

ALIGNED, SPACED

(SEE ELEVATION FOR

INTERMEDIATE RAIL 'C'

PICKET 'B', 'C' OR 'F' STAGGERED

ALIGNED, SPACED

(SEE ELEVATION

FOR OPTIONS)

ROUTE FOR

INSERTED INTO

PICKETS &

AS SHOWN

CRIMP BOTH

SIDES ON

BOTH ENDS

POST - NOTCH DETAIL

(POST CAP & RAIL RECEPTICLES)

HOLES TO BE PUNCHED TO FIT RAIL AND CAL

COMPONENTS LISTED HEREIN.

USE STANDARD NOTCHING TOOL, NOTCHES MAY BE

POST

RAIL NOTCHES

TOP & BOTTOM OR SIDES, TYPICAL ALL.

OR GATE ATTACH 3/8" ROD LOCKLATCH OPTION ASSEMBLY TO GATE W/ (2) #12 NON-POOL LATCH (4) #12-SS SMS GATE (PER MFR) SELF-LOCKING POOL HINGE **TRUCLOSE** NON-POO BRAND OR EQ. LATCH WITH #12 SS SMS (PER MFR) DROP ROD ASSEMBLY

SEAL OF CERTIFYING ENGINEER, AND

IN ALL CASES, CERTIFYING ENGINEE AND CERT OF AUTH AS LISTED ON STA

FOR PERMIT

# GENERAL NOTES

DESIGN

1. THIS SYSTEM HAS BEEN DESIGNED AND SHALL BE FABRICATED IN ACCORDANCE WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 7TH (2020) EDITION ALSO APPLICABLE FOR THE INTERNATIONAL BUILDING CODE (2018 & 2021), AS ALSO APPLICABLE FOR THE INTERNATIONAL BOILDING CODE (2018 & 2021), AS WELL AS 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.

- DESIGN BASED ON ASCE 7-(10/16) USING Vult= 115MPH / Vasd=90MPH (3 SEC GUST, UP TO 6'-0" HEIGHT EXPOSURE 'C' OR 'D' AS SHOWN, RISK CATEGORY I.
- FOOTING SIZES BASED ON CODE MINIMUM STANDARD OF CARE REF. IN FBC 2328. SEE TABLE NOTES FOR MORE INFORMATION.
- PRODUCT APPROVED FOR USE IN SEISMIC DESIGN CATEGORY A-B PER REQUIREMENTS OF ASCE 7-16 AND CALIFORNIA BUILDING CODE 2019. FOR SEISMIC DESIGN CATEGORY C-F AND ANY CONCRETE CONNECTIONS, ADDITIONAL REVIEW BY THIRD-PARTY ENGINEERS IS REQUIRED FOR THE VALIDITY OF THE DESIGN. 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, STRUCTURAL RAILINGS, OR DROPOFFS GREATER THAN 30" ON

## FOR NON-POOL APPLICATIONS REQUIRING EGRES:

PER FLORIDA FIRE PREVENTION CODE& NFPA 1, 101, GATES REQUIRING EGRESS SHALL HAVE NO LATCHES AND BE FREE SWINGING FOR QUICK EGRESS BY PUSHING ON THE DOOR ONLY.

THE GATE SHALL HAVE A HINGE THAT SPRINGS CLOSED ONLY

- 6. PVC INFORMATION: ALL PVC RESIN TO BE ASTM01784 EXTRUDED D638 FLEX STR. 9600PSI D790. ALL TO CONFORM TO ASTM F 964 FOR RIGID POLYVINYL
- ALL CONCRETE 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 DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS.
- SURROUNDING SOIL TO BE COMPACTED TO 90% OPTIMUM DENSITY, 2000 PSF MIN AND SHALL BE CLASSIFIED OR VERIFIED BY OTHERS PRIOR CONSTRUCTION PER FBC 1806.2 AND SHALL BE SANDY GRAVEL CLASS ONLY.
- THIS PRODUCT MAY LIST BUT STAY INTACT IN SATURATED SOIL AT PEAK CONDITIONS & IS STILL CONSIDERED PROPERLY DESIGNED
- PER FBC 454.2.17.1.8: POOL ACCESS GATES WHEN PROVIDED SHALL 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 MECHANISM.
- 13. ELECTRICAL GROUND, WHEN REQUIRED, TO BE DESIGNED & INSTALLED BY

- 4. ENGINEER SEAL AFFIXED HERETO VALIDATES STRUCTURAL DESIGN AS SHOWN ONLY. USE OF THIS SPECIFICATION BY CONTRACTOR, et. al. INDEMNIFIES 8 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. 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







VISIT ECALC. IO/SAFEGUARDS

FOR CERTIFIED ORIGINALS FOR PERMIT VARIATIONS & HELPFUL INFORMATION VISIT ENGINEERINGEXPRESS.COM/STORE FOR MORE PLANS LIKE THIS



219

POSTAL ADDRESS: 31 W. ATLANTIC AVE R10 BOX 2 DELRAY BEACH, FL 33444 ENGINEERINGEXPRESS.COM

401

7H ED (2018 LDING CODE, 7TH LBUILDING CODE ( DESIGN PER AS FLORIDA BUILD INTERNATIONAL E ASD WIND I

YRIGHT ENGINEERING EXPRESS

20-35756

SCALE: NTS UNLESS NOTE