

TABLE 4

POSTS and TIMBERS (5" X 5" and LARGER)
 WIDTH NOT MORE THAN 2" GREATER THAN THICKNESS
 Design Values in Pounds Per Square Inch

Grades described in para. 26.0-26.3

Species or Group	Grade	Extreme Fiber Stress in Bending "Fb" Single Member	Tension Parallel to Grain "Ft"	Horizontal Shear "Fv"	Compression		Modulus Elasticity "E"
					Perpendicular "FcL"	Parallel to Grain "Fc"	
RED MAPLE	Sel. Str.	1400	925	195	615	950	1,500,000
	No. 1	1150	750	195	615	825	1,500,000
	No. 2	650	425	195	615	375	1,200,000
MIXED MAPLE	Sel. Str.	1100	725	180	620	750	1,100,000
	No. 1	875	600	180	620	650	1,100,000
	No. 2	500	350	180	620	300	900,000
BEECH-BIRCH-HICKORY	Sel. Str.	1550	1050	180	715	1050	1,500,000
	No. 1	1250	850	180	715	900	1,500,000
	No. 2	725	475	180	715	425	1,200,000
MIXED OAK	Sel. Str.	1250	850	155	800	875	1,000,000
	No. 1	1000	675	155	800	775	1,000,000
	No. 2	575	400	155	800	350	800,000
RED OAK	Sel. Str.	1250	850	155	820	875	1,200,000
	No. 1	1000	675	155	820	775	1,200,000
	No. 2	575	400	155	820	350	1,000,000
NORTHERN RED OAK	Sel. Str.	1500	1000	205	885	1000	1,300,000
	No. 1	1200	800	205	885	875	1,300,000
	No. 2	700	475	205	885	400	1,000,000
WHITE OAK	Sel. Str.	1300	875	205	800	950	1,000,000
	No. 1	1050	700	205	800	825	1,000,000
	No. 2	600	400	205	800	400	800,000