

I. MATERIALS

A. CONCRETE

1. ALL CONCRETE SHALL BE REINFORCED UON.
2. ALL CONCRETE SHALL BE THOROUGHLY CONSOLIDATED.
3. ALL CONCRETE SHALL BE MIXED AND PLACED IN ACCORDANCE WITH ACI 318. USE MIXES WITH MAXIMUM AGGREGATE SIZE APPROPRIATE FOR FORM AND REBAR CLEARANCES TO BE ENCOUNTERED (SEE ACI).
4. CONCRETE STRENGTH AND WEIGHT:

LOCATION	MIN 28-DAY STRENGTH (PSI)	MAX WEIGHT (PSF)	AGGREGATE SIZE	SLUMP +/-1"
DRILLED PIERS	2500	145	1"	6"

5. PROJECTING CORNERS OF BEAMS, WALLS, COLUMNS, ETC. SHALL BE FORMED WITH A 3/4" CHAMFER, UON ON ARCHITECTURAL DRAWINGS.
6. PRIOR TO PLACING CONCRETE, THE CONTRACTOR SHALL ENSURE THAT ALL EMBEDMENTS, INCLUDING COLUMN ANCHOR BOLTS, SILL BOLTS, HOLDOWN ANCHOR BOLTS, ETC. ARE PROPERLY LOCATED AND SECURELY TIED IN PLACE.

B. REINFORCING STEEL


1. BARS: ASTM A615, GRADE 60; #4 AND SMALLER, GRADE 40; WELDED REINFORCING SHALL BE A706
2. MINIMUM CONCRETE COVER FOR REINFORCING STEEL:
 - a. SURFACES POURED AGAINST GROUND 3"
 - b. FORMED SURFACES BELOW GRADE 2"
 - c. SURFACES EXPOSED TO WEATHER 2"
3. ALL REINFORCING STEEL AND EMBEDMENTS TO BE HELD SECURELY IN PLACE PRIOR TO PLACING CONCRETE. PROVIDE SUFFICIENT SUPPORTS TO ALLOW WALKING ON REINFORCEMENT.
4. PROVIDE CONTINUOUS REINFORCEMENT WHERE POSSIBLE. PLACE ONLY AS SHOWN OR APPROVED. STAGGER SPLICES WHERE POSSIBLE.
5. DETAIL ACCORDING TO ACI-315, MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES.

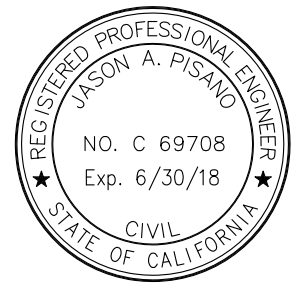
C. STEEL

1. SHAPES AND PLATES: ASTM A36, UON; WIDE FLANGES: ASTM A992, GRADE 50; TUBES (SQUARE OR RECTANGULAR HSS): ASTM A500, GRADE B
2. BOLTS: ASTM A307, UON
3. ANCHOR RODS: ASTM F1554, FY = 36 KSI, UON
4. WELDING ELECTRODES: E70.
5. ALL STRUCTURAL STEEL TO BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH AISC SPECIFICATIONS.
6. ALL WELDING TO CONFORM TO AWS AND TO BE PERFORMED BY CERTIFIED WELDERS.

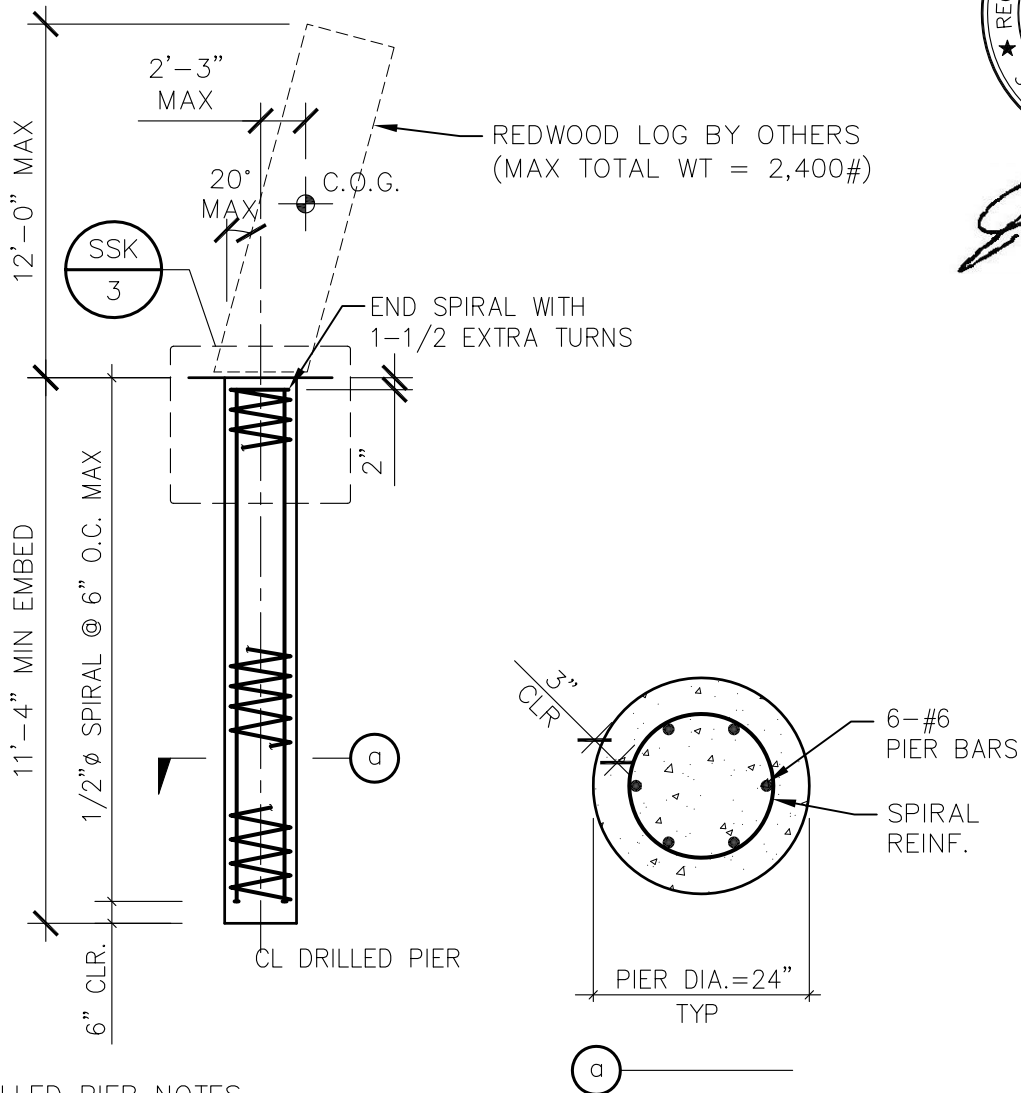
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MATERIAL SPECIFICATIONS

<p>HOM · PISANO ENGINEERING, INC.</p>  <p>1406 32nd Ave San Francisco, CA 94122 415.682.4798 hompisano.com</p>	<p>PROJECT SOLAR TOTEMS</p> <p>GLEN CANYON PARK RECREATION CENTER SAN FRANCISCO, CA</p>	<p>PROJECT No. 15-031</p> <p>DATE 10/3/16</p> <p>REFERENCE N/A</p>	<p>SHEET</p> <p>SSK-1</p>
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Jason A. Pisano



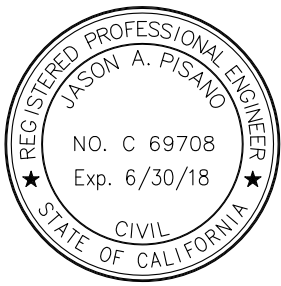
DRILLED PIER NOTES

1. SEE GENERAL NOTES.
2. ALL PIERS SHALL BE DRILLED, CAST IN PLACE CONCRETE PIERS.
3. CONCRETE FOR DRILLED PIERS SHALL ATTAIN A MINIMUM ULTIMATE STRENGTH OF 2500 PSI AT 28 DAYS.
4. DEPTH OF DRILLED PIERS HAS BEEN ESTABLISHED BASED UPON AN ALLOWABLE LATERAL BEARING PRESSURE OF 100 PSF/FT.
5. SPLICES FOR SPIRAL REINFORCEMENT SHALL BE LAPPED ONE TURN.

2

DRILLED PIER

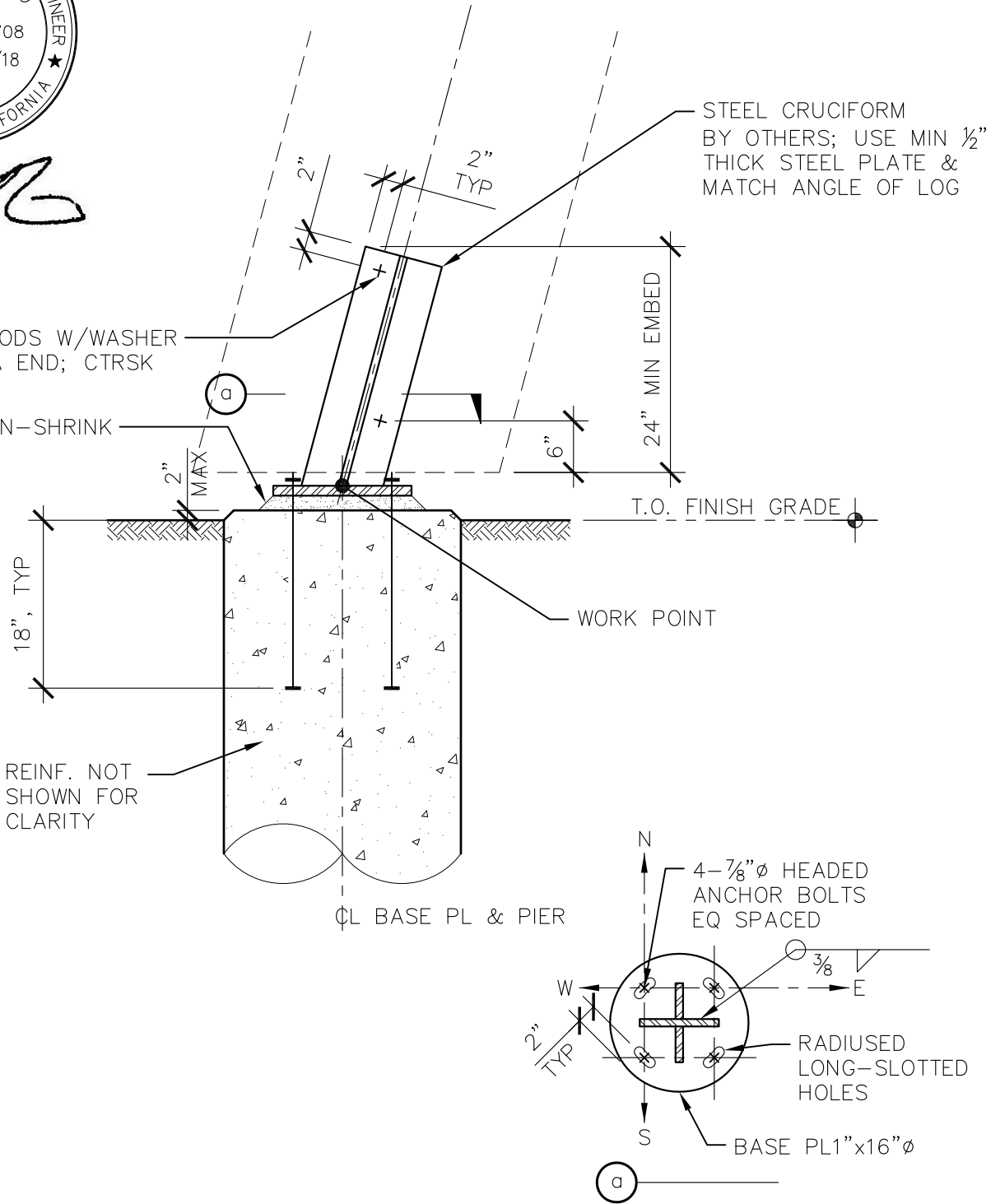
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Jason A. Pisano

2- $\frac{3}{4}$ " ϕ THR'D RODS W/WASHER
& LOCK NUT EA END; CTRSK
1" MAX EA END

$\frac{1}{2}$ " NON-SHRINK
GROUT



3 CRUCIFORM BASE PLATE

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