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Dimension lumber,  $S = 30.66 \text{ in.}^3$ ,  $I = 111.1 \text{ in.}^4$   
b.  $F_b = 1000 \text{ psi}$ ;  $F_v = 180 \text{ psi}$ ;  $E = 1.7 \times 10^6 \text{ psi}$   
c.  $C_D = 1.25$ ,  $C_M = C_t = C_L = C_r = 1.0$ ,  $C_F = 1.3$

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Kelly E. Cobeen, David G. Pollock, Jr  
Ch. 2: Design Loads Chapter 2  
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Manual 6th developed as a companion design tool to the 2005 National Design Specification® (NDS®) for Wood Construction. It will be available beginning in the Spring of 2005 through the American Forest & Paper Association (AF&PA). The authors are Dr. Dan L. Wheat, P.E. of the University of Texas at

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1. For the design of temporary structures, (defined for this chapter as a structure that will be in place 180 days or less) load combinations in Equations 16-8 and 16-9 can be multiplied by a factor of 0.75. 2. For the design of temporary structures, the Equations 16-10, 16-11 and 16-12

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can be multiplied by a factor of 0.67.

**Chief Structural Engineer Dolores Spivack, RA, AIA, LEED AP**

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