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

DESIGN NOTES

THIS SYSTEM HAS BEEN DESIGNED TO MEET THE MAXIMUM ASD DESIGN WIND PRESSURES AS LISTED BELOW. SEE ACCOMPANYING LIMITATIONS AND CONDITIONS:

ASD ±90lb/ft2 (UPLIFT)

ASD DESIGN WIND PRESSURES ARE TO BE CALCULATED ON A SITE-SPECIFIC BASIS IN ACCORDANCE WITH ASCE 7 "ABOVE GRADE SOLID SIGN" WIND PRESSURE METHODOLOGY. DESIGN PARAMETERS ARE NOT TO EXCEED THE FOLLOWING:

SITE-SPECIFIC PRESSURES SHALL BE LESS THAN OR EQUAL TO THE MAXIMUM ALLOWABLE ASD DESIGN WIND PRESSURES LISTED ABOVE.

GENERAL NOTES

- THIS SYSTEM HAS BEEN DESIGNED AND SHALL BE FABRICATED IN ACCORDANCE WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 8TH EDITION (2023) & FLORIDA BUILDING CODE 7TH EDITION (2020). ALSO APPLICABLE FOR THE 2012, 2015, 2018 & 2021 INTERNATIONAL BUILDING & RESIDENTIAL CODES AS WELL AS THE CURRENT VERSIONS OF THE MN, NC, NJ, NY, OH, SC, & VA BUILDING CODES AS APPLICABLE. CODE ENFORCED COMPLIES WITH STATE OF SEAL AND IF MULTIPLE VERSIONS ARE LISTED THEN MOST STRINGENT APPLIES. CONTRACTOR SHALL INVESTIGATE AND CONFORM TO ALL LOCAL BUILDING CODE AMENDMENTS WHICH MAY APPLY AND GOVERN. DESIGN SHALL UTILIZE ASD DESIGN METHOD USING ASCE 7-22, ASCE 7-16 OR ASCE 7-10 CODES FOR SITE-SPECIFIC APPLICATIONS AS APPLICABLE.
- 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 2 " " 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 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 RESULTING FROM MATERIAL FABRICATION, SYSTEM ERECTION, CONSTRUCTION PRACTICES BEYOND THAT WHICH IS CALLED FOR BY LOCAL, STATE, & FEDERAL CODES & FROM DEVIATIONS OF THIS PLAN
- IT IS ASSUMED THAT THE ROLE OF THIS ENGINEER FOR THIS PROJECT IS THAT OF SPECIALTY ENGINEER AND NOT THE ENGINEER OF RECORD, CONSEQUENTLY, THE ARCHITECT/ENGINEER OF RECORD SHALL BE RESPONSIBLE FOR THE INTEGRITY OF ALL SUPPORTING SURFACES TO THIS DESIGN WHICH SHALL BE COORDINATED BY THE PERMITTING CONTRACTOR.
- THIS DOCUMENT IS GENERIC AND DOES NOT PERTAIN TO ANY SPECIFIC PROJECT SITE, INFORMATION CONTAINED HEREIN IS BASED ON CONTRACTOR-SUPPLIED DATA AND MEASUREMENTS. ENGINEERING EXPRESS SHALL NOT BE HELD RESPONSIBLE OR LIABLE IN ANY WAY FOR ERRONEOUS OR INACCURATE DATA OR MEASUREMENTS. DIMENSIONS ARE SHOWN TO ILLUSTRATE DESIGN FORCES AND OTHER DESIGN CRITERIA. THEY MAY VARY SLIGHTLY, BUT MUST REMAIN WITHIN THE LIMITATIONS SPECIFIED HEREIN, WORK SHALL BE FIELD VERIFIED BY OTHERS PRIOR TO CONSTRUCTION, ENGINEERING EXPRESS SHALL BE NOTIFIED AND GIVEN AN OPPORTUNITY TO REEVALUATE OUR WORK UPON DISCOVERY OF ANY INACCURATE INFORMATION PRIOR TO MODIFICATION OF EXISTING FIELD CONDITIONS AND FABRICATION AND INSTALLATION OF MATERIALS, ALTERATIONS OR ADDITIONS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE OUR CERTIFICATION.
- EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.

VALID ONLY FOR ZIP CODE: 00000 VALID ONLY FOR: MANUFACTURER'S COPY ONLY NOT VALID FOR PERMIT USE OR CONSTRUCTION **PURPOSES**

FRANK BENNARDO PE0046549 CA-9885

ORIGINAL SIGNED & SEALED PLANS REQUIRED FOR PERMIT. PHOTOCOPIES NOT TO BE USED FOR PERMIT OR CONSTRUCTION.

EXPLESS. POSTAL ADDRESS: 4 NORTH FEDERAL HWY #766 BOCA RATON, FL 33431 NGINEERINGEXPRESS.COM

2234

INDUSTRIES 210 FIFTH STREET
CHARLEROI, PA 15022
1-800-245-3188
STAL AND INLAND HURRICA
HVAC UNIT BRACKET
HVAC JUST BRACKET
0 & 2023, IBC/IRC 2012/1

23-67540 SCALE: NTS UNLESS NOTE



TERMINOLOGY:

THE FOLLOWING ABBREVIATIONS MAY APPEAR IN THIS APPROVAL:

"ADDTL" FOR "ADDITIONAL", "AHJ" FOR "AUTHORITY HAVING JURISDICTION", "ALUM" FOR "ALUMINUM, "ASD" FOR "ALLOWABLE STRESS DESIGN", "BO" FOR "BUILD-OUT", "CS" FOR "CARBON STEEL", "DIMS" FOR "DIMENSIONS", "EA." FOR "EACH", "E.D."/"EDGE"/"EDGE DIST." FOR "EDGE DISTANCE", "ELEV" FOR "ELEVATION", "EMBED" FOR "EMBEDMENT", "EQ"/"EQUIV." FOR "EQUIVALENT", "EXT" FOR "EXTERIOR", "FBC" FOR "FLORIDA BUILDING CODE", "ft" OR " ' " FOR "FEET", "G" FOR "SPECIFIC GRAVITY", "GA" FOR "GAUGE", "GALV" FOR "GALVANIZED", "GFB" FOR "GROUT-FILLED BLOCK", "GR" FOR "GRADE", "H" FOR "HEIGHT", "HOLLOW" FOR "HOLLOW BLOCK", "HORIZ" FOR "HORIZONTAL", "HVHZ" FOR "HIGH-VELOCITY HURRICANE ZONE", "in' OR " " " FOR "INCHES", "INT" FOR "INTERIOR", "KSI" FOR "1,000 lb / in2", "L" FOR "LENGTH", "LB" FOR "POUND", "MAX" FOR "MAXIMUM, "MIN" FOR "MINIMUM", "N.T.S." FOR "NOT TO SCALE", "O.C." FOR "ON-CENTER", "P.E." FOR "PROFESSIONAL ENGINEER", "PERP" FOR "PERPENDICULAR", "PSF" FOR "POUNDS PER SQUARE FOOT (Ib/ft2)" "PSI" FOR "POUNDS PER SQUARE INCH (Ib/in²)", "QTY" FOR "QUANTITY", "REF." FOR "REFERENCE", "SCHED." FOR "SCHEDULE", "SDS" FOR "SELF-DRILLING SCREWS", "SMS" FOR "SHEET METAL SCREWS", "SPECS" FOR "SPECIFICATIONS", "SS" FOR "STAINLESS STEEL", "SUB" FOR "SUBMITTAL", "TAS" FOR "TESTING APPLICATION STANDARD", "TYP." FOR "TYPICAL", "ULT" FOR "ULTIMATE LOADS", "U.N.O." FOR "UNLESS NOTED OTHERWISE", "UTS" OR "Fu" FOR "ULTIMATE TENSILE STRENGTH/STRESS", "VERT" FOR "VERTICAL", "W" FOR "WIDTH", "WLL" FOR "WORKING LOAD LIMIT", "W/" FOR "WITH", "W/O" FOR "WITHOUT", "YS" FOR "YIELD STRENGTH", "#" FOR "NUMBER", "&" FOR "AND", AND

VISIT ECALC. IO/GLOSSARY OR CONTACT ENGINEERING EXPRESS FOR ADDITIONAL ABBREVIATION/TERMINOLOGY CLARIFICATIONS.

PAGE INDEX	
DESCRIPTION	PAGE #
1	DESIGN & GENERAL NOTES
2	BRACKET SPECIFICATIONS

FOR ENGINEER CERTIFIED ORIGINALS OR SCANTHIS OR CODE

