

Installation Instructions for Roof Mount Tie-Down Kit

Trane and American Standard Outdoor Units

Kit Numbers: TASSB30K & TASSB36K

- 1) Refer to drawing on the reverse side for unit mounting and orientation details.
- 2) Center unit on roof mounted I-beams. I-beams must be at least 20" apart on center.
- 3) Place the (2) 3" x 3" aluminum angles included in the kit across the I-beams and against the unit base on opposite sides of the unit as shown in the provided drawing. Note that one of the legs of the angles must be positioned underneath the unit.
- 4) Push the 3" x 3" angles against the side of the unit base pan and orient them perpendicular or square to the I-beams.
Note: clamps are recommended for holding the angle frame in place while drilling through the angles and I-beams.
- 5) Remove any excess length on the 3" x 3" angles to maximize access and safety for service personnel.
- 6) Drill a 3/8" diameter hole through each of the 3" x 3" aluminum angles where they intersect the I-beams and then through the top flange of the I-beam, as shown in detail 2 (for a total of 4 holes).
- 7) Insert the (4) 3/8" bolts included with the kit through the holes (drilled in the previous step) in the angle and I-beam.
- 8) Install the (4) 1" x 3" reinforcement plates, washers, and nuts included with the kit underneath the I-beam flange as shown in detail 2. Tighten the nuts using a backup wrench on the bolt heads.
- 9) Attach the (4) steel "L" brackets included with the kit to the sides of the louver panels using (9) #10 x 3/4" self-drilling screws – also included with the kit – as shown in detail 1. Ensure that the bottom of the "L" bracket is resting on the aluminum angle before attaching to the louver panels.
- 10) Using the hole in the bottom of each "L" bracket as a guide, drill a 1/4" hole through the aluminum angle, for a total of 4 holes.
- 11) Install the 1/4" bolts, washers, and nuts included with the kit at each of the (4) holes drilled in the previous step, as shown in Detail 1. Tighten the nuts using a backup wrench on the bolt heads.

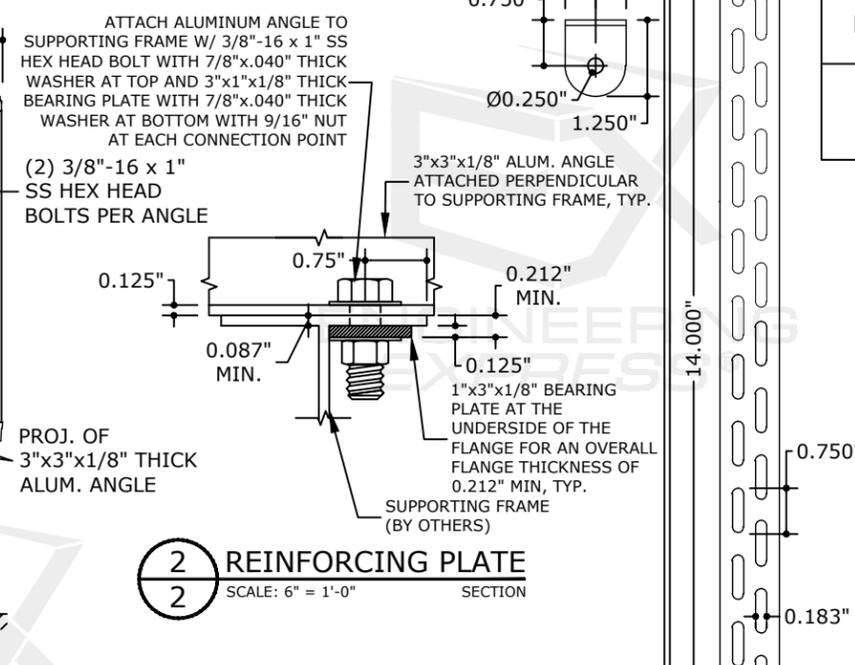
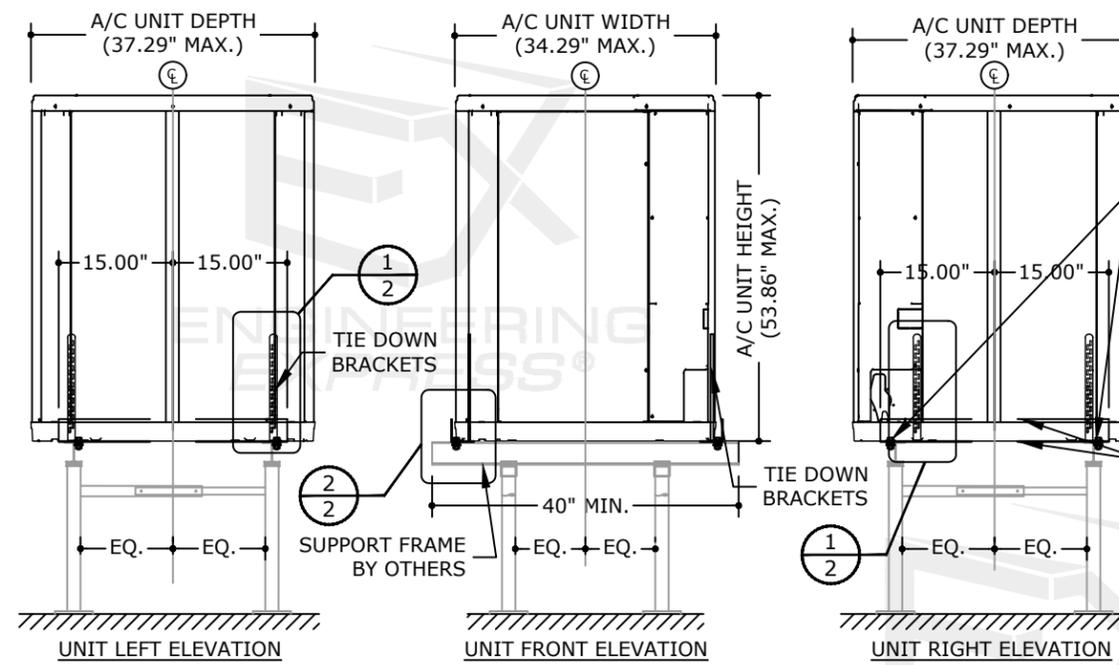
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FRANK BENNARDO, P.E.
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OCTOBER 19, 2023

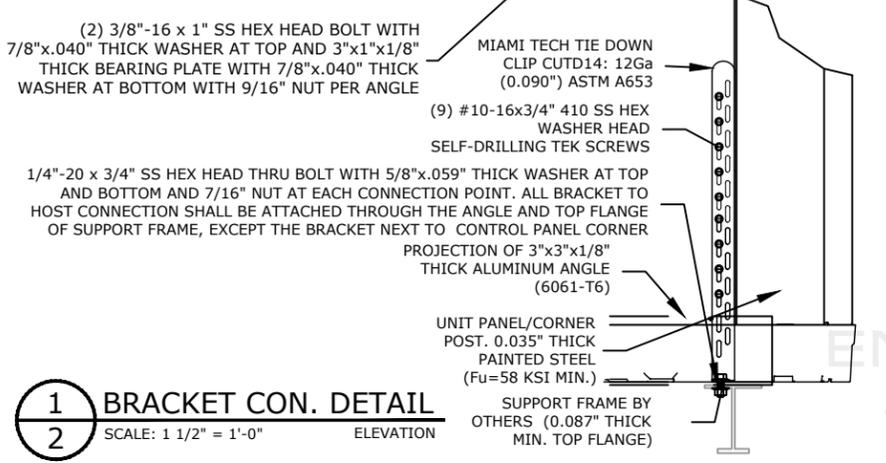
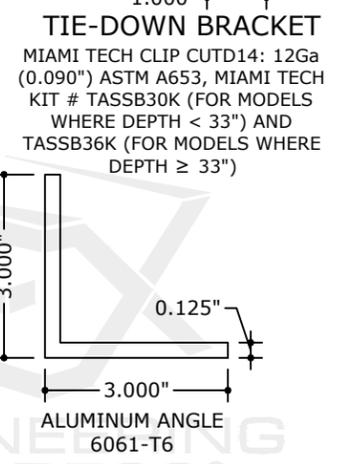
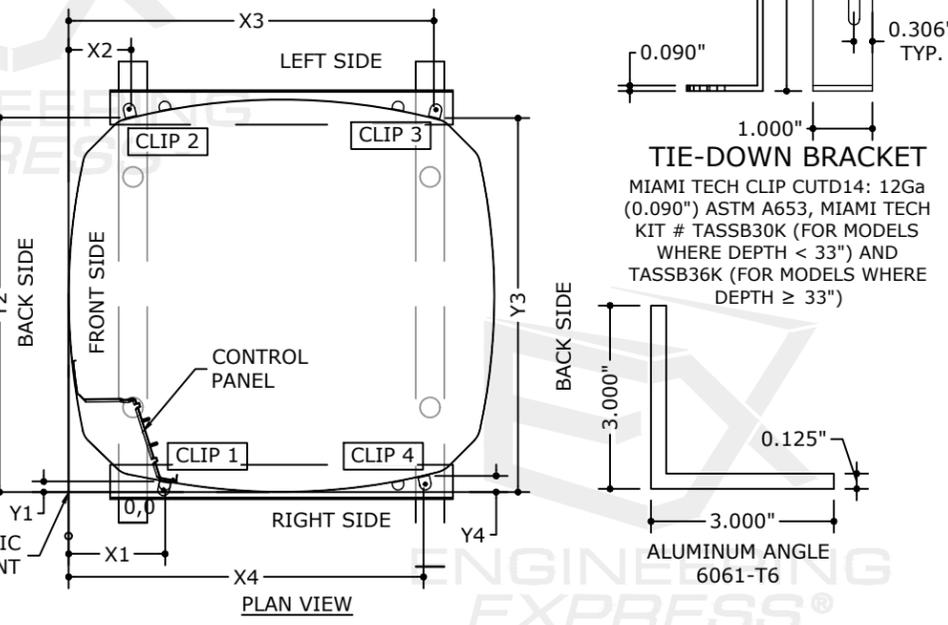
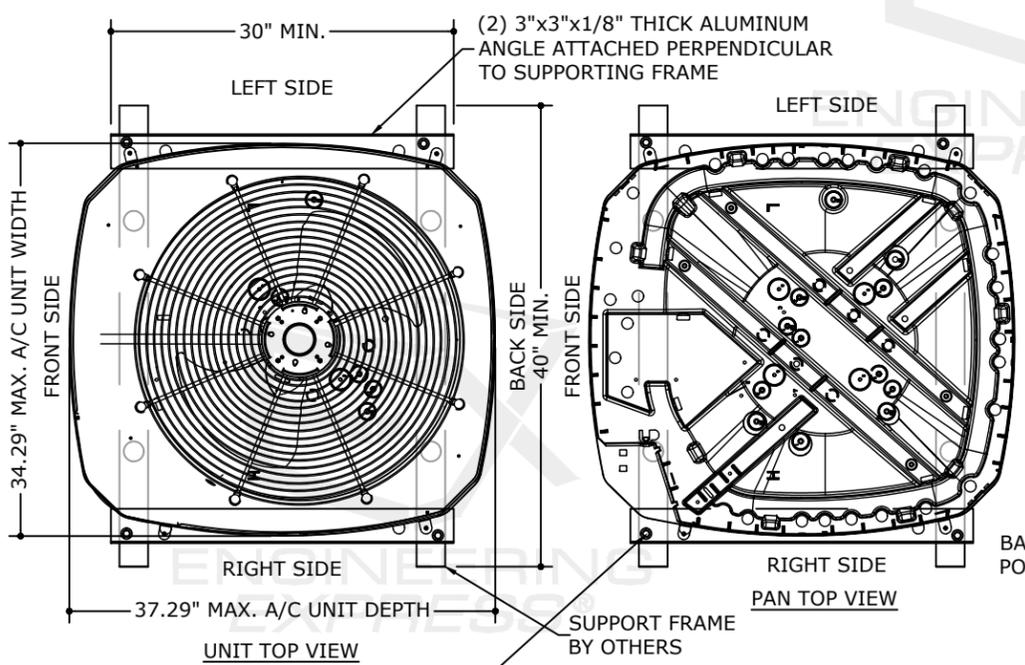
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FRANK L. BENNARDO
LICENSE
No 0046549
STATE OF FLORIDA
PROFESSIONAL ENGINEER
SIGNED: & Date



APPROVED DESIGN PRESSURES (ASD):

LATERAL	UPLIFT
200 PSF	100 PSF



APPLICABLE MODELS:
2/4A6B, 4A6C, 4A6H, 4A6Z, 4A6V,
2/4A7B, 2/4A7C, 4A7A, 4A7Z, 4A7V, 2/4TTA, 2/4TTB, 2/4TWB

AMERICAN STANDARD UNITS

DESIGNATION	ITEM	UNIT WEIGHT (LB)	UNIT DIMENSIONS (IN)			ANCHOR LOCATION DIMENSIONS (IN)							
			WIDTH	DEPTH	HEIGHT	CLIP 1		CLIP 2		CLIP 3		CLIP 4	
						X1	Y1	X2	Y2	X3	Y3	X4	Y4
TYPICAL UNIT	1	120	25.69	28.42	32.77	6 1/2	5/8	4 3/8	24 3/8	24 3/8	24 3/8	23 5/8	1
	2	120	25.69	28.42	25.60	6 1/2	5/8	4 3/8	24 3/8	24 3/8	24 3/8	23 5/8	1
	3	120	29.69	32.65	40.70	7 3/8	3/4	4 3/4	28 1/4	28	28 1/4	27 1/4	1 1/4
	4	120	29.69	32.65	28.77	7 3/8	3/4	4 3/4	28 1/4	28	28 1/4	27 1/4	1 1/4
	5	245	34.29	37.29	45.77	8 1/2	7/8	5 1/2	32 3/4	32	32 5/8	31	1 3/8
	6	120	34.29	37.29	29.18	8 1/2	7/8	5 1/2	32 3/4	32	32 5/8	31	1 3/8

FL 19588.2

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TYLER, TX 75707
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AMERICAN STANDARD CONDENSER (ROOF MOUNTED)
FLORIDA BUILDING CODE EIGHTH EDITION (2023)
FLORIDA STATEWIDE APPROVAL (FSA)

REMARKS	DRWN	CHKD	DATE
PREV. SUBMITTAL (20-28639)	ICCB	FLB	11/19/21
2023 FBC UPDATE	EPR	RWN	10/23/23

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23-68286

SCALE: NTS UNLESS NOTED

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