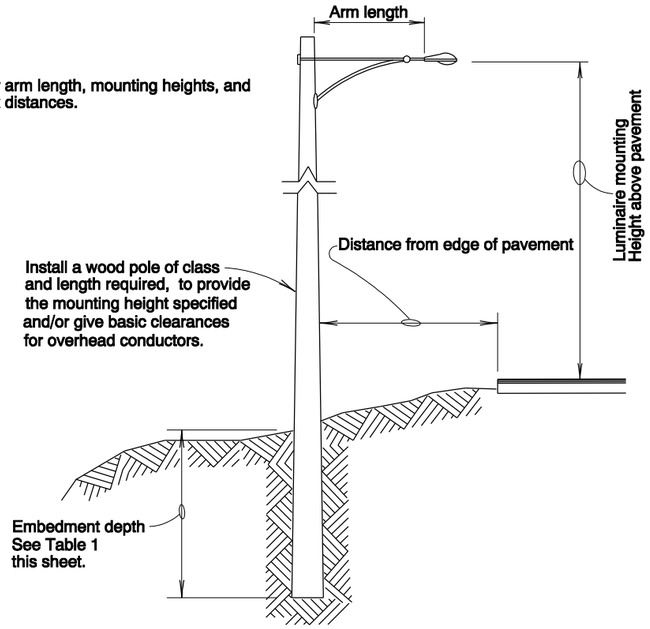
LUMINAIRE INSTALLATION ON WOOD POLES

NOTE: See plans for arm length, mounting heights, and pole set back distances.



TYPICAL WOOD POLE INSTALLATION

No Scale

Note: Details are not meant to reflect any manufacturer's product.
Other designs may be acceptable, but must be submitted for approval.

Note:
- Luminaire supports shall be designed in accordance with AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals
- The design wind velocity shall be 100 mph unless shown otherwise on the plans or in the Special Provisions for the project.
- Bolts shall conform to ASTM Specification A307.
- Steel sheet and plate shall be Merchant quality.
- All structural steel including washers and nuts shall be hot dip galvanized after fabrication unless noted otherwise.
- Wind rods required for arms over 8'.

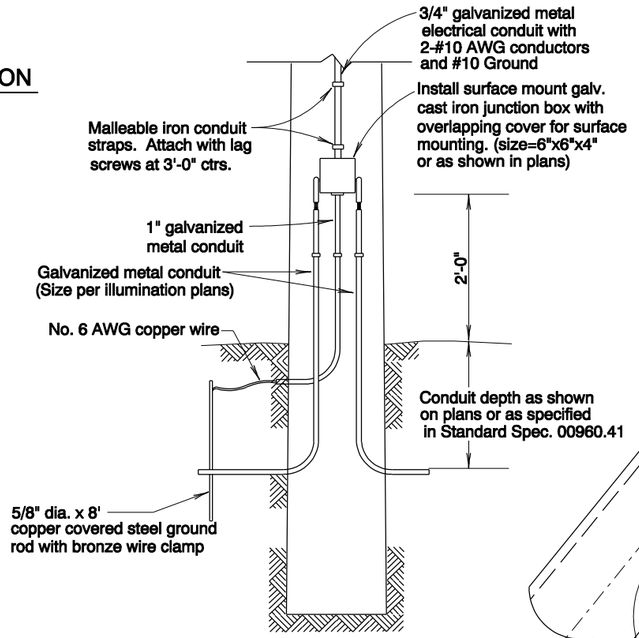
TABLE 1

SETTING DEPTH FOR WOOD POLES

Length of Pole (feet)	Depth in Soil (feet)	Depth in Rock (feet)
25	5.0	3.5
30	5.5	3.5
35	5.5	4.0
40	6.0	4.0
45	6.5	4.5
50	7.0	5.0
55	7.5	5.0
60	8.0	5.5

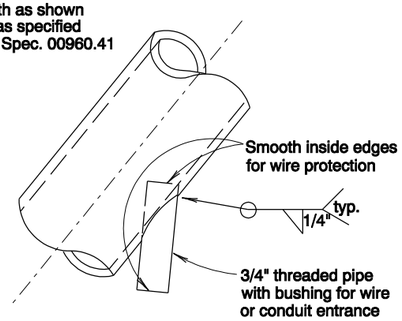
Note: 1. Where soil is underlain with rock, the depth of the hole in the rock is to be 70% of the depth required in soil.

2. Where poles are located on other than level areas, measure the setting depth from the low side of the hole.



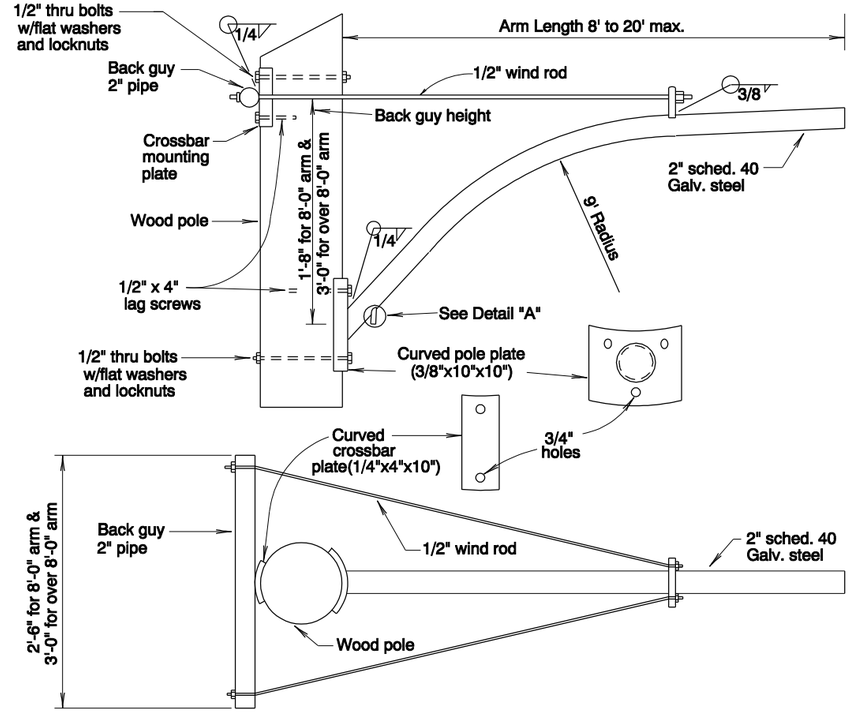
TYPICAL JUNCTION BOX ON WOOD POLE INSTALLATION

No Scale



DETAIL "A"

No Scale



BRACKET FOR ARMS 8' TO 20'

No Scale

ARM LENGTH	LUM. MAX. WT.	MAX. PROJ. AREA
8' thru 20'	65 lbs.	2 sq. ft.

The selection and use of this detail, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.

OREGON DEPARTMENT OF TRANSPORTATION
TECHNICAL SERVICES
DETAILS

LUMINAIRE INSTALLATION ON WOOD POLES

DETAIL NO. DET4300

DET4300

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Effective Date: June 1, 2008 - November 30, 2008

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