WELDED ALUMINUM RAILING

MASTER PLAN

HVHZ/NON-HVHZ FOR USE UP TO 60' TOP OF RAIL IN 175MPH EXPOSURE 'C' ADDITIONAL ENGINEERING REQUIRED THEREAFTER.

VALID AS A GENERIC SEALED MASTER PLAN ONLY FOR UP TO 250 FT OF RESIDENTIAL OR COMMERCIAL RAILING AT (1)

LOCATION. SITE SPECIFIC/ADDITIONAL **ENGINEERING REQUIRED** THEREAFTER.

COPIES NOT VALID FOR PERMIT

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POST SPACING TYP. SPACED TO RESIST **GAP TO** 4" SPHERE TYP. RESIST 4" **SPHERE** WALI FINISHED FLOOR SUBSTRAT MAX -1-1/2" MAX $\mathsf{FINISHED}\ \mathsf{FLOOR}\ { t I}$ CORE DRILLED, TYP. SEE DETAIL 1/2

L PICKET RAILING

ELEVATION VIEW

FOR ALTERNATE CORE DRILL

SCAN THIS QR CODE OR VISIT **ECALC.IO/COREDRILL** TO ORDER INEER-CERTIFIED, SIGNED AND SEALED CALCULATIONS FOR ALTERNATE CONDITIONS. SUBMIT WITH THIS DOCUMENT FOR PERMITTING



INVALID WITHOUT SEAL

WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 7TH EDITION (2020). ALSO APPLICABLE FOR THE FBC 6TH EDITION (2017), IBC/IRC (2015 & WELL AS CURRENT VERSIONS OF THE MN, NC, NJ, NY, OH, CODES AS APPLICABLE. CODE ENFORCED COMPLIES WITH STA MULTIPLE VERSIONS ARE LISTED THEN MOST STRINGENT AP UTILIZE ASD DESIGN METHOD USING ASCE 7-16 OR ASCE SPECIFIC APPLICATIONS AS APPLICABLE.

THIS RAILING IS DESIGNED TO MEET ELEVATED BALCONIES AND STRUCTURAL TOPCAP LOAD, 50LB POINT LOAD UPON 15

SHALL BE PERFORMED IN ACCORDANCE WITH THE BUILDING LER ALLOYS MEETING ANSI/AWS A5.10 STANDARDS TO SIGN STRENGTH IN ACCORDANCE WITH THE 2015

BY OTHERS AND SHALL MAXIMUM, OTHERWISE THEY SHALL BE SEPARATELY CERTIFIED TO TRANSFER ALL LOADING TO THE PROJECT SUPERSTRUCTURE. DIMENSIONS ARE POST-FLOOR

11. ALL SCREWS TO BE ANSI 300 SERIES STAINLESS STEEL WITH 50 KSI MINIMUM YIELD AND 90 KSI TENSILE STRENGTH.

5. POST EMBEDMENT INTO EXISTING CONCRETE SLAB SHALL BE PERFORMED WITH HOLE SIZE AS SHOWN ON THIS DRAWING. REINFORCED CONCRETE, PRESTRESSED OR POST TENSIONED SLABS SHALL BE CAREFULLY PERFORMED SO THAT THE EXISTING REBARS OR CABLES ARE NOT DAMAGED. PRESET HOLES ON CONCRETE ARE ALSO ALLOWED AS LONG AS ARE PERFORMED WITH SIZES AS REQUIRED ON THIS DRAWING

6. THE CONTRACTOR IS RESPONSIBLE TO INSULATE ALL MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS. ALUMINUM MEMBERS IN CONTACT WITH CONCRETE SHALL BE PROTECTED WITH ALKALI-RESISTANT COATING, SUCH AS HEAVY BODIED BITUMINOUS PAINT OR WATER-WHITE METHACRYLATE LACQUER.

7. CONTRACTOR IS RESPONSIBLE FOR MEETING OR EXCEEDING ALL APPLICABLE THESE GENERIC DRAWINGS TO ACTUAL CONDITIONS PARTICULAR TO A PROJECT.

GENERAL NOTES

1. COMPONENTS OF THIS RAILING SHALL BE DISTRIBUTED BY EASTERN METAL SUPPLY. PART NUMBERS USED IN CONSTRUCTION SHALL MATCH THOSE LISTED HEREIN OR CORRESPOND TO EASTERN PART EQUIVALENTS.

2. 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.

3. THIS DOCUMENT IS GENERIC AND DOES NOT PERTAIN TO ANY SPECIFIC PROJECT SITE. ENGINEERING EXPRESS SHALL NOT BE HELD RESPONSIBLE OR LIABLE IN ANY WAY FOR ERRONEOUS OR INACCURATE DATA OR MEASUREMENTS

4. 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.

5. ENGINEERING EXPRESS SHALL BE NOTIFIED AND GIVEN AN OPPORTUNITY TO

7. EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR

VISIT ECALC. IO/EASTERN

FOR CERTIFIED ORIGINALS FOR PERMIT, **VARIATIONS & HELPFUL INFORMATION** VISIT ENGINEERINGEXPRESS.COM/STORE



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21-37465 SCALE: NTS UNLESS NOTED





