

## TYPES OF DOORS

Aim :-

To draw the elevation of Revolving door, Sliding door, Louvered door, Rolling steel shutter, Aluminium swing door and Collapsible steel door.

Task: 1 (Revolving door)

Data:

- \* Size of door = 1800mm dia
- \* Scale = (1:20)

Procedure:

- \* The door may consist of centrally placed mullion to which four radiating shutters are provided.
- \* The vertical rubber piece are provided at the rubbing ends of shutter to prevent draught of air.

Task: 2 (Sliding door)

Data:

- \* Width = 1.8m
- \* height = 2.1m
- \* Scale = (1:20)

Procedure:

- \* The shutters slides on the sides with help of runner and guide rails.
- \* The shutters may be of one or more several leaves and can slide either on one side or both the sides.

## Task: 3 (Louvered door)

Data:

\* Width = 900 mm

\* Height = 2100 mm

Scale (1:20)

Procedure:-

- \* The louvered door <sup>are</sup> arranged and partially paneled.
- \* This is achieved by fixing the upper back edge of a louver, higher than the lower front edge of the louver just about it.
- \* A vertical piece of timber is provided to which louvers are attached through hinges.

## Task: 4 (Rolling steel shutter)

Data:

\* Width = 3000 mm

\* Height = 3000 mm

\* Scale (1:20)

Procedure:-

- \* A rolling steel shutter may consist of a frame, a drum and shutter of thin steel plate or iron sheet of thickness about 1 mm.
- \* Grooves of about 25 mm thickness are left in the frame. A horizontal shaft and springs are provided in the drum at the top.
- \* The diameter of drum is about 20 cm - 30 cm

## Task: 5 (Swing door)

Data:

Width = 900 mm, height = 2100 mm

## Procedure

- \* A swing door shutter moves both inward and outward as desired
- \* Such doors have single leaf, but two leaves can also be provided.
- \* Such doors are not rebated at the meeting styles

## Task: 6 (Collapsible steel door)

### Data:

Size of door:

\* Width = 1.8 m

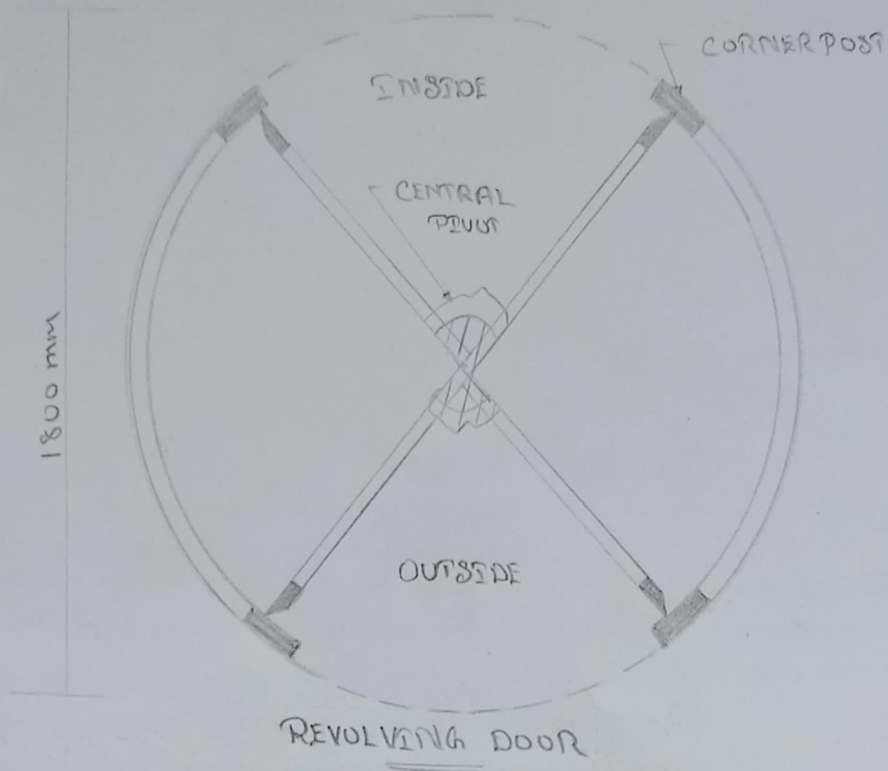
\* Height = 2.1 m

\* Spacing of vertical channels = 100 - 200

\* Thickness = 5 mm.

### Procedure

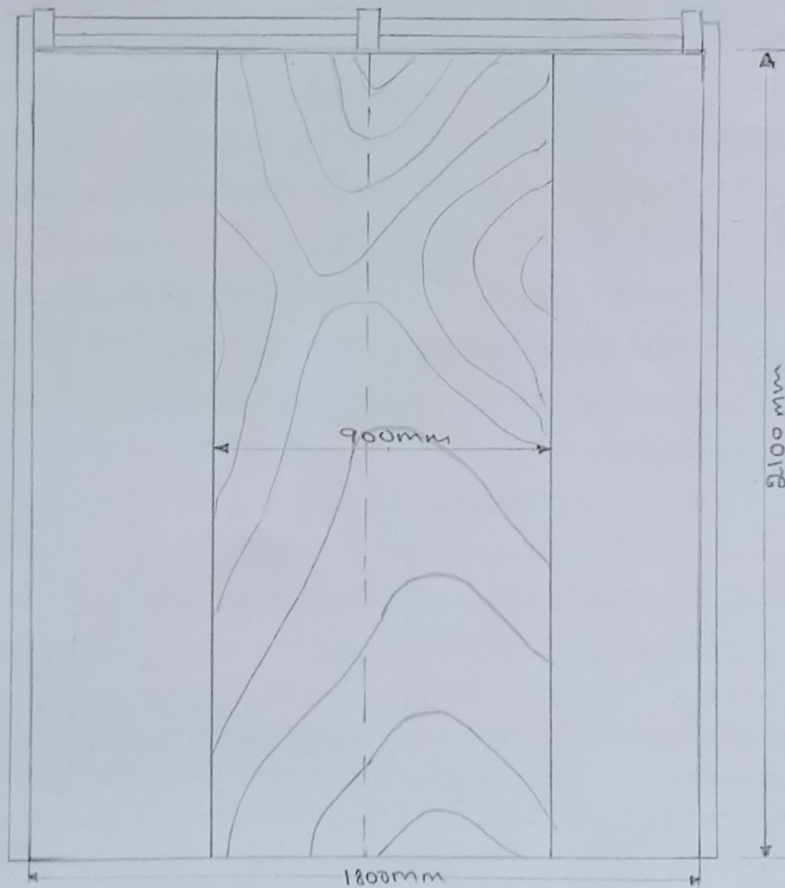
- \* Draw 10 vertical channels in open condition of left side and verticals in closed condition on right side.
- \* Draw the flats diagonally b/w the channels. Mark the rivet heads at the junction of channels and plates.

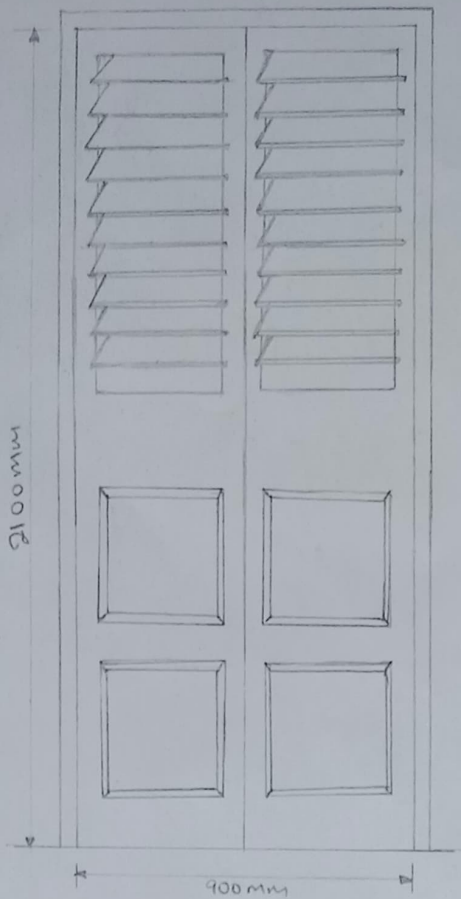


SCALE-1:20

SLIDING DOOR

SCALE-1:20



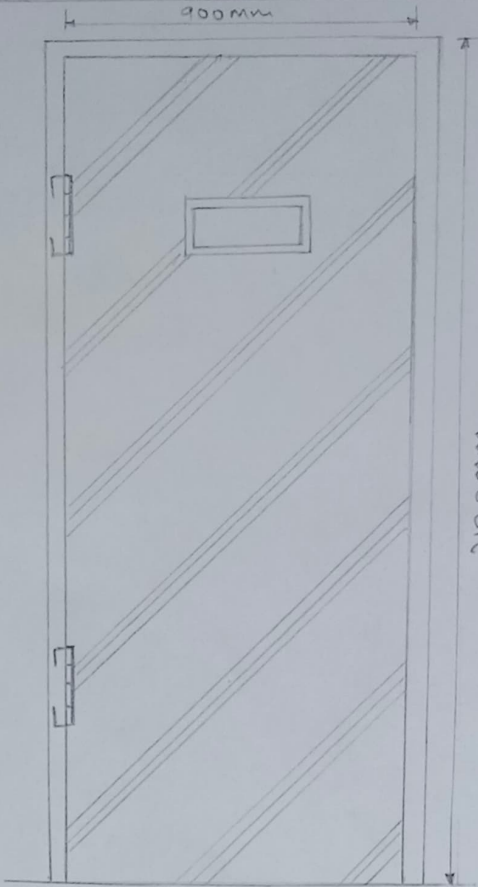
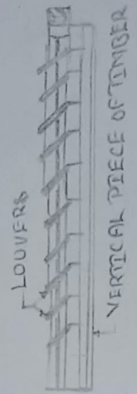


2100mm

900mm

LOUVERED DOOR

SCALE-1:20



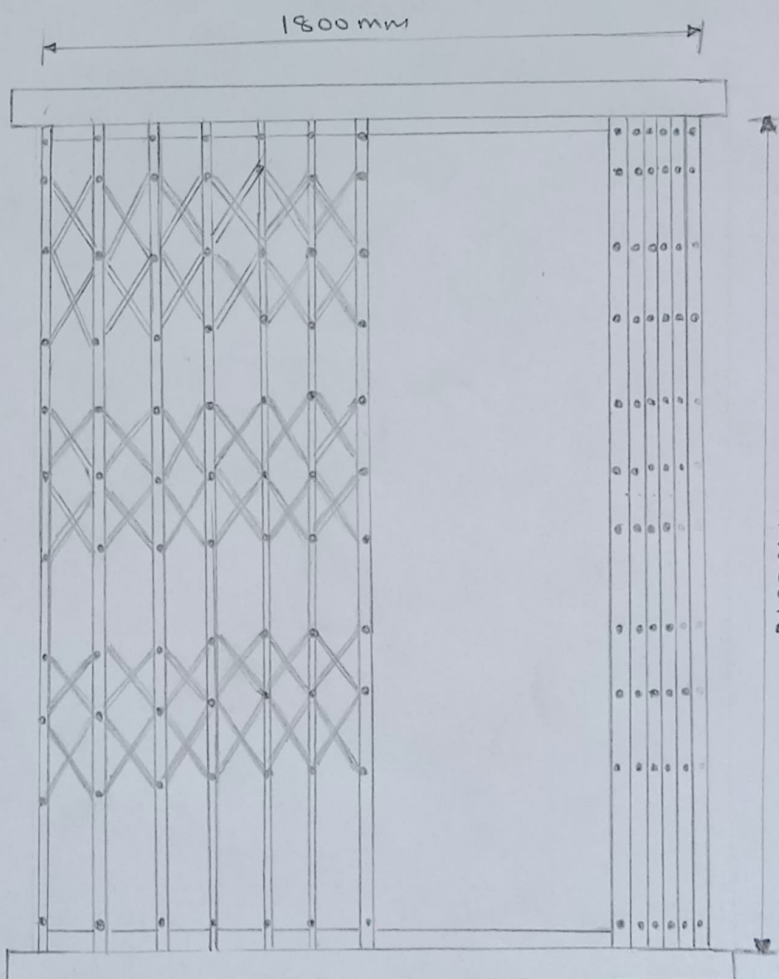
900mm

2100mm

SCALE 1:20

ALUMINIUM SWING DOOR

SCALE-1:20

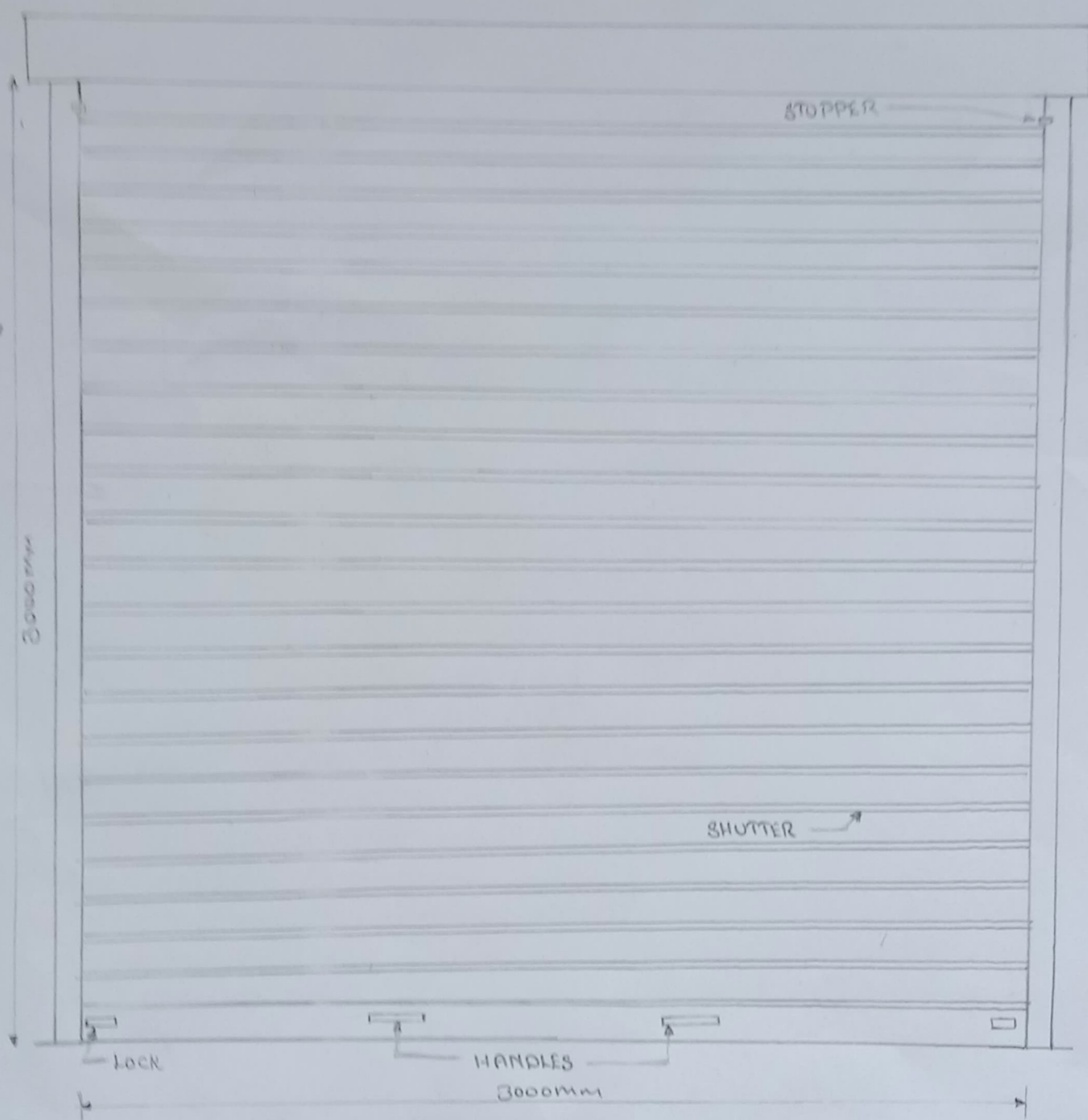


1800mm

2100mm

COLLAPSIBLE STEEL DOOR

SCALE - 1:20



ROLLING SHUTTER