

REDWOOD
Technical Data Sheet

Structural Design Values

ALL VALUES IN PSI

MOE IN MILLIONS OF PSI

	GRADE	BENDING F _b	TENSION F _t	SHEAR F _v	COMPRESSION PERPENDICULAR	COMPRESSION PARALLEL	MODULUS OF ELASTICITY (MOE)	
REDWOOD	Dimension lumber <i>2"-4" thick by 2" and wider</i>	SELECT STRUCTURAL	1100	625	160	425	1100	1.1
		NO. 1	775	450	160	425	900	1.1
		NO. 2	725	425	160	425	700	1.0
		NO. 3	425	250	160	425	400	0.9
		CONSTRUCTION	825	475	160	425	925	0.9
		STANDARD	450	275	160	425	725	0.9
		UTILITY	225	125	160	425	475	0.8
	STUD	575	325	160	425	450	0.9	
	Timbers <i>5"x5" and larger</i>	SELECT STRUCTURAL	1100	750	145	420	900	1.0
		NO. 1	950	650	145	420	800	1.0
NO. 2		750	400	145	420	650	0.9	
WESTERN CEDARS	Dimension lumber <i>2"-4" thick by 2" and wider</i>	SELECT STRUCTURAL	1000	600	155	425	1000	1.1
		NO. 1	725	425	155	425	825	1.0
		NO. 2	700	425	155	425	650	1.0
		NO. 3	400	250	155	425	375	0.9
		CONSTRUCTION	800	475	155	425	850	0.9
		STANDARD	450	275	155	425	650	0.8
		UTILITY	225	125	155	425	425	0.8
	STUD	550	325	155	425	400	0.9	
	Timbers <i>5"x5" and larger</i>	SELECT STRUCTURAL	1100	725	140	425	925	1.0
		NO. 1	875	600	140	425	800	1.0
NO. 2		550	350	140	425	550	0.8	
DOUGLAS- FIR	Timbers <i>5"x5" and larger</i>	SELECT STRUCTURAL	1500	1000	170	625	1150	1.6
		NO. 1	1200	825	170	625	1000	1.6
		NO. 2	750	475	170	625	700	1.3

