ALUMINUM WALL BRACKET SUPPORTS (EXTENDED OPTION) VALID FOR USE INSIDE AND OUTSIDE THE HVHZ ZONE (SEE LIMITATIONS HEREIN)

NON-SITE-SPECIFIC STRUCTURAL PERFORMANCE EVALUATION. A DESIGN PROFESSIONAL SHALL BE RESPONSIBLE FOR CERTIFYING THE APPLICATION OF THIS INFORMATION TO ANY SITE-SPECIFIC LOCATION.

> MAXIMUM ALLOWABLE DESIGN PRESSURES (ASD):

> > +/- 60 PSF

NOTE: FOR SITE-SPECFIC APPLICATIONS, SOLID-ATTACHED SIGNS' METHODOLOGY 'ASCE 7-22' SECTION 29 3.2) SHALL BE USED, THIS EXTENDED CONFIGURATION IS NOT APPLICABLE FOR SCENARIO WHERE THE BUILDING MEAN ROOF HEIGHT IS HIGHER THAN 15 FEET.

## 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 METHODOLCGY, SITE-SPECIFIC PRESSURE REQUIREMENTS AS DETERMINED IN ACCORDANCE WITH ASCE 7-22 AND CHAPTER 15 OF FLORIDA BUILDING CODE EIGHTH EDITION (2023) SHALL BE LESS THAN OR EQUAL TO THE LATERAL AND UPLIFT DESIGN PRESSURE CAPACITY VALUES LISTED HEREIN FOR ANY ASSEMBLY AS SHOWN.

## TERMINOLOGY:

THE FOLLOWING ABBREVIATIONS MAY APPEAR IN THIS

"ADDITL." FOR "ADDITIONAL", "AHJ" FOR "AUTHORITY HAVING JURIS DICTION", "ALUM" FOR "ALUM INUM, 'ASD" FOR "ALLC WABLE STRESS DESIGN", "BC" FOR "BUI\_D-OUT", "CS" FOR "CARBON STEEL", "EA." FOR "EA.CH", "E.D." "EDGE "/"EDGE DIST." FOR "EDGE DISTANCE", "ELEV" FOR "ELEVATION", "EMBED" FOR "EMBEDMENT", "EQ","EQUIN." FOR "EQUIVALENT", "EXT" FOR "EXTERIOR", "FBC" FOR "FLORIDA EUILDING CODE", "T" OR " ! " FOR "FEET", "G" FOR "SPECIFIC GRAVITY", "GA" FOR "GAUGE", "GALV" FOR "GALVANIZED", "GFB" FOR "GF.OUT-FILLED BLOCK", "GR" FOR "GRADE", "HOLLOW" FOR "HOLLOW BLOCK", "HORL:" FOR "HORIZONTAL", "HVHZ' FOR "HIGH-VELOCITY HURRICANE ZONE", "In" OR " " " FOF. "IN CHES", "INT" FOR "INTERIOR', "KSI" FOR "1,000 lb / 172", "L" FOR "LENGTH", "LE" FOR "POUND", "MAX" FOR "MAXIMUM, "MIN" FOR 'MINIMUM", "N.T.S." FOR 'NO" TO SCALE", 'O.C." FOR "ON-CENTER", "P.E." FOR "PROFES SIGNAL ENGINEER", "PERP" FOR "PERPENDICULAR", "PSF" FOR "POUNDS PIER SQUARE FOOT ( b/fi2)", "PSI" FOR "PO JNES PER SQUARE IIICH (Ib/in2)", "OTY" FOR "OUANTI Y", "REF." FOR "REFERENCE", "SCHED." FOR "SCHEDULE", "SIDS" FOR "SELF-DRILLING SCREWS", "SMS" FOR "SHEET NET/L SCREWS", "SPECS" FOR "SPECIFICATIONS", "SS" FOR "STAINLESS STEEL", "SUB" FOR "SUBMITTAL", "TAS" FOR "TESTING APPLICATION STANDARD", ""YP," FOR "TYPICAL", "JLT" FOR "ULTIMA"E LOADS", "U.N.O."
FOR 'UNLESS NOTED OTHERWISE", "UTS" OR 'FU" FOR "ULT MA'TE TENSILE STIENGTH/STRESS", 'VEI:T" FOR "VERTICAL", "WILL" FOR "WORKING LOAD LIMIT", 'W/" FOR "WITH", "W/D" FOR "WITHCUT", "YS" FOR "YIELD STRENGTH", "F" FOR "NUMBER", "&" FOR "AND", AND "3" FOR "DIAMETER".

CONTACT ENGINEERING EXPRESS FOR ADDITIONAL ABBREVIATION/TERMINOLOGY CLARIFICATIONS.

## GENERAL NOTES:

- THIS SYSTEM HAS BEEN DESIGNED AND SHALL BE FABRICATED IN ACCORDANCE WITH THE REQ JIREMENTS OF THE FLORIDA BUILDING CODE STH EDITION (2023). ALSO APPLICABLE FOR THE IBC/JRC (2021). DESIGN SHALL UTILIZE ASD DESIGN METHOD JSING ASCE 7-22 CODES FOR STE SPECIFIC APPLICATIONS AS APPLICABLE.
- APPLICABLE FOR USE WITHIN AND OUTSIDE THE HVHZ. DESIGN CRITERIA BEYOND AS STATED HEREIN MAY REQUIRE ADDITIONAL SITE-SPECIFIC SEALED
- 3. 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 CCORDINATED BY THE PERMITTING CONTRACTOR.
- MAXINUM DIMENSIONS AND WEIGHT OF A/C UNIT SHALL CONFORM TO SPECIFICATIONS STATED HEREIN.
- SEPARATE 'S)TE-SPECIFIC' SEALED ENGINEERING SHALL BE REQUIRED IN ORDER TO DEVIATE FROM LDADS, OR MAXINUM MEMBER SPANS CONTAINED HEREIN.
- THE SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SECIFIC STIE. FOR SITE CONDITIONS DIFFIERENT FROM THE CONDITIONS DETAILED HEREIN, A LICENSEE ENGINEER OR REGISTERE ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THIS DOCUMENT.
- ALL FASTENERS TO BE 3/8" OR GREATER SAE GR 5 UNLESS NOTIED OTHERVISE. FASTENERS SHALL BE CADMIUM-PLATED OR OTHERWISE CORROSION-RES.STANT MATERIAL AND SHALL COMPLY WITH "SPECIFICATIONS FOR ALUNIANIM STRUCTURES" & ANY APPLICABLE FEDERAL, STATE AND/OR LOCAL CODES.
- ALL ALUMINUM EXTRUSIONS/ MEMBERS SHALL BE 6061-T6 OF. 6005-T5 ALUMINUM ALLOY, UNLESS NOTED OTHERWISE.

## GENERAL NOTES (CONTINUED):

9. ALUMINUM WELDING SHAL. BE PERFORMED IN ACCORDANCE WITH FBC SECTION 2(03.8.1.4 WITH WELD FILLER ALLOYS MEETING ANS AWS AS 1.0 STANDARDS TO ACHEVE ULTIMATE DESIGN STRENGTH IN ACCORDANCE WITH THE ALL MINUM 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. MINIMUM WELD IS 3/16 THROAT FULL PERIMETER FILLET WELD UNLESS OTHERWISE

CONCRETE ANCHORS NOTED HEREIN SHALL BE EMBEDDED TO JN-CRACKED CONCRETE ONLY, INSTALL ALL CONCRETE ANCHORS PER MANUFACTURER'S RECOMMENDATIONS.

- 11. THE CONTRACTOR IS RESPONSIBLE TO INSULATE ALL NEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS.
- 12. ELECTRICAL GROUND, WHEN REQUIRED, TO BE DESIGNED & INSTALLED BY OTHERS, ALL MECHANICAL SPECIFICATIONS (CLEAR SPACE, TONNAGE, ETC) SHALL BE AS FER MANUFACTURER RECOMP ENDATIONS AND ARE THE EXPLESS RESPONSIBILITY OF THE CONTRACTOR.
- ENGINEER: SEAL AFFIXED HERE TO VALIDATES 13. ENGINEER: SEAL REFIXED HERE TO VALIDATES STRUCTURAL DESISTA AS SEICWN ONLY. USE OF THIS SPECIFICATION BY CONTEACTOR, et al. INDEMNIFIES & SAVES HARMLESS THIS ENGINEER FOR ALL COST 8 DA MAGES INCLIDING LEGAL FEES & APPELLATE FEES RESULTING FROM NATERIAL FRABELACTION, SYSTEM ERECTION, & CONSTRUCTION PLACTICES EXPOND THAT WHICH IS CALLED TOOR OF A CONTROL OF THE RESERVENCE OF THE CONTROL OF THE RESERVENCE OF THE RESERVENCE OF THE CALLED THE RESERVENCE OF TH FOR BY LOCAL, STATE, & FEDERAL CODES & FROM DEVIATIONS OF THIS PLAN.
- 14. EXCEFT AS EXPRESSLY PROVIDED HEFEIN, NO ADDITIONAL CERTIFICATIONS OF AFFIRMATIONS ARE
- 15. ALTERATIONS, ADDITIONS OR OTHER MARKINGS: TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE THIS

Richard Neet PE FL PE REARING CANCED STALL SEAL

WHEN DIGITALLY SEALED, THIS NOVE ." SHALL BE FULLY COVERED ON SHEET! WHEN PRINTED OR PHYSICALLY SEALER SEAL OF CERTIFYING ENGINEER, AND DATE OF CERTIFICATION SHA SHOWN TO THE RIGHT.

ORIGINAL SIGNED & SEALED PLANS REQUIRED FOR

PERMIT, THIS MANUFCTURER'S SET IS NOT TO BE USED FOR PERMIT OR CONSTRUCTION.

PAGE INDEX:

EXTENDED WALL BRACKETS SPECIFICATIONS

DESCRIPTION

COVER SHEET

SHEET INDEX

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**AUGUST 8, 2025** 

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