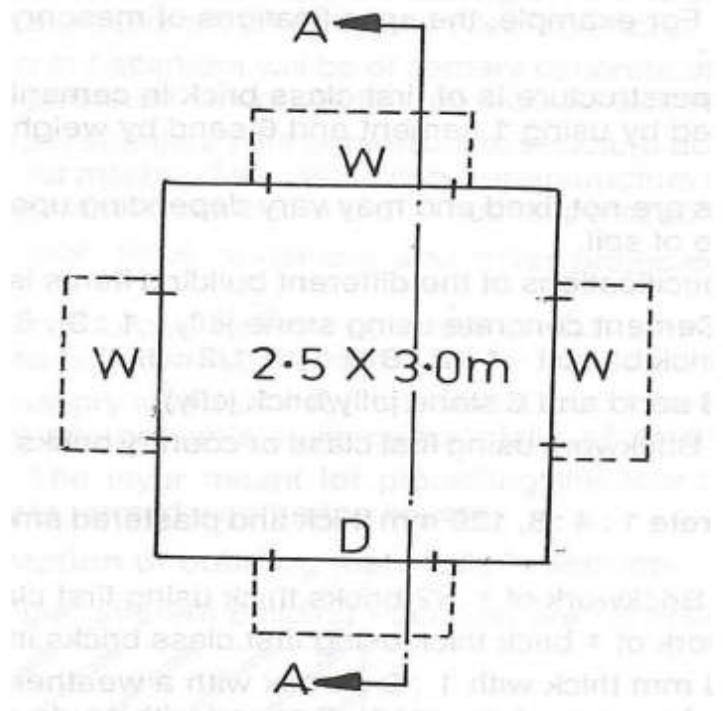
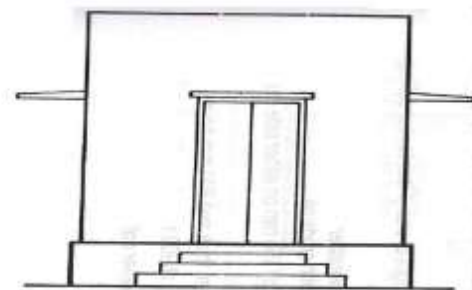


Problem – 1

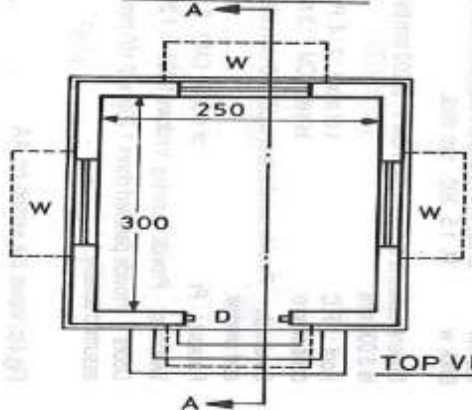
Draw a plan, elevation and sectional view of a police outpost, the line plan of which is shown in the following figure. Also draw the sectional view on AA.



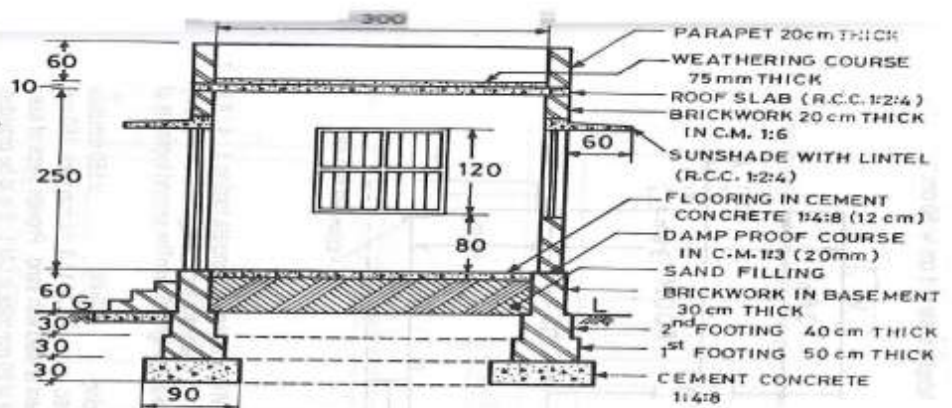
Solution



FRONT VIEW



TOP VIEW



SECTION ON-AA

D - FLUSH DOOR - 100 X 200

W - WINDOW PANELLED - 120 X 120 AND IRON BARED

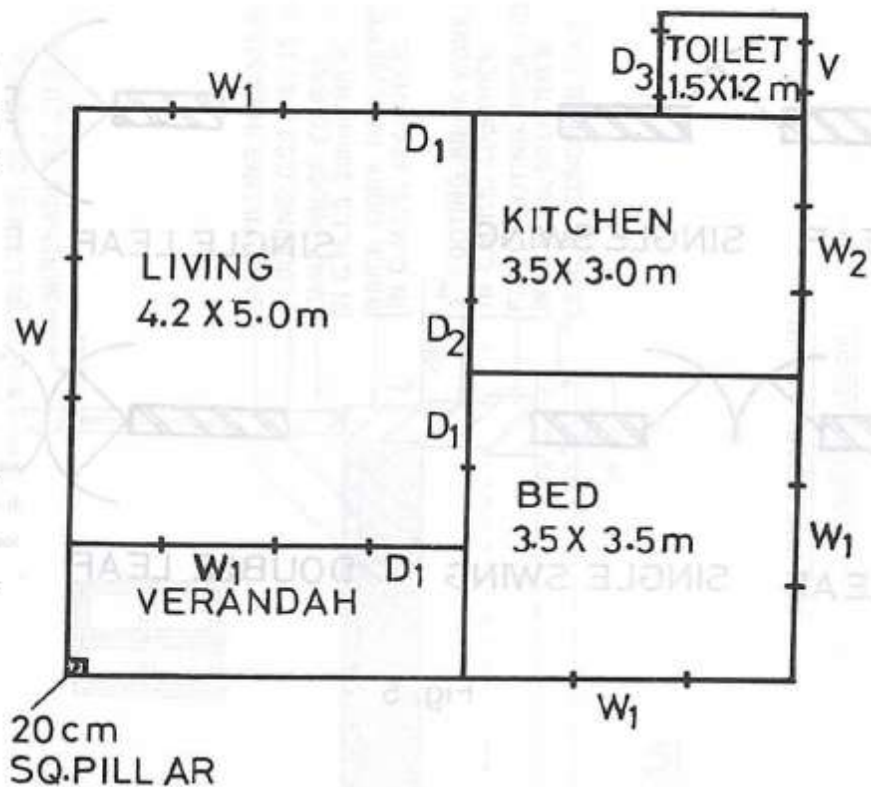
BRICKWORK IN FOUNDATION AND BASEMENT IN C.M. 1:5

STEPS RISE = 15; TREAD = 25

ALL DIMENSIONS ARE IN cm SCALE: 1:50

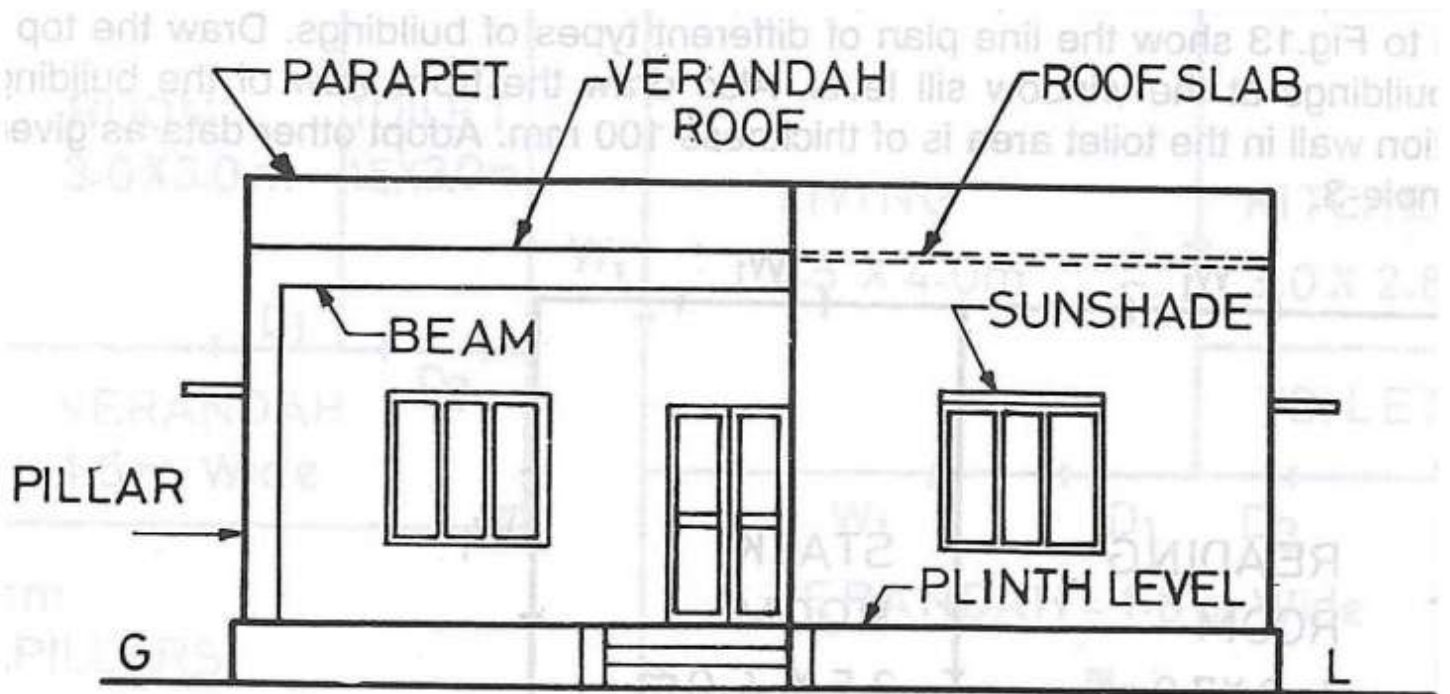
Practice problem – 2

Draw the plan and of an Low Income Group (LIG) house, the line plan of which is shown in the following figure.



Tread of steps	=	250 mm
Height of parapet	=	600 mm
Height of ceiling above floor level	=	3 000 mm
Window W	=	1 600 x 1 200 mm ; Door D ₁
Window W ₁	=	1 200 x 1 200 mm ; Door D ₂
Window W ₂	=	1 000 x 1 200 mm ; Door D ₃
Ventilator	=	600 x 450 mm ; Roof slab : R.C.C. slab, 120 mm thick
Width of sunshades	=	600 mm

Elevation



Plan

