

SPECIFICATIONS AND NOTES:

GENERAL:

1. This project has been designed in accordance with the California Building Code, 2007 Edition.
2. Color:
 - a. Post, Panels and Panel caps shall be integrally colored.
 - b. Color shall be brown as approved by the on-site owner.

CONCRETE:

1. Concrete Materials:
 - a. Concrete shall be normal weight concrete having sand and gravel or crushed stone aggregate. Mixed with ASTM-C150, type I or III portland cement to meet the minimum compressive strength as follows:
 1. panels & post: 4500 psi @ 28 days
 2. footings & piers: 3000 psi @ 28 days
 3. sidewalk & non-structural: 3000 psi @ 28 days
 - b. Water used for concrete shall be clean water and free from injurious amounts of oils, acids, alkalis, organic or other deleterious substances.
2. Concrete workmanship:
 - a. Fresh poured concrete shall be tamped in to place using steel rammer, slicing tools, or mechanical vibrator, until concrete is thoroughly compact and without void.
 - b. Excavation for footing shall be on undisturbed soil or to the depth noted on the drawings. Leave the bottom bearing surface clean and smooth. If footing excavations are made deeper than intended, only concrete shall be used for fill. Remove all loose material from excavations prior to concrete pour.

REINFORCEMENTS:

1. Reinforcing material:
 - a. Deformed type bars shall conform to ASTM-A 615, Grade 60 placed as shown on the drawings.
 - b. Steel reinforcing wire shall meet U.S. Steel Wire gauge, ASTM-A 82, fy = 70,000 psi min galvanized.
 - c. All ties and stirrups shall conform to the requirements of ASTM-A/ 615, grade 40.
 - d. All wire mesh shall be 9 gauge galvanized having 3 horizontal bars and 4 vertical on 16 inch centers.
2. Reinforcing workmanship:
 - a. Reinforcement steel shall be fabricated in accordance with the CRSI Standard Detail. Reinforcing bars shall be cold-bent only. Use of heat to bend reinforcement steel shall be cause for rejection.
 - b. Reinforcement steel bars and wire fabric shall be thoroughly cleaned before placing and again before the concrete is placed. Shall be accurately positioned and secured in place. No brick or porous materials may be used to support the steel off the ground.
 - c. Install all reinforcement with the following clearance between reinforcing steel and face of concrete:
 1. Footing, pier or beam bottom (3")
 2. Earth-formed pier or beam side (2")
 3. Formed footing, pier or beam sides, exposed (1")
 4. Precast exposed to weather: panels (3/4"), posts (1-1/4")
 - d. Splices within continuous unscheduled reinforcing steel shall have a minimum lap of 30 bar diameters.

SOILS

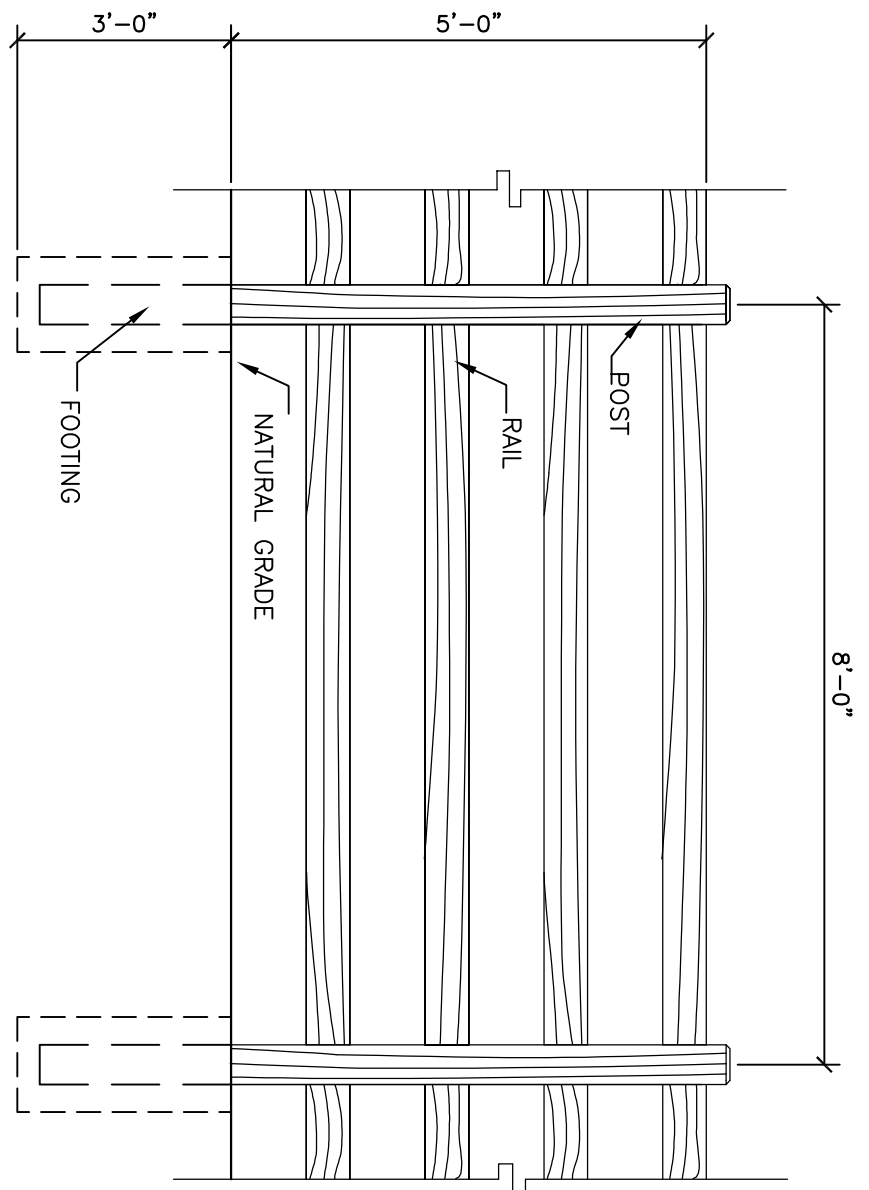
1. Footing size is based on the following minimum soil properties:
 - a. Soil Compaction ***** 90
 - b. Bearing Capacity ***** 1,500 psf
 - c. Friction Resistance ***** 260 psf
 - d. Lateral Bearing ***** 100 psf/ft of depth

FILL

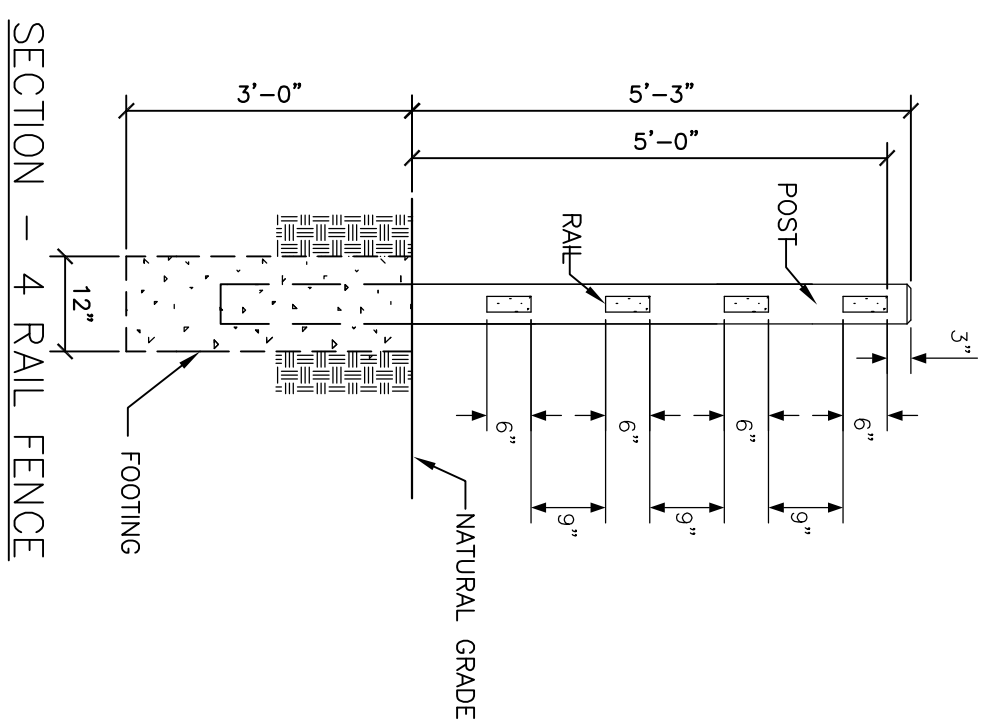
1. All design criteria based on construction on natural ground. Screenwall not to be constructed on berms or fill dirt.

NOTES:

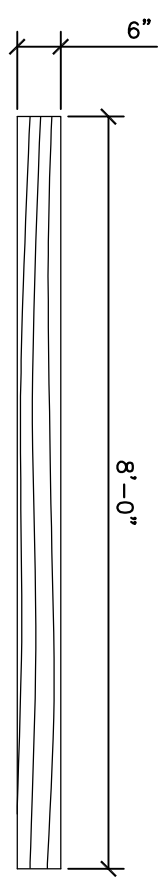
THE CONTRACTOR/OWNER IS RESPONSIBLE FOR HIRING A GEOTECHNICAL ENGINEER TO DETERMINE IF LOCAL SOIL CONDITIONS MEET OR EXCEED MINIMUM SOIL PROPERTIES SHOWN ON THIS PLAN. THIS FOUNDATION HAS BEEN DESIGNED BASED ON MINIMUM SOIL PROPERTIES SET FORTH BY THE 2007 CALIFORNIA BUILDING CODE.
 PIER INSTALLATION MAY ENCOUNTER AREAS OF GRANULAR, COLLAPSING SOILS THAT MAY CONTAIN PERCHED GROUNDWATER. PIERS MUST BE EXTENDED THROUGH SOFT AND ORGANIC DEPOSITS TO PROVIDE ADEQUATE LATERAL AND VERTICAL SUPPORT. TEMPORARY CASING MAY BE NECESSARY FOR THE DRILLED PIER INSTALLATION OPERATIONS TO MAINTAIN THE DRILLED SHAFT OPEN THROUGH THESE SOILS DURING CONSTRUCTION.
 IF THE CONTRACTOR FINDS ANY DISCREPANCIES BETWEEN THE SITE AND THESE PLANS, HE SHALL NOTIFY THE ENGINEER IMMEDIATELY.



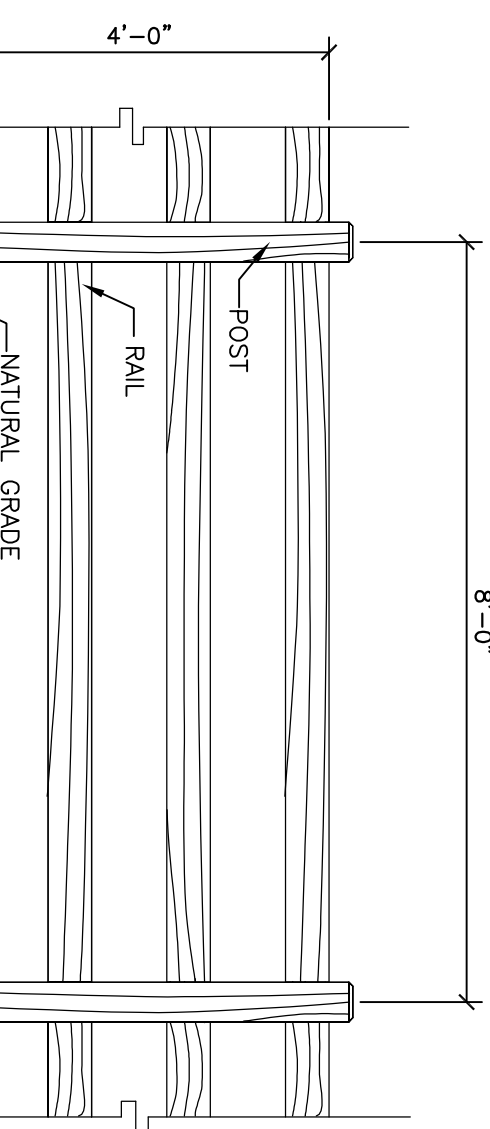
ELEVATION — 4 RAIL FENCE



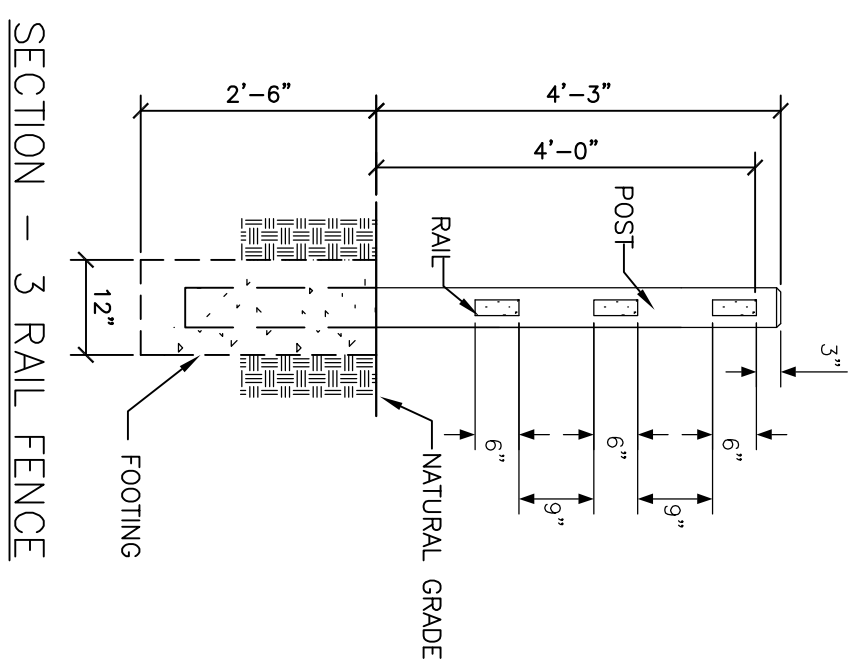
SECTION — 4 RAIL FENCE



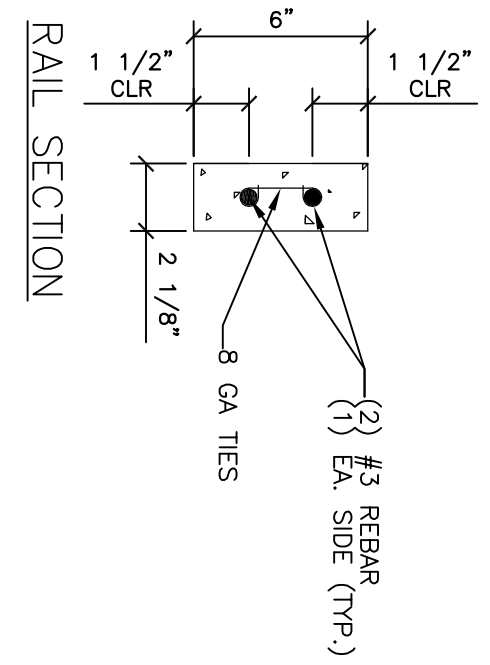
RAIL



ELEVATION — 3 RAIL FENCE

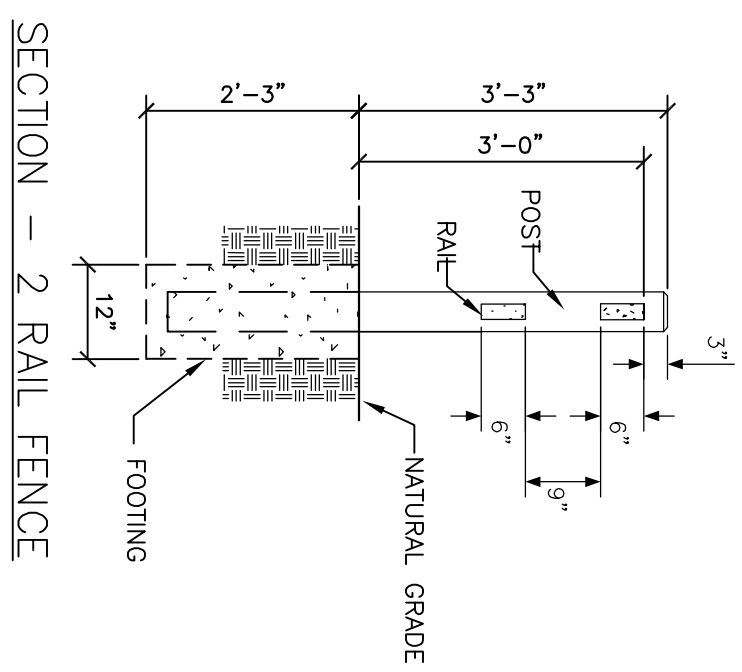


SECTION — 3 RAIL FENCE

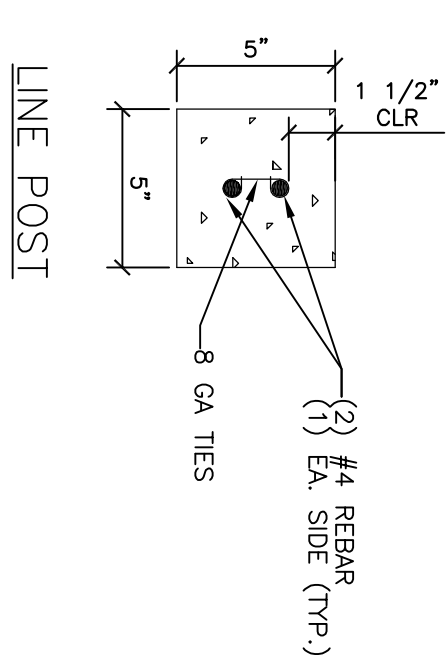


RAIL SECTION

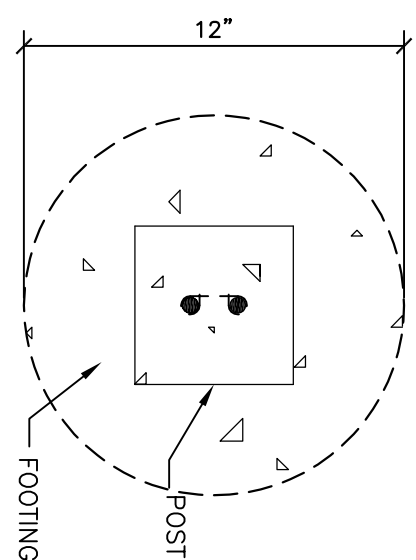
ELEVATION — 2 RAIL FENCE



SECTION — 2 RAIL FENCE



LINE POST



FOOTING

PRECAST CONC. RAILS

AMERICAN PRECAST CONCRETE, INC.
 2246 N. DURFEE AVE.
 EL MONTE, CA. 91372
 (626) 443-0970

REVISIONS	BY

Date	PROJECT CLIENT LOCATION
Scale	
Drawn	
Job	
Sheet	
Of	

Sheet **S1.0**
 Of Sheet