

MicroStation Advanced

Multipurpose Commercial Complex

Scenario: A busy street with an available space of 500sq. meters in rectangular survey plane. This space is to be utilized by a commercial builder where a multi-purpose commercial complex is proposed.

Aim:

To model a G+2 multipurpose commercial building, on a busy street with total area of 500sq. meter.

Floor purpose are discussed as follows: The Internal partition walls may vary on each floor.

Ground Floor (G) – Convenience stores for the street with store room attached.

First Floor (G+1) – Coffee house, commercial kitchen and connected counter area. Seating area with separate restroom attached.

Second Floor (G+2) – A independent book shop, including study zone, store room and separate restroom.

Also, to mention exclusive area for lift and stair case to be provided within the complex.

Tasks to perform:

1. Create a floor plan at sill level.
2. Front Elevation of the complex 3D.
3. Scheduling of doors and windows.
4. Define space for lift area and staircase.
5. Model stair case.
6. Generate a final 3D model of the building.
7. Exclude footing details.

Materials: Wood/timber, cement concrete, steel and glass, as per convenience can be used. The major focus must be toward the aesthetic appearance of the building with maximum detailing.

Scale: As per convenience.

Judging Criteria:

1. Innovative use of 500 sq. meters space.
2. Aesthetical appearance and complexity of the 3D Model.