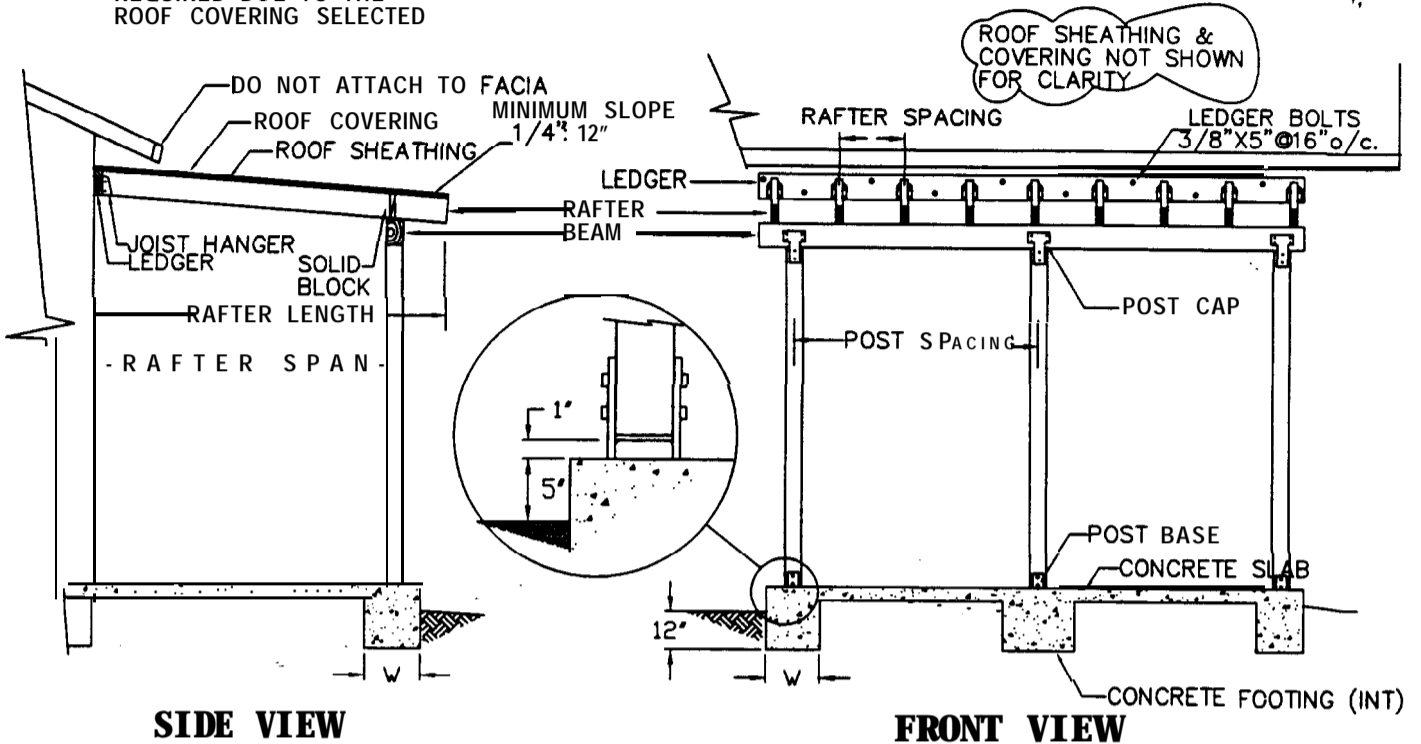


HEAVY ROOFING MATERIAL

MORE THAN THE MINIMUM
SLOPE OF 1/4" : 12" MAY BE
REQUIRED DUE TO THE
ROOF COVERING SELECTED



SIDE VIEW

FRONT VIEW

RAFTER SPAN		
Using Douglas Fir #2 Grading Agency WWSA, 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 WWSA, WCLIB
Rafter Span with 1'- 6" Overhang

Post Spacing	8'	9'	10'	11'	12'	13'	14'	15'
8'		4x6						
9'			4x8					
10'				4x8				
11'					4x10			
12'						4x10		
13'							4x12	
14'								4x14
15'								

FOOTING SIZE IN SQUARE INCHES

Post Spacing	Rafter Span with 1'-6" Overhang								
	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 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