

# Span Calculation Comparison of SPF's and SPF Basic Floor & Ceiling Joist Construction Applications

## Ceiling Joists Spans (feet-inches)

Deflection:  $l/240$

**20** psf Live Load - **10** psf Dead Load

Spacing →	12" o.c.		SPFs v. SPF (inches)	16" o.c.		SPFs v. SPF (inches)	24" o.c.		SPFs v. SPF (inches)
Grade ↓	SPFs	SPF		SPFs	SPF		SPFs	SPF	
<b>2x6</b>									
1	14-1	14-9	-8"	12-9	12-10	-1"	10-6	10-6	0
2	13-8	14-9	-13"	12-1	12-10	-9"	9-10	10-6	-8"
3	10-8	11-3	-7"	9-3	9-8	-5"	7-6	7-11	-5"
<b>2x8</b>									
1	18-6	18-9	-3"	16-3	16-3	0	13-3	13-3	0
2	17-8	18-9	-13"	15-4	16-3	-11"	12-6	13-3	-9"
3	13-6	14-2	-8"	11-8	12-4	-8"	9-6	10-0	-6"
<b>2x10</b>									
1	22-11	22-11	0	19-10	19-10	0	16-3	16-3	0
2	21-7	22-11	-16"	18-8	19-10	-14"	15-3	16-3	-12"
3	16-5	17-4	-11"	14-3	15-0	-9"	11-8	12-3	-7"
<b>2x12</b>									
1	26-7	26-7	0	23-0	23-0	0	18-10	18-10	0
2	25-0	26-7	-19"	21-8	23-0	-16"	17-8	18-10	-14"
3	19-1	20-1	-12"	16-6	17-5	-11"	13-6	14-3	-9"