

பெ.பெ.எ.க. (பி) எண்
 61/6053/16
 உருவப்படம்
 கார்ந்தாய்வு
 தி.உ. சி.சி.சி

SPECIFICATION

FOUNDATION: R.C.C. COLUMN FOOTINGS WITH SUITABLE REINFORCEMENT

SUPER STRUCTURE: R.C.C. COLUMN, R.C.C. SLABS AND BEAMS WITH BRICK WALLS.

WALLS: BRICK WORK WITH 1:3 PLASTERING

FLOORINGS: GRANO AND GRANAMITE AS SPECIFIED

FINISHES: INTERIORS PAINTED WITH PLASTIC EMULSION AND EXTERIORS FINISHED WITH EXPOSED AGGREGATE FINISH

ROOF: 1:2:4 R.C.C. SLAB.

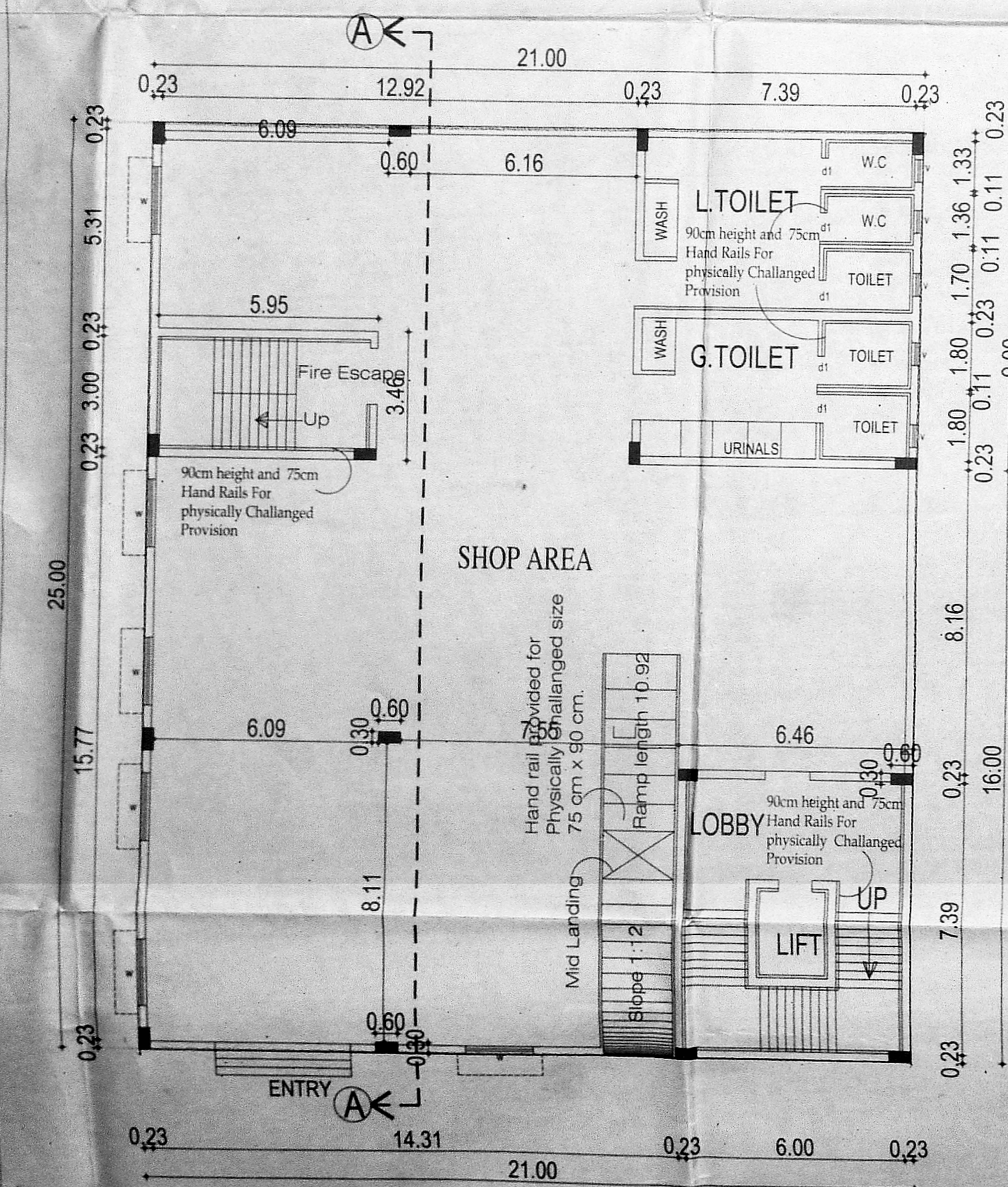
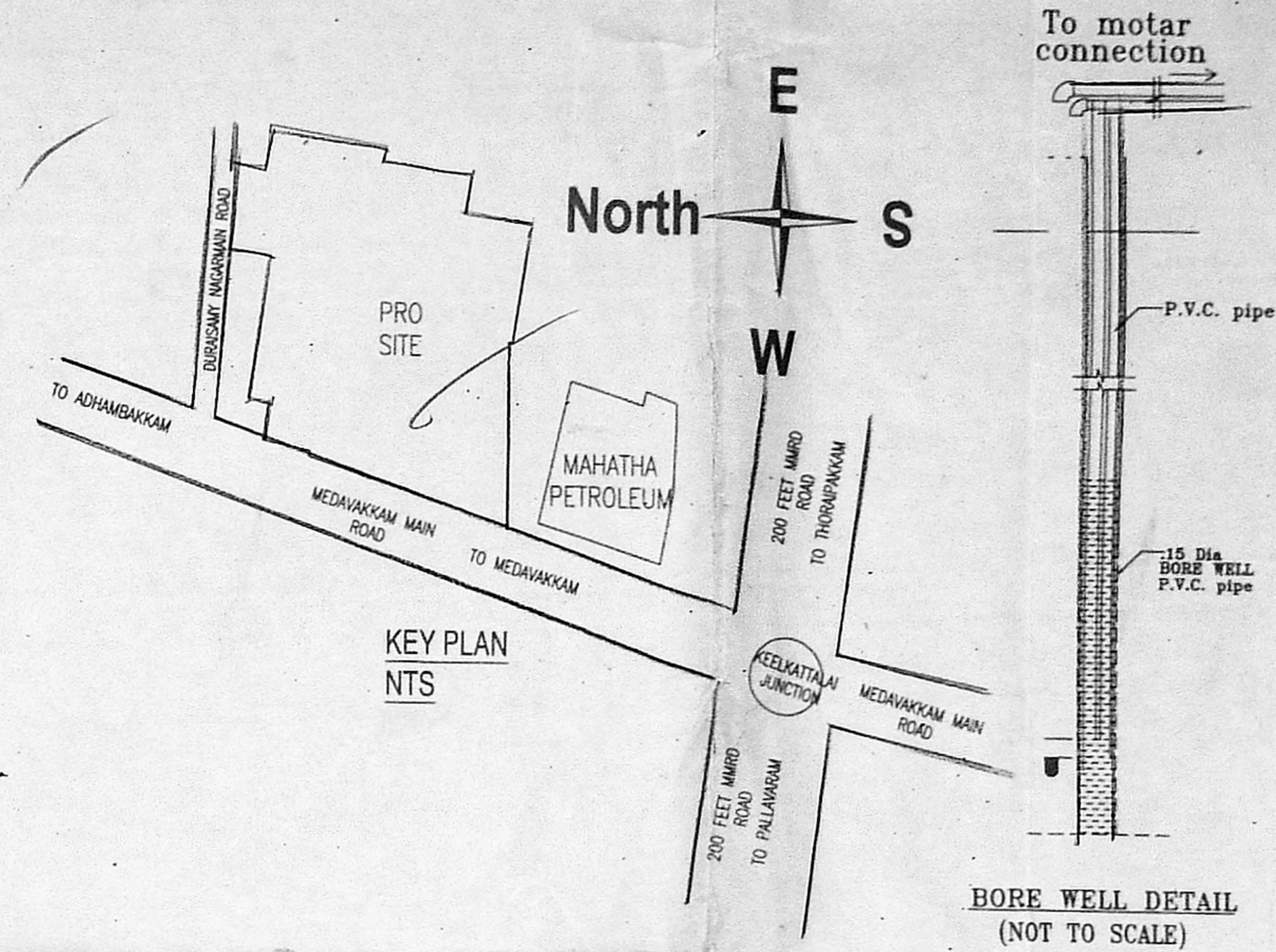
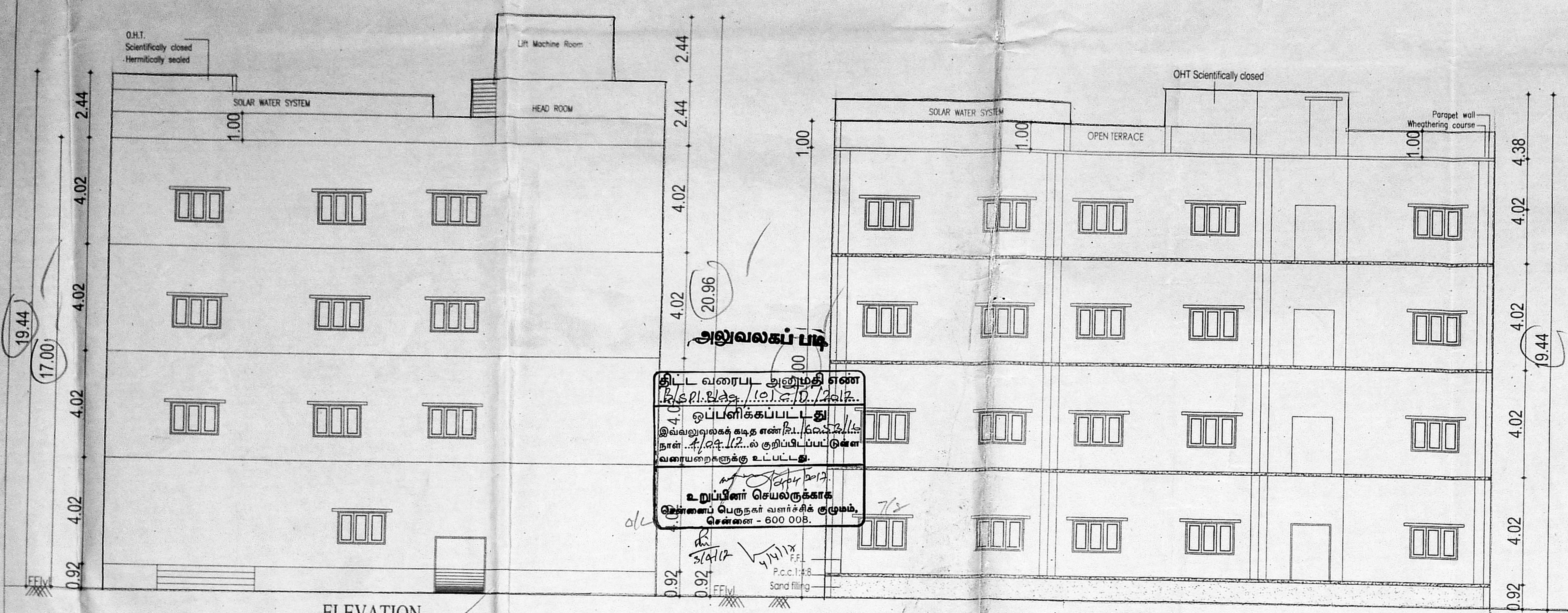
WOOD WORK: TEAK AND COUNTRY WOOD.

SCHEDULE OF JOINTS

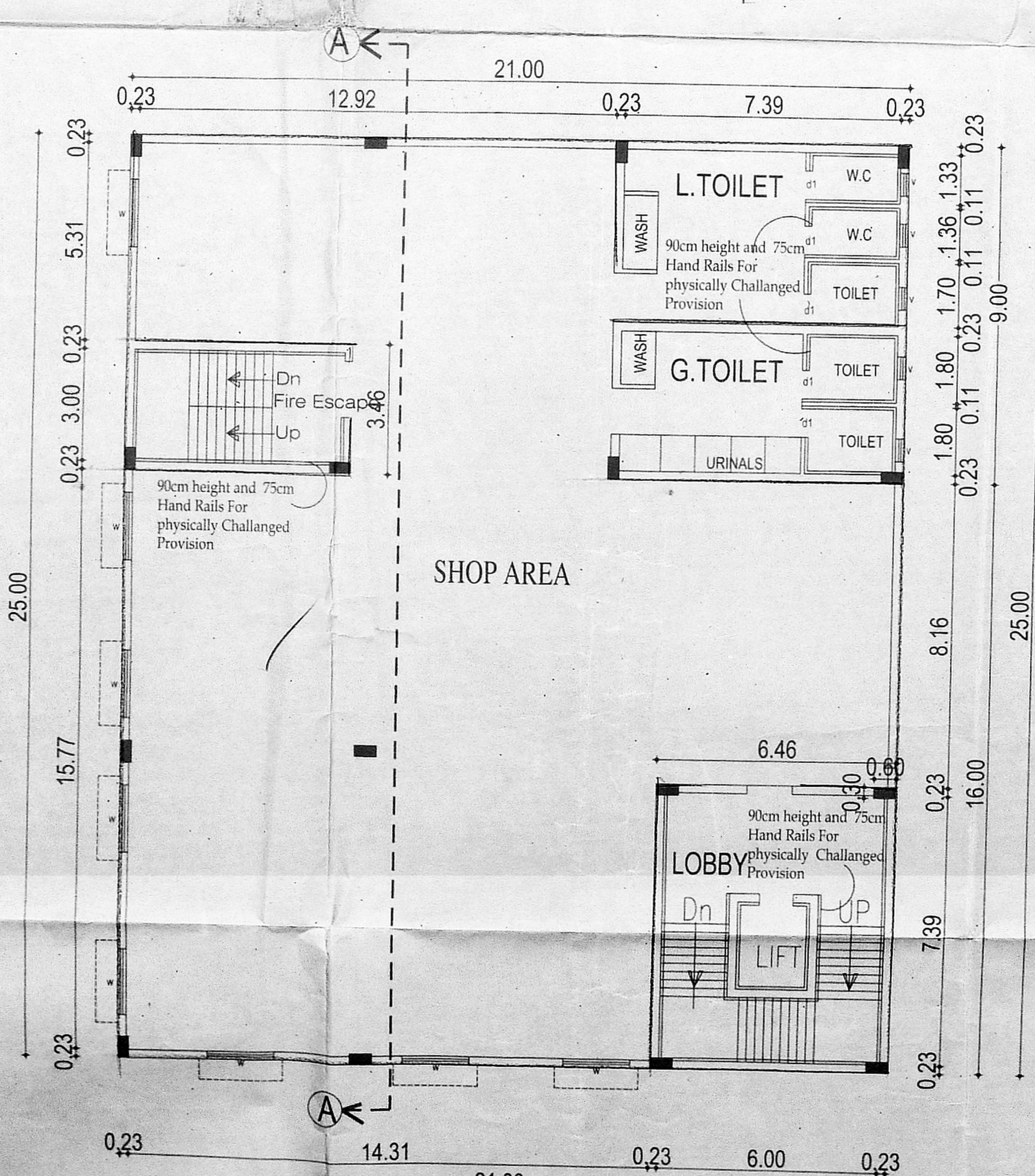
NO	DESCRIPTION	SIZE OF JOINT	SIZE OF JOINT
MD	T.W MAIN DOOR TO DETAIL	1.07x2.13M	3'0" x 7'0"
TD	T.W FRENCH DOOR TO DETAIL	2.44x2.13M	8'0" x 7'0"
D	C.W DOOR TO DETAIL	0.91x2.13M	3'0" x 7'0"
D1	C.W DOOR TO DETAIL	0.78x2.13M	2'6" x 7'0"
FW	C.W GLAZED WINDOW TO DETAIL	1.83x1.27M	6'0" x 4'2"
W1	C.W GLAZED WINDOW TO DETAIL	1.23x1.27M	4'0" x 4'2"
W	C.W GLAZED WINDOW TO DETAIL	1.83x1.27M	6'0" x 4'2"
V	C.W GLAZED WINDOW TO DETAIL	0.91x1.27M	3'0" x 4'2"
AD	OPENING	0.91x2.13M	3'0" x 7'0"

COLOUR INDEX
 PROPOSED ROAD SITE

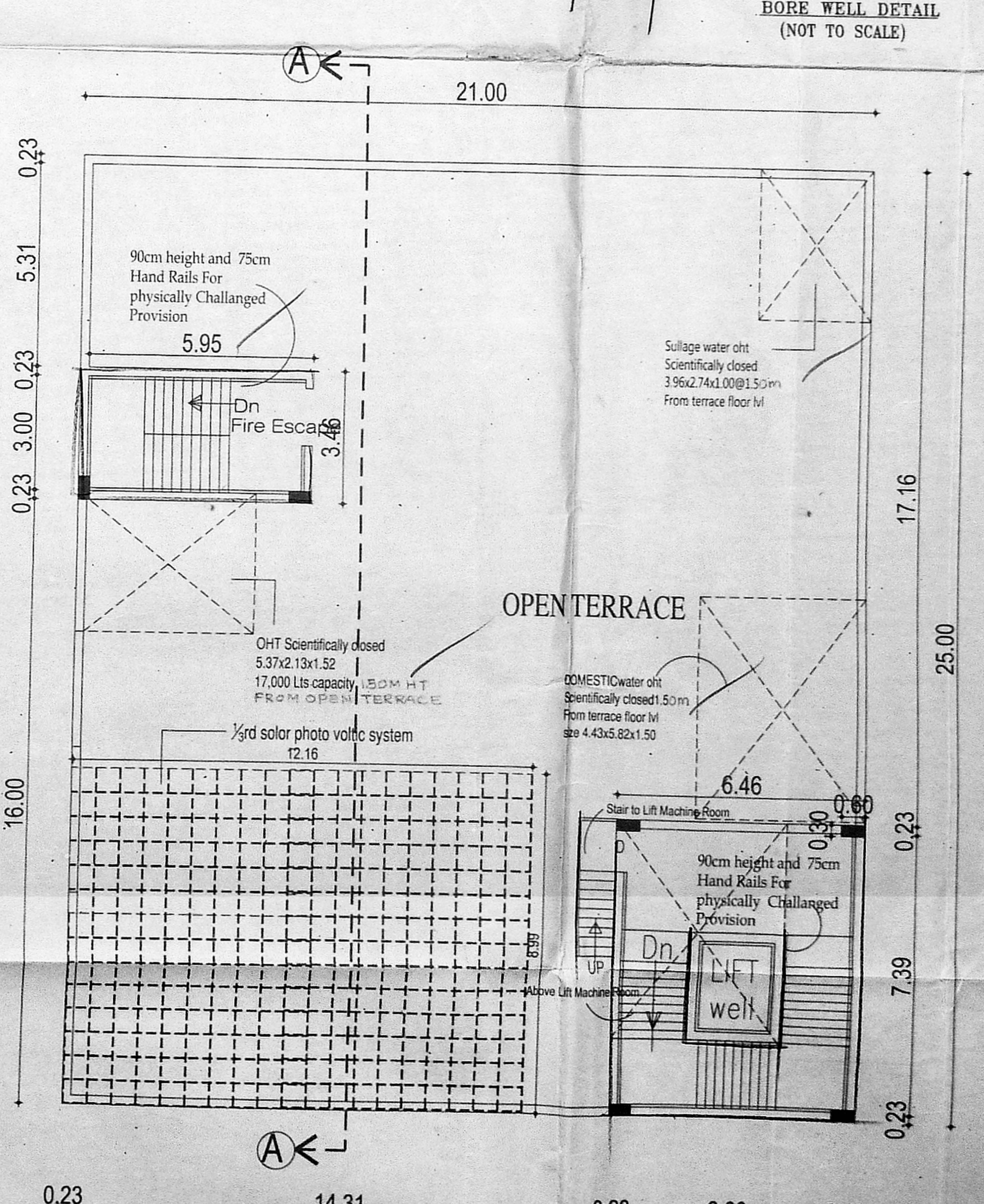
PLAN SHOWING THE PROPOSED CONSTRUCTION OF COMMERCIAL (SHOP) BUILDING AT MEDAVAKKAM MAIN ROAD, AND DURAISAMY NAGAR MAIN ROAD, KEELKATTALAI, CHENNAI-600117. IN S.NO: 352/2A, 4.5.6A, 6B, 6C, 7, 353/1A, 1B, 2, 3, 4, 5, 6, 7, 8A, 8B (AS PER DOC) T.S.NO:11, OLD S.NO: 352/2A, 4.5.6A, 6B, 6C, 7, 353/1A, 1B, 2, 3, 4, 5, 6A, 8A, 8B, BLOCK NO:- 35, WARD:- H, IN KEELKATTALAI VILLAGE, PALLAVAPURAM MUNICIPALITY, TAMBARAM TALUK, KANCHI PURAM DIST



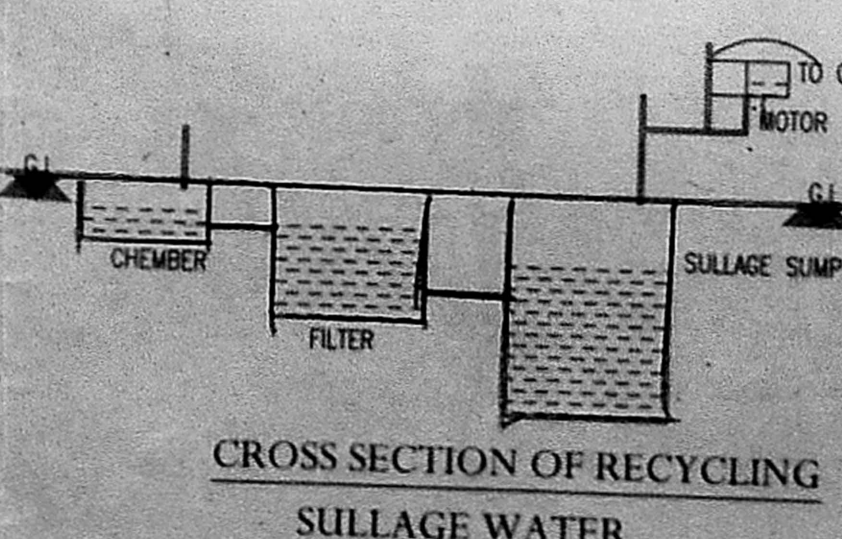
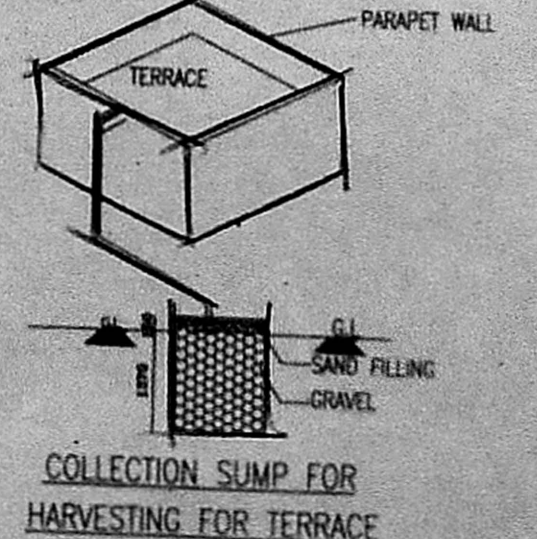
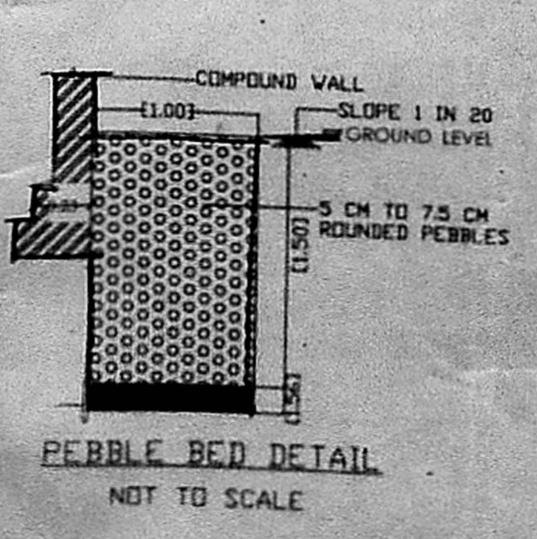
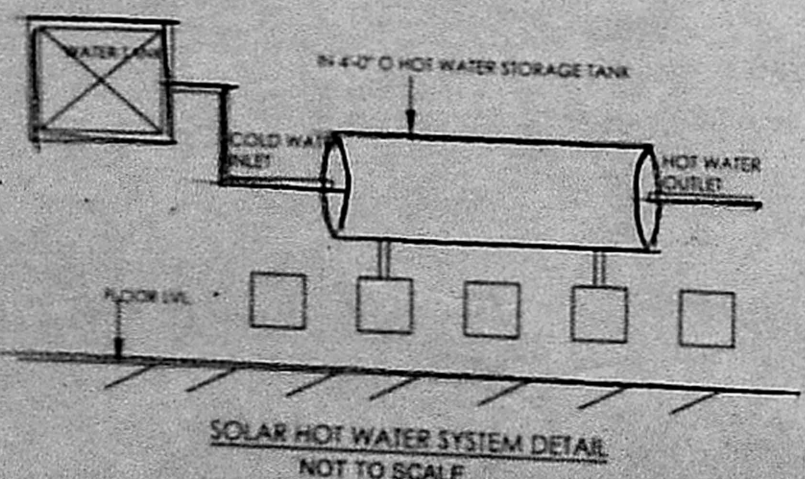
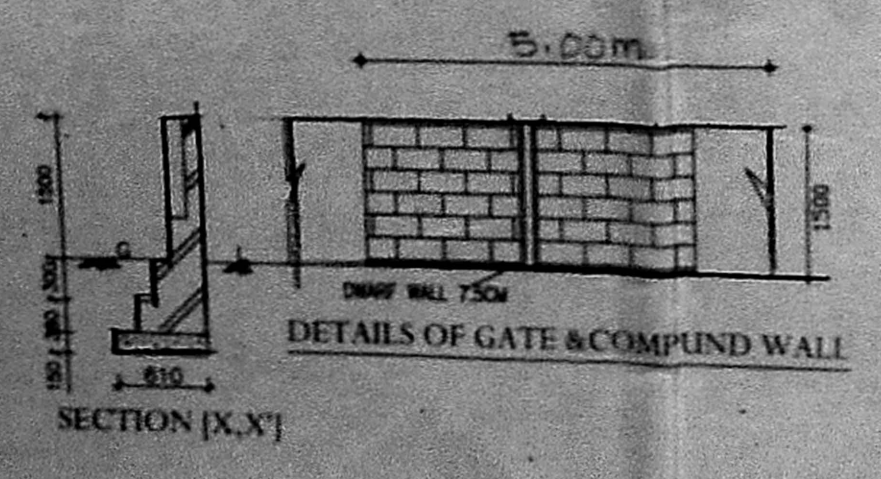
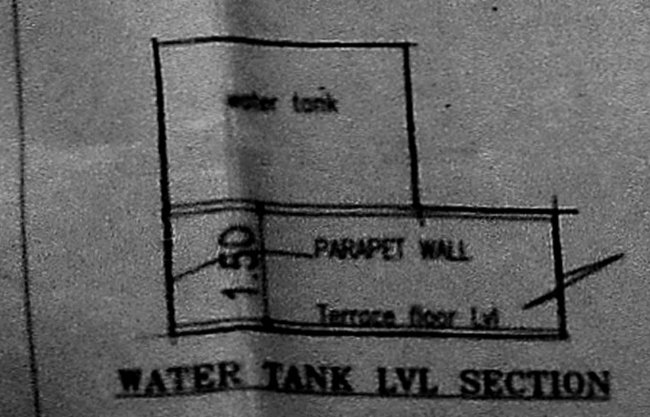
GROUND FLOOR PLAN BLOCK-2



TYPICAL FLOOR PLAN (FIRST, SECOND & THIRD) BLOCK-2



TERRACE FLOOR PLAN BLOCK-2



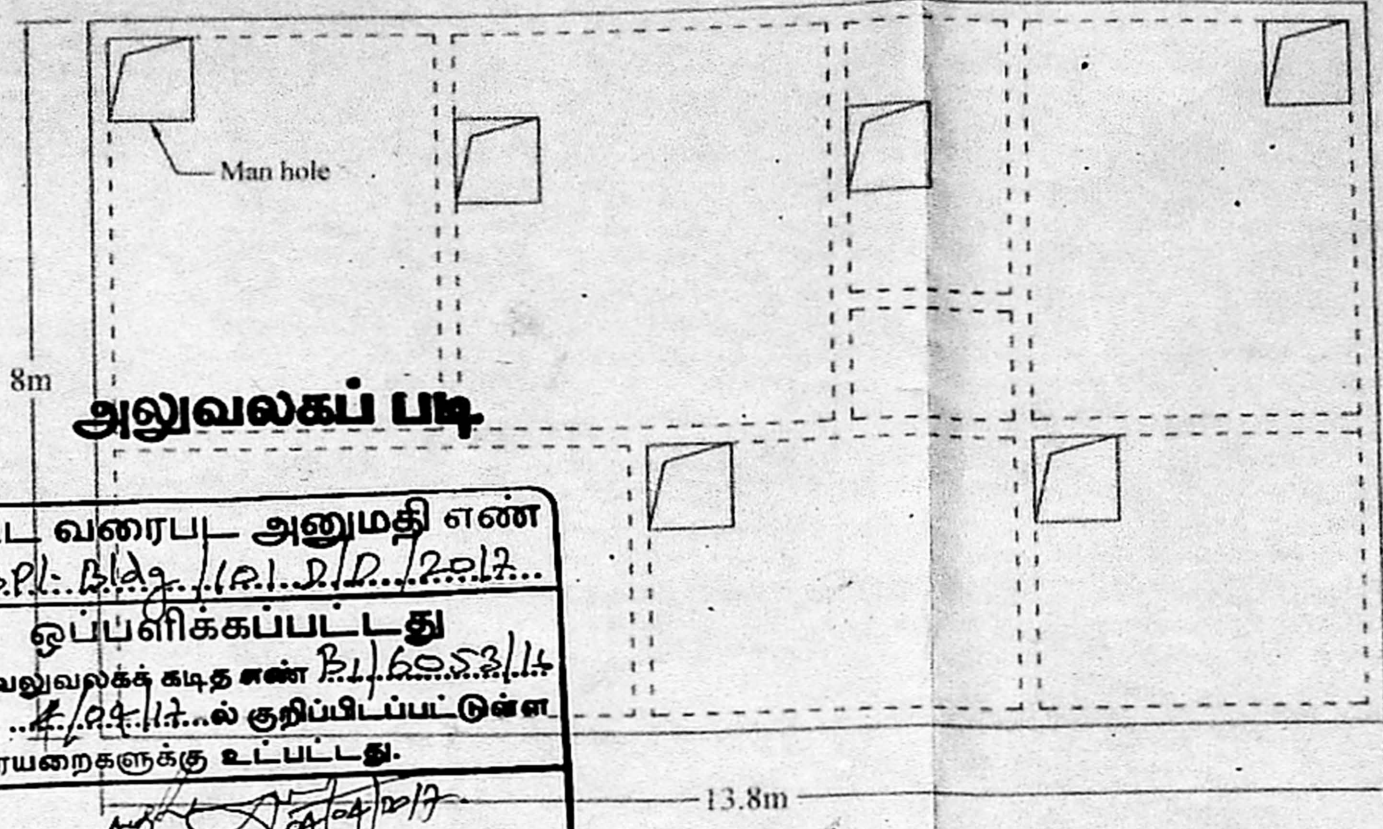
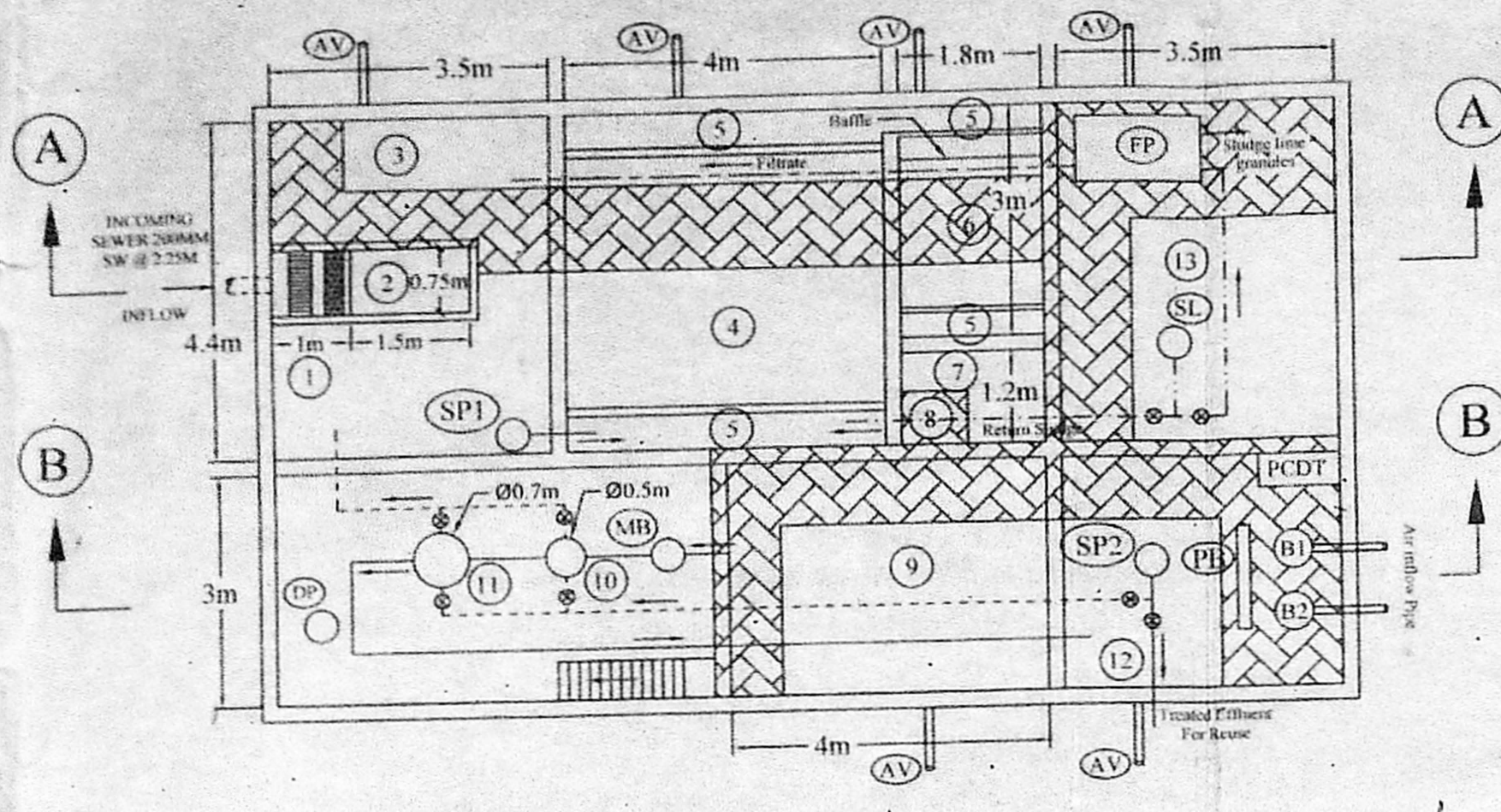
SCALE = 1:100

BRIJ & ASSOCIATES
 S. Srinivasan
 Partner
 OWNER

K.K. ANITHA, Archt.
 Reg. No. CA2011/53785
 No. 1, Saravanan Street, Saidapet,
 C. E.
 anitha489@yahoo.co.in

ARCHITECTS

PROPOSED SEWAGE TREATMENT PLANT OF 0.09 MLD CAPACITY

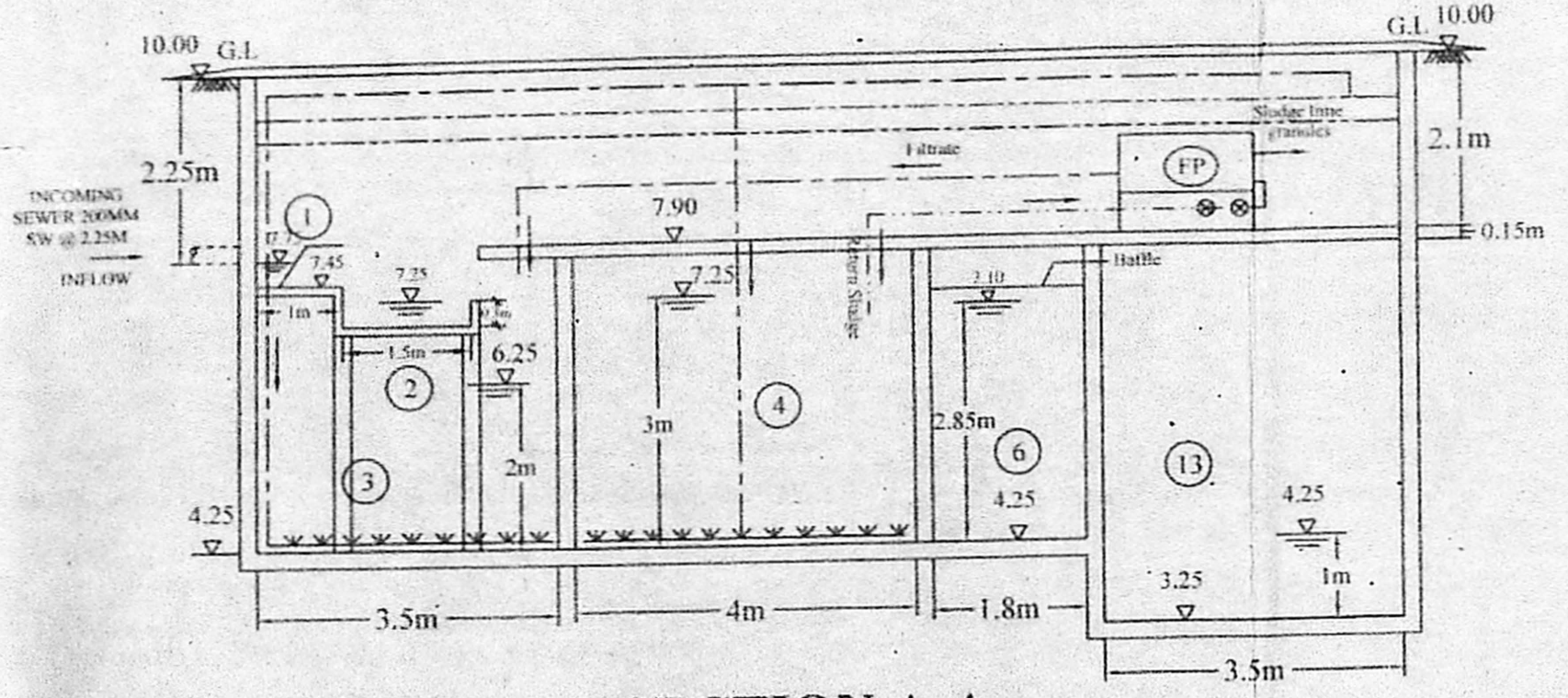


திட்ட வரைபட அனுமதி எண்
 B.S.P.L. No. 111. R.D. No. 12. 2017
 ஒப்பளிக்கப்பட்டது
 இவ்வலுவலகக் கட்டிட எண் B.1.6.5.2.1.14
 நாள் 23/11/17ல் குறிப்பிடப்பட்டிருக்க
 வரையறைகளுக்கு உட்பட்டது.
 உறுப்பினர் செயலருக்காக
 சென்னை பெருநகர் வளர்ச்சிக் குழுவும்,
 சென்னை - 600 008.

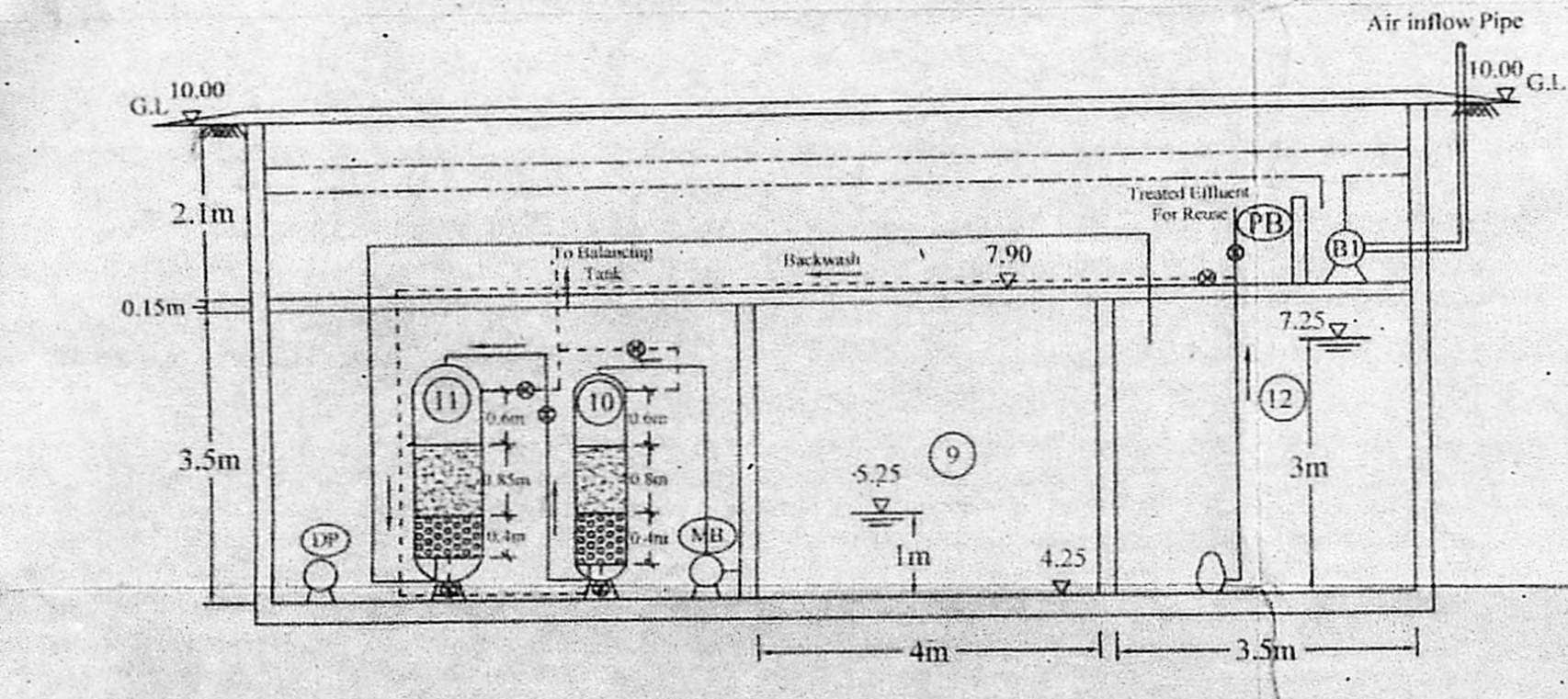
LEGEND:

- SCREEN CHAMBER
- GRIT CHANNEL
- BALANCING TANK
- AERATION TANK
- EFFLUENT LAUNDRY
- SETTLING TANK
- CHLORINE CONTACT TANK
- CHLORINE DOSING TANK
- INTERMITTENT EFFLUENT STORAGE TANK
- PRESSURE SAND FILTER
- ACTIVATED CARBON FILTER
- EFFLUENT SUMP
- SLUDGE COLLECTION TANK
- PANEL BOARD
- AV AIR VENT
- FP BELT FILTER PRESS WITH LIME POST MODULE
- PCDT POST CHLORINATION DOSING TANK
- SP1 SUBMERSIBLE PUMP - 3.80 cu.m/hr @ 12m
- SL SLUDGE PUMP - 10cu.m.hr @ 10m
- SP2 SUBMERSIBLE PUMP
- DP DRAIN PUMP
- MB MONOBLOCK PUMP - 3.80 cu.m/hr @ 12m
- B1 AIR BLOWERS FOR DIFFUSED AERATION
- B2 AIR BLOWERS FOR AIR CIRCULATION SYSTEM

RAW SEWAGE LINE (100mm dia)
 EFFLUENT LINE (100mm dia)
 SLUDGE LINE (80mm dia)
 AIR LINE (25mm dia)
 DUCT PROVIDED FOR AIR CIRCULATION IN BASEMENT
 DIFFUSED AIR ARRANGEMENTS



SECTION A-A



SECTION B-B

DESIGN DATA:

TOTAL BUILT UP AREA (F.S.I) - 27468 Sq.m

Proposed occupants for
 Anchor Shop - 1 & 2 - 850 nos
 Rate of water supply - 45 lpcd
 Water Consumption - 38250 L/D
 Sewage Generated - 30600 L/D
 No of Theatres 6
 Seating Capacity of Theatres - 675 nos
 Sewage generated from Theatres - 24000 L/D
 Seating Capacity of Food Court - 600 nos
 Sewage generated from food Court - 28800 L/D
 Seating Capacity of Restaurant - 112 nos
 Sewage generated from Restaurant - 5376 L/D
 Sewage generated from Show Room - 360 L/D
 Total Sewage Generated - 89136 L/D
 Proposed Capacity of STP - 0.09 MLD

INFLUENT AND EFFLUENT CHARACTERISTICS:

PARAMETER	INFLUENT	EFFLUENT
pH	6.5-8.0	6.5-8.0
S.S	450 mg/l	< 30 mg/l
BOD	350 mg/l	< 20 mg/l

DISPOSAL/REUSE OF TREATED EFFLUENT:

Total Quantity of treated effluent - 89136 L/D

I) TOILET FLUSHING

a). Anchor Shop - 1 & 2 - Staffs (850 @ 30 lpcd) - 25500 L/D

b). Theatre - Visitors (2025 @ 10 lpcd) - 20250 L/D

c). Restaurant & Food Court (712 @ 30 lpcd) - 21360 L/D

II) GARDENING

Garden area - (740 sq.m x 15 l / sq.m / twice a day) - 22200 L/D

Total Quantity of treated effluent proposed for reuse - 89310 L/D

SHEET NO : 4/4

LOCATION AND ACCESS TO STP:

The treatment units are proposed to be constructed below GL with access from Manhole opening provided at ground level. The panel board and air blowers are to be placed on the platform. The air inflow pipe to blowers and air vent pipe to be laid below drive way and fixed in the compound wall for air circulations.

K. ANITHA, B.Arch.,
 Reg. No. CA/2011/53769
 No.1, Soodramanpet Street, Saidapet,
 Chennai - 600 015. Ph: 99410 85299
 E-mail ID : anitha9489@yahoo.co.in

PROPOSED SEWAGE TREATMENT PLANT OF 0.09 MLD CAPACITY - PROPOSED CONSTRUCTION OF COMMERCIAL (SHOP) BUILDING AT MEDAVAKKAM MAIN ROAD AND DURAI SAMY NAGAR MAIN ROAD KEELKATTALAI CHENNAI - 600117, IN S.NO: 352/2A, 4, 5, 6A, 6B, 6C, 7, 353/1A, 1B, 2, 3, 4, 5, 6, 7, 8A, 8B (AS PER DOC) T.S.NO:11, OLD S.NO:352/2A, 4, 5, 6A, 6B, 6C, 7, 353/1A, 1B, 2, 3, 4, 5, 6A, 8A, 8B, BLOCK NO:35, WARD:H IN KEELKATTALAI VILLAGE, PALLAVAPURAM MUNICIPALITY, TAMBARAM TALUK, KANCHEEPURAM DIST.

NAME OF APPLICANT:	SIGNATURE OF APPLICANT: BRIJ & ASSOCIATES S. Teja Chandrasekar
M/s. BRIJ & ASSOCIATES	Partner