

Rafter Spans for Leverett and Shutesbury (40lb gsl) 3 in 12 Pitch or Greater (SPF#2)

**Rafters fastened to ceiling joists
At top of wall**

	12"o.c.	16"o.c.	24"o.c.
2x4	7-6	6-9	5-11
2x6	11-9	10-8	8-9
2x8	15-6	13-6	11-0
2x10	19-1	16-6	13-6
2x12	22-1	19-2	15-7

**Rafter span for Ceil Joist raised
Hc/Hr= 1/3 (.67 multiplier)**

	12"o.c.	16"o.c.	24"o.c.
2x4	5-0	4-6	3-11
2x6	7-10	7-1	5-10
2x8	10-4	9-0	7-4
2x10	12-9	11-0	9-0
2x12	14-9	12-10	10-5

**Rafter span for Ceil Joist raised
Hc/Hr= 1/4 (.76 multiplier)**

	12"o.c.	16"o.c.	24"o.c.
2x4	5-8	5-1	4-5
2x6	8-11	8-1	6-7
2x8	11-9	10-3	8-4
2x10	14-6	12-6	10-3
2x12	16-9	14-6	11-10

**Rafter span for Ceil Joist raised
Hc/Hr= 1/5 (.83 multiplier)**

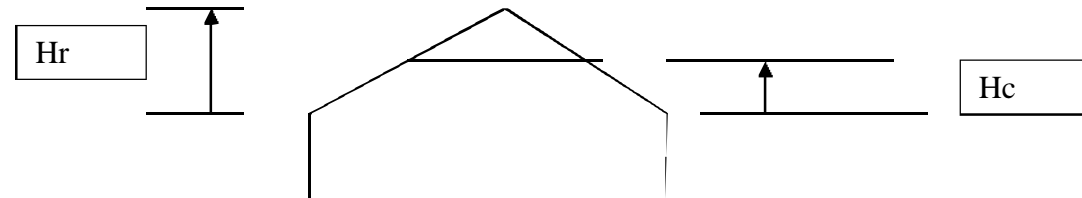
	12"o.c.	16"o.c.	24"o.c.
2x4	6-2	5-7	4-10
2x6	9-9	8-10	7-3
2x8	12-10	11-2	9-1
2x10	15-10	13-8	11-2
2x12	18-3	15-10	12-11

**Rafter span for Ceil Joist raised
Hc/Hr= 1/6 (.9 multiplier)**

	12"o.c.	16"o.c.	24"o.c.
2x4	6-9	6-0	5-3
2x6	10-6	9-7	7-10
2x8	13-11	12-1	9-10
2x10	17-2	14-10	12-1
2x12	19-10	17-3	14-0

**Rafter span for Ceil Joist raised
Hc/Hr= 1/7.5 and less(1.0)**

	12"o.c.	16"o.c.	24"o.c.
2x4	7-6	6-9	5-11
2x6	11-9	10-8	8-9
2x8	15-6	13-6	11-0
2x10	19-1	16-6	13-6
2x12	22-1	19-2	15-7



Rafter Spans for Ashfield, Conway, Erving, Gill, Shelburne, and Whately (50lb gsl) 3 in 12 Pitch or Greater (SPF#2)

**Rafters fastened to ceiling joists
At top of wall**

	12"o.c.	16"o.c.	24"o.c.
2x4	6-11	6-4	5-5
2x6	10-11	9-9	7-11
2x8	14-3	12-4	10-1
2x10	17-5	15-1	12-4
2x12	20-2	17-6	14-3

**Rafter span for Ceil Joist raised
Hc/Hr= 1/3 (.67 multiplier)**

	12"o.c.	16"o.c.	24"o.c.
2x4	4-7	4-2	3-7
2x6	7-3	6-6	5-3
2x8	9-6	8-3	6-9
2x10	11-8	10-1	8-3
2x12	13-6	11-8	9-6

**Rafter span for Ceil Joist raised
Hc/Hr= 1/4 (.76 multiplier)**

	12"o.c.	16"o.c.	24"o.c.
2x4	5-3	4-9	4-1
2x6	8-3	7-4	6-0
2x8	10-9	9-4	7-7
2x10	13-2	11-5	9-4
2x12	15-3	13-3	10-9

**Rafter span for Ceil Joist raised
Hc/Hr= 1/5 (.83 multiplier)**

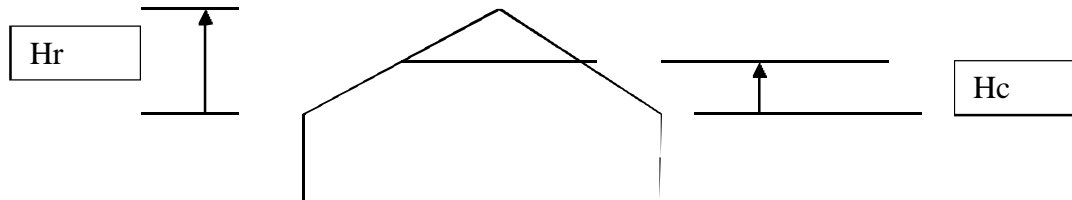
	12"o.c.	16"o.c.	24"o.c.
2x4	5-8	5-3	4-5
2x6	9-0	8-1	6-6
2x8	11-9	10-2	8-4
2x10	14-5	12-6	10-2
2x12	16-8	14-6	11-9

**Rafter span for Ceil Joist raised
Hc/Hr= 1/6 (.9 multiplier)**

	12"o.c.	16"o.c.	24"o.c.
2x4	6-2	5-8	4-10
2x6	9-9	8-9	7-1
2x8	12-9	11-1	9-0
2x10	15-8	13-6	11-1
2x12	18-1	15-9	12-9

**Rafter span for Ceil Joist raised
Hc/Hr= 1/7.5 and less(1.0)**

	12"o.c.	16"o.c.	24"o.c.
2x4	6-11	6-4	5-5
2x6	10-11	9-9	7-11
2x8	14-3	12-4	10-1
2x10	17-5	15-1	12-4
2x12	20-2	17-6	14-3



Rafter Spans for Bernardston, Buckland, Charlemont, Hawley, Heath, Leyden, and Rowe (60lb gsl) 3 in 12 Pitch or Greater (SPF#2)

**Rafters fastened to ceiling joists
At top of wall**

	12"o.c.	16"o.c.	24"o.c.
2x4	6-6	5-11	5-0
2x6	10-3	9-0	7-4
2x8	13-2	11-5	9-4
2x10	16-1	13-11	11-5
2x12	18-8	16-2	13-2

**Rafter span for Ceil Joist raised
Hc/Hr= 1/3 (.67 multiplier)**

	12"o.c.	16"o.c.	24"o.c.
2x4	4-4	3-11	3-4
2x6	6-10	6-0	4-10
2x8	8-9	7-7	6-3
2x10	10-9	9-3	7-7
2x12	12-6	10-10	8-9

**Rafter span for Ceil Joist raised
Hc/Hr= 1/4 (.76 multiplier)**

	12"o.c.	16"o.c.	24"o.c.
2x4	4-11	4-5	3-9
2x6	7-9	6-10	5-6
2x8	10-0	8-8	7-1
2x10	12-2	10-6	8-8
2x12	14-2	12-3	10-0

**Rafter span for Ceil Joist raised
Hc/Hr= 1/5 (.83 multiplier)**

	12"o.c.	16"o.c.	24"o.c.
2x4	5-4	4-10	4-1
2x6	8-6	7-5	6-1
2x8	10-11	9-5	7-8
2x10	13-4	11-6	9-5
2x12	15-5	13-5	10-11

**Rafter span for Ceil Joist raised
Hc/Hr= 1/6 (.9 multiplier)**

	12"o.c.	16"o.c.	24"o.c.
2x4	5-10	5-3	4-6
2x6	9-2	8-1	6-7
2x8	11-10	10-3	8-4
2x10	14-5	12-6	10-3
2x12	16-9	14-6	11-10

**Rafter span for Ceil Joist raised
Hc/Hr= 1/7.5 and less(1.0)**

	12"o.c.	16"o.c.	24"o.c.
2x4	6-6	5-11	5-0
2x6	10-3	9-0	7-4
2x8	13-2	11-5	9-4
2x10	16-1	13-11	11-5
2x12	18-8	16-2	13-2

