



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](http://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. **22-54280**, titled “Weatherking Units and Tie-Down Clips for Roof and Grade Mounted Applications”, sheets 1 and 7 of 7, dated 03/10/2020, with revision dated 01/26/2023, 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 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. 21-0628.21** 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.**



**NOA No. 23-0103.05**  
**Expiration Date: November 05, 2025**  
**Approval Date: February 23, 2023**

**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 6<sup>th</sup> 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. 23-0103.05  
Expiration Date: November 05, 2025  
Approval Date: February 23, 2023

**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 7<sup>th</sup> 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. 23-0103.05**  
**Expiration Date: November 05, 2025**  
**Approval Date: February 23, 2023**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**3. NEW EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Drawing No. **22-54280**, titled “Weatherking Units and Tie-Down Clips for Roof and Grade Mounted Applications”, sheets 1 and 7 of 7, dated 03/10/2020, with revision dated 01/26/2023, prepared by Engineering Express, signed and sealed by Frank L. Bennardo, P.E.

**B. TESTS**

1. None.

**C. CALCULATIONS**

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 7<sup>th</sup> Edition (2020) of the FBC, issued by Engineering Express, dated 11/11/2022, , signed and sealed by Frank L. Bennardo, P.E.
2. 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. 23-0103.05**  
**Expiration Date: November 05, 2025**  
**Approval Date: February 23, 2023**

1/30/2023 1:29 PM ERIC c:\users\eric\engineering\express\production - documents\projects\22-54280 weathering new unit models\work\2020 fbc\order 10579 - noa rev sub 2022-12-23\docs for review\6 - 22-54280k noa.dwg

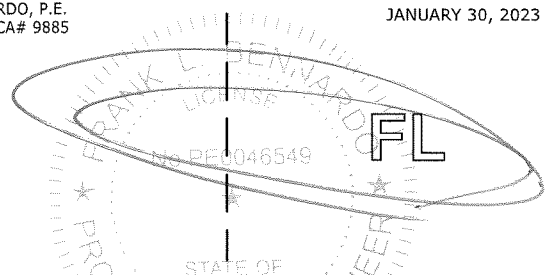
# RHEEM SALES COMPANY

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

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

JANUARY 30, 2023



### PAGE INDEX

DESCRIPTION	PAGE #
DESIGN & GENERAL NOTES, UNIT MODEL SUMMARY	01
UNIT SCHEDULE (PAGE 1 OF 3)	02
UNIT SCHEDULE (PAGE 2 OF 3)	03
UNIT SCHEDULE (PAGE 3 OF 3)	04
ROOFTOP INSTALLATIONS	05
AT-GRADE INSTALLATIONS: (4) CLIP CONFIGURATIONS	06
AT-GRADE INSTALLATIONS: (8) CLIP CONFIGURATIONS	07

### APPROVED DESIGN CRITERIA

SEE UNIT SCHEDULE NEXT PAGE FOR MAXIMUM ASD DESIGN WIND PRESSURES


### DESIGN NOTES

- SITE-SPECIFIC ASD WIND PRESSURES SHALL BE DETERMINED IN ACCORDANCE WITH ASCE 7-16 AND CHAPTER 16 OF THE FLORIDA BUILDING CODE AND SHALL BE LESS THAN OR EQUAL TO THE MAXIMUM ASD DESIGN WIND PRESSURES LISTED HEREIN FOR THE UNIT MODEL IN QUESTION. DESIGN PRESSURES SHALL BE DETERMINED BY A REGISTERED DESIGN PROFESSIONAL ON A JOB-SPECIFIC BASIS IN ACCORDANCE WITH THE GOVERNING CODE AND ALLOWABLE STRESS DESIGN (ASD) METHODOLOGY.

### UNIT MODEL SUMMARY

UNIT MODEL SUMMARY	
DRAC13*	yA13*
DRAC14*	yA14*
DRAC15*	yA15*
DRACS14*	yP14*
DRHP14*	yP15*
DRHP15*	ySA14*
DRHPS14*	ySP14*

- FOR THE UNIT MODEL SUMMARY TABLE SHOWN ABOVE:
  - MODEL NUMBER CHARACTERS MARKED BY A "y" IS PERMITTED TO BE ONE OF THE FOLLOWING SETS OF CHARACTERS: "MP", "TZ", OR "W".
  - MODEL NUMBER CHARACTERS MARKED BY AN ASTERISK, "\*", DO NOT PERTAIN TO THIS STRUCTURAL CERTIFICATION AND ARE PERMITTED TO BE ANY COMBINATION OF LETTERS OR NUMBERS. (DOES NOT AFFECT THE STRUCTURAL INTEGRITY OF THE UNIT).
- SEE THE UNIT SCHEDULE ON THE FOLLOWING PAGES FOR FULL MODEL SPECIFICATIONS, DIMENSIONS, AND MAXIMUM WIND PRESSURE LIMITATIONS.

**PRODUCT REVISED**  
as complying with the Florida  
**Building Code**  
NOA-No. 23-0103.05  
Expiration Date 11/05/2025  
By   
**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 SEVENTH EDITION (2020). THIS SYSTEM MAY BE USED WITHIN AND OUTSIDE THE HIGH VELOCITY HURRICANE ZONE. THIS DESIGN IS NOT INTENDED TO CERTIFY IMPACT RESISTANCE OF THE MECHANICAL UNIT CABINETRY.
- NO 33-1/3% INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS SYSTEM.
- DESIGN & CERTIFICATION OF THE UNIT CABINETRY IS APPROVED THROUGH TEST REPORT#1023.01-19 & #1023.02-19 BY AMERICAN TEST LAB OF SOUTH FLORIDA AND COMPARATIVE ANALYSIS TO THE TEST RESULTS.
- ALL DIMENSIONS AND THE MINIMUM WEIGHT (125 LB MINIMUM) OF MECHANICAL UNIT SHALL CONFORM TO LIMITATIONS STATED HEREIN. ALL MECHANICAL SPECIFICATIONS (CLEAR SPACE, TONNAGE, ETC.) SHALL BE AS PER MANUFACTURER RECOMMENDATIONS AND ARE THE EXPRESS RESPONSIBILITY OF THE CONTRACTOR.
- 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 FASTENERS SHALL HAVE APPROPRIATE CORROSION PROTECTION TO PREVENT ELECTROLYSIS. ALL FASTENER CONNECTIONS TO ALUMINUM SHALL PROVIDE 2xDIAMETER EDGE DISTANCE.
- 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.
- THE CONTRACTOR IS RESPONSIBLE TO INSULATE ALL MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS.
- ELECTRICAL GROUND, WHEN REQUIRED, TO BE DESIGNED & INSTALLED BY OTHERS.
- 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. THE PERMITTING CONTRACTOR/BUILDING OFFICIAL SHALL VERIFY THAT THE SUBSTRATE IS SOUND FOR INSTALLATION OF THIS SYSTEM.
- EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.
- 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.
- 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.
- INTERIOR MECHANISM AND/OR ELECTRICAL CIRCUITRY ARE OUTSIDE THE SCOPE OF THIS PRODUCT EVALUATION.
- 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.
- 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.
- 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.
- ALTERATIONS OR ADDITIONS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE OUR CERTIFICATION.

**ENGINEERING EXPRESS®**  
POSTAL ADDRESS:  
401 W. ATLANTIC AVE R10 BOX 219  
DELRAY BEACH, FL 33444  
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 7TH EDITION (2020) | MIAMI-DADE COUNTY NOA

REMARKS	DRWN	CHKD	DATE
INIT ISSUE (19-7517)	LAO	FLB	03/10/20
ADDRESS MD COMMENTS	EPR	RWN	08/19/20
FBC 7th ED (2020) UPDATE	EPR	RWN	06/25/21
FIX MD COMMENTS (21-40560)	EPR	RWN	08/26/21
REV - ADD MODELS (22-54280)	MRT	RWN	11/18/22
REV PER MD COMMENTS	EPR	RWN	01/26/23

COPYRIGHT ENGINEERING EXPRESS®

**22-54280**  
SCALE: NTS UNLESS NOTED

01



1/30/2023 1:29 PM ERIC c:\users\eric\engineering\_express\production - documents\projects\22-54280-weatherking\_new\_unit\_models\work\2020\_fbc\order\_10579 - noa rev sub 2022-12-23\docs for review\6 - 22-54280k noa.dwg

# UNIT SCHEDULE (CONTINUED ON FOLLOWING PAGES)

## 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 MODELS (CONTINUED ON FOLLOWING PAGES)

MODEL #	UNIT DIMENSIONS (INCHES)			MAX. ASD AT-GRADE WIND PRESSURES (PSF) [4 CLIPS] <8 CLIPS>		MAX. ASD ROOFTOP WIND PRESSURES (PSF)	
	WIDTH	LENGTH	HEIGHT	LATERAL	UPLIFT	LATERAL	UPLIFT
DRAC13A18AJ1NNA	29.54	29.54	25.65	[ 60 ]	[ 60 ]	130	103
DRAC13A24AJ1NNA	33.66	33.66	25.65	[ 60 ]	[ 60 ]	130	90
DRAC13A30AJ1NNA	33.66	33.66	25.65	[ 60 ]	[ 60 ]	130	90
DRAC13A36AJ1NNA	33.66	33.66	25.65	[ 60 ]	[ 60 ]	130	90
DRAC13A42AJ1NNA	33.66	33.66	27.65	[ 60 ]	[ 60 ]	130	90
DRAC13A48AJ1NNA	35.54	35.54	39.65	[ 47 ] < 60 >	[ 37 ] < 60 >	100	78
DRAC13A60AJ1NNA	35.54	35.54	45.65	[ 41 ] < 60 >	[ 32 ] < 60 >	84	66
DRAC14A18AJ1ANA	29.54	29.54	25.65	[ 60 ]	[ 60 ]	130	103
DRAC14A24AJ1ANA	33.66	33.66	25.65	[ 60 ]	[ 60 ]	130	90
DRAC14A30AJ1ANA	33.66	33.66	27.65	[ 60 ]	[ 60 ]	130	90
DRAC14A36AJ1ANA	33.66	33.66	31.65	[ 60 ]	[ 60 ]	130	90
DRAC14A42AJ1ANA	33.66	33.66	35.65	[ 55 ] < 60 >	[ 43 ] < 60 >	119	90
DRAC14A48AJ1ANA	33.66	33.66	35.65	[ 55 ] < 60 >	[ 43 ] < 60 >	119	90
DRAC14A60AJ1ANA	35.54	35.54	51.65	[ 35 ] < 60 >	[ 27 ] < 60 >	70	55
DRAC15A24AJ3ANA	29.54	29.54	27.65	[ 60 ]	[ 60 ]	130	103
DRAC15A36AJ3ANA	33.66	33.66	27.65	[ 60 ]	[ 60 ]	130	90
DRAC15A48AJ3ANA	33.66	33.66	31.65	[ 60 ]	[ 60 ]	130	90
DRAC15A60AJ3ANA	35.54	35.54	31.65	[ 59 ] < 60 >	[ 46 ] < 60 >	129	81
DRACS14A18AJ1ANA	23.63	23.63	32.25	[ 60 ]	[ 60 ]	130	103
DRACS14A24AJ1ANA	23.63	23.63	32.25	[ 60 ]	[ 60 ]	130	103
DRACS14A30AJ1ANA	27.63	27.63	32.25	[ 60 ]	[ 60 ]	130	103
DRHP14A18AJ1ANA	29.54	29.54	25.65	[ 60 ]	[ 60 ]	130	103
DRHP14A18AJ2ANA	29.54	29.54	25.65	[ 60 ]	[ 60 ]	130	103
DRHP14A24AJ2ANA	29.54	29.54	25.65	[ 60 ]	[ 60 ]	130	103
DRHP14A30AJ2ANA	33.66	33.66	27.65	[ 60 ]	[ 60 ]	130	90
DRHP14A36AJ2ANA	33.66	33.66	35.65	[ 55 ] < 60 >	[ 43 ] < 60 >	119	90
DRHP14A42AJ2ANA	33.66	33.66	35.65	[ 55 ] < 60 >	[ 43 ] < 60 >	119	90
DRHP14A48AJ2ANA	33.66	33.66	35.65	[ 55 ] < 60 >	[ 43 ] < 60 >	119	90
DRHP14A60AJ2ANA	35.54	35.54	45.65	[ 41 ] < 60 >	[ 32 ] < 60 >	84	66
DRHP15A18AJ2ANA	29.54	29.54	25.65	[ 60 ]	[ 60 ]	130	103
DRHP15A24AJ2ANA	29.54	29.54	25.65	[ 60 ]	[ 60 ]	130	103
DRHP15A30AJ2ANA	33.66	33.66	35.65	[ 55 ] < 60 >	[ 43 ] < 60 >	119	90

# UNIT SCHEDULE NOTES

1. MODEL NUMBER CHARACTERS MARKED BY AN "X" IN THE MODEL TABLES ARE PERMITTED TO BE ANY LETTER OR NUMBER. (DOES NOT AFFECT THE STRUCTURAL INTEGRITY OF THE UNIT).
2. ALL UNIT MODEL NET WEIGHTS SHALL BE 125 LB MINIMUM IN ACCORDANCE WITH GENERAL NOTE #4.
3. FOR AT-GRADE PRESSURE RATINGS: PRESSURES LISTED IN SQUARE BRACKETS "[ ]" ARE FOR (4) TIE-DOWN CLIP CONFIGURATIONS PER PAGE 06. PRESSURES IN "< >" BRACKETS ARE FOR (8) TIE-DOWN CLIP CONFIGURATIONS PER PAGE 07.

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

JANUARY 30, 2023

**PRODUCT REVISED**  
as complying with the Florida Building Code  
NOA-No. 23-0103.05  
Expiration Date 11/05/2025

By *[Signature]*  
Miami-Dade Product Control

MODEL #	UNIT DIMENSIONS (INCHES)			MAX. ASD AT-GRADE WIND PRESSURES (PSF) [4 CLIPS] <8 CLIPS>		MAX. ASD ROOFTOP WIND PRESSURES (PSF)	
	WIDTH	LENGTH	HEIGHT	LATERAL	UPLIFT	LATERAL	UPLIFT
DRHP15A36AJ2ANA	33.66	33.66	39.65	[ 50 ] < 60 >	[ 39 ] < 60 >	105	82
DRHP15A42AJ2ANA	33.66	33.66	39.65	[ 50 ] < 60 >	[ 39 ] < 60 >	105	82
DRHP15A48AJ2ANA	33.66	33.66	39.65	[ 50 ] < 60 >	[ 39 ] < 60 >	105	82
DRHP15A60AJ2ANA	35.54	35.54	51.65	[ 35 ] < 60 >	[ 27 ] < 60 >	70	55
DRHPS14A18AJ2ANA	23.63	23.63	32.25	[ 60 ] < 60 >	[ 60 ] < 60 >	130	103
DRHPS14A24AJ2ANA	23.63	23.63	32.25	[ 60 ]	[ 60 ]	130	103
DRHPS14A30AJ2ANA	27.63	27.63	32.25	[ 60 ]	[ 60 ]	130	103
MPA13NZ18AJ1NA	29.54	29.54	25.65	[ 60 ]	[ 60 ]	130	103
MPA13NZ24AJ1NA	33.66	33.66	25.65	[ 60 ]	[ 60 ]	130	90
MPA13NZ30AJ1NA	33.66	33.66	25.65	[ 60 ]	[ 60 ]	130	90
MPA13NZ36AJ1NA	33.66	33.66	25.65	[ 60 ]	[ 60 ]	130	90
MPA13NZ42AJ1NA	33.66	33.66	27.65	[ 60 ]	[ 60 ]	130	90
MPA13NZ48AJ1NA	35.54	35.54	39.65	[ 47 ] < 60 >	[ 37 ] < 60 >	100	78
MPA13NZ60AJ1NA	35.54	35.54	45.65	[ 41 ] < 60 >	[ 32 ] < 60 >	84	66
MPA14AZ18AJ1NA	29.54	29.54	25.65	[ 60 ]	[ 60 ]	130	103
MPA14AZ24AJ1NA	33.66	33.66	25.65	[ 60 ]	[ 60 ]	130	90
MPA14AZ30AJ1NA	33.66	33.66	27.65	[ 60 ]	[ 60 ]	130	90
MPA14AZ36AJ1NA	33.66	33.66	31.65	[ 60 ]	[ 60 ]	130	90
MPA14AZ42AJ1NA	33.66	33.66	35.65	[ 55 ] < 60 >	[ 43 ] < 60 >	119	90
MPA14AZ48AJ1NA	33.66	33.66	35.65	[ 55 ] < 60 >	[ 43 ] < 60 >	119	90
MPA14AZ60AJ1NA	35.54	35.54	51.65	[ 35 ] < 60 >	[ 27 ] < 60 >	70	55
MPA15AZ24AJ3NA	29.54	29.54	27.65	[ 60 ]	[ 60 ]	130	103
MPA15AZ36AJ3NA	33.66	33.66	27.65	[ 60 ]	[ 60 ]	130	90
MPA15AZ48AJ3NA	33.66	33.66	31.65	[ 60 ]	[ 60 ]	130	90
MPA15AZ60AJ3NA	35.54	35.54	31.65	[ 59 ] < 60 >	[ 46 ] < 60 >	129	81
MPP14AZ18AJ1NA	29.54	29.54	25.65	[ 60 ]	[ 60 ]	130	103
MPP14AZ18AJ2NA	29.54	29.54	25.65	[ 60 ]	[ 60 ]	130	103
MPP14AZ24AJ2NA	29.54	29.54	25.65	[ 60 ]	[ 60 ]	130	103
MPP14AZ30AJ2NA	33.66	33.66	27.65	[ 60 ]	[ 60 ]	130	90
MPP14AZ36AJ2NA	33.66	33.66	35.65	[ 55 ] < 60 >	[ 43 ] < 60 >	119	90
MPP14AZ42AJ2NA	33.66	33.66	35.65	[ 55 ] < 60 >	[ 43 ] < 60 >	119	90
MPP14AZ48AJ2NA	33.66	33.66	35.65	[ 55 ] < 60 >	[ 43 ] < 60 >	119	90
MPP14AZ60AJ2NA	35.54	35.54	45.65	[ 41 ] < 60 >	[ 32 ] < 60 >	84	66

**ENGINEERING EXPRESS**

POSTAL ADDRESS:  
401 W. ATLANTIC AVE R10 BOX 219  
DELRAY BEACH, FL 33444  
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 7TH EDITION (2020) | MIAMI-DADE COUNTY NOA

REMARKS	DRWN	CHKD	DATE
INIT ISSUE (19-7517)	LAO	FLB	03/10/20
ADDRESS MD COMMENTS	EPR	RWN	08/18/20
FBC 7th ED (2020) UPDATE	EPR	RWN	06/25/21
FIX MD COMMENTS (21-40650)	EPR	RWN	08/26/21
REV - ADD MODELS (22-54280)	MFT	RWN	11/18/22
REV PER MD COMMENTS	EPR	RWN	01/26/23

COPYRIGHT ENGINEERING EXPRESS®

**22-54280**

SCALE: NTS UNLESS NOTED

**02** OF **7**



1/30/2023 1:29 PM ERIC c:\users\eric\engineering\express\production - documents\projects\22-54280\weatherking new unit models\work\2020 fbc\order\_10579 - noa rev sub 2022-12-23\docs for review\6 - 22-54280k noa.dwg

# UNIT SCHEDULE CONTINUED

## UNIT SCHEDULE NOTES

1. MODEL NUMBER CHARACTERS MARKED BY AN "x" IN THE MODEL TABLES ARE PERMITTED TO BE ANY LETTER OR NUMBER. (DOES NOT AFFECT THE STRUCTURAL INTEGRITY OF THE UNIT).

2. ALL UNIT MODEL NET WEIGHTS SHALL BE 125 LB MINIMUM IN ACCORDANCE WITH GENERAL NOTE #4.
3. FOR AT-GRADE PRESSURE RATINGS: PRESSURES LISTED IN SQUARE BRACKETS "[ ]" ARE FOR (4) TIE-DOWN CLIP CONFIGURATIONS PER PAGE 06. PRESSURES IN "< >" BRACKETS ARE FOR (8) TIE-DOWN CLIP CONFIGURATIONS PER PAGE 07.

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

JANUARY 30, 2023

## APPROVED UNIT MODELS CONTINUED

**PRODUCT REVISED**  
as complying with the Florida Building Code  
NOA-No. 23-0103.05  
Expiration Date 11/05/2025

By *[Signature]*  
Miami-Dade Product Control

MODEL #	UNIT DIMENSIONS (INCHES)			MAX. ASD AT-GRADE WIND PRESSURES (PSF) [4 CLIPS] <8 CLIPS>		MAX. ASD ROOFTOP WIND PRESSURES (PSF)	
	WIDTH	LENGTH	HEIGHT	LATERAL	UPLIFT	LATERAL	UPLIFT
MPP15AZ18AJ2NA	29.54	29.54	25.65	[ 60 ]	[ 60 ]	130	103
MPP15AZ24AJ2NA	29.54	29.54	25.65	[ 60 ]	[ 60 ]	130	103
MPP15AZ30AJ2NA	33.66	33.66	35.65	[ 55 ] < 60 >	[ 43 ] < 60 >	119	90
MPP15AZ36AJ2NA	33.66	33.66	39.65	[ 50 ] < 60 >	[ 39 ] < 60 >	105	82
MPP15AZ42AJ2NA	33.66	33.66	39.65	[ 50 ] < 60 >	[ 39 ] < 60 >	105	82
MPP15AZ48AJ2NA	33.66	33.66	39.65	[ 50 ] < 60 >	[ 39 ] < 60 >	105	82
MPP15AZ60AJ2NA	35.54	35.54	51.65	[ 35 ] < 60 >	[ 27 ] < 60 >	70	55
MPSA14AZ18AJ1NA	23.63	23.63	32.25	[ 60 ]	[ 60 ]	130	103
MPSA14AZ24AJ1NA	23.63	23.63	32.25	[ 60 ]	[ 60 ]	130	103
MPSA14AZ30AJ1NA	27.63	27.63	32.25	[ 60 ]	[ 60 ]	130	103
MPSA14AZ36AJ1NA	27.63	27.63	32.25	[ 60 ]	[ 60 ]	130	103
MPSA14AZ42AJ1NA	27.63	27.63	32.25	[ 60 ]	[ 60 ]	130	103
MPSA14AZ48AJ1NA	27.63	27.63	32.25	[ 60 ]	[ 60 ]	130	103
MPSA14AZ60AJ1NA	27.63	27.63	32.25	[ 60 ]	[ 60 ]	130	103
TZA13NZ18AJ1NA	29.54	29.54	25.65	[ 60 ]	[ 60 ]	130	103
TZA13NZ24AJ1NA	33.66	33.66	25.65	[ 60 ]	[ 60 ]	130	90
TZA13NZ30AJ1NA	33.66	33.66	25.65	[ 60 ]	[ 60 ]	130	90
TZA13NZ36AJ1NA	33.66	33.66	25.65	[ 60 ]	[ 60 ]	130	90
TZA13NZ42AJ1NA	33.66	33.66	27.65	[ 60 ]	[ 60 ]	130	90
TZA13NZ48AJ1NA	35.54	35.54	39.65	[ 47 ] < 60 >	[ 37 ] < 60 >	100	78
TZA13NZ60AJ1NA	35.54	35.54	45.65	[ 41 ] < 60 >	[ 32 ] < 60 >	84	66
TZA14AZ18AJ1NA	29.54	29.54	25.65	[ 60 ]	[ 60 ]	130	103
TZA14AZ24AJ1NA	33.66	33.66	25.65	[ 60 ]	[ 60 ]	130	90
TZA14AZ30AJ1NA	33.66	33.66	27.65	[ 60 ]	[ 60 ]	130	90
TZA14AZ36AJ1NA	33.66	33.66	31.65	[ 60 ]	[ 60 ]	130	90
TZA14AZ42AJ1NA	33.66	33.66	35.65	[ 55 ] < 60 >	[ 43 ] < 60 >	119	90
TZA14AZ48AJ1NA	33.66	33.66	35.65	[ 55 ] < 60 >	[ 43 ] < 60 >	119	90
TZA14AZ60AJ1NA	35.54	35.54	51.65	[ 35 ] < 60 >	[ 27 ] < 60 >	70	55
TZA15AZ24AJ3NA	29.54	29.54	27.65	[ 60 ]	[ 60 ]	130	103
TZA15AZ36AJ3NA	33.66	33.66	27.65	[ 60 ]	[ 60 ]	130	90
TZA15AZ48AJ3NA	33.66	33.66	31.65	[ 60 ]	[ 60 ]	130	90
TZA15AZ60AJ3NA	35.54	35.54	31.65	[ 59 ]	[ 46 ]	129	81
TZP14AZ18AJ1NA	29.54	29.54	25.65	[ 60 ]	[ 60 ]	130	103
TZP14AZ18AJ2NA	29.54	29.54	25.65	[ 60 ]	[ 60 ]	130	103
TZP14AZ24AJ2NA	29.54	29.54	25.65	[ 60 ]	[ 60 ]	130	103
TZP14AZ30AJ2NA	33.66	33.66	27.65	[ 60 ]	[ 60 ]	130	90
TZP14AZ36AJ2NA	33.66	33.66	35.65	[ 55 ] < 60 >	[ 43 ] < 60 >	119	90
TZP14AZ42AJ2NA	33.66	33.66	35.65	[ 55 ] < 60 >	[ 43 ] < 60 >	119	90
TZP14AZ48AJ2NA	33.66	33.66	35.65	[ 55 ] < 60 >	[ 43 ] < 60 >	119	90
TZP14AZ60AJ2NA	35.54	35.54	45.65	[ 41 ] < 60 >	[ 32 ] < 60 >	84	66

MODEL #	UNIT DIMENSIONS (INCHES)			MAX. ASD AT-GRADE WIND PRESSURES (PSF) [4 CLIPS] <8 CLIPS>		MAX. ASD ROOFTOP WIND PRESSURES (PSF)	
	WIDTH	LENGTH	HEIGHT	LATERAL	UPLIFT	LATERAL	UPLIFT
TZP15AZ18AJ2NA	29.54	29.54	25.65	[ 60 ]	[ 60 ]	130	103
TZP15AZ24AJ2NA	29.54	29.54	25.65	[ 60 ]	[ 60 ]	130	103
TZP15AZ30AJ2NA	33.66	33.66	35.65	[ 55 ] < 60 >	[ 43 ] < 60 >	119	90
TZP15AZ36AJ2NA	33.66	33.66	39.65	[ 50 ] < 60 >	[ 39 ] < 60 >	105	82
TZP15AZ42AJ2NA	33.66	33.66	39.65	[ 50 ] < 60 >	[ 39 ] < 60 >	105	82
TZP15AZ48AJ2NA	33.66	33.66	39.65	[ 50 ] < 60 >	[ 39 ] < 60 >	105	82
TZP15AZ60AJ2NA	35.54	35.54	51.65	[ 35 ] < 60 >	[ 27 ] < 60 >	70	55
TZSA14AZ18AJ1NA	23.63	23.63	32.25	[ 60 ]	[ 60 ]	130	103
TZSA14AZ24AJ1NA	23.63	23.63	32.25	[ 60 ]	[ 60 ]	130	103
TZSA14AZ30AJ1NA	27.63	27.63	32.25	[ 60 ]	[ 60 ]	130	103
TZSP14AZ18AJ2NA	23.63	23.63	32.25	[ 60 ]	[ 60 ]	130	103
TZSP14AZ24AJ2NA	23.63	23.63	32.25	[ 60 ]	[ 60 ]	130	103
TZSP14AZ30AJ2NA	27.63	27.63	32.25	[ 60 ]	[ 60 ]	130	103
WA13NZ18xxxxx	29.54	29.54	25.65	[ 60 ]	[ 60 ]	130	103
WA13NZ18AJ1	29.54	29.54	25.65	[ 60 ]	[ 60 ]	130	103
WA13NZ24AJ1	33.66	33.66	25.65	[ 60 ]	[ 60 ]	130	90
WA13NZ24AJ1NAFGA	33.66	33.66	25.65	[ 60 ]	[ 60 ]	130	90
WA13NZ30AJ1	33.66	33.66	25.65	[ 60 ]	[ 60 ]	130	90
WA13NZ30AJ1NAFGA	33.66	33.66	25.65	[ 60 ]	[ 60 ]	130	90
WA13NZ36AJ1	33.66	33.66	25.65	[ 60 ]	[ 60 ]	130	90
WA13NZ36AJ1NAFGA	33.66	33.66	25.65	[ 60 ]	[ 60 ]	130	90
WA13NZ42AJ1	33.66	33.66	27.65	[ 60 ]	[ 60 ]	130	90
WA13NZ42AJ1NAFGA	33.66	33.66	27.65	[ 60 ]	[ 60 ]	130	90
WA13NZ48AJ1	35.54	35.54	39.65	[ 47 ] < 60 >	[ 37 ] < 60 >	100	78
WA13NZ48AJ1NAFGA	35.54	35.54	39.65	[ 47 ] < 60 >	[ 37 ] < 60 >	100	78
WA13NZ60AJ1	35.54	35.54	45.65	[ 41 ] < 60 >	[ 32 ] < 60 >	84	66
WA13NZ60AJ1NAFGA	35.54	35.54	45.65	[ 41 ] < 60 >	[ 32 ] < 60 >	84	66
WA14AZ18AJ1NA	29.54	29.54	25.65	[ 60 ]	[ 60 ]	130	103
WA14AZ18AJ1NAFGA	29.54	29.54	25.65	[ 60 ]	[ 60 ]	130	103
WA14AZ24AJ1NA	33.66	33.66	25.65	[ 60 ]	[ 60 ]	130	90
WA14AZ24AJ1NAFGA	33.66	33.66	25.65	[ 60 ]	[ 60 ]	130	90
WA14AZ30AJ1NA	33.66	33.66	27.65	[ 60 ]	[ 60 ]	130	90
WA14AZ30AJ1NAFGA	33.66	33.66	27.65	[ 60 ]	[ 60 ]	130	90
WA14AZ36AJ1NA	33.66	33.66	31.65	[ 60 ]	[ 60 ]	130	90
WA14AZ36AJ1NAFGA	33.66	33.66	31.65	[ 60 ]	[ 60 ]	130	90
WA14AZ42AJ1NA	33.66	33.66	35.65	[ 55 ] < 60 >	[ 43 ] < 60 >	119	90
WA14AZ42AJ1NAFGA	33.66	33.66	35.65	[ 55 ] < 60 >	[ 43 ] < 60 >	119	90
WA14AZ48AJ1NA	33.66	33.66	35.65	[ 55 ] < 60 >	[ 43 ] < 60 >	119	90
WA14AZ48AJ1NAFGA	33.66	33.66	35.65	[ 55 ] < 60 >	[ 43 ] < 60 >	119	90

**EX ENGINEERING EXPRESS**

POSTAL ADDRESS:  
401 W. ATLANTIC AVE R10 BOX 219  
DELRAY BEACH, FL 33444  
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 7TH EDITION (2020) | MIAMI-DADE COUNTY NOA

REMARKS	DRWN	CHKD	DATE
INIT ISSUE (19-7517)	LAO	FLB	03/10/20
ADDRESS MD COMMENTS	EPR	RWN	08/18/20
FBC 7th ED (2020) UPDATE	EPR	RWN	06/25/21
FIX MD COMMENTS (21-40650)	EPR	RWN	08/26/21
REV - ADD MODELS (22-54280)	MR	RWN	11/18/22
REV PER MD COMMENTS	EPR	RWN	01/26/23

COPYRIGHT ENGINEERING EXPRESS®

**22-54280**

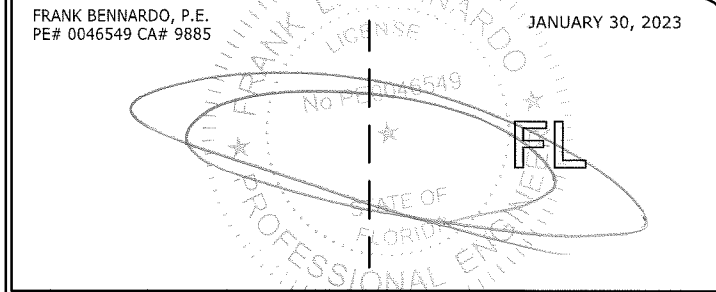
SCALE: NTS UNLESS NOTED

**03** OF **7**

# UNIT SCHEDULE CONTINUED

## UNIT SCHEDULE NOTES

1. MODEL NUMBER CHARACTERS MARKED BY AN "x" IN THE MODEL TABLES ARE PERMITTED TO BE ANY LETTER OR NUMBER. (DOES NOT AFFECT THE STRUCTURAL INTEGRITY OF THE UNIT).
2. ALL UNIT MODEL NET WEIGHTS SHALL BE 125 LB MINIMUM IN ACCORDANCE WITH GENERAL NOTE #4.
3. FOR AT-GRADE PRESSURE RATINGS: PRESSURES LISTED IN SQUARE BRACKETS "[ ]" ARE FOR (4) TIE-DOWN CLIP CONFIGURATIONS PER PAGE 06. PRESSURES IN "< >" BRACKETS ARE FOR (8) TIE-DOWN CLIP CONFIGURATIONS PER PAGE 07.



## APPROVED UNIT MODELS CONTINUED

MODEL #	UNIT DIMENSIONS (INCHES)			MAX. ASD AT-GRADE WIND PRESSURES (PSF) [4 CLIPS] <8 CLIPS>		MAX. ASD ROOFTOP WIND PRESSURES (PSF)	
	WIDTH	LENGTH	HEIGHT	LATERAL	UPLIFT	LATERAL	UPLIFT
WA14AZ60AJ1NA	35.54	35.54	51.65	[ 35 ] < 60 >	[ 27 ] < 60 >	70	55
WA14AZ60AJ1NAFGA	35.54	35.54	51.65	[ 35 ] < 60 >	[ 27 ] < 60 >	70	55
WA15AZ24AJ3NA	29.54	29.54	27.65	[ 60 ]	[ 60 ]	130	103
WA15AZ24AJ3NAFGA	29.54	29.54	27.65	[ 60 ]	[ 60 ]	130	103
WA15AZ36AJ3NA	33.66	33.66	27.65	[ 60 ]	[ 60 ]	130	90
WA15AZ36AJ3NAFGA	33.66	33.66	27.65	[ 60 ]	[ 60 ]	130	90
WA15AZ48AJ3NA	33.66	33.66	31.65	[ 60 ]	[ 60 ]	130	90
WA15AZ48AJ3NAFGA	33.66	33.66	31.65	[ 60 ]	[ 60 ]	130	90
WA15AZ60AJ3NA	35.54	35.54	31.65	[ 59 ]	[ 46 ]	129	81
WA15AZ60AJ3NAFGA	35.54	35.54	31.65	[ 59 ]	[ 46 ]	129	81
WP14AZ18AJ1NA	29.54	29.54	25.65	[ 60 ]	[ 60 ]	130	103
WP14AZ18AJ1NAFGA	29.54	29.54	25.65	[ 60 ]	[ 60 ]	130	103
WP14AZ18AJ2NA	29.54	29.54	25.65	[ 60 ]	[ 60 ]	130	103
WP14AZ18AJ2NAFGA	29.54	29.54	25.65	[ 60 ]	[ 60 ]	130	103
WP14AZ24AJ2NA	29.54	29.54	25.65	[ 60 ]	[ 60 ]	130	103
WP14AZ24AJ2NAFGA	29.54	29.54	25.65	[ 60 ]	[ 60 ]	130	103
WP14AZ30AJ2NA	33.66	33.66	27.65	[ 60 ]	[ 60 ]	130	90
WP14AZ30AJ2NAFGA	33.66	33.66	27.65	[ 60 ]	[ 60 ]	130	90
WP14AZ36AJ2NA	33.66	33.66	35.65	[ 55 ] < 60 >	[ 43 ] < 60 >	119	90
WP14AZ36AJ2NAFGA	33.66	33.66	35.65	[ 55 ] < 60 >	[ 43 ] < 60 >	119	90
WP14AZ42AJ2NA	33.66	33.66	35.65	[ 55 ] < 60 >	[ 43 ] < 60 >	119	90
WP14AZ42AJ2NAFGA	33.66	33.66	35.65	[ 55 ] < 60 >	[ 43 ] < 60 >	119	90
WP14AZ48AJ2NA	33.66	33.66	35.65	[ 55 ] < 60 >	[ 43 ] < 60 >	119	90
WP14AZ48AJ2NAFGA	33.66	33.66	35.65	[ 55 ] < 60 >	[ 43 ] < 60 >	119	90
WP14AZ60AJ2NA	35.54	35.54	45.65	[ 41 ] < 60 >	[ 32 ] < 60 >	84	66
WP14AZ60AJ2NAFGA	35.54	35.54	45.65	[ 41 ] < 60 >	[ 32 ] < 60 >	84	66

MODEL #	UNIT DIMENSIONS (INCHES)			MAX. ASD AT-GRADE WIND PRESSURES (PSF) [4 CLIPS] <8 CLIPS>		MAX. ASD ROOFTOP WIND PRESSURES (PSF)	
	WIDTH	LENGTH	HEIGHT	LATERAL	UPLIFT	LATERAL	UPLIFT
WP15AZ18AJ2	29.54	29.54	25.65	[ 60 ]	[ 60 ]	130	103
WP15AZ18AJ2NAFGA	29.54	29.54	25.65	[ 60 ]	[ 60 ]	130	103
WP15AZ24AJ2	29.54	29.54	25.65	[ 60 ]	[ 60 ]	130	103
WP15AZ24AJ2NAFGA	29.54	29.54	25.65	[ 60 ]	[ 60 ]	130	103
WP15AZ30AJ2	33.66	33.66	35.65	[ 55 ] < 60 >	[ 43 ] < 60 >	119	90
WP15AZ30AJ2NAFGA	33.66	33.66	35.65	[ 55 ] < 60 >	[ 43 ] < 60 >	119	90
WP15AZ36AJ2	33.66	33.66	39.65	[ 50 ] < 60 >	[ 39 ] < 60 >	105	82
WP15AZ36AJ2NAFGA	33.66	33.66	39.65	[ 50 ] < 60 >	[ 39 ] < 60 >	105	82
WP15AZ42AJ2	33.66	33.66	39.65	[ 50 ] < 60 >	[ 39 ] < 60 >	105	82
WP15AZ42AJ2NAFGA	33.66	33.66	39.65	[ 50 ] < 60 >	[ 39 ] < 60 >	105	82
WP15AZ48AJ2	33.66	33.66	39.65	[ 50 ] < 60 >	[ 39 ] < 60 >	105	82
WP15AZ48AJ2NAFGA	33.66	33.66	39.65	[ 50 ] < 60 >	[ 39 ] < 60 >	105	82
WP15AZ60AJ2	35.54	35.54	51.65	[ 35 ] < 60 >	[ 27 ] < 60 >	70	55
WP15AZ60AJ2NAFGA	35.54	35.54	51.65	[ 35 ] < 60 >	[ 27 ] < 60 >	70	55
WSA14AZ18A	23.63	23.63	32.25	[ 60 ]	[ 60 ]	130	103
WSA14AZ18AJ1NAFGA	23.63	23.63	32.25	[ 60 ]	[ 60 ]	130	103
WSA14AZ24A	23.63	23.63	32.25	[ 60 ]	[ 60 ]	130	103
WSA14AZ24AJ1NAFGA	23.63	23.63	32.25	[ 60 ]	[ 60 ]	130	103
WSA14AZ30A	27.63	27.63	32.25	[ 60 ]	[ 60 ]	130	103
WSA14AZ30AJ1NAFGA	27.63	27.63	32.25	[ 60 ]	[ 60 ]	130	103
WSP14AZ18AJ2NA	23.63	23.63	32.25	[ 60 ]	[ 60 ]	130	103
WSP14AZ18AJ2NAFGA	23.63	23.63	32.25	[ 60 ]	[ 60 ]	130	103
WSP14AZ24AJ2NA	23.63	23.63	32.25	[ 60 ]	[ 60 ]	130	103
WSP14AZ24AJ2NAFGA	23.63	23.63	32.25	[ 60 ]	[ 60 ]	130	103
WSP14AZ30AJ2NA	27.63	27.63	32.25	[ 60 ]	[ 60 ]	130	103
WSP14AZ30AJ2NAFGA	27.63	27.63	32.25	[ 60 ]	[ 60 ]	130	103

**ENGINEERING EXPRESS®**  
 POSTAL ADDRESS:  
 401 W. ATLANTIC AVE R10 BOX 219  
 DELRAY BEACH, FL 33444  
 ENGINEERINGEXPRESS.COM

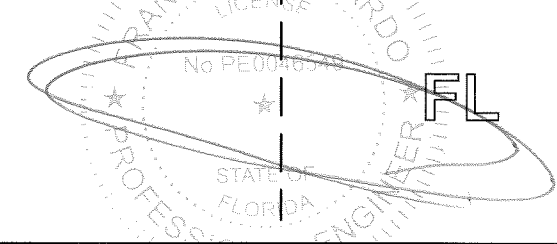
**RHEEM SALES COMPANY**  
 5600 OLD GREENWOOD RD  
 FORT SMITH, AR 72917  
 (770) 351-3000  
 WEATHERING UNITS AND STEEL TIE-DOWN CLIPS  
 FOR ROOF AND GRADE MOUNTED APPLICATIONS  
 FBC 7TH EDITION (2020) | MIAMI-DADE COUNTY NOA

REMARKS	DRWN	CHKD	DATE
INIT ISSUE (19-7517)	LAO	FLB	03/10/20
ADDRESS MD COMMENTS	EPR	RWN	08/18/20
FBC 7th ED (2020) UPDATE	EPR	RWN	06/29/21
FIX MD COMMENTS (21-40850)	EPR	RWN	08/26/21
REV-ADD MODELS (22-54280)	MPT	RWN	11/18/22
REV/PER MD COMMENTS	EPR	RWN	01/26/23

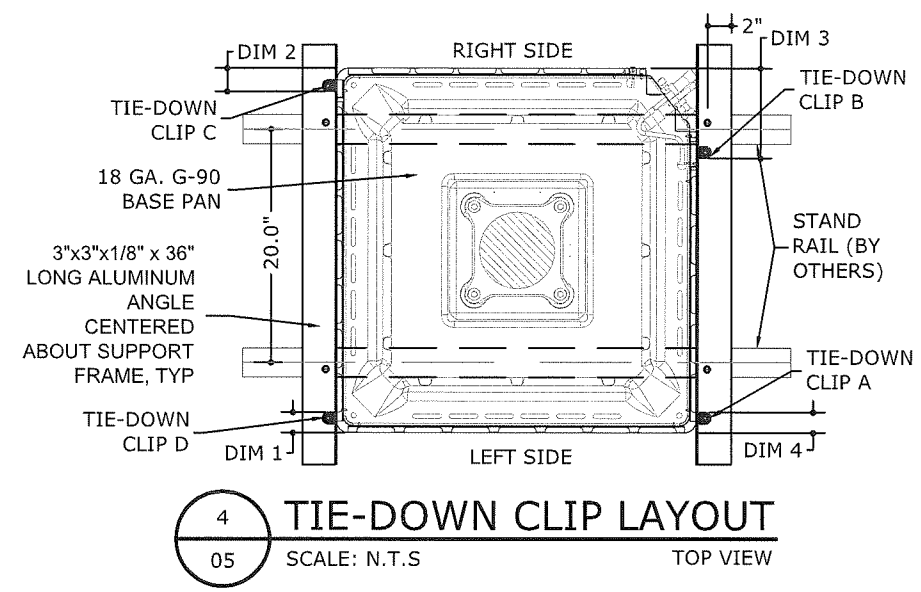
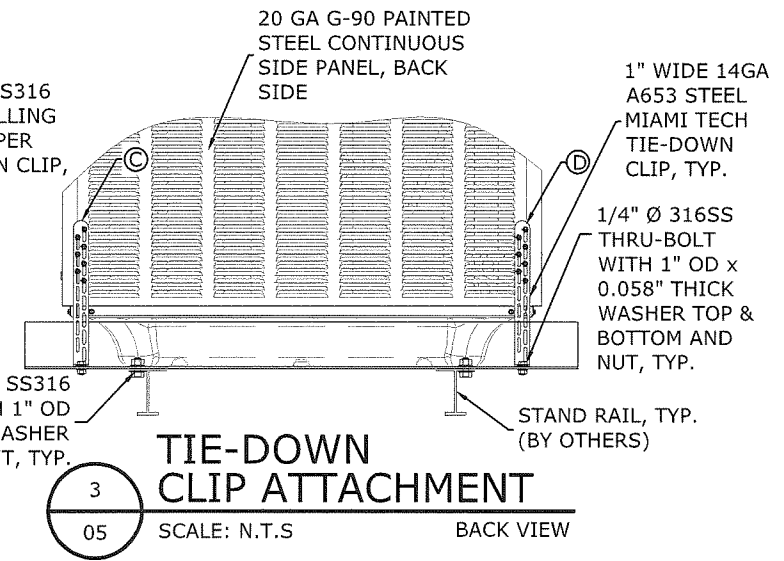
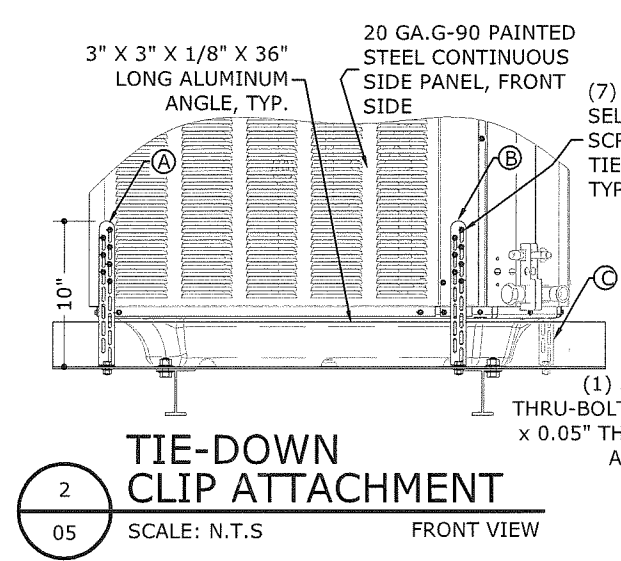
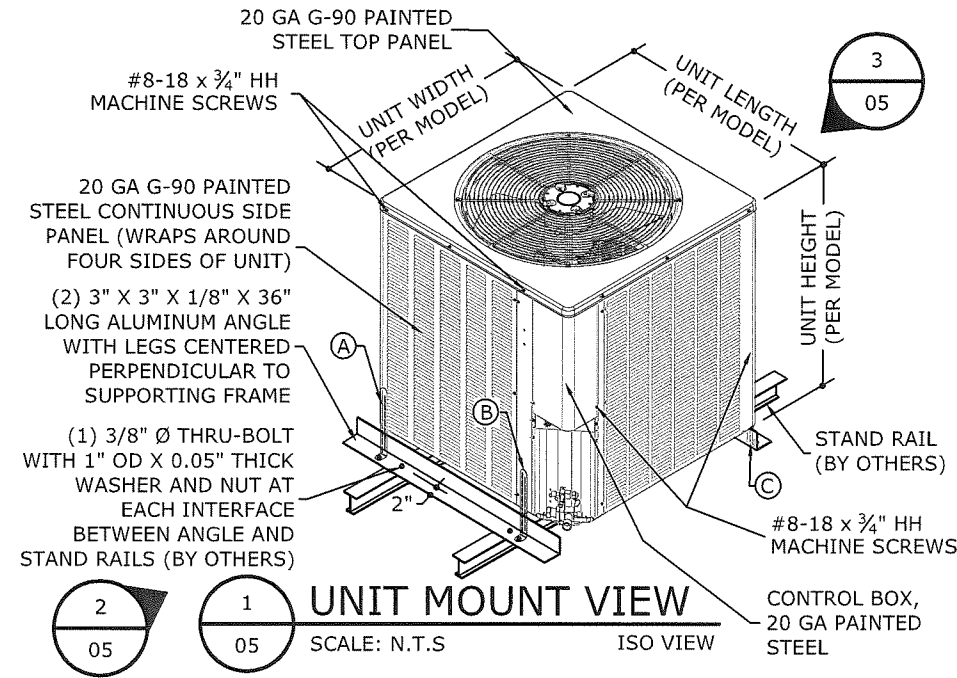
**PRODUCT REVISED**  
 as complying with the Florida Building Code  
 NOA-No. 23-0103.05  
 Expiration Date 11/05/2025  
 By *[Signature]*  
 Miami-Dade Product Control

22-54280  
 SCALE: NTS UNLESS NOTED  
 04 OF 7



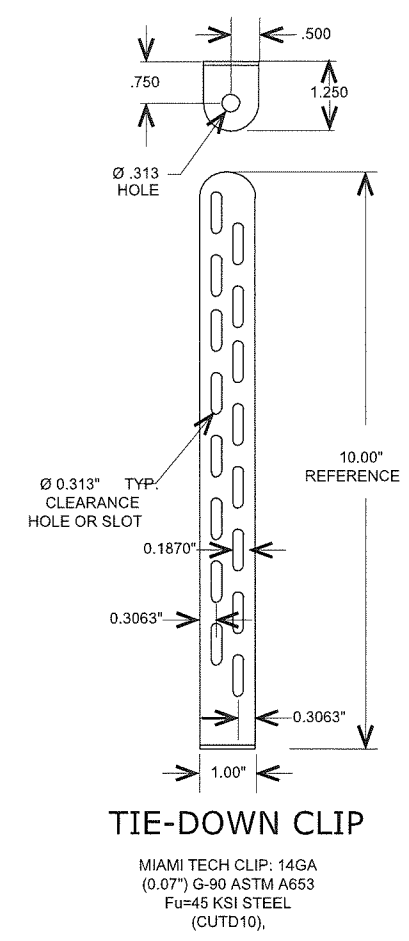
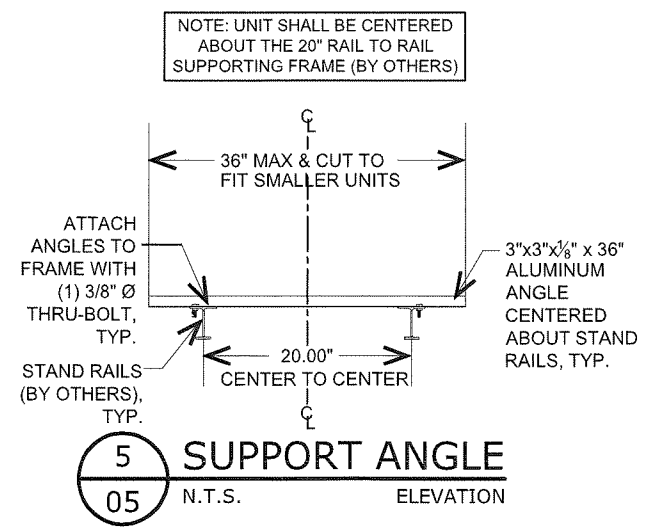


# ROOFTOP INSTALLATIONS



**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



**PRODUCT REVISED**  
as complying with the Florida Building Code  
**NOA-No.** 23-0103.05  
**Expiration Date** 11/05/2025  
By *[Signature]*  
**Miami-Dade Product Control**

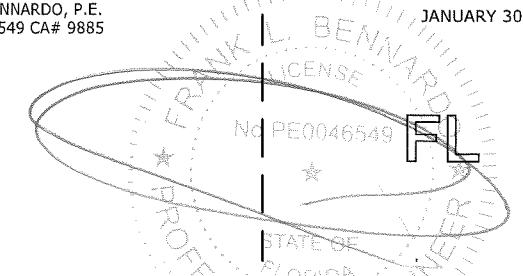
**ENGINEERING EXPRESS**  
POSTAL ADDRESS:  
401 W. ATLANTIC AVE R10 BOX 219  
DELRAY BEACH, FL 33444  
ENGINEERINGEXPRESS.COM

**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 7TH EDITION (2020) | MIAMI-DADE COUNTY NOA

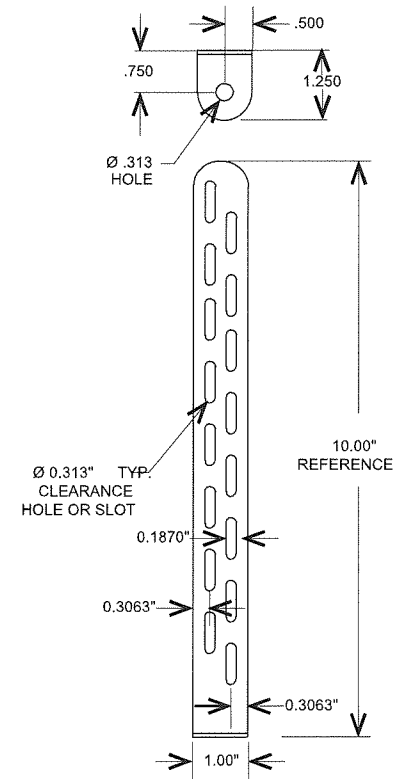
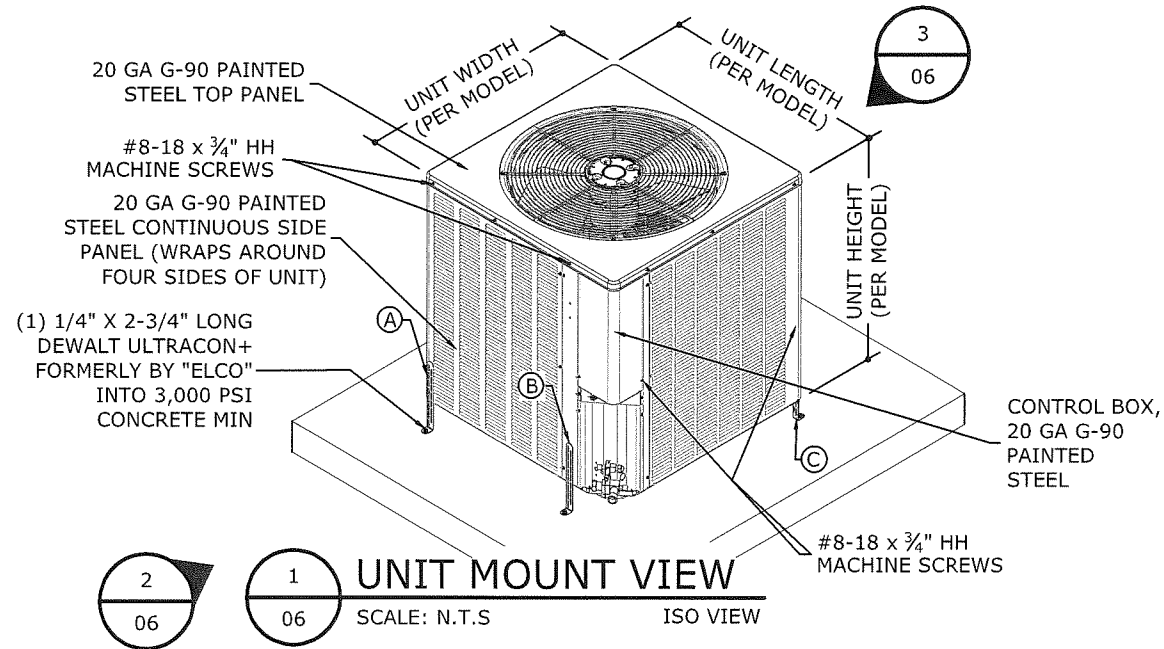
REMARKS	DRWN	CHKD	DATE
INIT ISSUE (19-7517)	LAO	FLB	03/10/20
ADDRESS MD COMMENTS	EPR	RWN	08/18/20
FBC 7th ED (2020) UPDATE	EPR	RWN	06/25/21
FIX MD COMMENTS (21-40560)	EPR	RWN	08/26/21
REV - ADD MODELS (22-54280)	MRT	RWN	11/18/22
REV PER MD COMMENTS	EPR	RWN	01/26/23

COPYRIGHT ENGINEERING EXPRESS®

**22-54280**  
SCALE: NTS UNLESS NOTED  
**05** OF **7**



# AT-GRADE INSTALLATIONS - (4) CLIP CONFIGURATION



**TIE-DOWN CLIP**

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

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

NOA-No. 23-0103.05

Expiration Date 11/05/2025

By [Signature]  
Miami-Dade Product Control

**EX ENGINEERING EXPRESS®**  
POSTAL ADDRESS:  
401 W. ATLANTIC AVE R10 BOX 219  
DELRAY BEACH, FL 33444  
ENGINEERINGEXPRESS.COM

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

WEATHERING UNITS AND STEEL TIE-DOWN CLIPS  
FOR ROOF AND GRADE MOUNTED APPLICATIONS  
FBC 7TH EDITION (2020) | MIAMI-DADE COUNTY NOA

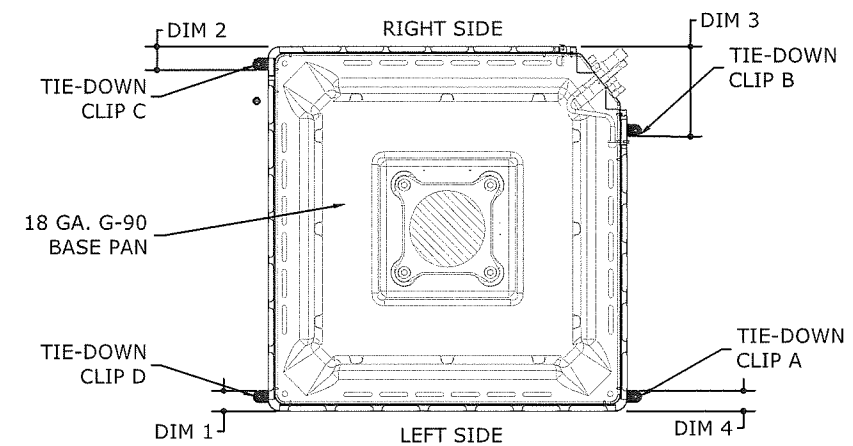
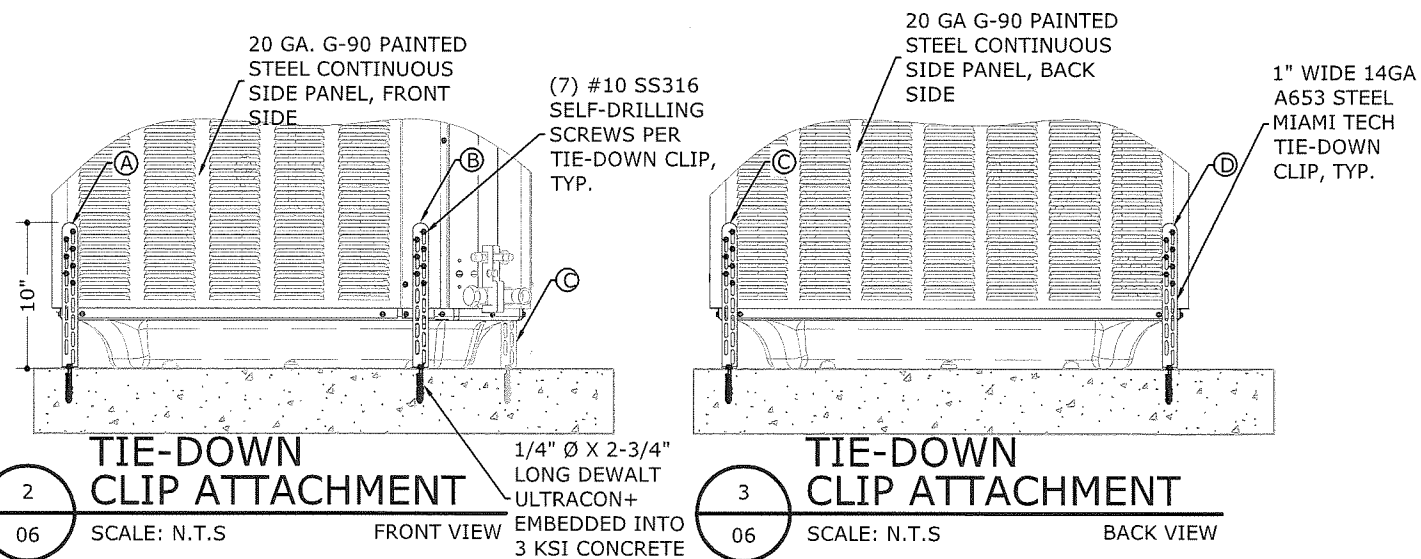
REMARKS	DRWN	CHKD	DATE
INIT ISSUE (19-7517)	LAO	FLB	03/10/20
ADDRESS MD COMMENTS	EPR	RWN	08/18/20
FBC 7th ED (2020) UPDATE	EPR	RWN	06/25/21
FIX MD COMMENTS (21-40850)	EPR	RWN	08/26/21
REV - ADD MODELS (22-54280)	MRT	RWN	11/18/22
REV PER MD COMMENTS	EPR	RWN	01/26/23

COPYRIGHT ENGINEERING EXPRESS®

**22-54280**

SCALE: NTS UNLESS NOTED

**06** OF **7**



**4** TIE-DOWN CLIP LAYOUT  
SCALE: N.T.S. TOP VIEW

**TIE-DOWN CLIP OFFSETS:**

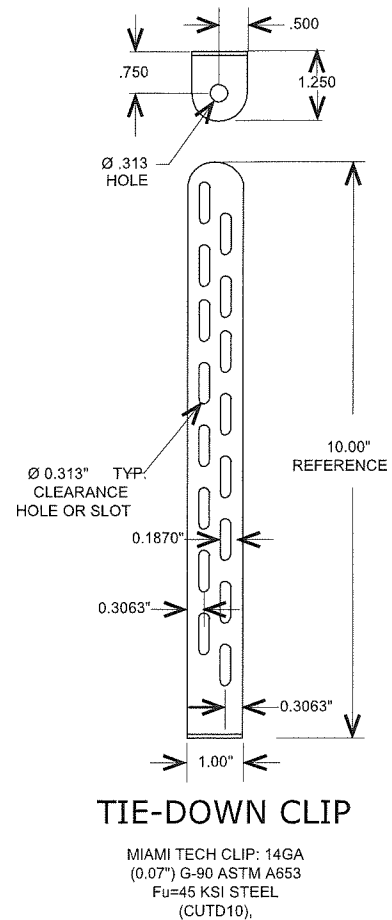
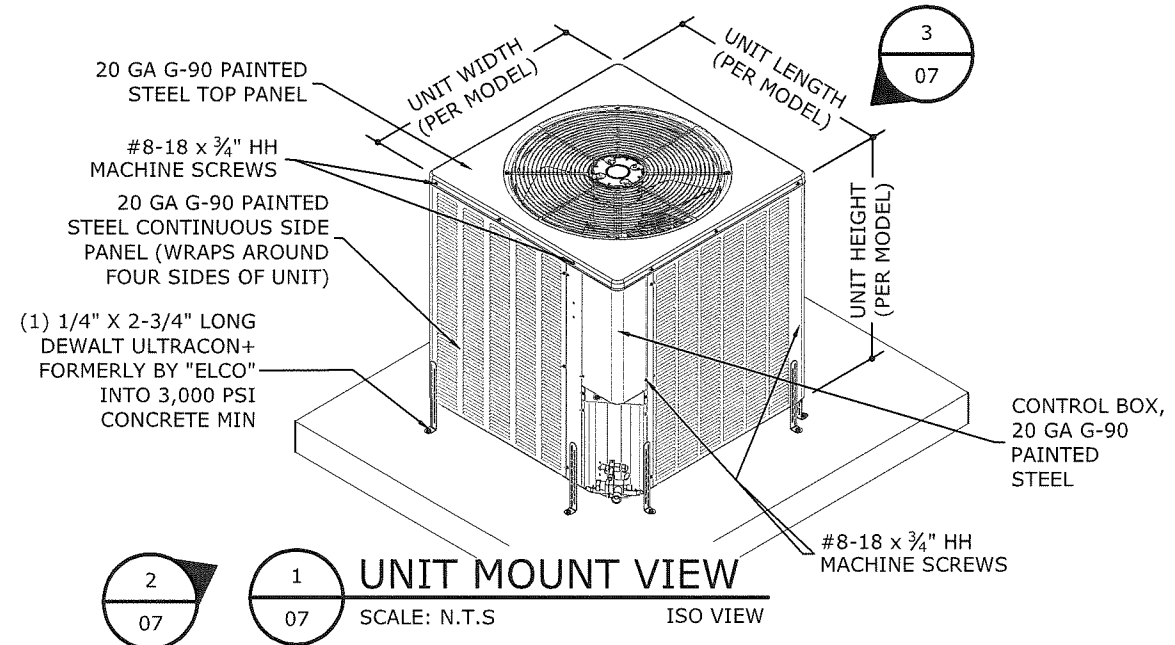
DIM. 1	1-1/4" MAX OFFSET FROM LEFT SIDE
DIM. 2	1-1/2" MAX OFFSET FROM RIGHT SIDE
DIM. 3	6-3/4" MAX OFFSET FROM RIGHT SIDE
DIM. 4	1-1/4" MAX OFFSET FROM LEFT SIDE



c:\users\eric\engineering\express\production - documents\projects\22-54280 weathering new unit models\work\2022-12-23\docs for review\6 - 22-54280k noa dwg. 1/30/2023 1:30 PM ERIC

FRANK BENNARDO, P.E.  
PE# 0046549 CA# 9885  
JANUARY 30, 2023

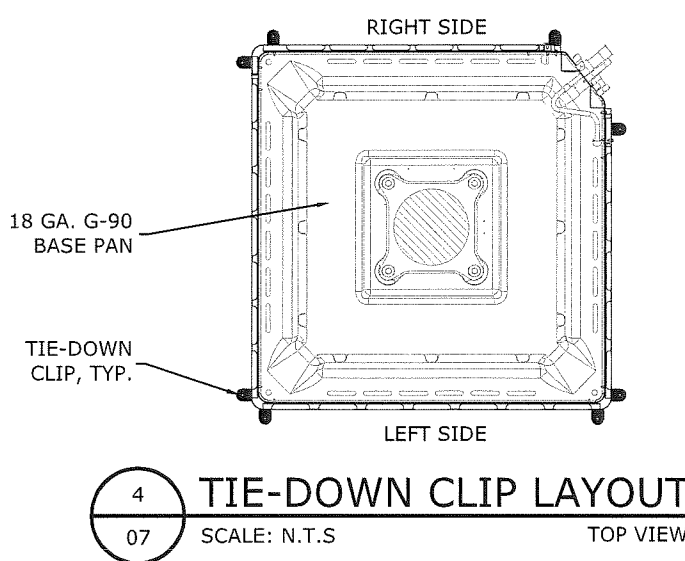
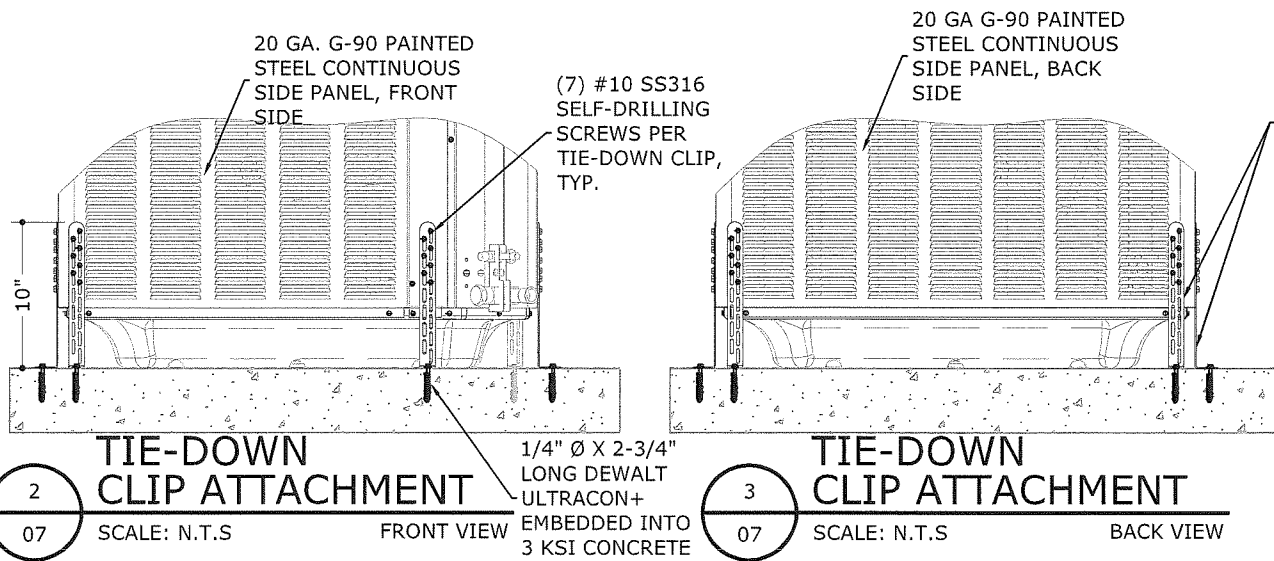
# AT-GRADE INSTALLATIONS - (8) CLIP CONFIGURATION



**PRODUCT REVISED**  
as complying with the Florida Building Code  
NOA-No. 23-0103.05  
Expiration Date 11/05/2025  
By *[Signature]*  
Miami-Dade Product Control

## (8) CLIP CONFIGURATION: TIE-DOWN DIRECTIVE

- TIE-DOWN CLIPS SHALL BE AS SHOWN OR EQUIVALENT.
- SEE DETAILS FOR CLIP ANCHOR TO HOST STRUCTURE AND CLIP FASTENERS TO UNIT QUANTITIES AND SPECIFICATIONS.
- 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.
- TIE-DOWN CLIPS SHALL SIT FLUSH ON HOST STRUCTURE AND FLUSH AGAINST THE UNIT.
- POSITION TWO TIE-DOWN CLIPS PER UNIT CORNER. SEE DETAILS FOR SUGGESTED TIE-DOWN CLIP LOCATIONS.
- 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.



**EX ENGINEERING EXPRESS**  
POSTAL ADDRESS:  
401 W. ATLANTIC AVE R10 BOX 219  
DELRAY BEACH, FL 33444  
ENGINEERINGEXPRESS.COM

**RHEEM SALES COMPANY**  
5600 OLD GREENWOOD RD  
FORT SMITH, AR 72917  
(770) 351-3000  
WEATHERING UNITS AND STEEL TIE-DOWN CLIPS  
FOR ROOF AND GRADE MOUNTED APPLICATIONS  
FBC 7TH EDITION (2020) | MIAMI-DADE COUNTY NOA

REMARKS	DRWN	CHKD	DATE
INIT ISSUE (19-7517)	LAO	FLB	03/10/20
ADDRESS MD COMMENTS	EPR	RWN	08/18/20
FBC 7th ED (2020) UPDATE	EPR	RWN	06/25/21
FIX MD COMMENTS (21-40850)	EPR	RWN	08/26/21
REV - ADD MODELS (22-54280)	MRT	RWN	11/18/22
REV PER MD COMMENTS	EPR	RWN	01/26/23

COPYRIGHT ENGINEERING EXPRESS®

22-54280  
SCALE: NTS UNLESS NOTED  
**07** OF 7