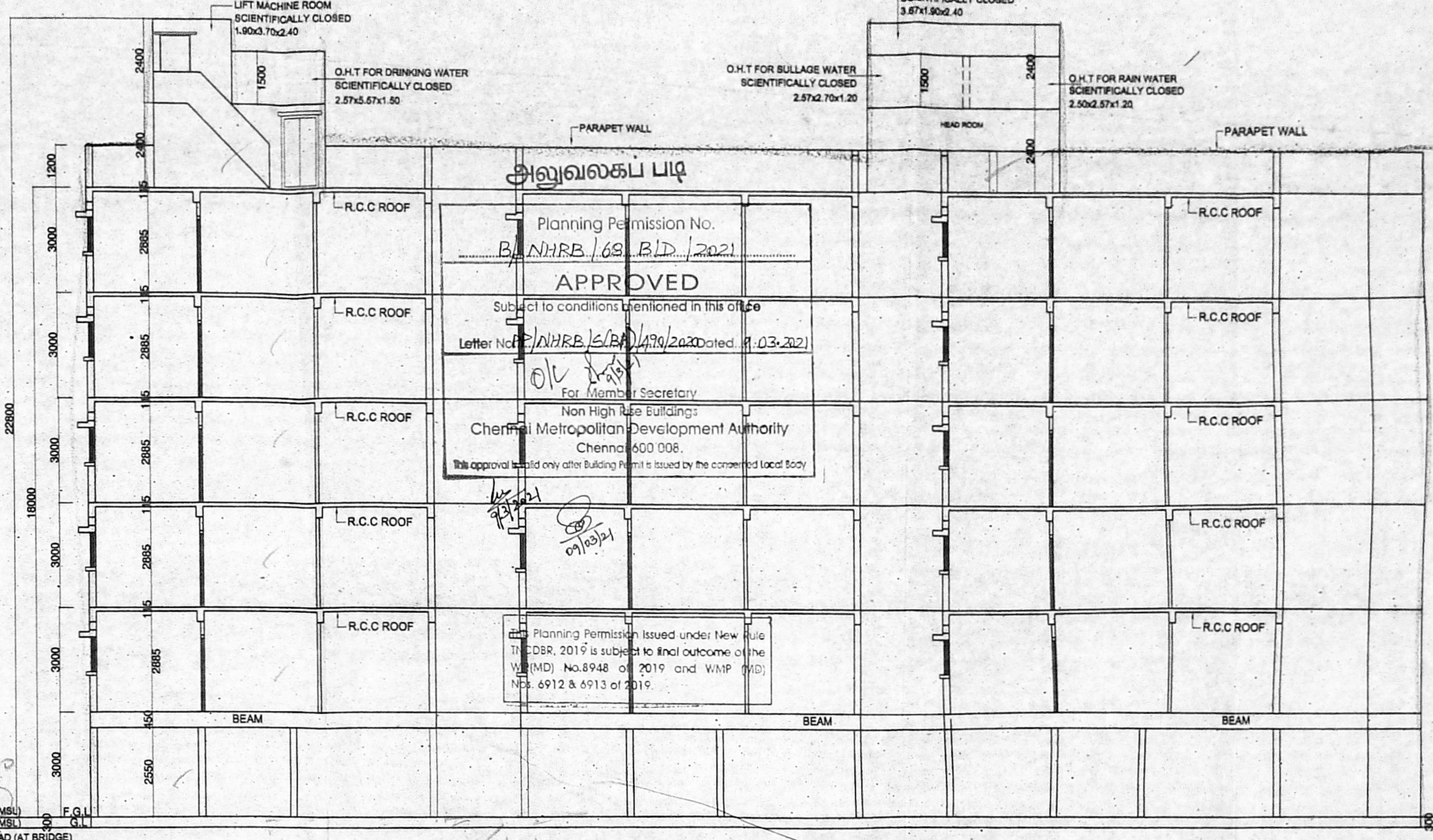
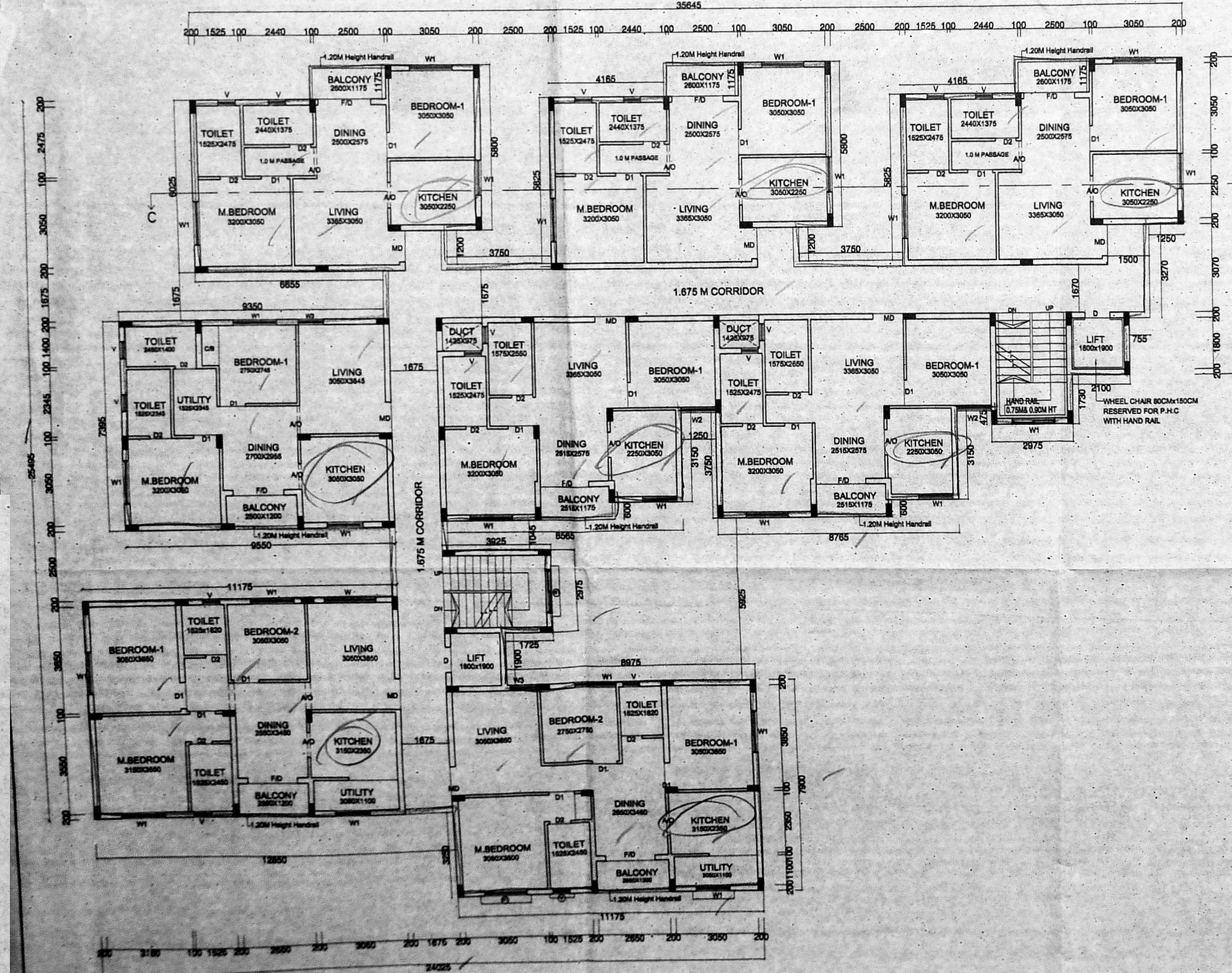


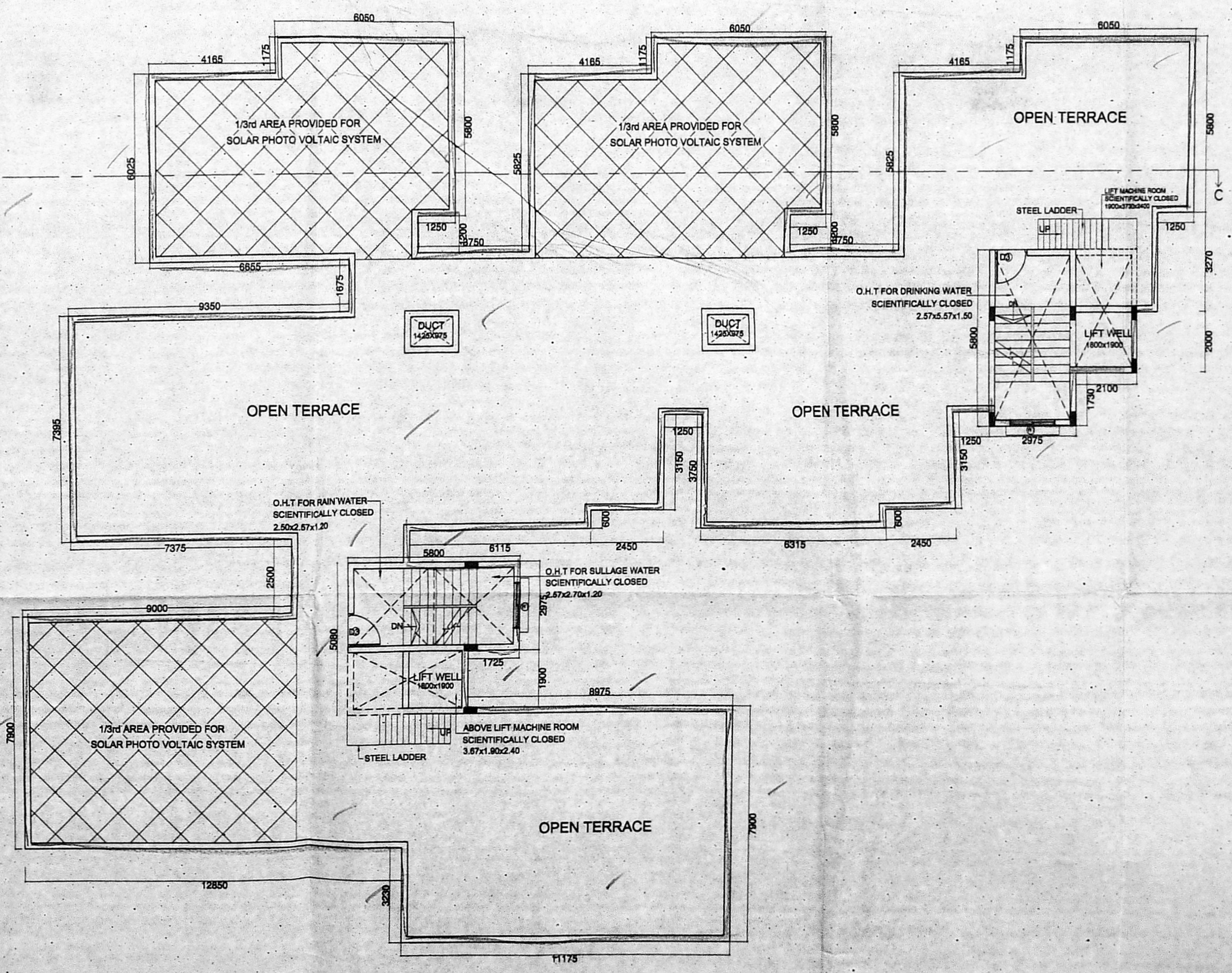
ELEVATION
BLOCK - A



SECTION ON C-C
BLOCK - A



TYPICAL FLOOR PLAN
(FIRST TO FIFTH FLOOR PLAN)
BLOCK - A



TERRACE FLOOR PLAN
BLOCK - A

PLAN SHOWING THE PROPOSED CONSTRUCTION OF GROUP DEVELOPMENT COMPRISING OF 2 BLOCKS, BLOCK-1 CONSISTING OF STILT+5 FLOORS (18.0m Height) RESIDENTIAL BUILDING WITH 40 DWELLING UNITS, BLOCK-2 CONSISTING OF STILT+5 FLOORS (18.0m Height) RESIDENTIAL BUILDING WITH 35 DWELLING UNITS, TOTALLY 75 DWELLING UNITS AT PLOT II IN THE CMDA APPROVED LAYOUT P.P.D./L.O NO: 20/2014 IN OLD S.NO: 276/11A(PT), 276/11B(PT), 276/11C(PT) & 276/11D(PT), 276/11E(PT) & 276/11F(PT) NEW S.NO: 276/11A1 & 276/11B1 OF OTTIYAMBAKKAM VILLAGE, TAMBARAM TALK, CHENGALPATTU DISTRICT, CHENNAI-600 008. ST. THOMAS MOUNT PANCHAYAT.

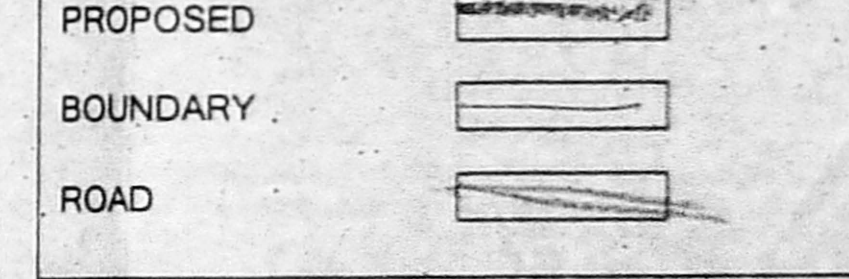
SPECIFICATIONS:

FOUNDATION:
R.C.C. FOUNDATION OVER A BED OF 1:4:8 SAND FILLING.
R.C. COLUMN FOUNDATION AND THE PLINTH BEAMS OVER A BED OF 1:4:8 SAND CUSHIONING.
SUPER STRUCTURE:
100mm THK. INTERNAL & 200mm THK. EXTERNAL WALLS IN C.M 1:5 WITH PLASTER IN C.M 1:5
R.C.C. WORK:
R.C. COLUMNS, BEAMS, SLABS, LINTELS AND SUNSHADES IN 1:2:4 MIX ADEQUATELY REINFORCED.
FLOORING:
KERAMIC FLOORING.
WEATHERING COURSE:
ONE SET OF BRICK JELLY LIME CONCRETE MIXED WITH CRUDE OIL POINTED AND LAID TO SLOPE.
NOTE:
UNDER GROUND BUMP AND OVER HEAD WATER TANK ARE SCIENTIFICALLY CLOSED.

SCHEDULE OF JOINERY

SYMBOL	DESCRIPTION	DIMENSION
MD	Main Door	1100x2100
D1	Door	900x2100
D2	Door	800x2100
FD	French Door	2450x2100
W1	Window	1500x1200
W2	Window	1200x1200
V	Ventilator	650x650

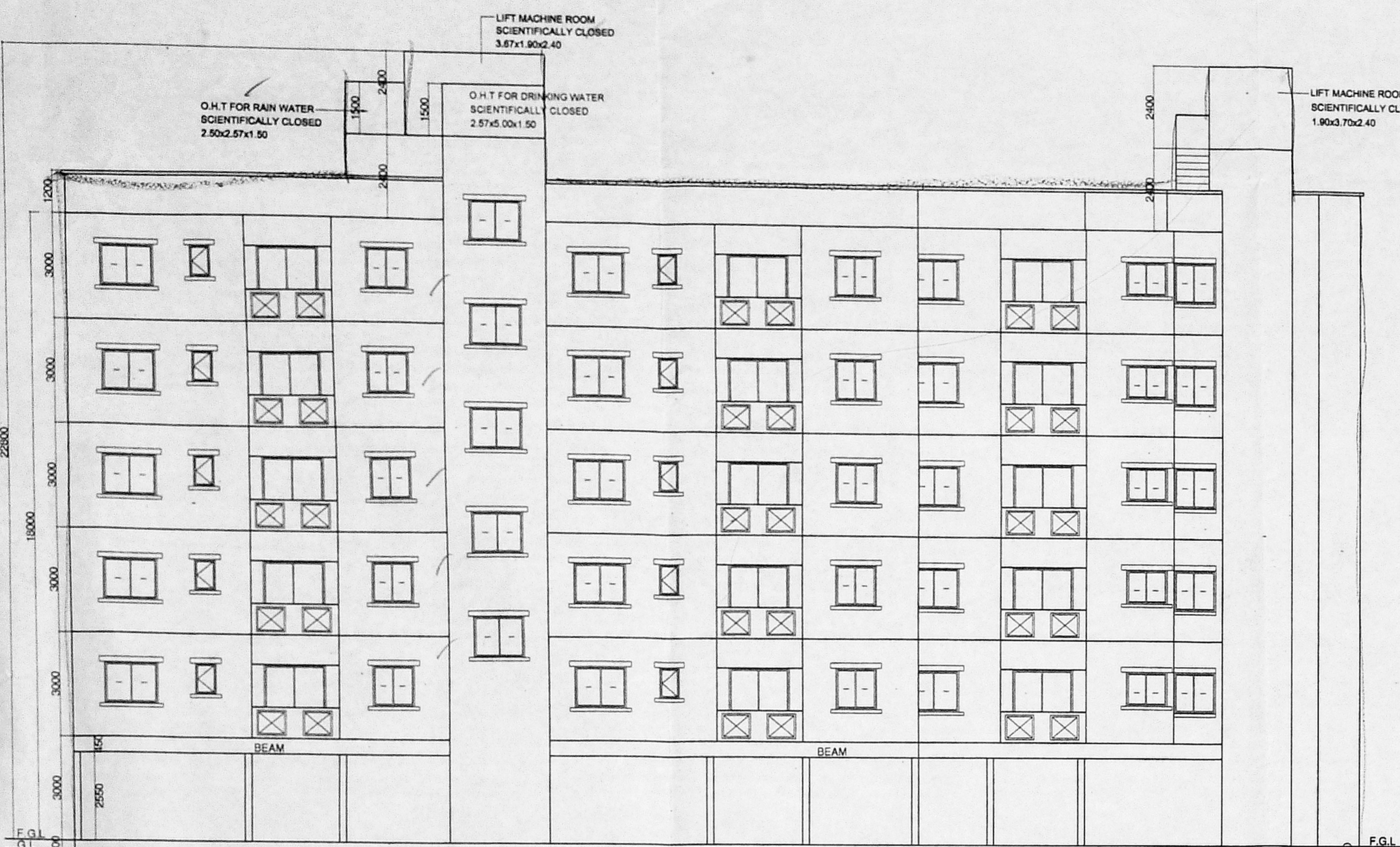
LEGEND



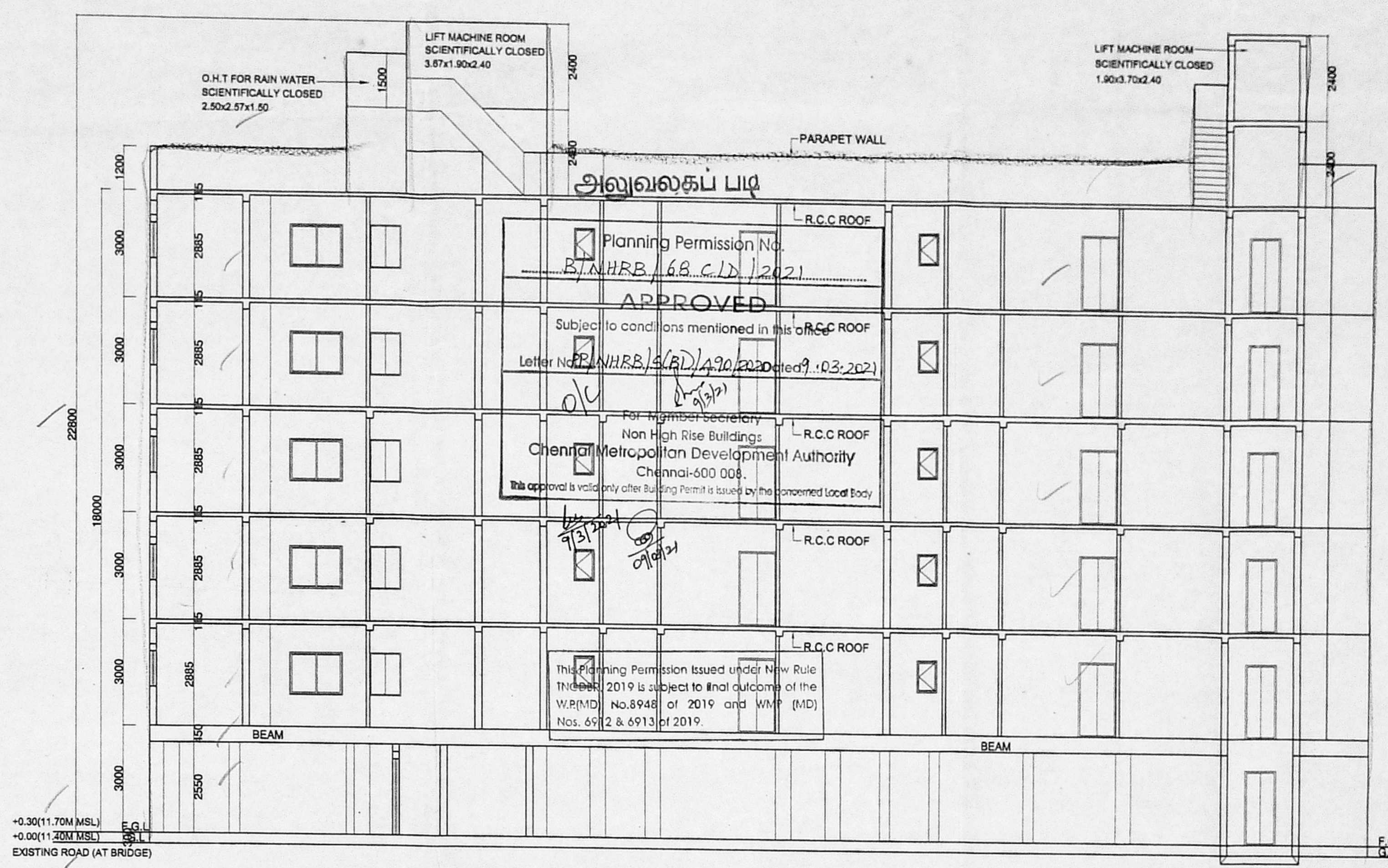
SIGNATURE OF THE OWNER / G/P A

STRUCTURAL ENGINEER

R. Chandrasekaran
R. CHANDRASEKARAN, B.E (CIVIL)
Structural Engineer, Approved Value No. F-4274,
REG. NO. 11902/005 & SEGR II/19/03/019
F1, Lotus Plaza 12, Appasamy Street,
Pulvertychennai, Chennai-600 014,
9444922018, Email: rchandrasekaran5@gmail.com



ELEVATION
BLOCK - B



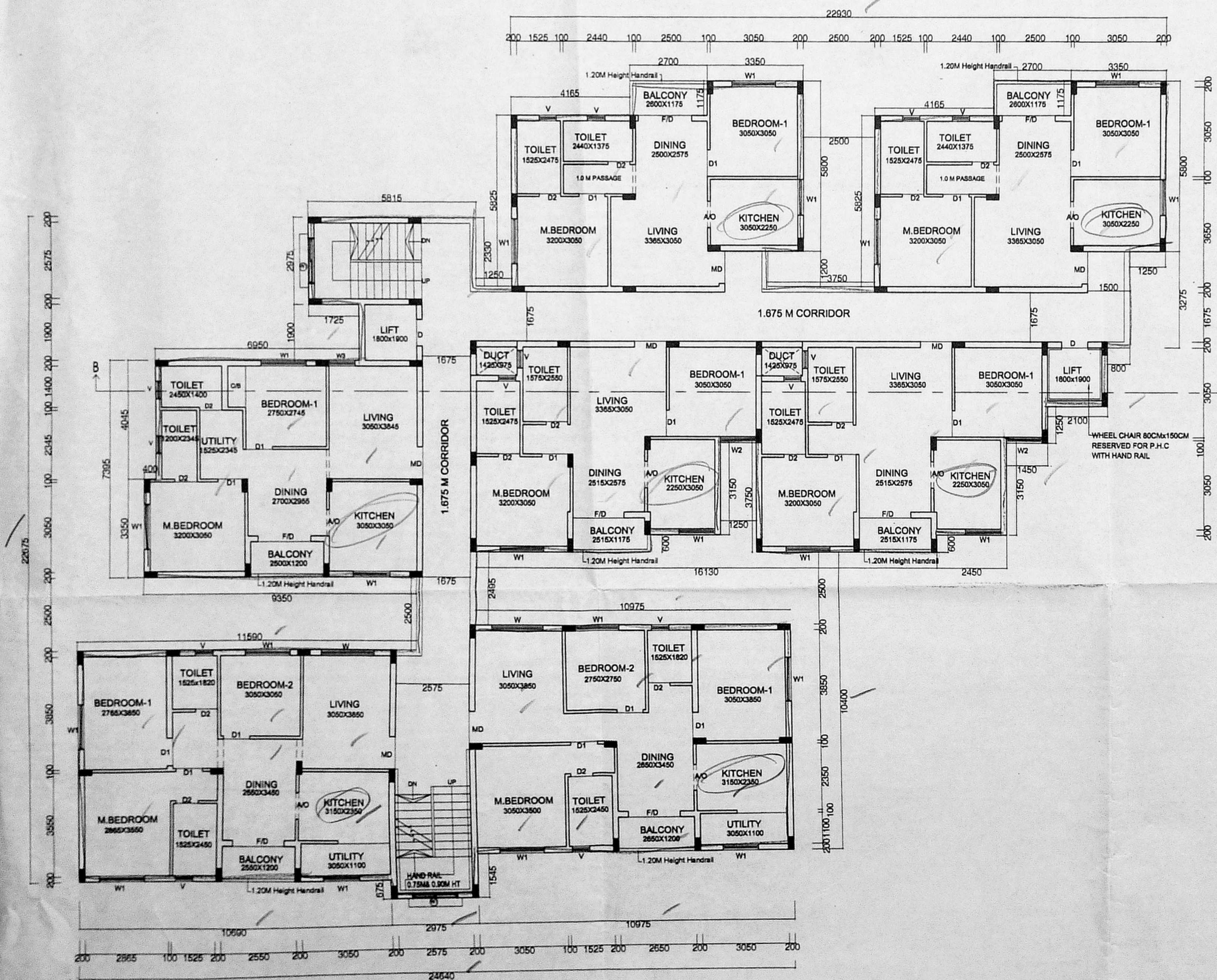
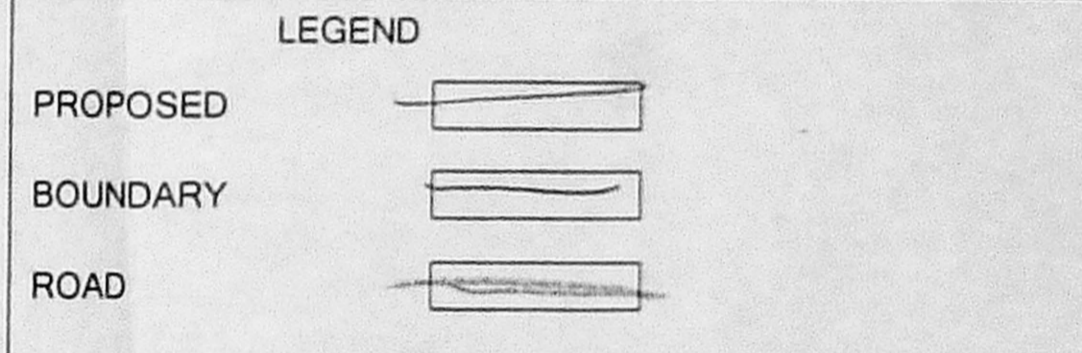
SECTION ON B-B
BLOCK - B

PLAN SHOWING THE PROPOSED CONSTRUCTION OF GROUP DEVELOPMENT COMPRISING OF 2 BLOCKS: BLOCK-1 CONSISTING OF STILT+5 FLOORS (18.0m HEIGHT) RESIDENTIAL BUILDING WITH 40 DWELLING UNITS; BLOCK-2 CONSISTING OF STILT+5 FLOORS (18.0m HEIGHT) RESIDENTIAL BUILDING WITH 35 DWELLING UNITS; TOTALLY 75 DWELLING UNITS AT PLOT RESERVED FOR SPECIAL BUILDING & PUBLIC PURPOSE PLOT II IN THE CMDA APPROVED LAYOUT P.P.D./L.O NO: 20/2014 IN OLD S.NO: 276/11A(P), 276/11B(PT), 276/11C(PT) & 276/11D(P), 276/11E(PT) & 276/11F(PT) NEW S.NO: 276/11A1 & 276/11B1 OF OTTIYAMBAKKAM VILLAGE, TAMBARAM TALUK, CHENGALPATTU DISTRICT, CHENNAI - 600 126. ST. THOMAS MOUNT PANCHAYAT UNION. SCALE 1:100

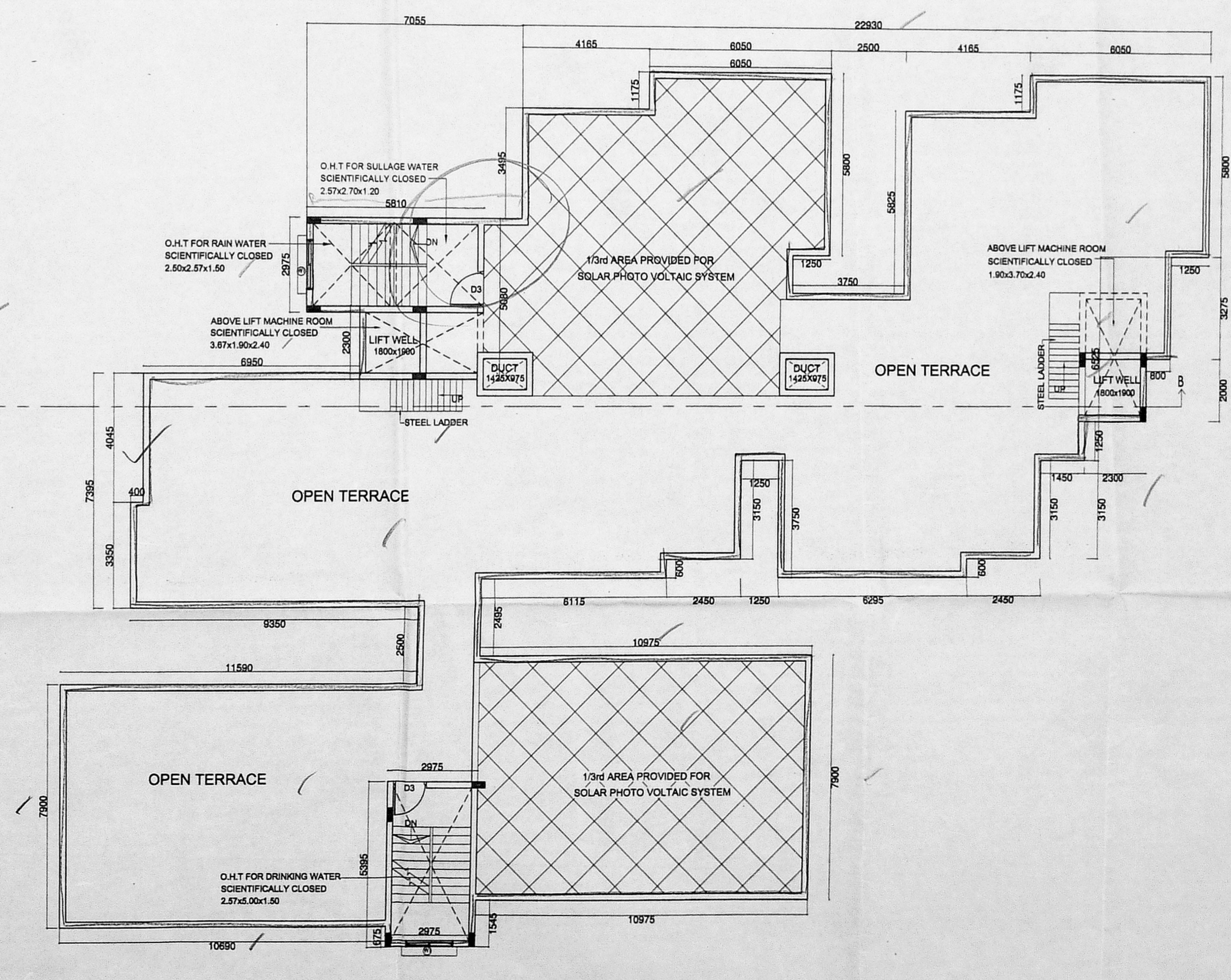
SPECIFICATIONS:
FOUNDATION:
 R.C.C. FOUNDATION OVER A BED OF 1:4:8 SAND FILLING.
 R.C. COLUMN FOUNDATION AND TIE (PLINTH) BEAMS OVER A BED OF P.C.C 1:4:8 SAND CUSHIONS.
SUPER STRUCTURE:
 100mm THK INTERNAL & 200mm THK EXTERNAL WALLS IN C.M 1:5 WITH PLASTER IN C.M 1:5
R.C.C. WORK:
 R.C. COLUMNS, BEAMS, SLABS, LINTELS AND SUNSHADES IN 1:2:4 MIX ADEQUATELY REINFORCED.
FLOORING:
 CERAMIC FLOORING.
WEATHERING COURSE:
 ONE SET OF BRICK JALLY LIME CONCRETE MIXED WITH CRUDE OIL POINTED AND LAID TO SLOPE.
NOTE:
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SCHEDULE OF JOINERY

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MD	Main Door	1100x2100
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TYPICAL FLOOR PLAN
(FIRST TO FIFTH FLOOR PLAN)
BLOCK - B



TERRACE FLOOR PLAN
BLOCK - B

SIGNATURE OF THE OWNER / G.P.
 For BCIL ZED RIA PROPERTIES PVT LTD

திருத்தப் படி 13/2021
 நாள்: 3.3.2021

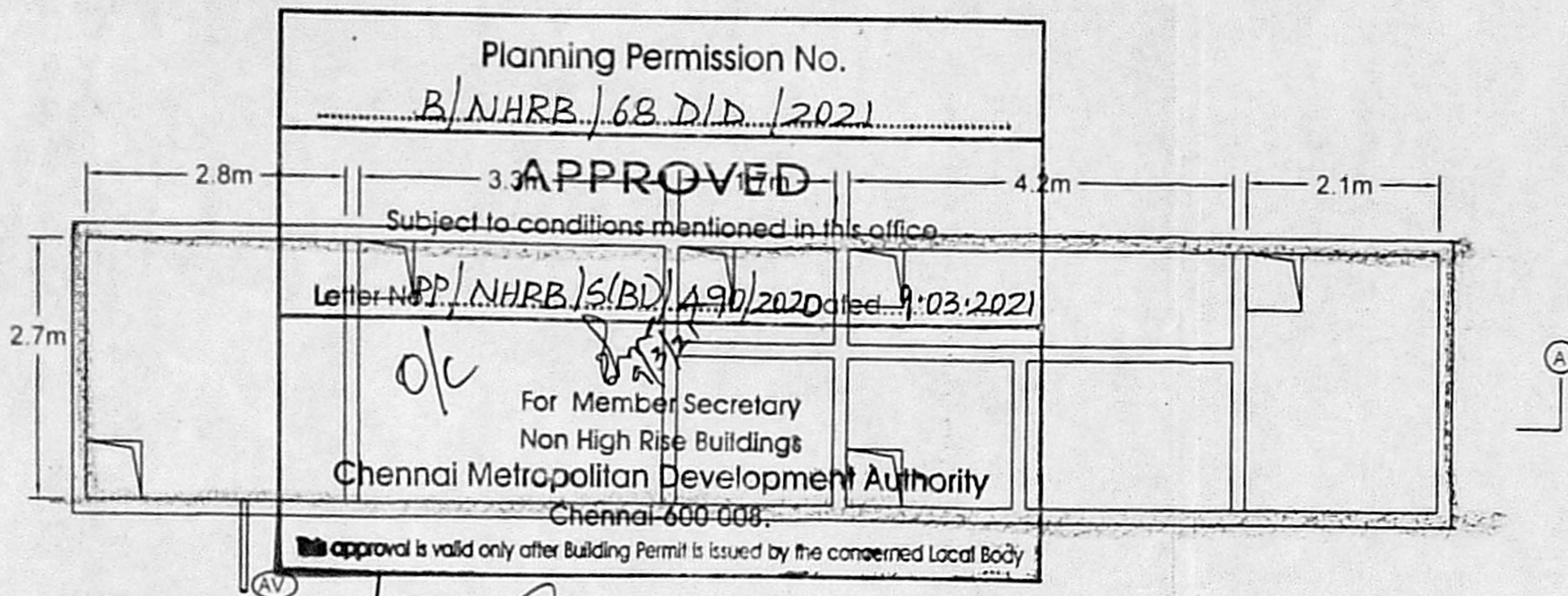
REGISTERED ENGINEER
 E.V. VARARISHI, P.E. (Civil)
 Registered CMDA Structural Engineer Grade-III
 Reg. No. 22706/2009/04
 No. 154-44, South West Road, Rajahmundry, Chenna-17, Mobile: 99462 27170
 Email: id_sudhakar@rediffmail.com

சு.பெ.வ.கு. (பி) ஸ்தலம்
 ந. எண் P.P.D./L.O No 20/2014
 உத்தியோகம்
 கமிட்டியில்
 தி.உ. 3.3.2021
 மு.தி.அ.

REGISTERED ENGINEER
 R. CHANDRASEKARAN, B.E. (Civil) F.I.V.
 Structural Engineer, Approved Value No F-24274,
 REG. NO. 11842/005 & SE. NO. 111/813/019
 F.I. Lotus Flats, 12, Kuppam Street,
 Palayamkottai, Chennai-601114,
 9444952018, Email: rchandrasekaran5@gmail.com

SEWAGE TREATMENT PLANT OF CAPACITY 0.045 MLD

Activated Sludge Process - Extended Aeration



DESIGN DATA:

No of Flats	-	75
No. of Occupants	-	375
Rate of water supply	-	135 lpcd
Water Consumption	-	50625 L/D
Sewage Generation	-	40500 L/D
Proposed Capacity of STP-		0.045 MLD

INFLUENT AND EFFLUENT CHARACTERISTICS:

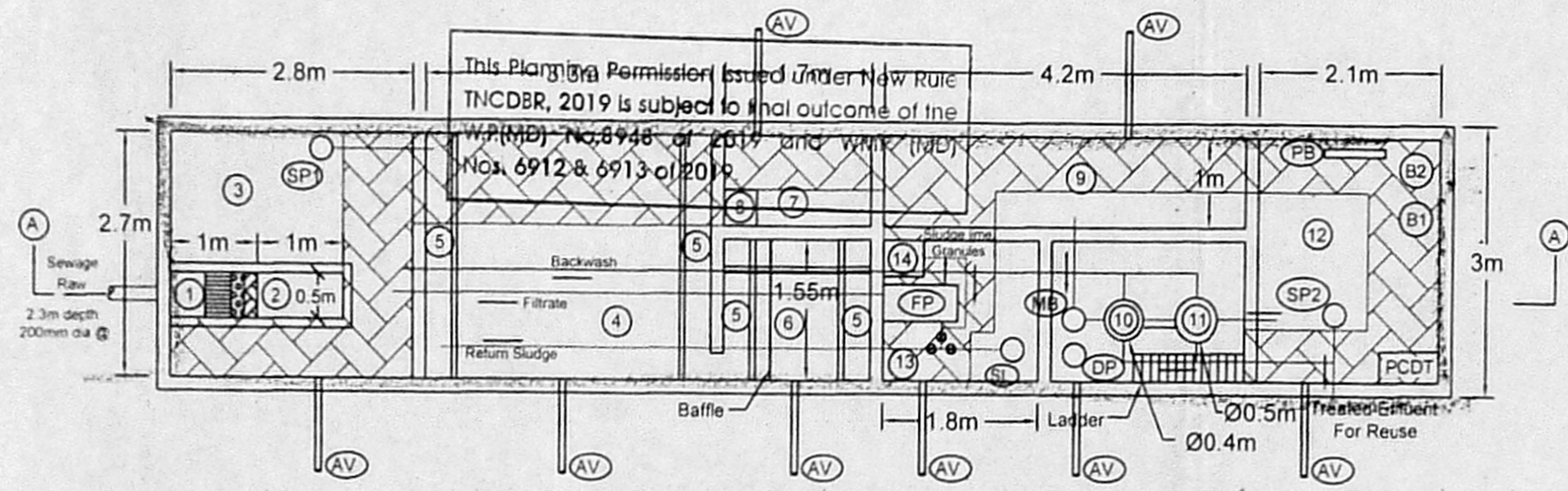
PARAMETER	INFLUENT	EFFLUENT
pH	6.5 - 8.0	6.5 - 8.0
S.S	450 mg/l	< 30 mg/l
BOD ₅	350 mg/l	< 20 mg/l

LOCATION AND ACCESS TO STP:

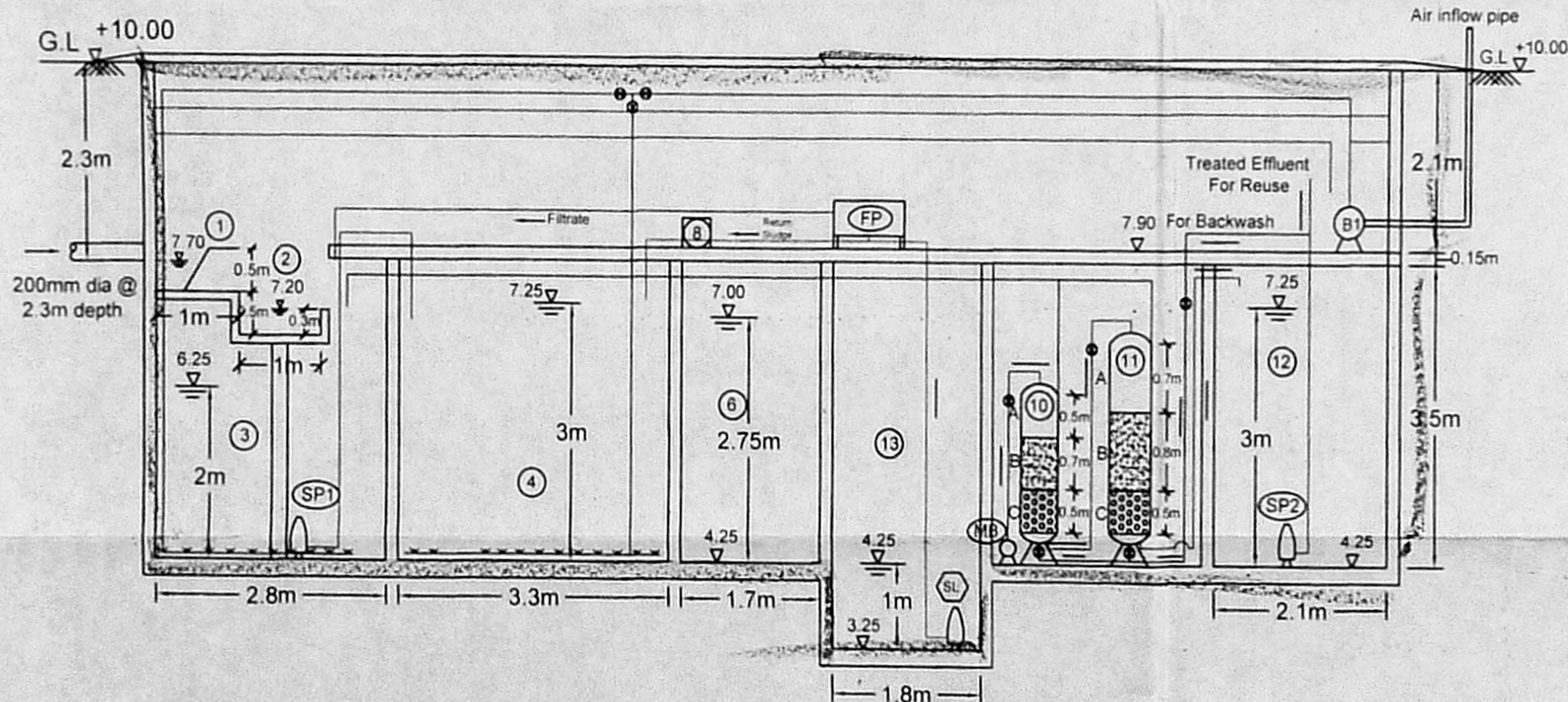
The treatment units are proposed to be constructed below GL with access from Manhole opening provided at ground level. The panel board and air blowers are to be placed on the platform of STP. The air inflow pipe to blowers and air vent pipe to be laid below drive way and fixed in the compound wall for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

LEGEND: அலுவலகப் படி

- SCREEN CHAMBER
 - GRIT CHAMBER
 - BALANCING TANK
 - AERATION TANK
 - EFFLUENT LAUNDER
 - SETTLING TANK
 - DISINFECTANT TANK
 - CHLORINE DOSING TANK
 - INTERNAL EFFLUENT STORAGE TANK
 - PRESSURE SAND FILTER
 - ACTIVATED CARBON FILTER
 - EFFLUENT PUMP
 - SLUDGE COLLECTION TANK
 - POLYELECTROLYTE DOSING TANK
 - PB PANEL BOARD
 - AV AIR VENT
 - FP BELT FILTER PRESS WITH LIME POST TREATMENT MODULE
 - SP1 SUBMERSIBLE PUMP - 1.9cu.m/hr @ 12m
 - SL SLUDGE PUMP - 10 cu.m/hr @ 10m
 - MB MONOBLOCK PUMP - 1.9cu.m/hr @ 12m
 - SP2 SUBMERSIBLE EFFLUENT PUMP
 - PCDT POST CHLORINATION DOSING TANK
 - DP DRAIN PUMP
 - B1, B2 AIR BLOWERS
 - G.L & H.L ARE IN METRES
- _____ RAW SEWAGE LINE (80mm dia)
 _____ EFFLUENT LINE (80mm dia)
 _____ SLUDGE LINE (80mm dia)
 _____ AIR LINE (25mm dia)
 _____ DUCT PROVIDED FOR AIR CIRCULATION IN BASEMENT
 _____ DIFFUSED AIR ARRANGEMENT



PLAN



SECTION A-A

PLAN SHOWING THE PROPOSED CONSTRUCTION OF GROUP DEVELOPMENT COMPRISING OF 2 Blocks;
 BLOCK-1 CONSISTING OF STILT+5 Floors (18.0m Height) RESIDENTIAL BUILDING WITH 40 DWELLING UNITS;
 BLOCK-2 CONSISTING OF STILT+5 Floors (18.0m Height) RESIDENTIAL BUILDING WITH 35 DWELLING UNITS;
 TOTALLY 75 DWELLING UNITS AT PLOT RESERVED FOR SPECIAL BUILDING & PUBLIC PURPOSE PLOT II IN THE CMDA APPROVED LAYOUT P.P.D./L.O NO: 20/2014 IN OLD S.NO: 276/11A(Pt), 276/11B(PT), 276/11C(PT) & 276/11D(Pt), 276/11E(PT) & 276/11F(PT) NEW S.NO: 276/11A1 & 276/11B1 OF OTTIYAMBAKKAM VILLAGE, TAMBARAM TALUK, CHENGALPATTU DISTRICT, CHENNAI - 600 126. ST. THOMAS MOUNT PANCHAYAT UNION.

For BCIL ZED RIA PROPERTIES PVT LTD

SIGNATURE OF THE OWNER / GPA

STRUCTURAL ENGINEER

R. Chandrasekar
 R.CHANDRASEKARAN, B.E.(Civil), F.V.
 Structural Engineer, Approved Valuer No.F.24274,
 RE/GR-I/19/02/005 & SE/GR-II/19/03/019
 F1, Lotus Flats, 12, Kuppasamy Street,
 Palavanchangal, Chennai-600114.
 9444992018, Email: grcookaran58@gmail.com

REGISTERED ENGINEER

SHEET NO:-4/4