AND CLIP FASTENERS TO UNIT QUANTITIES AND SPECIFICATIONS.
3. FOR FASTENERS TO UNIT: UTILIZE ANY CLIP SLOTS THAT HAVE FLUSH, SOLID CONTACT WITH THE UNIT, (1) SCREW PER SLOT, TYP. ENSURE ALL SCREWS FULLY ENGAGE WITH THE UNIT. CARE MUST BE TAKEN TO AVOID SCREW CONTACT WITH INTERNAL PIPING AND COMPONENTS. EXERCISE CAUTION WITH SCREW INSTALLATION.
4. TIE-DOWN CLIPS SHALL SIT FLUSH ON HOST STRUCTURE AND FLUSH AGAINST THE UNIT.
5. POSITION TWO TIE-DOWN CLIPS PER UNIT CORNER. SEE DETAILS FOR SUGGESTED TIE-DOWN CLIP LOCATIONS.
6. FOR TIE-DOWN CLIP ANCHORS: PROVIDE 2-1/2" MIN. EDGE DISTANCE TO ANY EDGE OF THE HOST CONCRETE AND 1-1/2" MIN. SPACING BETWEEN NEIGHBORING CONCRETE ANCHORS, TYP.



2/05 TIE-DOWN CLIP ATTACHMENT — SCALE: N.T.S FRONT VIEW

3/05 TIE-DOWN CLIP ATTACHMENT — SCALE: N.T.S BACK VIEW



4/05 TIE-DOWN CLIP LAYOUT — SCALE: N.T.S TOP VIEW

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