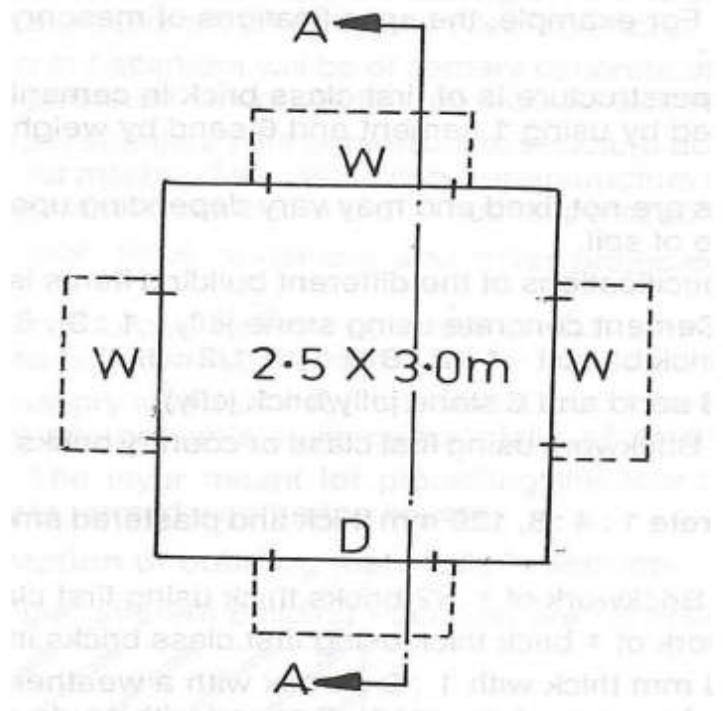
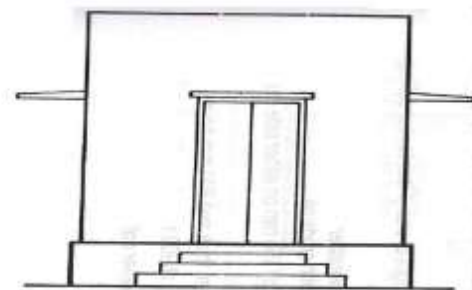


Problem – 1

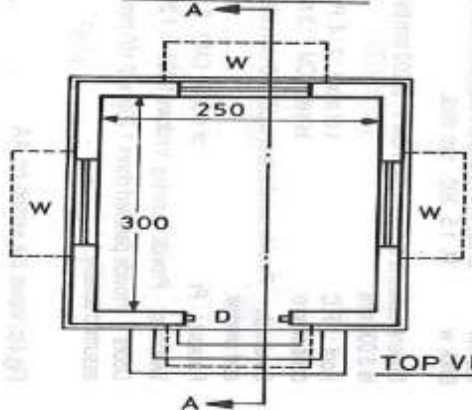
Draw a plan, elevation and sectional view of a police outpost, the line plan of which is shown in the following figure. Also draw the sectional view on AA.



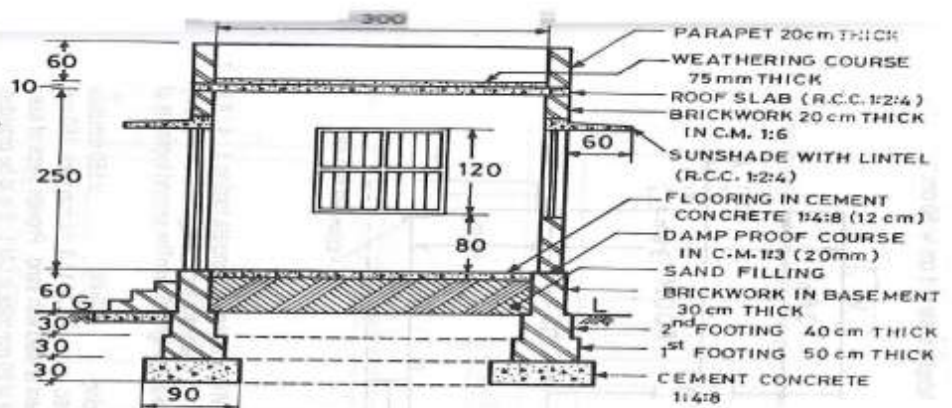
Solution



FRONT VIEW



TOP VIEW



SECTION ON-AA

D - FLUSH DOOR - 100 X 200

W - WINDOW PANELLED - 120 X 120 AND IRON BARED

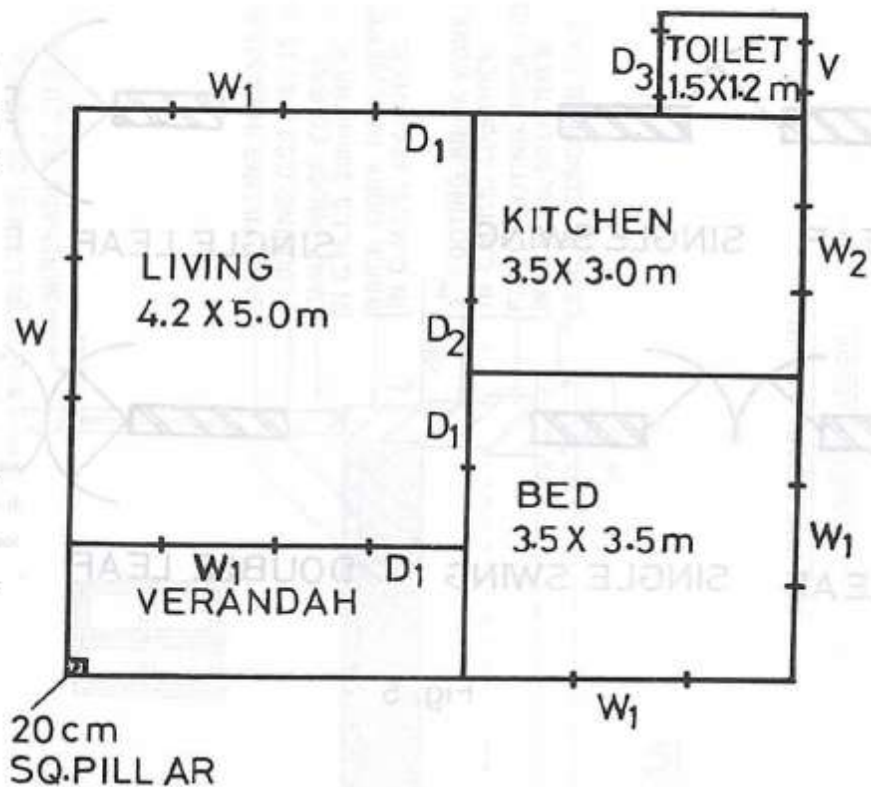
BRICKWORK IN FOUNDATION AND BASEMENT IN C.M. 1:5

STEPS RISE = 15; TREAD = 25

ALL DIMENSIONS ARE IN cm SCALE: 1:50

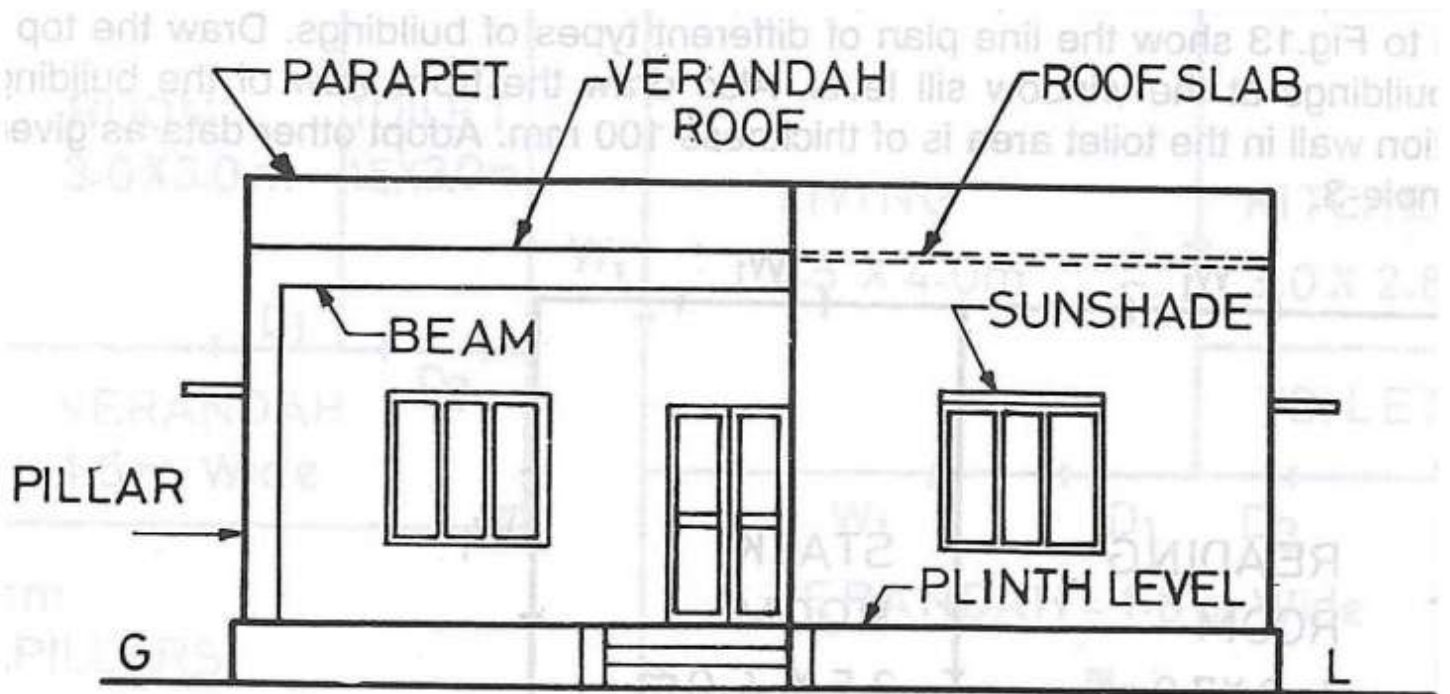
Practice problem – 2

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

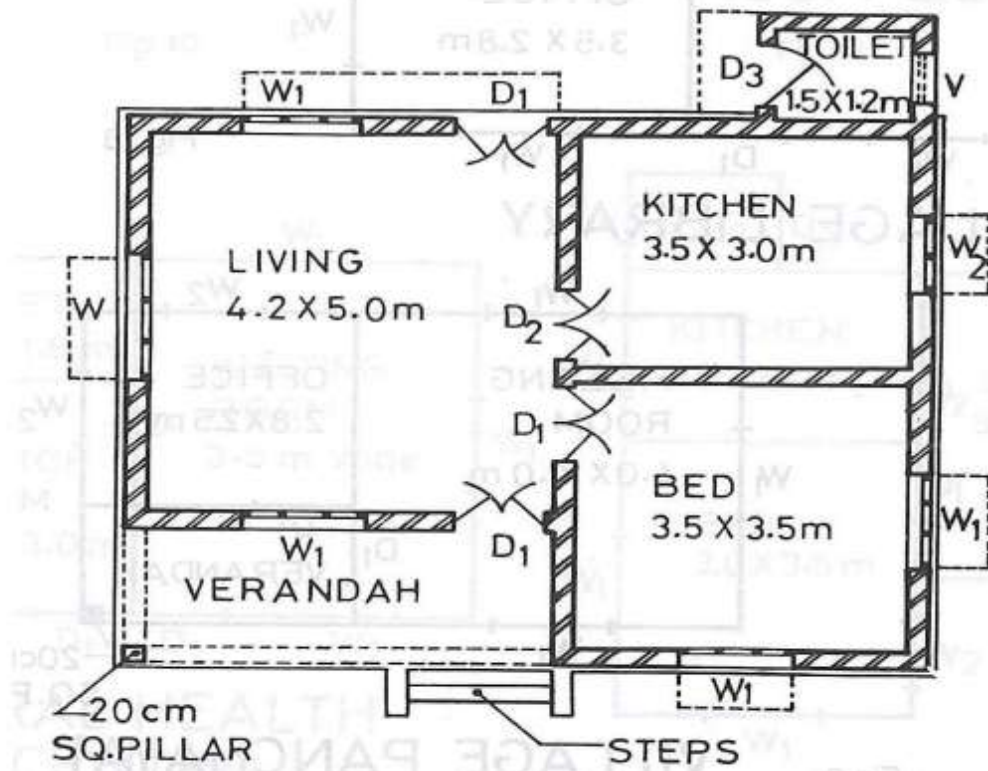


Tread of steps	=	250 mm
Height of parapet	=	600 mm
Height of ceiling above floor level	=	3 000 mm
Window W	=	1 600 x 1 200 mm ; Door D ₁
Window W ₁	=	1 200 x 1 200 mm ; Door D ₂
Window W ₂	=	1 000 x 1 200 mm ; Door D ₃
Ventilator	=	600 x 450 mm ; Roof slab : R.C.C. slab, 120 mm thick
Width of sunshades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

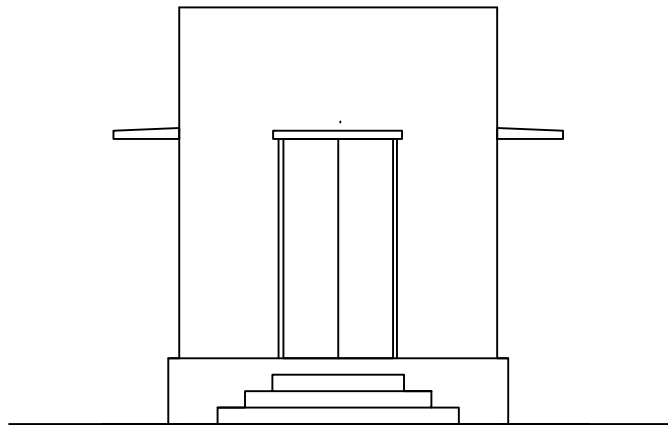
Elevation



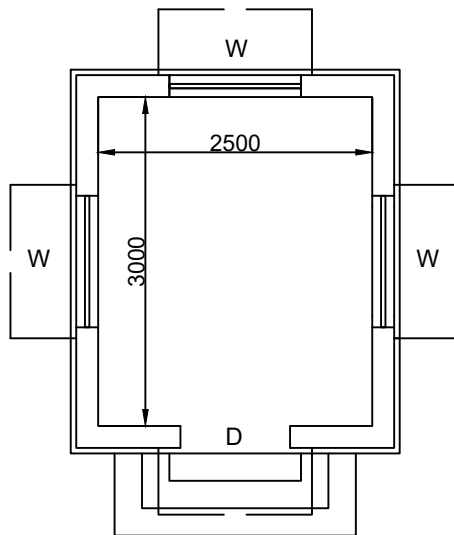
Plan



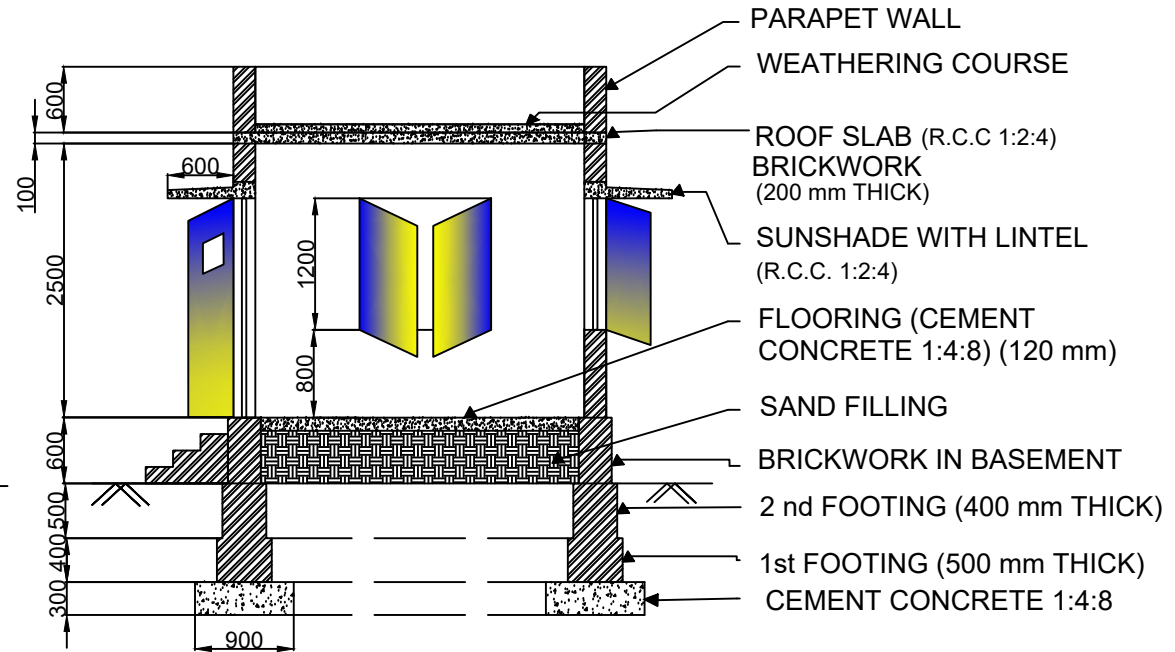
Practice Problem 1: Draw a plan, elevation and sectional view of a police outpost



ELEVATION (FRONT VIEW)



PLAN (TOP VIEW)



SECTION ON - A A

D - FLUSH DOOR - 1000 x 2000

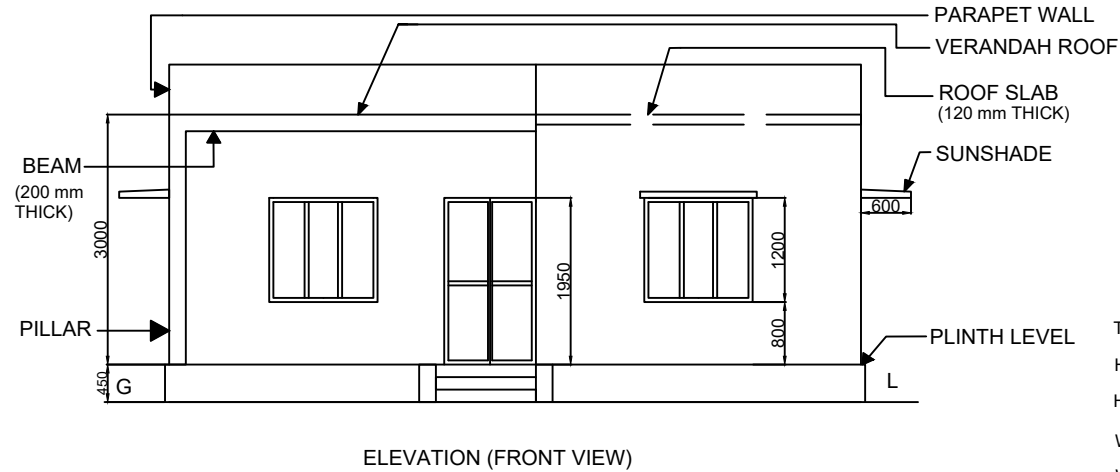
W - WINDOW PANELLED - 1200 x 1200
AND IRON BARED

STEPS RISE = 150 ; TREAD = 250

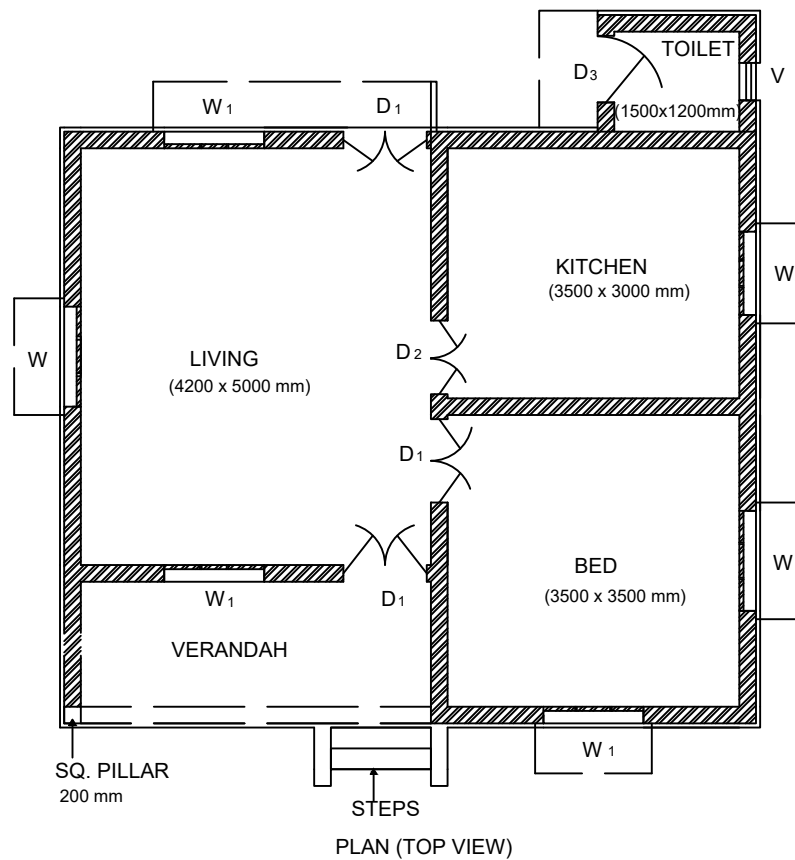
[All Dimensions in mm]

PROJECTION OF BUILDING		
REG NO:	RA2011026010022	EX. NO: 10
NAME :	DEBARGHYA BARIK	DATE: 05/01/2021
DEPT:	ENGINEERING GRAPHICS	SCALE: 1:1
MARKS:		
FACULTY:	SARAVANAKUMAR R	

Practice problem - 2: Draw the Plan and the Elevation of an Low Income Group (LIG) house.



Tread of Steps	= 250 mm
Height of parapet	= 600 mm
Height of ceiling above the floor level	= 3000 mm
Window W = 1600 x 1200 mm	Door D1 = 1000x1950 mm
Window W1 = 1200 x 1200 mm	Door D2 = 900 x 1950 mm
Window W2 = 1000 x 1200 mm	Door D3 = 800 x 1950 mm
Ventilator = 600 x 450 mm	Roof slab : R.C.C.= 120 mm THICK
Width of Sunshades	= 600 mm



[All Dimensions in mm]

PROJECTION OF BUILDING		
REG NO:	RA2011026010022	EX. NO: 10
NAME :	DEBARGHYA BARIK	DATE: 05/01/2021
DEPT:	ENGINEERING GRAPHICS	SCALE: 1:1
MARKS:		
FACULTY:	SARAVANAKUMAR R	