SPECIFICATIONS AND NOTES:

GENERAL:

1. This project has been designed in accordance with the California Building Code, 2007 Edition.

2. Applied loads:
   a. Wind Velocity (V) = 90 mph
   b. Exposure: C
   c. Importance Factor (I) = 1.0
   d. Velocity Pressure Exposure Coefficient (Kz) = 0.85
   e. Wind Directionality Factor (Kd) = 0.85
   f. Topographic Factor (Kzt) = 1.0
   g. Wind Pressure P = 0.00256(Kz)(Kzt)(Kd)(V^2)(I)
      P = 0.00256(0.85)(1.0)(0.85)(90)^2(1.0)
      P = 15.0 psf

   h. Working Design Stress: 33% Increase (1.33)
   i. Seismic Design: Site Class D

3. Screening wall is to be constructed entirely on the project property.

4. 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, alkalites, organic or other deleterious substances.
   c. All concrete permanently exposed to the weather shall contain an air-entraining admixture resulting in 3 to 6 percent entrained air or recommended by the manufacturer.

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.

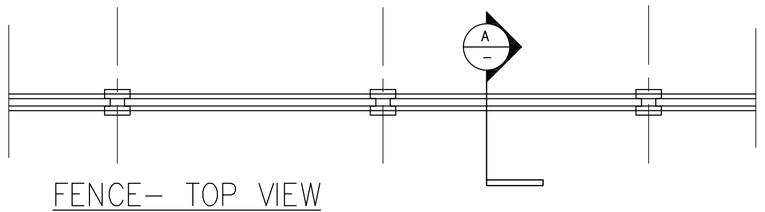
2. Reinforcing workmanship:
   a. Reinforcement steel shall be fabricated in accordance with the CRSI Standard Detail. Reinforcing bars shall be cold-bent only. Use of heat to bend reinforcement steel shall be cause for rejection.
   b. Reinforcement steel bars and wire fabric shall be thoroughly cleaned before placing and again before the concrete is placed. Shall be accurately positioned and secured in place. No brick of 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

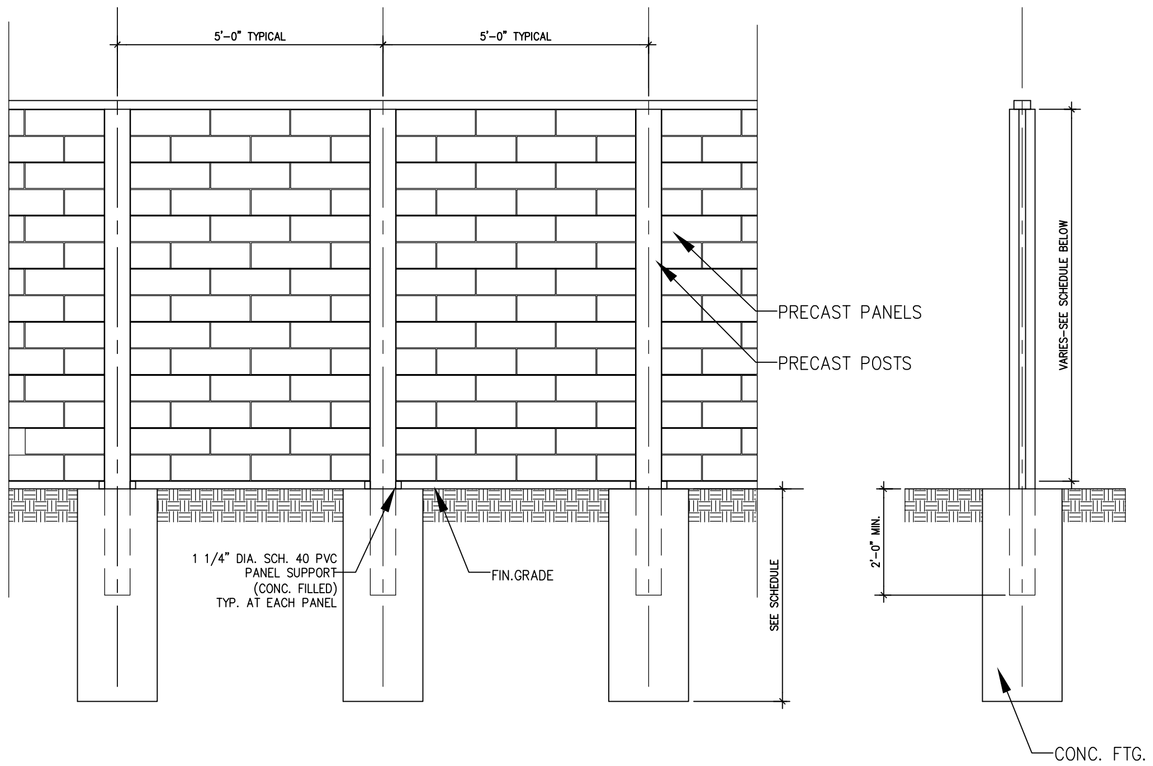
1. Footing size is based on the following minimum soil properties:
   a. Soil Compaction ******* 90
   b. Bearing Capacity ******* 1,500 psf
   c. Friction Resistance ****** 260 psf
   d. Lateral Bearing ******* 100 psf/ft of depth

FILL

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

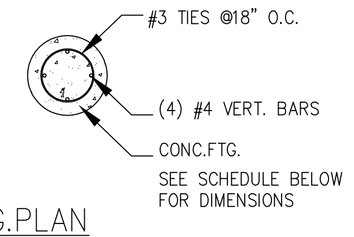


FENCE- TOP VIEW

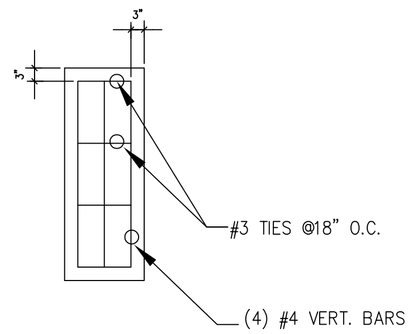


FENCE- FRONT ELEVATION

SECTION A



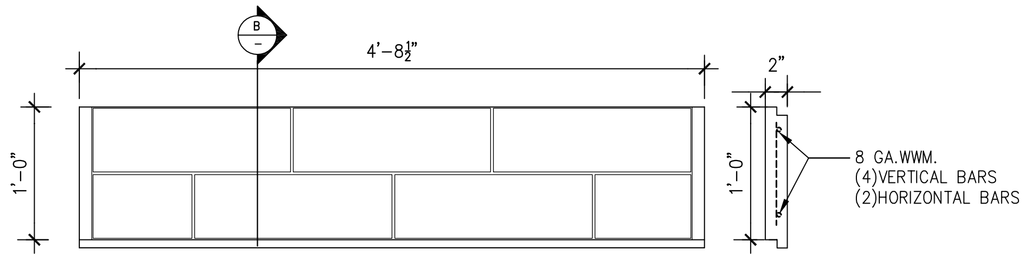
FTG.PLAN



FTG.REINFORC'G

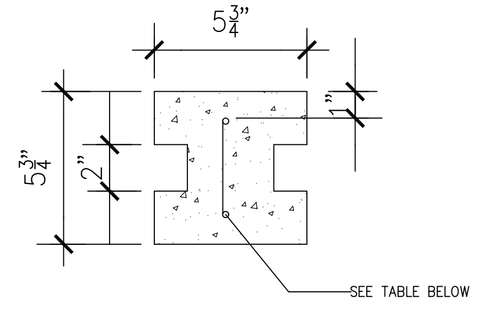
FOOTING SCHEDULE

SOIL TYPE	FOOTING SIZES		
	6'-0" HIGH	8'-0" HIGH	10'-0" HIGH
DENSE SOIL SANDY GRAVEL GRAVEL	18"DIA.X 3'-6" DP.	18"DIA.X 4'-0" DP. OR 24"DIA.X 3'-9" DP.	24"DIA.X 4'-0" DP.
MEDIUM DENSE SOIL	18"DIA.X 3'-9" DP.	18"DIA.X 4'-6" DP. OR 24"DIA.X 4'-0" DP.	24"DIA.X 4'-6" DP.
SANDY CLAY SILTY CLAY	18"DIA.X 4'-6" DP.	18"DIA.X 4'-9" DP. OR 24"DIA.X 4'-6" DP.	24"DIA.X 5'-4" DP.



TYPICAL PANEL ELEV.

SECTION B



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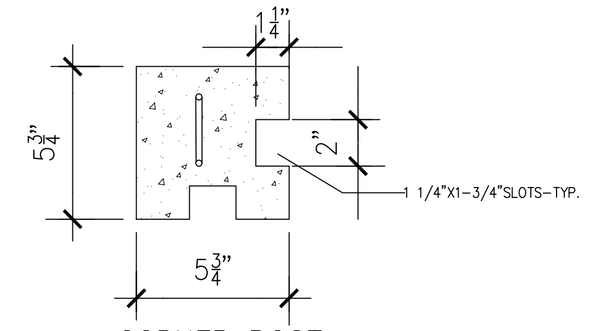
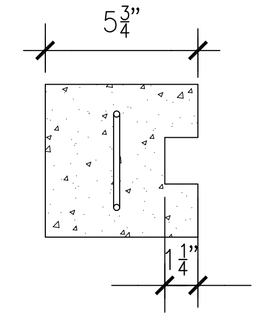


CORNER POST



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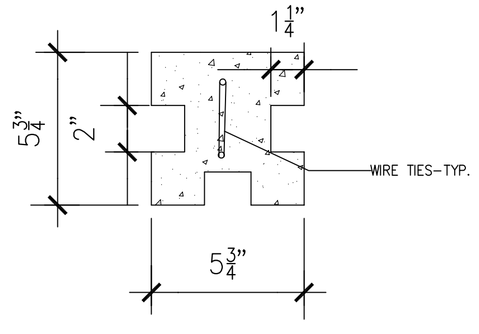

TEE POST

NOTE:
DIFFERENT SIZE OF VERTICAL BARS TO BE USED ACCORDING TO HEIGHT OF FENCE

6'-0" HIGH	8'-0" HIGH	10'-0" HIGH
2 #4 BARS	2 #5 BARS	2 #6 BARS

NOTES:

THE CONTRACTOR/OWNER IS RESPONSIBLE FOR HIRING A GEOTECHNICAL ENGINEER TO DETER IF LOCAL SOIL CONDITIONS MEET OR EXCEED MINIMUM SOIL PROPERTIES SHOWN ON THIS PL

THIS FOUNDATION HAS BEEN DESIGNED BASED ON MINIMUM SOIL PROPERTIES SET FORTH BY 2007 CALIFORNIA BUILDING CODE.

PIER INSTALLATION MAY ENCOUNTER AREAS OF GRANULAR, COLLAPSING SOILS THAT MAY CON PERCHED GROUNDWATER. PIERS MUST BE EXTENDED THROUGH SOFT AND ORGANIC DEPOSITS PROVIDE ADEQUATE LATERAL AND VERTICAL SUPPORT. TEMPORARY CASING MAY BE NECESSAR THE DRILLED PIER INSTALLATION OPERATIONS TO MAINTAIN THE DRILLED SHAFT OPEN THROUG THESE SOILS DURING CONSTRUCTION.

IF THE CONTRACTOR FINDS ANY DISCREPANCIES BETWEEN THE SITE AND THESE PLANS, HE S NOTIFY THE ENGINEER IMMEDIATELY.

APPROVAL OF THE ENGINEER/ARCHITECT IS REQUIRED WHEN THE WALL IS TO BE USED UNDFR A CONDITION WHERE THE SPECIFICATIONS ARE DIFFERENT.

THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AT JOB SITE WITH PLANS APPROVED BY THE CITY OFFICIALS.

REVISIONS	BY

AMERICAN PRECAST CONCRETE, INC.
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PRECAST CONC. FENCE
LARGE BRICK

PROJECT
CLIENT
LOCATION

Date
Scale
Drawn
Job
Sheet
S1.0
Of Sheet