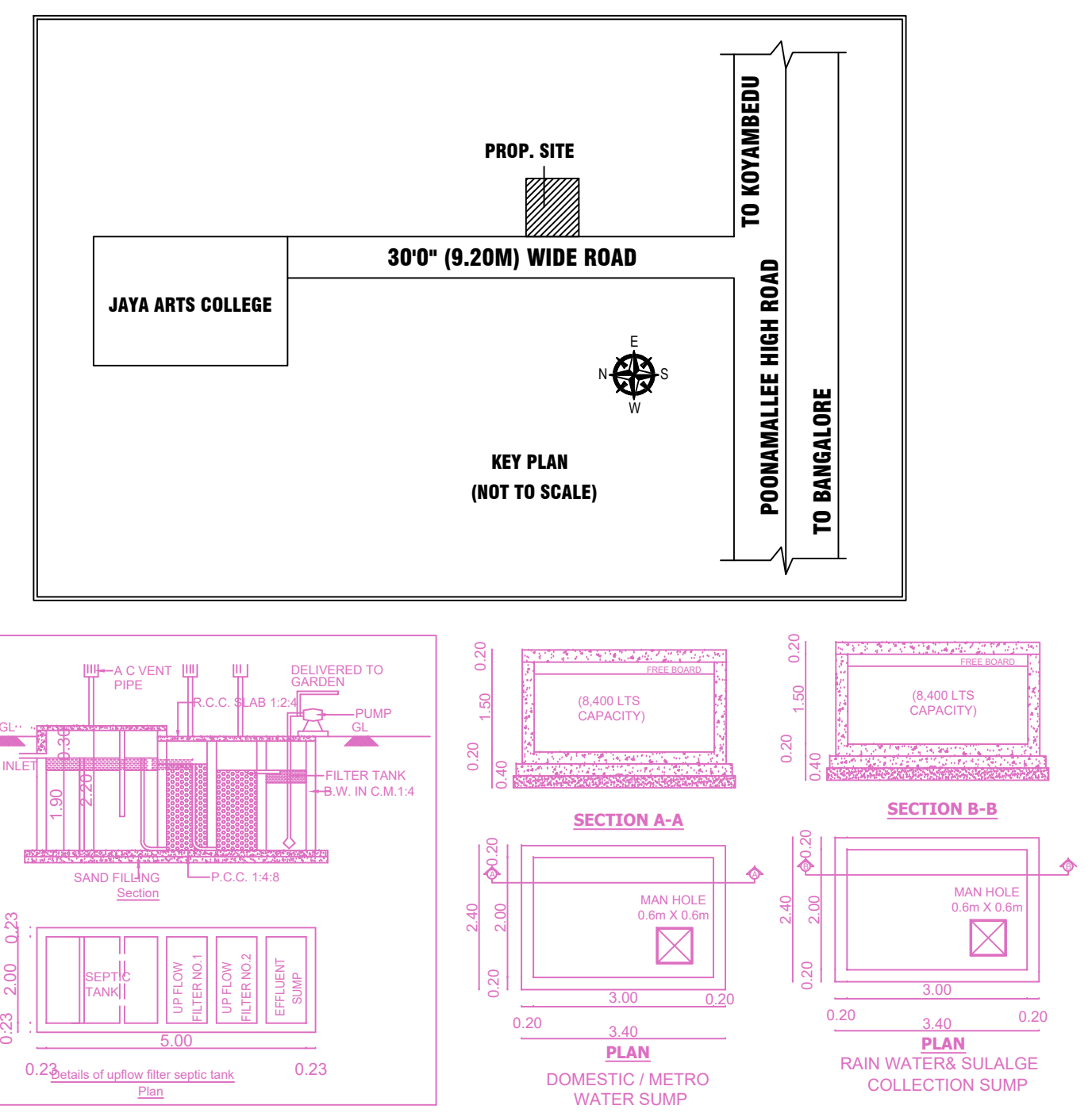


DESIGN OF SEPTIC TANK

OFFICE FLOOR AREA = 1082.65 SQM
 NO OF USERS = 5 PERSONS
 FOR 50 SQM = 1 PERSON
 NO. OF USERS PER UNITS OF NUMBERS = 24.00 X 5 = 120 PERSONS
 NO OF FIXTURE UNITS - (PEAK FLOW) - 6 LPM/NO = 630.75X120 = 540.00 LPM

SURFACE AREA REQUIRED - (5400X92)/10 = 49.68 SQM
 VOLUME OF FREE BOARD = 49.68X0.3 = 14.90 CUM
 VOLUME OF SEDIMENTATION = 49.68X0.3 = 14.90 CUM
 VOLUME OF DIGESTION = 1300X0.32 = 416.00 CUM
 VOLUME OF BUDGE = 1300X1.0/0.002 = 65000.00 CUM
 TOTAL VOLUME = 29.88 CUM
 DEPTH = 49.68/29.88 = 1.67 M
 PROVISION DEPTH = 2.30M
 SIZE OF THE SEPTIC TANK - 5.00M X 2.00M X 2.30M

DESIGN OF UP FLOW FILTER
 PEAK GRAVITY = 65 X 0.045 = 2.9 CUM
 ASSUME DEPTH = 0.70M
 AREA REQUIRED = 1.8X1.8 = 3.24 SQM
 SIZE OF UPFLOW - 1.8X1.8 = 4.5 SQM
 FILTER-1 1.8 X 1.8 X 2.5
 FILTER-2 1.8 X 1.8 X 2.5



PLAN SHOWING THE PROPOSED CONSTRUCTION OF GROUND FLOOR + 2 FLOORS (HEIGHT 11.94M) COMMERCIAL (WAREHOUSE) BUILDING AT KARNAM RAMASAMY PILLAI INDUSTRIAL PARK ROAD, POONAMALLEE, CHENNAI - 600056, COMPRISED IN OLD S.NO. 256/1, NEW S.NO. 256/1C (AS PER DOCUMENT), S.NO. 256/1C2 (AS PER PATTI) OF POONAMALLEE VILLAGE WITHIN THE LIMITS OF POONAMALLEE MUNICIPALITY

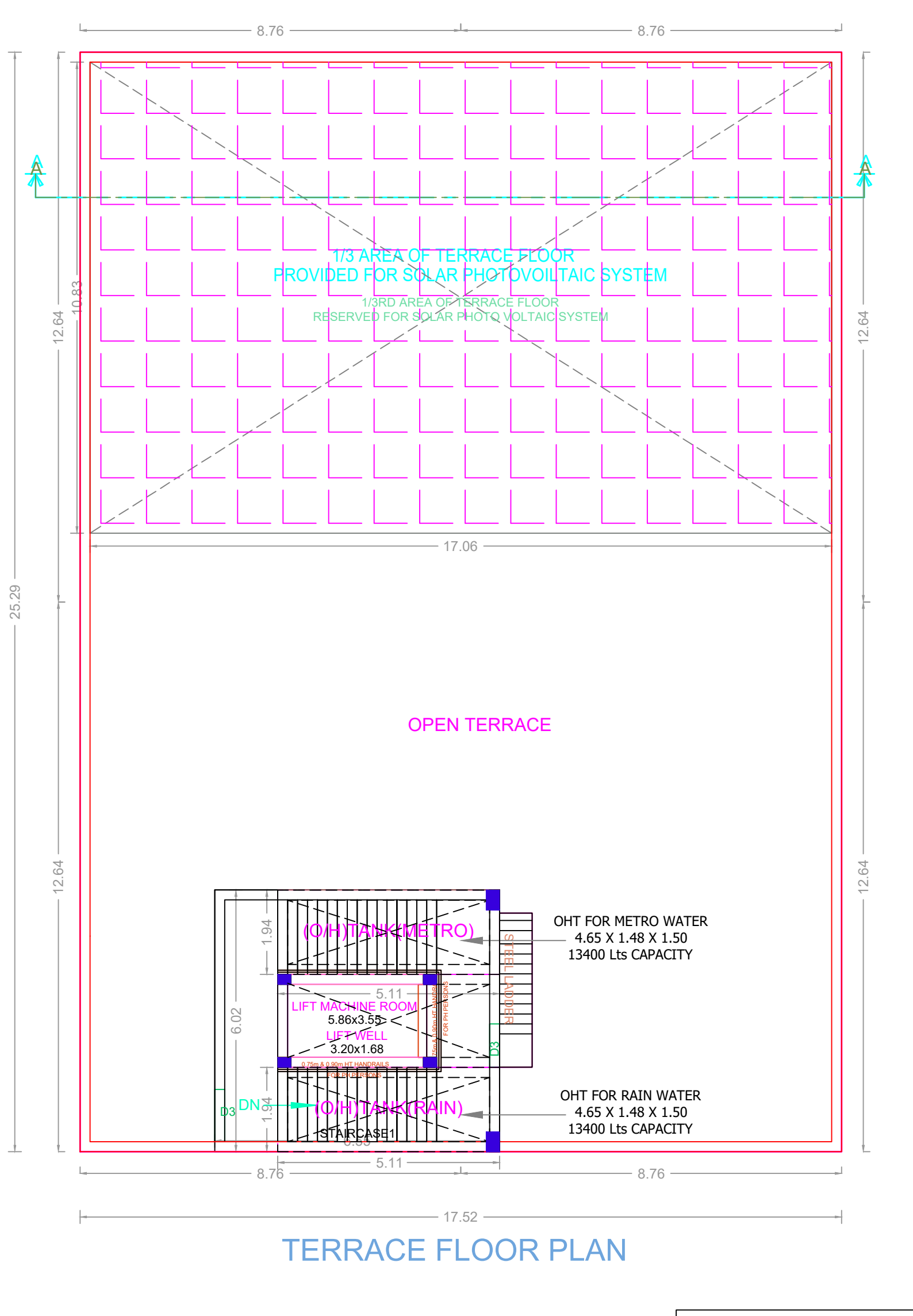
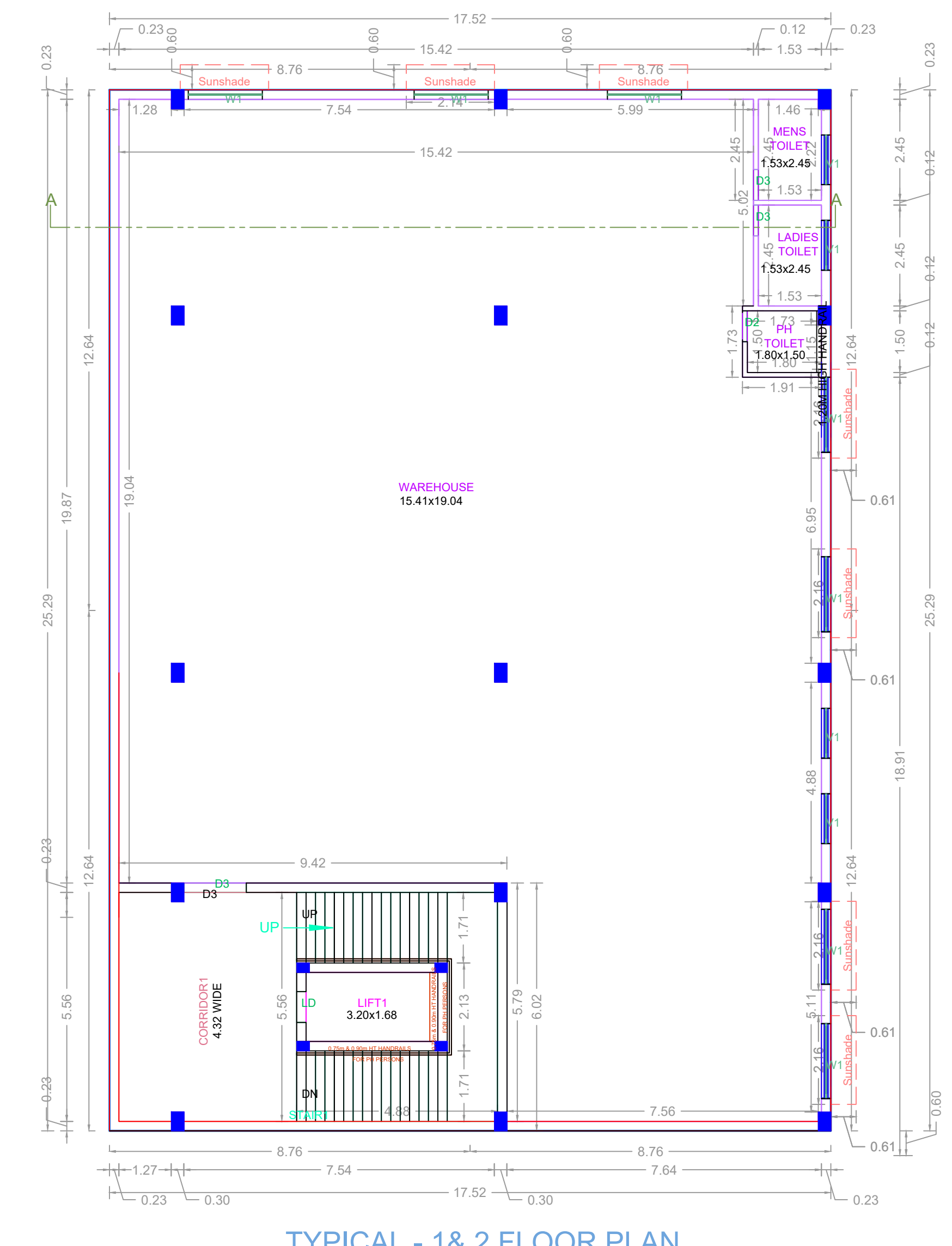
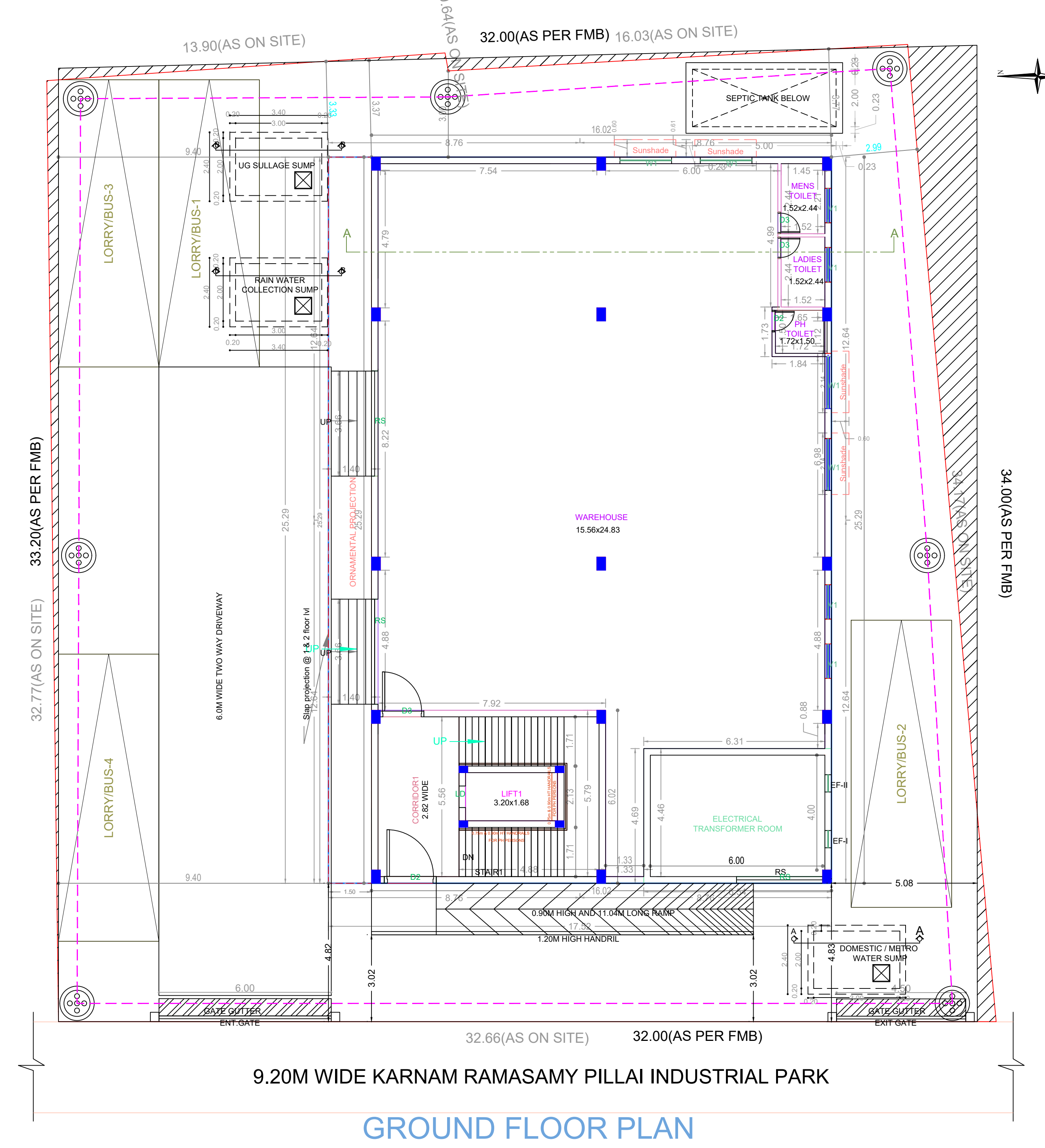
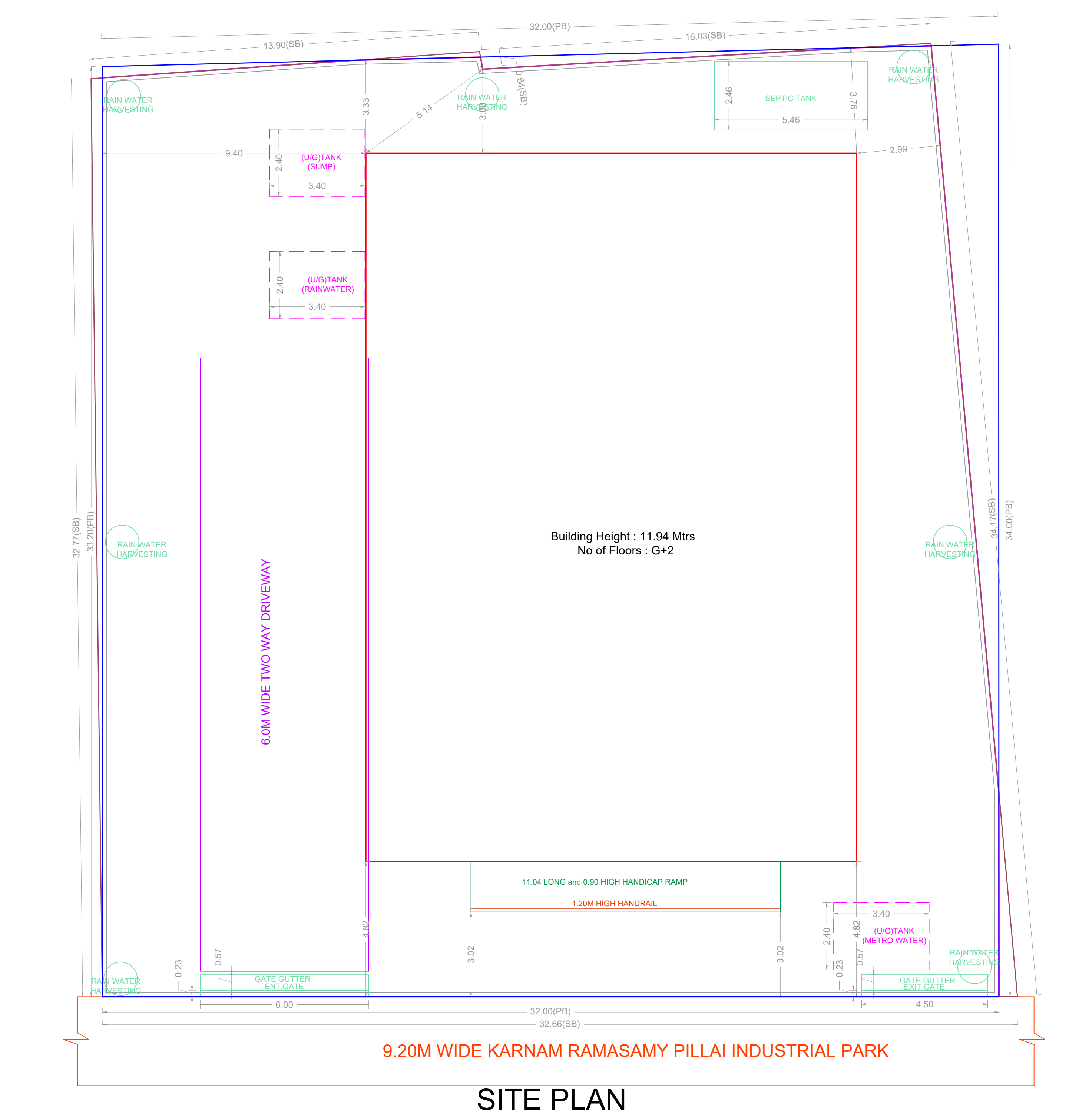
| A) AREA STATEMENT | SQ.M. |
|---|---------|
| AREA AS PER PATTI | 1092.00 |
| AREA AS PER DOCUMENT | 1090.61 |
| AREA CONSIDERED FOR FSI | 1090.61 |
| STREET ALIGNMENT/ ROAD WIDENING/LINK ROAD | 0.00 |
| OSR AREA | 0.00 |
| TOTAL FSI AREA | 1329.19 |
| FSI FACTOR | 1.219 |
| COVERAGE AREA (PERCENTAGE %) | NA |

FLOOR WISE FSI STATEMENT: A1 (COMM)

| FLOORS | FSI AREA | | | | DU | TOTAL FSI AREA |
|--------------|----------|-------|------|-------|----|----------------|
| | COMM. | RESI. | IND. | INST. | | |
| GROUND FLOOR | 443.01 | 0.00 | 0.00 | 0.00 | 0 | 443.01 |
| FIRST FLOOR | 443.09 | 0.00 | 0.00 | 0.00 | 0 | 443.09 |
| SECOND FLOOR | 443.09 | 0.00 | 0.00 | 0.00 | 0 | 443.09 |
| Terrace | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0.00 |
| Total | 1329.19 | 0.00 | 0.00 | 0.00 | 0 | 1329.19 |

BUILDING WISE FSI STATEMENT

| BUILDING | NO OF SAME BUILDING | FSI AREA | | | | DU | TOTAL FSI AREA |
|-------------|---------------------|----------|-------|------|-------|----|----------------|
| | | COMM. | RESI. | IND. | INST. | | |
| A1-1 (COMM) | | 1329.19 | 0.00 | 0.00 | 0.00 | 0 | 1329.19 |
| Total | | 1329.19 | 0.00 | 0.00 | 0.00 | 0 | 1329.19 |



APPROVAL CONDITION

SCALE 1:100

CHENNAI METROPOLITAN DEVELOPMENT AUTHORITY

APPROVED

SUBJECT TO THE CONDITIONS MENTIONED IN THIS OFFICE

KEY NO. 286

OR CODE