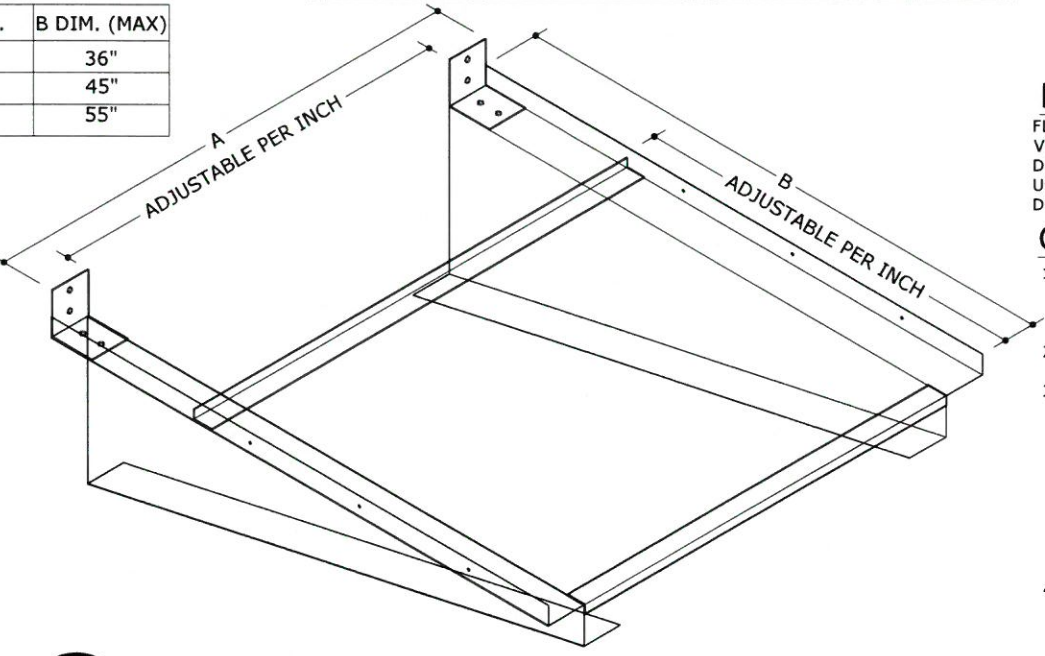
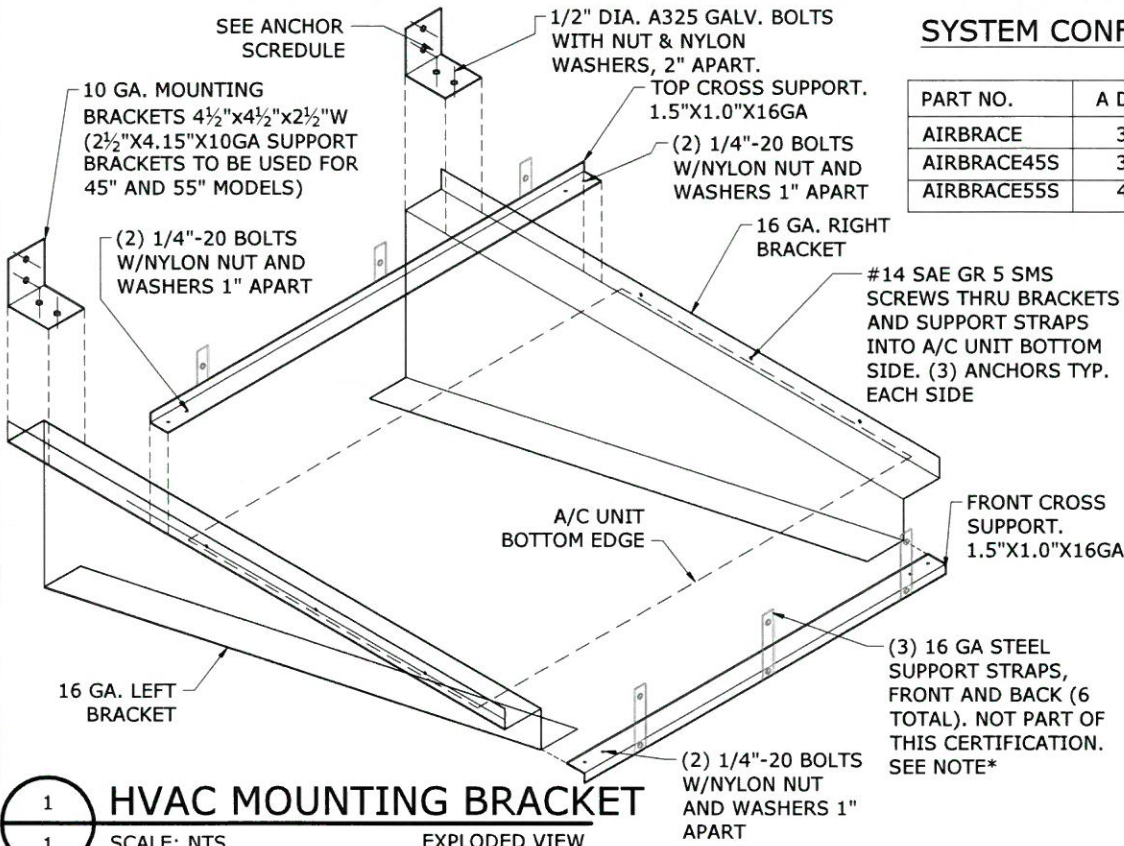


COASTAL & INLAND HURRICANE HVAC UNIT BRACKET

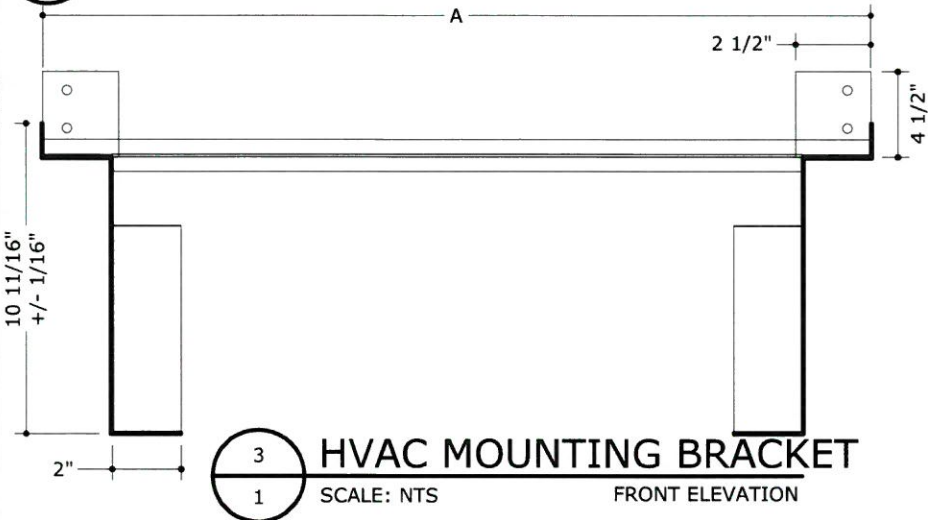
NOTE*: THIS MOUNTING BRACKET DESIGN DOES NOT INCLUDE RESISTANCE FOR UPLIFT. IF FIELD CONDITIONS REQUIRE UPLIFT RESISTANCE, CONTACT THIS OFFICE FOR SEPARATE CERTIFICATION. ONLY TO BE MOUNTED TO THE SIDE OF A BUILDING, NOT FOR ROOFTOP CONDITIONS OR INSTALLATIONS

SYSTEM CONFIGURATIONS

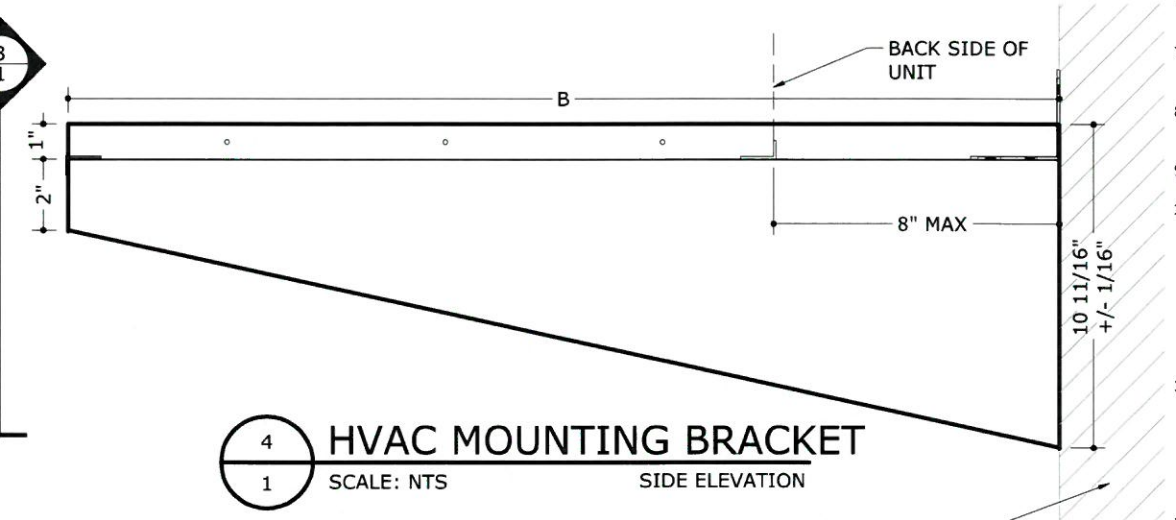
PART NO.	A DIM.	B DIM. (MAX)
AIRBRACE	30"	36"
AIRBRACE45S	36"	45"
AIRBRACE55S	48"	55"



2 HVAC MOUNTING BRACKET
1 SCALE: NTS ISOMETRIC VIEW



3 HVAC MOUNTING BRACKET
1 SCALE: NTS FRONT ELEVATION



4 HVAC MOUNTING BRACKET
1 SCALE: NTS SIDE ELEVATION

EXPOSURE CATEGORY	WIND SPEED (MPH)	MAX UNIT ELEVATION (FT)	MAX PRESSURE (PSF)	MAX UNIT DIMENSIONS (LENGTH x WIDTH x HEIGHT, IN)	MAX UNIT WEIGHT (LBS)	ANCHOR SCHEDULE (PER BRACKET)			
						3 KSI MIN CONCRETE	1.5 KSI MIN GROUT FILLED CONCRETE BLOCK	1/8" THICK MIN. STEEL	WOOD (G=0.55 MIN)
B	170	115	60	48 x 48 x 30	425	(1) 1/2" DIA. POWERS WEDGE BOLT WITH 3-1/2" EMBED. AND 8" MIN EDGE DIST.	(1) 1/2" DIA. POWERS WEDGE BOLT WITH 4" EMBED. AND 12" MIN EDGE DIST.	(2) 1/2" SAE GRADE 5 UNC BOLTS WITH 1-1/2" MIN. SPACING AND 3/4" MIN FROM ANY STEEL EDGE. PROVIDE 5 PITCHES MIN PAST THREAD PLANE	(2) 1/2" DIA. LAG SCREWS WITH 2-1/2" MIN THREAD PENETRATION, 1-1/2" MIN. SPACING AND 3/4" MIN EDGE DIST.
	180	80	60						
C	180	150	90						
	186	110	90						
D	180	80	90						
	186	55	90						

DESIGN NOTES

FLORIDA BUILDING CODE SIXTH EDITION (2017), ASCE 7-10
Vult=SEE SCHEDULE
DESIGNED USING 'ABOVE GRADE SOLID SIGN' METHOD
UNIT ELEVATION=SEE SCHEDULE
DESIGN PRESSURE = SEE SCHEDULE

GENERAL NOTES

- THIS SYSTEM HAS BEEN DESIGNED AND SHALL BE FABRICATED IN ACCORDANCE WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE SIXTH EDITION (2017).
- MAXIMUM DIMENSIONS AND WEIGHT OF UNIT SHALL CONFORM TO SPECIFICATIONS STATED HEREIN.
- ALL MECHANICAL SPECIFICATIONS (CLEAR SPACE, TONNAGE, ETC.) SHALL BE AS PER MANUFACTURER RECOMMENDATIONS AND ARE THE EXPRESS RESPONSIBILITY OF THE CONTRACTOR. THIS DOCUMENT CERTIFIES ANCHORAGE CRITERIA FOR IDENTICAL SIZE AND WEIGHT UNIT REPLACEMENTS ONLY AND REQUIRES THAT THE CURB AND EXISTING STRUCTURE BE APPROVED BY OTHERS BEFORE USE. REFERENCE MANUFACTURERS COMPONENT DRAWINGS FOR DETAILED COMPONENT SPECIFICATIONS.
- ALL FASTENERS TO BE #12 X 3/4" OR GREATER 2024-T4, 18-8 SERIES 300 NON-MAGNETIC STAINLESS STEEL, OR CADMIUM PLATED OR OTHERWISE CORROSION RESISTANT MATERIAL AND SHALL COMPLY ANY APPLICABLE FEDERAL, STATE, AND LOCAL CODES.
- BOLTS SHALL CONFORM TO A.S.T.M. A325, ANCHOR BOLTS SHALL CONFORM TO A.S.T.M. A307. ALL BOLTS SHALL BE HOT DIPPED GALVANIZED, OR STAINLESS STEEL & MEET THE REQUIREMENTS OF ASTM A325.
- ALL MEMBERS SHALL BE ASTM A36 FOR SHAPES OR A653 FOR SHEET STEEL (GRADE 33 MIN) WITH Fy = 36 KSI OR BETTER.
- THE CONTRACTOR IS RESPONSIBLE TO INSULATE ALL MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS
- FOR STEEL MEMBERS ALL ANCHORS SHALL BE SPACED WITH 3xDIAMETER MIN. SPACING TO ADJACENT ANCHORS AND 1.5xDIAMETER MIN. END DISTANCE.
- ELECTRICAL GROUND, WHEN REQUIRED, TO BE DESIGNED & INSTALLED BY OTHERS.
- 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.
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- EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.

FRANK L. BENNARDO, P.E.
PE# 0046549
02/22/2018
IF CHECKED, CERTIFYING P.E. APPEARS BELOW
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COASTAL AND INLAND HURRICANE HVAC BRACKET PRODUCTS
ASCE 7-10
FLORIDA BUILDING CODE SIXTH EDITION (2017)

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	TSB	08/18/14	
2014 FBC	RWN	08/05/15	
2017 FBC	LAO	02/22/18	

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14-1670b
SCALE: NTS UNLESS NOTED
1 OF 1