

9TH EDITION SPF FLOOR JOIST SPAN TABLES FOR FCCIP TOWNS*

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|--|---------|---------|---------|---|---------|---------|---------|--|---------|---------|---------|
| Floor Joist Sleeping Areas(30psf) | | | | Floor Joist Living Areas(40psf) | | | | | | | |
| | 12"o.c. | 16"o.c. | 24"o.c. | | 12"o.c. | 16"o.c. | 24"o.c. | | | | |
| 2x6 | 11-3 | 10-3 | 8-11 | 2x6 | 10-3 | 9-4 | 8-1 | | | | |
| 2x8 | 14-11 | 13-6 | 11-6 | 2x8 | 13-6 | 12-3 | 10-3 | | | | |
| 2x10 | 19-0 | 17-2 | 14-1 | 2x10 | 17-3 | 15-5 | 12-7 | | | | |
| 2x12 | 23-0 | 19-11 | 16-3 | 2x12 | 20-7 | 17-10 | 14-7 | | | | |
| Decks with No Cantilever(40lb gsl) Leverett, Shutesbury | | | | Decks with No Cantilever(50lb gsl) Ashfield, Conway, Erving, Gill, Shelburne, Whately | | | | Decks with No Cantilever(60lb gsl) Bernardston, Buckland, Charlemont Hawley, Heath, Leyden, Rowe | | | |
| | 12"o.c. | 16"o.c. | 24"o.c. | | 12"o.c. | 16"o.c. | 24"o.c. | | 12"o.c. | 16"o.c. | 24"o.c. |
| 2x6 | 9-11 | 9-0 | 7-7 | 2x6 | 9-2 | 8-4 | 6-11 | 2x6 | 8-8 | 7-10 | 6-5 |
| 2x8 | 13-1 | 11-10 | 9-8 | 2x8 | 12-1 | 10-10 | 8-10 | 2x8 | 11-5 | 10-0 | 8-2 |
| 2x10 | 16-2 | 14-0 | 11-5 | 2x10 | 14-9 | 12-10 | 10-5 | 2x10 | 13-8 | 11-10 | 9-8 |
| 2x12 | 18-0 | 16-6 | 13-6 | 2x12 | 17-5 | 15-1 | 12-4 | 2x12 | 16-1 | 14-0 | 11-5 |
| Decks with Cantilever(40lb gsl) Leverett, Shutesbury | | | | Decks with Cantilever(50lb gsl) Ashfield, Conway, Erving, Gill, Shelburne, Whately | | | | Decks with Cantilever(60lb gsl) Bernardston, Buckland, Charlemont Hawley, Heath, Leyden, Rowe | | | |
| | 12"o.c. | 16"o.c. | 24"o.c. | | 12"o.c. | 16"o.c. | 24"o.c. | | 12"o.c. | 16"o.c. | 24"o.c. |
| 2x6 | 6-8 | 6-8 | 6-8 | 2x6 | 6-1 | 6-1 | 6-1 | 2x6 | 5-10 | 5-10 | 5-8 |
| 2x8 | 10-1 | 10-1 | 9-8 | 2x8 | 9-4 | 9-3 | 8-10 | 2x8 | 8-10 | 8-6 | 8-2 |
| 2x10 | 14-6 | 14-0 | 11-5 | 2x10 | 13-3 | 12-10 | 10-5 | 2x10 | 12-2 | 11-10 | 9-8 |
| 2x12 | 18-0 | 16-6 | 13-6 | 2x12 | 17-5 | 15-1 | 12-4 | 2x12 | 16-1 | 14-0 | 11-5 |
| *Spans for sleeping and living areas were taken from 2015 IRC Joist Tables for 10lb dead load and SPF#2 | | | | | | | | | | | |
| Spans for decks with 40lb ground snow load were taken from 2015 IRC Table R507.5 | | | | | | | | | | | |
| Spans for decks with 50 and 60lb ground snow load with no cantilever were derived from AWC on-line calculator | | | | | | | | | | | |
| Spans for decks with 50 and 60lb ground snow load with cantilever were calculated preportionately and should be verified | | | | | | | | | | | |