

EXPERIMENT NO: 7

Exercise: 7.1

Draw plan, elevation and sectional elevation including electrical plumbing and sanitary services for a given line diagram of **single storey residential building**

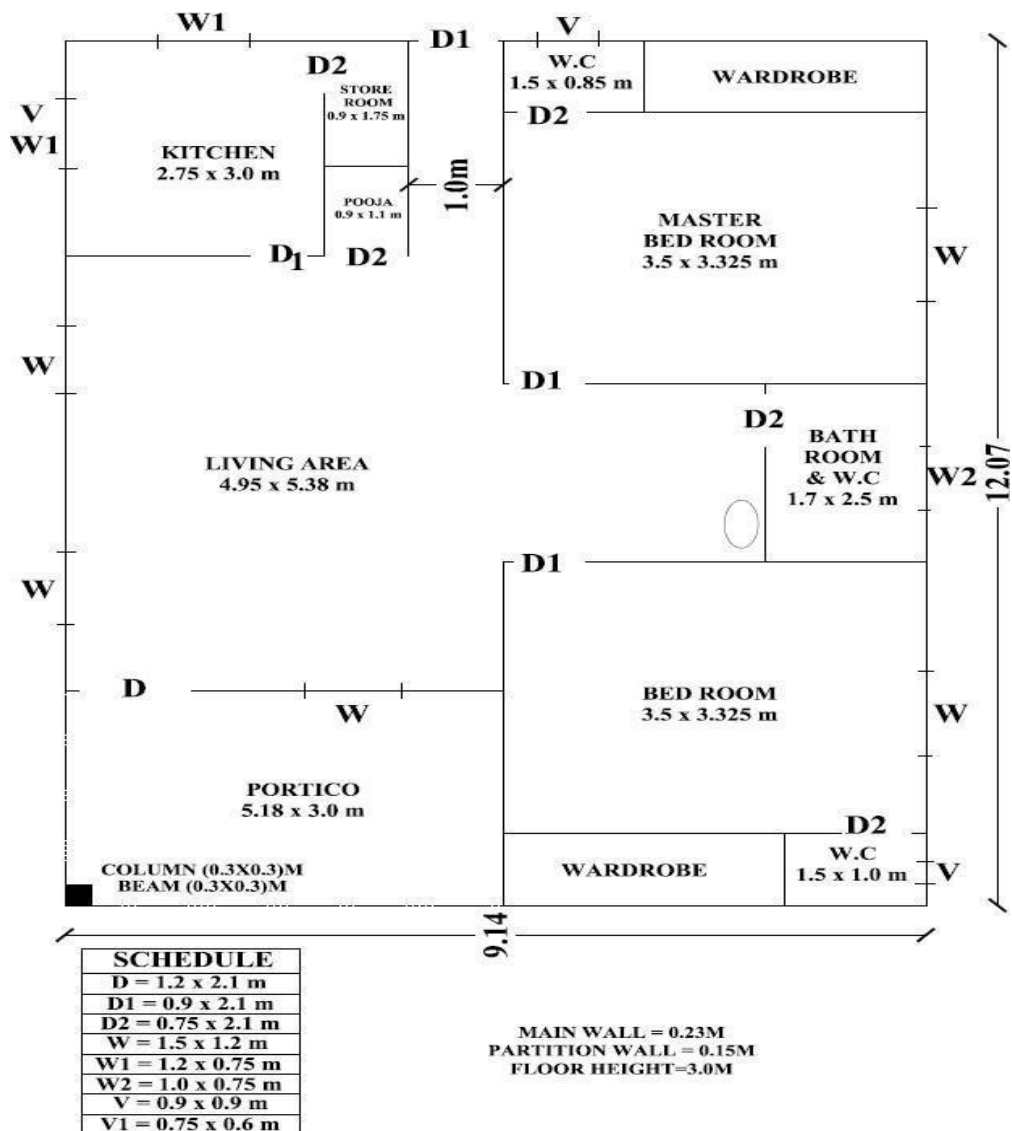
Solution:

Plan

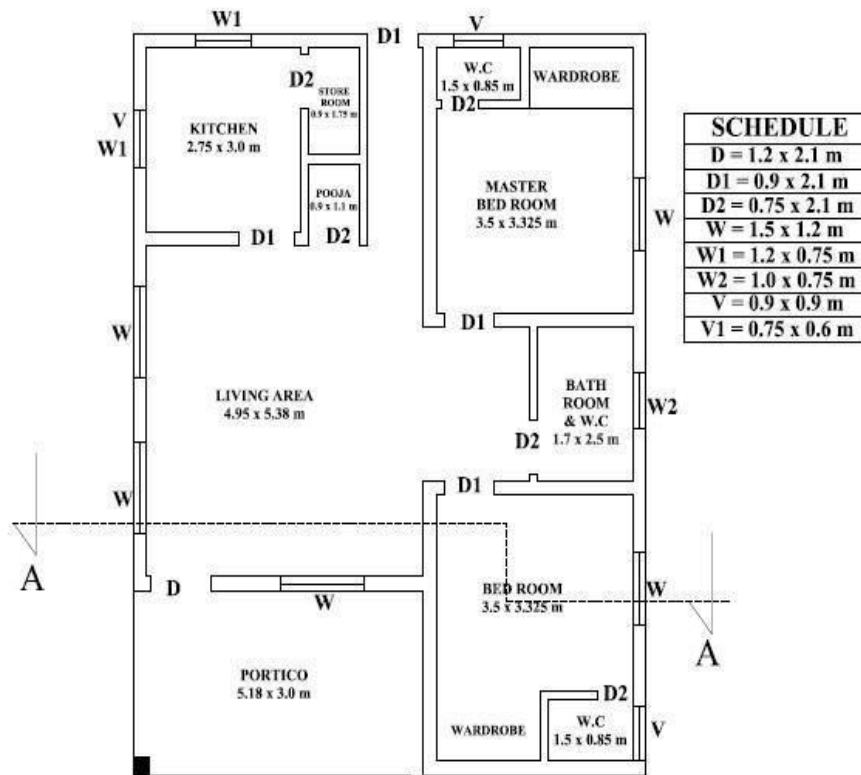
Sectional elevation

Elevation

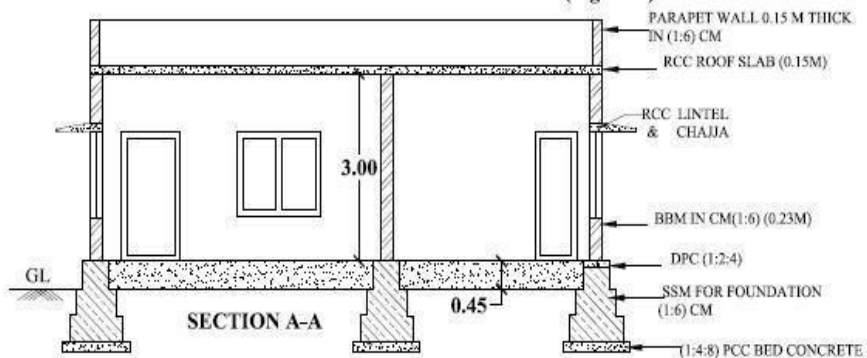
Q.no.3.1:-LINE DIAGRAM OF SINGLE STOREY RESIDENTIAL BUILDING



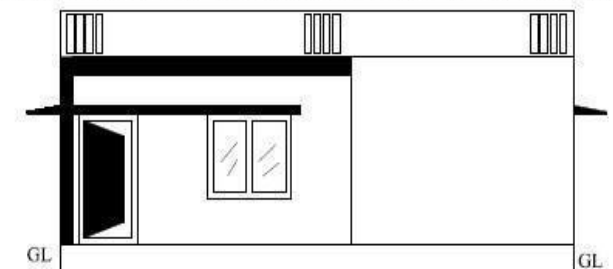
PLAN OF SINGLE STOREY RESIDENTIAL BUILDING(Fig:3.1.1)

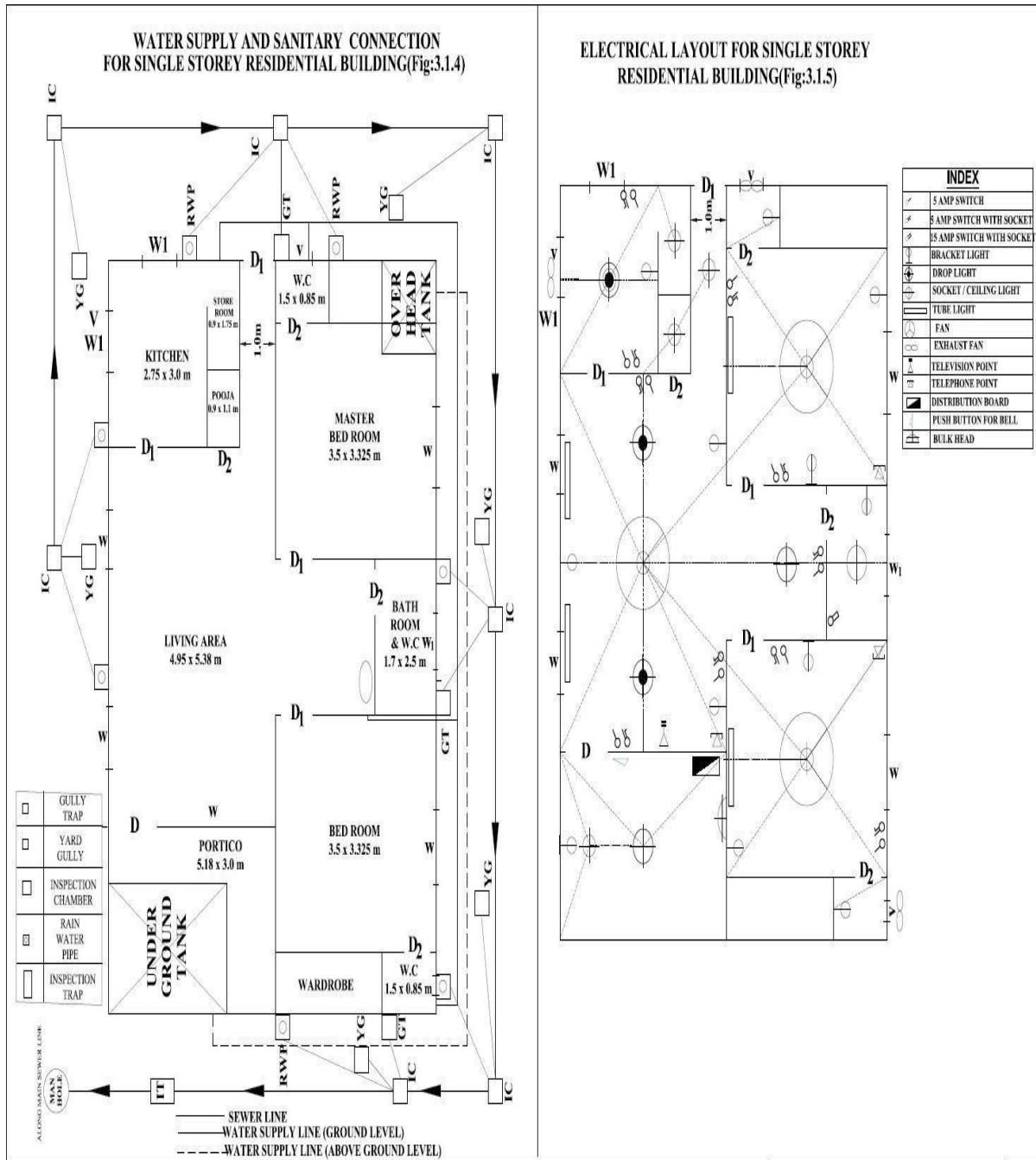


C/S OF SINGLE STOREY RESIDENTIAL BUILDING(Fig:3.1.2)

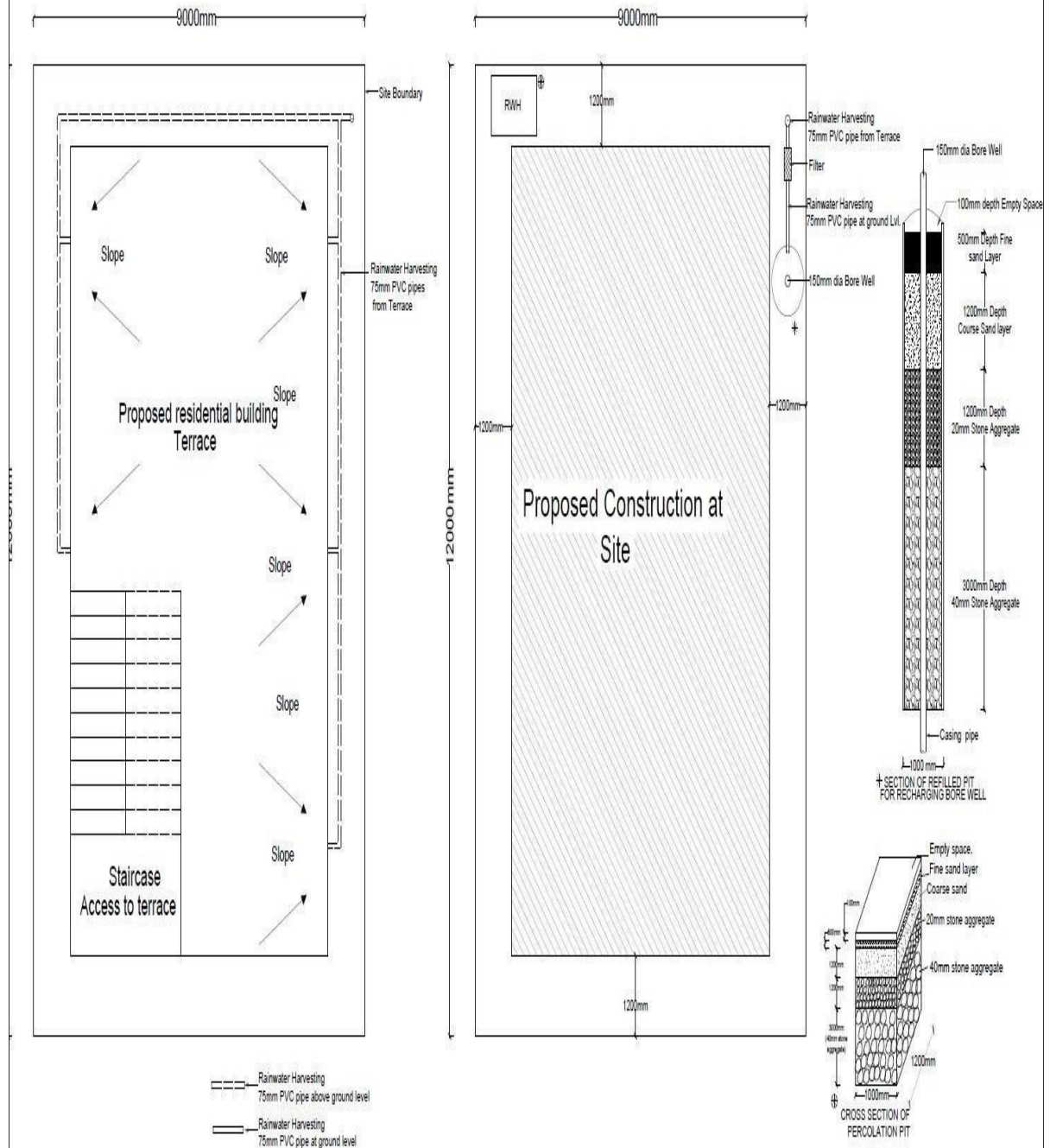


ELEVATION OF SINGLE STOREY RESIDENTIAL BUILDING(Fig:3.1.3)



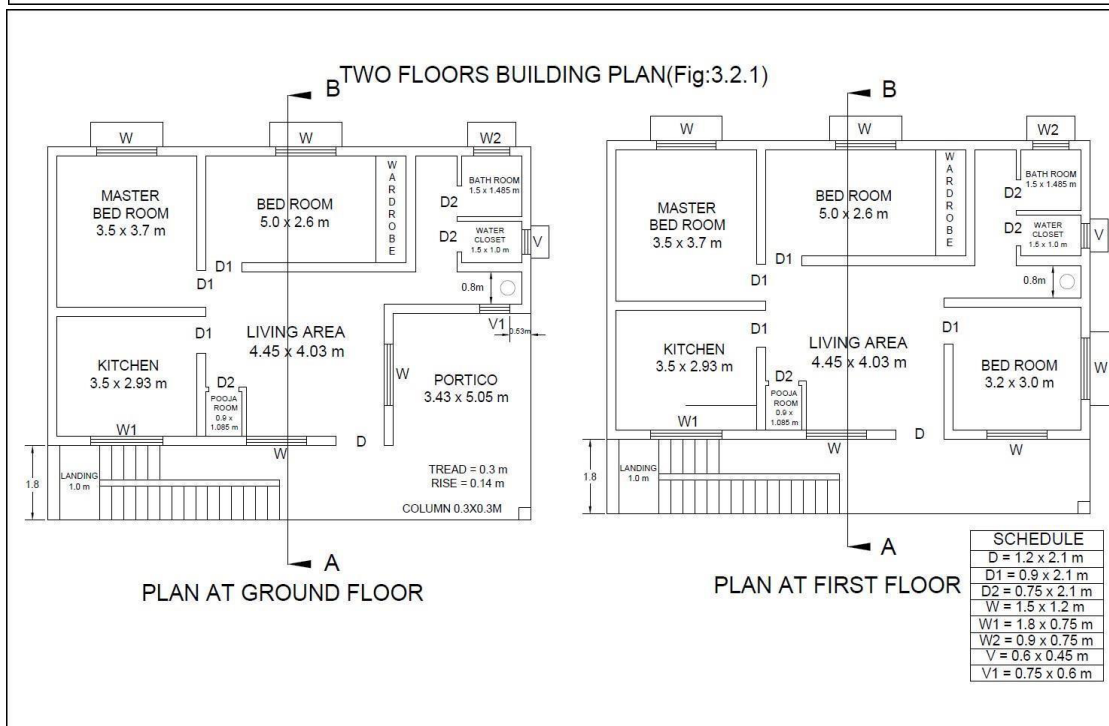
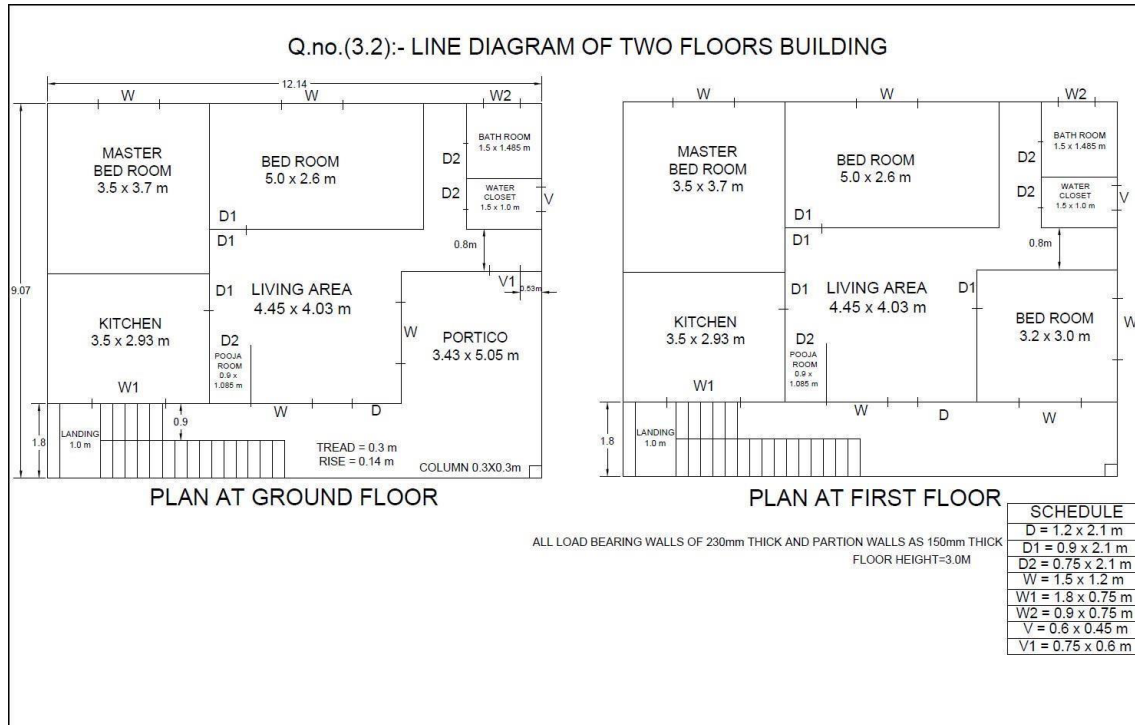


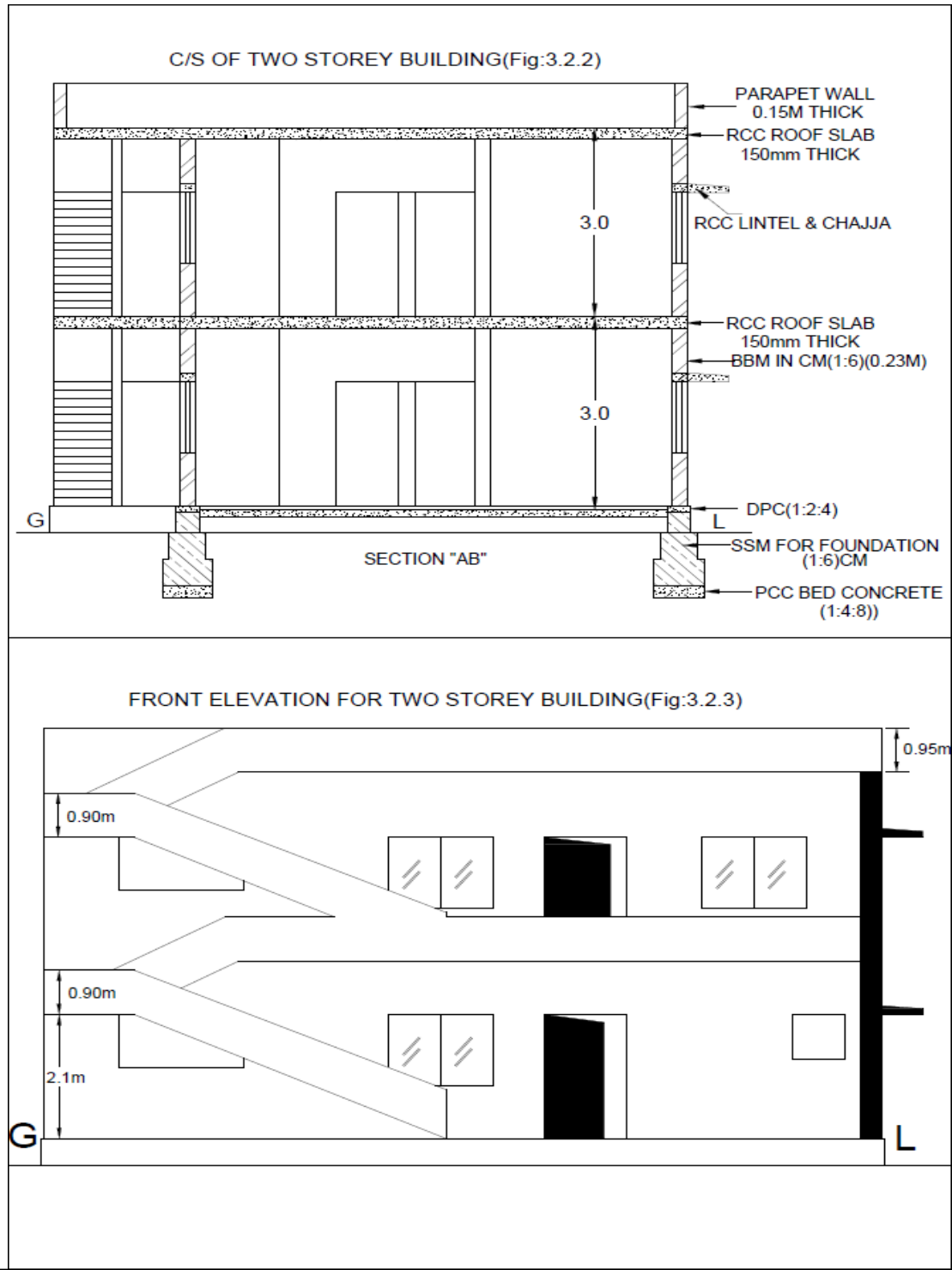
LAYOUT PLAN OF RAINWATER HARVESTING AND
RECHARGING SYSTEM FOR A RESIDENTIAL BUILDING (Fig:2.24)

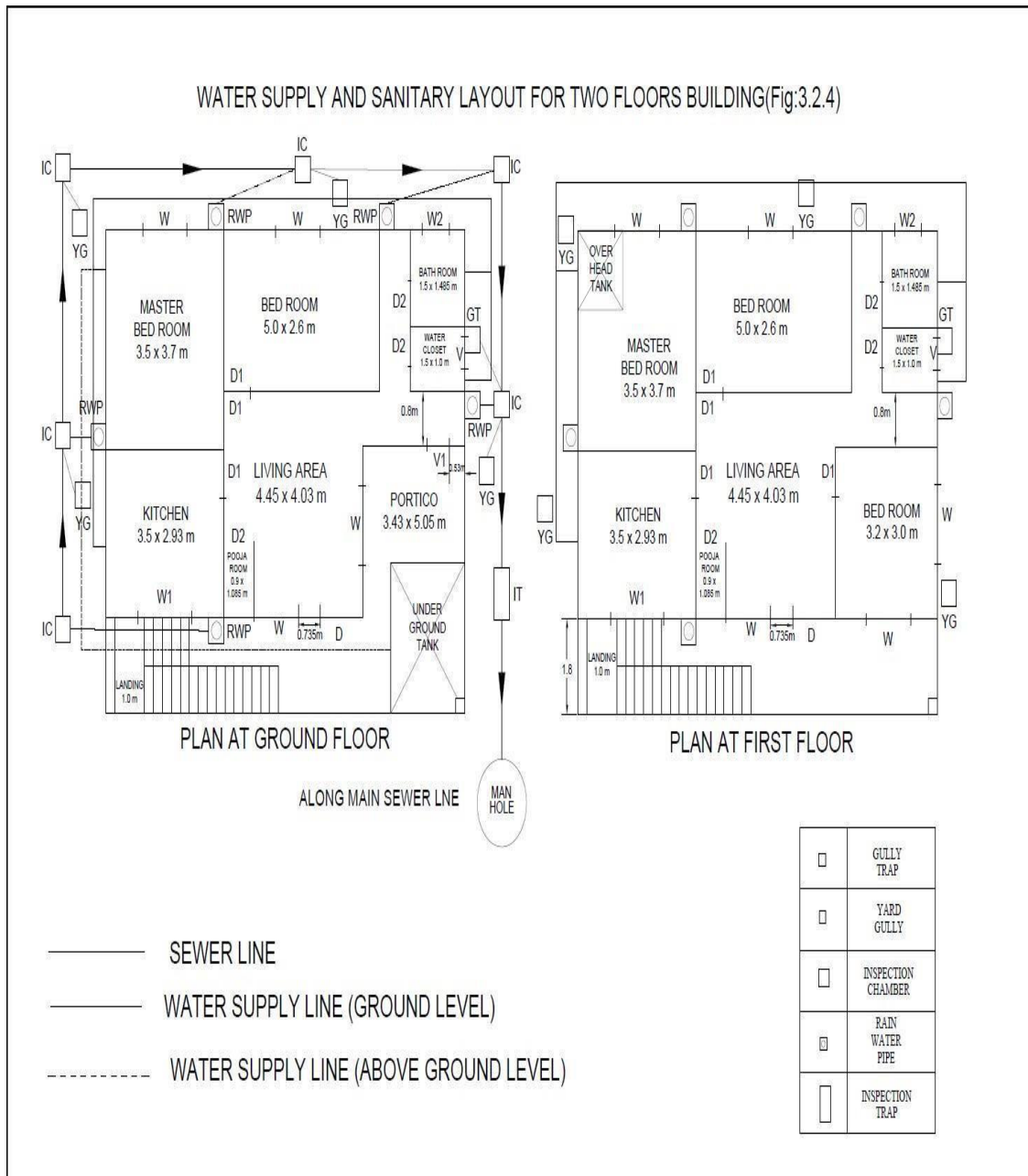


EXERCISE:7.2

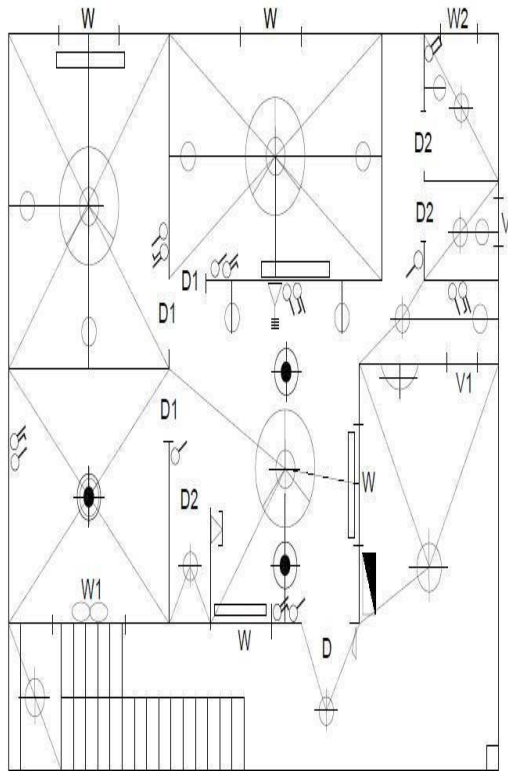
Draw plan, elevation and sectional elevation including electrical, plumbing and sanitary services for a given line diagram of two storey residential building



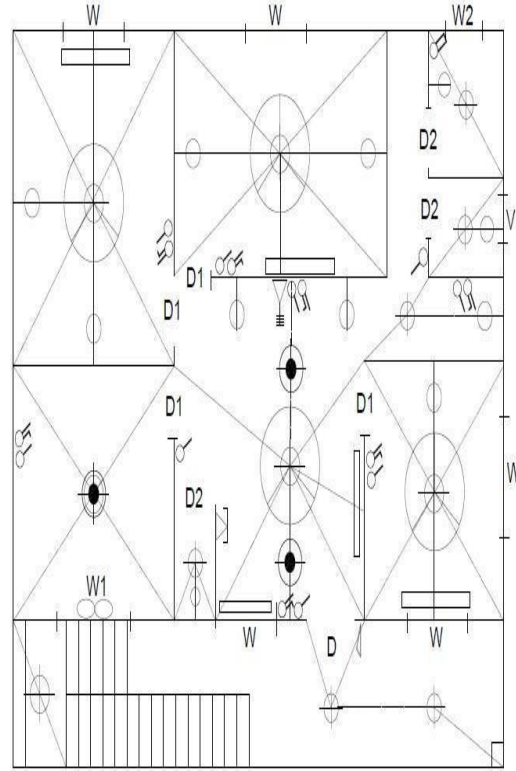




ELECTRICAL LAYOUT FOR TWO FLOORS BUILDING(Fig:3.2.5)



PLAN AT GROUND FLOOR



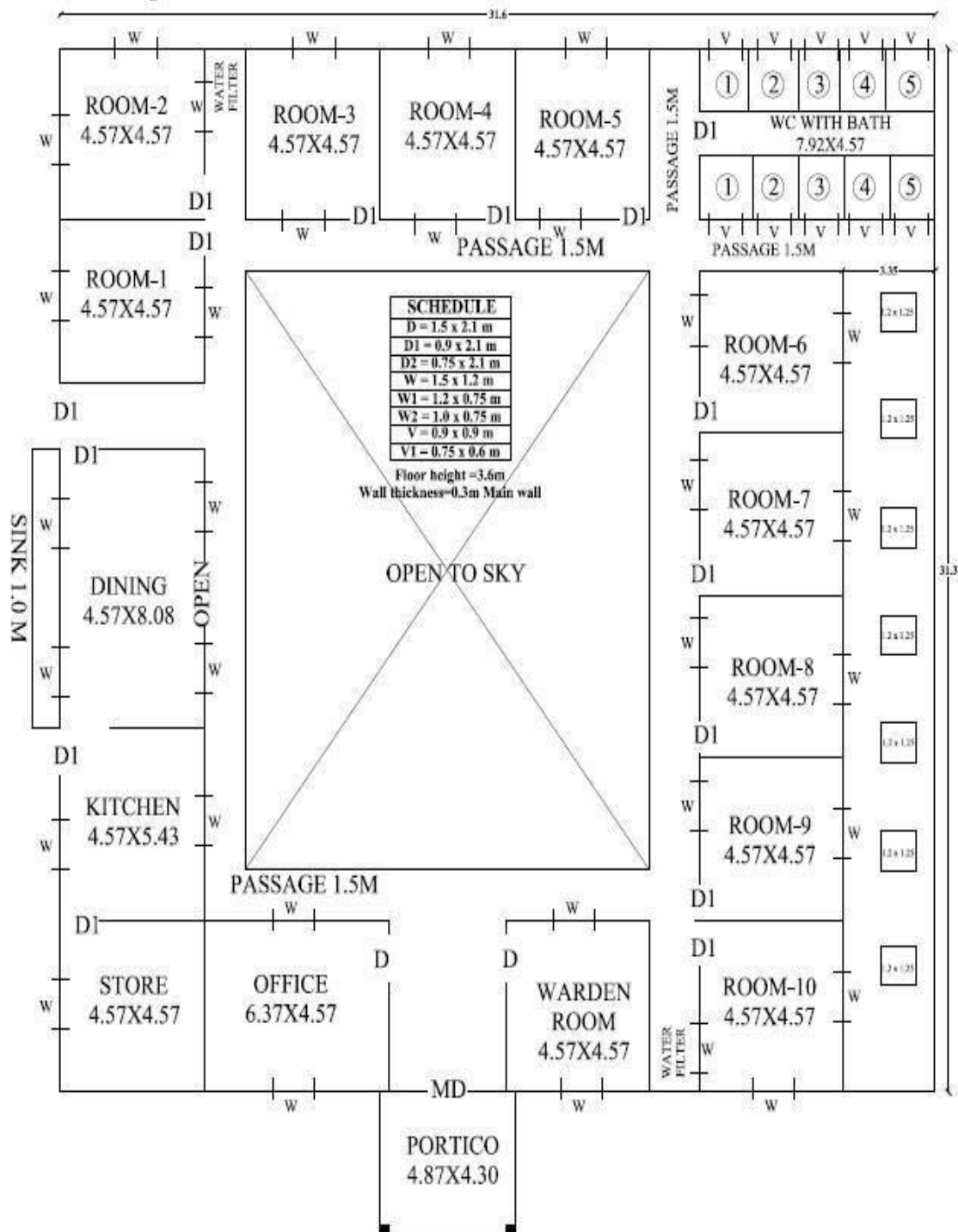
PLAN AT FIRST FLOOR

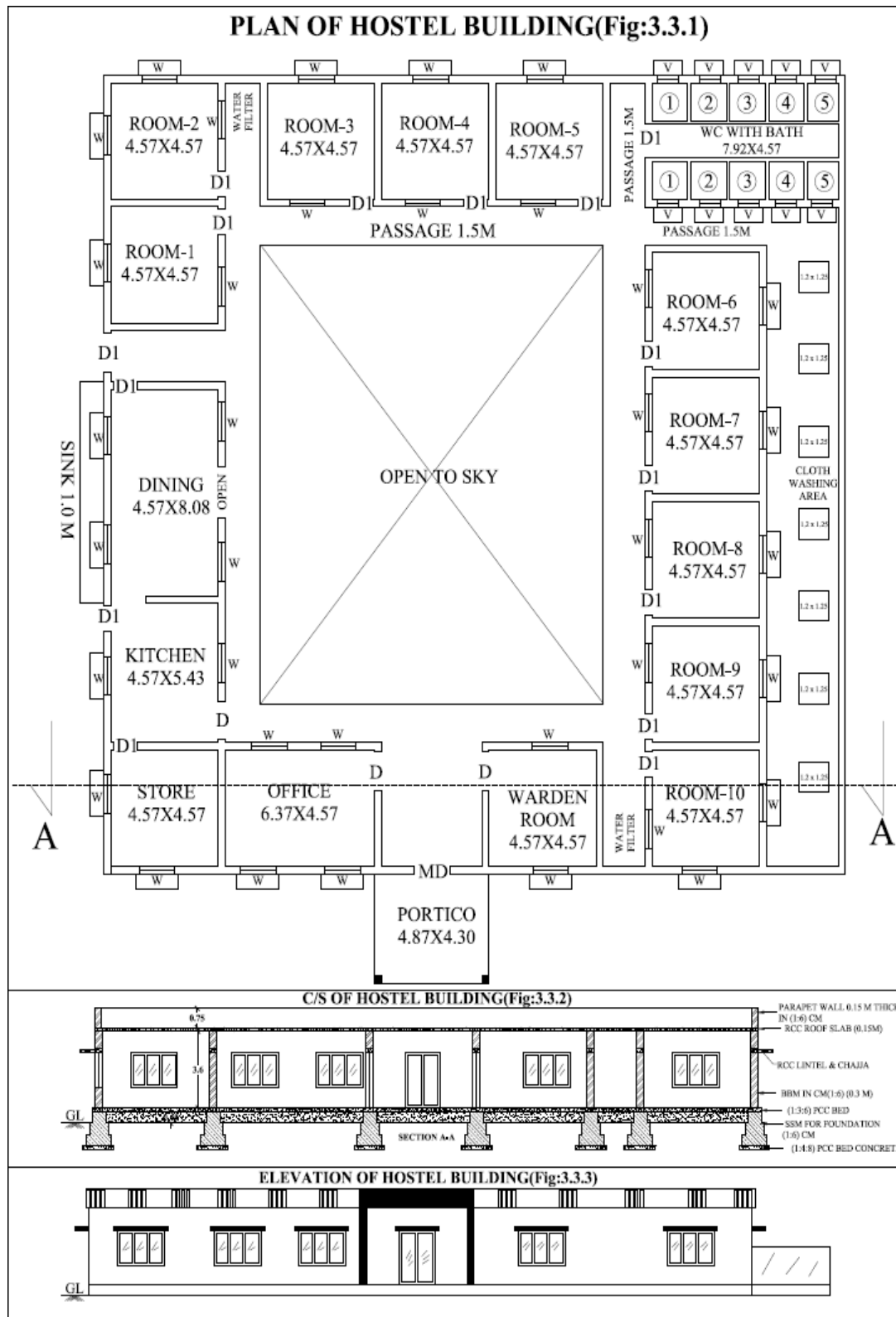
INDEX

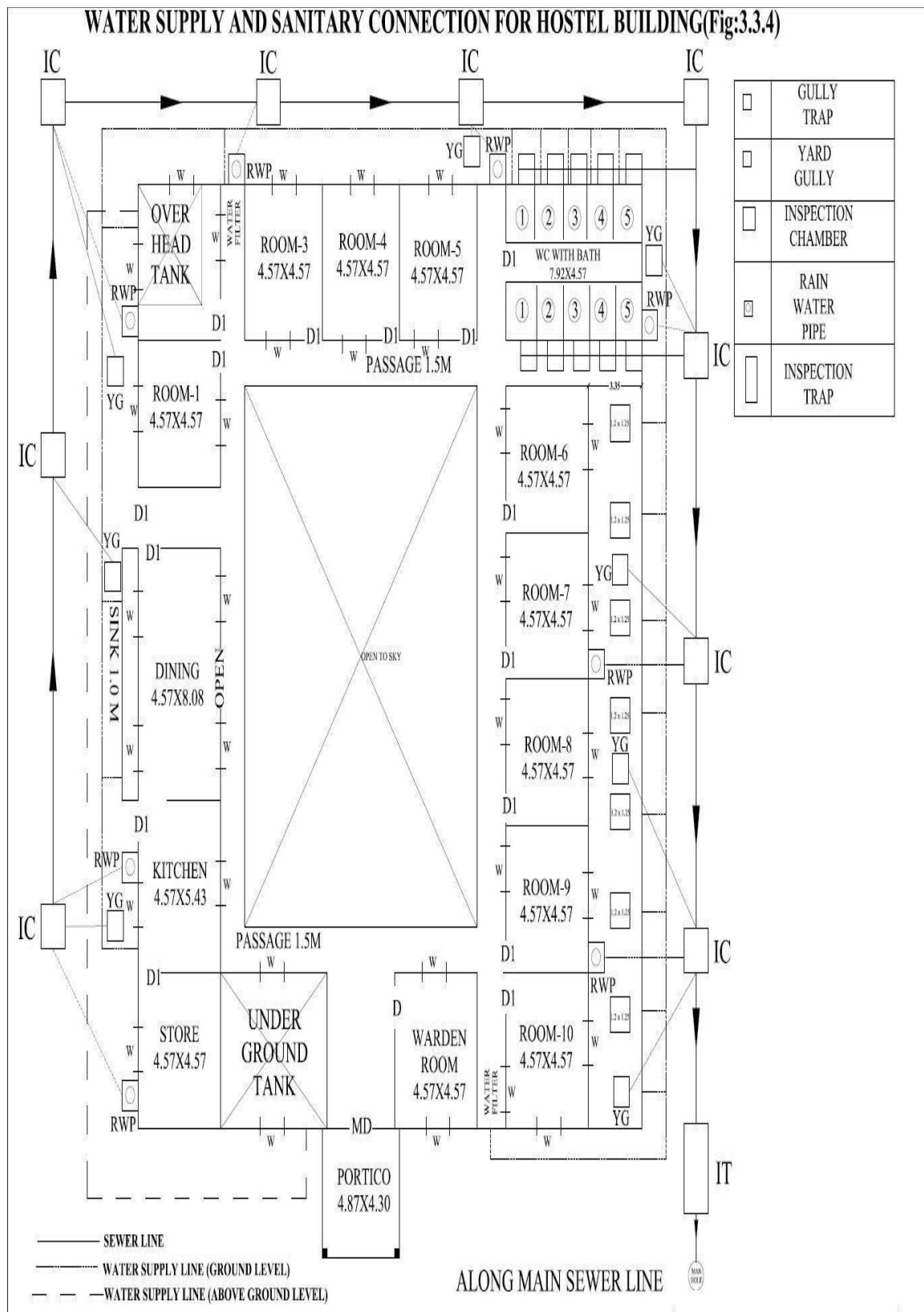
	5 AMP SWITCH		TUBE LIGHT
	5 AMP SWITCH WITH SOCKET		FAN
	15 AMP SWITCH WITH SOCKET		EXHAUST FAN
	BRACKET LIGHT		TELEVISION POINT
	DROP LIGHT		TELEPHONE POINT
	SOCKET / CEILING LIGHT		DISTRIBUTION BOARD
	BULK HEAD		PUSH BUTTON FOR BELL

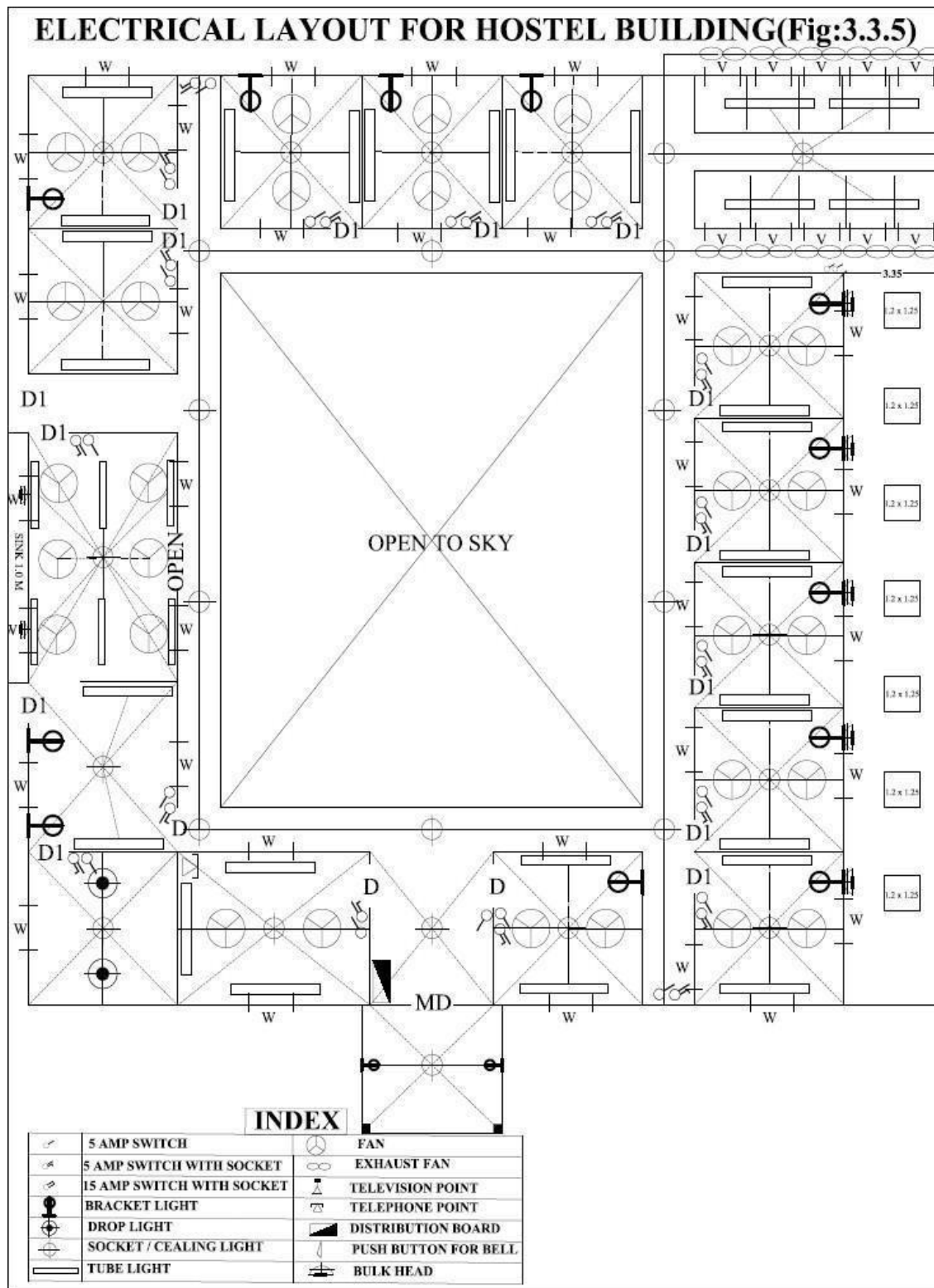
EXERCISE:7.3

Draw plan, elevation and sectional elevation including electrical, plumbing and sanitary services for a given line diagram of Hostel building

Q.no.3.3:-LINE DIAGRAM OF HOSTEL BUILDING



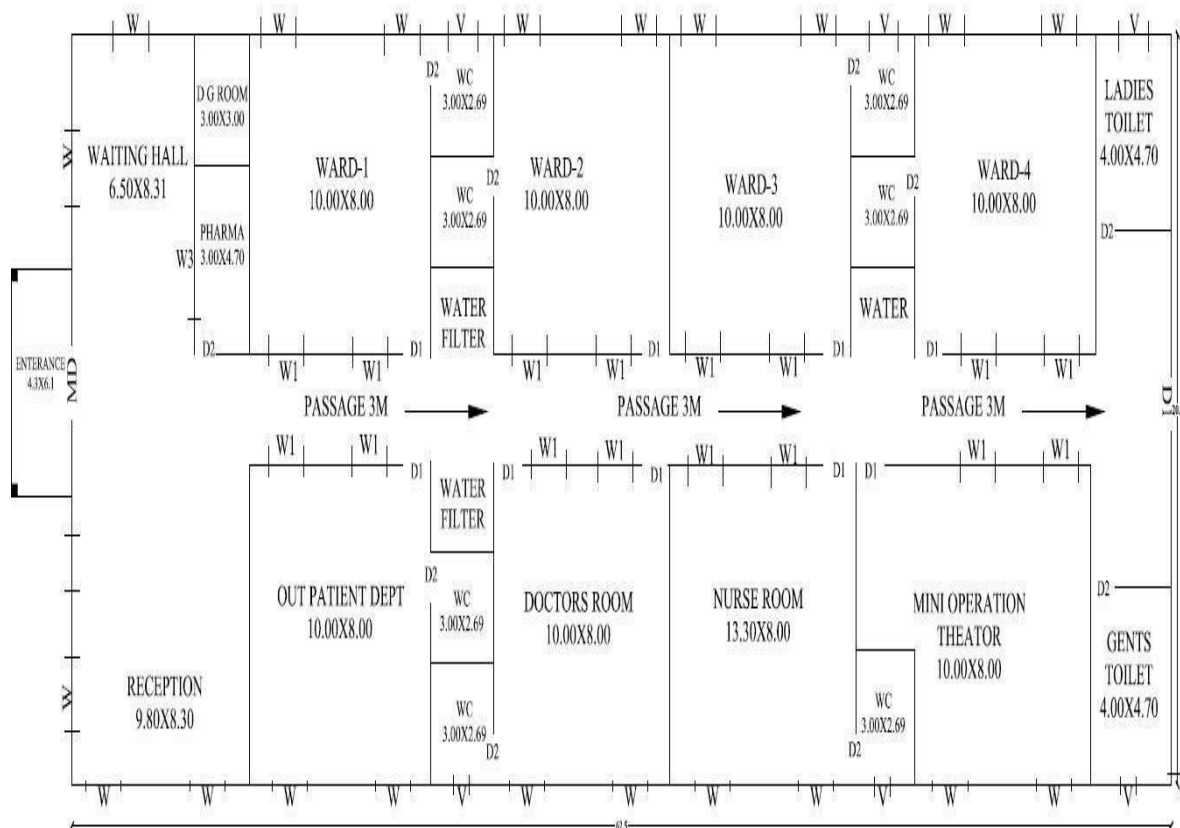




EXERCISE:7.4

Draw plan, elevation and sectional elevation including electrical, plumbing and sanitary services for a given line diagram of Hospital building

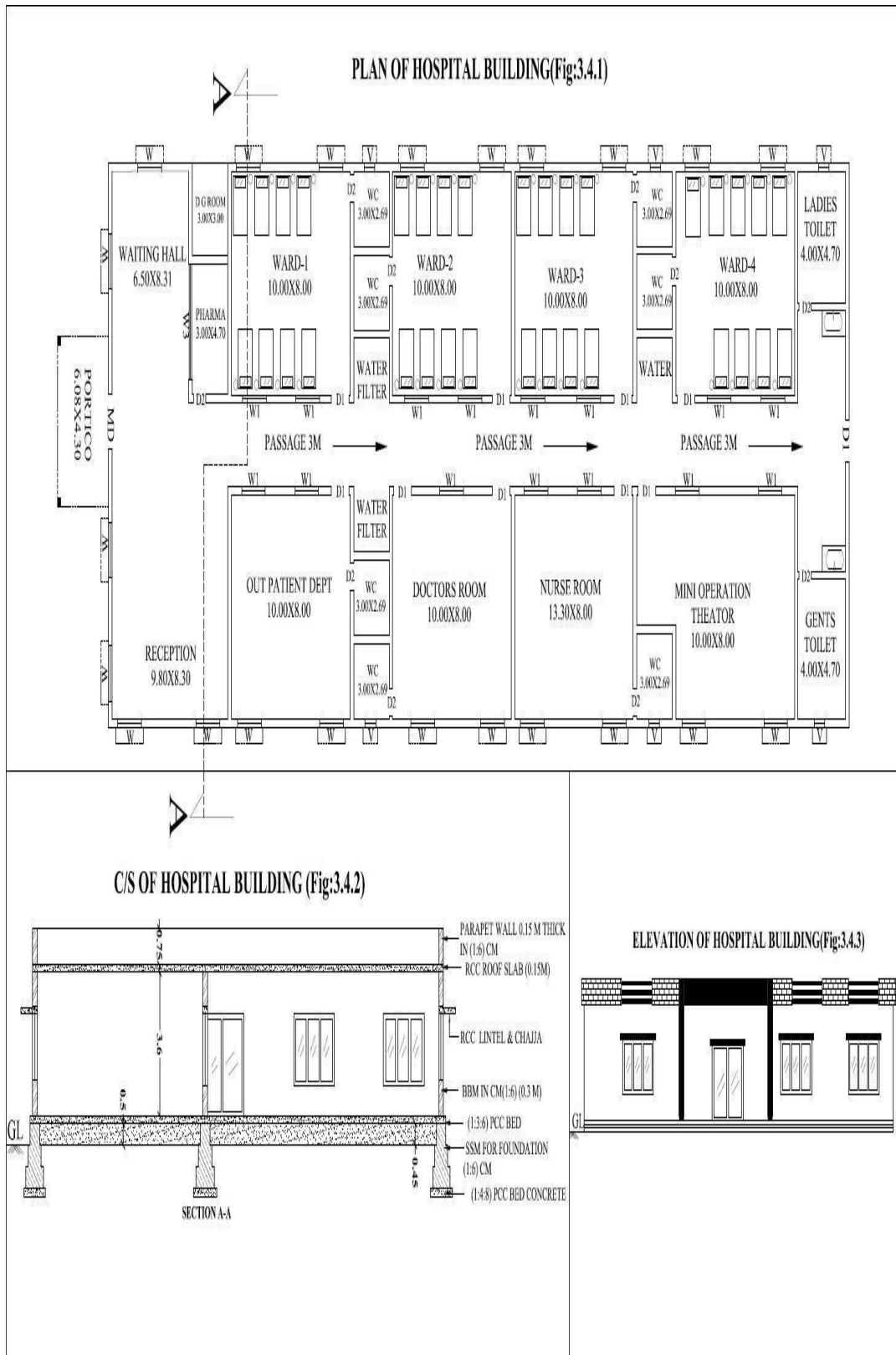
Q.no.3.4:-LINE DIAGRAM OF HOSPITAL BUILDING

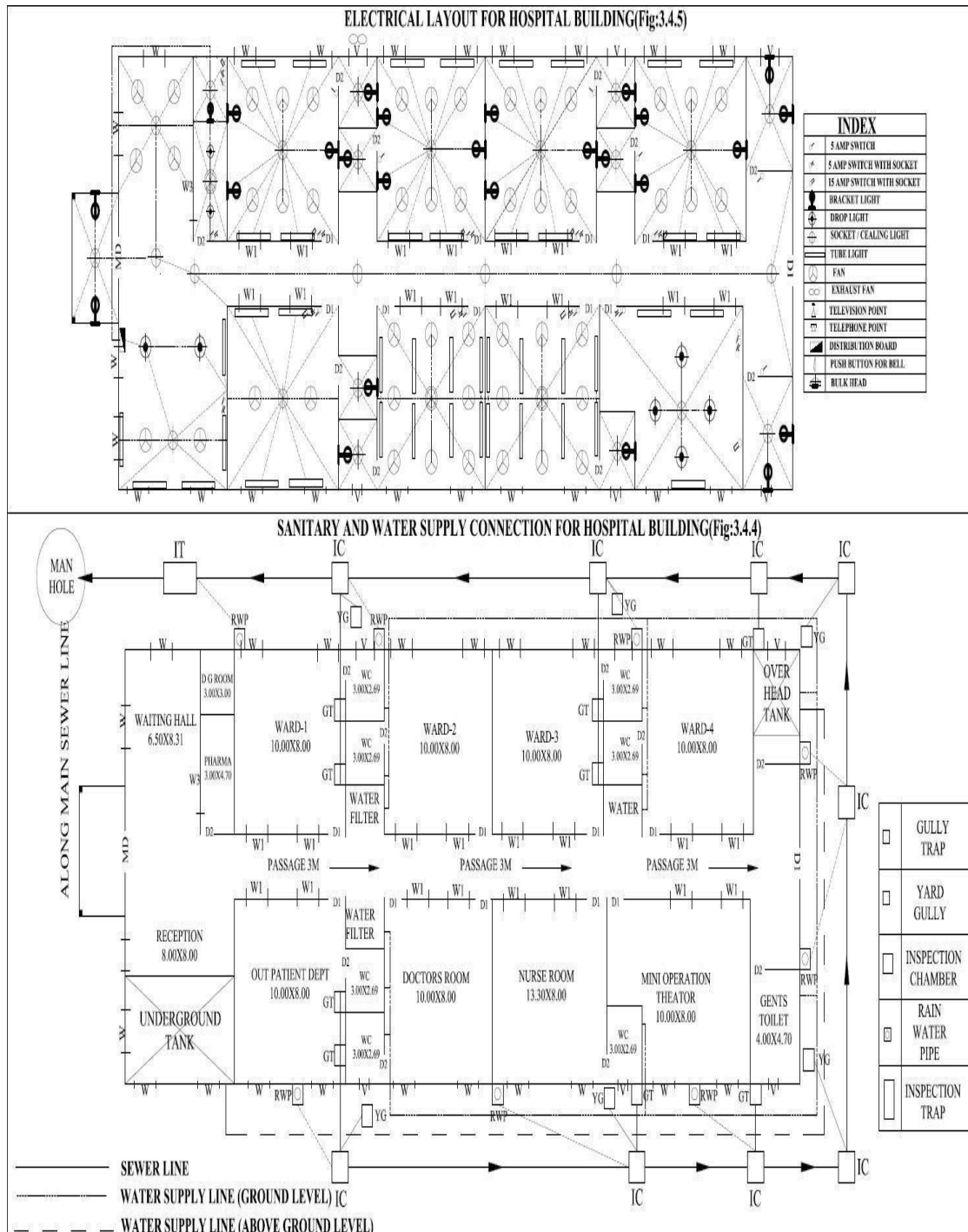


SCHEDULE

D	= 1.5 x 2.1 m
D1	= 0.9 x 2.1 m
D2	= 0.75 x 2.1 m
W	= 1.5 x 1.2 m
W1	= 1.2 x 0.75 m
W2	= 1.0 x 0.75 m
W3	= 1.0 x 4.1 m
V	= 0.9 x 0.9 m
V1	= 0.75 x 0.6 m

Floor height=3.6 m
Wall thickness=0.3m





EXERCISE:7.5

Draw plan, elevation and sectional elevation including electrical, plumbing and sanitary services for a given line diagram of school building

