



Note: The PROV published in November 2018 replaces OPSS 2420 COMMON, November 2010 with no technical content changes.

MATERIAL SPECIFICATION FOR WOODEN POLES

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2420.01 SCOPE

This specification covers the requirements for wooden poles and reinforcing stubs.

2420.02 REFERENCES

This specification refers to the following standards, specifications, or publications:

CSA Standards

O15-15 Wood Utility Poles and Reinforcing Stubs
O80 Series-15 Wood Preservation

2420.05 MATERIALS

2420.05.01 Wood Species

Wood species of poles and reinforcing stubs shall be western red cedar, red pine, jack pine, lodgepole pine, and southern yellow pine (i.e., long leaf, short leaf, loblolly, and slash).

2420.05.02 Quality of Poles before Treatment

Physical properties of western red cedar, red pine, jack pine, lodgepole pine, and southern yellow pine shall be according to CAN/CSA O15.

2420.05.03 Dimensions

Pole dimensions shall be according to CAN/CSA O15.

Pole class and length shall be as specified in the Contract Documents and the Pole Substitution subsection.

2420.05.04 Pole Substitution

If a pole of the desired class and length is not available, a pole of equal or greater ground line circumference may be substituted, provided any excess length is cut from the top.

2420.05.05 Preservatives

Preservatives shall be according to CAN/CSA O80 Series.

2420.07 PRODUCTION

2420.07.01 Preservation Treatment

2420.07.01.01 Preparation of Poles

Preparation of poles and reinforcing stubs for the preservative treatment shall be according to CAN/CSA O80 Series.

2420.07.01.02 Preservation Options

Western red cedar shall be butt treated according to CAN/CSA O80 Series to a length that brings the treatment to 300 mm above the ground line.

Red pine, jack pine, lodgepole pine, and southern yellow pine shall be full length treated according to CAN/CSA O80 Series.

2420.07.01.03 Preservative Retention

Penetration of the preservative shall be according to CAN/CSA O80 Series.

2420.07.02 Marking

Each pole shall have identification marking located 3 m from the butt of the pole. Poles shall be legibly and permanently marked with the following information in letters a minimum of 16 mm high:

- a) Class and length.
- b) Species.
- c) Manufacturer identification.
- d) Year in which pole was treated (i.e., yyyy).

2420.07.03 Shipping

The Contractor shall advise the Owner of the shipping date 3 Business Days prior to delivery.

2420.08 QUALITY ASSURANCE

2420.08.01 Inspection

All work is subject to an inspection by the Owner's representative prior to shipment.

The supplier shall notify the Owner of the date that the fabrication of the poles is to commence.

The Owner's representative shall have free access to the place of fabrication for the purpose of inspecting and examining plant records and certificates, the materials used, the fabrication process, and to make any tests as may be considered necessary, while work on the poles is being performed.