

**Maximum Span Comparisons by Species
New Southern Pine¹ vs. Current Other Species²**

¹Effective June 1, 2013

Maximum spans in feet-inches, spacing 16 inches on center

Table 1 FLOOR JOISTS – 30 psf Live Load, 10 psf Dead Load, 360 Deflection

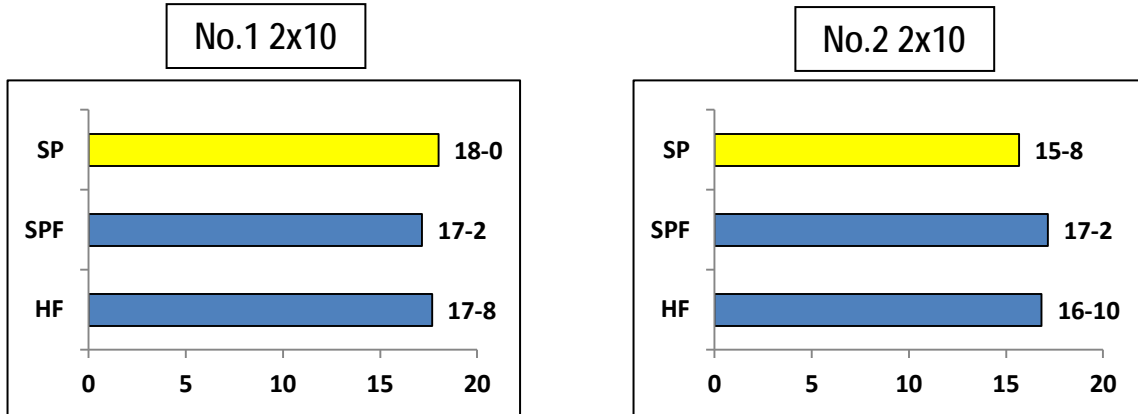
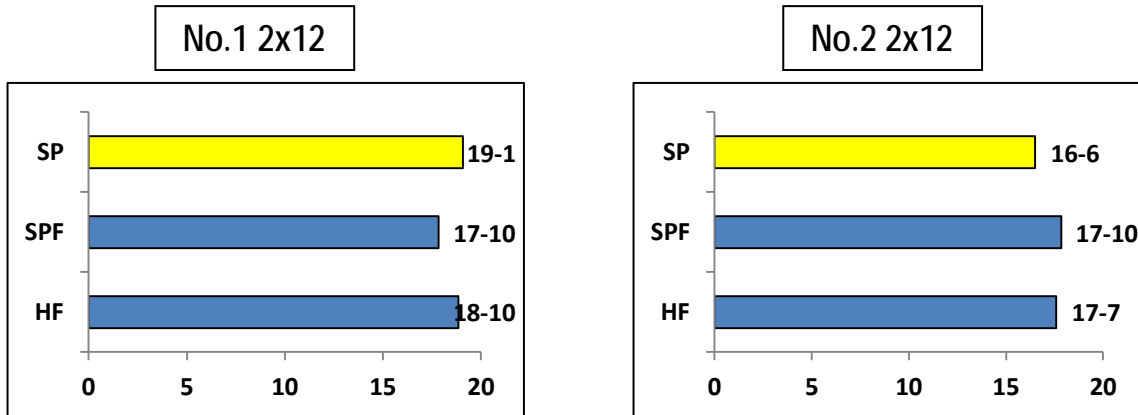


Table 2 FLOOR JOISTS – 40 psf Live Load, 10 psf Dead Load, 360 Deflection



¹The Southern Pine Inspection Bureau published new design values for all sizes and grades of visually graded Southern Pine dimension lumber in *Supplement No. 13 to the 2002 Standard Grading Rules for Southern Pine Lumber*. The Southern Pine spans in these graphs were calculated using the new design values which became effective June 1, 2013.

²The spans for other species in these graphs were calculated using current design values from the 2012 *National Design Specification*® *Supplement, Design Values for Wood Construction*. SPF = Spruce-Pine-Fir, HF = Hem-fir.

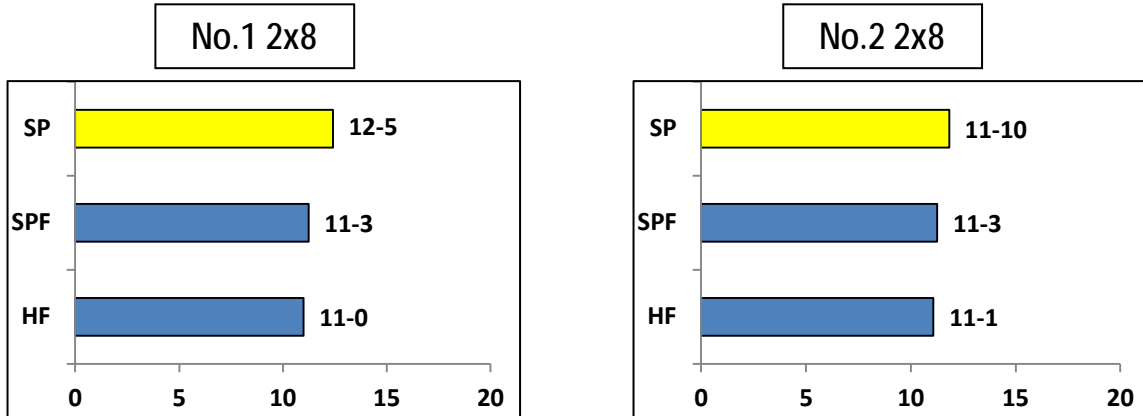
The Southern Forest Products Association (SFPA) does not test lumber or establish design values. Accordingly, neither SFPA, nor its members, warrant that the design values on which the span tables are based are correct, and disclaim responsibility for injury or damage resulting from the use of such span tables.

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**Table 12 WET-SERVICE FLOOR JOISTS – MC>19%
40 psf Live Load, 10 psf Dead Load, 360 Deflection**



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Table 15 CEILING JOISTS – 10 psf Live Load, 5 psf Dead Load, 240 Deflection

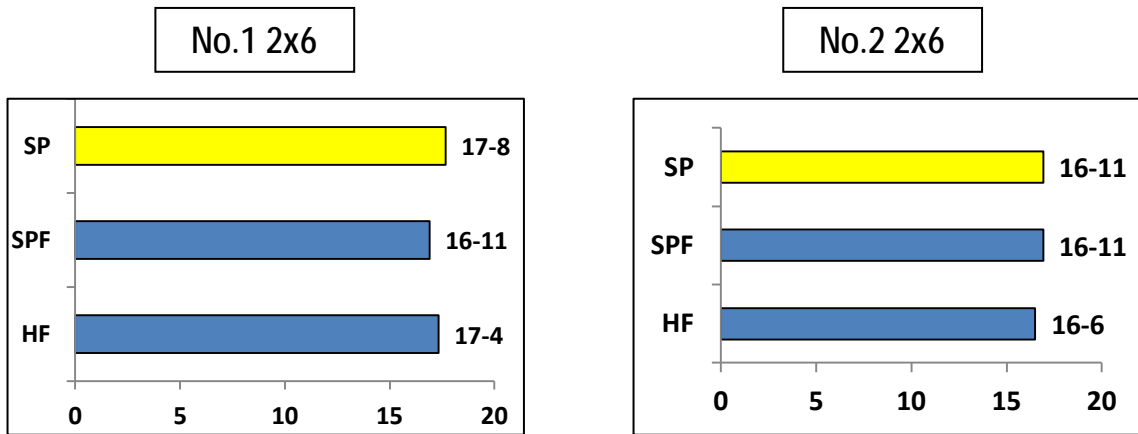
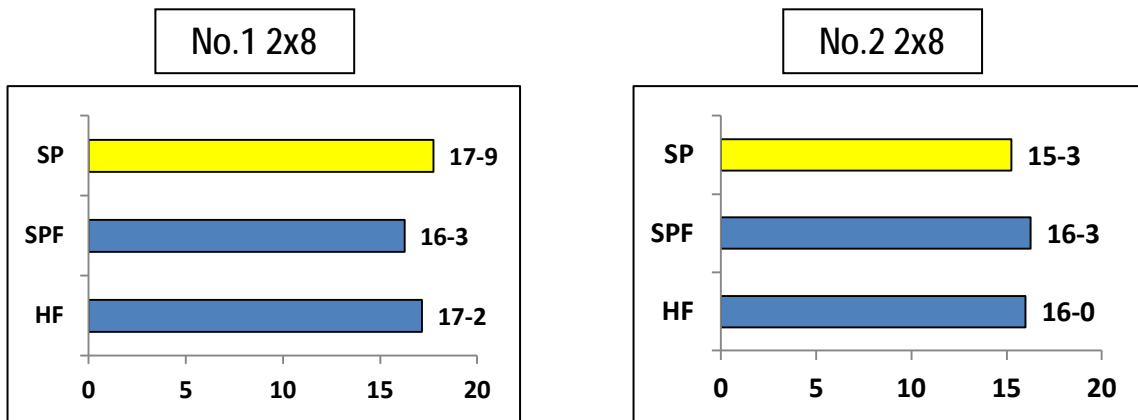


Table 16 CEILING JOISTS – 20 psf Live Load, 10 psf Dead Load, 240 Deflection



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**Table 17 RAFTERS – 20 psf Live Load, 10 psf Dead Load, 240 Deflection
 $C_D = 1.15$ (snow load)**

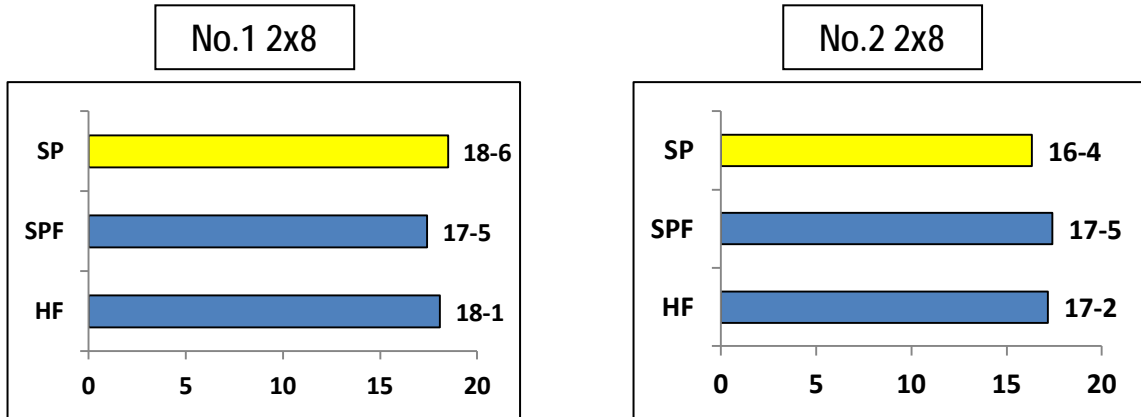
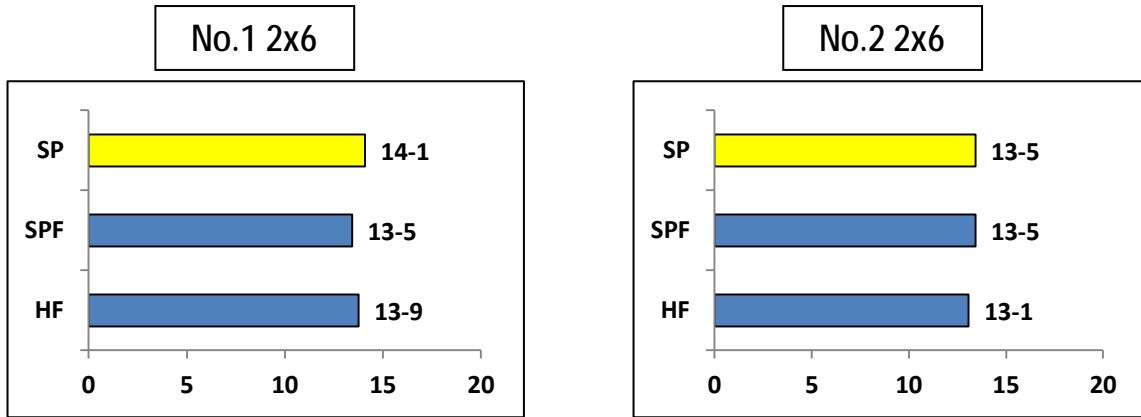


Table 41 RAFTERS – 20 psf Live Load, 10 psf Dead Load, 240 Deflection $C_D = 1.25$



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