

Installation Instructions for Pad Mount Tie Down Kit

New Platform Rheem & Ruud Outdoor Units

Kit Numbers

RRCUTDLK (galvanized brackets)

RRCUTDALK (aluminum brackets)

- 1) Carefully review included installation drawing before beginning installation of kit. Kit must be installed per this drawing and the following instructions to maintain certification of the tie-down method.
- 2) Center unit on concrete pad built with minimum dimensions shown on included installation drawing. Use appropriate drawing for the unit model being installed. The applicable unit models are listed on each drawing.
- 3) With the bottom of "L" bracket resting on the pad, attach the four (4) "L" brackets included in kit with four (4) #10 x $\frac{3}{4}$ " self-drilling screws per bracket. **Do not attach brackets to the louver panels, but rather to the posts as shown in the included installation drawing.**
- 4) Drill a 2" deep pilot hole for the $\frac{1}{4}$ " Carbon Steel Powers Wedge Bolt into the pad for each of the four (4) "L" brackets, using the holes in the base of the attached brackets as a guide. These holes must be at least 3.0" inches from the edge of the pad.
- 5) Secure "L" brackets to pad with one (1) $\frac{1}{4}$ " Carbon Steel Powers Wedge Bolt per bracket.

RHEEM SALES COMPANY, INC.

WIND LOAD CERTIFICATION OF MECHANICAL UNIT CABINETY AND STEEL/ALUMINUM TIE-DOWN CLIPS: AT GRADE MOUNTED APPLICATIONS

FRANK L. BENNARDO, P.E.
PE# 0046549

MAR 14 2018

IF CHECKED, CERTIFYING P.E. APPEARS BELOW
GORDON DIBATISTO, P.E.
PE# 82328

VALID FOR 1 PERMIT ONLY U.N.O.
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RHEEM SALES COMPANY, INC.
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MECHANICAL UNIT
STEEL TIE-DOWN CLIPS
FLORIDA BUILDING CODE SIXTH EDITION (2017)

DATE	DRWN	CHKD	DATE	DRWN	CHKD
05/14/15	JAC	TSB	05/14/15	JAC	TSB
01/12/18	LAO	FLB	01/12/18	LAO	FLB
2017 FEB UPDATE					

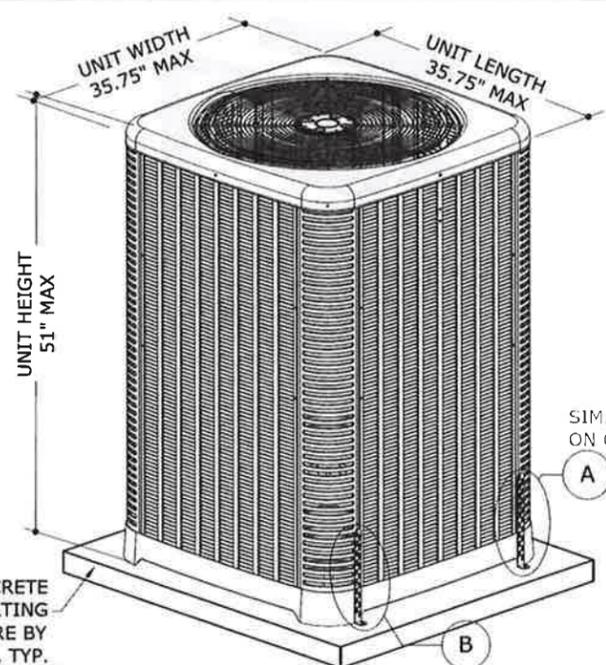
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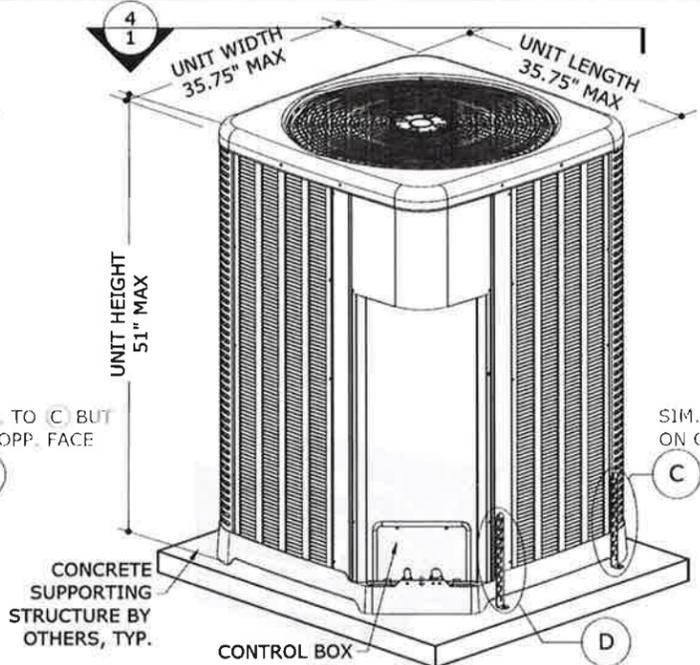
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SCALE: NTS UNLESS NOTED

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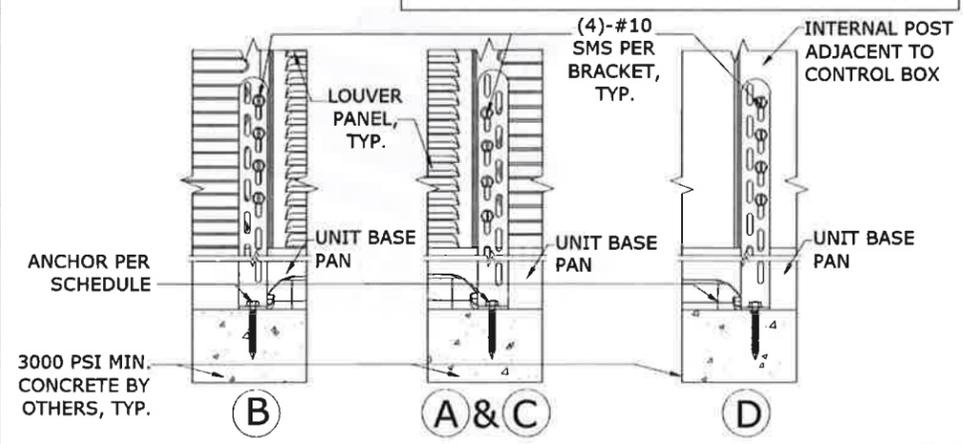


1 MECHANICAL UNIT
1 N.T.S. FRONT ISOMETRIC

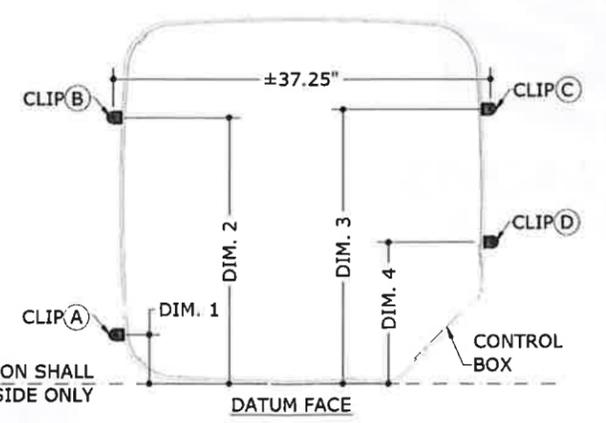


2 MECHANICAL UNIT
1 N.T.S. BACK ISOMETRIC

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



3 TIE-DOWN BRACKETS
1 N.T.S. ELEVATION



4 TIE-DOWN BRACKET LAYOUT
1 N.T.S. PLAN

ANCHOR SCHEDULE:

SUBSTRATE	DESCRIPTION
CONCRETE: (4\"/>	

TIE-DOWN BRACKET OFFSETS:

DIM. 1	4.50\"/>
DIM. 2	30.00\"/>
DIM. 3	31.00\"/>
DIM. 4	13.00\"/>

APPLICABLE MODELS:
RA1642A, RA1648, RA1660, RP1360, RP1460, RP1548, RD1448, RP1560, RD1460, RA/UA1748, RA/UA1760, RA/UA2048, RA/UA2060, RP/UP1748, RP/UP1760, RP/UP2048, RP/UP2060,

APPROVED DESIGN CRITERIA:

ASCE 7-10 Vult=175 MPH (Vasd-136 MPH), EXPOSURE 'D', AT GRADE INSTALLATION ONLY

DESIGN NOTES:

THIS SYSTEM HAS BEEN DESIGNED IN ACCORDANCE WITH ASCE 7-10 AND THE FLORIDA BUILDING CODE SIXTH EDITION (2017) FOR USE WITHIN AND OUTSIDE THE HIGH VELOCITY HURRICANE ZONE. THE DESIGN CRITERIA CONSIDERS ASCE 7-10 SECTION 29.4.1 FOR "OTHER STRUCTURES - SOLID FREESTANDING WALLS" INSTALLATIONS AT GRADE. ALL DESIGN VARIABLES ARE IN ACCORDANCE WITH ASCE 7-10 CHAPTERS 26 & 29.

GENERAL NOTES:

- THIS SYSTEM HAS BEEN DESIGNED AND SHALL BE FABRICATED IN ACCORDANCE WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE SIXTH EDITION (2017) & ASCE 7-10. 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 CABINETY.
- NO 33-1/3% INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS SYSTEM.
- DESIGN & CERTIFICATION OF THE UNIT CABINETY IS APPROVED THROUGH TEST REPORT #0323.01-15 BY AMERICAN TEST LAB OF SOUTH FLORIDA.
- ALL DIMENSIONS AND THE MINIMUM WEIGHT (255 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.
- STRONG BOLT 2 REFERRED TO HEREIN SHALL BE SIMPSON STRONGTIE BRAND & WEDGE BOLT+ SHALL BE POWERS BRAND, SAE GR. 5 CARBON STEEL OR EQUIVALENT ONLY, INSTALLED TO 3000 PSI MIN CONCRETE. SEE ANCHOR SCHEDULE FOR ANCHOR REQUIREMENTS. ALL SHEET METAL SCREWS USED TO FASTEN BRACKETS TO MECHANICAL UNITS SHALL BE #10 (14 MIN THREADS PER INCH) ASTM F593 410 STAINLESS STEEL OR EQUIVALENT ONLY. PROVIDE (5) PITCHES MINIMUM PAST THE THREAD PLANE FOR SHEET METAL SCREWS. ALL FASTENERS SHALL HAVE APPROPRIATE CORROSION PROTECTION TO PREVENT ELECTROLYSIS.
- ALL CONCRETE SPECIFIED HEREIN IS NOT PART OF THIS CERTIFICATION. AS A MINIMUM, ALL CONCRETE SHALL BE STRUCTURAL CONCRETE 4\"/>

V:\Projects\15-2543 Rheem RA-x Cabinetry Family Ground-Mounted Units-Project\WP1\Previous Submittals\15-2543_O - Rheem RA-x Cabinetry Family-Project.dwg
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