Mast Arm Connection Detail

Hole 1/2" x 3/4" for bolts

3 3/8" dia. hole in pole plate for 4" dia. hole in pole (debur hole)

See Weld Detail

7 1/2" hole at bottom center hole with wire

Insect Screen

(3) 40 pipe winding 24" x 2"

(2) 1" dia. vent holes in bottom plate & (4) 3/4" dia. vent holes in pole

(4) 3/4" HD connection bolts (see chart)

Each w/ (1) flat washer, plate drill and taped

Pole Base Socket Weld Detail (Per Chart)

Pole Base Plate

Plate O.D. equals B.C. + 4" - 6"

Center Hole dia. (Bolt circle - 4"

Anchor Bolt Configuration

1/2" Dia. Anchor Bolts

(4) countersunk dia. caul.

A. bolts w/ (6) heavy head nuts & (6) flat washers for A. bolt

(4) countersunk dia. caul.

A. bolts w/ (6) heavy head nuts & (6) flat washers for A. bolt

Tightening Using Turn of Nut Method:

Specification for structural joints using A325 or A490 bolts. Refer to Chapter on Structural Connections 6/00

1) Bolts shall be placed in all holes with washers, compacting the joint to the snug tight condition shall required systematically. The snug-tightened condition is the tightness that is attained with a feel for impacts of an impact wrench or the full effect of an iron hammer using an ordinary spud wrench to bring the connected plates into firm contact.

2) For bolt lengths not more than 4 feet diameters, with both sides normal to bolt, 1/3 turn past snug point. For one side slopped no more than 1/2 turn past snug. For both sides slopped no more than 1/2 turn past snug.

Base Connection Detail

Hole dia. = bolt dia. + 1/8" - 3/8" - 1/4" - 5/16" - 3/32" - 7/32" - 1/8"

187 & 4x6 1/2 HAY - B.C.

R2"

Base Plate Detail

1/22/2014

Expires 11/17/2014

Approved

Manufacturer’s Pole Plan

Approved for Listing as a

Pre-Approved Drawing

WSDOT Bridge & Structures Office

By GB  Date 12-12-2014

State of Washington

WSDOT Standards

Type II Steel Traffic Poles

State of Washington DOT

12/30/2013

Expires 12/30/2017

Type II Steel Traffic Poles

State of Washington DOT

Designed by

Union Metal Corporation

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