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

APPROVAL DOCUMENT: Drawing No. **19-7517**, titled "Weatherking Units and Steel Tie-Down Clips & Cabinet Integrity", sheets 1 and 2 of 2, dated 03/10/2020, with last revision dated 08/18/2020, prepared by Engineering Express, signed and sealed by Frank L. Bennardo, P.E., bearing the Miami-Dade County Product Control approval 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 consists of this page 1 and evidence page E-1, as well as approval document mentioned above.
The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**

MIAMI-DADE COUNTY APPROVED

Rheem Sales Company, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **19-7517**, titled "Weatherking Units and Steel Tie-Down Clips & Cabinet Integrity", sheets 1 and 2 of 2, dated 03/10/2020, with last revision dated 08/18/2020, 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 01/22/2020, signed and sealed by Stephen W. Warter, P.E.

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 01/22/2020, signed and sealed by Stephen W. Warter, P.E.

C. CALCULATIONS

1. Anchorage calculations prepared by Engineering Express, dated 08/26/2020, 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

1. Statement letter of code conformance to the 6th edition (2017) FBC issued by Engineering Express, dated 03/31/2020, signed and sealed by Frank L. Bennardo, P.E.

2. Statement letter of no financial interest issued by Engineering Express, dated 03/31/2020, signed and sealed by Frank L. Bennardo, P.E.

G. OTHERS

1. Test proposal # **19-7517**.

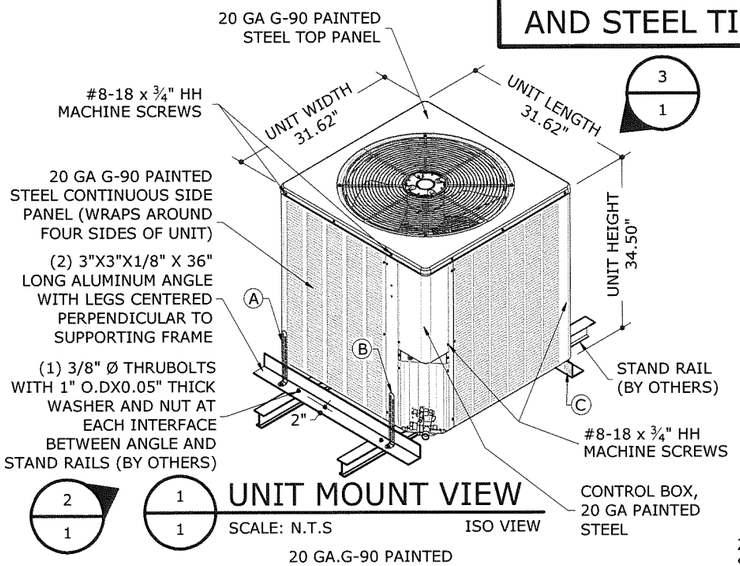
Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 20-0506.04
Expiration Date: November 5, 2025
Approval Date: November 5, 2020

RHEEM SALES COMPANY, INC.

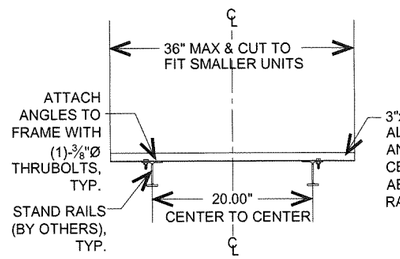
WIND LOAD CERTIFICATION OF MECHANICAL UNIT CABINETRY AND STEEL TIE-DOWN CLIPS: ROOF MOUNTED APPLICATIONS

PRODUCT APPROVED
as complying with the Florida Building Code
NOA–No. 20-0506.04
Approval Date 11/05/2020
By
Miami–Dade Product Control

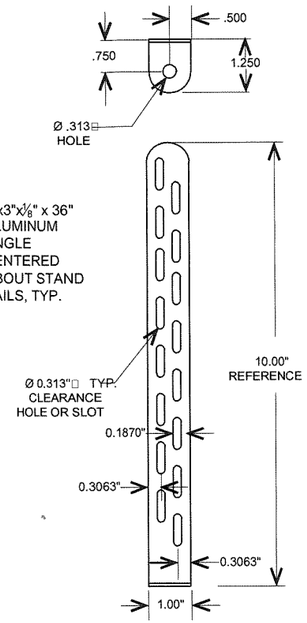
FRANK L. BENNARDO, P.E.
PE# 0046549 CA# 9885
09/05/2020
CERTIFYING ENGINEER IS THE NAME LISTED ON THE SEAL



2 / 1 — 1 / 1 **UNIT MOUNT VIEW**
SCALE: N.T.S — ISO VIEW

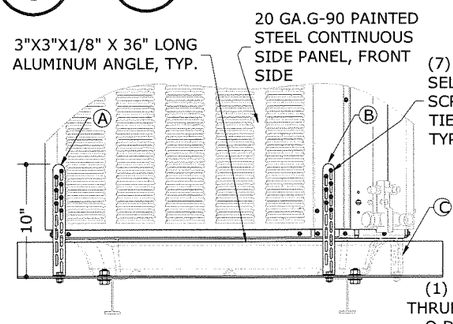


5 / 1 **SUPPORT ANGLE**
N.T.S — ELEVATION

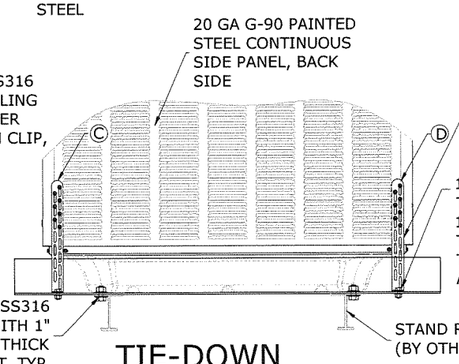


TIE-DOWN CLIP

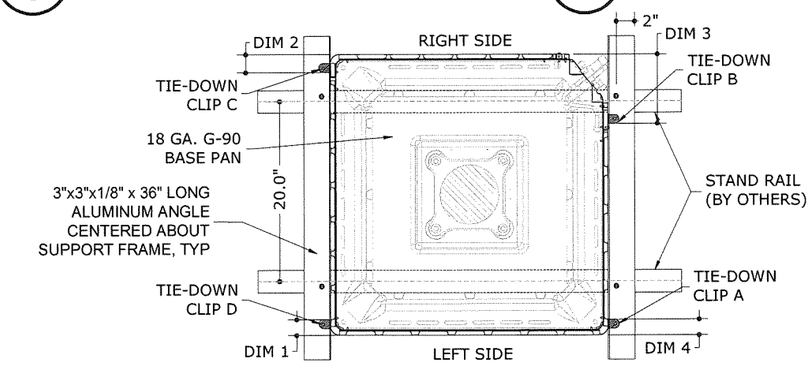
MIAMI TECH CLIP: 14GA
(0.07") G-90 ASTM A653
Fu=45 KSI STEEL
(CUTD10),



2 / 1 **TIE-DOWN CLIP ATTACHMENT**
SCALE: N.T.S — FRONT VIEW



3 / 1 **TIE-DOWN CLIP ATTACHMENT**
SCALE: N.T.S — BACK VIEW



4 / 1 **TIE-DOWN CLIP LAYOUT**
SCALE: N.T.S — TOP VIEW

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

RHEEM UNIT MODELS TESTED:

UNIT MODEL	LENGTH X WIDTH X HEIGHT WEIGHT
WA1636AJ1NA	31.62"X31.62"X34.50" 201 LBS.
WA1318AJ1NA	23.25"X23.25"X24.38" 125 LBS.

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

RHEEM UNIT MODELS COVER:

UNIT MODEL	
WA16*******	WA13*******
WA14*******	WP14*******

NOTE: ******* MAY END IN ANY CHARACTERS (DOES NOT AFFECT STRUCTURAL INTEGRITY OF UNIT)

APPROVED DESIGN CRITERIA:

984 LBF (130 PSF) LATERAL WIND LOAD	715 LBF (103 PSF) UPLIFT WIND LOAD

(NON-CONCURRENT)

DESIGN NOTES:

SITE-SPECIFIC FORCES REQUIREMENTS AS DETERMINED IN ACCORDANCE WITH ASCE 7-10 AND CHAPTER 16 OF THE FLORIDA BUILDING CODE SHALL BE LESS THAN OR EQUAL TO THE DESIGN FORCE VALUES LISTED HEREIN FOR ANY ASSEMBLY AS SHOWN. DESIGN FORCES SHALL BE DETERMINED BY A REGISTERED DESIGN PROFESSIONAL ON A JOB-SPECIFIC BASIS IN ACCORDANCE WITH THE GOVERNING CODE.

FORMULA FOR DESIGN FORCE:

*DESIGN FORCE = DESIGN PRESSURE * SURFACE AREA*
DESIGN FORCE = 130 PSF * (31.62 IN * 34.50 IN / 144 FT^2/IN^2) = 984 LBF

GENERAL NOTES:

1. THIS SYSTEM HAS BEEN DESIGNED AND SHALL BE FABRICATED IN ACCORDANCE WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE SIXTH EDITION (2017). 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.
2. NO 33-1/3% INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS SYSTEM.
3. DESIGN & CERTIFICATION OF THE UNIT CABINETRY IS APPROVED THROUGH TEST REPORT#1023.01-19 & #1023.02-19 BY AMERICAN TEST LAB OF SOUTH FLORIDA.
4. 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.
5. 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.
6. ALUMINUM ANGLES SPECIFIED HEREIN SHALL BE 6061-T6 ALUMINUM ONLY.
7. 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.
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.EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.
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. INTERIOR MECHANISM AND/OR ELECTRICAL CIRCUITRY ARE OUTSIDE THE SCOPE OF THIS NOA.

ENGINEERING EXPRESS
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160 SW 12th AVE, SUITE 106
DEERFIELD BEACH, FL 33442
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RHEEM SALES COMPANY, INC.
110 ABERNATHY ROAD SUITE 1400
ATLANTA, GA
(770) 351-3000

WEATHERKING UNITS
TIE-DOWN CLIPS & CABINET INTEGRITY
FLORIDA BUILDING CODE SIXTH EDITION (2017)

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	LAO	FLB	03/10/20
ADDRESS MD COMMENTS	EPR	RWN	8/18/20

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19-7517

SCALE: NTS UNLESS NOTED

1 OF 2

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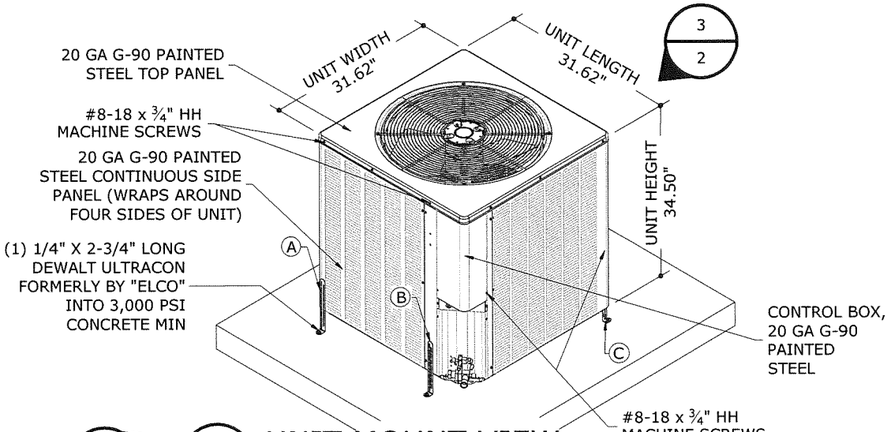
RHEEM SALES COMPANY, INC.

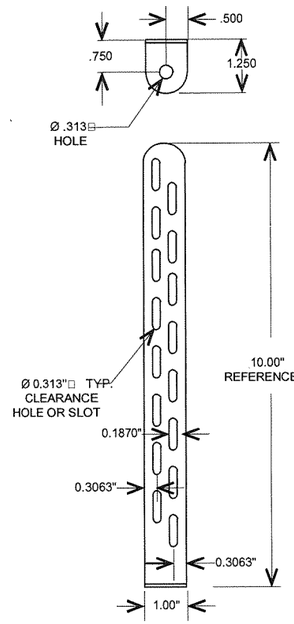
WIND LOAD CERTIFICATION OF MECHANICAL UNIT CABINETRY AND STEEL TIE-DOWN CLIPS: GRADE MOUNTED APPLICATIONS

PRODUCT APPROVED
as complying with the Florida Building Code
NOA–No. 20-0506.04
Approval Date 11/05/2020
By
Miami–Dade Product Control

FRANK L. BENNARDO, P.E.
PE# 0046549 CA# 9885
09/05/2020
CERTIFYING ENGINEER IS THE NAME LISTED ON THE SEAL



2/2 1/2 **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),

APPROVED DESIGN CRITERIA:

454 LBF (60.00 PSF) LATERAL WIND LOAD	416 LBF (60.00 PSF) UPLIFT WIND LOAD
(NON-CONCURRENT)	

DESIGN NOTES:

SITE-SPECIFIC FORCES REQUIREMENTS AS DETERMINED IN ACCORDANCE WITH ASCE 7-10 AND CHAPTER 16 OF THE FLORIDA BUILDING CODE SHALL BE LESS THAN OR EQUAL TO THE DESIGN FORCE VALUES LISTED HEREIN FOR ANY ASSEMBLY AS SHOWN. DESIGN FORCES SHALL BE DETERMINED BY A REGISTERED DESIGN PROFESSIONAL ON A JOB-SPECIFIC BASIS IN ACCORDANCE WITH THE GOVERNING CODE.

FORMULA FOR DESIGN PRESSURE:

*DESIGN FORCE = DESIGN PRESSURE * SURFACE AREA*
DESIGN FORCE = 60 PSF * (31.62 IN * 34.50 IN / 144 FT2/IN2) = 454 LBF

GENERAL NOTES:

1. THIS SYSTEM HAS BEEN DESIGNED AND SHALL BE FABRICATED IN ACCORDANCE WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE SIXTH EDITION (2017). 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.
2. NO 33-1/3% INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS SYSTEM.
3. DESIGN & CERTIFICATION OF THE UNIT CABINETRY IS APPROVED THROUGH TEST REPORT#1023.01-19 & #1023.02-19 BY AMERICAN TEST LAB OF SOUTH FLORIDA.
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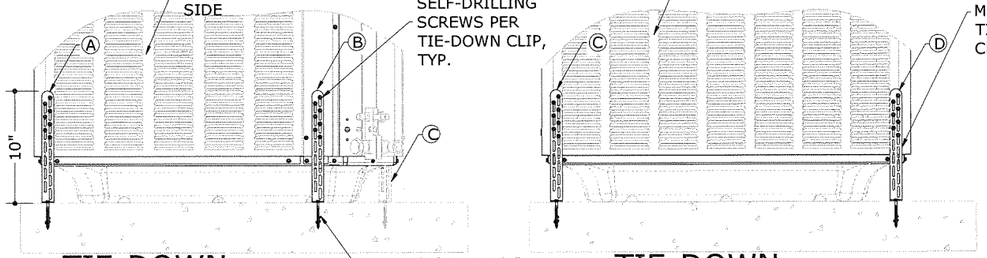
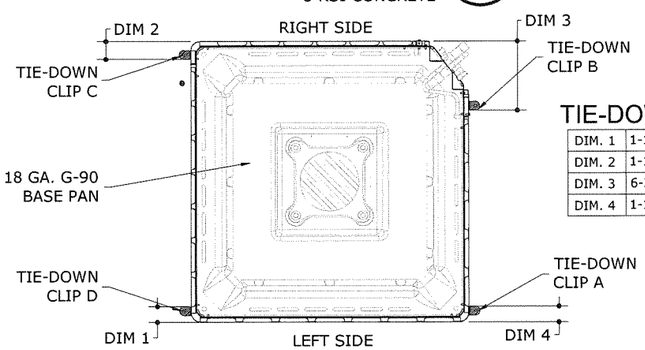
13. INTERIOR MECHANISM AND/OR ELECTRICAL CIRCUITRY ARE OUTSIDE THE SCOPE OF THIS NOA.



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

3/2 **TIE-DOWN CLIP ATTACHMENT**
SCALE: N.T.S BACK VIEW



4/2 **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

RHEEM UNIT MODELS TESTED:

UNIT MODEL	LENGTH X WIDTH X HEIGHT WEIGHT
WA1636AJ1NA	31.62"X31.62"X34.50" 201 LBS.
WA1318AJ1NA	23.25"X23.25"X24.38" 125 LBS.

RHEEM UNIT MODELS COVER:

UNIT MODEL	
WA16*******	WA13*******
WA14*******	WP14*******

NOTE: ******* MAY END IN ANY CHARACTERS (DOES NOT AFFECT STRUCTURAL INTEGRITY OF UNIT)

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110 ABERNATHY ROAD SUITE 1400
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WEATHERKING UNITS
TIE-DOWN CLIPS & CABINET INTEGRITY
FLORIDA BUILDING CODE SIXTH EDITION (2017)

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	LAO	FLB	03/10/20
ADDRESS MD COMMENTS	EPR	RWN	8/18/20
-	-	-	-
-	-	-	-
-	-	-	-

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19-7517

SCALE: NTS UNLESS NOTED

2 OF 2

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