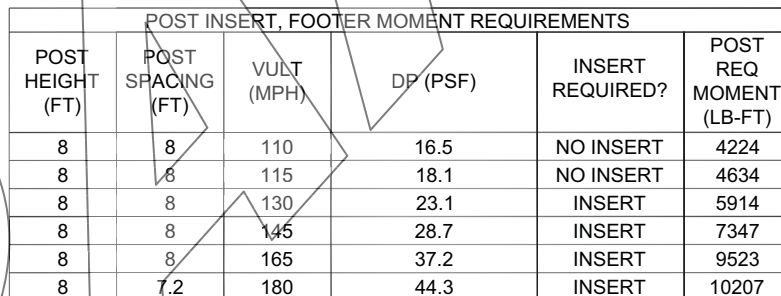
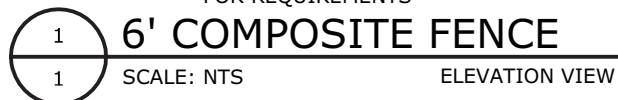


V:\Projects\16-3428 Trex Horizons Composite Fencing\WPI\2018 Updates\8ft Tall Fence\16-3428a - 8ft Trex Horizons MPS (STATES).dwg

* WHEN USED FOR
POOL APPLICATIONS



3 RAIL BRACKET SECTION DETAIL
1 SCALE: NTS

1. THIS SYSTEM HAS BEEN DESIGNED AND SHALL BE FABRICATED IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2012 & 2015 INTERNATIONAL BUILDING CODE & 2012 & 2015 INTERNATIONAL RESIDENTIAL CODE AS WELL AS CURRENT VERSIONS OF THE MN, NC, NJ, NY, OH, SC, VA BUILDING & RESIDENTIAL CODES AS APPLICABLE.
2. DESIGN BASED ON ASCE 7-10 USING $V_{ult} = 110-180$ MPH (3 SEC GUST), EXPOSURE 'C', RISK CATEGORY I, USING THE SOLID SIGN METHOD, 0% OPEN USED IN CALCULATIONS.
3. THIS FENCE DESIGN TO BE USED AT 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.
4. **COMPOSITE WOOD MATERIAL INFORMATION:** ALL COMPOSITE WOOD MATERIAL TO HAVE A FLEX STR. OF 4000PSI MIN.
5. 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.
6. THE CONTRACTOR IS RESPONSIBLE TO INSULATE ALL MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS.
7. SURROUNDING SOIL TO BE COMPACTED TO 98% OPTIMUM DENSITY, 2500 PSF MIN AND SHALL BE CLASSIFIED OR VERIFIED BY OTHERS PRIOR TO CONSTRUCTION AND SHALL BE SANDY GRAVEL CLASS ONLY.
8. POOL ACCESS GATES WHEN PROVIDED SHALL 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.
9. ELECTRICAL GROUND, WHEN REQUIRED, TO BE DESIGNED & INSTALLED BY OTHERS.
10. 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.
11. 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.
12. ANYTHING LESS THAN THE HEIGHT AND POST SPACING SHOWN HEREIN MAY BE AS PER MANUFACTURER PLANS FOR DIMENSIONAL CONFORMITY, PROVIDED COMPONENTS AND EXTRUSIONS ARE PER THIS DESIGN AND THERE ARE NO INCREASED TRIBUTARIES.
13. EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.

SCALE: NTS UNLESS NOTED

1 OF 1