

Load Per Frame (One Frame)

Floor	Weight (kg)				Total, W _x	h _x	W _x h _x	F _x	+	F _t	Σ	ACCUM V _x	M _x (kg.m)
	SLAB	BEAM	COLUMN	BRICK WALL	kg	(m)	(kg.m)						
Roof	11,600	5,520	-	-	17,120	9	154,080	1,949.70	+	93.19	2,042.89	2,042.89	-
3	11,600	5,520	1,125	4,500	22,745	6	136,470	1,726.87	+	0	1,726.87	3,769.76	6,128.67
2	11,600	5,520	1,125	4,500	22,745	3	68,235	863.43	+	0	863.43	4,633.19	17,437.94
1	11,600	5,520	1,125	4,500	22,745	0	-	-	+	0	-	4,633.19	31,337.51
ΣW _x = 85,355					ΣW _x h _x = 358,785								

$$F_x = \frac{(V - F_t)W_x h_x}{\sum_{i=1}^n W_i h_i} = \frac{(4,540 - 0)W_x h_x}{358,785} = 0.0127 W_x h_x$$

$$M_x \text{ 3 floor} = (2042.89 \times 3)$$

$$2 \text{ floor} = (2042.89 \times 6) + (1726.87 \times 3)$$

$$1 \text{ floor} = (2042.89 \times 9) + (1726.87 \times 6) + (863.43 \times 3)$$