LARGE WELDED ALUMINUM SWING GATE

(NON-STRUCTURAL, DECORATIVE BARRIER, TYPICAL INSTALLATION (FLAT TERRAIN GROUND LEVEL ONLY) NOT FOR POOL APPLICATIONS

GATE MAY BE FLAT TOP OR ARCHED. TOP RAIL DECOR MAY VARY.

POST MOUNT OPTION

DRAWING VALID ONLY WITH ORIGINAL SIGNATURE AND RAISED SEAL. VALID FOR (1) GATE AT (1) LOCATION PER SEALED DRAWING

GENERAL NOTES

- 1. THIS SYSTEM HAS BEEN DESIGNED AND SHALL BE FABRICATED IN SIXTH EDITION (2017), FLORIDA BUILDING CODE 7TH EDITION (2020). DESIGN BASED ON ASCE 7-10/16 USING V_{ult} = 115MPH / V_{asd} =90MPH (3 SEC GUST, UP TO 6'-0"), EXPOSURE 'C', RISK CATEGORY I, USING THE
- THIS FENCE DESIGN TO BE USED AT GROUND SURFACE ONLY, WITH USE LIMITED TO DECORATIVE BARRIER PURPOSES ONLY. NOT FOR POOL APPLICATIONS. THIS FENCE IS NOT INTENDED TO MEET CODES GOVERNING ELEVATED BALCONIES OR STRUCTURAL RAILINGS.
- 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 WITH THE ALUMINUM ASSOCIATION INC., & APPLICABLE FEDERAL, STATE, AND LOCAL
- ALL CONCRETE AND EPOXY TO REACH A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI IN 7 DAYS. CONCRETE SHALL CONTAIN MIN 0.1%
- SURROUNDING SOIL TO BE COMPACTED TO 90% OPTIMUM DENSITY, 2000 PSF MIN AND SHALL BE CLASSIFIED OR VERIFIED BY OTHERS PRIOR TO
- FILLER ALLOYS MEETING ANSI/AWS A5.10 STANDARDS TO ACHIEVE ULTIMATE DESIGN STRENGTH IN ACCORDANCE WITH THE ALUMINUM DESIGN MANUAL PART I-A, TABLE 7.3.1. ALL ALUMINUM CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE TOLERANCES, QUALITY AND METHODS OF CONSTRUCTION AS SET FORTH IN THE FBC & THE AMERICAN WELDING SOCIETY'S STRUCTURAL WELDING CODE-ALUMINUM (D1.2). MINIMUM WELD IS 1/8" THROAT FULL PERIMETER FILLET WELD UNLESS
- DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS.
- ANY HINGE AND LATCH SHALL BE STRUCTURAL QUALITY MOLDED POLYMERS OR ZINC COATED METALS AND SHALL BE INSTALLED PER
- 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.
- THIS DOCUMENT IS GENERIC AND DOES NOT PERTAIN TO ANY SPECIFIC PROJECT SITE. THIS OFFICE HAS NOT VISITED ANY JOBSITE TO PROVIDE EXPRESS SHALL NOT BE HELD RESPONSIBLE OR LIABLE IN ANY WAY FOR RRONEOUS OR INACCURATE DATA OR MEASUREMENTS. DIMENSIONS ARE SHOWN TO ILLUSTRATE DESIGN FORCES AND OTHER DESIGN CRITERIA. SPECIFIED HEREIN, WORK SHALL BE FIELD VERIFIED BY OTHERS PRIOR TO CONDITIONS AND FABRICATION AND INSTALLATION OF MATERIALS. ALTERATIONS OR ADDITIONS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE OUR CERTIFICATION.
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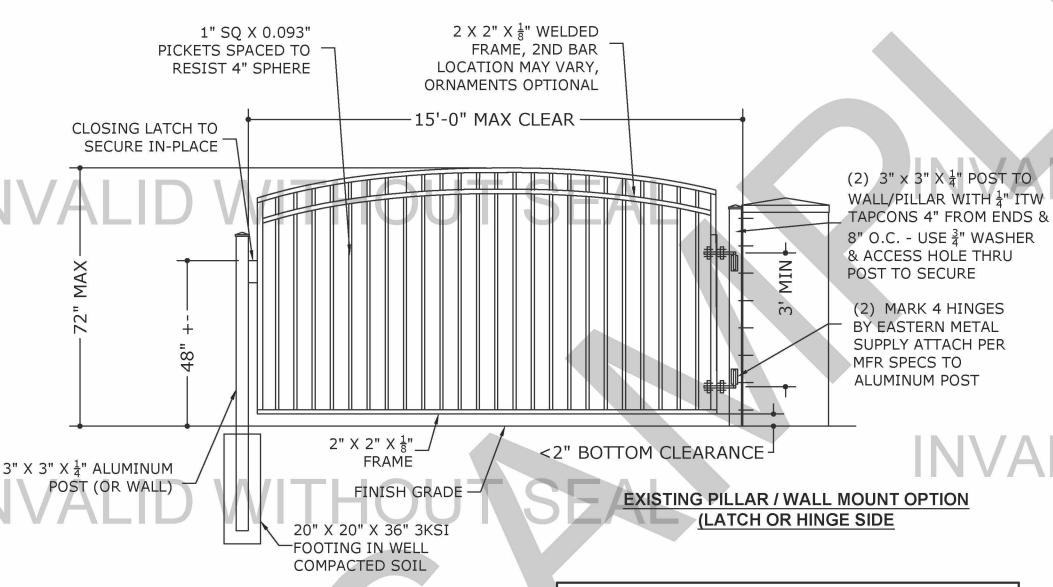
ACCORDANCE WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE

THE CONTRACTOR IS RESPONSIBLE TO INSULATE ALL MEMBERS FROM

MANUFACTURER'S RECOMMENDATIONS & ANY APPLICABLE CODES.

10. ELECTRICAL GROUND, WHEN REQUIRED, TO BE DESIGNED & INSTALLED BY

13. EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL



VISIT ECALC.IO/SAFEGUARDS

TO ORDER ENGINEER-CERTIFIED ORIGINALS FOR PERMIT HELPFUL EXPLANATIONS

& MORE FENCE-GATE-RAILING **RESOURCES**

OR SCAN THE CODE



ALUMINUM

ELDED

SIGNED, THIS SHEET IS PART OF

DIGITALLY SIGNED FILE. IT SHAL

BE VERIFIED BY ELECTRONIC

PRINTED DOCUMENT NOTICE: IF THIS DOCUMENT IS PRINTED

DOES NOTCONTAIN AN ENGINEER'S ORIGINAL SIGNATURE & SEAL, THI DOCUMENT IS VOID & NOT VALID

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SCALE: NTS UNLESS NOTED