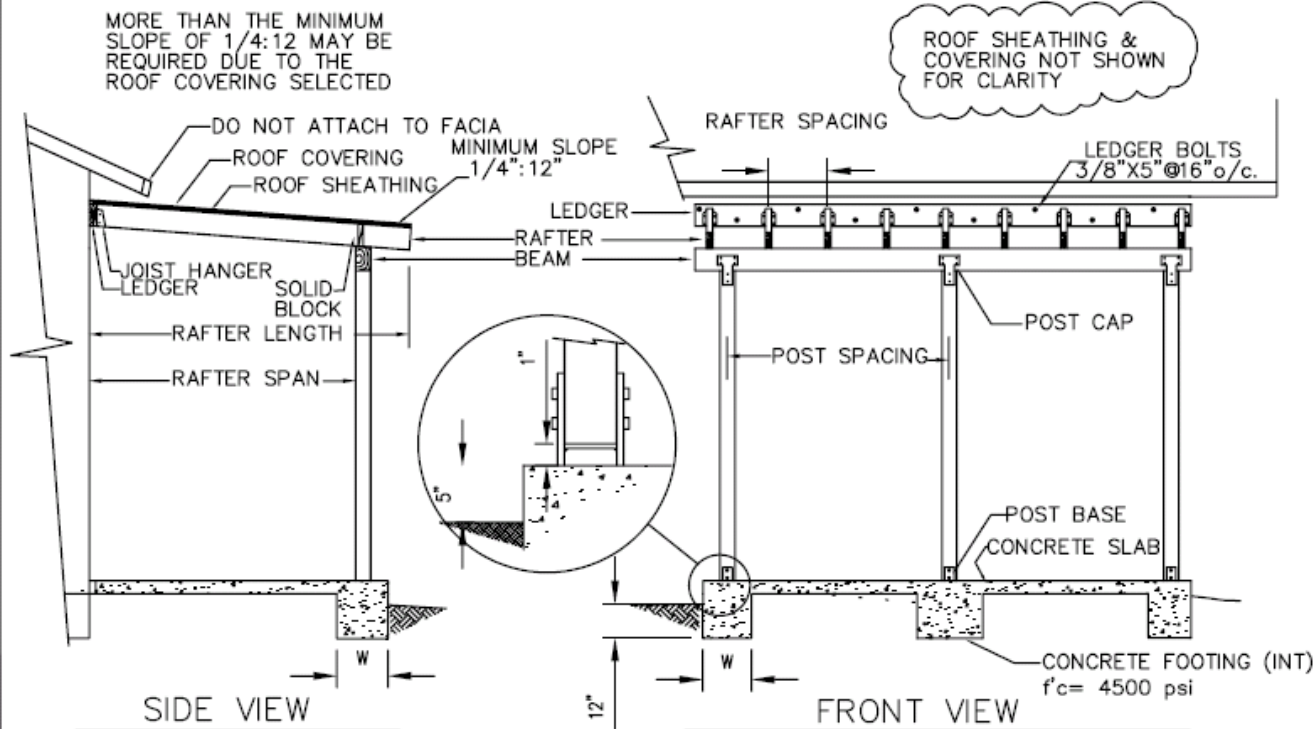


City of La Grande/Union County Building Department - PO Box 670 - 1000 Adams Avenue - La Grande, OR 97850 -
 1-541-962-1317 · 541-663-8106 (F) · 1(866) 813-8105 lgbuilding@cityoflagrande.org

SFR - COVERED PATIO HEAVY ROOFING MATERIAL



SIDE VIEW

FRONT VIEW

RAFTER SPAN		
Using Douglas Fir #2 Grading Agency WWPA, WCLIB		
Size	Spacing	Tile Roofing Max. Span
2x4	12"	10' - 2"
	16"	8' - 9"
	24"	7' - 2"
2x6	12"	14' - 10"
	16"	12' - 10"
	24"	10' - 6"
2x8	12"	18' - 9"
	16"	16' - 3"
	24"	13' - 3"
2x10	12"	22' - 11"
	16"	19' - 10"
	24"	16' - 3"

BEAM SIZE								
Using Douglas Fir #2 Grading Agency WWPA, WCLIB								
Rafter Span with 1'-6" Overhang								
Post Spacing	8'	9'	10'	11'	12'	13'	14'	15'
8'	4x6							
9'								
10'			4x8					
11'								
12'				4x10				
13'								
14'				4x12				
15'							4x14	

FOOTING SIZE IN SQUARE INCHES									
Rafter Span with 1'-6" Overhang									
Post Spacing		8	9	10	11	12	13	14	15
8	Ext	Slab	Slab	12	12	12	12	14	14
	Int	14	16	16	16	18	18	18	18
9	Ext	12	12	12	12	14	14	14	14
	Int	16	16	16	18	18	18	20	20
10	Ext	12	12	12	14	14	14	14	14
	Int	16	18	18	18	20	20	20	20
11	Ext	12	12	14	14	14	14	16	16
	Int	18	18	18	20	20	20	24	24
12	Ext	12	14	14	14	14	16	16	16
	Int	18	18	20	20	20	24	24	24
13	Ext	14	14	14	16	16	16	16	16
	Int	18	20	20	20	24	24	24	24
14	Ext	14	14	16	16	16	16	18	18
	Int	20	20	20	24	24	24	24	24
15	Ext	14	16	16	16	16	18	18	18
	Int	20	20	24	24	24	24	24	24

Owner: _____

Address: _____

Dimension: _____ x _____ Ledger Size: _____ x _____

Rafter Size: _____ x _____ Spacing: _____ o/c

Post Size: _____ x _____ Spacing: _____ o/c

Beam Size: _____ x _____ Rafter Span: _____

Roof Sheathing: _____

Roof Covering: _____

Design Live Load 10 psf
 Roof Dead Load 20 psf for tile
 Live Load Deflection L/240, Max Soil Bearing Pressure 1000 psf