

Post must be pinned at both ends

SPF	8'	9'	10'
2(2x4)	3421	2645	2063
3(2x4)	9845	8390	7100
4(2x4)	14881	11989	9662
2(2x6)	5279	4098	3207
3(2x6)	14932	12787	10868
4(2x6)	25382	23130	20895
5(2x6)	35169	33119	30998
2(2x8)	6855	5336	4184
3(2x8)	19189	16481	14045
4(2x8)	32421	29607	26805
5(2x8)	44787	42233	39588

L/180 total and live load deflection

Loads shown are factored

Multiply LIVE LOAD by 1.5 and DEAD LOAD by 1.25 to get factored.

5 ply post require approved connection detail from an engineer.

Alternately, post can be bolted (load values also increase for bolting, run post in wood works)

Nail spacing shall not exceed 6 times the thickness of the thinnest piece.

All nails shall penetrate through at least 3/4" of the thickness of the last individual piece and nails shall be driven alternately from either face of the built up member

When individual pieces of the built up member are wider than 3 times their thickness, there shall be at least 2 rows or nails across the member width