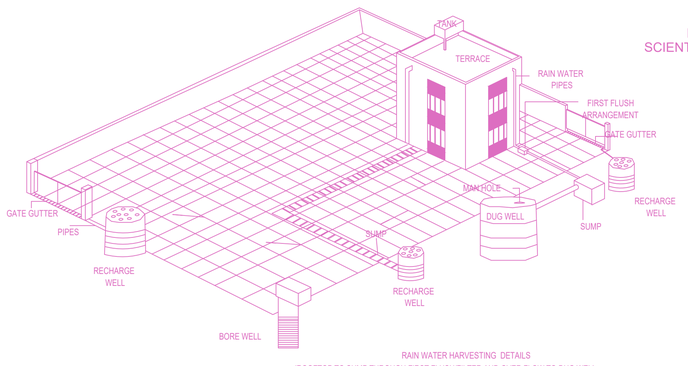
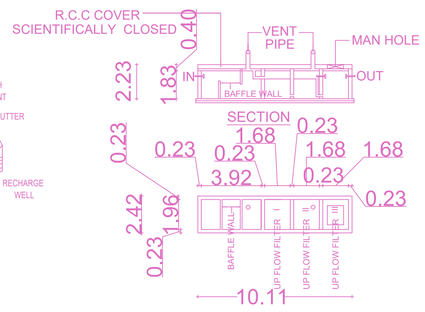



RAIN WATER HARVESTING DETAILS
(ROOFTOP TO SUMP THROUGH FIRST FLUSH/FILTER AND OVER FLOW TO DUG WELL
SURFACE RUNOFF THROUGH BUMP , GATE GUTTER TO RECHARGE WELL)
DRAWING - 3A



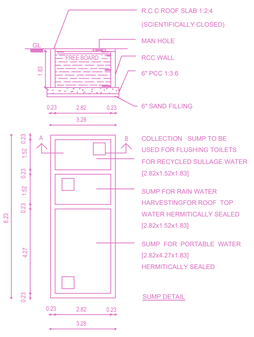

PLAN

SEPTIC TANK WITH UP FLOW FILTER DETAIL

| | |
|---|---|
| UP FLOW FILTER I | = 1.68 x 1.96 x 2.23 |
| UP FLOW FILTER II | = 1.68 x 1.96 x 2.23 |
| UP FLOW FILTER III | = 1.68 x 1.96 x 2.23 |

FOR COMMERCIAL BUILDING 50 SM 1 DWELLING
TOTAL BUILDING AREA = 887.19/50 = 18 PERSON
1 DWELLIN G 5 PERSON = 18 x 5 = 89 PERSON
RATE OF WATER SUPPLY IS 135LPH/DAY
THEN FLOW OF SWEAGE PER DAY = 89 x135 = 12015 LTS
DETENSION PERIOD IS 18 HOURS
TANK CAPACITY 12015 x18/24 = 9011.25
THE TANK IS TO BE CLEANED IN EVERY YEAR
SO SLUDGE STORAGE CAPACITY AT THE RATIO
OF 150 LT.FOR PERSON PER YEAR = 89 x 13.5 = 1198
12015 + 1198= 13213
WITH PROVISION FOR FUTURE EXPANSION
LET THE TANK CAPACITY= 14000 LT= 14 M

DEPTH OF LIQUID =1.83 $M^3$
PLAN OF AREA OF TANK=14/1.83 = 7.7 Sqm
LENGTH = 2B,AREA = LxB=2BxB=2B
BREATH OF TANK =7.7/2 = $\sqrt{3.85}$ =1.96
LENGTH OF TANK = 1.96 x 2.0 = 3.92
FREE BOARD OF TANK=0.4
THEN DEPTH OF TANK =1.83+0.4=2.23M
PROVIDE SEPTICK TANK SIZE = 3.92 x1.96 x 2.23
UPFLOW FILTER DISCHARGE OF 89 PERSON
VOLUMES = 89 x 0.25 = 22.17 $m^3$
THEN DEPTH OF TANK =1.83+0.4 freeboard=2.23
PLAN OF AREA REQUIRD = 22.17/2.23 =9.94/3=3.31 /1.96 = 1.68
B = 1.96 LENGTH =1.68 HEIGHT = 2.23

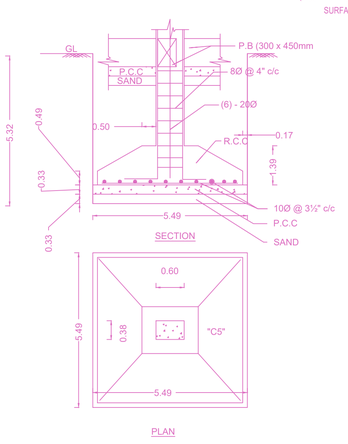


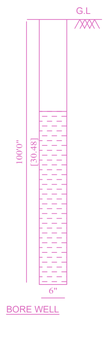

PLAN SHOWING THE PROPOSED CONSTRUCTION OF COMMERCIAL (SHOP) BUILDING(HEIGHT 4.23M) AT POONAMALLE HIGH ROAD & LOORDUPURAM SALAI, GOPARASANALLUR COMPRISED IN S.NO.79/1B1A,79/2A2A1 &79/2A2B OF GOPARASANALLUR VILLAGE WITHIN THE LIMITS OF POONAMALLE PANCHAYAT UNION

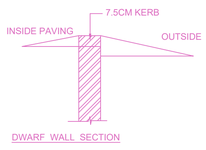
| A) AREA STATEMENT | SQ.M. |
|---|---|
| AREA AS PER PATTA | 6051.00 |
| AREA AS PER DOCUMENT | 3488.80 |
| AREA CONSIDERED FOR FSI | 3488.80 |
| STREET ALIGNMENT/ ROAD WIDENING/LINK ROAD | 0.00 |
| OSR AREA | 0.00 |
| TOTAL FSI AREA | 886.75 |
| FSI FACTOR | 0.254 |
| COVERAGE AREA (PERCENTAGE %) | NA |

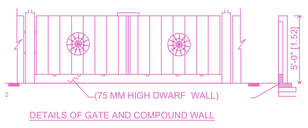
A) PARKING STATEMENT

| VEHICLE | REQUIRED | PROVIDED |
|---|---|---|
| LORRY | 0 | 0 |
| CAR | 9 | 17 |
| TWO WHEELER | 9 | 30 |
| CYCLE | 0 | 0 |

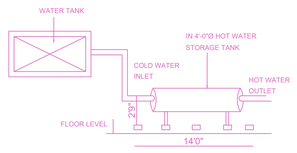


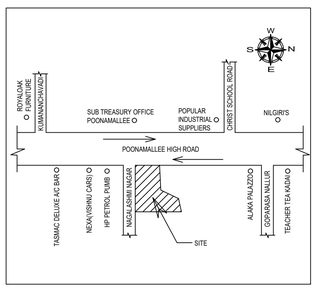



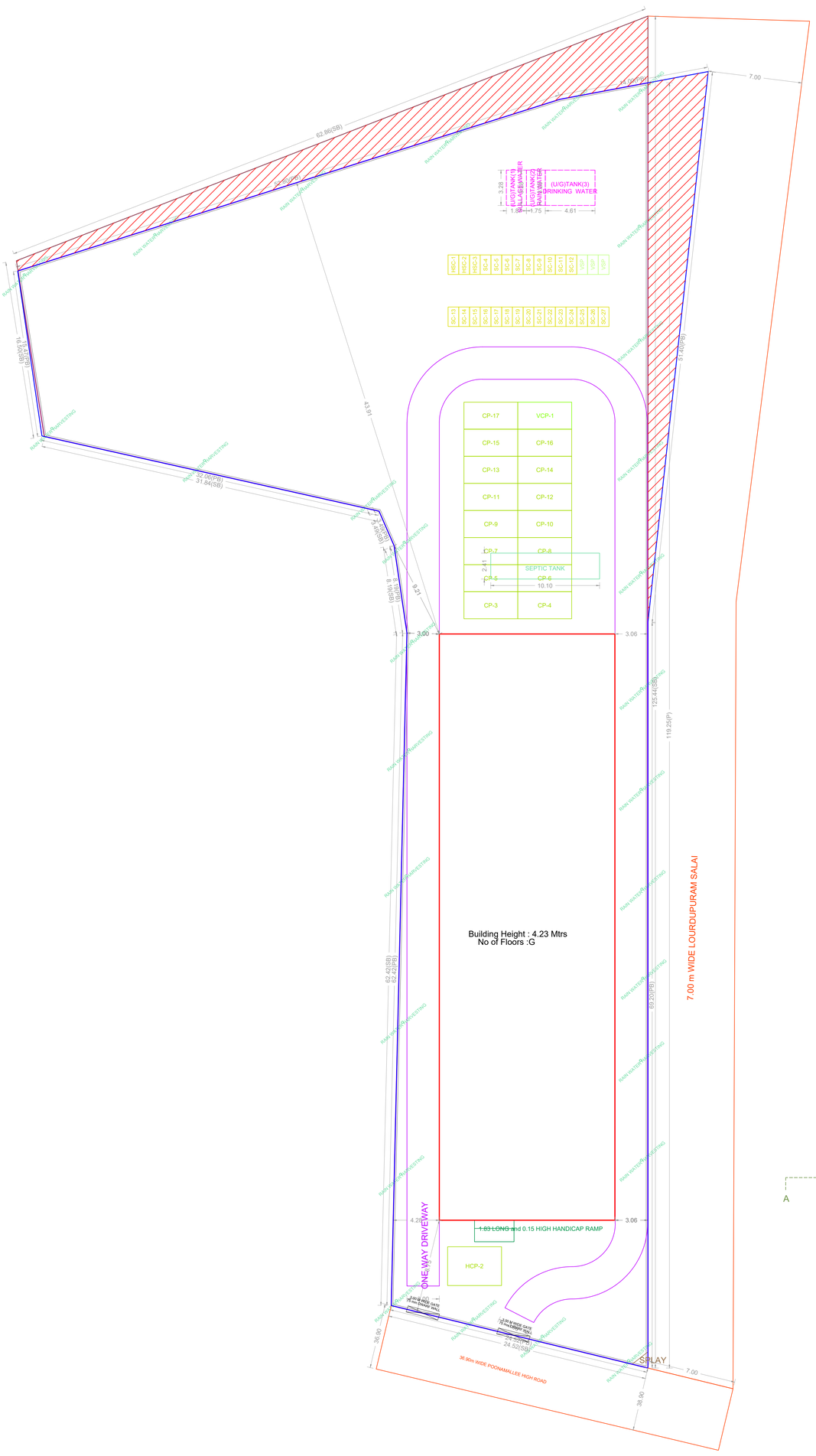

DETAILS OF GATE AND COMPOUND WALL



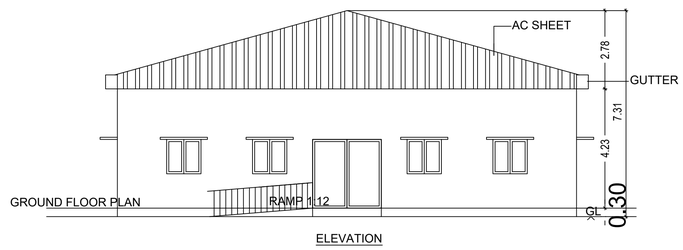

SOLAR HOT WATER SYSTEM DETAIL



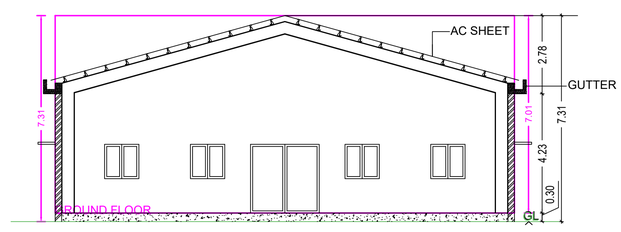

Location plan (Taken as per User Inputs)



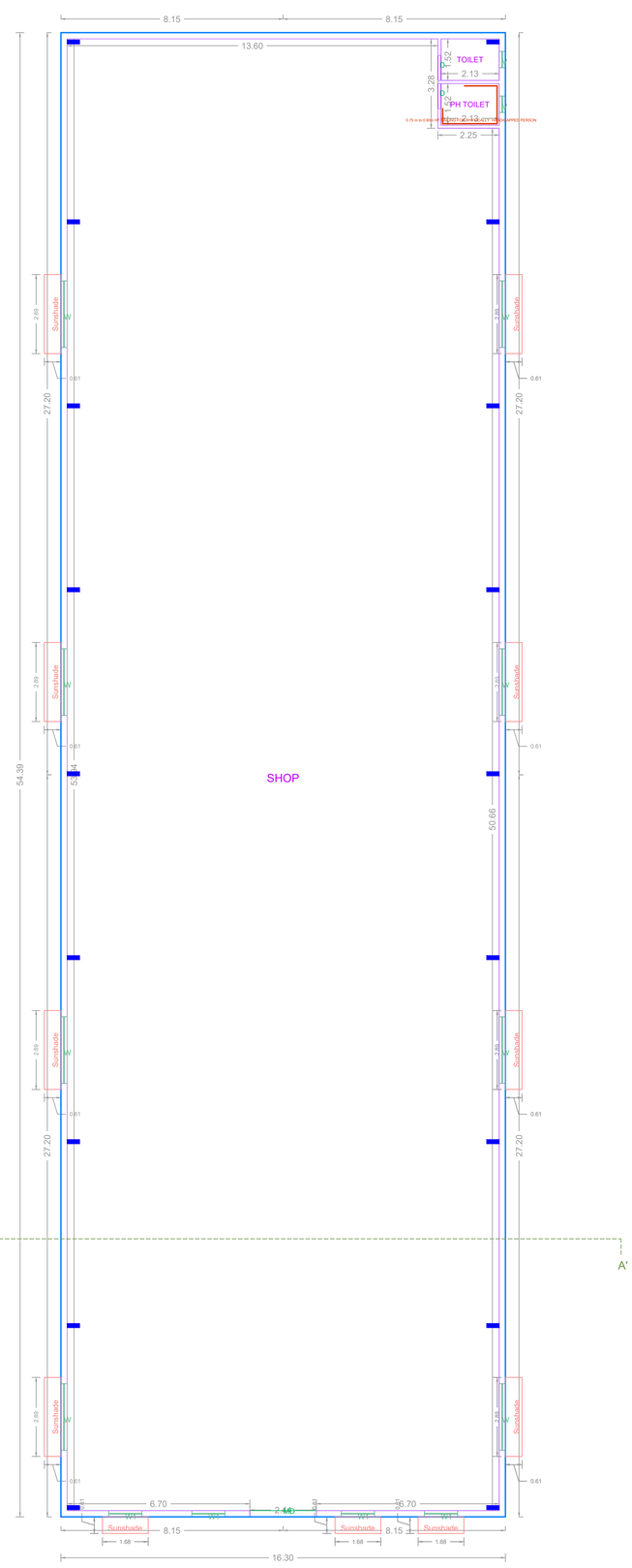

SITE PLAN (Scale - 1:200)



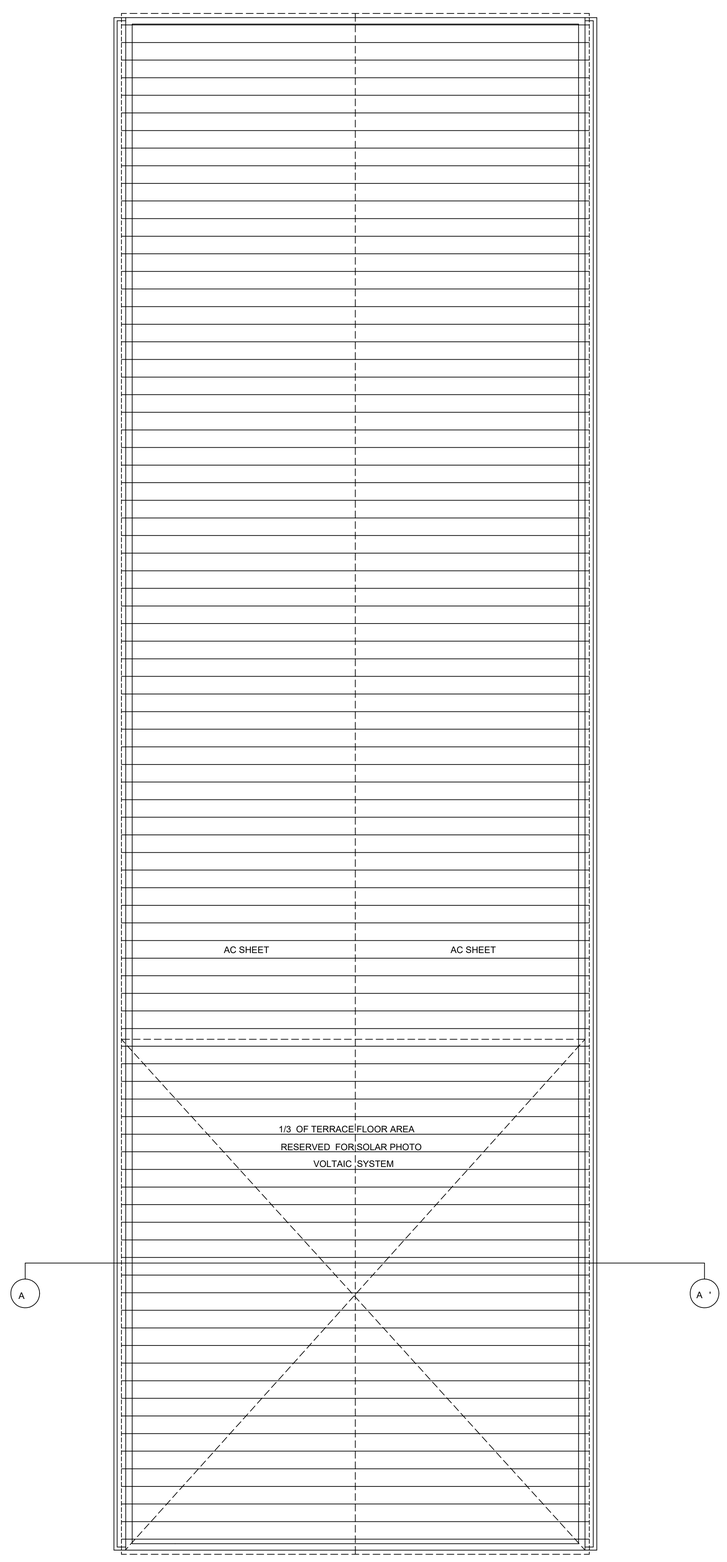

ELEVATION




SECTION-AA'




GROUND FLOOR PLAN




TERRACE FLOOR PLAN

**FLOOR WISE FSI STATEMENT:** A (FASHION)

| FLOORS | FSI AREA | | | | DU | TOTAL |
|---|---|---|---|---|---|---|
| | COMM. | RESI. | IND. | SPEC. | | FSI AREA |
| GROUND FLOOR | 886.75 | 0.00 | 0.00 | 0.00 | 0 | 886.75 |
| Total | 886.75 | 0.00 | 0.00 | 0.00 | 0 | 886.75 |

BUILDING WISE FSI STATEMENT

| BUILDING | NO OF SAME BUILDING | FSI AREA | | | | DU | TOTAL |
|---|---|---|---|---|---|---|---|
| | | COMM. | RESI. | IND. | SPEC. | | FSI AREA |
| A-1 (FASHION) | | 886.75 | 0.00 | 0.00 | 0.00 | 0 | 886.75 |
| Total | | 886.75 | 0.00 | 0.00 | 0.00 | 0 | 886.75 |

APPROVAL CONDITION

SCALE - 1:100

Signature Not Verified
Digitally Signed by SANTHOSH KUMAR M.S
Assistant Planner: SANTHOSH KUMAR M.S
Sign Date: 07/10/2023 12:52:40 PM
Letter No. : CMDA/PP/NHRP/C/0084/2023
Approval No : OL-PP/NHRP/0024/2023
Approval Date : 07/06/2023 1:32:29 PM
Permit No. : OL-00376

CHENNAI METROPOLITAN DEVELOPMENT AUTHORITY
PLANNING PERMISSION APPROVAL
PLANNING PERMISSION TO THE PROPOSED DEVELOPMENT AT THE ABOVE REFERENCED OFFICE

This Planning Permission issued under New Rule TNCDBR, 2019 is subject to final outcome of the W.P. (MD) No.8948 of 2019 and WMP (MD) Nos. 6912 & 6913 of 2019.

Signature Not Verified
Digitally Signed by G SINGASANKARI
Architect: G SINGASANKARI
Sign Date: 05/09/2023 5:12:09 PM

For (Deputy Planner / Chief Planner / Member-Secretary)
High Rise Building / Non High Rise Building
This Approval is valid only after building Permit is issued by the concerned Local Body.

Applicants ( Owner / Developer / Power of Attorney )

KEY NO. 9688

QR CODE

ARCH_E_(36.00_x_48.00_Inches)

This is a system generated drawing as per the soft copy submitted by the Architect/ License Engineer