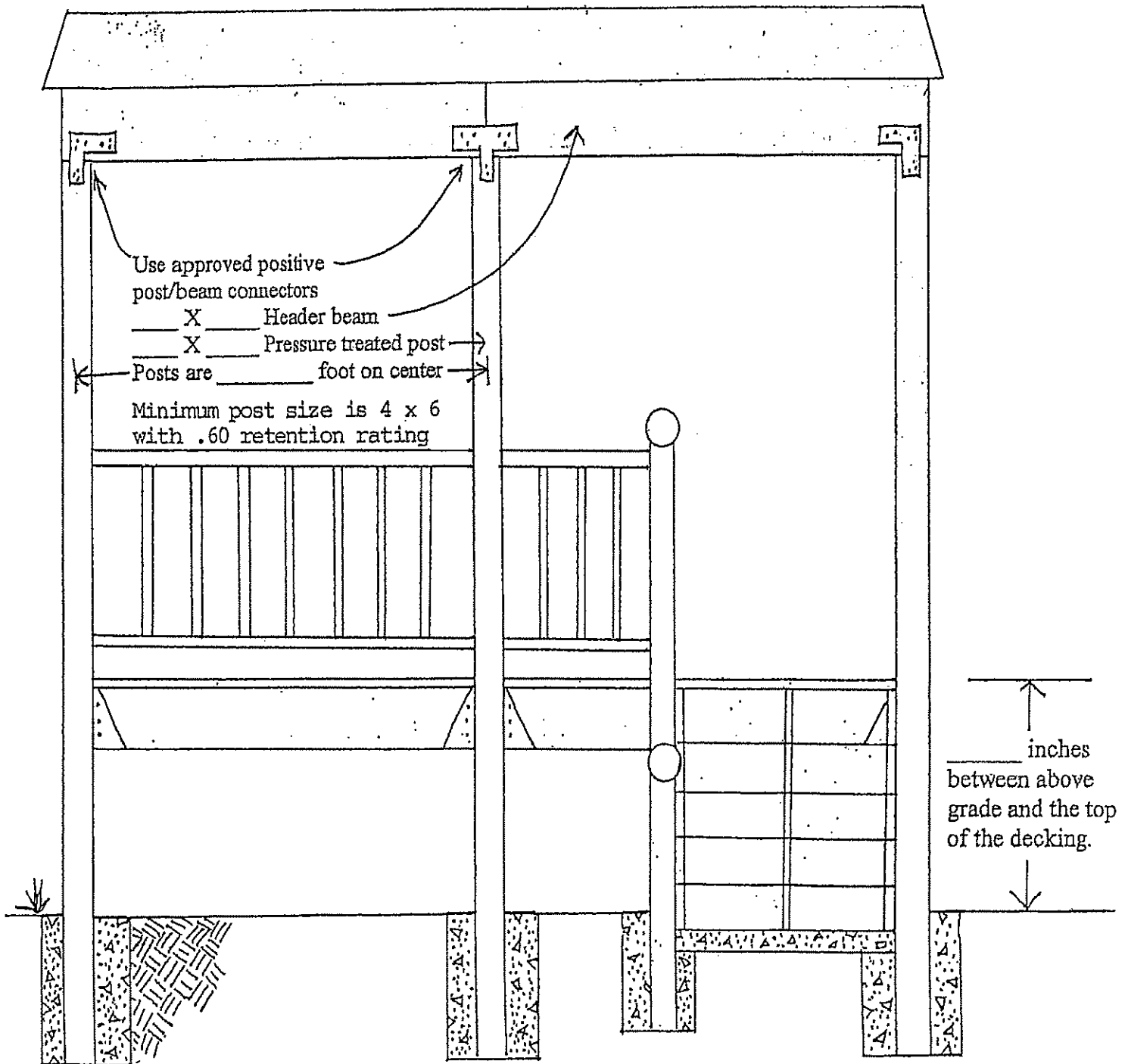


# SAMPLE OF A SELF SUPPORTED COVERED PORCH

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.

X \_\_\_\_\_ Rafters \_\_\_\_\_ " on center  
X \_\_\_\_\_ Headers  
X \_\_\_\_\_ Pressure treated posts

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

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"

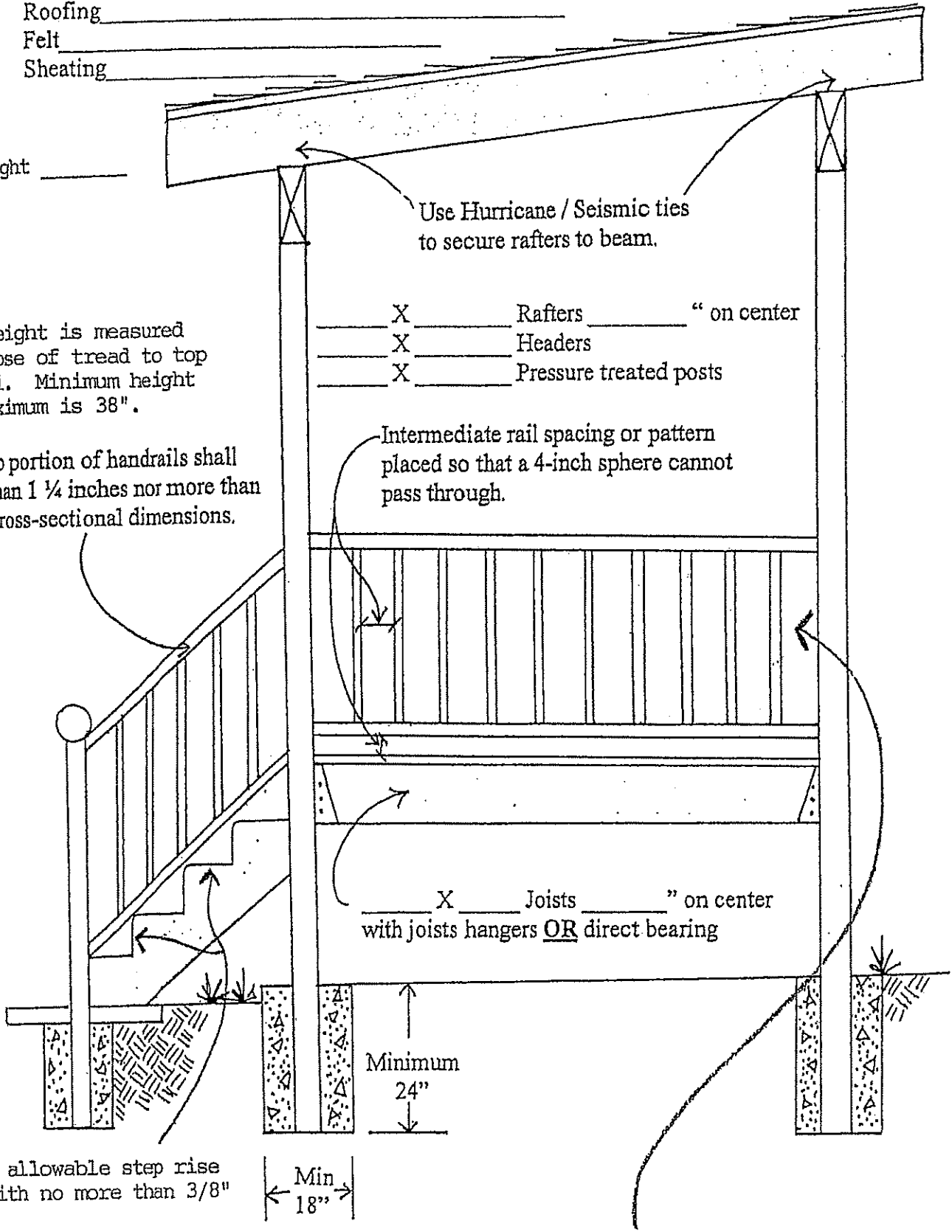
Min 18"

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

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

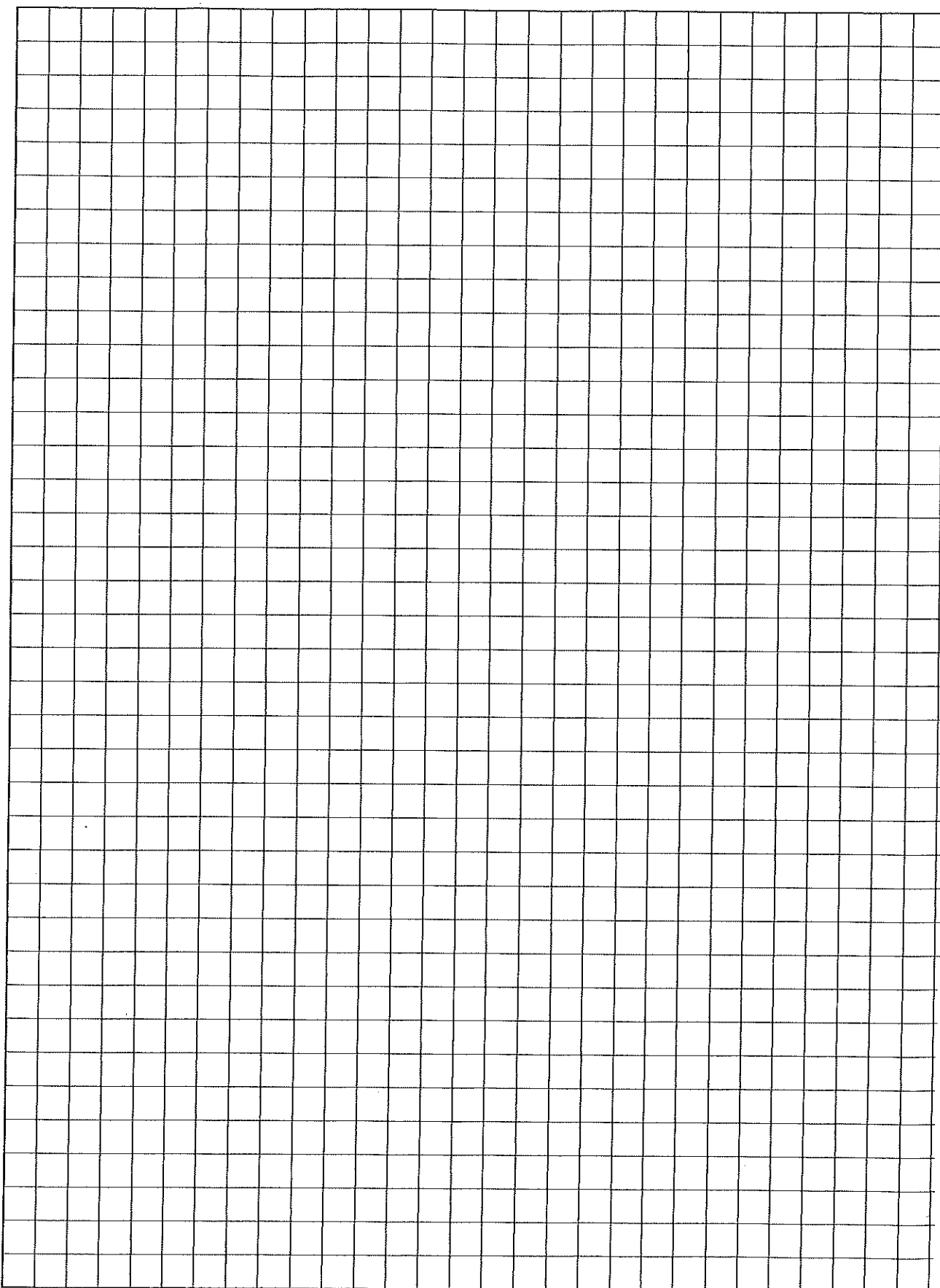
Note: For exceptions or alternatives to the run, contact your Inspector or Plans Examiner.

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



# 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.



# Adams County Building Department

## FLOOR JOISTS

**40# LIVE LOAD 10# DEAD LOAD L/360**

Table FJ-3

**Design Criteria:** Strength - 40 lbs. per sq. ft. live load, plus 10 lbs. per sq. ft. dead load.  
Deflection - Limited in span in inches divided by 360 for live load only.

Species or Group		Grade	Span (feet and inches)															
			2 x 6				2 x 8				2 x 10				2 x 12			
			spacing on center															
		12"	16"	18.2"	24"	12"	16"	18.2"	24"	12"	16"	18.2"	24"	12"	16"	18.2"	24"	
Douglas Fir-Larch	Sel. Struc.	11-4	10-4	9-8	9-0	15-0	13-7	12-10	11-11	18-1	17-4	16-4	15-2	23-3	21-1	19-10	18-5	
	No.1 & Btr.	11-2	10-2	9-6	8-10	14-8	13-4	12-7	11-0	18-9	17-0	16-0	14-9	22-10	20-9	19-1	17-1	
	No.2	10-11	9-11	9-4	8-8	14-5	13-1	12-4	11-0	18-5	16-5	15-0	13-5	22-0	19-1	17-5	15-7	
	No.3	10-9	9-9	9-2	8-3	14-2	12-9	11-8	10-5	18-0	16-7	14-3	12-9	20-11	18-1	16-6	14-9	
Douglas Fir-South	Sel. Struc.	10-3	9-4	8-9	8-2	13-6	12-3	11-7	10-9	17-3	16-8	14-9	13-8	21-0	19-1	17-11	16-8	
	No.1	10-0	9-1	8-7	7-11	13-2	12-0	11-3	10-6	16-10	15-3	14-5	12-11	20-6	18-4	16-9	15-0	
	No.2	9-9	8-10	8-4	7-9	12-10	11-8	11-0	10-2	16-5	14-11	13-10	12-5	19-11	17-7	16-1	14-4	
	No.3	8-8	7-6	6-10	6-2	11-0	9-6	8-8	7-9	13-5	11-8	10-7	9-6	15-7	13-6	12-4	11-0	
Hem-Fir	Sel. Struc.	10-9	9-9	9-2	8-6	14-2	12-10	12-1	11-3	18-0	16-5	15-5	14-4	21-11	19-11	18-9	17-5	
	No.1 & Btr.	10-6	9-6	9-0	8-4	13-10	12-7	11-10	11-0	17-8	16-0	15-1	14-0	21-8	19-6	18-3	16-4	
	No.2	10-6	9-6	9-0	8-4	13-10	12-7	11-10	10-10	17-8	16-0	14-10	13-3	21-6	18-10	17-2	15-5	
	No.3	10-0	9-1	8-7	7-11	13-2	12-0	11-3	10-2	16-10	15-2	13-10	12-5	20-4	17-7	16-1	14-4	
Spruce-Pine-Fir (South)	Sel. Struc.	10-0	9-1	8-7	7-11	13-2	12-0	11-3	10-6	16-10	15-3	14-5	13-4	20-6	18-7	17-6	16-3	
	No.1	9-9	8-10	8-4	7-9	12-10	11-8	11-0	10-2	16-5	14-11	14-0	12-7	19-11	17-10	16-3	14-7	
	No.2	9-6	8-7	8-1	7-6	12-6	11-4	10-8	9-8	15-11	14-6	13-3	11-10	19-4	16-10	15-4	13-9	
	No.3	8-3	7-2	6-6	5-10	10-5	9-0	8-3	7-5	12-9	11-0	10-1	9-0	14-9	12-10	11-8	10-5	
Western Woods	Sel. Struc.	9-9	8-10	8-4	7-9	12-10	11-8	11-0	10-2	16-5	14-11	14-0	12-9	19-11	18-1	16-6	14-9	
	No.1	9-6	8-7	8-0	7-2	12-6	11-1	10-1	9-0	15-7	13-6	12-4	11-0	18-1	15-8	14-4	12-10	
	No.2	9-2	8-4	7-10	7-2	12-1	11-0	10-1	9-0	15-5	13-6	12-4	11-0	18-1	15-8	14-4	12-10	
	No.3	7-6	6-6	5-11	5-4	9-6	8-3	7-6	6-9	11-8	10-1	9-2	8-3	13-6	11-8	10-8	9-6	

## ROOF RAFTERS

**30# SNOW LOAD 10# DEAD LOAD L/240**

Table RR-10

**Design Criteria:** Strength - 30 lbs. per sq. ft. snow load, plus 10 lbs. per sq. ft. dead load.  
Deflection - Limited in span in inches divided by 240 for live load only.

Species or Group		Grade	Span (feet and inches)															
			2 x 6				2 x 8				2 x 10				2 x 12			
			spacing on center															
		12"	16"	19.2"	24"	12"	16"	19.2"	24"	12"	16"	19.2"	24"	12"	16"	19.2"	24"	
Douglas Fir-Larch	Sel. Struc.	14-4	13-0	12-3	11-4	18-10	17-2	16-1	15-0	24-1	21-10	20-7	19-1	29-3	26-7	25-0	22-10	
	No.1 & Btr.	14-1	12-9	12-0	11-2	18-6	16-10	15-10	14-5	23-8	21-6	19-9	17-8	28-9	25-1	22-10	20-5	
	No.2	13-9	12-6	11-8	10-5	18-2	16-2	14-9	13-2	22-9	19-9	18-0	16-1	26-5	22-10	20-11	18-8	
	No.3	13-6	12-1	11-0	9-10	17-8	15-4	14-0	12-6	21-7	18-9	17-1	15-3	25-1	21-8	19-10	17-9	
Douglas Fir-South	Sel. Struc.	12-11	11-9	11-1	10-3	17-0	15-6	14-7	13-6	21-9	19-9	18-7	17-3	26-5	24-0	22-7	21-0	
	No.1	12-7	11-5	10-9	10-0	16-7	15-1	14-2	12-8	21-2	19-0	17-4	15-6	25-5	22-0	20-1	18-0	
	No.2	12-3	11-2	10-6	9-7	16-2	14-8	13-7	12-2	20-8	18-2	16-7	14-10	24-4	21-1	19-3	17-3	
	No.3	10-5	9-0	8-3	7-4	13-2	11-5	10-5	9-4	16-1	13-11	12-9	11-5	18-8	16-2	14-9	13-2	
Hem-Fir	Sel. Struc.	13-6	12-3	11-7	10-9	17-10	16-2	15-3	14-2	22-9	20-8	19-5	18-0	27-8	25-1	23-7	21-11	
	No.1 & Btr.	13-3	12-0	11-4	10-6	17-5	15-10	14-11	13-10	22-3	20-2	18-11	16-11	27-1	24-0	21-11	19-7	
	No.2	13-3	12-0	11-4	10-3	17-5	15-10	14-7	13-0	22-3	19-6	17-9	15-11	26-1	22-7	20-7	18-5	
	No.3	12-7	11-5	10-9	9-7	16-7	14-11	13-7	12-2	21-0	18-2	16-7	14-10	24-4	21-1	19-3	17-3	
Spruce-Pine-Fir (South)	Sel. Struc.	12-7	11-5	10-9	10-0	16-7	15-1	14-2	13-2	21-2	19-3	18-1	16-10	25-9	23-5	22-1	20-6	
	No.1	12-3	11-2	10-6	9-9	16-2	14-8	13-9	12-4	20-8	18-5	16-10	15-1	24-8	21-5	19-6	17-6	
	No.2	11-11	10-10	10-2	9-2	15-9	14-3	13-0	11-7	20-1	17-4	15-10	14-2	23-3	20-2	18-5	16-5	
	No.3	9-10	8-7	7-10	7-0	12-6	10-10	9-11	8-10	15-3	13-3	12-1	10-10	17-9	15-4	14-0	12-6	
Western Woods	Sel. Struc.	12-3	11-2	10-6	9-9	16-2	14-8	13-10	12-6	20-8	18-9	17-1	15-3	25-1	21-8	19-10	17-9	
	No.1	11-11	10-6	9-7	8-7	15-4	13-3	12-1	10-10	18-9	16-2	14-10	13-3	21-8	18-9	17-2	15-4	
	No.2	11-7	10-6	9-7	8-7	15-3	13-3	12-1	10-10	18-9	16-2	14-10	13-3	21-8	18-9	17-2	15-4	
	No.3	9-0	7-10	7-2	6-4	11-5	9-11	9-0	8-1	13-11	12-1	11-0	9-10	16-2	14-0	12-9	11-5	

**CEILING JOISTS**

**10# LIVE LOAD 5# DEAD LOAD L/240**

Table C.J-4

**Design Criteria:** Strength - 10 lbs. per sq. ft. live load, plus 5 lbs. per sq. ft. dead load.  
 Deflection - Limited in span in inches divided by 240 for live load only.

Species or Group		Grade		Span (feet and inches)															
				2 x 4				2 x 6				2 x 8				2 x 10			
				spacing on center															
12"	16"	19.2"	24"	12"	16"	19.2"	24"	12"	16"	19.2"	24"	12"	16"	19.2"	24"				
Douglas Fir- Larch	Sel. Struc.	13-2	11-11	11-3	10-5	20-8	18-9	17-8	16-4	27-2	24-8	23-3	21-7	34-8	31-6	29-8	27-6		
	No.1 & Btr.	12-11	11-9	11-0	10-3	20-3	18-5	17-4	16-1	26-9	24-3	22-10	21-2	34-1	31-0	29-2	26-10		
	No.1	12-8	11-6	10-10	10-0	19-11	18-1	17-0	15-9	26-2	23-10	22-5	20-1	33-5	30-0	27-5	24-6		
	No.2	12-5	11-3	10-7	9-10	19-6	17-8	16-8	15-0	25-8	23-4	21-4	19-1	32-9	28-6	26-0	23-3		
	No.3	11-1	9-7	8-9	7-10	16-3	14-1	12-10	11-6	20-7	17-10	16-3	14-7	25-2	21-9	19-10	17-9		
Douglas Fir- South	Sel. Struc.	11-10	10-9	10-2	9-5	18-8	16-11	15-11	14-9	24-7	22-4	21-0	19-6	31-4	28-6	26-10	24-10		
	No.1	11-7	10-6	9-11	9-2	18-2	16-6	15-7	14-5	24-0	21-9	20-6	19-0	30-7	27-9	26-2	23-7		
	No.2	11-3	10-3	9-8	8-11	17-8	16-1	15-2	14-1	23-4	21-2	19-11	18-6	29-9	27-1	25-3	22-7		
	No.3	10-10	9-5	8-7	7-8	15-10	13-9	12-6	11-2	20-1	17-5	15-10	14-2	24-6	21-3	19-5	17-4		
Hem-Fir	Sel. Struc.	12-5	11-3	10-7	9-10	19-6	17-8	16-8	15-6	25-8	23-4	21-11	20-5	32-9	29-9	28-0	26-0		
	No.1 & Btr.	12-2	11-0	10-4	9-8	19-1	17-4	16-4	15-2	25-2	22-10	21-6	19-11	32-1	29-2	27-5	25-5		
	No.1	12-2	11-0	10-4	9-8	19-1	17-4	16-4	15-2	25-2	22-10	21-6	19-10	32-1	29-2	27-1	24-3		
	No.2	11-7	10-6	9-11	9-2	18-2	16-6	15-7	14-5	24-0	21-9	20-6	18-6	30-7	27-8	25-3	22-7		
	No.3	10-10	9-5	8-7	7-8	15-10	13-9	12-6	11-2	20-1	17-5	15-10	14-2	24-6	21-3	19-5	17-4		
Spruce- Pine-Fir South	Sel. Struc.	11-7	10-6	9-11	9-2	18-2	16-6	15-7	14-5	24-0	21-9	20-6	19-0	30-7	27-9	26-2	24-3		
	No.1	11-3	10-3	9-8	8-11	17-8	16-1	15-2	14-1	23-4	21-2	19-11	18-6	29-9	27-1	25-5	22-11		
	No.2	10-11	9-11	9-4	8-8	17-2	15-7	14-8	13-8	22-8	20-7	19-5	17-8	28-11	26-3	24-2	21-7		
	No.3	10-3	8-11	8-2	7-3	15-0	13-0	11-11	10-8	19-1	16-6	15-1	13-6	23-3	20-2	18-5	16-5		
Western Woods	Sel. Struc.	11-3	10-3	9-8	8-11	17-8	16-1	15-2	14-1	23-4	21-2	19-11	18-6	29-9	27-1	25-5	23-3		
	No.1	10-11	9-11	9-4	8-8	17-2	15-7	14-7	13-0	22-8	20-2	18-5	16-6	28-6	24-8	22-6	20-2		
	No.2	10-7	9-8	9-1	8-5	16-8	15-2	14-3	13-0	21-11	19-11	18-6	16-6	28-0	24-8	22-6	20-2		
	No.3	9-5	8-2	7-5	6-8	13-9	11-11	10-10	9-8	17-5	15-1	13-9	12-4	21-3	18-5	16-9	15-0		