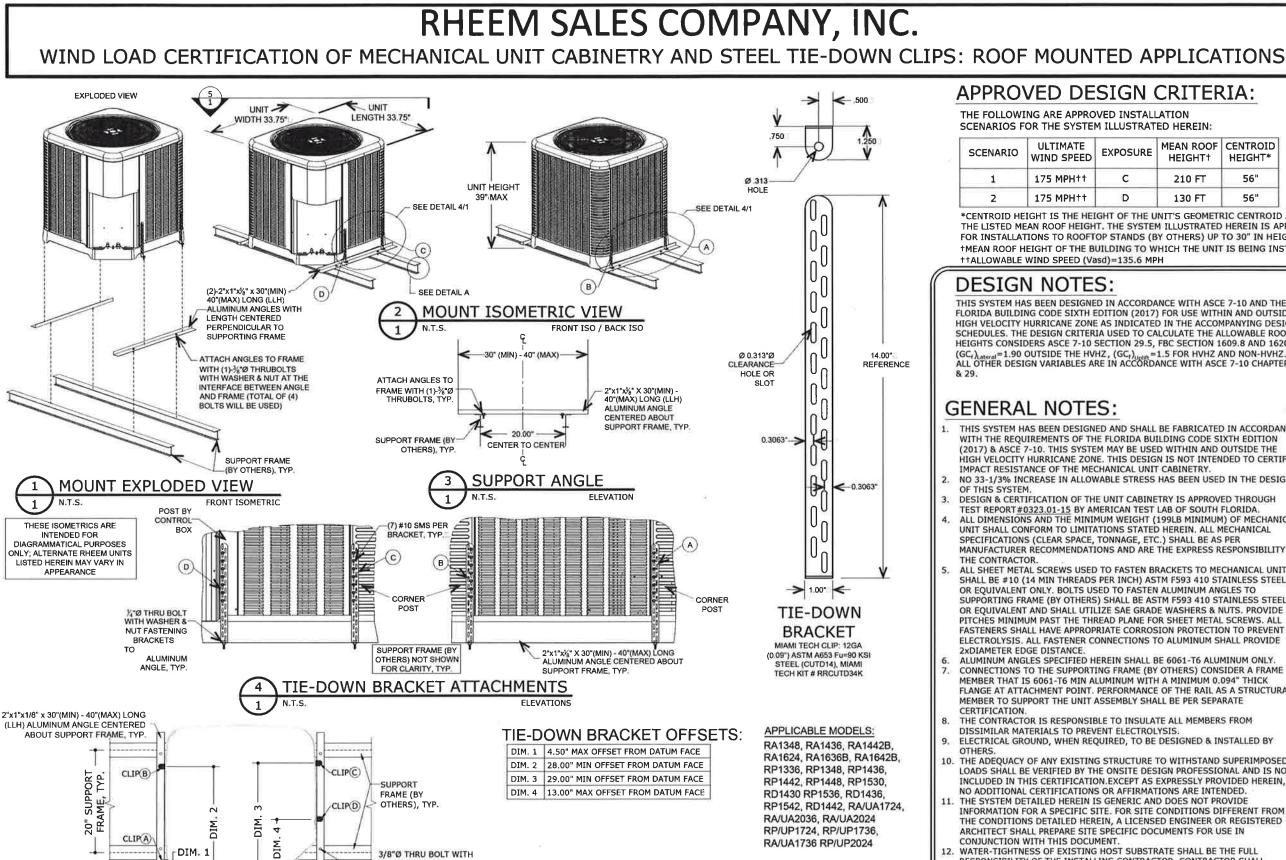
Installation Instructions for Roof Mount Tie-Down Kit

New Platform Rheem & Ruud Outdoor Units

Kit Number: RRCUTD34K

- Center unit on roof mounted I-beams in the desired orientation. The I-beams must be at least 20" apart on center.
- 2) Refer to installation drawing on the reverse side of this sheet for steps 3 9.
- 3) Place the (2) of the 2" x 1" aluminum angles included in kit across the I-beams and against the unit base on opposite sides of the unit as shown in details 1, 2, and 5. Orient the 1" tall section of the angle against the unit and the 2" wide section of the angle on the I-beams.
- 4) Note: Clamps are recommended for holding the angle frame in place while drilling through the angles and I-beams.
- 5) Drill a 3/8" diameter hole through each of the 2" x 1" aluminum angles where they rest on the Ibeams (total of 4 holes) and then through the top flange of the I-beam as shown in detail 3.
- 6) Insert 3/8" bolts included with the kit through the holes in the angle and I-beam, placing the washers under the head of the bolt and between the nut and I-beam flange as shown in detail 3. Tighten the nuts using a back-up wrench on the bolt head.
- 7) Attach each of the four (4) steel "L" brackets included in kit to the sides of the louver panels with seven (7) #10 x ¾" self-drilling screws included with the kit per details 4 and 5. Be sure the bottom of "L" brackets are resting on the angles before attaching the brackets to the louver panels with screws. Please note the brackets are attached to the posts, not the louver panels, to maintain the ability to easily remove the louver panels when servicing the unit.
- 8) Using the hole in the bottom of each "L" bracket as a guide, drill a 1/4" diameter hole through the aluminum angle for the ¼" bolts that will secure the four (4) brackets to the 2" x 1" angles.
- 9) Insert the ¼" bolts included with the kit through the hole in each bracket and angle, placing the washers under the head of the bolt and between the nut and angle as shown in detail 4. Tighten the nuts using a back-up wrench on the bolt head.



3/8"Ø THRU BOLT WITH WASHERS & NUT

FASTENING ANGLE TO

NOTE: UNIT SHALL BE CENTERED

ABOUT THE 20" RAIL TO RAIL

SUPPORTING FRAME (BY OTHERS)

SUPPORTING FRAME

PLAN

CONTROL

BOX

DIM. 1

DATUM FACE

TIE-DOWN BRACKET LAYOUT

CLIP OFFSET DIMENSION SHALL

5

N.T.S.

BE TAKEN FROM THIS SIDE ONLY

 WATER-TIGHTNESS OF EXISTING HOST SUBSTRATE SHALL BE THE FULL RESPONSIBILITY OF THE INSTALLING CONTRACTOR. CONTRACTOR SHALL FULL RESPONSIBILITY OF THE INSTALLING CONTRACTOR.

XPOSURE	MEAN ROOF HEIGHT†	CENTROID HEIGHT*
с	210 FT	56"
D	130 FT	56"

*CENTROID HEIGHT IS THE HEIGHT OF THE UNIT'S GEOMETRIC CENTROID ABOVE THE LISTED MEAN ROOF HEIGHT. THE SYSTEM ILLUSTRATED HEREIN IS APPROVED FOR INSTALLATIONS TO ROOFTOP STANDS (BY OTHERS) UP TO 30" IN HEIGHT. †MEAN ROOF HEIGHT OF THE BUILDING TO WHICH THE UNIT IS BEING INSTALLED

F

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 AS INDICATED IN THE ACCOMPANYING DESIGN SCHEDULES. THE DESIGN CRITERIA USED TO CALCULATE THE ALLOWABLE ROOF-TOP HEIGHTS CONSIDERS ASCE 7-10 SECTION 29.5, FBC SECTION 1609.8 AND 1620.6. (GC₁)_{Lateral}=1.90 OUTSIDE THE HVHZ, (GC₁)_{UCIR}=1.5 FOR HVHZ AND NON-HVHZ. ALL OTHER DESIGN VARIABLES ARE IN ACCODANCE WITH ASCE 7-10 CHAPTERS 26

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 NO 33-1/3% INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN

DESIGN & CERTIFICATION OF THE UNIT CABINETRY IS APPROVED THROUGH TEST REPORT #0323.01-15 BY AMERICAN TEST LAB OF SOUTH FLORIDA. ALL DIMENSIONS AND THE MINIMUM WEIGHT (199LB MINIMUM) OF MECHANICAL UNIT SHALL CONFORM TO LIMITATIONS STATED HEREIN. ALL MECHANICAL MANUFACTURER RECOMMENDATIONS AND ARE THE EXPRESS RESPONSIBILITY OF

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 FOULVALENT ONLY BOLTS USED TO FASTEN ALLMINUM 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

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

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, 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

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

FOR AN EXPLANATION OF EXPOSURE CATEGORIES THAT ACCOMPANY THE Vult WIND SPEEDS USED IN THIS DOCUMENT, SEE SECTION 26.7.3 OF ASCE 7-10.

