

STAIR ROOM LV.
STAIR W/D.

FIRST FLOOR LV.
2,350 SQ. FT.

PLANT LEVEL
4,500 SQ. FT.

GROUND LEVEL

The floor plan illustrates the layout of a theater building, divided into two levels: Level +0.5 (Stage) and Level +4.5 (Hall). The plan includes a ramp for disabled persons, a 120 cm high handrail, and various rooms like restrooms and a toilet. Dimensions are provided in millimeters and meters.

Level +0.5 (Stage):

- Overall width: 1123 mm
- Overall height: 1892 mm
- Stage area: 600 mm wide, 180 mm high
- Door D1: 180 mm wide
- Door D2: 180 mm wide
- Door D3: 180 mm wide
- Door D4: 180 mm wide
- Door D5: 180 mm wide
- Door D6: 180 mm wide
- Door D7: 180 mm wide
- Door D8: 180 mm wide
- Door D9: 180 mm wide
- Door D10: 180 mm wide
- Door D11: 180 mm wide
- Door D12: 180 mm wide
- Door D13: 180 mm wide
- Door D14: 180 mm wide
- Door D15: 180 mm wide
- Door D16: 180 mm wide
- Door D17: 180 mm wide
- Door D18: 180 mm wide
- Door D19: 180 mm wide
- Door D20: 180 mm wide
- Door D21: 180 mm wide
- Door D22: 180 mm wide
- Door D23: 180 mm wide
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- Door D26: 180 mm wide
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- Door D31: 180 mm wide
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- Door D41: 180 mm wide
- Door D42: 180 mm wide
- Door D43: 180 mm wide
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- Door D89: 180 mm wide
- Door D90: 180 mm wide
- Door D91: 180 mm wide
- Door D92: 180 mm wide
- Door D93: 180 mm wide
- Door D94: 180 mm wide
- Door D95: 180 mm wide
- Door D96: 180 mm wide
- Door D97: 180 mm wide
- Door D98: 180 mm wide
- Door D99: 180 mm wide
- Door D100: 180 mm wide

Level +4.5 (Hall):

- Overall width: 1123 mm
- Overall height: 1892 mm
- Handrail: 120 cm high
- Staircase: 120 cm wide
- Restroom: 180 mm wide
- Toilet: 180 mm wide
- Door D1: 180 mm wide
- Door D2: 180 mm wide
- Door D3: 180 mm wide
- Door D4: 180 mm wide
- Door D5: 180 mm wide
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- Door D93: 180 mm wide
- Door D94: 180 mm wide
- Door D95: 180 mm wide
- Door D96: 180 mm wide
- Door D97: 180 mm wide
- Door D98: 180 mm wide
- Door D99: 180 mm wide
- Door D100: 180 mm wide

Architectural floor plan of the ground floor (0.00) of a building. The plan shows a large rectangular area divided into two main sections by a central corridor. The left section contains a staircase labeled "STAIRS" and a small room labeled "WC". The right section contains a large open space labeled "TERRACE". Dimensions are provided for various areas and setbacks. A north arrow points towards the top right.

Dimensions:

- Total width: 685
- Total depth: 639
- Setback from top boundary: 23
- Staircase width: 23
- WC width: 23
- Corridor width: 125
- Terrace width: 296
- Staircase depth: 125
- WC depth: 125
- Setback from bottom boundary: 23
- Overall depth: 639

Labels:

- TERRACE
- STAIRS
- WC
- 170.0M UT (44.0DPAH)
- R 85.75
- F 87.42-86.07
- MUD TA - 200mm

The drawing consists of two parts:

- Elevation View (Top):** Shows the side profile of the staircase. It features two flights of stairs meeting at a central landing. Key dimensions include a total height of 4500mm, a flight height of 3900mm, and a landing height of 600mm. The riser is specified as 150mm and the tread as 300mm. A label "STAIR ROOM" is present.
- Plan View (Bottom):** Shows the top-down layout of the staircase. The total width is 1140mm, divided into two 390mm wide flights and a 270mm wide landing. The riser is 150mm and the tread is 300mm. Labels indicate levels: "FIRST FLOOR LVL.", "GROUND LEVEL", and "PLINTH LEVEL".

PLAN 1

Water Supply Main Conn.
Electricity Main Conn.

CLASSROOM
CLASSROOM
CLASSROOM

HALL

STAIRCASE

RESTROOM

Wastewater

S. Tank

to ex. well

PLAN 2

Water Supply Main Conn.
Electricity Main Conn.

HALL

STAIRCASE

RESTROOM

Wastewater

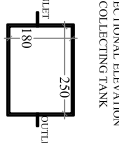
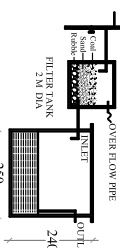
S. Tank

to ex. well

MARK	SIZE
DOORS	
D0	120 x 200
D1	100 x 200
D2	80 x 200
D3	90 x 200
WINDOWS	
W.2	100 x 140
V	60 x 60
Water Closet	
Number of Males = $69 \times 2/3 = 46$ nos	
Number of Females = $69 \times 1/3 = 23$ nos	
1 for every 40 males = $\frac{46}{40} = 1.15$	
1 for every 25 females = $\frac{23}{25} = 0.92$	

<p>1 for every 50 males = $\frac{46}{50}$ (Required)</p>	<p>1 for every 40 males = $\frac{46}{40} = 1.15$ (Required)</p> <p>1 for every 40 females = $\frac{23}{40} = 0.57$ (Required)</p>
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BUILDING - AREA (m ²)				
Floor	Ground	First	Terrace	TOTAL
Basement				
Basement Area	192.44	192.44	19.01	403.89
Floor area	134.70	134.70	13.30	282.7
F.S.I. = 3396/51.51m ² = 0.45		Coverage = 17407.70m ² /100 = 23.07 %		
NET FLOOR AREA = 76450 m ²				



COLLECTING TANK

REQUIRED CAPACITY OF TANK
CAPACITY - Covered area X 50litres/sq.m

TOTAL CAPACITY 9,622 LITRES

SIZE OF TANK PROVIDED
The size of rain water harvesting tank provided
 $2.5 \times 1.8 \times 2.40 = 10.8 \text{ M}^3$
 $= 10,800 \text{ Ltrs}$

DESIGN OF SEPTIC TANK FOR 69 USERS

Liquid capacity of septic tank @ 10 users per user (100 litres per user)
= 1,650 = 93 cm

Taking liquid depth as 1.4m the floor area of tank = $93 / 1.4 = 93$ sq.m

Taking length as 2.25m the breadth.

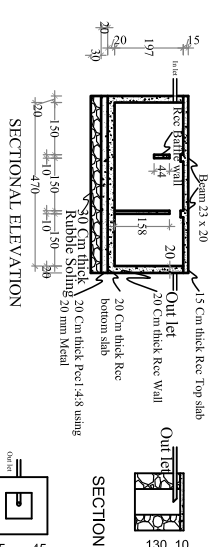
$L \times B = 93$ cm
 $2.25 \times B = 93$ cm
 $B = 41$ cm

OR $B = 93 / 2.25 = 41$ cm

Therefore the length of tank $B = 2.25 \times 41 = 93$ cm

Taking a free board of 30cm total depth of the tank = $4.0 + 0.3 = 4.3$ m

Thus the size of the tank is 3.50m x 1.7m x 1.5m



Technical drawing of a septic tank showing a sectional plan and a cross-section.

Sectional Plan: The plan view shows a rectangular tank with a total length of 7'0" and a total width of 4'0". It is divided into three compartments: two end compartments each 1'5" wide and a central compartment 3'0" wide. There is an inlet on the left and an outlet on the right.

Cross-section: The cross-section shows a 10-inch thick wall and a 130-inch diameter. Below the cross-section is a small square detail with a 45-degree angle and a 4 1/2 inch dimension.

DRAWN BY: -	
CHKD BY:	
DWG NO	LD7/9
SCALE:	- 1:100
ALL DIMENSIONS ARE IN CMS	

ownership document and the site and the measurements shown are found to be correct.

Certified that the building plan is prepared in accordance with the provisions of the Kerala Municipality Building Rules, 2019, Kerala Municipality Act 1994 and the provisions contained in the sanctioned Town Planning Schemes.

UNDERSTAKINGS

I, hereby undertake that the building construction and/or land development will be carried out/works carried on as per the approved plan and permit in accordance with the rules in force.

(i) the plot boundaries, measurements and other details shown in the site plan as certified true and correct;

(ii) the drawings are in conformity with the provisions of the Master Plan/Detailed Town Planning Scheme/Interim Development Order as applicable under the Kerala Town and Country Planning Act 2016;

(iii) the drawings are in conformity with the provisions of the Kerala Municipality Building Rules, 2019 and other applicable statutes.

Name: _____
Reg. No.: _____
Address: _____

APPENDIX - J2
[See rule 9(2)]
CERTIFICATE
(To be recorded in the drawings)

- (i) the document is in support of the ownership of the plot has been verified and that the applicant (s) have/very right of construction in this plot;
- (ii) the plot boundaries, measurements and other details shown in the site plan have been verified at site and found correct and
- (iii) the drawings are in conformity with the provisions of the Master Plan/Detailed Town Planning Scheme/ Interim Development Order as applicable under the Kerala Town and Country Planning Act, 2016.
- (v) the drawings are in conformity with the provisions of the Kerala Municipality Building Rules, 2019 and other applicable statutes.

(Signature)

Corporation / Municipal Council / Town Panchayat
Office Seal

DISTRICT	-	PATHANAMTHITTA
TALUK	-	THRIUVALLA
VILLAGE	-	THRIUVALLA
BLOCK	-	2
Sy. No.	-	218 / 8
Old Sy No	-	378 / 1, 412 / 10, 329 / 2-1, 329 / 4-2, 329 / 2-2, 329 / 3, 329 / 3-2, 329 / 3-1, 329 / 1-1, 178 / 3
EXTENT	-	75450 m2

DECLARATION
I, SABHA SECRETARY hereby declare that the measurements, specifications and other details and specifications mentioned above are correct, complete and true to the best of my knowledge and belief and that I shall abide by the approved plan and the provisions in the act and rules in undertaking the construction.

PROPOSED CONSTRUCTION OF
ADDITIONAL ACADEMIC BLOCK
AT
TITUS II TEACHERS COLLEGE
THIRUVALLA

OCCUPANCY/USE - GROUP B/EDUCATIONAL

**ELEVATION, PLAN
SECTION AB, ROOF PLAN
SERVICE PLAN 'S, etc.**

Habitat
TECHNOLOGY GROUP
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THIRUVANANTHAPURAM-12
TEL: 0471-2344904, 2342723
e-mail: habitat@asimindia.com

DRAWN BY: -	
CHKD. BY:	
DRG NO. LD79	DATE: - 09 JULY 20
SCALE: - 1:100	

ALL DIMENSIONS ARE IN CMS.