

Schedule for 6' Tall fence

POST TYPE	POST * REINF.	PIER DIAM.	PIER DEPTH **	PIER REINF.
END/CORNER POST	(2) #3	18"	3'-0"	--
MID-WALL POST	(4) #3	18"	4'-0"	--

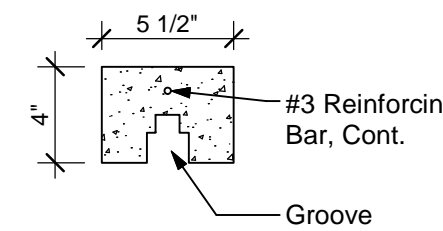
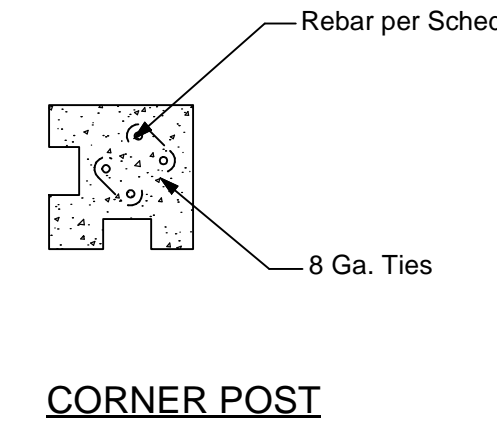
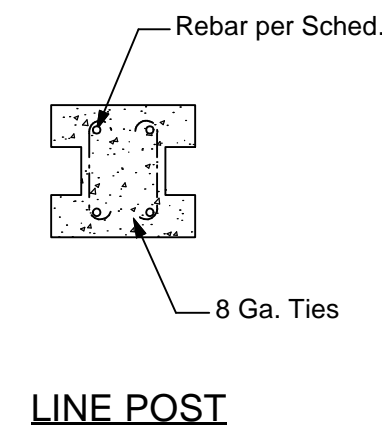
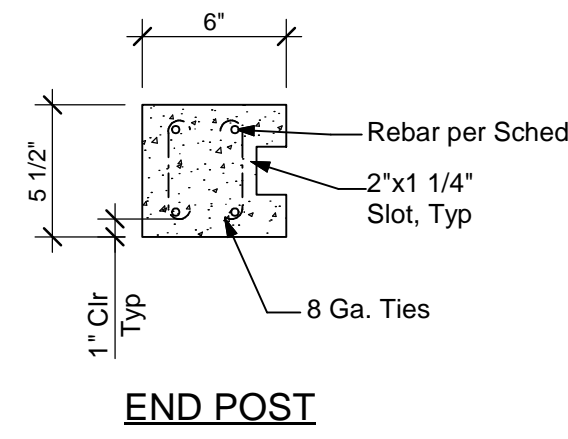
Schedule for 8' Tall fence

POST TYPE	POST * REINF.	PIER DIAM.	PIER DEPTH **	PIER REINF.
END/CORNER POST	(4) #3	24"	3'-3"	--
MID-WALL POST	(4) #4	24"	4'-3"	--

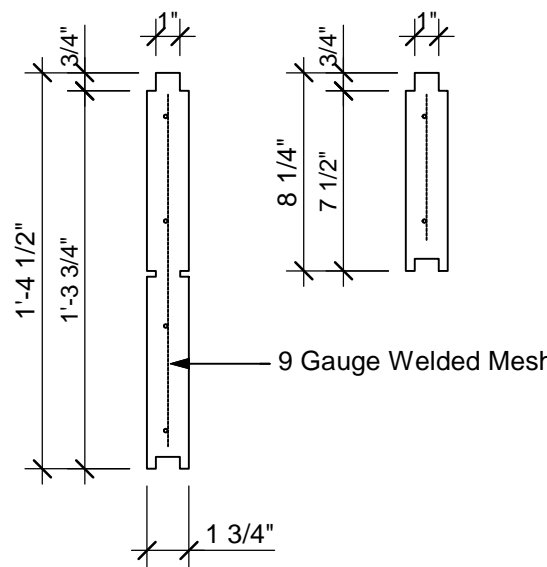
Schedule for 10' Tall fence

POST TYPE	POST * REINF.	PIER DIAM.	PIER DEPTH **	PIER REINF.
END/CORNER POST	(4) #4	24"	3'-9"	--
MID-WALL POST	(4) #5	24"	5'-0"	--

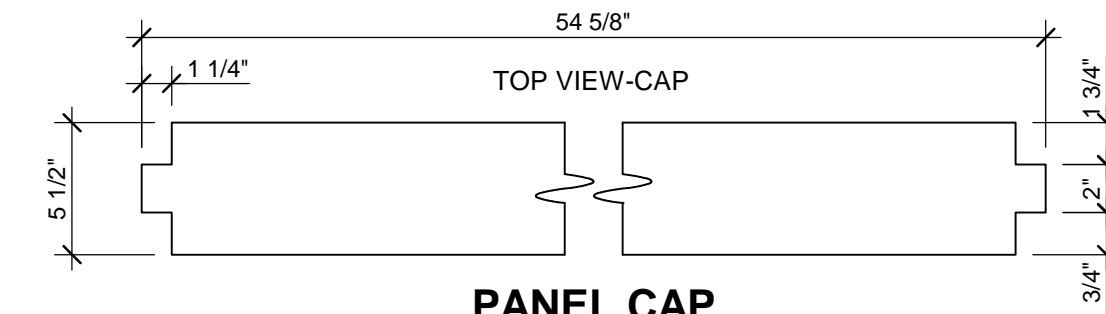
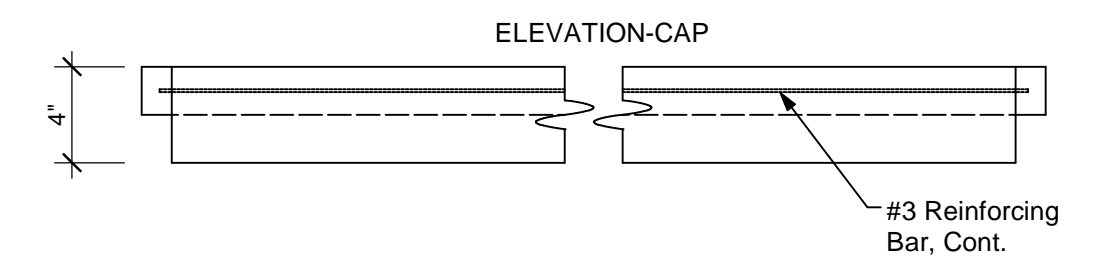
* Half of bars specified to be placed on each face of column.
 ** Based on Soils Report Minimum Requirements



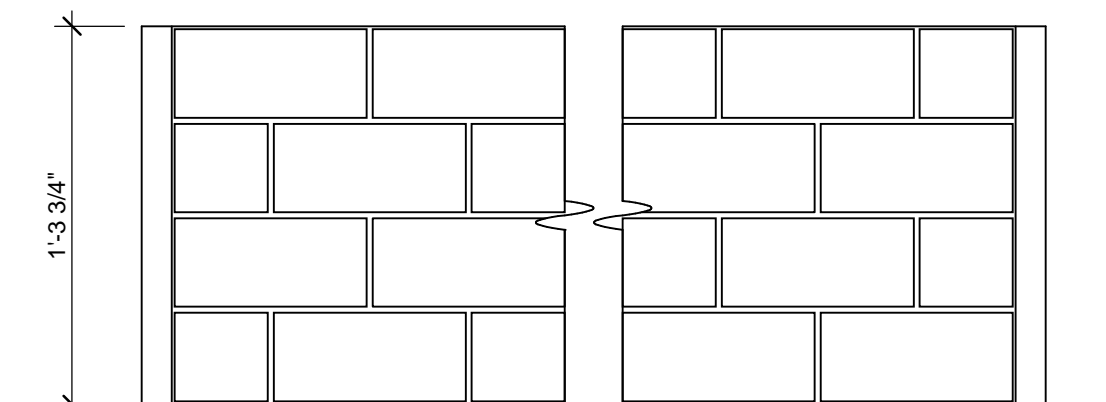
CAP - SECTION



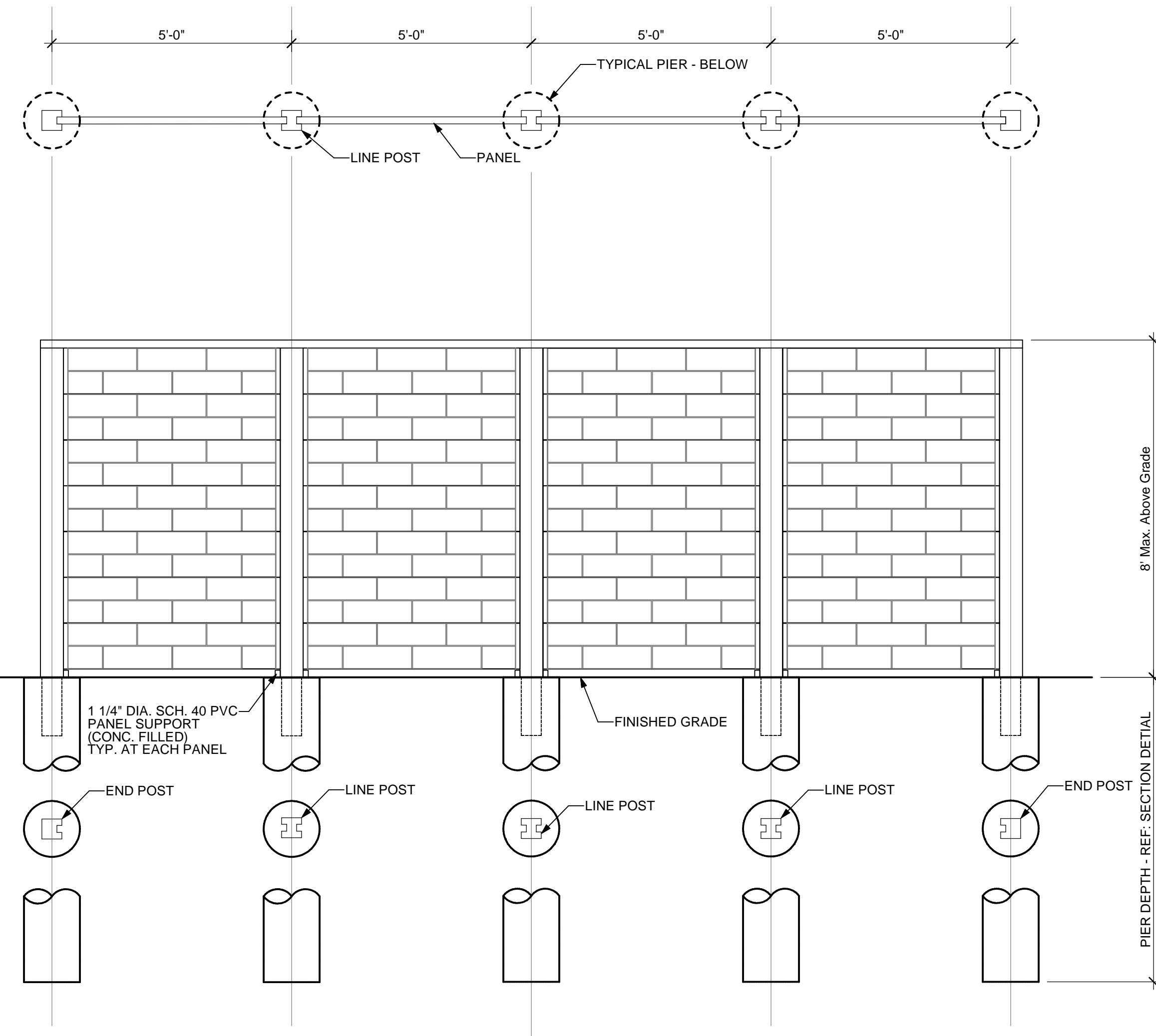
PANEL - SECTION



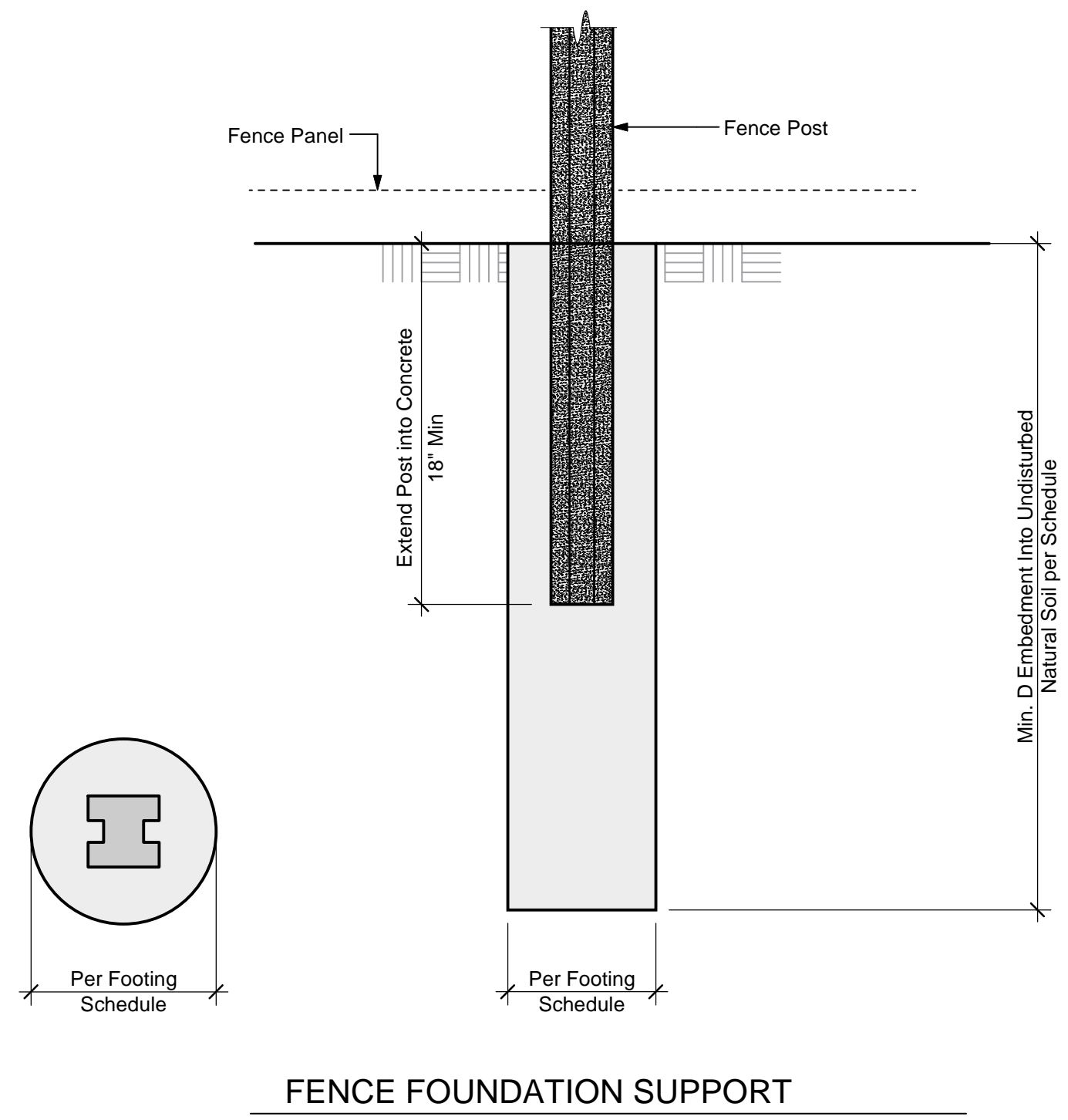
PANEL CAP



STANDARD PANEL



ELEVATION - SCREENING WALL AND PIERS



FENCE FOUNDATION SUPPORT

SPECIFICATIONS AND NOTES

GENERAL:

- This project has been designed in accordance with the California Building Code, 2016 Edition.
- Applied loads:
 - Wind Velocity (V) = 110 mph
 - Exposure: C
 - Importance Factor (I) = 1.0
 - Velocity Pressure Exposure Coefficient (Kz) = 0.85
 - Wind Directionality Factor (Kd) = 0.85
 - Topographic Factor (Kzt) = 1.0
 - Wind Pressure $P = 0.00256(Kz)(Kzt)(Kd)(V^2)(I)$
 $P = 0.00256(0.85)(1.0)(0.85)(110)^2(1.0)$
 $P = 15.01 \text{ psf}$
 - Working Design Stress: 33 % Increase (1.33)
 - Seismic Design: Site Class D
 - Design Spectral Response Acceleration Parameter, $S_{DS} = 2.00$
- Screening wall is to be constructed entirely on the project property.
- Color:
 - Post, Panels and Panel caps shall be integrally colored.
 - Color shall be brown as approved by the on-site owner.

CONCRETE:

- Concrete Materials:
 - 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:
 - panels & post: 5000 psi @ 28 days
 - footings & piers: 3000 psi @ 28 days
 - sidewalk & non-structural: 3000 psi @ 28 days
 - Water used for concrete shall be clean water and free from injurious amounts of oils, acids, alkalis, organic or other deleterious substances.
- Concrete workmanship:
 - 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.
 - 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.

SOILS:

- Footing size is based on the following minimum soil properties:
 - Soil Compaction ***** 95
 - Bearing Capacity (Total Load + W/E) ***** 1500 psf
 - Friction Resistance ***** 0.35
 - Lateral Bearing ***** 150 psf/ft of depth

FILL:

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

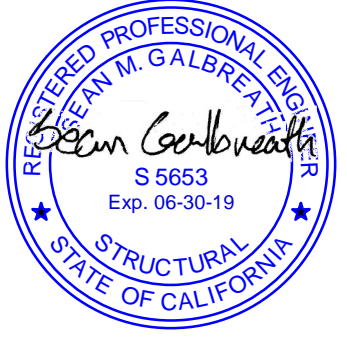
REINFORCEMENTS:

- Reinforcing material:
 - Deformed type bars shall conform to ASTM-A 615, Grade 60 placed as shown on the drawings.
 - Steel reinforcing wire shall meet U.S. Steel Wire gauge, ASTM-A 82, fy = 70,000 psi min galvanized.
 - All ties and stirrups shall conform to the of ASTM-A/ 615, grade 40.
 - All wire mesh shall be 9 gauge galvanized having 2 horizontal bars and 4 vertical on 12 inch centers, UNO
- Reinforcing workmanship:
 - 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.
 - 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.
 - Install all reinforcement with the following clearance between reinforcing steel and face of concrete:
 - Footing, pier or beam bottom (3")
 - Earth-formed pier or beam side (2")
 - Formed footing, pier or beam sides, exposed (1")
 - Precast exposed to weather: panels (3/4"), posts (1-1/4")
 - Splices within continuous unscheduled reinforcing steel shall have a minimum lap of 30 bar diameters.

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Engineer of Record:



BlockCrete

Revision:

Proj. Engr.: D. Todd Phone Ext.: 175
 Proj. Mngr.: S. Galbreath Phone Ext.: 159
 Date: 4 April 2019 Scale: N/A
 A&V Job No.: 17450 - 037

SHEET
1 OF 1

DO NOT SCALE THESE DRAWINGS. Refer to Architectural plans for all dimensions.