

Sub.: Notes on staircase marking for Apartments & Villas.

1. Standard drawings for dog-legged staircase have been issued for apartments and villas. These drawings to be strictly followed unless specifically another drawing is issued.
2. In general the slab to slab height in apartments and villas is 10ft i.e., 120 inches. In case of villas there are 18 treads and 19 risers of 6.3" & 11" respectively. In case of apartments there are 19 treads and 20 risers of 6" & 12" respectively. In villas/apartments the landing is 3' /5' and the flight width is 36" & 57". In villas and apartments the gap between flights should be 6" (after finishing this must be atleast 3").
3. The staircase marking must be done with reference to the wall touching the landing.
4. The landing heights are clearly specified in the drawings and must be strictly followed.
5. Slab folds must be properly planned.
6. All risers must have a provision of 3" for granite or vitrified tile laying. Treads will automatically have a margin of 3" (mark from SFL).
7. Marking of staircase
 - a. Mark line 1 27" above SFL of upper floor.
 - b. Then mark line 2 (no. of risers x height of each riser).
 - c. Similarly, mark line 3. Line 3 and line 2 are at same height when there are no winders. Otherwise line 3 is below line 2 (no. of winders -1 x height of each winders).
 - d. Mark line 4 (no. of risers x height of each riser). Line 4 should be 27" above SFL of lower floor (this is the cross check of correct marking).
 - e. Then mark vertical lines R1, R10, R11 & R20 in case of apartments and R1, R8, R12 & R19 in case of villas. Thereafter, draw vertical lines for each riser (do not mark R1, R2, R3,.... – mark R1 and R8 and then divide in 7 parts).
 - f. Mark horizontal lines 2ft above FFL of each tread.
 - g. Note that the marking for treads is 2ft above FFL (not SFL). Construct/correct treads with brick work 2'3" below the FFL marking.
 - h. Note that the riser marking is a finished level. The brick work for each step must be with a recess of 3" to accommodate riser.
8. Marking must be done as above before starting civil work of steps. Corrections of civil work must be done with reference to this marking.
9. Lay granite/vitrified tiles only after proper correction of civil work.
10. All sites have been provided with digital tape /spirit level. Granite steps must be at spirit level (maximum tolerance +/- 1degree). All treads must be at right angle to the adjacent wall.
11. If work is done correctly the risers at the landing will be at one level.
12. This is the best benchmark for assessing the technical expertise and capability of engineers at site!