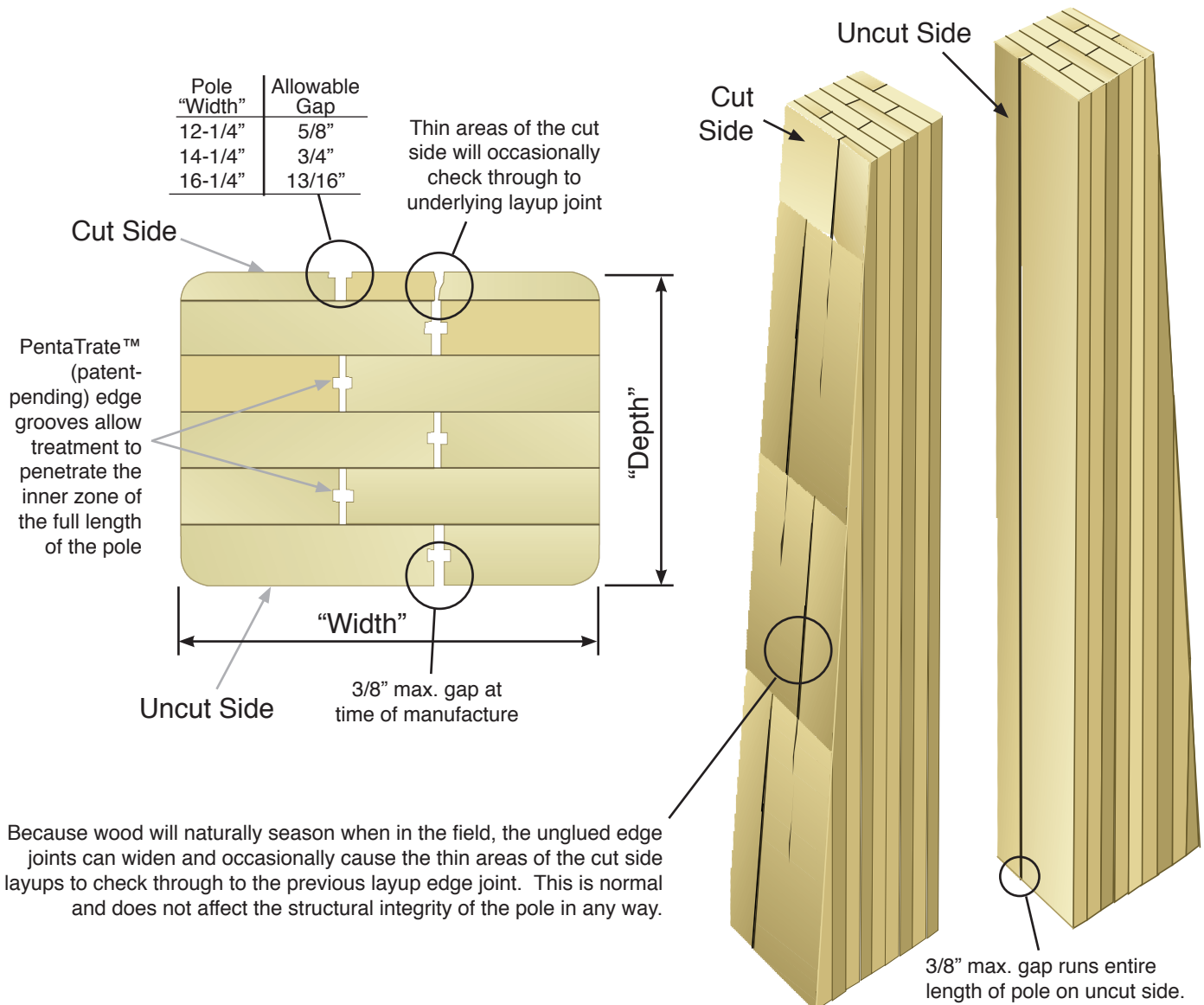


Unglued Edge Joint Specifications for E-LAM[®] Laminated Wood Poles

All E-LAM[®] Southern Pine and Coastal Douglas-fir poles are manufactured in accordance to ANSI 05.2-2012 standards for the manufacture of laminated

wood structural members. The following is a portion of the manufacturing standard that applies to unglued edge joints.

Edge Joints - Edge joints bonding shall not be required unless specified by the designer as a response to structural requirements. Edge spacing in top and bottom laminations may be up to 1/4 in. for the full length with occasional 3/8 in. gap permitted. Edge spacing in interior laminations shall not exceed 3/8 in. for nominal widths of 10 in. and less, 1/2 in. for 12 in. nominal widths and 5/8 in. for 14 in. nominal widths. For nominal widths wider than 14 in., the allowable opening shall be proportional to the opening allowed for a nominal width of 14 in.



Because wood will naturally season when in the field, the unglued edge joints can widen and occasionally cause the thin areas of the cut side layups to check through to the previous layup edge joint. This is normal and does not affect the structural integrity of the pole in any way.

Typical Appearance of Unglued Edge Joints on E-LAM® Laminated Wood Poles

Penta & Oil Preservative Treatment (Treatment after gluing)



Photo A – Typical unglued edge joint on cut side of pole showing slight checking through thin area of next layup.



Photo B – Typical unglued edge joint on uncut side of pole which runs the entire length of pole.

CCA Preservative Treatment (Treatment prior to gluing)



Photo C – Typical unglued edge joint on cut side of pole showing checking through thin area of next layup. Wood treated with CCA is more susceptible to deep checking than wood treated with Penta & Oil.