

**REFER TO LOCAL BUILDING CODE OR UBC FOR DESIGN REQUIREMENTS OF LIVE LOAD AND OTHER LOADS.**

**ROOFING**

Built-up 1-15 lb. & 1-90 lb. ....	1.7 psf
Built-up 3-15 lb. & 1-90 lb. ....	2.2 psf
3 Ply and Gravel .....	5.6 psf
4 Ply and Gravel .....	6.0 psf
5 Ply and Gravel .....	6.5 psf
Torch Roof .....	2.5 psf
Asbestos - Cement Shingles .....	4.0 psf
Wood Shingles .....	3.0 psf
Asphalt Shingles .....	2.5 psf
Clay Tile .....	10.0 to 20.0 psf
Ludowici Tile .....	10.0 psf
Roman Tile .....	12.0 psf
Spanish Tile .....	19.0 psf
Corrugated Galvanized Steel	
16 Ga. ....	2.9 psf
20 Ga. ....	1.8 psf
22 Ga. ....	1.5 psf
24 Ga. ....	1.3 psf

**DOUGLAS FIR SHEATHING (Based on 36 pcf)**

3/8 in. Plywood .....	1.1 psf
1/2 in. Plywood .....	1.5 psf
5/8 in. Plywood .....	1.9 psf
3/4 in. Plywood .....	2.3 psf
7/8 in. Plywood .....	2.7 psf
1 in. Plywood .....	3.0 psf
1-1/8 in. Plywood .....	3.4 psf
1 in. (nominal) Sheathing .....	2.3 psf
2 in. (nominal) Decking .....	4.5 psf
3 in. (nominal) Decking .....	7.5 psf
4 in. (nominal) Decking .....	10.5 psf

**RIGID INSULATION**

Rigid Fiberglass (1 in. thick) .....	1.5 psf
Fiberboard (1 in. thick) .....	1.5 psf
Styrofoam (1 in. thick) .....	0.2 psf
Perlite or Foamglass (1 in. thick) .....	0.8 psf

**ROLL OR BATT INSULATION**

Alpol (1 in. thick) .....	0.1 psf
Rock Wool (1 in. thick) .....	0.2 psf
Glass Wool (1 in. thick) .....	0.3 psf

**APPROXIMATE WEIGHT OF WEB JOIST**

Version 1 truss .....	4.0 plf
Version 2 truss .....	7.0 plf

**FLOORS**

Hardwood (1 in. nominal) .....	4.0 psf
Concrete (1 in. thick):	
Regular .....	12.0 psf
Lightweight .....	6.0 to 10.0 psf
Linoleum or Soft Tile .....	1.5 psf
3/4 in. Ceramic Tile & 1/2: Mortar .....	16.0 psf
Carpet and Pad .....	2.0 psf
Gyp-Crete (3/4 in. thick) .....	6.5 psf

**CEILING**

Acoustical fiber tile .....	1.0 psf
1/2 in. Gypsum Board .....	2.2 psf
5/8 in. Gypsum Board .....	2.8 psf
Plaster (1 in. thick) with lath .....	10.0 psf
Suspended Tile and Metal T-Bar .....	1.8 psf
Suspended Tile and Wood Frame .....	2.5 psf
Stucco (7/8 in. thick) .....	10.0 psf

**DOUGLAS FIR FRAMING MEMBERS**

NOMINAL SIZE	JOIST OR STUD SPACING		
	12 in.	16 in.	24 in.
2x4	1.4 psf	1.1 psf	0.7 psf
2x6	2.2 psf	1.7 psf	1.1 psf
2x8	2.9 psf	2.2 psf	1.5 psf
2x10	3.7 psf	2.8 psf	1.9 psf
2x12	4.4 psf	3.3 psf	2.2 psf
3x4	2.2 plf	4x4	3.1 plf
3x6	3.5 plf	4x6	4.9 plf
6x6	7.6 plf	4x8	6.4 plf
6x8	10.4 plf	4x10	8.1 plf
6x10	13.1 plf	4x12	9.9 plf

**WEIGHT OF SPRINKLER LINES\***

PIPE SIZE	SCHEDULE 10 THIN WALL		SCHEDULE 40 STANDARD PIPE	
	Dry plf	Wet plf	Dry plf	Wet plf
1.00"	1.4	1.8	1.7	2.1
1.25"	1.8	2.5	2.3	2.9
1.50"	2.1	3.0	2.7	3.6
2.00"	2.6	4.2	3.7	5.1
2.50"	3.5	5.9	5.8	7.9
3.00"	4.3	8.0	7.6	10.8
3.50"	5.0	9.8	9.2	13.4
4.00"	5.6	11.8	10.8	16.3
5.00"	7.8	17.3	14.6	23.3
6.00"	12.9	26.7	19.0	31.5
8.00"	16.9	40.5	28.6	50.8
10.0"	21.2	58.1	40.6	74.6

\*We strongly urge you to use a minimum of 2 psf for general sprinkler area (small lines & heads). The trusses will be designed for actual weight of main lines based on plf and hanger spacing (extra trusses may be needed).

**We strongly urge you to use a minimum of 1.5 psf for 'miscellaneous' with all dead load calculations.**