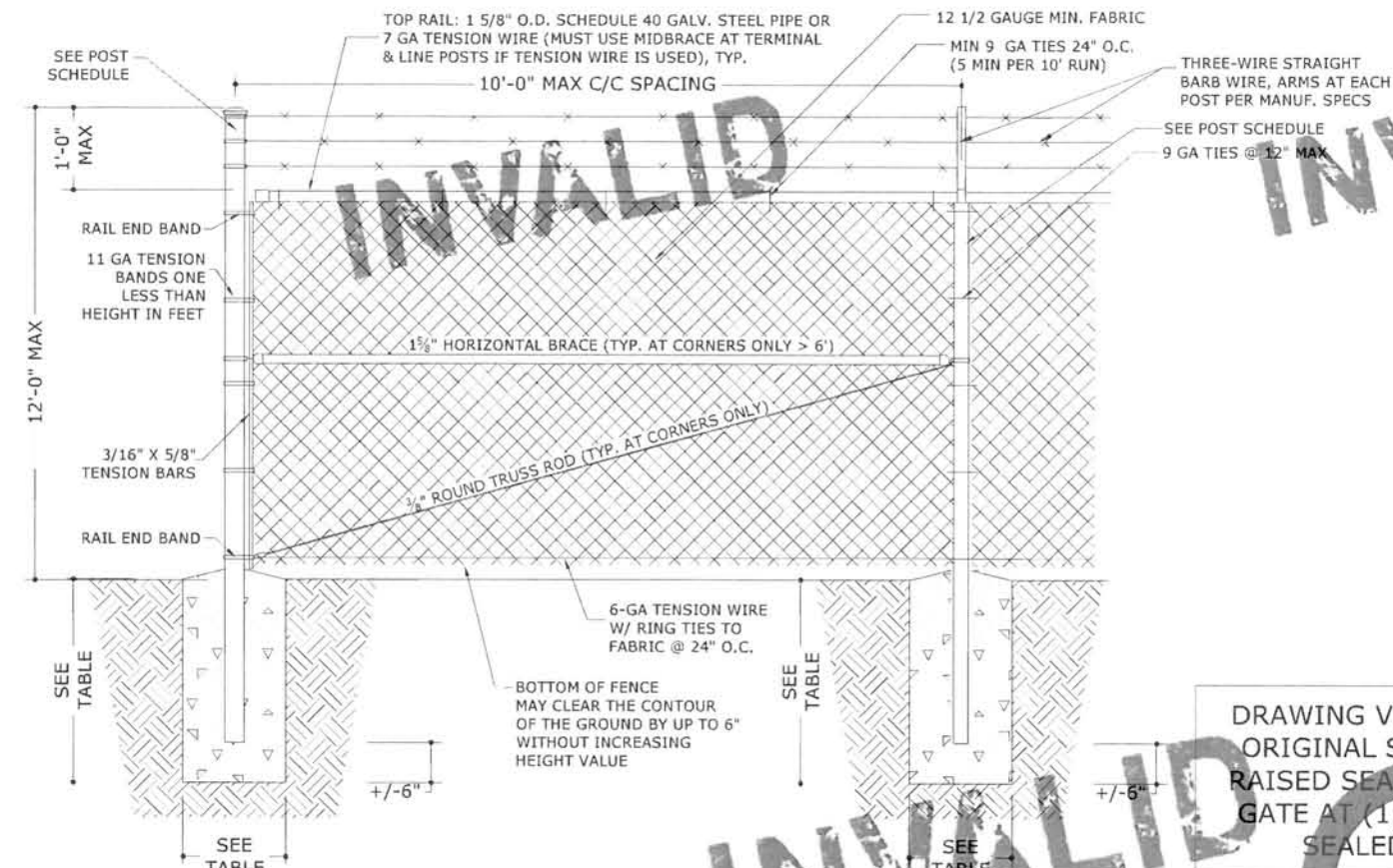


BARB WIRE CHAIN LINK FENCE & GATE MASTER PLAN SHEET

SPECIFICATIONS APPLY ONLY TO FENCES WITH UNRESTRICTED AIR FLOW
GREEN VINYL OR GALV OPTIONAL; FLAT TERRAIN GROUND SURFACE ONLY. NOT FOR POOL APPLICATIONS



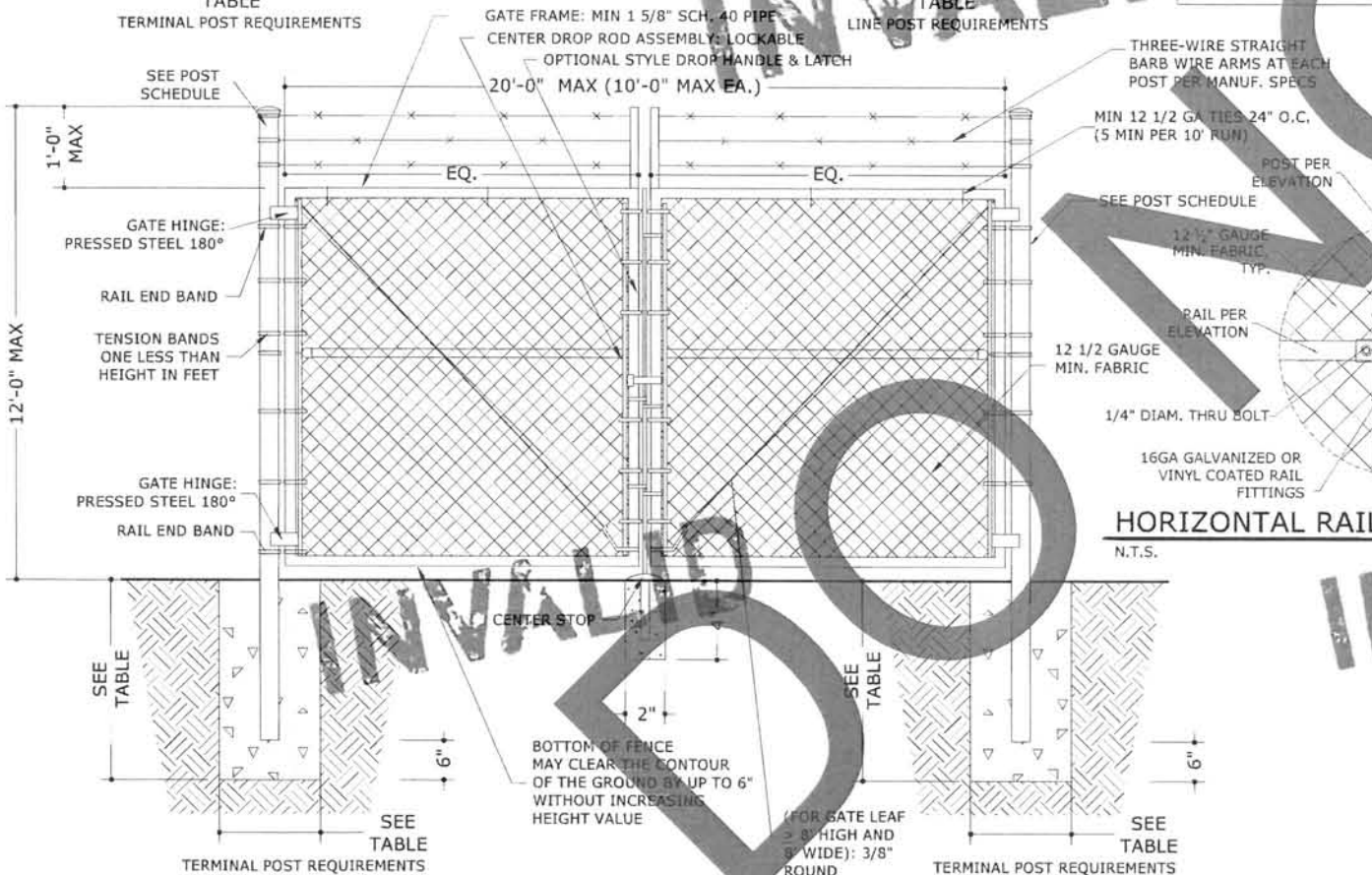
POST/FOOTING SIZE REQUIREMENTS

HVHZ OR NON HVHZ * (PER FBC TABLE 2224) (EXPOSURE C OR D)

FENCE HEIGHT (FT)	POST SPACING (FT)	TERMINAL POST DIMENSIONS (DIA. x THICKNESS, IN.)	TERMINAL POST FOOTER SIZE (DIA. x DEPTH, IN.)	LINE POST DIMENSIONS (DIA. x THICKNESS, IN.)	LINE POST FOOTER SIZE (DIA. x DEPTH, IN.)
UP TO 4	10	2-3/8 x 0.042	10 x 24	1-5/8 x 0.047	8 x 24
OVER 4 TO 5	10	2-3/8 x 0.042	10 x 24	1-7/8 x 0.055	8 x 24
OVER 5 TO 6	10	2-3/8 x 0.042	10 x 24	1-7/8 x 0.065	8 x 24
OVER 6 TO 8	10	2-3/8 x 0.110	10 x 36	2-3/8 x 0.035	10 x 36
OVER 8 TO 10	10	2-7/8 x 0.110	12 x 40	2-3/8 x 0.130	10 x 40
OVER 10 TO 12	10	2-7/8 x 0.160	12 x 42	2-7/8 x 0.120	12 x 42

FENCE & TABLE NOTES:
 * THE BUILDING CODE RECOGNIZES HVHZ AS THE MORE CRITICAL DESIGN JURISDICTION. VALUES ABOVE MAY ALSO BE USED IN NON-HVHZ AREAS UNLESS OTHERWISE REQUIRED BY THE AUTHORITY HAVING JURISDICTION.
 IN EITHER CASE, THE PRODUCT MAY LIST BUT STAY IN TACT IN SATURATED SOIL AT PEAK WINDS AND IS STILL CONSIDERED PROPERLY DESIGNED. VALID FOR FENCES WITH UNRESTRICTED AIRFLOW ONLY ON FLAT TERRAIN. ADDITIONAL ENGINEERING REQUIRED FOR OBSTRUCTED FENCES OR SLOPED TERRAIN.
 FABRIC: 12 1/2 GAUGE MINIMUM
 TENSION BANDS: USE ONE LESS THAN THE HEIGHT OF THE FENCE IN FEET, EVENLY SPACED.
 FABRIC TIES: MUST BE MINIMUM THE SAME GAUGE OF THE FABRIC.
 FABRIC TIE SPACING ON THE TOP RAIL: (5) TIES BETWEEN POSTS, EVENLY SPACED
 FABRIC TIE SPACING ON LINE POSTS: ONE LESS THAN THE HEIGHT OF THE FENCE IN FEET, EVENLY SPACED.
 EITHER TOP RAIL OR TOP TENSION WIRE SHALL BE USED.
 BRACES MUST BE USED AT TERMINAL POSTS IF TOP TENSION WIRE IS USED INSTEAD OF TOP RAIL.
 IN ORDER TO FOLLOW THE CONTOUR OF THE LAND, THE BOTTOM OF THE FENCE MAY CLEAR THE CONTOUR OF THE GROUND BY UP TO 5' WITHOUT INCREASING THE TABLE VALUES TO THE NEXT HIGHER LIMIT.

- ### GENERAL NOTES
- THIS SYSTEM HAS BEEN DESIGNED AND SHALL BE FABRICATED IN ACCORDANCE WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC) 6TH EDITION (2017).
 - DESIGN BASED ON THE REQUIREMENTS OF THE FBC & ASCE 7-10 USING $V_{ult} = 115\text{MPH}$ / $V_{asd} = 90\text{MPH}$ 3 SEC GUST, UP TO 6'-0" WITHIN HVHZ, $V_{ult} = 156\text{MPH}$ / $V_{asd} = 121\text{MPH}$ 3 SEC GUST, ABOVE 6'-0" & OUTSIDE HVHZ, EXPOSURE 'D' & 'C', RISK CATEGORY I, USING THE 'OPEN SIGN METHOD'. 70% OPEN USED IN CALCULATIONS.
 - SEISMIC DESIGN DOES NOT GOVERN. SEISMIC PARAMETERS CHECKED: RISK CATEGORY II, IMPORTANCE FACTOR 1.0, $S_s = 0.05533$, $S_1 = 0.02187$, SITE CLASS D, $S_{ds} = 0.059$, $S_{d1} = 0.035$, 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), $C_s = 0.047$, $R = 1.25$, NON-BUILDING EQUIVALENT LATERAL FORCE PROCEDURE ANALYSIS.
 - THIS FENCE DESIGN TO BE USED AT FLAT GROUND SURFACE ONLY, WITH USE LIMITED TO DECORATIVE BARRIER PURPOSES ONLY. THIS FENCE IS NOT INTENDED TO MEET CODES GOVERNING POOLS, 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 & APPLICABLE FEDERAL, STATE, & LOCAL CODES.
 - ALL STEEL MEMBERS SHALL CONFORM TO ASTM A500 GRADE B AND CURRENT EDITION OF AISC W/ MINIMUM $F_y = 42\text{KSI}$. CONSTRUCTION/INSTALLATION OF CHAIN LINK FENCING SHALL BE AS PER ASTM F567 AND F1043 IN CONJUNCTION WITH THIS DOCUMENT.
 - ALL CONCRETE AND EPOXY TO REACH A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI IN 7 DAYS. CONCRETE FOOTERS SHALL CONTAIN MINIMUM 0.1% FIBERMESH CONTENT PER CUBIC YARD. ALL EPOXY AND GROUT SHALL MEET OR EXCEED COMPRESSIVE STRENGTH OF THE CONCRETE AND SHALL BE IRON-FREE, NON-SHRINK AND NON-REACTIVE.
 - SURROUNDING 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 ONLY.
 - ALL WELDING MUST BE DONE BY AN AWS CERTIFIED WELDER OR SHALL CONFORM TO AISC STEEL CONSTRUCTION MANUAL 13TH ED AS INSPECTED AND VERIFIED BY OTHERS. MIN. WELD IS 3/8" FULL FILLET WELD.
 - THE CONTRACTOR IS RESPONSIBLE TO INSULATE ALL MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS.
 - 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 ERECTION, CONSTRUCTION PRACTICES BEYOND THAT WHICH IS CALLED FOR BY LOCAL, STATE, & FEDERAL CODES & FROM DEVIATIONS OF THIS PLAN.
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BARB WIRE CHAIN LINK FENCE INCLUDING GATE MASTER PLAN SHEET
 FLORIDA BUILDING CODE SIXTH EDITION (2017)

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