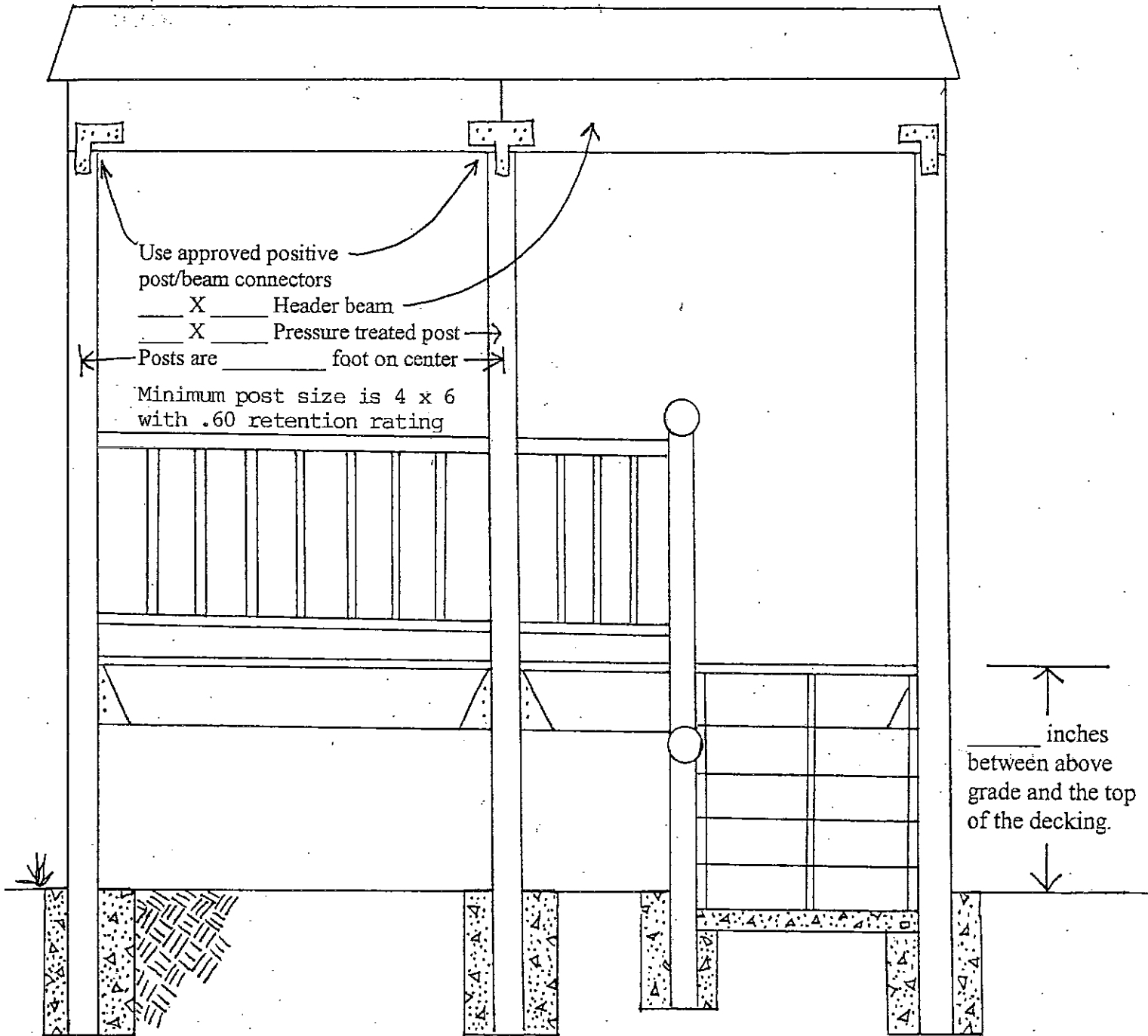


SAMPLE OF A SELF SUPPORTED COVERED PORCH

These plans are provided as a help for small projects. Fill in the blanks with the products you intend to use. These are generalized plans and are not applicable to all projects.



Roofing
Felt
Sheathing

Eave Height _____

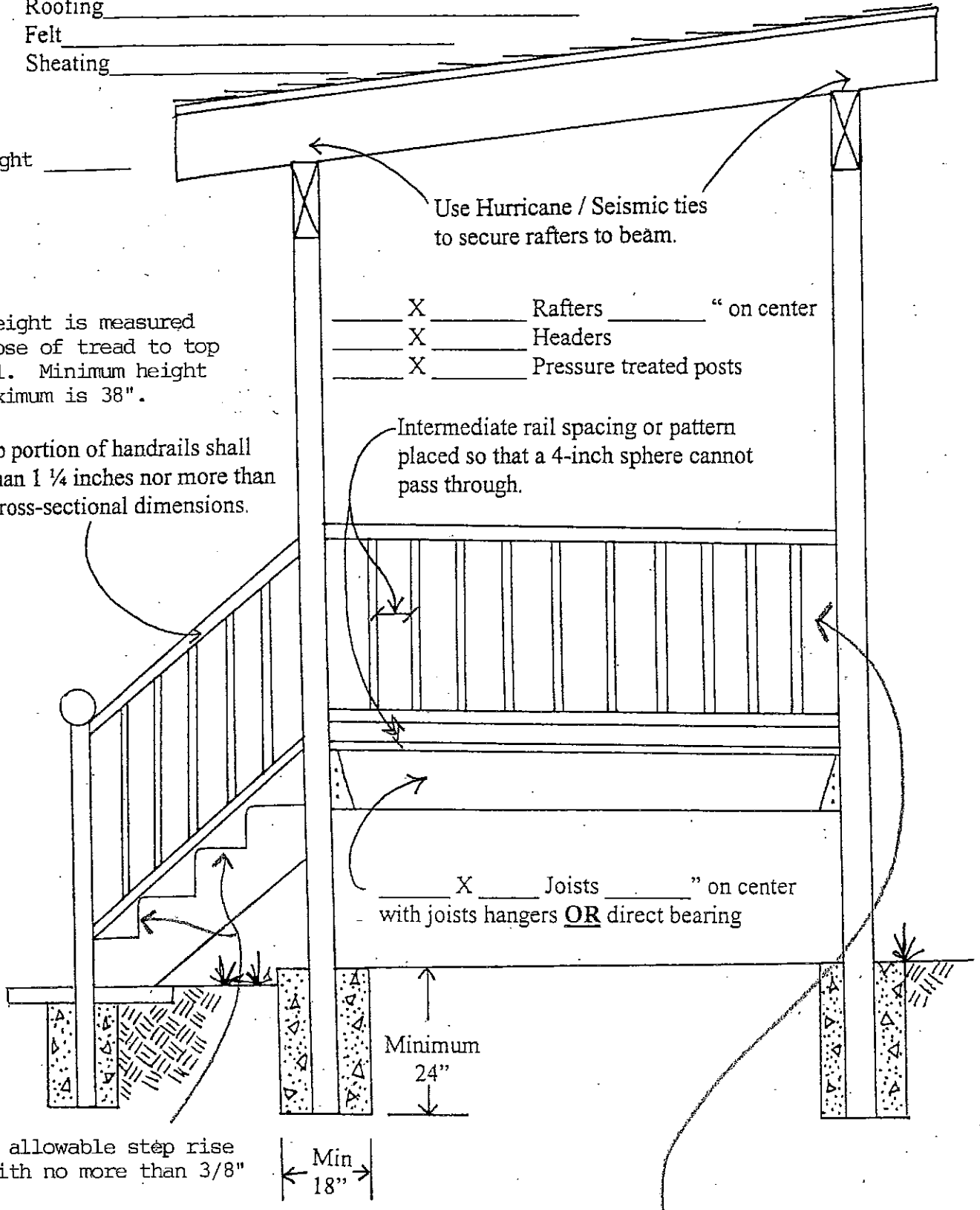
Use Hurricane / Seismic ties
to secure rafters to beam.

Handrail height is measured
from the nose of tread to top
of handrail. Minimum height
is 34", maximum is 38".

_____ X _____ Rafters _____ " on center
_____ X _____ Headers
_____ X _____ Pressure treated posts

The handgrip portion of handrails shall
not be less than 1 1/4 inches nor more than
2 inches in cross-sectional dimensions.

Intermediate rail spacing or pattern
placed so that a 4-inch sphere
cannot pass through.



_____ X _____ Joists _____ " on center
with joists hangers OR direct bearing

Minimum
24"

The maximum allowable step rise
is 7 3/4" with no more than 3/8"
variation.

Min
18"

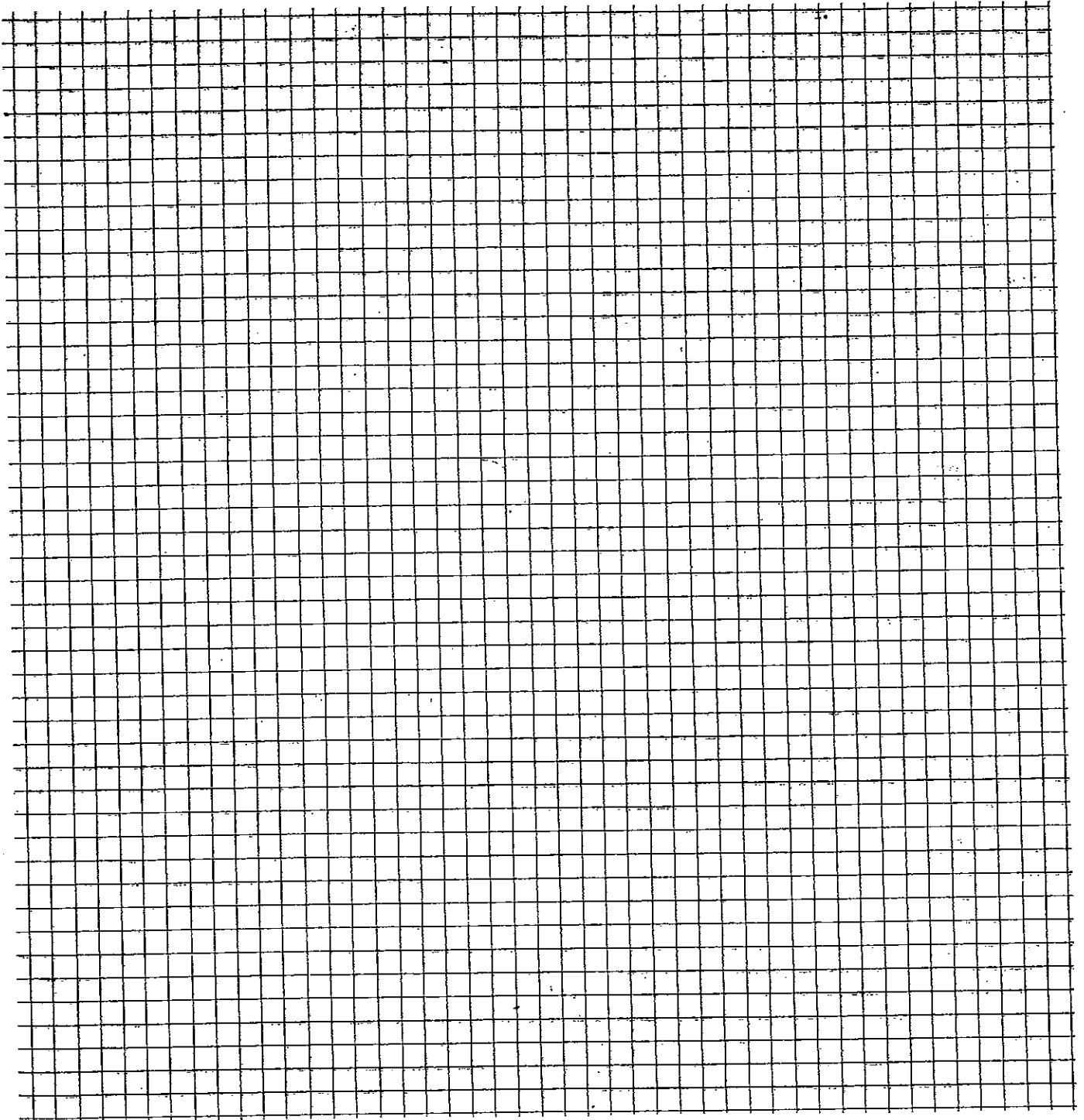
The minimum run is 11" with no
more than 3/8" variation.

Guardrails are required where the fall
hazard is 30" or greater. Minimum
guardrail height is 36"

Note: For exceptions or
alternatives to the run, contact
your Inspector or Plans Examiner.

Follow the instructions below.

1. Diagram the layout of your deck and any existing structures.
2. Show all post locations and stairs.
3. Show the direction of the roof system.



GRANT COUNTY BUILDING/FIRE MARSHAL

WESTERN LUMBER SPAN TABLES

FLOOR JOISTS

40# Live Load, 10# Dead Load, I/360

Residential occupancies include private dwelling, private apartment and hotel guest rooms.

Species or Group	Grade	Span (feet and inches)											
		2 x 6			2 x 8			2 x 10			2 x 12		
		12" oc	16" oc	24" oc	12" oc	16" oc	24" oc	12" oc	16" oc	24" oc	12" oc	16" oc	24" oc
Douglas Fir-Larch	Sel. Struc.	11-4	10-4	9-0	15-0	13-7	11-11	19-7	17-4	15-2	23-3	21-1	18-5
	No. 1 & Btr.	11-2	10-2	8-10	14-8	13-4	11-8	18-9	17-0	14-5	22-10	20-5	16-8
	No. 1	10-11	9-11	8-8	14-5	13-1	11-0	18-5	16-5	13-5	22-0	19-1	15-7
	No. 2	10-9	9-9	8-1	14-2	12-7	10-3	17-9	15-5	12-7	20-7	17-10	14-7
	No. 3	8-8	7-6	6-2	11-0	9-6	7-9	13-5	11-8	9-6	15-7	13-6	11-0
Hem-Fir	Sel. Struc.	10-9	9-9	8-6	14-2	12-10	11-3	18-0	16-5	14-4	21-11	19-13	17-5
	No. 1 & Btr.	10-6	9-6	8-4	13-10	12-7	11-0	17-8	16-0	13-9	21-6	19-6	16-0
	No. 1	10-6	9-6	8-4	13-10	12-7	10-9	17-8	16-0	13-1	21-6	18-7	15-2
	No. 2	10-0	9-1	7-11	13-2	12-0	10-2	16-10	15-2	12-5	20-4	17-7	14-4
	No. 3	8-8	7-6	6-2	11-0	9-6	7-9	13-5	11-8	9-6	15-7	13-6	11-0

ROOF RAFTERS

20# Snow load, 10# Dead load, I/240

Roof slope 3 in 12 or less. Light roof covering. No ceiling finish

Species or Group	Grade	Span (feet and inches)											
		2 x 6			2 x 8			2 x 10			2 x 12		
		12" oc	16" oc	24" oc	12" oc	16" oc	24" oc	12" oc	16" oc	24" oc	12" oc	16" oc	24" oc
Douglas Fir-Larch	Sel. Struc.	16-4	14-11	13-0	21-7	19-7	17-2	27-6	25-0	21-10	33-6	30-5	26-0
	No. 1 & Btr.	16-1	14-7	12-9	21-2	19-3	16-4	27-1	24-5	19-11	32-8	28-4	23-1
	No. 1	15-9	14-4	12-0	20-10	18-8	15-3	26-4	22-9	18-7	30-6	26-5	21-7
	No. 2	15-6	13-9	11-3	20-2	17-5	14-3	24-7	21-4	17-5	28-6	24-8	20-2
	No. 3	12-0	10-5	8-6	15-3	13-2	10-9	18-7	16-1	13-2	21-7	18-8	15-3
Hem-Fir	Sel. Struc.	15-6	14-1	12-3	20-5	18-6	16-2	26-0	23-8	20-8	31-8	28-9	25-1
	No. 1 & Btr.	15-2	13-9	12-0	19-11	18-2	15-7	25-5	23-2	19-1	30-11	27-1	22-1
	No. 1	15-2	13-9	11-9	19-11	18-2	14-10	25-5	22-2	18-1	29-9	25-9	21-0
	No. 2	14-5	13-1	11-1	19-0	17-2	14-0	24-3	21-0	17-2	28-1	24-4	19-11
	No. 3	12-0	10-5	8-6	15-3	13-2	10-9	18-7	16-1	13-2	21-7	18-8	15-3

CEILING JOISTS

10# Live load, 5# Dead Load, I/240

Use these loading conditions for the following: No attic storage. Ceiling where the roof pitch is not steeper than 3 in 12. Drywall ceilings.

Species or Group	Grade	Span (feet and inches)											
		2 x 4			2 x 6			2 x 8			2 x 10		
		12" oc	16" oc	24" oc	12" oc	16" oc	24" oc	12" oc	16" oc	24" oc	12" oc	16" oc	24" oc
Douglas Fir-Larch	Sel. Struc.	11-6	10-5	9-1	18-0	16-4	14-4	23-9	21-7	18-10	30-4	27-6	24-1
	No. 1 & Btr.	11-3	10-3	8-11	17-8	16-1	14-1	23-4	21-2	18-6	29-9	27-1	22-9
	No. 1	11-1	10-0	8-9	17-4	15-9	13-9	22-11	20-10	17-5	29-2	26-0	21-3
	No. 2	10-10	9-10	8-7	17-0	15-6	12-10	22-5	19-11	16-3	28-1	24-4	19-10
	No. 3	9-5	8-2	6-8	13-9	11-11	9-8	17-5	15-1	12-4	21-3	18-5	15-0
Hem-Fir	Sel. Struc.	10-10	9-10	8-7	17-0	15-6	13-6	22-5	20-5	17-10	28-7	26-0	22-9
	No. 1 & Btr.	10-7	9-8	8-5	16-8	15-2	13-3	21-11	19-11	17-5	28-0	25-5	21-9
	No. 1	10-7	9-8	8-5	16-8	15-2	13-3	21-11	19-11	16-11	28-0	25-4	20-8
	No. 2	10-1	9-2	8-0	15-11	14-5	12-7	20-11	19-0	16-0	26-9	24-0	19-7
	No. 3	9-5	8-2	6-8	13-9	11-11	9-8	17-5	15-1	12-4	21-3	18-5	15-0