STEEL STRAIN POLE NOTES


2) Perform all welding in accordance with the American Welding Society Structural Welding Code (Steel) ANSI/AWS D1.1 (current edition).

3) Materials:
   a. Poles: ASTM A572, Gr. 65
   b. Clamps: ASTM A36
   c. Handlebar Frame: ASTM A572, Gr. 50
   d. Handlebar Cover: ASTM A36
   e. Steel Plate: ASTM A572, Gr. 50
   f. Anchor Bolt: ASTM F1554 Grade 105
   g. Anchor Bolt nuts: ASTM A963 Grade A Heavy Hex
   h. Anchor bolt washers: ASTM A490 Type 1
   i. Bole (except Anchor Bolts): ASTM A320 Type 1
   j. Nuts: ASTM A563 Grade D
   k. Flat washers: ASTM F436
   l. Stainless Steel Screws: ANSI Type 316
   m. Galvanization: All nuts, bolts and washers; ASTM A232

4) Pole Notes:
   a. Poles to be 12-sided.
   b. The Pole shall be tapered with the diameter changing at a rate of 0.14 inch per foot.
   c. Transverse welds are allowed only at the base.
   d. A "P" mark identifying the pole shall be applied to pole with spray on bonding agent after galvanizing. Fabricators to provide details for approval.
   e. Identification tag located on inside of pole, visible from handhole. See detail B, Sh. 2 of 2.

5) One hundred percent of full penetration groove welds and a random 25 percent of partial penetration groove welds shall be inspected. Full-penetration groove weld inspection shall be performed by nondestructive methods of radiography or ultrasonics.

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Job Name & Number: Washington State D.O.T.
Steel Strain Pole - Type IV Class 1900 lbs - 7200 lbs

Approved:
Manufacturer's Pole Plan
Pre-Approved Drawing
WSDOT Bridge & Structures Office
By G.B. Date 5-28-09

ELEVATION VIEW
(Not to Scale)