

***BHARTIYA INSTITUTE OF ENGINEERING & TECHNOLOGY  
SIKAR***

***DEPARTMENT OF CIVIL ENGINEERING***



***LAB MANUAL***

***4CE4-23 BUILDING DRAWING***

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# ***LIST OF EXPERIMENTS***

1.To plan and draw working drawing of a Residential building with following detail.

(A) Site plan

(B) Foundation plan

(C) Plan

(D) Two sectional elevations

(E) Front elevation

(F) Furniture plan

(G) Water supply and sanitary plan

(H) Electric fitting plan

2.To design and draw a Primary Health Center

3.To design and draw a Primary School

4. To design and draw a Rest House

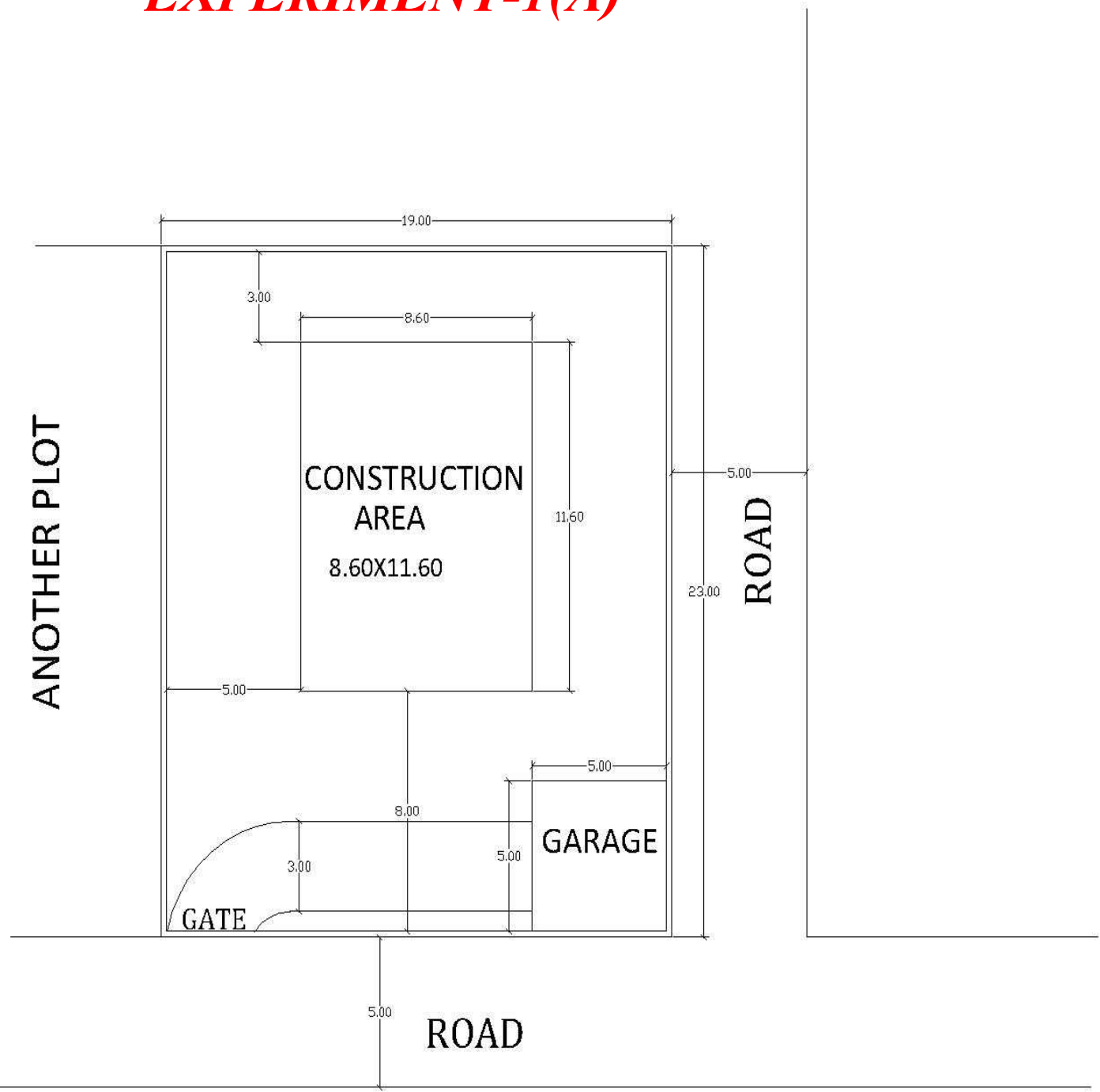
5.To design and draw a Post Office

6. To design and draw a Bank

7. To design and draw a College Library

8. To design and draw a Cinema Theatre

**EXPERIMENT-1(A)**



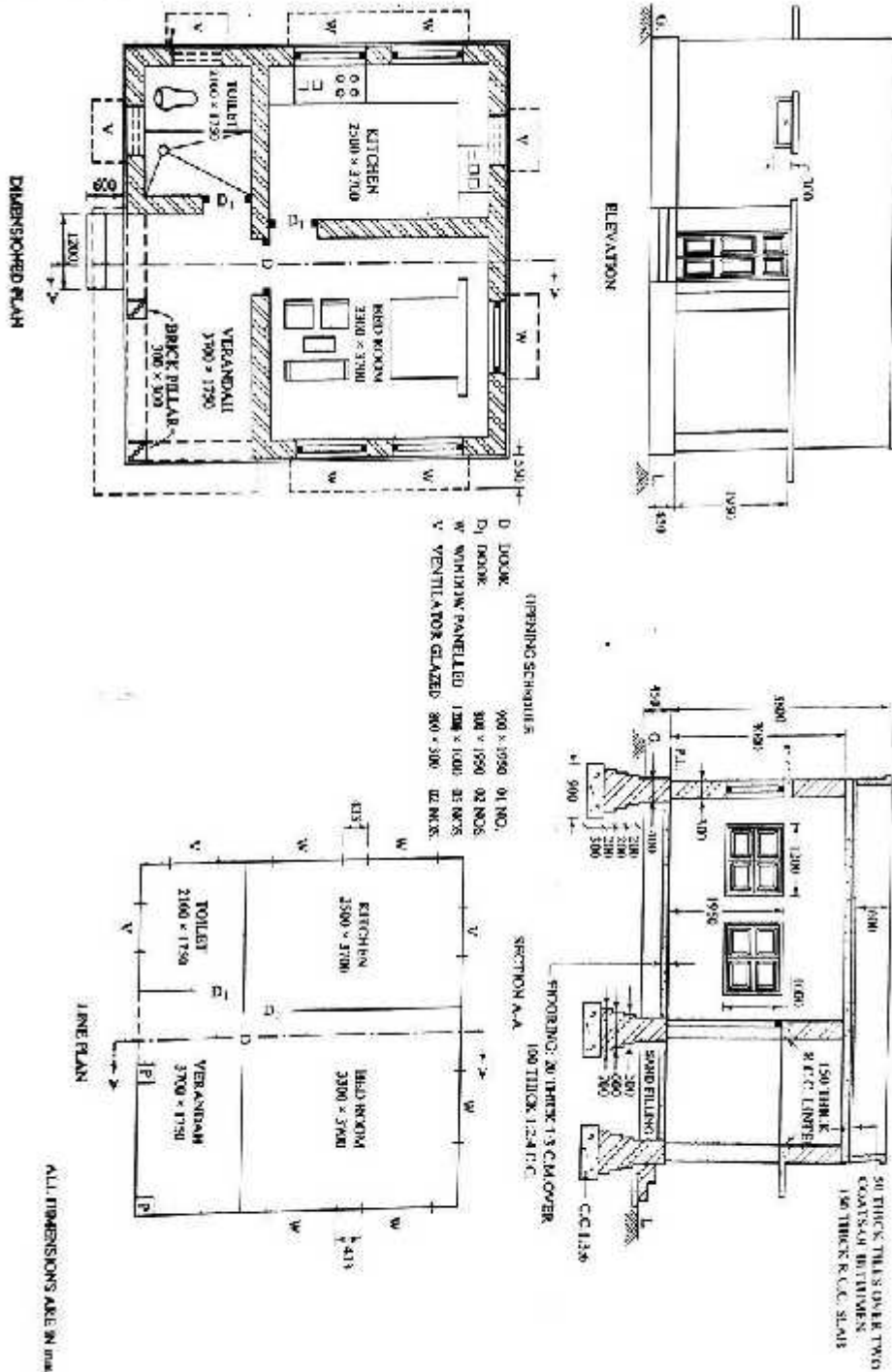
SITE PLAN

SCALE:- 1 M: 1 CM

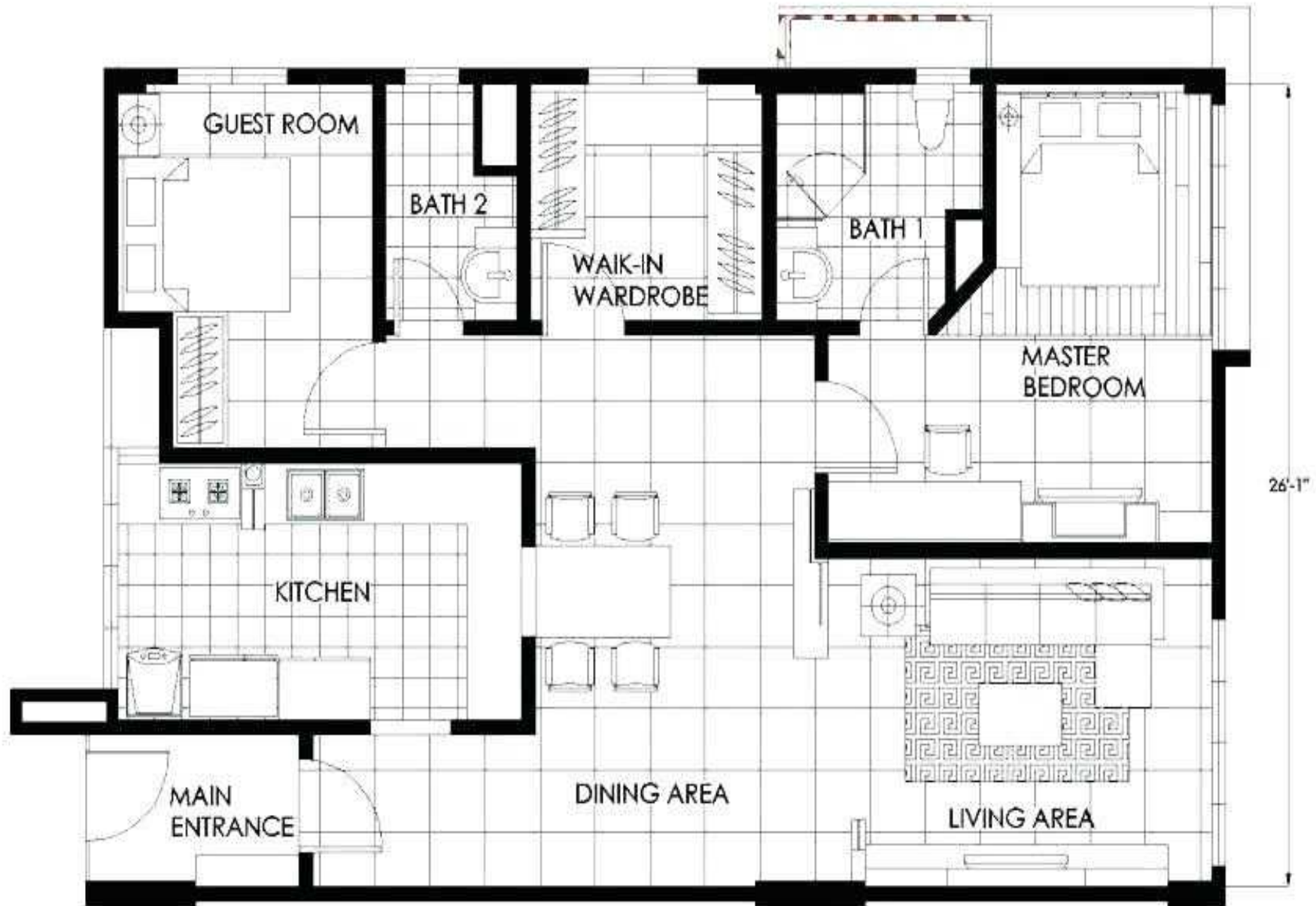
# EXPERIMENT- 1(B,C,D,E)

a. Residential building

Draw plan, elevation and section for the residential building for the following diagram.

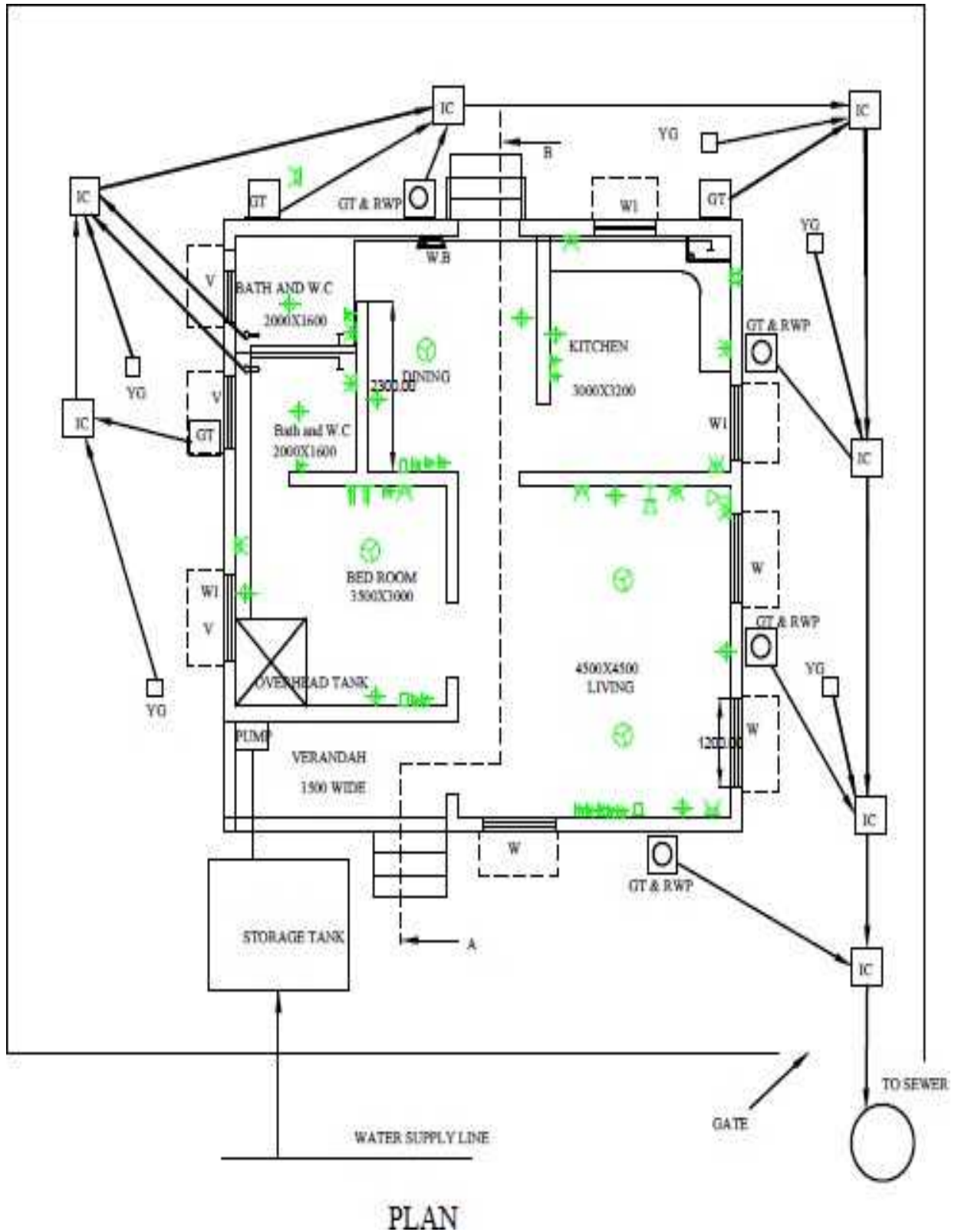


# EXPERIMENT- 1(F)

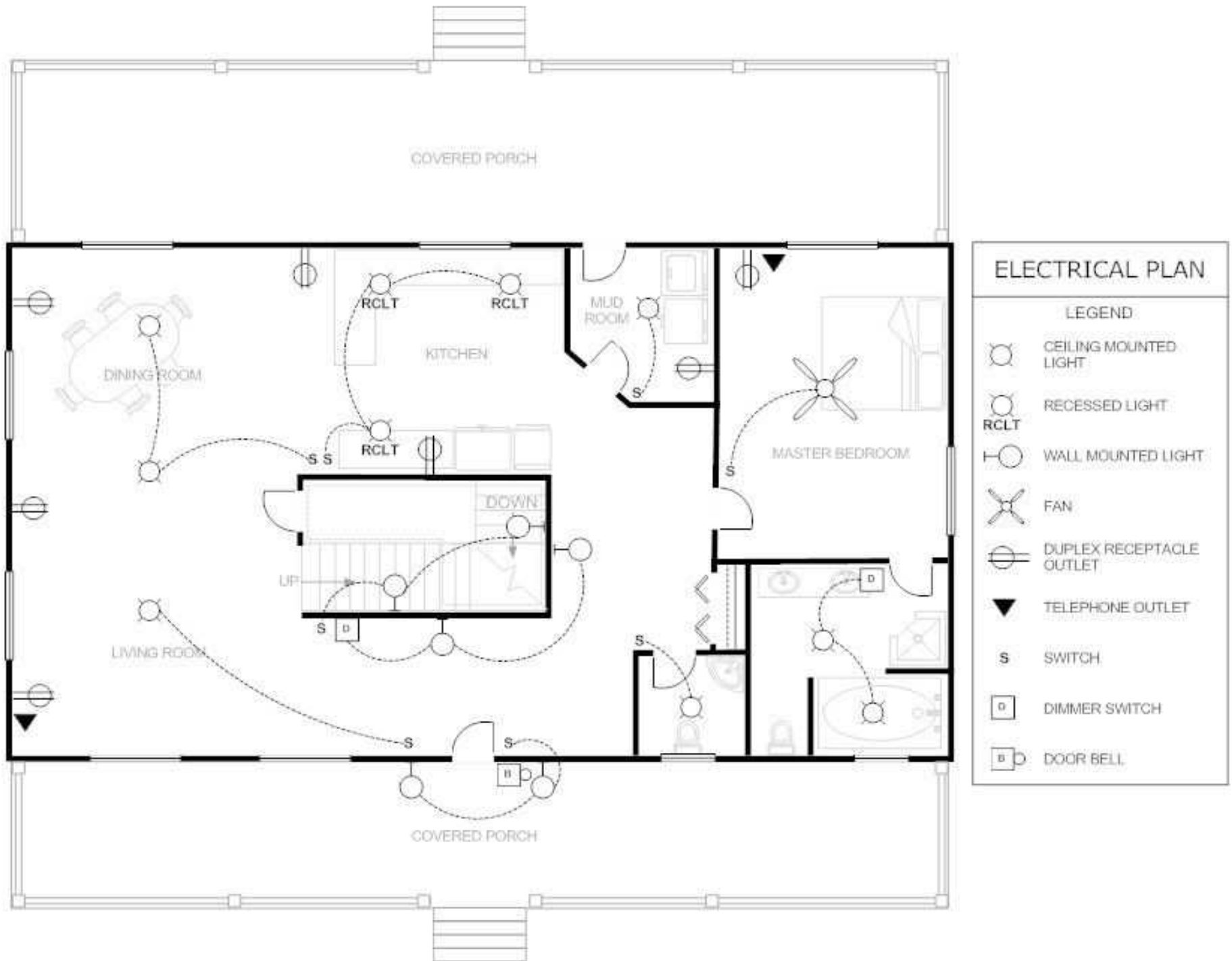


# EXPERIMENT-1(G)

## Water Supply and Sanitary Layout for Residential Building

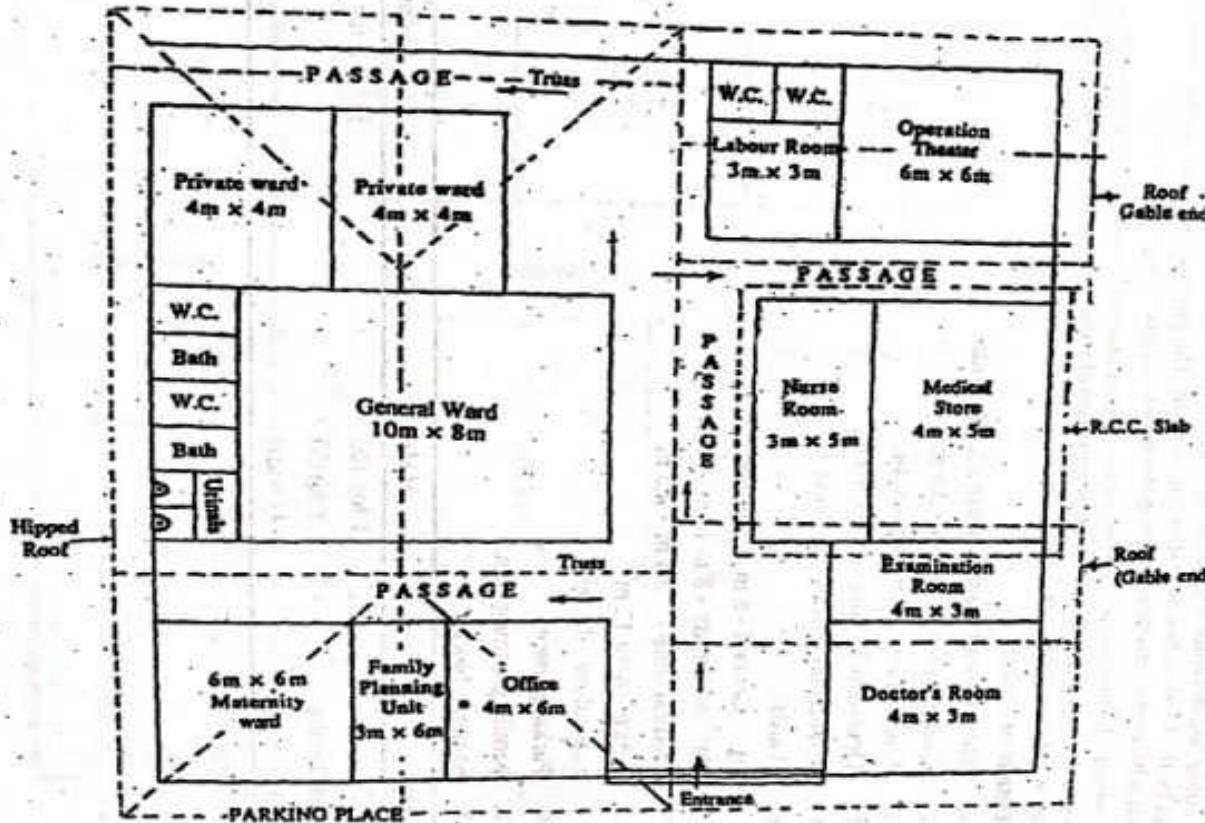


# EXPERIMENT- 1(H)





# EXPERIMENT-2





# EXPERIMENT-3

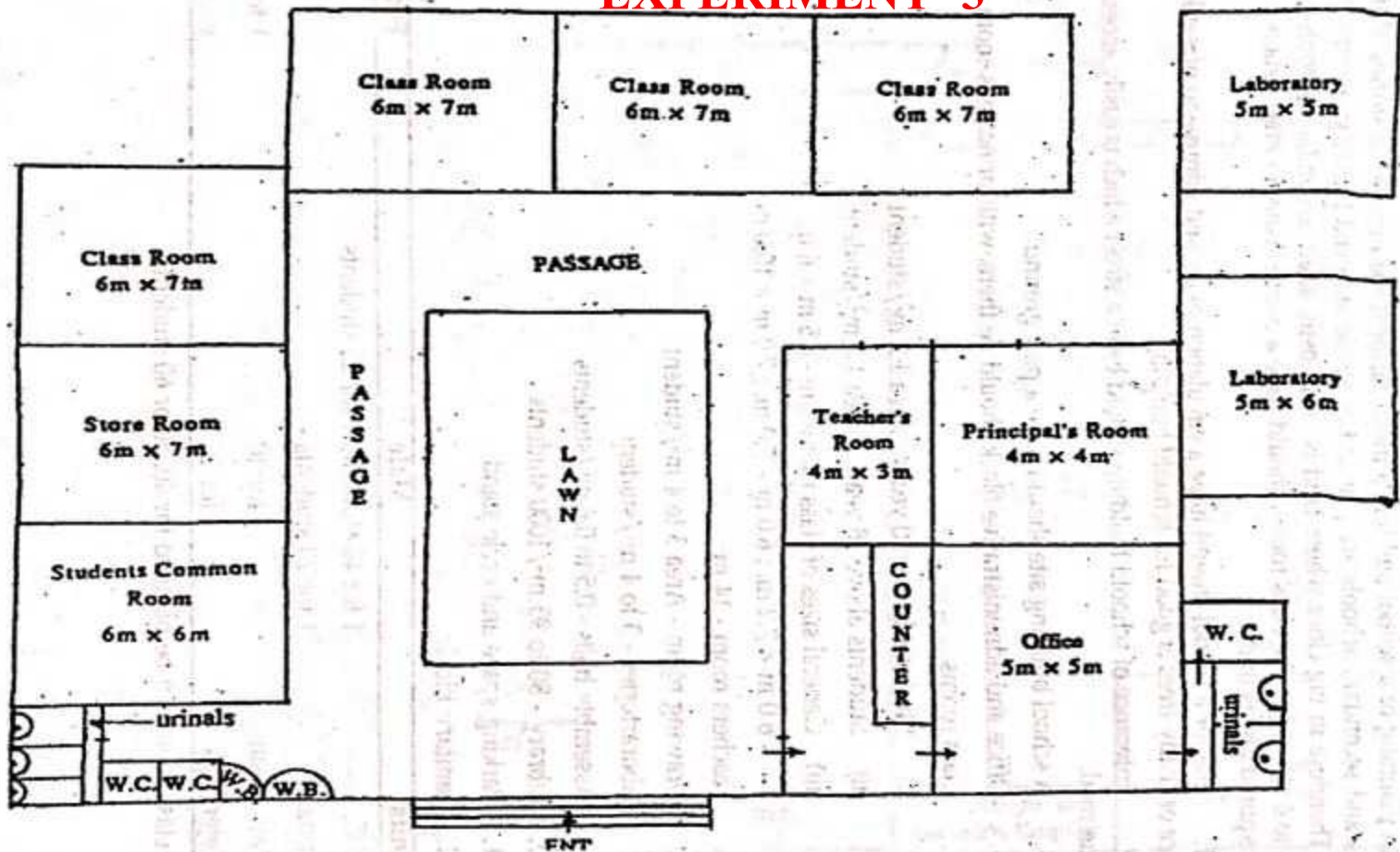
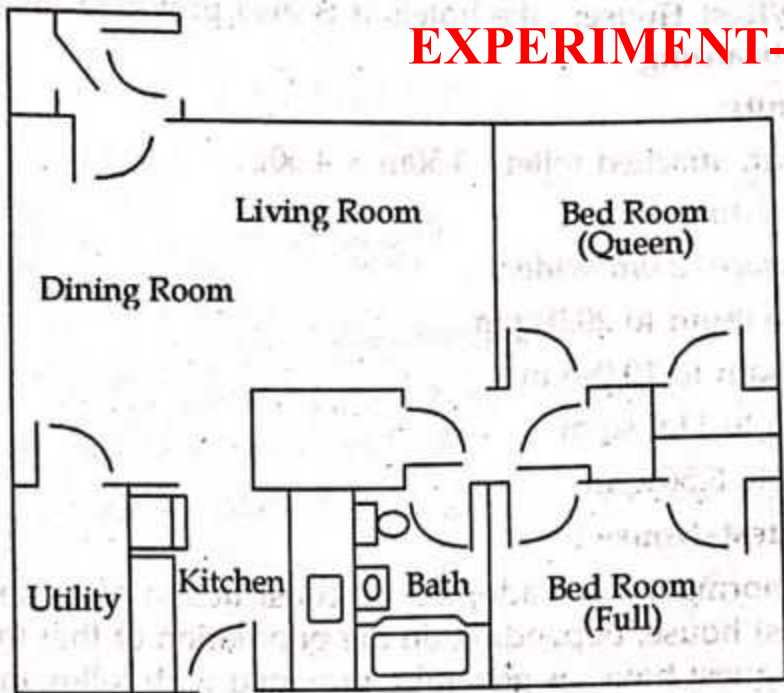
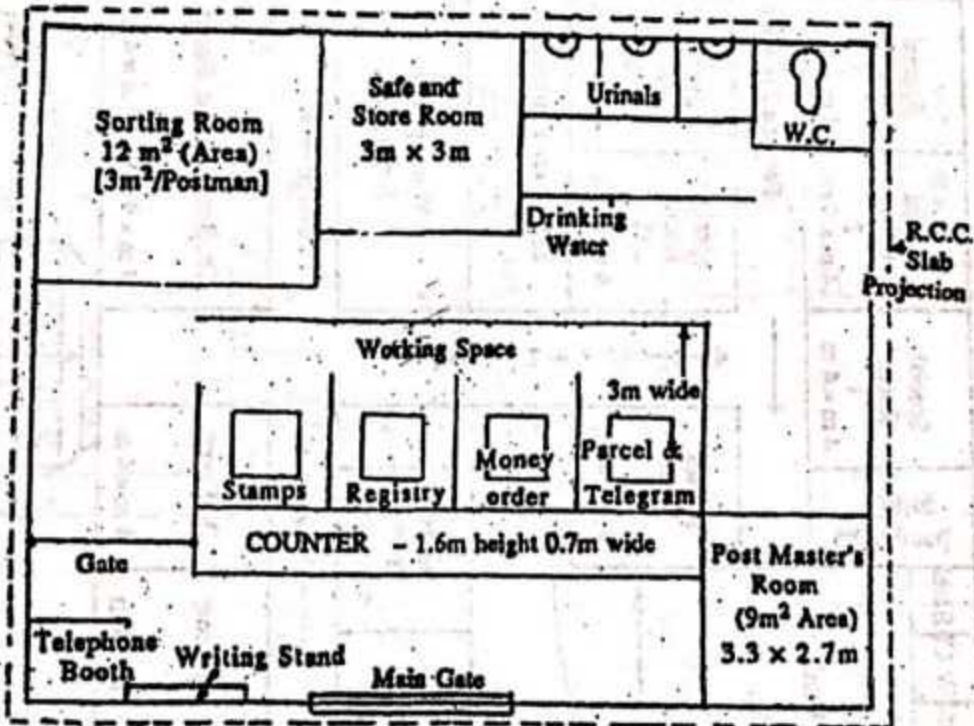


Figure 4.24 : Line plan of a school (not to the scale)

# EXPERIMENT- 4



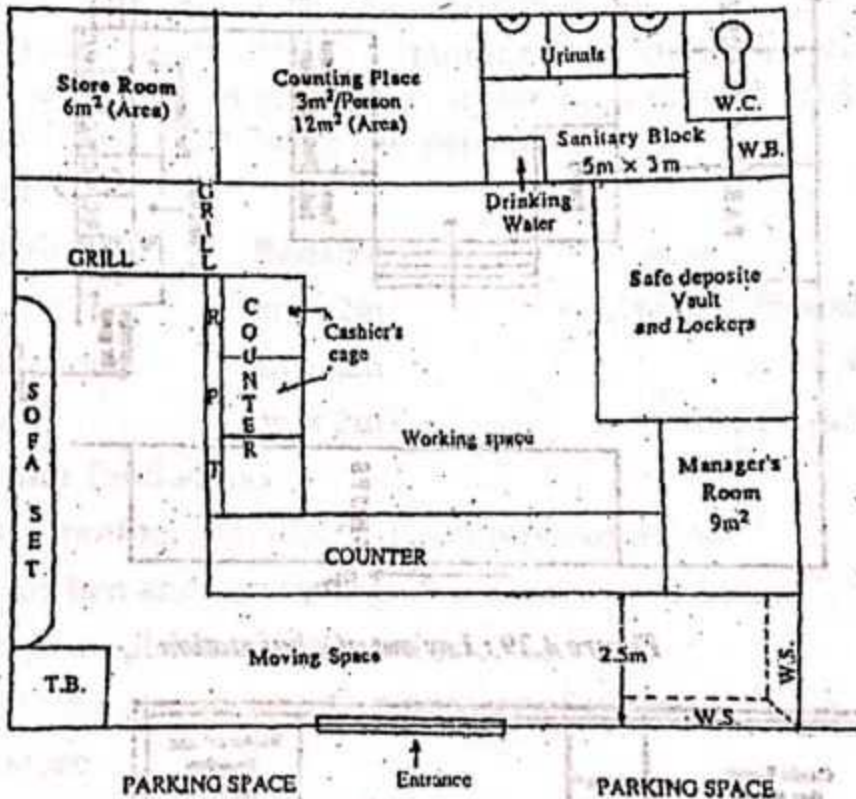


(P.B.)      (P.B.)  
 P.B. → Letter Box

↑  
 PARKING SPACE

**EXPERIMENT-5** ROAD

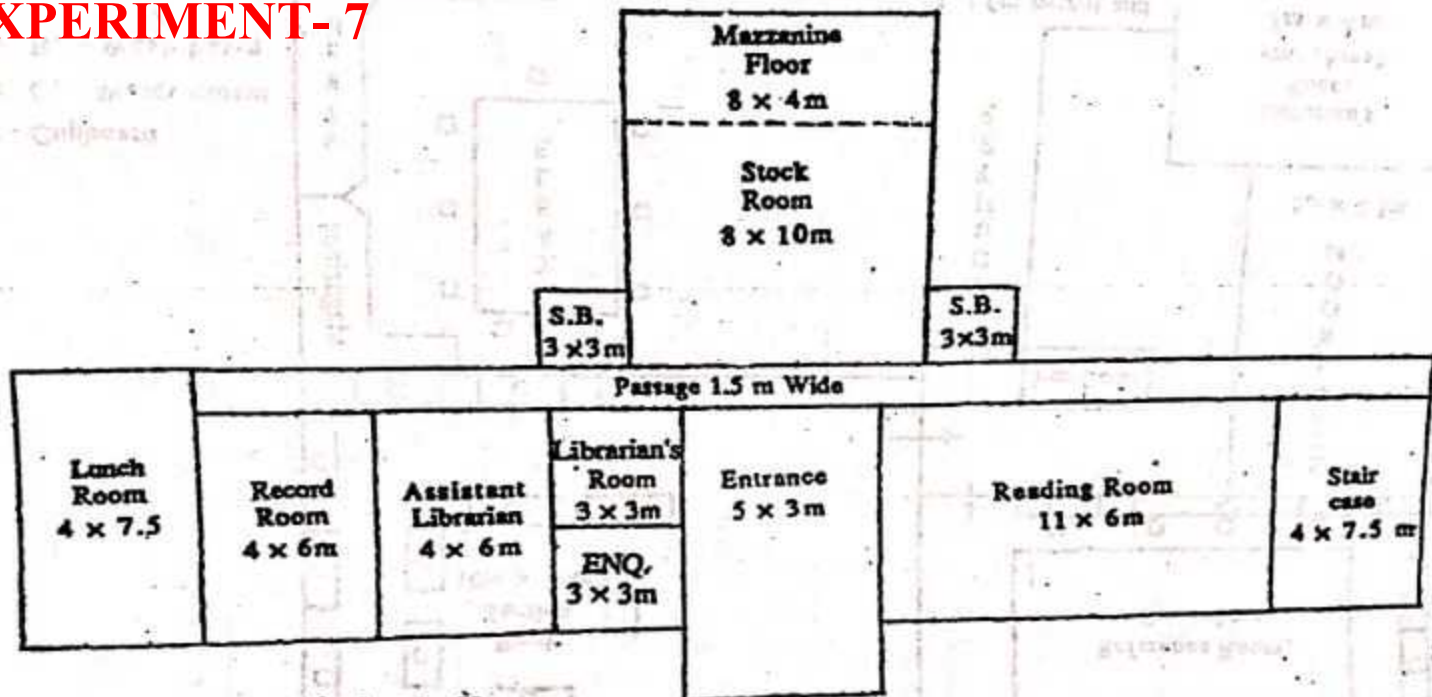
Figure 4.27 : Line plan of a post office (not to the scale)



# EXPERIMENT-6

LINE PLAN OF A BANK (not to the scale).

# EXPERIMENT- 7



Scale - 1 : 50

LIBRARY BUILDING

S.B. → Sanitary Block

Figure 4.22 : Line plan of library

# EXPERIMENT- 8

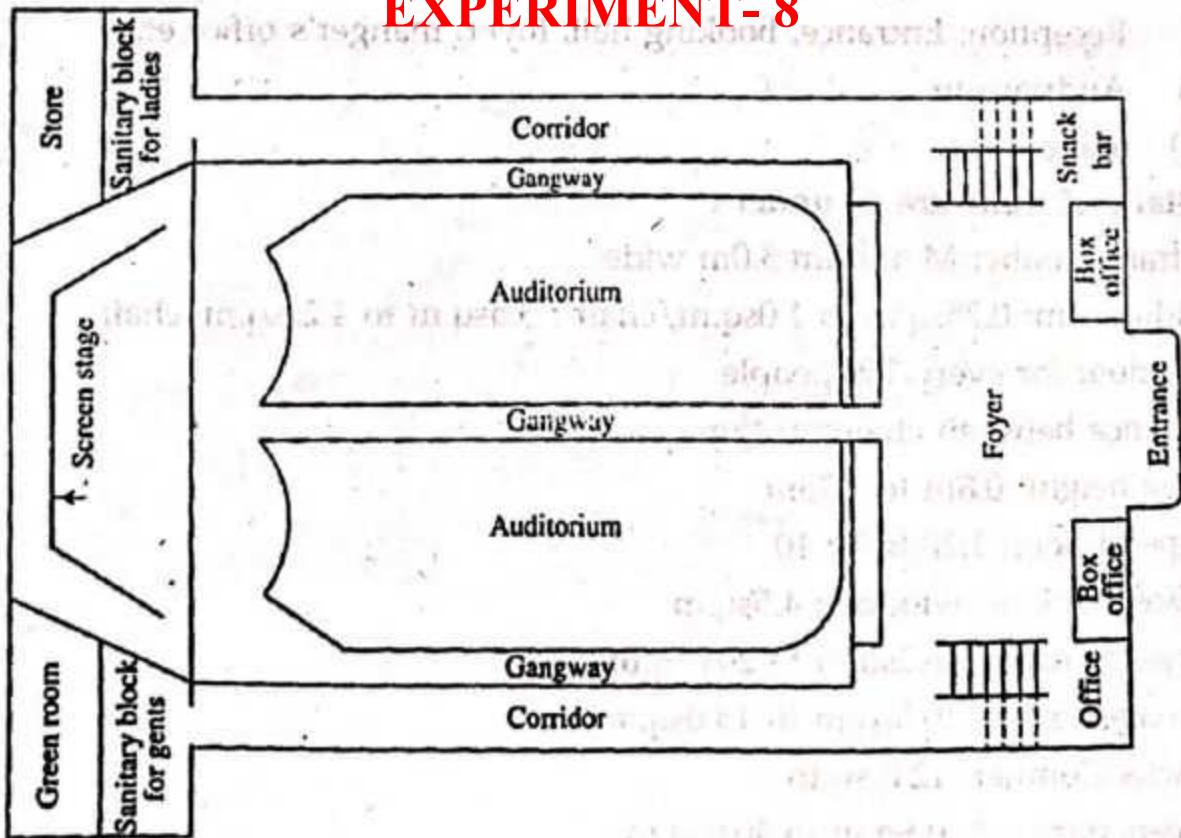


Figure 4.32 : A typical layout plant of a cinema building