## **Engineering Information**

## Live Loads on Floors 1

The live load is variable, and consists of the weight of people, furniture, stocks of goods, machinery, etc. The amount of this load, which should be added to the dead load, depends upon the use to which the building is to be put. Where the floor is required to support a considerable live load, concentrated at a particular place, such as a heavy safe or piece of machinery, special provision should be made in the floor construction for it. Table V gives the live loads per square foot recommended as good practice in conservative building construction.

In designing the floors of office or buildings of like character, it is good practice to figure the full live load on the floor joists or beams, but to consider only a certain percentage as coming upon the girders, columns, and foundations, on the assumption that all of the floors will not be fully loaded at the same time. This percentage should be carefully considered in each case; and the amounts will depend upon the height of the building in question and the judgment of the designer.

## **Engineering Information**

Loading Class No.	rally, floors of	rk rooms gen	Alternative minimum live load	
	Type of Floor British noticing	Minimum  Load  per unit  area  (kg./m²)	uniformly distributed	
976	factories buildings of similar category for heavy weight loads, floors of book	976 Stangad so	cors of warehoud and other building. This care building. This corsection of the storage.	
	Aldert Kerney study Averbiral opining		r assembly with	
ors only naximum aximum less osidered		195 293 488	a ing halls etc. copies of wareholders and oth	

## **Engineering Information**

Туре	Slope of Roof	Table No. 3  Imposed loads other than wind and snow	snow load
Roofs other than sheeted roofs	Flat, sloping or curved with slop up to and including $10^0$	147 kg/m2 measured on plan subject to a minimum of 91 kg uniformly distributed over any span of 0.305 m width of the roof slab and 726 kg. uniformly distributed over this span in the case of all beams.	Where snow is encountered additional allowance of 15 kg, per metre depth of snow measured on plant
	Sloping or curved roofs from $10^0$ to $30^0$ and including $30^0$	73. kg/m2 measured on plan or 91 kg, concentreted load	- do -
subi reasu rease tend	Sloping or cuvred roofs greater than 300	Nil let repes calors.  It be per square inch.  In has it water in lest, s. A.	- do - 27 4
Sheeted	Flat, sloping or curved	To provide for loads incidental to maintenance all roof covering (other than glass) and supporting structure shall be capable of carrying load of 82 kg. concentrated on an area 12.7 cm square. This load is not in addition to wind load and shall be treated as occasionol.	- 60 - 60 - 60 - 60 - 60 - 60 - 60 - 60