

| | FAS | F1F | SELECT | #1 COM | #2A & 2B | #3A COM | #3B COM | FAS Limits | |
|--------------------------------------|---|--|-------------------------------|--|---|--|---|--|---|
| Minimum Size Board | 6" x 8' | Same as FAS for species being graded | 4" x 6' | 3" x 4' | 3" x 4' | 3" x 4' | 3" x 4' | Pith = SM in inches Wane = 1/2 Length Knot = 1/3 SM Warp = Entire board must be flat enough to S2S to S.S.T. Splits: Not to exceed 2 x SM or 12" whichever is greater Splits shall not diverge 1" in 12" First Lineal Rule: Applies to both ends of Board to contain not less than 50% clear wood, 25% sound wood. | Wane in FAS 1 FACE FAS limitation applies to Better Face #1 Common side: 1/3 W or 1/2 L Widest wane added together; Length can be on both edges |
| Minimum Size Cutting | 4" x 5' 3" x 7' | Better Face to Grade FAS Poor Face to Grade #1 Common | 4" x 2' 3" x 3' | 4" x 2' 3" x 3' | 3" x 2' | 3" x 2' | Not less than 1-1/2" wide containing 36 sq. inches | | Wane in Selects <u>Pcs. 6" & Wider</u> FAS limitation applies to Better Face. #1 Common side: 1/3 W or 1/2 L Widest wane added together. Length can be on both edges. |
| Basic Yield | SM x 10 83-1/3% | | SM x 8 66-2/3% | SM x 6 50% | SM x 4 33-1/3% | SM x 3 25% | Warp = Entire board must be flat enough to S2S to S.S.T. | | <u>Pcs. 4" & 5" Wide</u> 1/3 W or 1/2 L applies to both faces. Add widest wane together. Add total length of wane from both edges. |
| Formula to Determine Number of Cuts | $\frac{SM}{4}$ (4 max) | | $\frac{SM + 1}{3}$ (5 max) | $\frac{SM}{2}$ (7 max) | Unlimited | Unlimited Sound Cuttings | Splits shall not diverge 1" in 12" | | NOTE: This chart summarizes the main requirements for the standard grades. For complete information, consult the appropriate section of the NHLA Rule Book. |
| SM Needed to Take Extra Cutting | 6-15' SM | | 3-10' SM | 2-7' SM | | | | | |
| Extra Yield Needed for Extra Cutting | SM x 11 91-2/3% | | SM x 9 75% | SM x 8 66-2/3% | | | | | |
| Special Yields | 97% Rule - 2 cuts full widths any length; Pcs. 6" & wider with 6-12' SM SM x 11.64 for Yield | | 97% Rule - On Better Face | 97% Rule - On Better Face; 2' x 3' SM to be 100% clear or SM x 11 in one cutting | 1' SM - SM x 12 or 100% clear 2' SM - SM x 9 | 1' SM - SM x 8 #2A Com - Clear Cuttings #2B Com - Sound Cuttings | #2A Com on Better Face and reverse side of cuttings sound; will also qualify for 3A Com | | |