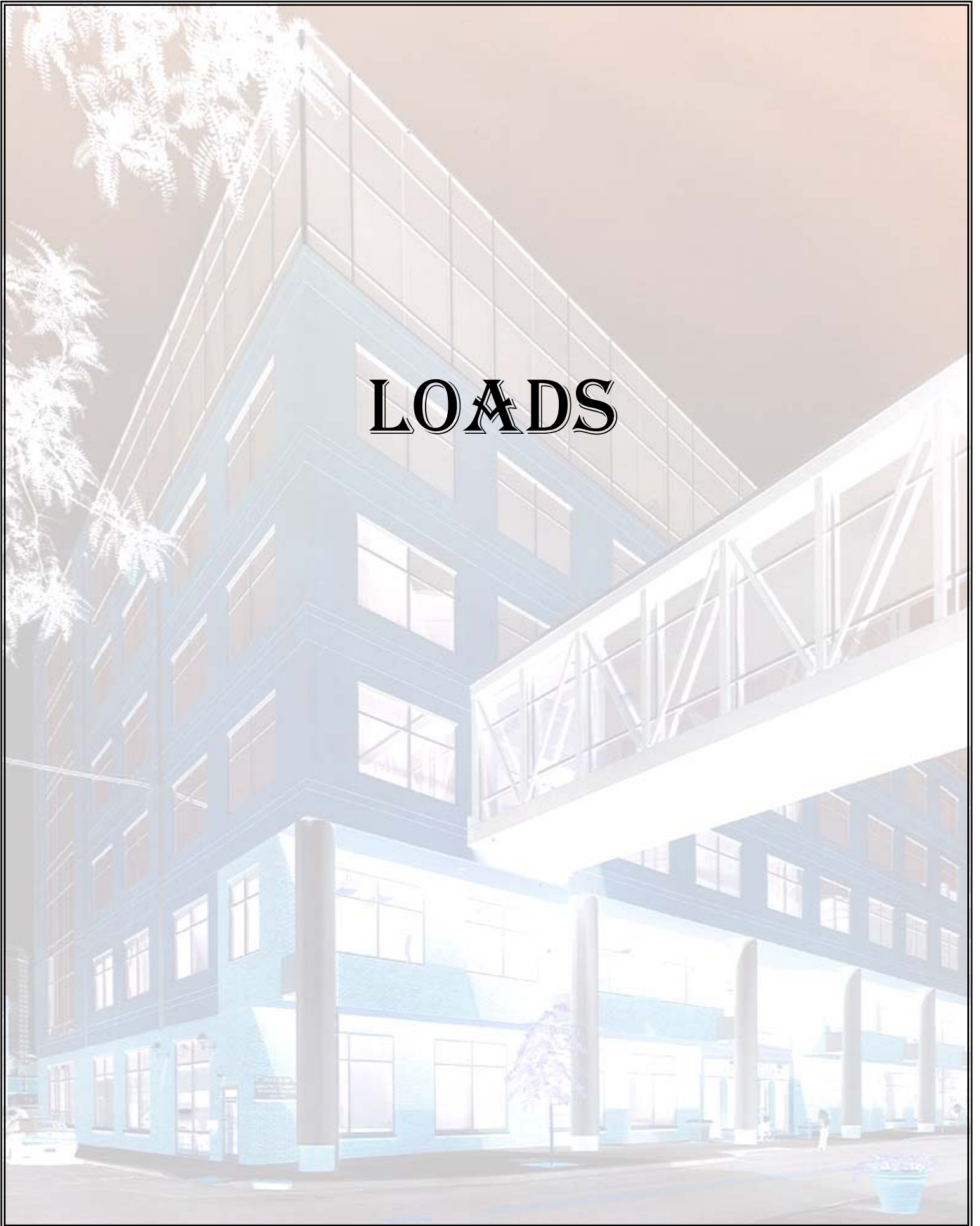


LOADS



General:

	Loads(psf)
Live:	
Office floor	50
Corridors	80
Lobbies & Stairs	100
Roof	20
Snow	20
Dead:	
Floor	103
Partitions	20
Ceiling	2
MEP	5
Misc.	2
Total:	132
Roof Dead:	102

Table 1: Gravity Loads

Wind:

$P=qGCp - qi(GCpi)$						
height	Windward		Leeward		Total	
	N-S	E-W	N-S	E-W	N-S	E-W
0-15'	6.83	6.83	-4.68	-7.04	11.51	13.87
20'	7.43	7.43	-4.68	-7.04	12.11	14.47
25'	7.91	7.91	-4.68	-7.04	12.59	14.95
30'	8.39	8.39	-4.68	-7.04	13.07	15.43
40'	9.11	9.11	-4.68	-7.04	13.78	16.15
50'	9.71	9.71	-4.68	-7.04	14.38	16.75
60'	10.19	10.19	-4.68	-7.04	14.86	17.23
70'	10.67	10.67	-4.68	-7.04	15.34	17.71
80'	11.15	11.15	-4.68	-7.04	15.82	18.19
84.67	11.27	11.27	-4.68	-7.04	15.94	18.31

Table 2: Wind Loads

For complete calculations, see Appendix.

Seismic:

Story	$F_x(k)$
2	9.53
3	20.29
4	31.70
5	43.66
6	56.16
R	53.07

Table 3: Seismic Loads

For complete calculations, see Appendix.

Based on ASCE 7 the applicable load cases are:

1.4D	(LC 1)
1.2D + 1.6L + 0.5S	(LC 2)
1.2D + 1.6S + (0.5L or 0.8W)	(LC 3)
1.2D + 1.6W + 0.5L + 0.5S	(LC 4)
1.2D ± 1.0E + 0.5L + 0.2S	(LC 5)
0.9D ± (1.6W or 1.0E)	(LC 6)