

STRUCTURAL TECHNOLOGY CONSULTANTS, INC
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SHEET: 1 OF 9
DATE: 04-13-05

PROJECT: MONUMENT SIGN, VARIOUS LOCATIONS
DESIGNER: BT
PROJ. NO.: 489-18.1
CLIENT: SIGNTRONIX

CODE: 1997 UBC/2001 CBC/
2000 IBC/2003 IBC
WIND: BASIC WIND =
124 MPH (UBC/CBC, FASTEST MILE)
154 MPH (IBC, 3 SEC. GUST)
EXPOSURE = C
WIND GOVERNS $q_s = 39.7$
 $C_q = 1.4$
DESIGN WIND PRESSURES:
 $\phi' - 15' 58.91 \text{ PSF}$

GENERAL NOTES FOR POLES AND FOOTING:

1. CONCRETE $f'_c = 2500 \text{ PSI}$. SPECIAL INSPECTION NOT REQUIRED.
2. PIPE STEEL ASTM A53 GRADE B.
3. PLATE STEEL ASTM A36.
4. BOLT STEEL ASTM A307.
5. SIGN CABINETRY SHALL BE FABRICATED IN THE SHOP OF A LICENSED CONTRACTOR WITH CERTIFIED WELDERS.
6. SOIL PASSIVE PRESSURE BASED ON 1997 UBC TABLE 18-1-A CLASS 5 OR BETTER. SPECIAL INSPECTION NOT REQUIRED.
7. SOIL PASSIVE PRESSURE BASED ON 2000 IBC TABLE 1804.2 CLASS 5 OR BETTER. SPECIAL INSPECTION NOT REQUIRED.
8. SITE IS NOT SUBJECTED TO WIND SPEED-UP EFFECT ($K_z \leq 1.0$) AS DEFINED IN SECTION 6.5.1.2 OF ASCE 7-98/02. CONTACT ENGINEER OF RECORD IF SUCH EFFECTS ARE PRESENT.
9. CALCULATION OF SIGN AREAS BASED ON AREA TRIBUTARY TO 1 OF 2 POLES.
10. HEADED ANCHOR BOLTS ASTM F1554.
11. REINFORCING STEEL ASTM A615, GRADE 60.
12. PROVIDE 3" MIN. CLEAR COVER ON ALL STEEL EMBEDDED IN CONCRETE.
13. PROVIDE SLOPE AWAY FROM BASE OF POLE.

