

Calculation of Minimum Exits/Door/Stairwase Requirement based on BNBC-2020

Building Number	Floor # at the building	Section at the building	Type of Occupancy (Ref: BNBC Part iii, Chapter-2)	Door width requirement per Occupant (in mm) (Ref: Table 4.3.2 BNBC-2020-Vol # 01, Part iv,Chapter-3)	Stair case width requirement per Occupant (in mm) (Ref: Table 4.3.2 BNBC-2020-Vol # 01, Part iv,Chapter-3)	Maximum Occupant load at the floor of the building	Minimum Total Width of Exits/Door required as per BNBC (In ft) at the floor	Minimum Total Width of Stairwase required as per BNBC (In ft.) at the floor	Number of Minimum Exits required based on Occupant load (Ref: BNBC-3.14 Part-iv-Chapter-2)	Existing Nmuber of Exit/Door at the floor	Existing Nmuber of Stairwases at the floor	Total width of Existing Stairwase of the floor (in ft.)	Total width of Existing EXITS/ Doors of the floor (in ft.)	Excess/ Shortage on Requirement of Width of Stairwase in Ft.	Excess/ Shortage on Requirement of Width of Exit(Door) in Ft.
1	First	Industrial/ Production	G	4	8	1250	16	33	4	5	5	26.3	18	-7	2
		Mercantile	F	5	8	55	1	1	2						
		Storage	H	4	8	10	0	0	1						
	Ground	Industrial/ Production	G	4	8	1400	18	37	4	5	5	42.5	5.9	6	-12

Note:
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BNBC-Vol # 01, Part-iv, Chapter-3, 3.9.3:The width of a door shall not be less than 1 meter or 3.28 feet and the height shall be not less than 2 meter. Exit door shall be slide swing or provided of side hinge type.