

SOUTH CAROLINA ELECTRIC COOPERATIVES WOOD POLE SPECIFICATION

Last Revised 12/14/12

1.0 SCOPE

- 1.1 This specification establishes the minimum acceptable standards for preservative treated wood poles for use on South Carolina Electric Cooperative's distribution lines.

2.0 APPLICABLE SPECIFICATIONS

- 2.1 All poles shall meet or exceed the requirements set forth in the latest revision of the following standards:

- 1.) Rural Utilities Service (RUS) Bulletin 1728F-700.
- 2.) ANSI O5.1-2008
- 3.) American Wood Preserver's Association Standards (AWPA)

- 2.2 In the event of discrepancies between standards, then RUS Bulletin 1728F-700 shall govern, with exceptions as noted in this specification.

3.0 EXCEPTIONS TO RUS BULLETIN 1728F-700

3.1 Section 9, Drawings

See the attached South Carolina Electric Cooperative Pole Framing Guide M20.

3.2 Appendix A, Material Requirements, Section 7.9, Shape:

Poles shall be free from short crooks. A pole may have sweep subject to the following limitations:

Where sweep is in one plane and direction only: For pole species, except northern white cedar, a straight line joining the edge of the pole at the butt and the edge of the pole at the top shall not be distant from the surface of the pole at any point by more than 1 inch for each 10 feet in length. The deviation for northern white cedar poles is 1 inch for each 5 feet in length.

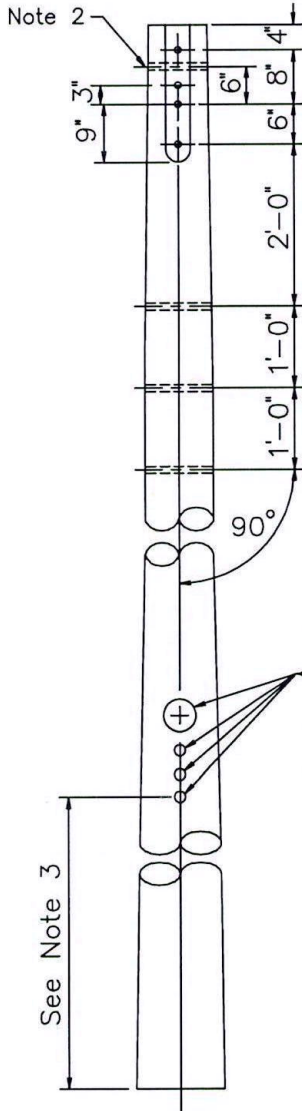
3.3 Appendix A, Material Requirements, Section 8.2, Circumference:

The minimum circumferences at 6 feet from the butt and at the top, for each length and class of pole, are listed in RUS Bulletin 1728F-700, Tables 3 through 9. The circumference at 6 feet from the butt of a pole shall not be more than 7 inches or 20 percent larger than the specified minimum, whichever is greater.

The top dimensional requirement as referenced above shall apply at a point corresponding to the minimum length permitted for the pole, with no allowance for shrinkage.

4.0 INSPECTION REQUIREMENTS

- 4.1** An independent/quality assurance inspection company or program shall inspect poles purchased under this specification.



Through-bolt holes must be parallel and in the same plane

HOLES: Drill 11/16" diameter

GAINS: Gains are to be flat with plane at right angles to the bolt holes

Neutral bolt hole must be at 90° angle with through-bolt holes

- Suppliers code or Trademark
- Independent Inspection Agency Designation or Quality Assurance Mark
- Plant location, month and year of treatment
- Species, preservative and retention code
- Size or designation

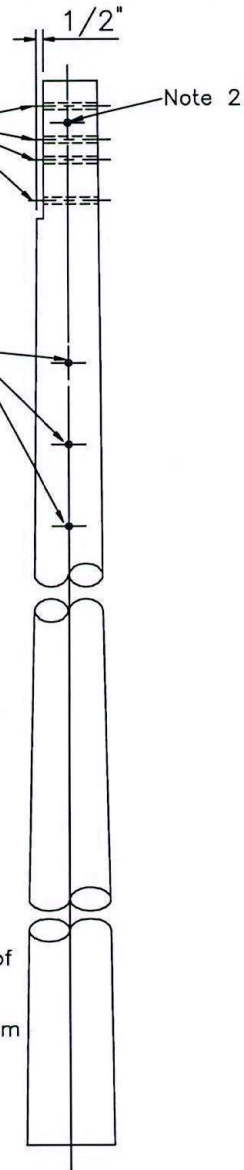
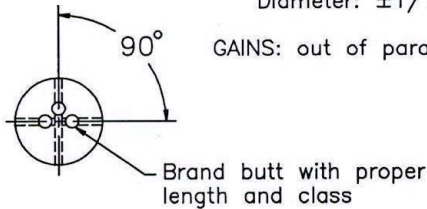
TOLERANCES

- HOLES:
- On the gain: $\pm 1/8"$ from the centerline of the holes.
 - On the side opposite the gain: $\pm 1/4"$ from the centerlines of the holes.
- Location (measured from the roof):
- Gain side $\pm 1/4"$
 - Opposite side $\pm 1/2"$
- Diameter: $\pm 1/16"$

GAINS: out of parallel $\pm 1/2"$

NOTES:

1. All poles shorter than 50 feet must be bored, roofed and gained before treatment, except that Class 7 and smaller poles need not be gained unless requested by purchaser. Roofs may be flat or at a 15° angle at the producer's option.
2. Anti-split bolt hole.
3. Bottom of brand or center of metal disk shall be $10' \pm 2"$ from the pole butt for poles less than 55' in length; $14' \pm 2"$ for poles 55' and longer.



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REVISED

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POLE FRAMING GUIDE

M20