1st floor					
floor dead weight, $4.8 \times 3 \times 1.2$[a]	=	17.28			
wall	=	7.40			
		24.68 kN/m	24.68	143.4	19.44
60% of 6 floors imposed load, $6 \times 5.4 \times 0.6$ =		19.44 kN/m			
Ground floor					
floor dead weight, $4.8 \times 3 \times 1.2$[a]	=	17.28			
wall	=	7.40			
		24.68 kN/m	24.68	168.08	22.68
60% of 7 floors imposed load, $7 \times 5.4 \times 0.6$ =		22.68 kN/m			

[a] The factor 1.2 comes from table 3.6, BS 8110: Part 1: 1985.

Table 12.2 Loading on wall B per metre run; inner leaf

Calculation for floor level considered			*Load/m run* (kN/m)		
			Dead load at floor	*Cumulative dead load to floor,* G_k	*Cumulative live load to floor,* Q_k
6th floor					
roof dead weight, $3.5 \times 3 \times 0.45$[a]	=	4.725			
wall (roof to 6th floor), 2.42×2.85	=	6.897			
		11.62 kN/m	11.62	11.62	2.025
5th floor					
floor dead weight, $4.8 \times 3 \times 0.45$[a]	=	6.48			
wall 6th to 5th	=	6.897			
		13.38 kN/m	13.38	25.0	3.645
90% of imposed load, $2 \times 2.025 \times 0.9$	=	3.645 kN/m			
4th floor					
dead weight same as 5th			13.38	38.38	4.86
80% of 3 floors imposed load, $3 \times 2.025 \times 0.8$	=	4.86 kN/m			