

**Commins Manufacturing Inc
960B Guard Street
Friday Harbor, WA 98250**

Trimmer Stud Table-douglas Fir-Larch (6" walls)

12/14/2004

(Number)	Trimmer Size	Comp. Perp Grain		Parallel to Grain, P _c Lbs (133)				
		df-I @ 625 psi		8'	9'	10'	11'	12'
		Per Each		Per Pair (Each Side of Rod)				
1	2 x 6	5,156	10,312	15,074	13,544	11,972	10,489	9,166
1	3 x 6	8,594	17,188	35,040	29,951	25,460	21,690	18,591
1	4 x 6	12,031	24,063	53,099	45,143	38,232	32,492	27,804
1	6 x 6	18,906	37,813	62,377	56,195	49,791	43,703	38,245
1	6 x 8	25,781	51,563	85,059	76,630	67,897	59,595	52,152
1	6 x 10	32,656	65,313	107,742	97,065	86,003	75,488	66,059
1	6 x 12	39,531	79,063	130,424	117,499	104,108	91,380	79,967
2	2 x 6	10,313	20,625	30,148	27,089	23,945	20,978	18,333
3	2 x 6	15,469	30,938	45,222	40,634	35,918	31,468	27,500
4	2 x 6	20,625	41,250	58,432	52,842	46,984	41,354	36,264
5	2 x 6	25,781	51,563	73,041	66,053	58,730	51,693	45,330
6	2 x 6	30,938	61,875	87,649	79,264	70,476	62,032	54,396
7	2 x 6	36,094	72,188	102,257	92,475	82,222	72,371	63,462
			Normal Limit	Connection Limited by Parallel to Grain Load				

Trimmer Stud Table-douglas Fir-Larch 4" walls)

12/14/2004

(Number)	Trimmer Size	Comp. Perp Grain		Parallel to Grain, P _c Lbs (133)				
		df-I @ 625 psi		8'	9'	10'	11'	12'
		Per Each		Per Pair (Each Side of Rod)				
1	2 x 4	3,281	6,563	5,560	4,528	3,731	3,116	2,635
1	3 x 4	5,469	10,938	11,272	9,009	7,340	6,084	5,119
1	4 x 4	7,656	15,313	16,845	13,445	10,946	9,067	7,626
1	4 x 6	12,031	24,063	26,349	21,059	17,158	14,222	11,966
1	4 x 8	16,406	32,813	34,554	27,659	22,556	18,707	15,746
1	4 x 10	20,781	41,563	43,832	35,144	28,690	23,811	20,052
1	4 x 12	25,156	50,313	53,309	42,743	34,893	28,959	24,388
2	2 x 4	6,563	13,125	11,121	9,056	7,463	6,232	5,270
3	2 x 4	9,844	19,688	20,289	16,216	13,212	10,951	9,214
4	2 x 4	13,125	26,250	22,242	18,113	14,927	12,464	10,540
5	2 x 4	16,406	32,813	27,803	22,641	18,658	15,580	13,175
6	2 x 4	19,688	39,375	33,364	27,169	22,390	18,696	15,811
7	2 x 4	22,969	45,938	38,925	31,697	26,122	21,812	18,446
			Normal Limit	Connection Limited by Parallel to Grain Load				

"Normal Limit" is Wood Bearing Strength (typically Top and Bottom Plates

"Parallel to Grain" limited by wood bending.