

ANCHORS

S

6 "

6 "

6'

550 LB

550 LB

550 LB

QTY. PER

BRACKET LEG

(6)

(6)

(6)

DIMENSIONS

D

30 '

36 '

45 '

Н

30 "

38 '

45 "

BRACKET DIMENSIONS

BS

24 "

30 '

36 '

BH

36 "

36 '

36 '

BD

±47 "

±50

±60 "

α

±40°

±45°

±53°

CONFIGURATION

TYPF

AWB143036-WLR24

AWB143636-WLR30

AWB144836-WLR36

BL

30 "

36 "

48 "

MAXIMUM ALLOWABLE DESIGN PRESSURES:

+/- 170 PSF

DESIGN NOTES:

DESIGN PRESSURES CALCULATED FOR USE WITH THIS SYSTEM SHALL BE DETERMINED SEPARATELY ON A JOB-SPECIFIC BASIS IN ACCORDANCE WITH THE GOVERNING CODE
USING ASD METHODOLOGY. SITE-SPECIFIC
PRESSURE REQUIREMENTS AS DETERMINED IN
ACCORDANCE WITH ASCE 7-16 AND CHAPTER
16 OF THE FLORIDA BUILDING CODE SEVENTH EDITION (2020) SHALL BE LESS THAN OR EQUAL TO THE LATERAL AND UPLIFT DESIGN PRESSURE CAPACITY VALUES LISTED HEREIN FOR ANY ASSEMBLY AS SHOWN.

GENERAL NOTES:

1. THIS SPECIFICATION HAS BEEN DESIGNED AND SHALL BE FABRICATED IN ACCORDANCE WITH THE REQUIREMENTS OF THE 6TH EDITION FLORIDA BUILDING CODE (2017) AND 7TH EDITION FLORIDA BUILDING CODE (2020) FOR USE WITHIN AND OUTSIDE THE HVHZ. DESIGN CRITERIA BEYOND AS STATED HEREIN MAY REQUIRE

ADDITIONAL SITE-SPECIFIC SEALED ENGINEERING.

THE ARCHITECT/ENGINEER OF RECORD FOR THE PROJECT SUPERSTRUCTURE WITH WHICH THIS DESIGN IS USED SHALL BE RESPONSIBLE FOR THE INTEGRITY OF ALL SUPPORTING SURFACES TO THIS DESIGN WHICH SHALL BE COORDINATED BY THE PERMITTING CONTRACTOR

3. MAXIMUM DIMENSIONS AND WEIGHT OF A/C UNIT SHALL CONFORM TO SPECIFICATIONS STATED HEREIN. SEPARATE 'SITE-SPECIFIC' SEALED ENGINEERING SHALL BE REQUIRED IN ORDER TO DEVIATE FROM LOADS OR MAXIMUM MEMBER SPANS CONTAINED HEREIN.

THE SYSTEM DETAILED HEREIN IS GENERIC AND THE SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE 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 CONJUNCTION WITH THIS DOCUMENT.

6. ALL FASTENERS TO BE 3/8 OR GREATER SAE GRADE 5 UNLESS NOTED OTHERWISE, FASTENERS SHALL BE CADMIUM-PLATED OR OTHERWISE CORROSION-RESISTANT MATERIAL AND SHALL COMPLY WITH "SPECIFICATIONS FOR ALUMINUM STRUCTURES" & ANY APPLICABLE FEDERAL STATE, AND/OR LOCAL CODES.

7. ALL ALUMINUM EXTRUSIONS SHALL BE 6061-T6 OR 6005-T5 ALUMINUM ALLOY, UNLESS NOTED OTHERWISE. ALUMINUM WELDING SHALL BE PERFORMED IN

ACCORDANCE WITH FBC SECTION 2003.8.1.4 WITH WELD FILLER ALLOYS MEETING ANSI/AWS A5.10 STANDARDS TO ACHIEVE ULTIMATE DESIGN STRENGTH IN ACCORDANCE WITH THE ALUMINUM DESIGN MANUAL, TABLE A.3.6 ALL ALUMINUM CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE TOLERANCES, QUALITY AND METHODS OF CONSTRUCTION AS SET FORTH IN FBC SECTION 2003.2 AND THE AMERICAN WELDING SOCIETY'S STRUCTURAL WELDING CODE-ALUMINUM. MINIMUM WELD IS 3/16" THROAT FULL PERIMETER FILLET WELD UNLESS OTHERWISE NOTED.

9. CONCRETE ANCHORS NOTED HEREIN SHALL BE

EMBEDDED TO UN-CRACKED CONCRETE ONLY. INSTALL ALL CONCRETE ANCHORS PER MANUFACTURER'S RECOMMENDATIONS.

THE CONTRACTOR IS RESPONSIBLE TO INSULATE ALL MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS.

11. ELECTRICAL GROUND, WHEN REQUIRED, TO BE DESIGNED & INSTALLED BY OTHERS. ALL MECHANICAL SPECIFICATIONS (CLEAR SPACE, TONNAGE, ETC) SHALL BE AS PER MANUFACTURER RECOMMENDATIONS AND ARE THE EXPRESS RESPONSIBILITY OF THE CONTRACTOR.

ENGINEER SEAL AFFIXED HERE TO 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.

13. EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE 14. ALTERATIONS, ADDITIONS OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE THIS CERTIFICATION.

UTILIZE STIFFENERS FOR

INSTALLATIONS WITH THE

FOLLOWING NUMBER OF

BRACKETS

2 BRACKETS ONLY

2 BRACKETS ONLY

2 & 3 BRACKETS

MAXIMUM TOTAL UNIT WEIGHT

(NUMBER OF BRACKETS)

(4)

1650 LB

1650 LB

1650 LB

(5)

2200 LB

2200 LB

2200 LB

(3)

1100 LB

1100 LB

1100 LB

08/21/2020

FRANK BENNARDO PE

E# 0046549 CA# 9885

NOTICE: IF THIS SHEET DOES NOT CONTAIN AN ORIGINAL SIGNATURE & ENGINEER SEAI

IGNATURE ON SHEET 1, THIS SHEET IS PART OF A DIGITALLY SIGNED FILE, SHALL REMAIN IN DIGITAL FORMAT, & PRINTED OPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNE AND SEALED. IF THERE IS NO DIGITAL SIGNATURE ON SHEET OR THIS SHEET DOES NOT ONTAIN AN ENGINEER'S

ORIGINAL SIGNATURE & SEAL, THIS SHEET IS A COPY/DRAFT. JFICE: SUITE 106 1, FL 33442)396-999

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ALUMINIUM WALL STAND FOR A/C MASTER PLAN SHEET FLORIDA BUILDING CODE SEVENTH ED

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SCALE: NTS UNLESS NOTED