

SECTION**18.0.0 Minimum Design Loading****18.1.0 Floor Loads**

All floors shall be designed and constructed in such a manner as to be capable of bearing in all their parts, in addition to the dead load weight on the floor construction, partitions, ceiling loads, fixtures, and mechanism that may be set upon the same, the following live loads:

Residences.....	40 lbs. per sq. ft.
Apartments and multiple dwelling	50 lbs. per sq. ft.
Commercial buildings	100 lbs. per sq. ft.
Theatres, Auditoriums and other places of assembly - with fixed seats	60 lbs. per sq. ft.
Lobbies, Passageways, Gymnasiums, Stages, Auditoriums, or places of assemblage - without fixed seats	100 lbs. per sq. ft.
School Buildings, Libraries, Classrooms and Similar Rooms, Office Buildings, Club Houses, Office Space (except corridors and public places)	70 lbs. per sq. ft.
Corridors and public places	160 lbs. per sq. ft.
All Stairs and Fire Escapes except within residence units	100 lbs. per sq. ft.

18.2.0 Wind Loads

All structures less than 40 feet (40' 0") in height shall be designed and constructed in such manner as to be capable of resisting, in addition to the live and dead loads, a horizontal wind pressure of twenty (20) pounds on every square foot of exposed surface, from any direction. Design and analysis of provisions for wind loading on structures over 40 feet (40' 0") in height shall be submitted by a Registered Structural Engineer for review and acceptance by the Building Commissioner and Deputy Building Commissioner.

18.3.0 Roof Loads

All roofs shall be designed and constructed in such manner as to be capable of bearing in all their parts, in addition to the dead load weight of the roof and ceiling construction and possible attic live loads supported therefrom, live loads individually as follows (not simultaneously):

- a. A horizontal wind load of twenty (20) pounds per square foot of projected surface from any direction.
- b. A vertical snow load of twenty-five (25) pounds per square foot of projected surface.

18.4.0 Other Loading Requirements

Except for slab-on-grade construction, the construction of driveways, sidewalks, loading berths and spaces for placement of tanks, heavy equipment, unusual storage and other specific loading conditions shall be designed for the actual weight of the superimposed loads plus dead load construction. Design and analysis shall be prepared and submitted by a Registered Structural Engineer.