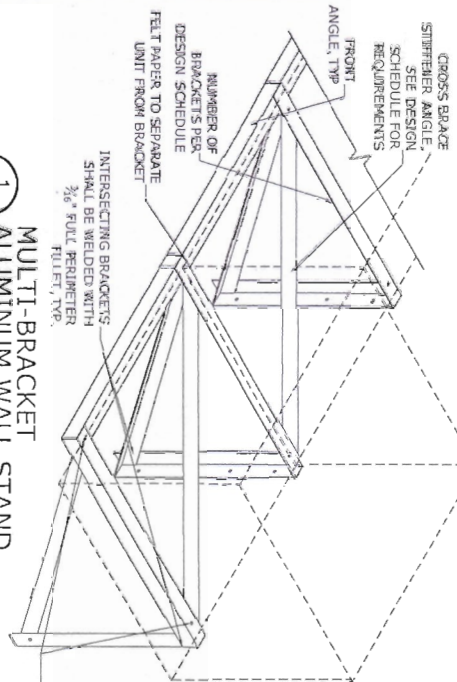


# MIAMI TECH, INC.

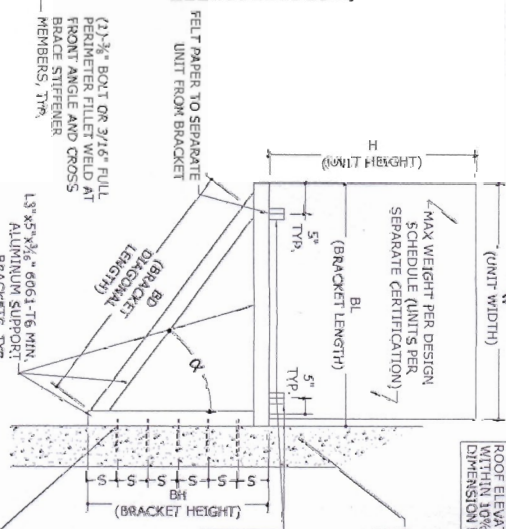
## ALUMINUM WALL BRACKET SUPPORTS

3611 NW 74TH STREET, MIAMI, FL 33147

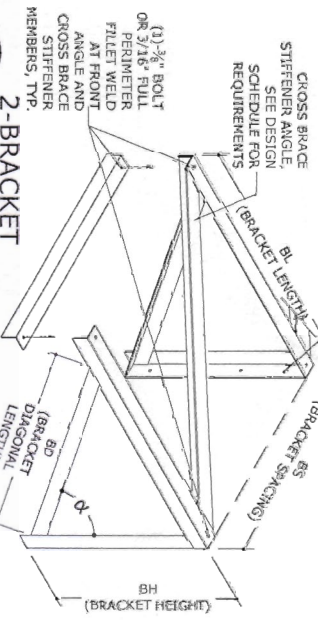
**NOTE:**  
 WALL BRACKET SUPPORTS AS ILLUSTRATED  
 ARE INTENDED FOR USE UNDER NORMAL  
 WEATHERING CONDITIONS OR ZONE 5. WILL  
 NOT BE USED AT PARAPETS, ANY PART OF THE  
 BUILDING THAT EXCEEDS THE FINISHED  
 FLOOR ELEVATION, OR ANY WALL ZONE  
 OR OVER THE 500' (152.4M) BUILDING  
 DIMENSION PER ASCE 7-10.



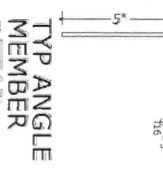
**1 MULTI-BRACKET ALUMINUM WALL STAND**  
 N.T.S. ISOMETRIC VIEW



**2 ALUMINUM WALL STAND**  
 N.T.S. SECTION VIEW



**3 2-BRACKET ALUMINUM WALL STAND**  
 N.T.S. ISOMETRIC VIEW



**4 TYP ANGLE MEMBER DETAIL**  
 N.T.S. SECTION VIEW

### ANCHOR SCHEDULE:

SUBSTRATE	ANCHOR
CONCRETE: (5/16" THICK MIN, 3000 PSI MIN.)	3/8" Ø CARBON STEEL POWER WEDGE BOLTS WITH 3/8" Ø SAE WASHER, 3/4" FULL EMBED TO NON-CRACKED CONCRETE, 4" MIN. EDGE DISTANCE, SPACING AS ILLUSTRATED IN ELEVATION/SECTION.
WOOD: (G=0.55 MIN.)	1/2" Ø CARBON STEEL WOOD LAG SCREW W/ 3/8" Ø SAE WASHER, 2" MIN. THREAD PENETRATION TO WOOD HOIST, 3/4" MIN. EDGE DISTANCE, SPACING AS ILLUSTRATED IN SECTION.

1. EMBEDMENT AND EDGE DISTANCE EXCLUDES FINISHES, IF APPLICABLE.
2. ENSURE MINIMUM EDGE DISTANCE AS NOTED IN ANCHOR SCHEDULE.
3. INSTALL ALL ANCHORS PER MANUFACTURER'S SPECIFICATIONS.
4. PRE-DRILL WOOD LAGS TO AVOID SPLITTING OF WOOD MEMBERS.

### DESIGN SCHEDULE:

CONFIGURATION TYPE	BRACKET DIMENSIONS				MAX UNIT DIMENSIONS				ANCHORS			MAXIMUM TOTAL UNIT WEIGHT (NUMBER OF BRACKETS)			UTILIZE STIFFENERS FOR INSTALLATIONS WITH THE FOLLOWING NUMBER OF BRACKETS		
	BL	BS	BH	BD	W	H	α	QTY. PER BRACKET LEG	S	(2)	(3)	(4)	(5)	2 BRACKETS ONLY	2 BRACKETS ONLY	2 & 3 BRACKETS	
AWB103036-WLR24	30"	24"	36"	447"	30"	30"	30"	(9)	6"	550 LB	1100 LB	1650 LB	2200 LB				
AWB103636-WLR30	36"	30"	36"	450"	36"	38"	36"	(9)	6"	650 LB	1100 LB	1650 LB	2200 LB				
AWB104836-WLR36	48"	36"	36"	453"	48"	45"	36"	(5)	6"	650 LB	1100 LB	1650 LB	2200 LB				

**MAXIMUM ALLOWABLE DESIGN PRESSURES:**  
 +/- 60 PSF

### DESIGN NOTES:

DESIGN PRESSURES CALCULATED FOR USE WITH THIS SYSTEM SHALL BE DETERMINED IN ACCORDANCE WITH THE FOLLOWING: 1. IN ACCORDANCE WITH THE GOVERNING STATE PRESSURE REQUIREMENTS AS DETERMINED IN ACCORDANCE WITH ASCE 7-10 AND CHAPTER 16 OF THE 2010 FLORIDA BUILDING CODE SHALL BE LESS THAN OR EQUAL TO THE ALLOWABLE DESIGN PRESSURE. 2. THE CAPACITY VALUES LISTED HEREIN FOR ANY ASSEMBLY AS SHOWN.

### GENERAL NOTES:

1. THIS SPECIFICATION HAS BEEN DESIGNED AND DEVELOPED IN ACCORDANCE WITH THE CODES AND STANDARDS LISTED HEREIN. THE DESIGNER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITIES. 2. THE ARCHITECT/ENGINEER OR RECORD FOR THE PROJECT SUPERSTRUCTURE WITH WHICH THIS DESIGN IS USED SHALL BE RESPONSIBLE FOR THE INTEGRITY OF ALL COORDINATED WITH THE PERMITTING CONTRACTOR. 3. MAXIMUM DIMENSIONS AND WEIGHT OF A/C UNIT SHALL CONFORM TO SPECIFICATIONS LISTED HEREIN. 4. ALL FASTENERS TO BE 3/8" Ø OR GREATER SAE GRADE 5 UNLESS NOTED OTHERWISE. FASTENERS SHALL BE ANTI-CORROSION AND SHAP CONFORM WITH SPECIFICATIONS FOR ALUMINUM STRUCTURES SECTION 5.2.1 BY THE ALUMINUM ASSOCIATION, INC. & ANY APPLICABLE TRADE. 5. ALL ALUMINUM EXTENSIONS SHALL BE 6061-T6 OR 6005-T5 ALUMINUM ALLOY, UNLESS NOTED OTHERWISE. 6. ALL ALUMINUM WELDING SHALL BE PERFORMED IN ACCORDANCE WITH THE TOLERANCES, QUALITY AND METHODS OF CONSTRUCTION AS SET FORTH IN FBC SECTION 2001.2 AND THE AMERICAN WELDING SOCIETY'S SECTION 5.2.1. 7. ALL WELDS SHALL BE FULL PENETRATION WELDS IS 3/16" THROUGH FULL PERIMETER FILLET WELD UNLESS OTHERWISE NOTED. 8. ALL CONCRETE ANCHORS PER MANUFACTURER'S RECOMMENDATIONS. 9. IT IS RESPONSIBLE TO INSULATE ALL MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT GALVANIC CORROSION. 10. ELECTRICAL GROUND, WHEN REQUIRED, TO BE 11 GAGES. 11. ALL DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE SPECIFIED. 12. CLEAR SPACE, TOWERING, ETC. SHALL BE AS PER MANUFACTURER'S RECOMMENDATIONS AND ARE THE EXPRESS RESPONSIBILITY OF THE CONTRACTOR. 13. SPECIFICATION BY CONTRACTOR, 6% ± INDENTURES & DIMENSIONS SHALL BE AS PER MANUFACTURER'S RECOMMENDATIONS. 14. ALL ALTERATIONS, ADDITIONS, HIGH-LIGHTING OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE THIS CERTIFICATION.

**MIAMI TECH, INC.**  
 3611 NW 74TH STREET  
 MIAMI, FL 33147  
 PH: (305) 693-7054  
 WWW.MIAMI-TECH.COM  
 ALUMINUM WALL STAND  
 FOR A/C EQUIPMENT  
 (MASTER PLAN SHEET)

**ENGINEERING EXPRESS**  
 160 SW 12th AVENUE, #106  
 DEERFIELD BEACH, FL 33442  
 PH: (954) 354-0660 FAX: (954) 354-0443  
 WWW.ENGGXP.COM  
 CERT. OF AUTH. ENGINEER  
 A FRANK L. BERNARDO, P.E., INC. INNOVATION

REMARKS	DRWN/CHKD	DATE
REV FOR 2010 FBC	CSL	08-07-22
REV FOR 2016 FBC	CSL	08-07-22

SCALE: 1/4" = 1'-0"  
 PAGE DESCRIPTION: 07-MTI-0001  
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