

Table 3.4: Stair

ITEMS	REQUIREMENTS
16. SPIRAL STAIR	<ul style="list-style-type: none"> i. Spiral Stairs are not allowed in means of egress except for the following. <ul style="list-style-type: none"> a. In Industrial occupancy to access equipment, mezzanine where equipment access is required, Control room to access equipment and process line floor. b. In Storage occupancy to access mezzanine which is only for storage and not office space. c. In Retail areas to access mezzanines where goods are stored. d. Private and Commercial Villa ii. The clear width of the stairs shall be not less than 660 mm. iii. The height of risers shall not exceed 240 mm. iv. The headroom shall be not less than 1980 mm. v. Treads shall have a depth not less than 190 mm at a point 305 mm from the narrower edge. vi. All treads shall be identical. vii. Handrails shall be provided as per Table 3.4.10. viii. The turn of the stairway shall be such that the outer handrail is at the right side of descending users.
17. WINDERS	<ul style="list-style-type: none"> i. Winders are not allowed in Means of egress except for the following. <ul style="list-style-type: none"> a. In Industrial occupancy to access equipment, mezzanine where equipment access is required, Control room to access equipment and process line floor. b. In Storage occupancy to access mezzanine which is only for storage and not office space. c. In Retail areas to access mezzanines where goods are stored. d. Private and Commercial Villa. ii. Winders can be used in open stairs which are not exit stairs. iii. Winders shall have tread depth of not less than 150 mm and tread depth of not less than 280 mm, at a point 305 mm from narrowest edge.
18. CURVED STAIRS	<ul style="list-style-type: none"> i. Curved Stairs are not allowed in Means of egress except for the following. <ul style="list-style-type: none"> a. In Industrial occupancy to access equipment, mezzanine where equipment access is required, Control room to access equipment and process line floor. b. In Storage occupancy to access mezzanine which is only for storage and not office space. c. In Retail areas to access mezzanines where goods are stored. d. Private and Commercial Villa ii. Curved Stairs can be used as open stairs which are not exit stairs. iii. Curved Stairs shall have tread depth of not less than 255 mm at a point 305 mm from narrowest edge.



CURVED STAIR



SPIRAL STAIR



WINDERS