NOTES: UNLESS OTHERWISE SPECIFIED

1. THE CONCRETE SHALL CONSIST OF 5.5 SACKS OF CEMENT PER CUBIC YARD, 1" AGGREGATE MAXIMUM, AND 6.0 GALLONS OF WATER PER 94 LB SACK OF TYPE 2 CEMENT,

   28 DAYS. THE SLUMP SHALL NOT MINUS .25 INCHES.

2. FABRICATIONS DETAILS SHALL CONFORM TO THE A.C.I. MANUALS OF STANDARD PRACTICE.

3. SPLICES IN REINFORCING STEEL SHALL BE LAPPED 55 DIAMETERS MINIMUM UNLESS OTHERWISE NOTED.

4. ALL REBAR, ANCHOR BOLTS, BEARING PLATES AND OTHER

   PRIOR TO POURING CONCRETE.

5. ALL CONCRETE SHALL HAVE STEEL TROWEL FINISH.

6. ANCHOR BOLTS TO BE ASTM A449 WITH TOP 8" GALV.

   ING STEEL SHALL HAVE A MINIMUM CONCRETE

8. ALL WORK SHALL CONFORM TO THE 2007 CALIFORNIA BUILDING CODE.

9. THE SOIL SHALL MEET OR EXCEED THE SOIL AS DESCRIBED

   & ASSOCIATES, REVISED SEPTEMBER 24, 2007.

10. NO WELDING OF REBAR IS ALLOWED WITH THE EXCEPTION OF TACKING THE REBAR CAGE. NO SPECIAL INSPECTION IS REQUIRED.

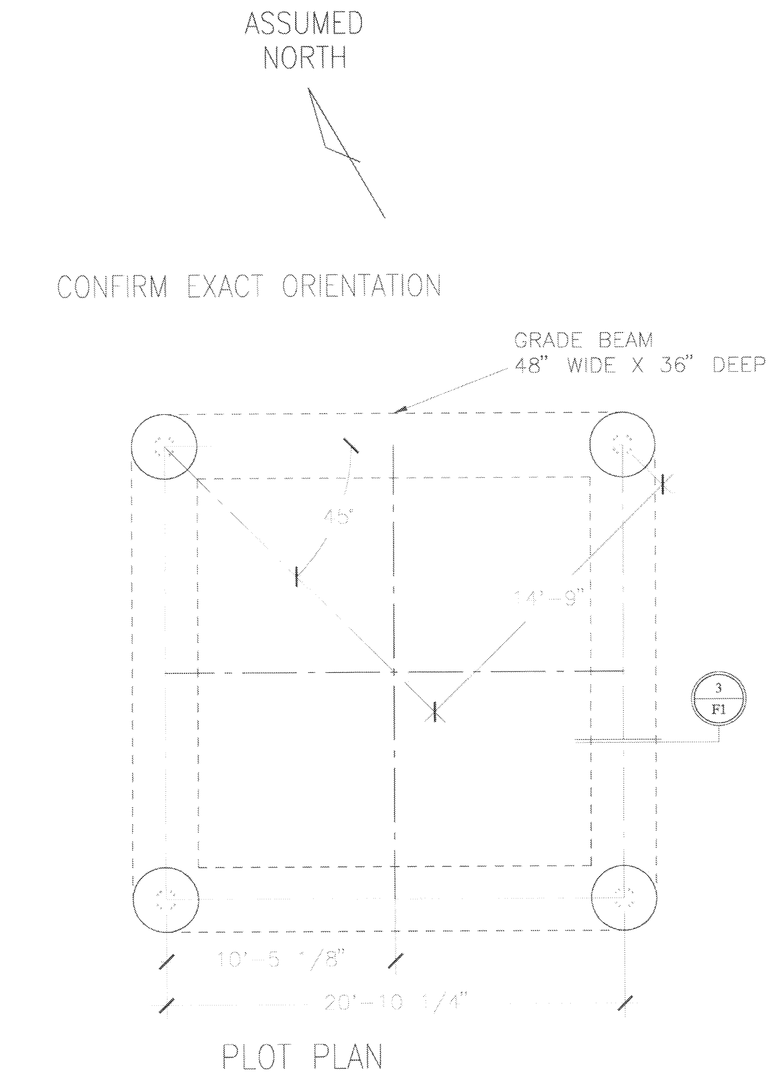
11. THE BOTTOM OF THE EXCAVATION SHALL BE CLEAR AND FREE OF LOOSE SOIL. SAFETY PRECAUTIONS SHALL BE USED TO INSURE THE EXCAVATION PRESENTS NO HAZARDS TO OTHERS IF LEFT UNATTENDED.

12. THE FOOTING SHALL PENETRATE 40'-6" AND BEAR UPON UNDISTURBED SOIL. ALL BACKFILL SOIL SHALL HAVE A MINIMUM IN PLACE DENSITY OF 90 % OF THE MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT ESTABLISHED BY ASTM-D1557-02.

13. REINFORCING STEEL SHALL MEET ASTM A615-706A GRADE 40 FOR #5 AND SMALLER AND GRADE 60 FOR #6 AND LARGER.

TOWER FOUNDATION LOADS		TOWER LEG LOADS	
DL	= 47,123 lbs.	SHEAR	= 35,539 lbs.
V	= 96,435 lbs.	DOWN	= 263,835 lbs.
M	= 7,444,413 lbs./ft.	UPLIFT	= 240,284 lbs.
T	= 43,296 lbs./ft.	HYDRO COLLAPSE	= 135,000 lbs.

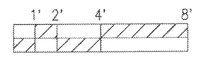
19 CUBIC YARDS CONCRETE REQUIRED PER CAISSON

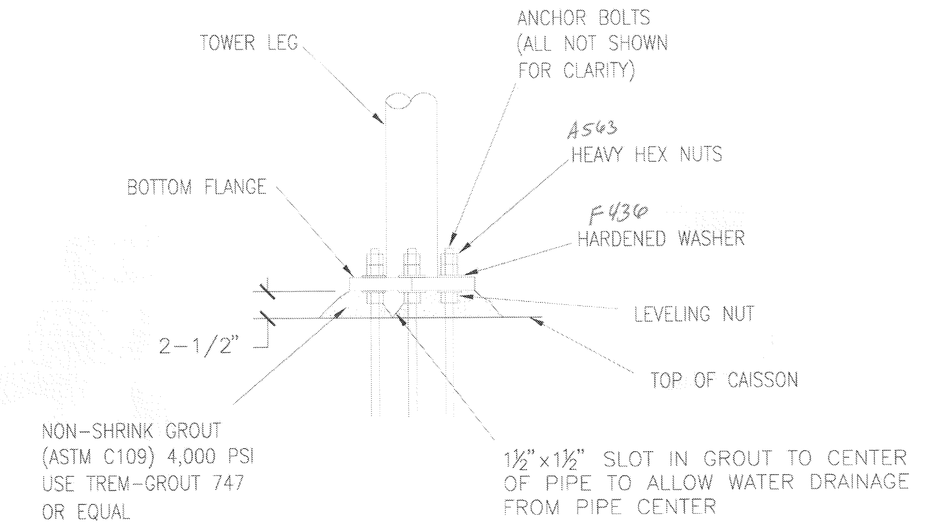


PLOT PLAN

Pier Layout 2

Scale : 1/4" = 1'-0"



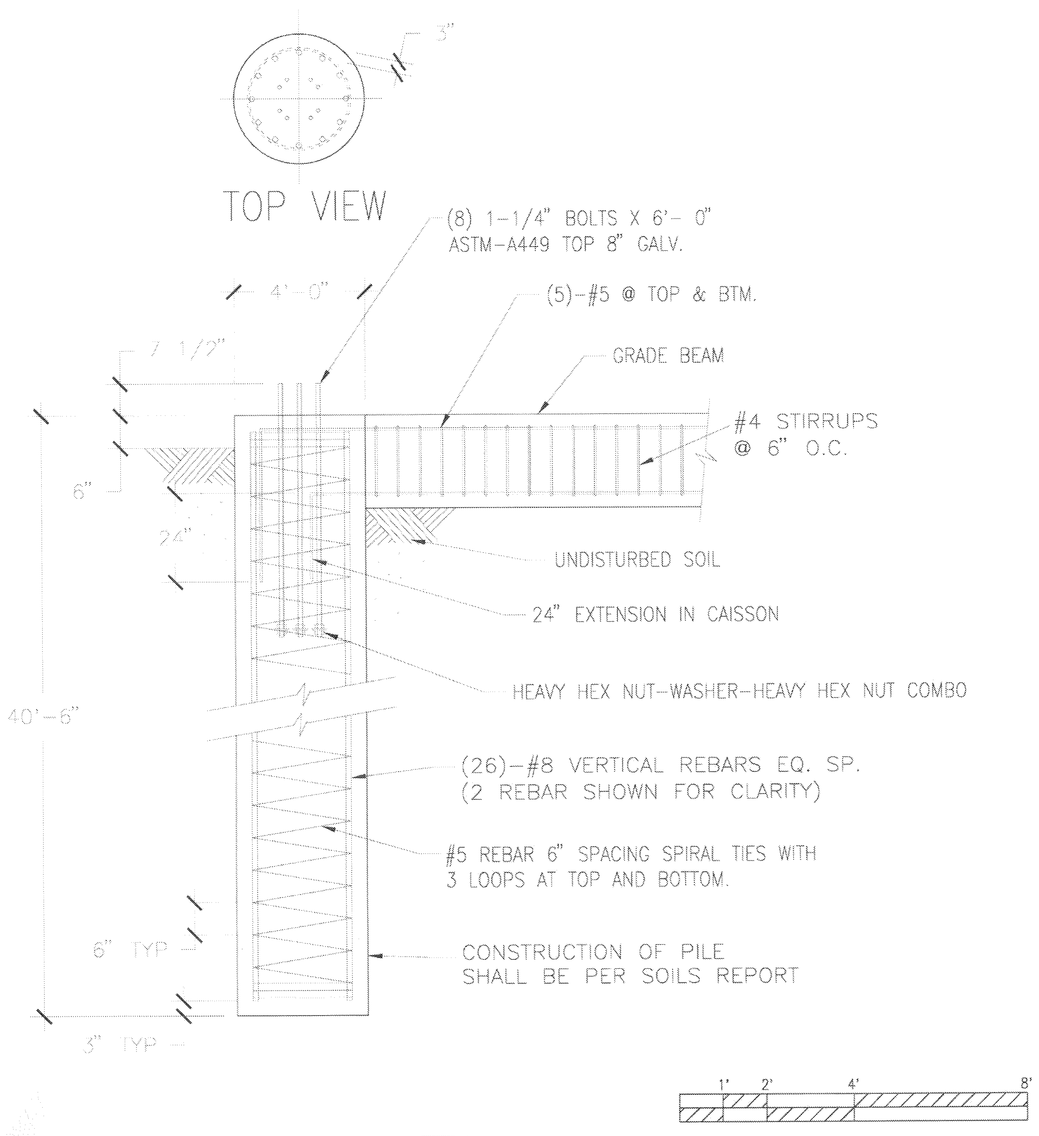


GROUTING DETAIL

SCALE: NONE

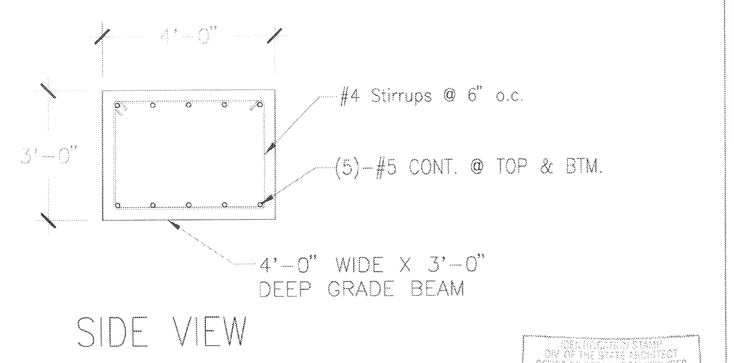
Typ. Grout 1

Scale : None



Concrete Pier 5

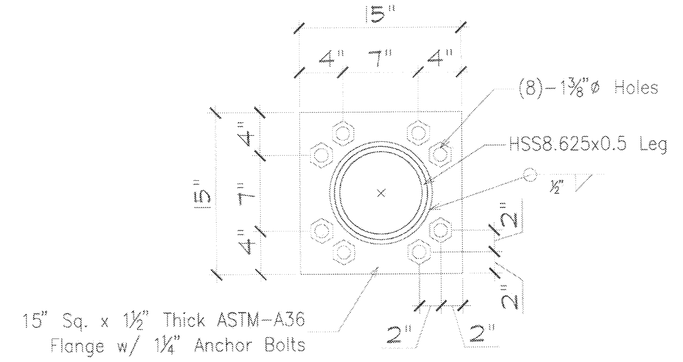
Scale : 1/2" = 1'-0"



OFFICE OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 109536
DATE OCT 2 8 2008

Grade Beam 3

Scale : 1/2" = 1'-0"



Base Template 4

Scale : 1-1/2" = 1'-0"

PROJECT

INLAND EMPIRE TMC
Caltrans CHP
DISTRICT 8 / INLAND DIVISION
13892 VICTORIA STREET
FONTANA, CA 92336

CLIENT

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REAL ESTATE SERVICES DIVISION
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STATUS

OCT. 27, 2008

ISSUE

MARK	DATE	DESCRIPTION

PROJECT NO: 00000000.0000
DRAWN BY:
CHECKED BY:

STAMP

REGISTERED PROFESSIONAL ENGINEER
ALAN P. ROCHA
No. C55564
Exp. 6/30/09
CIVIL
STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
ROGER S. SWAN
No. M35018
Exp. 9/30/09
CIVIL
STATE OF CALIFORNIA

SHEET TITLE

FOUNDATION PLAN

F1