

DRAWING VALID ONLY WITH ORIGINAL SIGNATURE AND RAISED SEAL, VALID FOR 500FT OF FENCING AT (1) LOCATION PER SEALED DRAWING

FOR NON-POOL APPI

GATES REQUIRING EGRESS SHALL HAVE NO AND BE FREE SWINGING FOR QUICK EGRESS BY PUSHING ON THE DOOR ONLY.

THE GATE SHALL HAVE A HINGE THAT SPRINGS CLOSED ONLY.

## NOTES

SYSTEM HAS BEEN DESIGNED AND SHALL BE FABRICATED IN CORDANCE WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 6TH EDITION (2017)

2. DESIGN BASED ON ASCE 7-10 USING V ut = 115MPH / Vasd=90MPH (3 SEC GUST, UP TO 6'-0" WITHIN HVHZ), EXPOSURE 'C' OR 'D' AS SHOWN, RISK CATEGORY I, USING THE 'OPEN SIGN METHOD' FOR PICKET DESIGN, 70% OPEN USED IN OPEN CALCULATIONS, AND SOLID SIGN METHOD FOR OTHER CONFIGURATIONS.

SEISMIC DESIGN DOES NOT GOVERN, SEISMIC PARAMETERS CHECKED: RISK CATEGORY II, IMPORTANCE FACTOR 1.0, Ss=0.05533, S1=0.02187, SITE CLASS D. Sds=0.059, SD1=0.035, SEISMIC DESIGN CATEGORY A, BASIC SEISMIC FORCE-RESISTING SYSTEMS ALL OTHER SELF-SUPPORTING STRUCTURES, DESIGN BASE SHEAR 25 LBS (WEIGHT OF TRIBUTARY MAX=500LB, UP TO 10FT ABOVE GRADE), Cs=0.047, R=1.25, NON-BUILDING EQUIVALENT LATERAL FORCE PROCEDURE ANALYSIS

THIS FENCE DESIGN TO BE USED AT FLAT TERRAIN GROUND SURFACE ONLY, WITH USE LIMITED TO DECORATIVE BARRIER PURPOSES ONLY. THIS FENCE IS NOT INTENDED TO MEET CODES GOVERNING ELEVATED BALCONIES OR STRUCTURAL RAILINGS

PVC INFORMATION: ALL PVC RESIN TO BE ASTM01784 EXTRUDED D638 FLEX STR. 9600PS 0790. ALL TO CONFORM TO ASTM F 964 FOR RIGID POLYVINYL PROFILES.

ONCRETE AND EPOXY TO REACH A MIN. COMPRESSIVE STRENGTH OF 3000 PSI IN 7 DAYS. CONCRETE FOOTERS SHALL CONTAIN MINIMUM 0.1% FIBERMESH CONTENT PER CUBIC YARD. THE CONTRACTOR IS RESPONSIBLE TO INSULATE ALL MEMBERS FROM

ISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS.

URROUNDING SOIL TO BE COMPACTED TO 95% OPTIMUM DENSITY, 2000 PSF MIN AND SHALL BE CLASSIFIED OR VERIFIED BY OTHERS PRIOR TO CONSTRUCTION PER FBC 1806.2 AND SHALL BE SANDY GRAVEL CLASS

11. PER FBC 454.2.17.1.8: POOL ACCESS GATES WHEN PROVIDED SHALL COMPLY WITH FBC 454,2 AND MUST BE AT LEAST 48" ABOVE GRADE & EQUIPPED WITH A SELF CLOSING, SELF LATCHING LOCKING DEVICE NOT LESS THAN 54" FROM BOT OF GATE, GATE MUST OPEN OUTWARD AWAY FROM POOL & MUST HAVE NO OPENING >1/2" WITHIN 18" OF RELEASE

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

13. 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.

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15. EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CEPTIFICATIONS OR ADELINATIONS. ARE INTENDED.

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## ABOUT THIS DOCUMENT

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THIS DOCUMENT IS ONLY VALID WITH ORIGINAL ENGINEER CERTIFICATION



02/28/2019

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