

**STRUCTURAL DECKING DESIGN VALUES<sup>1</sup>**Table **2**

Sizes: 2" to 4" thick, 4" to 12" wide

Use with appropriate Adjustments in Tables C, F, G, H

For flatwise use only

DRY or MC15					
Species	Decking Grade	$F_b$		$F_{c\perp}$	$E$
		Single Member	Repetitive Member		
<b>Douglas Fir-Larch</b>	Selected	1750	2000	625	1,800,000
	Commercial	1450	1650	625	1,700,000
<b>Douglas Fir-South</b>	Selected	1650	1900	520	1,400,000
	Commercial	1400	1600	520	1,300,000
<b>Hem-Fir</b>	Selected	1400	1600	405	1,500,000
	Commercial	1150	1350	405	1,400,000
<b>SPFS</b>	Selected	1150	1350	335	1,400,000
	Commercial	950	1100	335	1,200,000
<b>Western Cedars</b>	Selected	1250	1450	425	1,100,000
	Commercial	1050	1200	425	1,000,000
<b>Western Woods</b>	Selected	1150	1300	335	1,200,000
	Commercial	950	1100	335	1,100,000

<sup>1</sup> Design values in pounds per square inch. See Table 1 (page 6) for compression perpendicular to grain ( $F_{c\perp}$ ) values.

**ADJUSTMENT FACTORS FOR DEPTH EFFECT**Table **H**

For all widths of Structural Decking

Decking bending design values may be adjusted for thickness as shown below because the bending values shown in Table 2 are based on a 4" thick member loaded flatwise.

Nominal Thickness		
2"	3"	4"
1.10	1.04	1.00

**ADJUSTMENTS FOR STRUCTURAL DECKING**Checklist **3**

- Duration of Load ( $C_D$ ) Table C, page 7
- Wet Use Factor ( $C_M$ ) (only when appropriate) Table F, page 9
- Incising Factor ( $C_i$ ) Table G, page 9
- Depth Effect Table H, page 9