

[illegible]

Figure 1.1 is a sectional elevation of a building showing vertical dimensions and structural components. The diagram includes a parapet wall, roof slabs, brick masonry, lintels, flooring, and foundation. Vertical dimensions are given in meters: 0.11, 3.05, 0.1100, 3.05, 0.0000, 0.90, and 0.20. Horizontal dimensions are 0.6000 and 0.3000. Structural components are labeled: PARAPET WALL, ROOF SLAB R.C.C 1:2:4, BRICK MASONRY, LINTEL CUM SUNSHADE 1:2:4, ROOF SLAB R.C.C 1:2:4, BRICK MASONRY, LINTEL CUM SUNSHADE 1:2:4, Flooring in C.C 1:4:8, R.R. masonry in c.m. 1:6, and P.C.C 1:4:8.

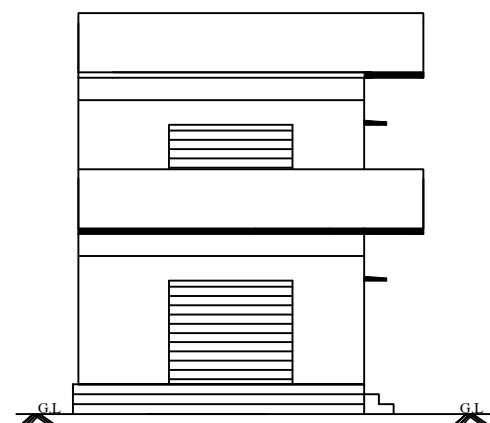
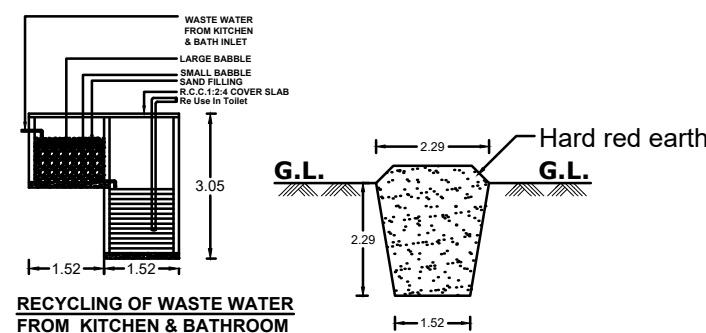


Diagram illustrating the cross-section of a concrete slab on a prepared subgrade. The slab is 1.57m wide and 0.37m thick. The subgrade consists of Sand refilling (0.37m wide), Brick dust refilling (1.57m wide), and R.R. dry backing (0.37m wide). The total width of the subgrade is 2.31m.



A cross-sectional diagram of a water tank. The diagram shows a rectangular structure with several layers. At the top is a horizontal line labeled 'R.C.C. COVER SLAB'. Below this is a vertical line labeled 'P.V.C. PIPE'. The next layer is a wavy line labeled 'G.I.' (Galvanized Iron). Below that is a layer of diagonal hatching labeled 'R.R. DRY MASONRY'. This is followed by a layer of dots labeled 'SAND FILLING'. The bottom layer is a layer of cross-hatching labeled 'BRICK JELLY'. A vertical pipe enters from the top, goes through the R.C.C. slab, and then turns horizontally through the P.V.C. pipe, G.I. sheet, and masonry layers, ending in the sand filling layer.

Diagram illustrating the construction details of a staircase. The diagram shows a side elevation of a staircase with the following dimensions and components:

- Hand Rails:** 1.20m Height
- Rise:** 0.175
- Run:** 0.30
- Tread:** 0.30M
- Raise:** 0.175M
- Staircase Details**
- Scale:** 1:500
- Construction Details:**
 - Brick Work in Cement
 - Motor 1:6
 - R.C.C. SLAB

The figure displays two architectural floor plans of a building, labeled (a) and (b). Both plans show a rectangular building footprint with a total width of 5.7700 and a total depth of 12.9126. The plans are divided into several rooms and a central passage.

Plan (a) - Left:

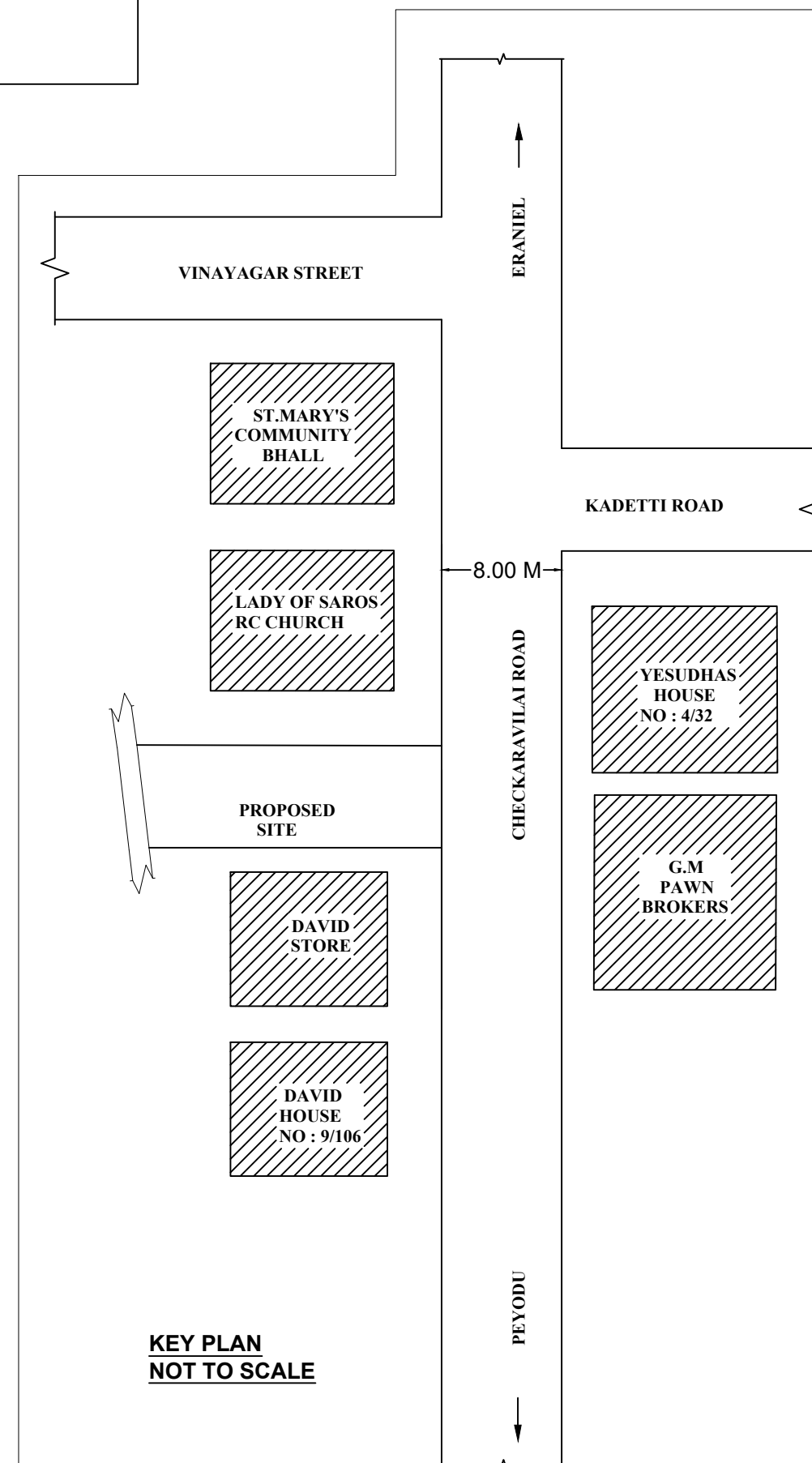
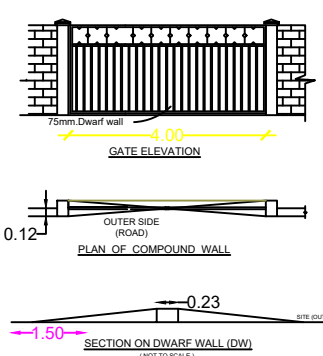
- TOILET:** Located at the top left, measuring 1.53 x 1.75.
- FLR_Hall:** Located at the top, measuring 2.70 x 3.31.
- SHOP 2:** Located in the middle, measuring 5.31 x 4.61.
- SHOP 1:** Located at the bottom, measuring 5.31 x 4.61.
- Dimensions:** The overall width is 5.7700, and the overall depth is 12.9126. The building is divided into sections with widths of 1.1500, 5.3100, and 5.7700, and depths of 2.7728, 4.6100, and 12.9126.

Plan (b) - Right:

- TOILET:** Located at the top left, measuring 1.53 x 1.75.
- FLR_Hall:** Located at the top, measuring 2.70 x 3.31.
- SHOP 2:** Located in the middle, measuring 5.31 x 4.61.
- SHOP 1:** Located at the bottom, measuring 5.31 x 4.61.
- PASSAGE:** A central passage area is shown, measuring 5.3100 in width and 4.6100 in depth.
- Dimensions:** The overall width is 5.7700, and the overall depth is 12.9126. The building is divided into sections with widths of 1.1500, 5.3100, and 5.7700, and depths of 2.7728, 4.6100, and 12.9126.

FIRST FLOOR PLAN

SOLAR WATER HEATING SYSTEM



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