

Subject: Marking of FFL – using line laser.

Line lasers have been issued to all sites and QC. Marking of FFL for flats and villas shall be done as follows:

1. At the stage of casting columns (or RCC works), determine an average SFL and mark all columns using line laser at height of 3' 3" (avg ht), with black marker. This is the sill level and 3' above inside flooring level in flats and villas. Where plastering is not completed and brick work is completed, this procedure can still be followed.
2. From the level mark with a black marker, mark a level 12" below it with a red marker. Mark all 4 sides of the column. Ask mason to make permanent line using red-oxide as per marking given by engineer using red marker. The red line denotes a level 2' above FFL inside the flat or villa. Sill level is 1' above the red line and lintel level 5' above the red line. Screws need not be fixed – use main door frame/ other frames as reference level after plastering.
3. For villas – on external setback on 3 sides fix screws at 9" below red line. Ask mason to mark with blue-oxide (blue line). Blue line is 2' above setback FFL. Similarly, mark portico FFL 6" below red line. Fix screws and draw blue line inside portico – indicating level 2' above FFL. Similarly, mark lawn FFL 12" below red line. Fix screws and draw blue line along lawn – indicating level 2' above lawn FFL. Similarly, mark level of footpath 12" below red line. Fix screws and draw blue line (note in some projects the portico FFL, setback FFL and lawn FFL are 3", 6" & 9" below villa FFL).
4. For apartments mark blue line 2' above corridor FFL. Similarly, mark blue line for driveways, landscape areas, footpaths, ramps, etc., indicating 2' above FFL.
5. Summary:
 - a. Use black marker for marking absolute levels or columns at 3'3" above SFL. Black marker is for engineers use only. Do not ask masons to use these levels.
 - b. Use red marker and red line to indicate 2' above FFL inside flats and villas. Masons to use this line to mark flooring levels, sill levels, lintel levels and column heights (hereon 4' marking on columns is replaced with 2' marking).
 - c. Use blue marker to mark 2' above FFL in all parking and open to sky areas. Masons and earth workers must use this marking.

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