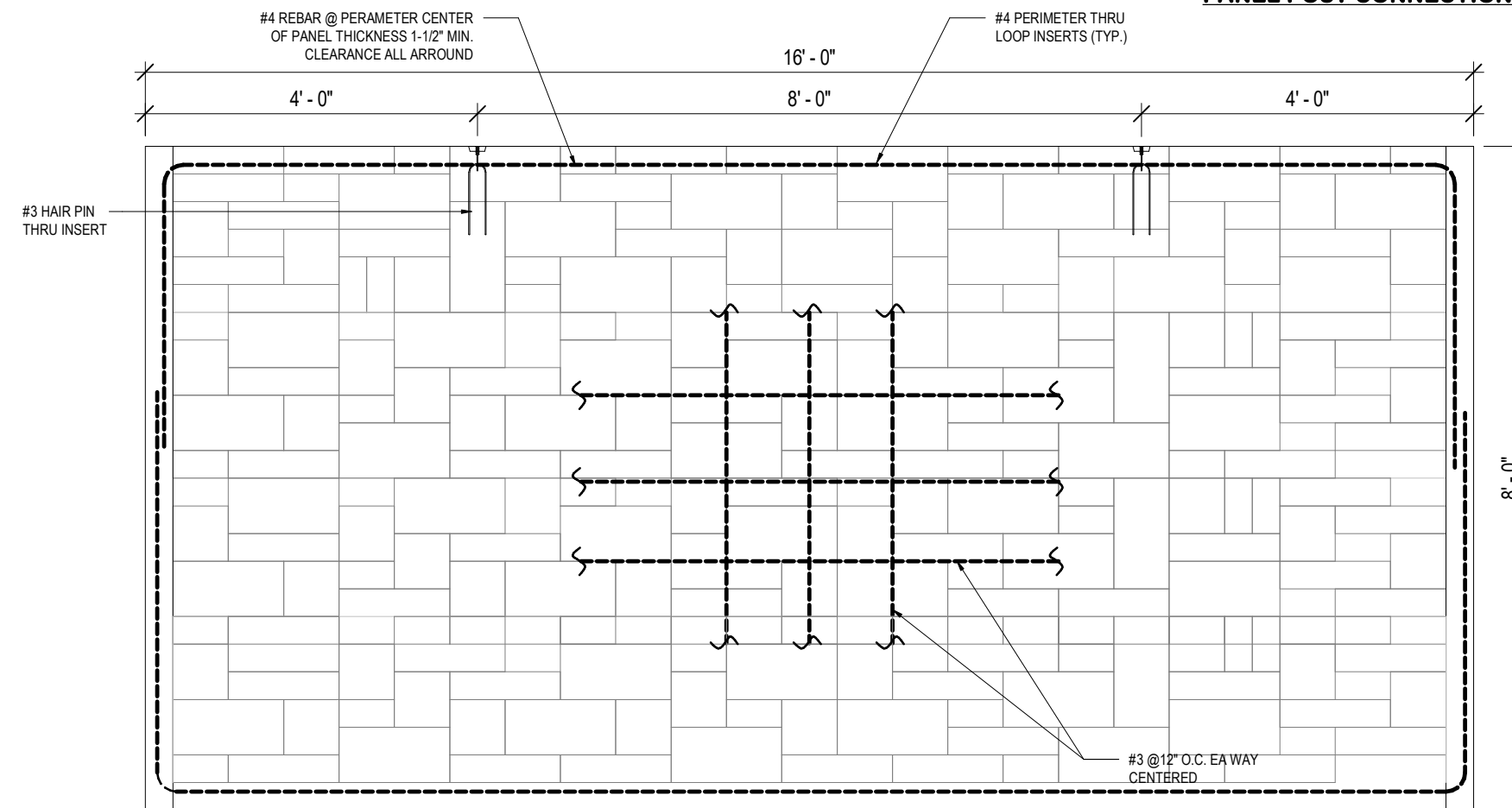
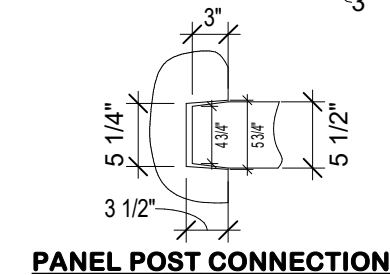
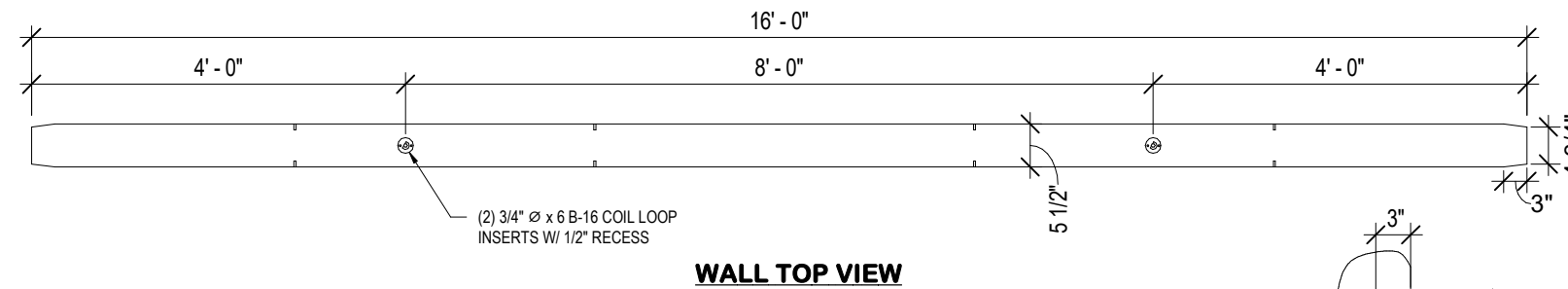
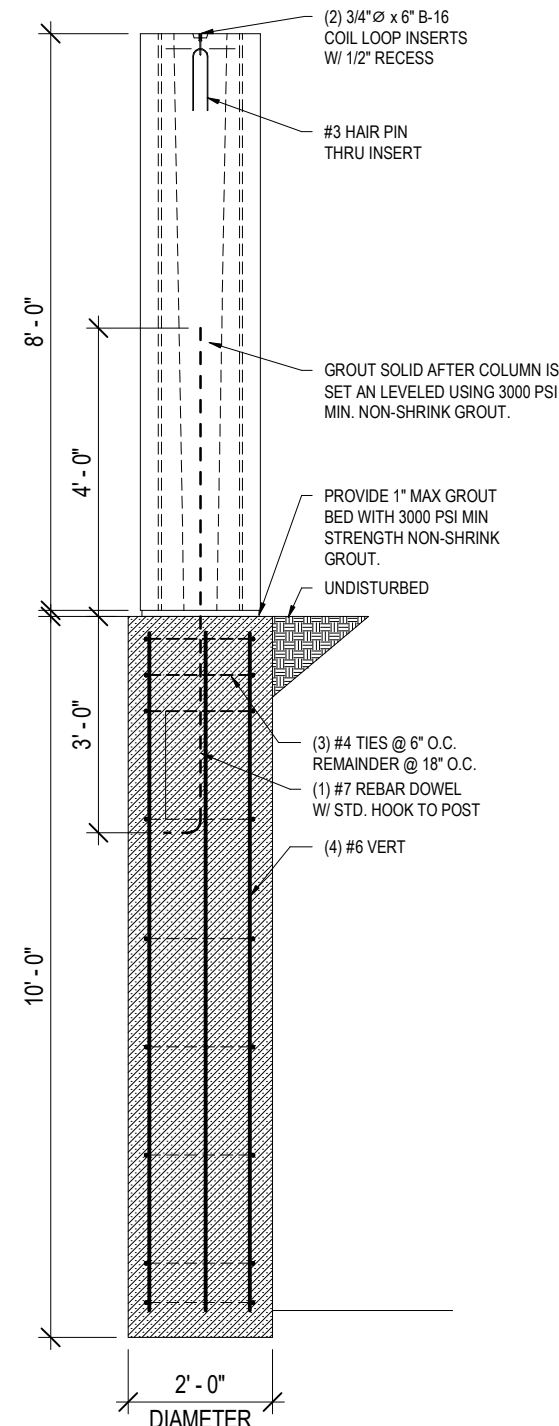
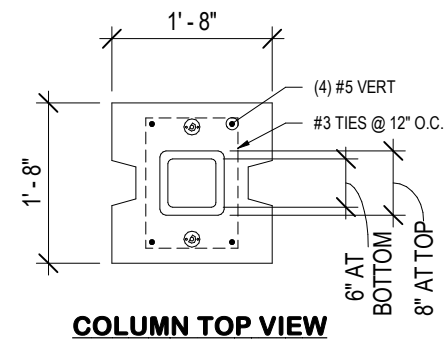


Permacrete

Ashlar - Panel, Pier & Post 16x8

2.2-16b



NOTES:

1. POST AND PANEL CONCRETE TO BE 5000 PSI.
2. FOOTING CONCRETE TO BE 3000 PSI.
3. MIN. SOIL LATERAL BEARING ALLOWABLE: 150 PSF/FT OF DEPTH BELOW GRADE.
4. MIN. ALLOWABLE SOIL BEARING PRESSURE: 2000 PSF.
5. DIMENSIONS MAY BE REDUCTED TO FIT PROJECT REQUIREMENTS.
6. GROUT BETWEEN POST AND FOOTING TO BE 2500 PSI.
7. THIS DESIGN IS FOR A 6' TALL WALL ONLY.

SPECIFICATIONS AND NOTES

A. GENERAL

1. THIS PROJECT HAS BEEN DESIGNED IN ACCORDANCE WITH THE IBC, 2024 EDITION.
2. APPLIED LOADS:
 - a. WIND VELOCITY (V) = 140 MPH; V_{asd} = 101 MPH
 - b. EXPOSURE: C
 - c. VELOCITY PRESSURE EXPOSURE COEFFICIENT (K_z) = 0.85
 - d. WIND DIRECTIONALITY FACTOR (K_d) = 0.85
 - e. TOPOGRAPHIC FACTOR (K_{zt}) = 1.0
 - f. RISK CATEGORY = I
3. WALL IS TO BE CONSTRUCTED ENTIRELY ON THE PROJECT PROPERTY.
4. 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.
5. 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.
6. IF THE CONTRACTOR FINDS ANY DISCREPANCIES BETWEEN THE SITE AND THESE PLANS, HE SHALL NOTIFY THE ENGINEER IMMEDIATELY.
7. UNLESS SPECIFICALLY NOTED OTHERWISE, NO SURCHARGES MAY BE PLACED BEHIND A RETAINING WALL WITHIN A HORIZONTAL DISTANCE THAT IS EQUAL TO THE RETAINED HEIGHT. PROHIBITED SURCHARGES INCLUDE STAGING OF CONSTRUCTION MATERIALS, VEHICLES, CONSTRUCTION, COMPACTION EQUIPMENT, AND VEGETATION.
8. UNLESS SPECIFICALLY NOTED OTHERWISE, THE WALL AND PIERS SHALL NOT BE INSTALLED ADJACENT TO HILLSIDES, BERMS, RETAINING WALLS, OR OTHER AREAS THAT MAY AFFECT THE LATERAL BEARING CAPACITY OF THE PIERS. CONTACT THE ENGINEER PRIOR TO INSTALLATION IF SUCH A CONDITION EXISTS.