

**SCALE- 1:100**

A detailed cross-section diagram of a parapet wall. The wall is shown in profile, with various layers and components labeled. From top to bottom, the layers are: a parapet wall (labeled 'PARAPET WALL'), a weathering course (labeled 'WEATHERING COURSE'), a concrete layer (labeled 'RCC 1:2:4'), a floor finishing layer (labeled 'FLOOR FINISHING'), and a concrete layer (labeled 'PCC 1:5:10'). The wall is supported by a foundation (labeled 'FILLING'). The ground level is indicated by a line with a cross-hatch pattern (labeled 'G.L.'). The diagram also shows a section line 'O.H.T.' and a section cut 'SECTION AT AA'.

## ELEVATION

## VIJAYA MANOHARAN PLOT

## SECTION AT AA

84

**35'0" (10.67)**

## KITCHEN

**0-800-678-9000**

2

22

**4.04x2.13**

100

**35'0" (10.67)**

## STREET

## SITE CUM GROUND FLOOR PLAN

853

## OPEN TERRACE

## OPEN TERRACE FLOOR PLAN

Technical drawing of a rectangular box with a lid, showing front and top views with dimensions in inches.

**FRONT VIEW:**

- Overall width: 1.20
- Overall height: 1.00
- Top flange thickness: 0.15
- Bottom flange thickness: 0.15
- Side flange thickness: 0.15
- Internal width: 1.00
- Internal height: 0.70
- Internal width offset: 0.10
- Internal height offset: 0.10
- Internal width offset: 0.10
- Internal height offset: 0.10

**TOP VIEW:**

- Overall width: 1.20
- Overall height: 1.00
- Top flange thickness: 0.15
- Bottom flange thickness: 0.15
- Side flange thickness: 0.15
- Internal width: 1.00
- Internal height: 0.70
- Internal width offset: 0.10
- Internal height offset: 0.10
- Internal width offset: 0.10
- Internal height offset: 0.10

**SECTION A-A:**

- Overall width: 1.20
- Overall height: 1.00
- Top flange thickness: 0.15
- Bottom flange thickness: 0.15
- Side flange thickness: 0.15
- Internal width: 1.00
- Internal height: 0.70
- Internal width offset: 0.10
- Internal height offset: 0.10
- Internal width offset: 0.10
- Internal height offset: 0.10

**SECTION B-B:**

- Overall width: 1.20
- Overall height: 1.00
- Top flange thickness: 0.15
- Bottom flange thickness: 0.15
- Side flange thickness: 0.15
- Internal width: 1.00
- Internal height: 0.70
- Internal width offset: 0.10
- Internal height offset: 0.10
- Internal width offset: 0.10
- Internal height offset: 0.10

The diagram illustrates a rainwater harvesting system. It starts with a roof where rainwater falls into a collection area. The water then flows through a downspout into a storage tank. From the tank, a pump draws water and sends it to a distribution system, which includes a pressure tank and a control valve. The system is labeled with various components: 'ROOF', 'DOWNSPOUT', 'STORAGE TANK', 'PUMP', 'PRESSURE TANK', 'CONTROL VALVE', and 'RAIN WATER HARVESTING SYSTEM'.



0.25 0.02

1.02

COMPOUND WALL WITH

Diagram illustrating the beam configuration for the first case. The beam is supported at both ends by upward reaction forces of 0.205. A central downward load of 0.41 is applied. The beam is divided into two segments of length 0.5 each, with a central segment of length 0.1.

| AREA STATEMENT                                                                                                                                                                                                                                            |                              | SQ.FT                                                                                 | SQ.M   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------|--------|
| PLOT EXTENT<br>AS PER DOCUMENT                                                                                                                                                                                                                            |                              | 1077.00                                                                               | 100.05 |
| PLOT EXTENT<br>AS PER SITE                                                                                                                                                                                                                                |                              | 1120.00                                                                               | 104.05 |
| GROUND FLOOR                                                                                                                                                                                                                                              |                              | 765.30                                                                                | 70.17  |
| PLOT COVERAGE                                                                                                                                                                                                                                             |                              | 70.13 %                                                                               |        |
| F.S.I                                                                                                                                                                                                                                                     |                              | 0.70                                                                                  |        |
| HEAD ROOM AREA                                                                                                                                                                                                                                            |                              | 97.19                                                                                 | 9.03   |
| SCHEDULE OF JOINERY                                                                                                                                                                                                                                       |                              |                                                                                       |        |
| TYPE                                                                                                                                                                                                                                                      | DESCRIPTION                  | SIZE                                                                                  |        |
| D1                                                                                                                                                                                                                                                        | DOOR                         | 2'-6" X 7'-0"                                                                         |        |
| D2                                                                                                                                                                                                                                                        | DOOR                         | 3'-0" X 7'-0"                                                                         |        |
| W1                                                                                                                                                                                                                                                        | WINDOW                       | 4'-0" X 4'-0"                                                                         |        |
| W2                                                                                                                                                                                                                                                        | WINDOW                       | 2'-0" X 4'-0"                                                                         |        |
| W3                                                                                                                                                                                                                                                        | WINDOW                       | 9'-0" X 4'-0"                                                                         |        |
| V1                                                                                                                                                                                                                                                        | VENTILATOR                   | 2'-0" X 2'-0"                                                                         |        |
| Dwarf Wall Details                                                                                                                                                                                                                                        |                              |                                                                                       |        |
| FOUNDATION<br>FOUNDATION AND EMBANKMENT IN RCD COLUMN AND<br>PLINTH BEAM OVER A BED OF RCD 1:4:8, 6"THICK<br>AS PER STRUCTURAL DETAILS.                                                                                                                   |                              |                                                                                       |        |
| SUPER STRUCTURE:-<br>SUPER STRUCTURE RING TIL , PLINTH, COUNTRY BURNT<br>BRICK WALLS WITH CEMENT MORTAR 1:5                                                                                                                                               |                              |                                                                                       |        |
| RCD MASONRY<br>FOOTING , COLUMN, PLINTH BEAM, LINTEL,<br>SUBBASE, FLOOR, ROOF BEAM, GLASS & STAIR WITH<br>RCD 1:4:8 UNBURNED NOMINAL SIZE<br>BROOKING STONES.                                                                                             |                              |                                                                                       |        |
| PLASTERING<br>WALLS INSIDE & OUTSIDE IN CM 1:6, 12mm TIL<br>CEILING IN CM 1:6 8mm TIL                                                                                                                                                                     |                              |                                                                                       |        |
| PAINTING<br>PUSHING THE WALL , CEILING WITH CEMENT PAINT<br>OVER A PRIMER COAT                                                                                                                                                                            |                              |                                                                                       |        |
| FLOORING<br>PUSHING THE FLOOR WITH 25 TH BRINDA FLOORING<br>OVER A BED OF PCC 1:4:8 6"TH AND REVER SAND                                                                                                                                                   |                              |                                                                                       |        |
| DOORS & WINDOWS<br>DOORS WITH COUNTRY WOODEN FRAME ,<br>82 TH, FLUSH DOOR SHUTTING , 82 PARTITIONING ,<br>PAINT FINISH                                                                                                                                    |                              |                                                                                       |        |
| WINDOWS WITH MEDIUM ANCHORED ALUMINIUM<br>OPENABLE SHUTTERS WITH 4 mm GLASS &<br>STONE AND PARTITIONING                                                                                                                                                   |                              |                                                                                       |        |
| COLOUR INDEX                                                                                                                                                                                                                                              |                              |                                                                                       |        |
| PROPOSED                                                                                                                                                                                                                                                  |                              |  |        |
| BOUNDARY                                                                                                                                                                                                                                                  |                              |  |        |
| EXISTING ROAD                                                                                                                                                                                                                                             |                              |  |        |
| ROAD                                                                                                                                                                                                                                                      |                              |  |        |
| EXISTING BUILDING                                                                                                                                                                                                                                         |                              |  |        |
| SCALE 1: 100                                                                                                                                                                                                                                              | ALL DIMENSIONS ARE IN METRES |                                                                                       |        |
| SIGN OF OWNER:-                                                                                                                                                                                                                                           |                              |                                                                                       |        |
| A.KARTHIKEYAN, B.E.,D.C.E(CIVIL)<br>REGISTERED ENGINEER<br>AVADI CITY MUNICIPAL CORPORATION<br>REG No.012/LB/2021/00008<br>TIRUVALLUR MUNICIPALITY<br>REG No.014/LB/2022/00009<br>No.163, N.M.ROAD, AVADI, CHENNAI-64<br>CELL No.98288389419, 7904919916, |                              |                                                                                       |        |
| SIGN OF REGISTER ENGINEER:-                                                                                                                                                                                                                               |                              |                                                                                       |        |