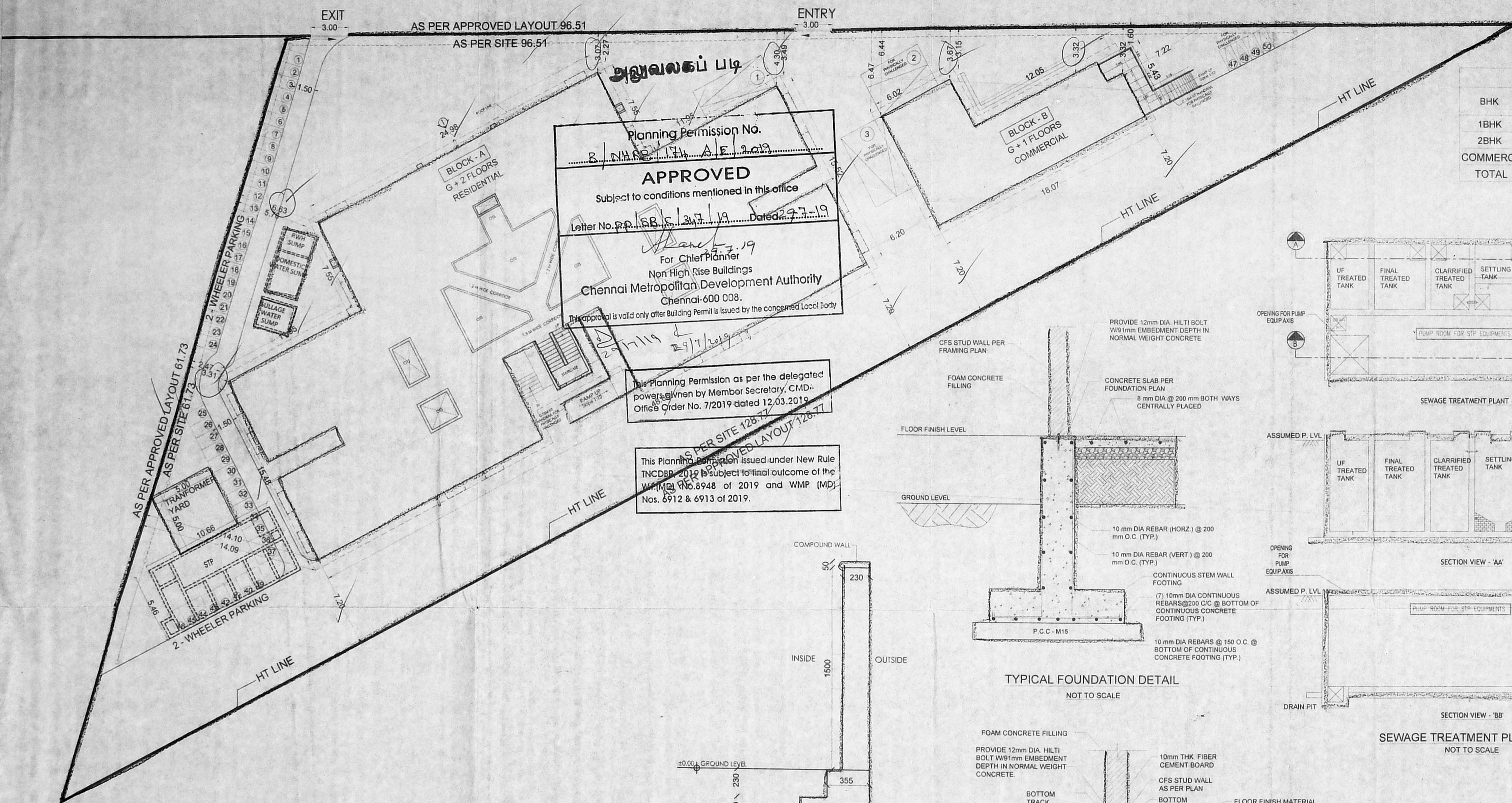


12.0M WIDE ROAD



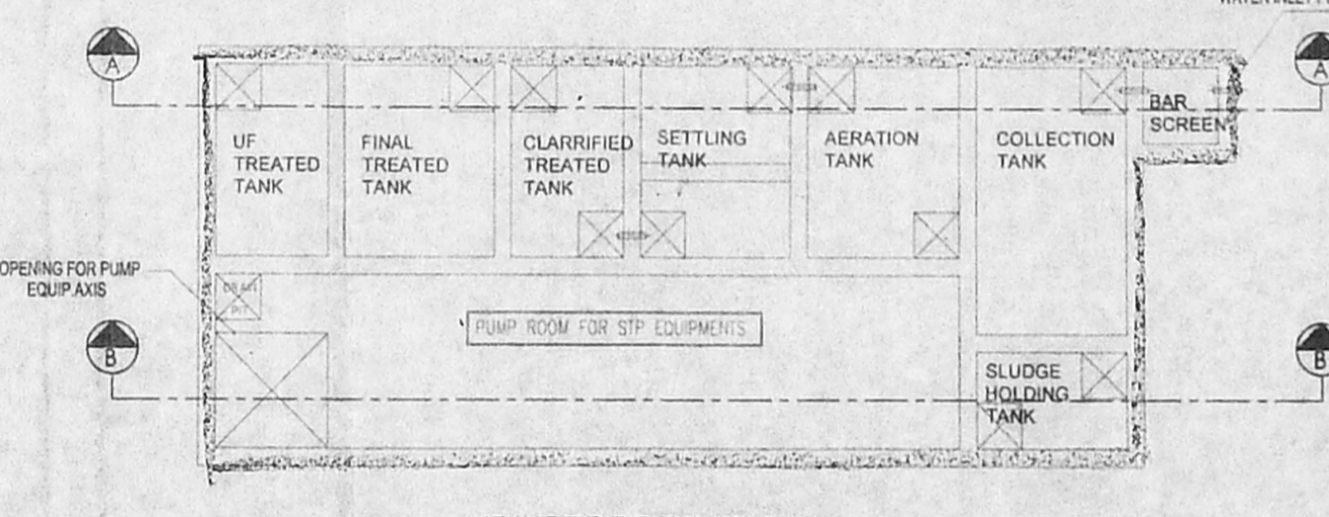
Planning Permission No. B.N. 55/171/19
APPROVED
 Subject to conditions mentioned in this office
 Letter No. P.P. 66/5/19 Dated 27.7.19
 For Chief Planner
 Non High Rise Buildings
 Chennai Metropolitan Development Authority
 Chennai-600 008.
 This approval is valid only after Building Permit is issued by the concerned Local Body.

This Planning Permission as per the delegated powers given by Member Secretary, C.M.D. Office's Order No. 7/2019 dated 12.03.2019.

This Planning Permission issued under New Rule TNCDR 2012 is subject to final outcome of the WMP (MD) No. 8948 of 2019 and WMP (MD) Nos. 6912 & 6913 of 2019.

BHK	No. of person (NBC-2016)	Units	Occupation	Consumption per Head (Litres / Day)	Total requirement (Litres)
1BHK	G + 2	18	71	135	9720
2BHK	G + 1	22	110	135	14850
COMMERCIAL	6 SqM / Person	185 SqM	35	45	1575
TOTAL		40	217		26145

STP CALCULATION @ 90% = 23530.5 L



SEWAGE GENERATION :
 = 90% of Domestic water + 100% of Non domestic water
 = 0.9 x 23530 + 8715
 = 24,400 L/day
 Expected per day sewage outflow : 24400 l/day

SEQUENCE BATCH PROCESS :
 No. of Batches : 3
 Quantity processed per batch : 8133 L
 Aeration time : 3 Hrs

TANK DESIGN CALCULATION :
 Avg Inflow of Sewage : 2000 L/Hour
 MOC : RCC
 Dimensions : As per site
 Nos. : 1
 Pipe provided for gravity flow : 200mm

COLLECTION TANK :
 Avg. Inflow of sewage : 2000 L/Hr
 Tank Volume : 12kl

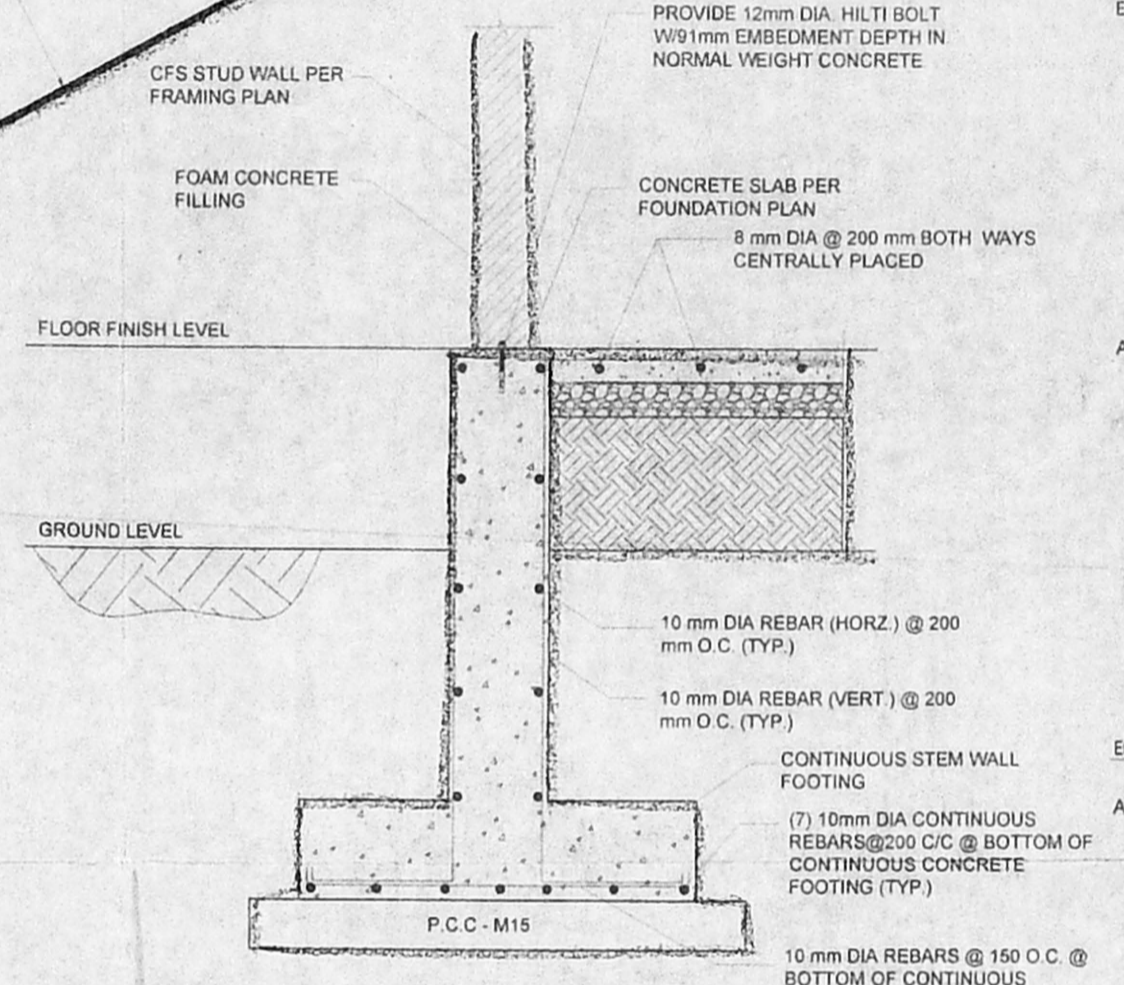
SBRTANK :
 Avg. Inflow of sewage : 2000 L/Hr
 No. of Hrs of operation : 20Hrs
 MLSS Level : 3500 mg / L
 Tank Volume : 20 kl

CLARIFIED WATER TANK :
 Avg. Inflow of sewage : 2000 L/Hr
 No. of Hrs of operation : 20Hrs
 Tank Volume : 12kl

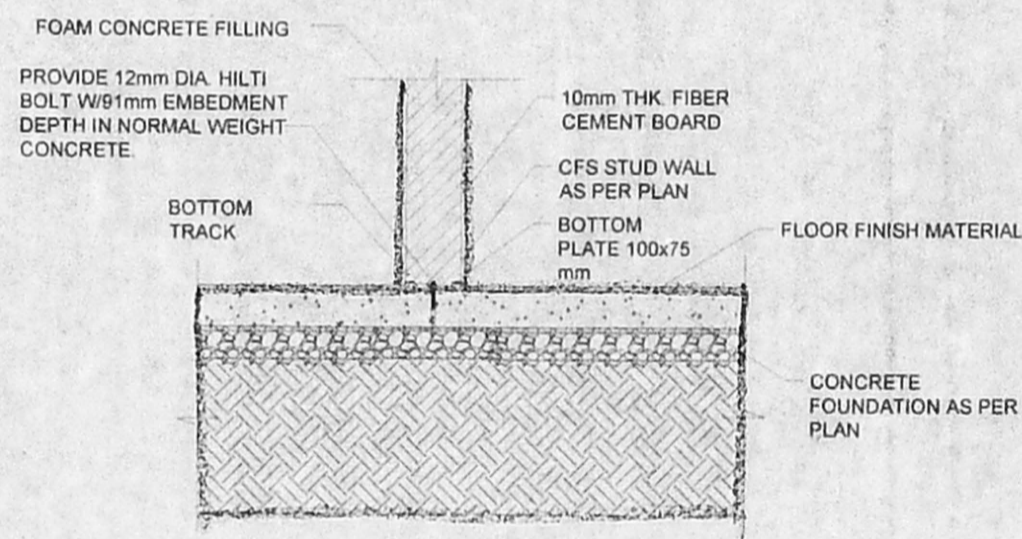
SLUDGE HOLDING TANK :
 Avg. Inflow of sewage : 2000 L/Hr
 No. of Hrs of operation : 20Hrs
 Tank Volume : 8kl

FINAL TREATED WATER TANK :
 Avg. Inflow of sewage : 2000 L/Hr
 No. of Hrs of operation : 20Hrs
 Tank Volume : 12kl

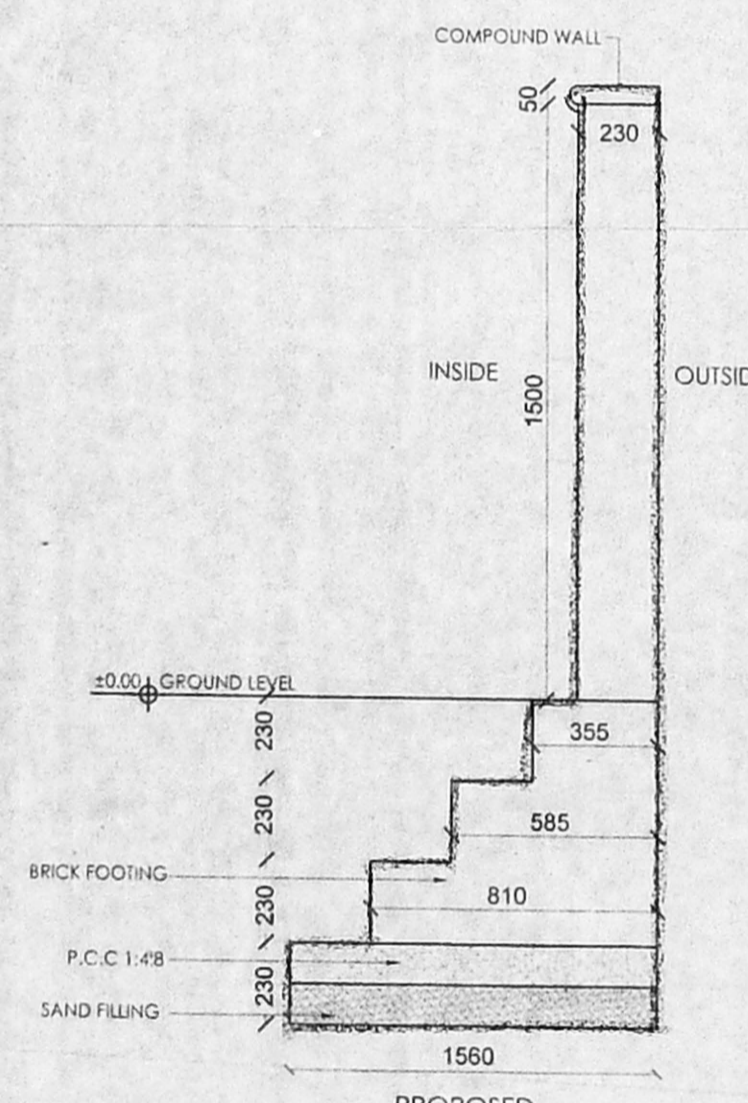
ULTRA FILTRATION TANK :
 Avg. Inflow of sewage : 2000 L/Hr
 No. of Hrs of operation : 20Hrs
 Tank Volume : 8kl



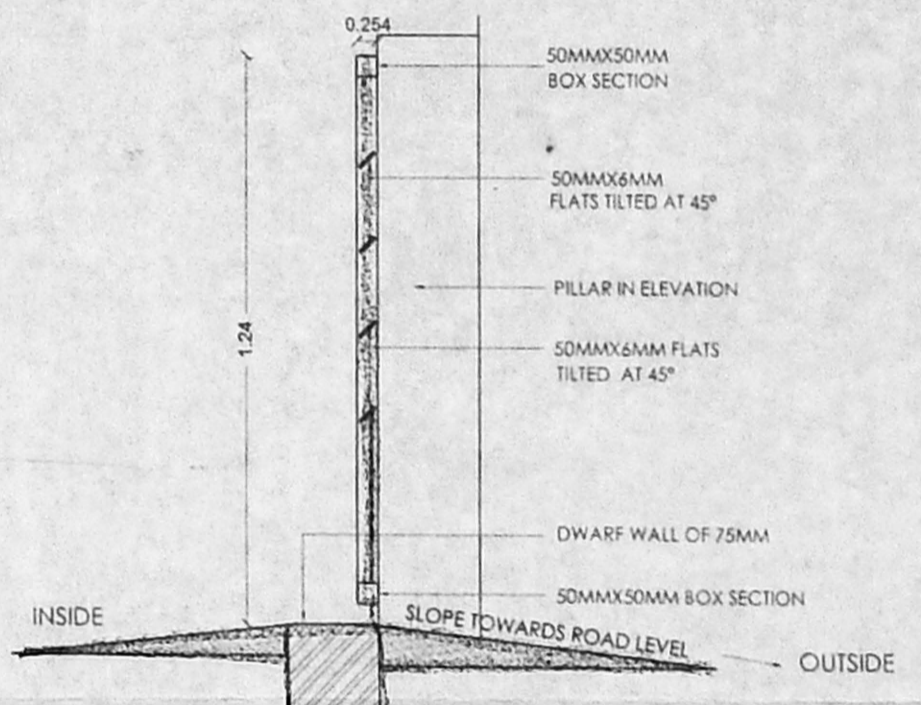
TYPICAL FOUNDATION DETAIL NOT TO SCALE



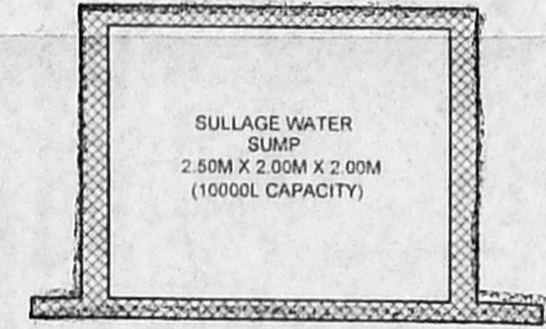
INTERNAL WALL SECTION DETAIL NOT TO SCALE



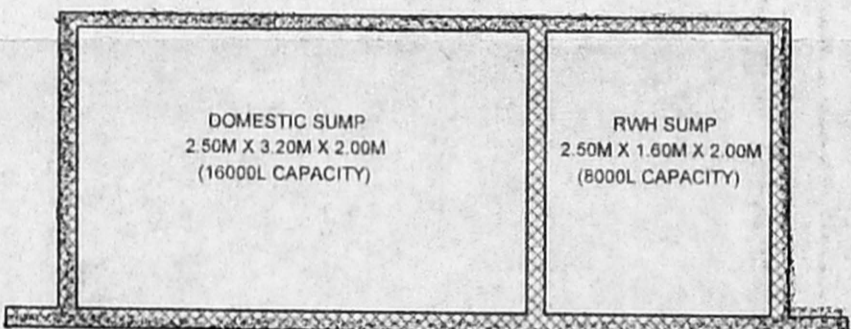
PROPOSED COMPOUND WALL NOT TO SCALE



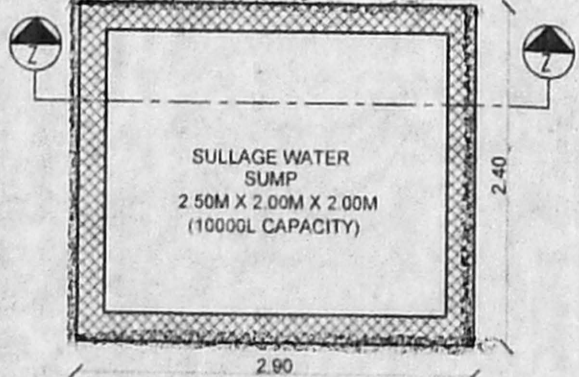
SECTION H H DWARF WALL AND GATE SECTION NOT TO SCALE



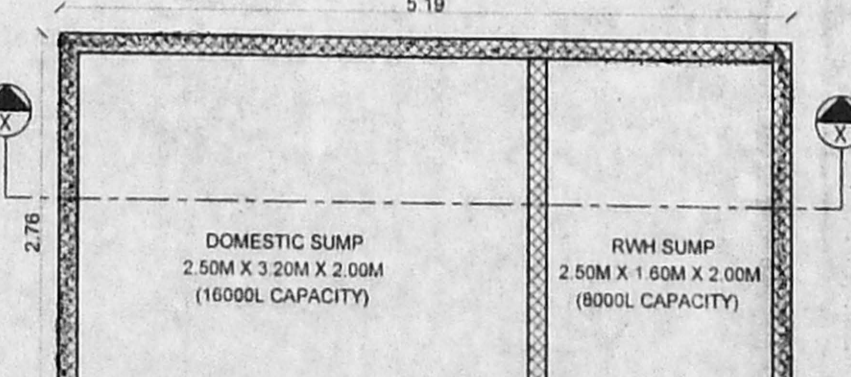
SECTION ZZ



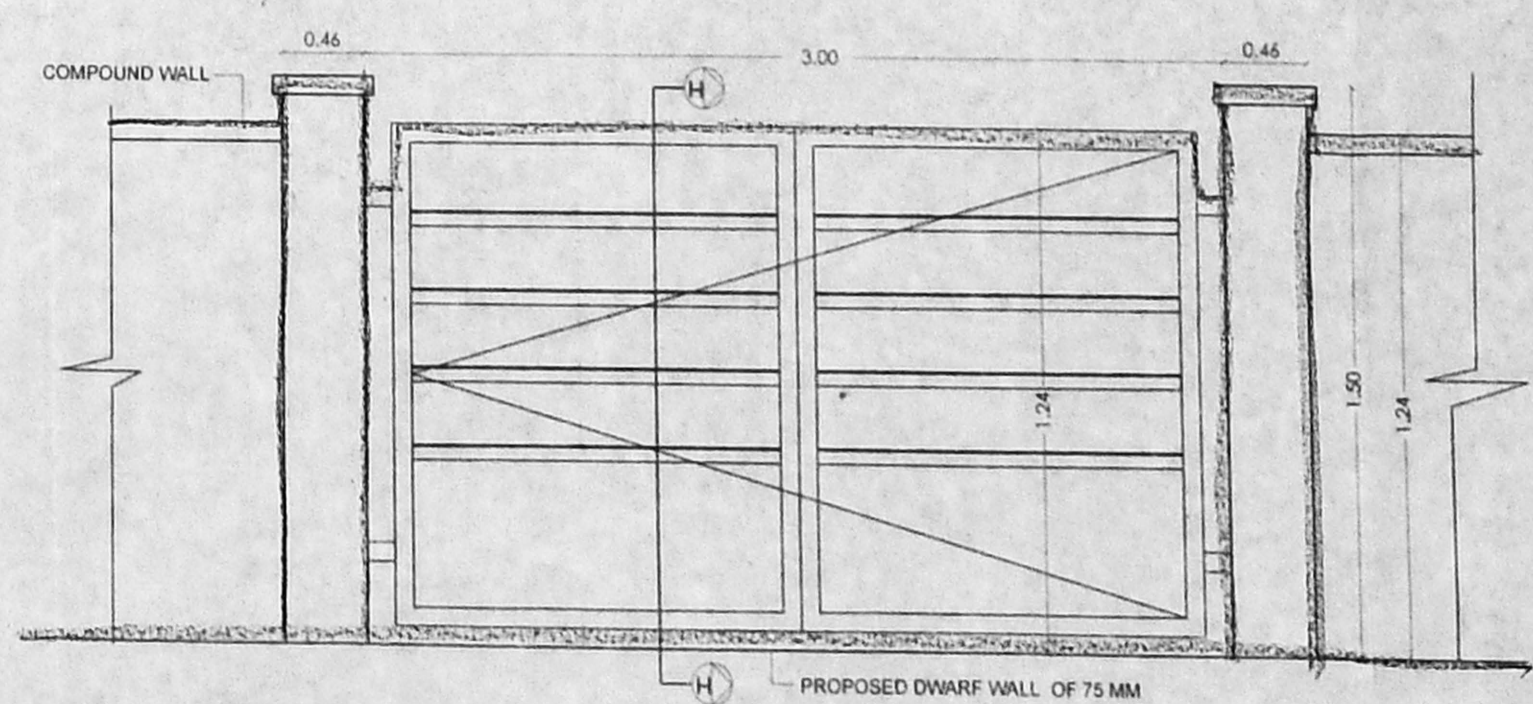
SECTION XX



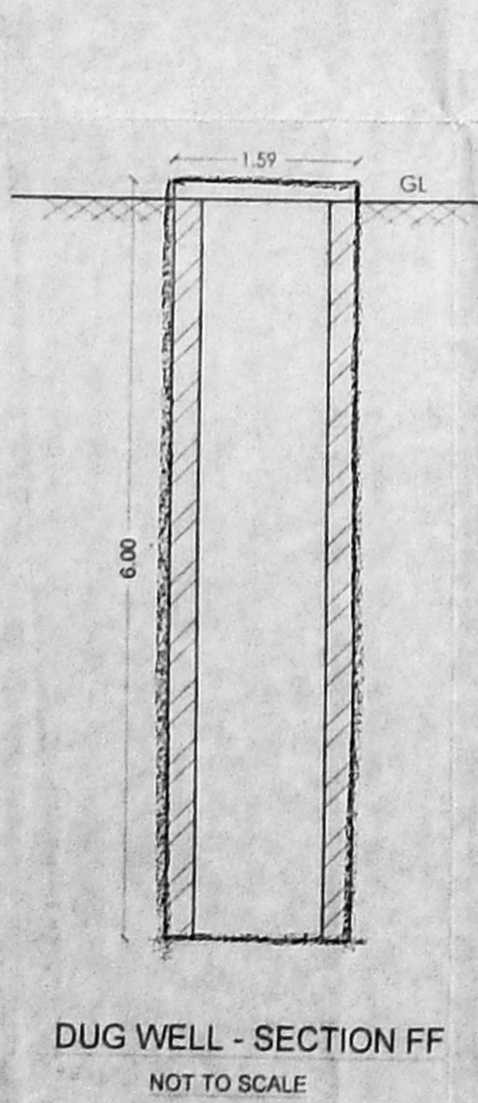
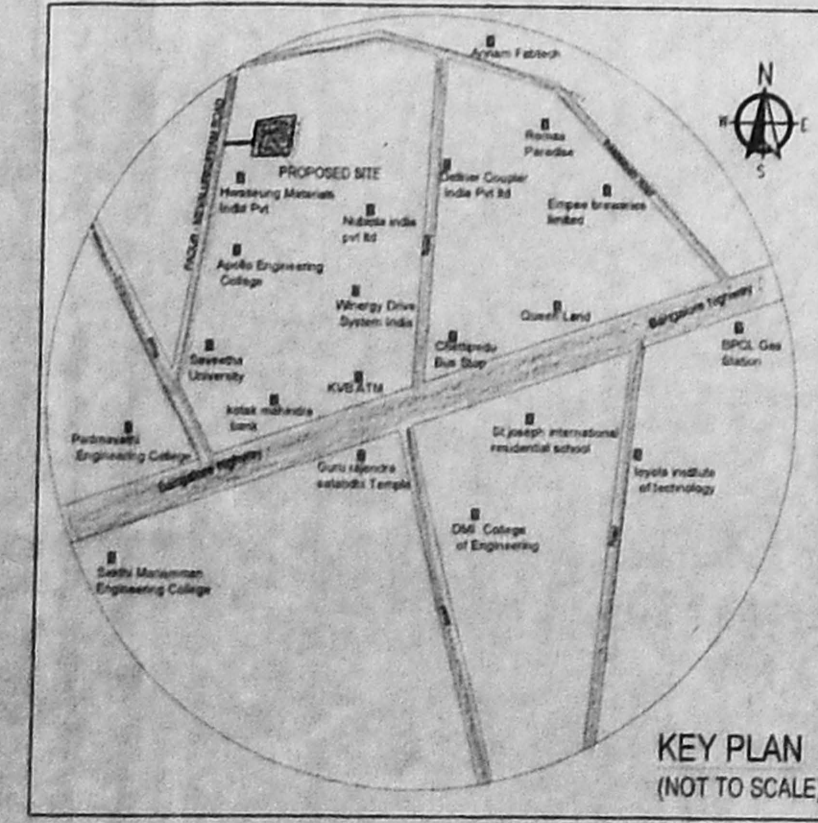
PLAN NOT TO SCALE



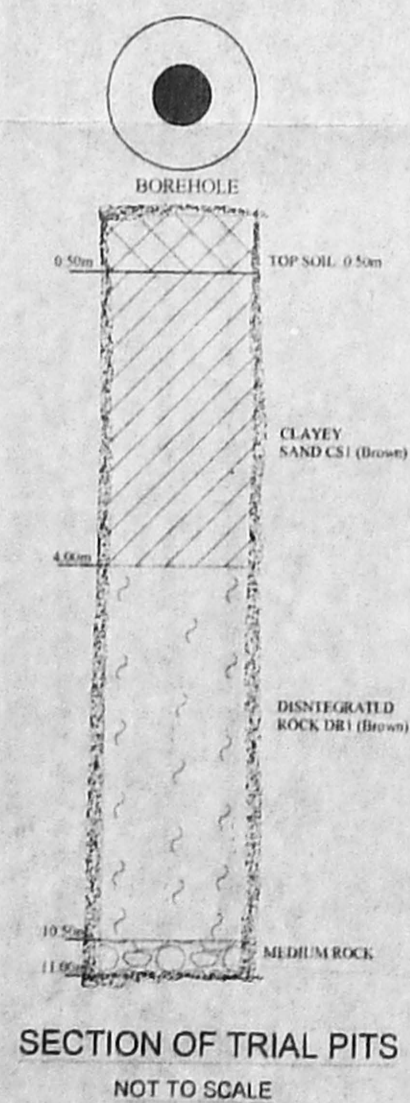
PLAN - SUMP NOT TO SCALE



ENTRY & EXIT GATE DETAIL NOT TO SCALE



DUG WELL - SECTION FF NOT TO SCALE



SECTION OF TRIAL PITS NOT TO SCALE

AREA STATEMENT:
 AREA AS PER APPROVED LAYOUT 96.51
 SITE EXTENT

RESIDENTIAL BLOCK	Area (Sq. M)
Block A (G+2 Floors Residential)	2470.92
Block B (G+1 Floors Commercial)	185.00
TOTAL FSI AREA CALCULATION	2724.41

FSI ACHIEVED = $\frac{2724.41}{2851.10} = 0.956$

PARKING CALCULATION	Requirement	Provided
CAR PARKING REQUIRED	3 No.s	3 No.s
TWO WHEELER PARKING REQUIRED	21 No.s	21 No.s
TWO WHEELER PARKING PROVIDED (2 FOR PHYSICALLY CHALLENGED PERSON)	50 No.s	50 No.s

PLAN SHOWING THE PROPOSED CONSTRUCTION OF GROUP DEVELOPMENT OF 2 BLOCKS, BLOCK A HAVING GROUND FLOOR + 2 FLOORS, RESIDENTIAL BUILDING WITH 46 DWELLING UNITS, BLOCK B HAVING GROUND FLOOR + 1ST FLOOR, COMMERCIAL BUILDING (SHOP) AT PLOT NO.7, 12M WIDE ROAD, KUTHAMBAKKAM, CHENNAI, COMPRISED IN S.NO 803/1/P2 PART, 1Q PART, 1R PART OF KUTHAMBAKKAM VILLAGE WITHIN THE LIMIT OF POONAMALLEE PANCHAYAT UNION LIMIT.

LEGEND
 SITE BOUNDARY
 EXISTING ROAD
 PROPOSED ROAD
 OSR

APPLICANT:
 For SHANBAGAM ESTATE PVT LTD
 Authorised Signatory

ARCHITECT:
 Ar. P.K. VIJAYARAGHAVAN, B.Arch.
 CA/8/19439
 SAJITH & VIVEK ARCHITECTS LLP
 Riviera Apartments
 No.8/18, Crescent Avenue Road,
 Ganesh Nagar, Adyar
 Chennai - 600020. Phone: 24420026

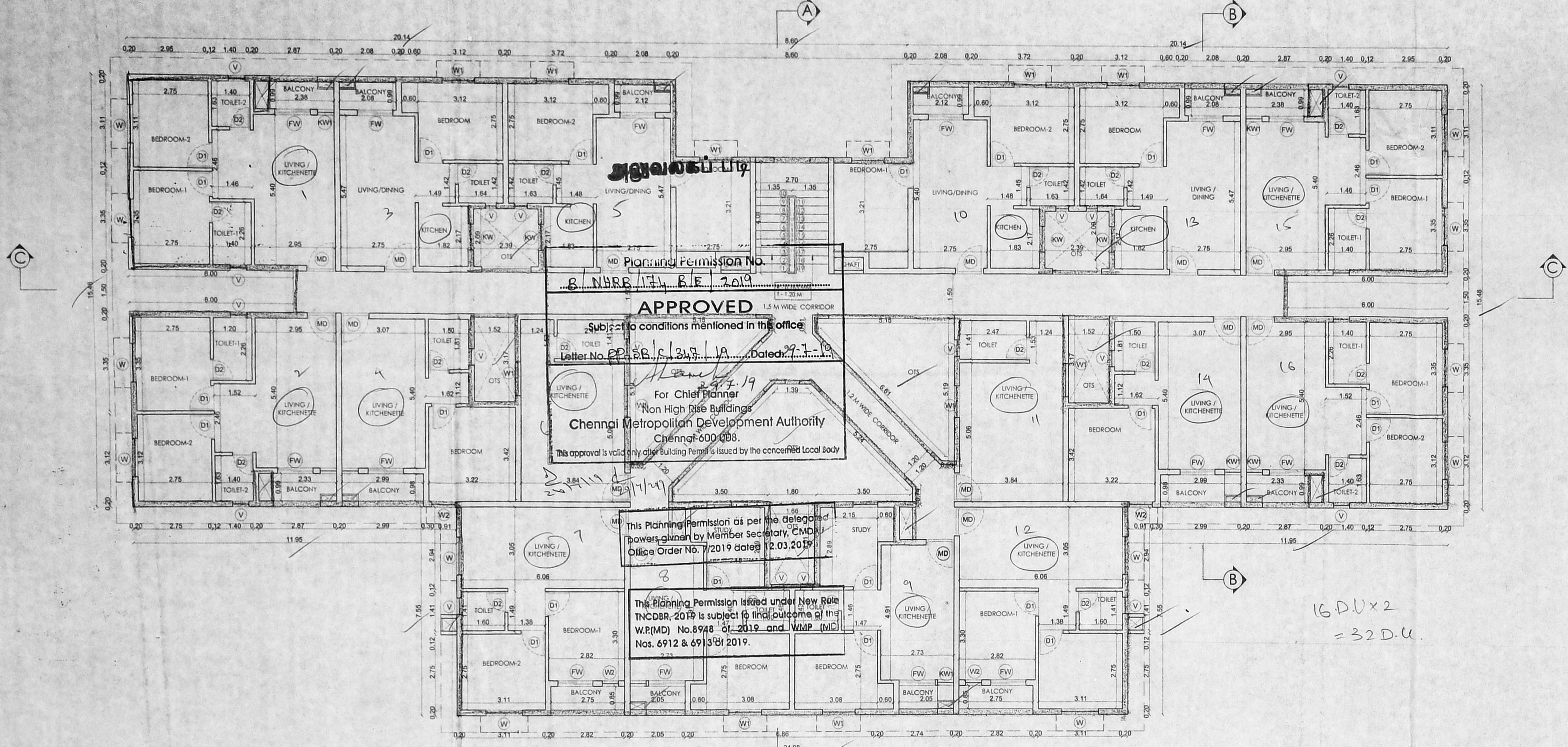
FOUNDATION: IN R.C.C FOOTING
 STRUCTURAL: LIGHT GAUGE STEEL SECTIONS ERECTED ON THE SUBGRADE
 WALLS: LIGHT GAUGE STEEL SECTIONS GRADED WITH FIBRE CEMENT BOARD EQUIVALENT
 JOINERY: IN WELL SEASONED WOOD/ALUMINIUM FRAMES
 PAINTING: ONE COAT OF PRIMER PAINT OVER ONE COAT OF EMERALD PAINT FOR JOINERY
 FLOORING: 2.5mm x 1.15m x 0.19m

சுருந்தாய்வு
 SCHEDULE OF PRODUCTS IN FLATS

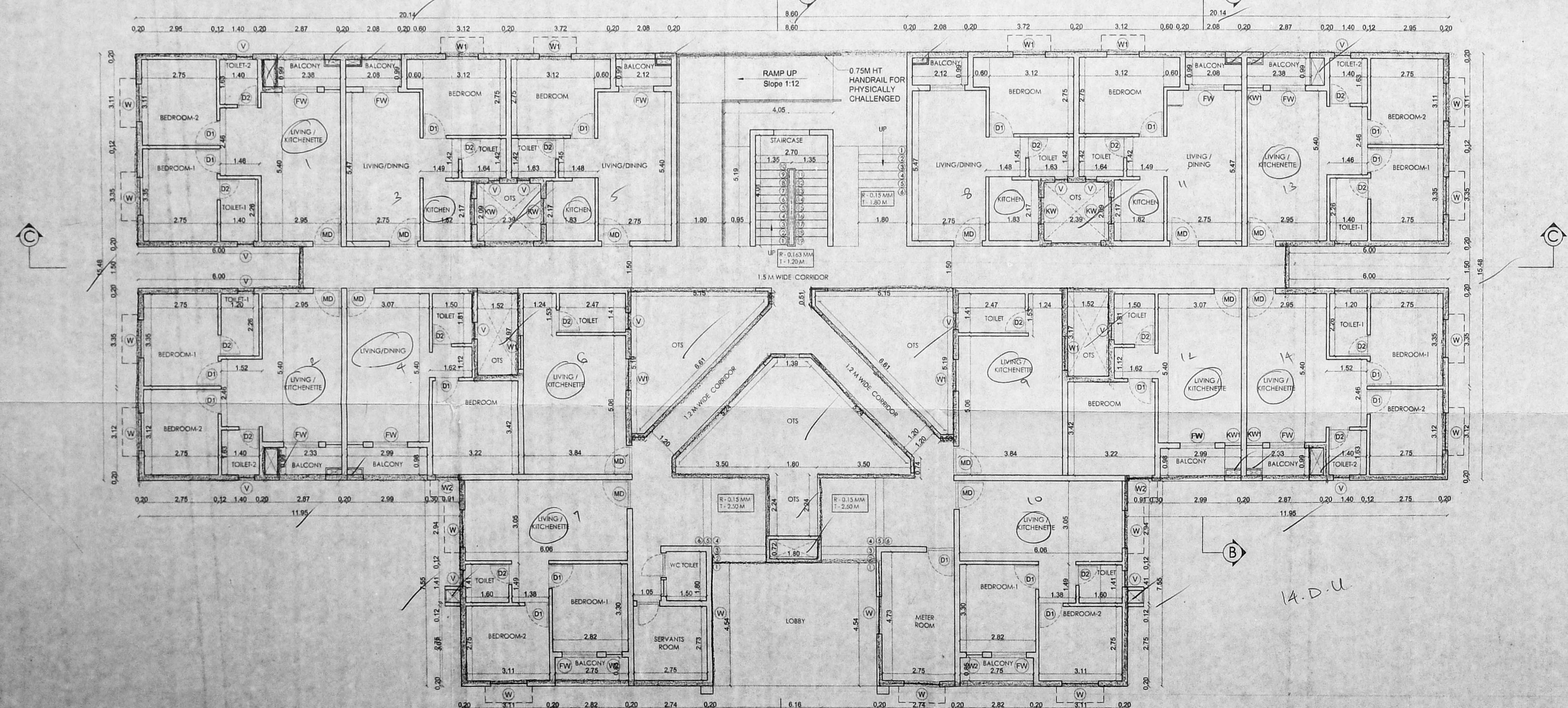
S.NO	ITEM	SIZE	AREA	LOCATION
1	S1	0.30 x 0.25	1.18	SERVICE VERANDAH
2	S2	0.35 x 1.15	0.40	SERVICE VERANDAH
3	S3	0.35 x 1.15	0.40	SERVICE VERANDAH

SCHEDULE OF JOINERY

S.NO	ITEM	SIZE	DESCRIPTION
1	MD	1.00 x 2.10	MAIN DOOR
2	D1	0.90 x 2.10	DOOR
3	D2	0.75 x 2.10	DOOR
4	FW	2.40 x 2.40	FRENCH WINDOW
5	FW1	2.10 x 2.40	FRENCH WINDOW
6	W	1.80 x 1.65	WINDOW
7	W1	1.50 x 1.65	WINDOW
8	W2	0.80 x 1.65	WINDOW
9	SW	1.50 x 1.20	STAIRCASE WINDOW
10	KW	1.37 x 1.30	KITCHEN WINDOW
11	KW1	0.65 x 1.30	KITCHEN WINDOW
12	V	0.60 x 1.00	VENTILATOR



FIRST FLOOR & SECOND FLOOR PLAN



GROUND FLOOR PLAN

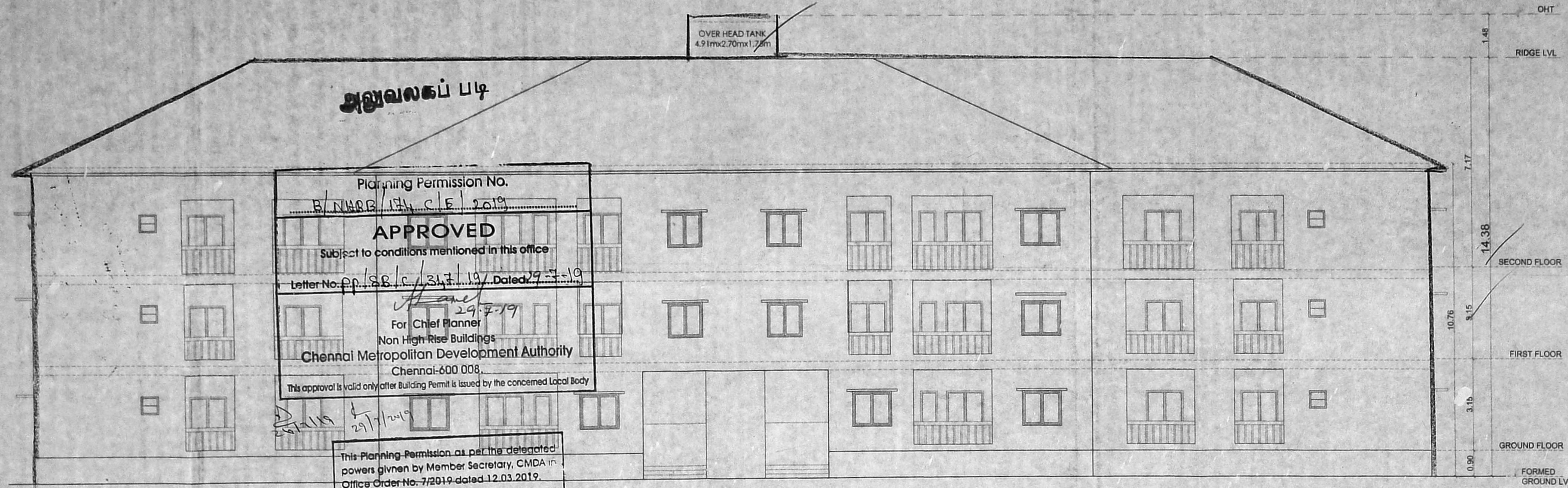
PLAN SHOWING THE PROPOSED CONSTRUCTION OF GROUP DEVELOPMENT OF 2 BLOCKS. BLOCK A HAVING GROUND FLOOR + 2 FLOORS. RESIDENTIAL BUILDING WITH 46 DWELLING UNITS. BLOCK B HAVING GROUND FLOOR + 1ST FLOOR. COMMERCIAL BUILDING (SHOP) AT PLOT NO.7, 12M WIDE ROAD, KUTHAMBAKKAM, CHENNAI, COMPRISED IN S.NO 803/1P2 PART, 1Q PART, 1R PART OF KUTHAMBAKKAM VILLAGE WITHIN THE LIMIT OF POONAMALLEE PANCHAYAT UNION LIMIT.

APPLICANT:
 For SHANBAGAM ESTATE PVT. LTD
 Authorised Signatory

ARCHITECT:
 Ar. P.K. VIJAYARAGHAVAN, B.Arch.
 CA9619438
 SAITH & VIVEK
 ARCHITECTS LLP
 Riviera Apartments
 No.8/16, Crescent Avenue Road,
 Gandhi Nagar, Adyar,
 Chennai - 600020. Phone : 24420028

திருத்திய வரைபடம்: 2
 நாள்: 15.07.2019

செ. பெ. வ. கு. (பி) எண்: PP/28/C/247/2019
 ந. எண்: உதவியாளர்
 கூர்ந்தாய்வு
 தி.உ. 24-7-19
 உ.தி.அ. 26-7-19
 தி.தி.அ.

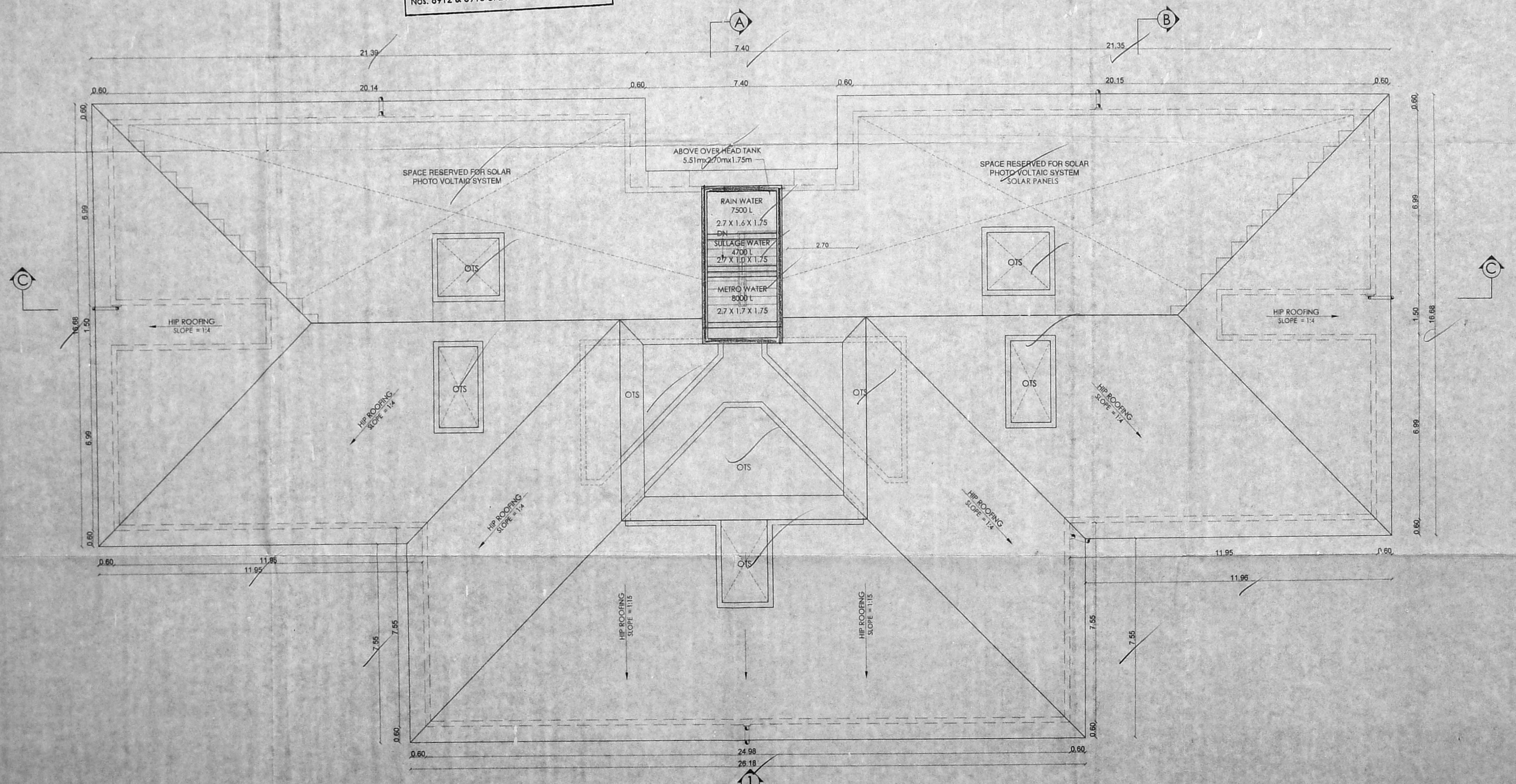


Planning Permission No. B/NHAR/19A/C/E/2019
APPROVED
 Subject to conditions mentioned in this office
 Letter No. PP/28/C/247/19 Dated 29.7.19
 For Chief Planner
 Non High Rise Buildings
 Chennai Metropolitan Development Authority
 Chennai-600 008
 This approval is valid only after Building Permit is issued by the concerned Local Body

This Planning Permission is per the delegated powers given by Member Secretary, CMDA in Office Order No. 7/2019 dated 12.03.2019.

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

ELEVATION



TERRACE FLOOR PLAN

SPECIFICATION

FOUNDATION: IN R.C.C-FOOTING
 STRUCTURAL: LIGHT GAUGE STEEL SECTIONS ERECTED ON THE SUBSTRUCTURE
 WALLS: LIGHT GAUGE STEEL SECTIONS CLADDED WITH FIBRE CEMENT BOARD/ EQUIVALENT
 JOINERY: IN WELL SEASONED WOOD/ ALUMINIUM FRAMES
 PAINTING: TWO COATS OF CEMENT PAINT OVER ONE COAT OF PRIMER TWO COATS OF ENAMEL PAINT FOR JOINERY.
 FLOORING: VITRIFIED / CERAMIC TILES

SCHEDULE OF DUCTS IN FLATS

S.NO	ITEM	SIZE	AREA	LOCATION
1	S1	0.30 x 0.25	0.08	SERVICE VERANDA
2	S2	0.50 x 0.37	0.19	SERVICE VERANDA
3	S3	0.35 x 1.15	0.40	SERVICE VERANDA

SCHEDULE OF JOINERY

S.NO	ITEM	SIZE	DESCRIPTION
1	MD	1.00 x 2.10	MAIN DOOR
2	D1	0.90 x 2.10	DOOR
3	D2	0.75 x 2.10	DOOR
4	FW	2.40 x 2.40	FRENCH WINDOW
5	FW1	2.10 x 2.40	FRENCH WINDOW
6	W	1.80 x 1.65	WINDOW
7	W1	1.50 x 1.65	WINDOW
8	W2	0.60 x 1.65	WINDOW
9	SW	1.50 x 1.20	STAIRCASE WINDOW
10	KW	1.37 x 1.30	KITCHEN WINDOW
11	KW1	0.65 x 1.30	KITCHEN WINDOW
12	V	0.60 x 1.00	VENTILATOR

PLAN SHOWING THE PROPOSED CONSTRUCTION OF GROUP DEVELOPMENT OF 2 BLOCKS. BLOCK A HAVING GROUND FLOOR + 2 FLOORS, RESIDENTIAL BUILDING WITH 46 DWELLING UNITS, BLOCK B HAVING GROUND FLOOR + 1ST FLOOR, COMMERCIAL BUILDING (SHOP) AT PLOT NO.7, 12M WIDE ROAD, KUTHAMBAKKAM, CHENNAI, COMPRISED IN S.NO 803/1P2 PART, 1Q PART, 1R PART OF KUTHAMBAKKAM VILLAGE WITHIN THE LIMIT OF POONAMALLEE PANCHAYAT UNION LIMIT.

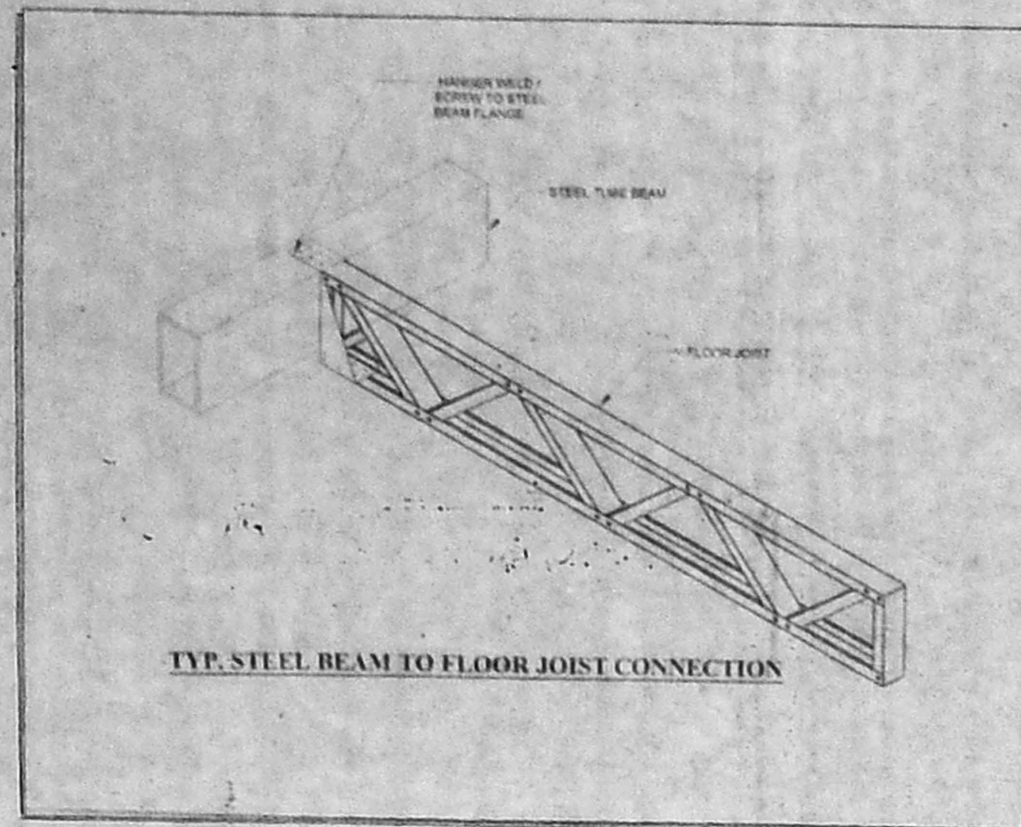
APPLICANT:

POONAMALLEE ESTATE PVT LTD
 Authorised Signatory

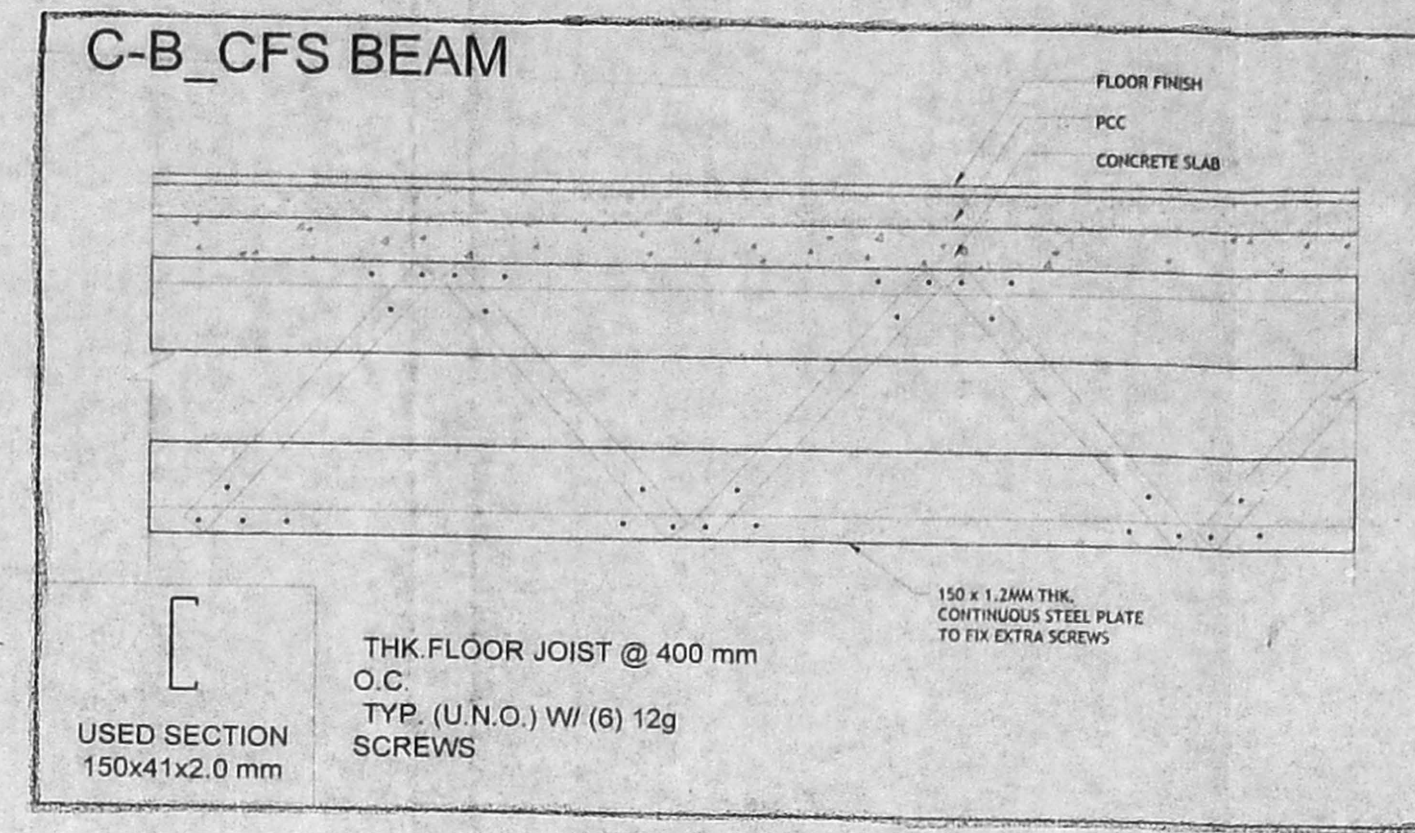
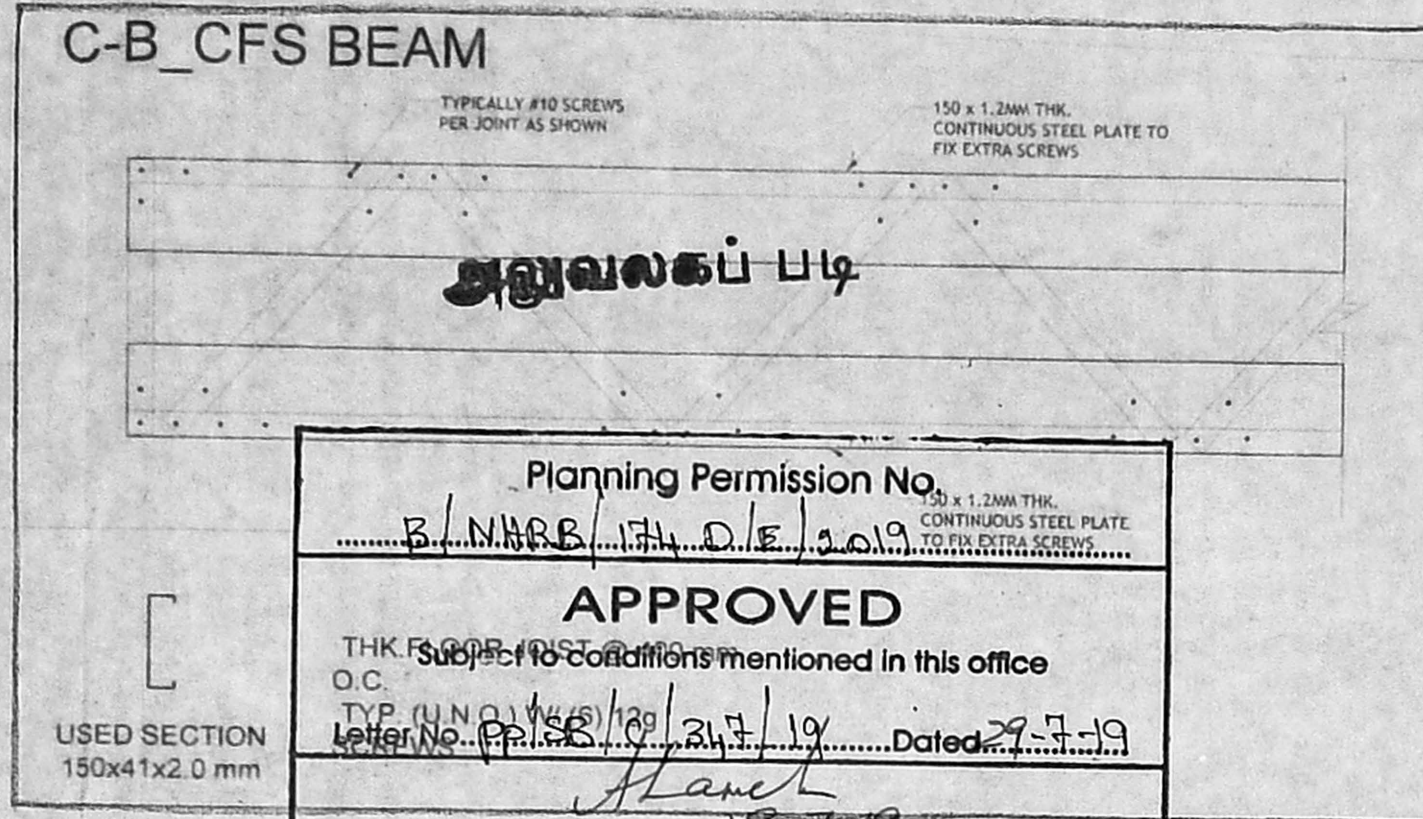
ARCHITECT:

Ar. P.K. VIJAYARAGHAVAN, B.Arch.
 CA/96/19439
 SAJITH & VIVEK ARCHITECTS LLP
 Riviera Apartments
 No.8/16, Crescent Avenue Road,
 Gandhi Nagar, Adyar,
 Chennai - 600030. Phone : 24420026

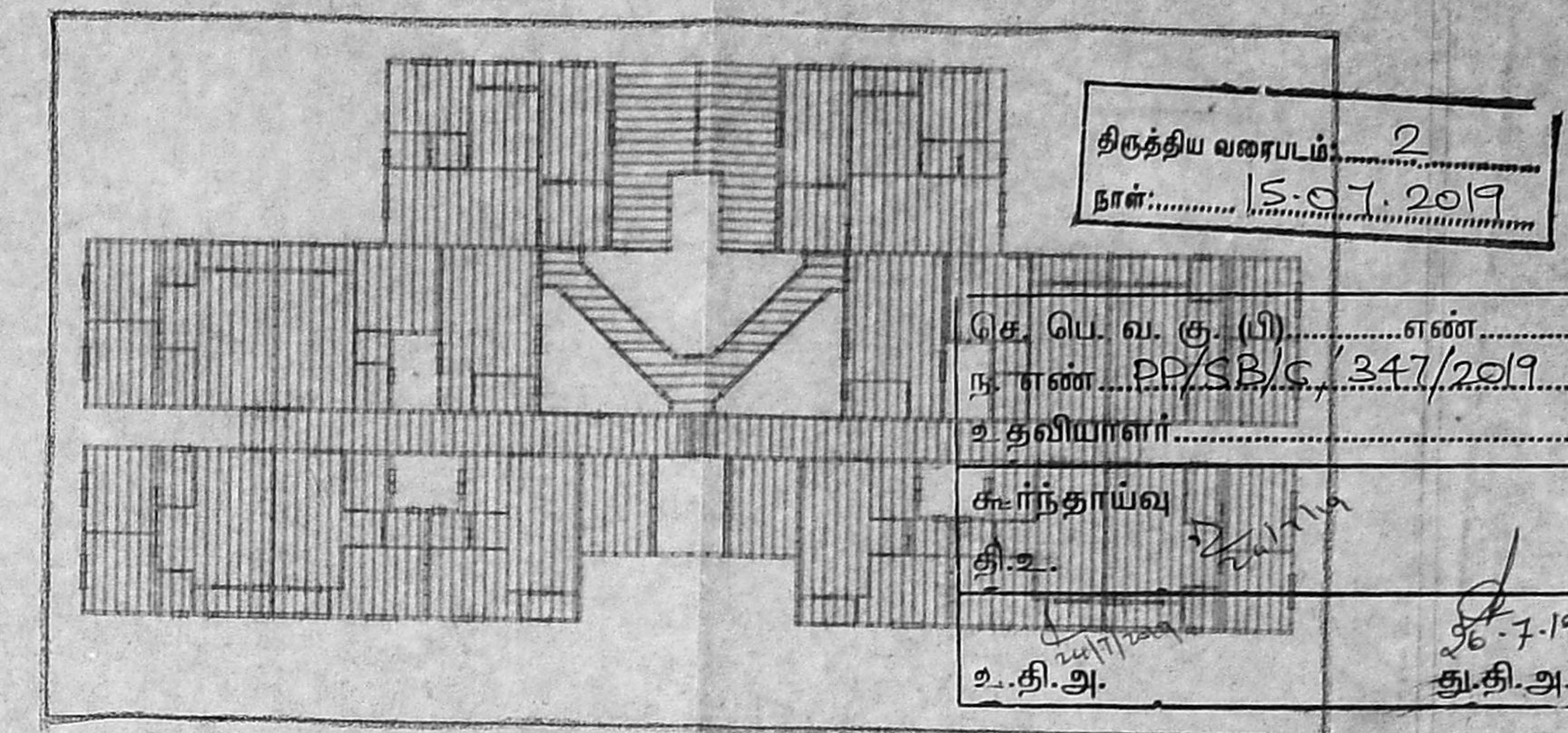
TITLE: TERRACE FLOOR PLAN & ELEVATION



DETAIL B-VIEW



DETAIL A

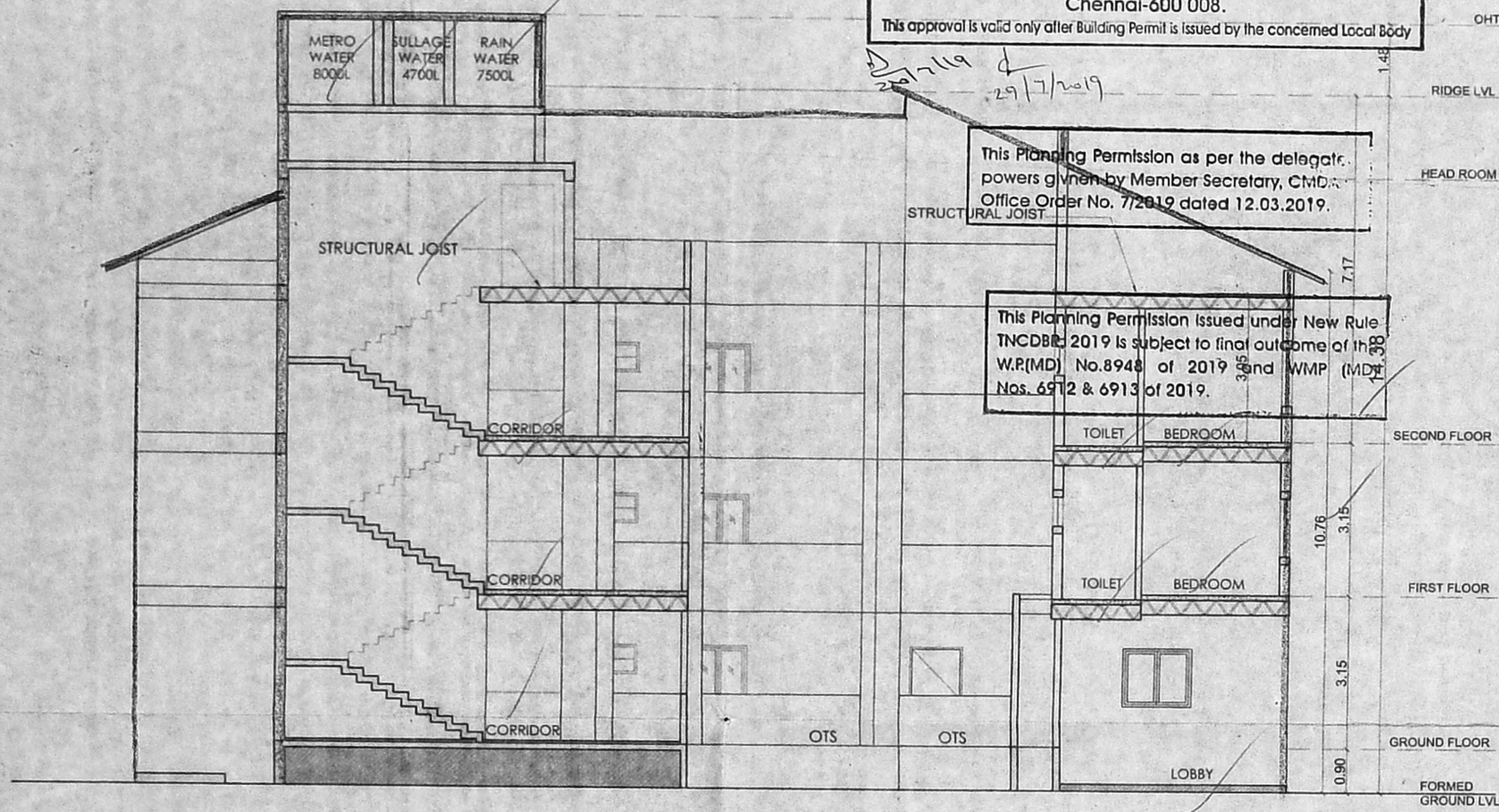


STRUCTURAL JOIST @ SECOND ROOF LEVEL

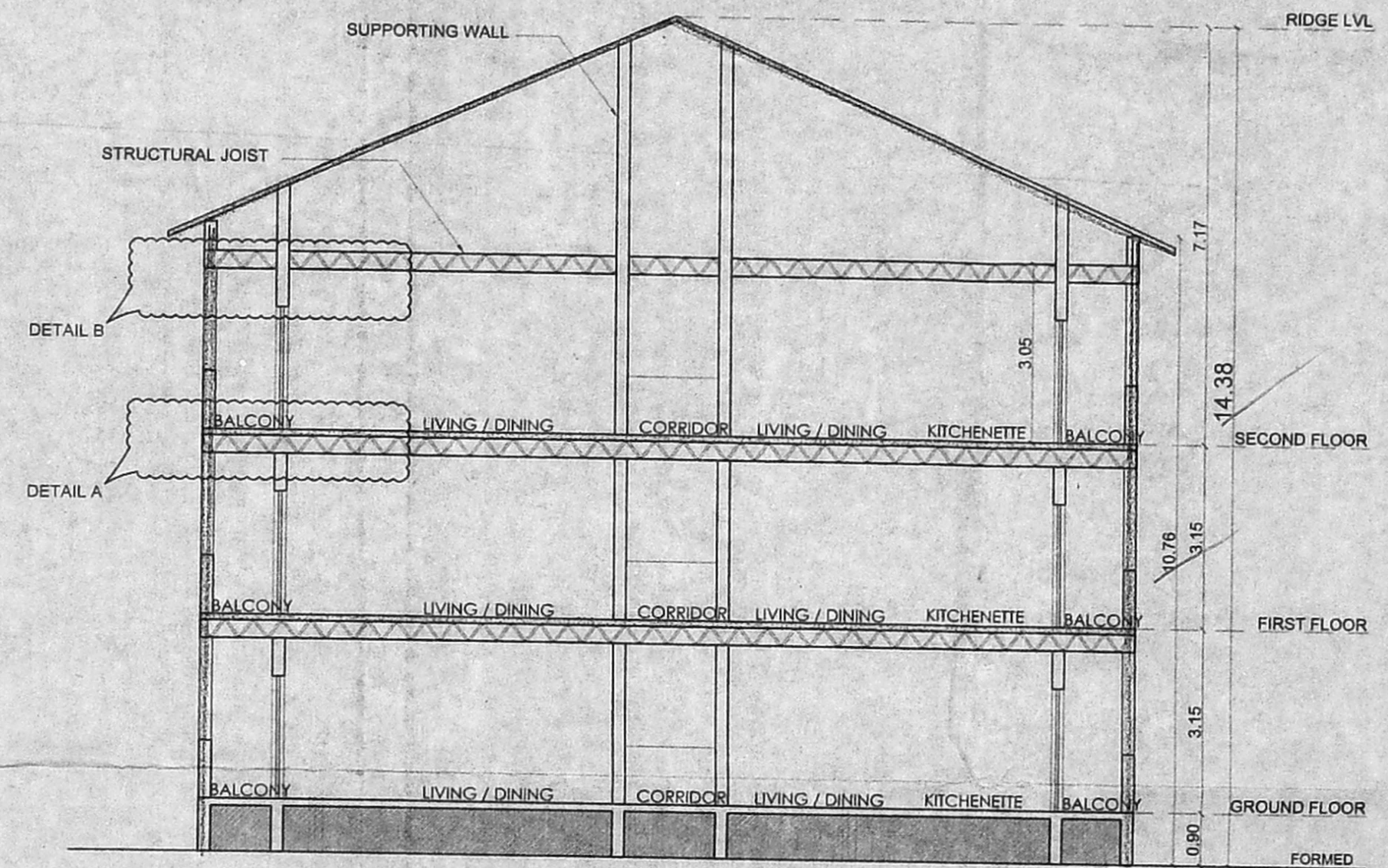
Planning Permission No. B/NR/17.01.2019
APPROVED
 THK FLOOR JOIST @ 400 mm
 O.C.
 TYP. (U.N.O.) W/ (6) 12g SCREWS
 Letter No. CP/CS/129/29.7.19 Dated: 29.7.19
 For Chief Planner
 Non High Rise Buildings
 Chennai Metropolitan Development Authority
 Chennai-600 008.
 This approval is valid only after Building Permit is issued by the concerned Local Body

This Planning Permission as per the delegate powers given by Member Secretary, CMD, Office Order No. 7/2019 dated 12.03.2019.

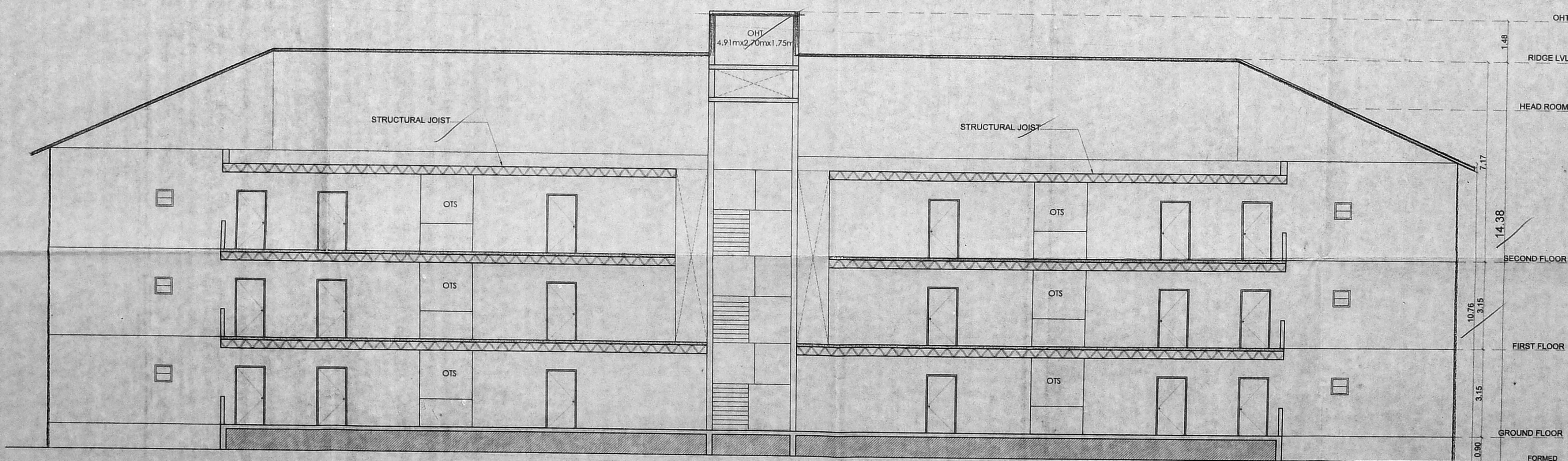
This Planning Permission issued under New Rule TNCD 2019 is subject to final outcome of the W.P.(MD) No.8948 of 2019 and WMP (MD) Nos. 6572 & 6913 of 2019.



SECTION AA



SECTION BB



SECTION CC

SPECIFICATION
 FOUNDATION: IN R.C.C FOOTING
 STRUCTURAL: LIGHT GAUGE STEEL SECTIONS ERECTED ON THE SUBSTRUCTURE
 WALLS: LIGHT GAUGE STEEL SECTIONS CLADDED WITH FIBRE CEMENT BOARD/ EQUIVALENT.
 JOINERY: IN WELL SEASONED WOOD/ ALUMINIUM FRAMES
 PAINTING: TWO COATS OF CEMENT PAINT OVER ONE COAT OF PRIMER TWO COATS OF ENAMEL PAINT FOR JOINERY.
 FLOORING: VITRIFIED / CERAMIC TILES

SCHEDULE OF DUCTS IN FLATS

S.NO	ITEM	SIZE	AREA	LOCATION
1	S1	0.30 x 0.25	0.08	SERVICE VERANDAH
2	S2	0.50 x 0.37	0.19	SERVICE VERANDAH
3	S3	0.35 x 1.15	0.40	SERVICE VERANDAH

SCHEDULE OF JOINERY

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5	FW1	2.10 x 2.40	FRENCH WINDOW
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7	W1	1.50 x 1.65	WINDOW
8	W2	0.60 x 1.65	WINDOW
9	SW	1.50 x 1.20	STAIRCASE WINDOW
10	KW	1.37 x 1.30	KITCHEN WINDOW
11	KW1	0.65 x 1.30	KITCHEN WINDOW
12	V	0.80 x 1.00	VENTILATOR

PLAN SHOWING THE PROPOSED CONSTRUCTION OF GROUP DEVELOPMENT OF 2 BLOCKS, BLOCK A HAVING GROUND FLOOR + 2 FLOORS, RESIDENTIAL BUILDING WITH 46 DWELLING UNITS, BLOCK B HAVING GROUND FLOOR + 1ST FLOOR, COMMERCIAL BUILDING (SHOP) AT PLOT NO.7, 12M WIDE ROAD, KUTHAMBAKKAM, CHENNAI, COMPRISED IN S.NO 803/1P2 PART, 1Q PART, 1R PART OF KUTHAMBAKKAM VILLAGE WITHIN THE LIMIT OF POONAMALLEE PANCHAYAT UNION LIMIT.

APPLICANT:
 SHANBAGAM ESTATE PVT LTD
 Authorised Signatory

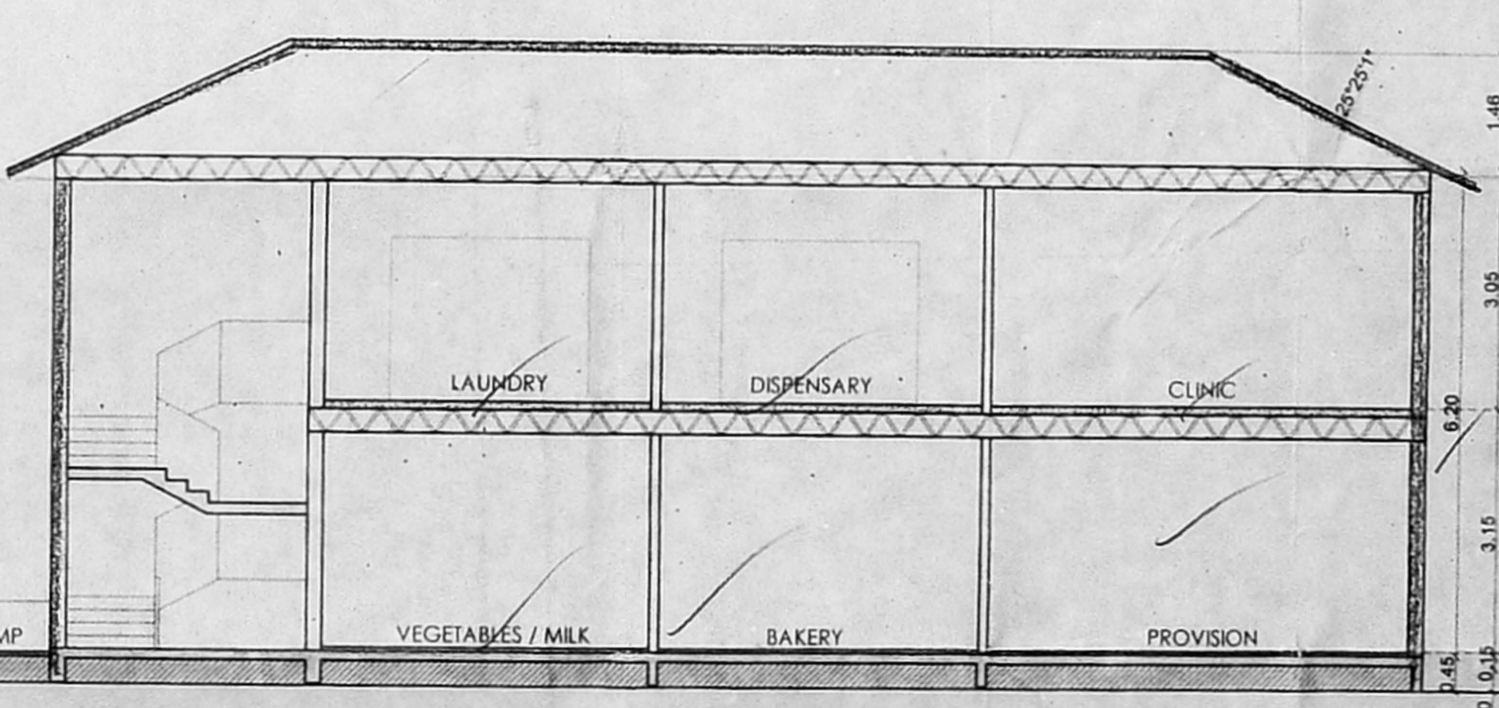
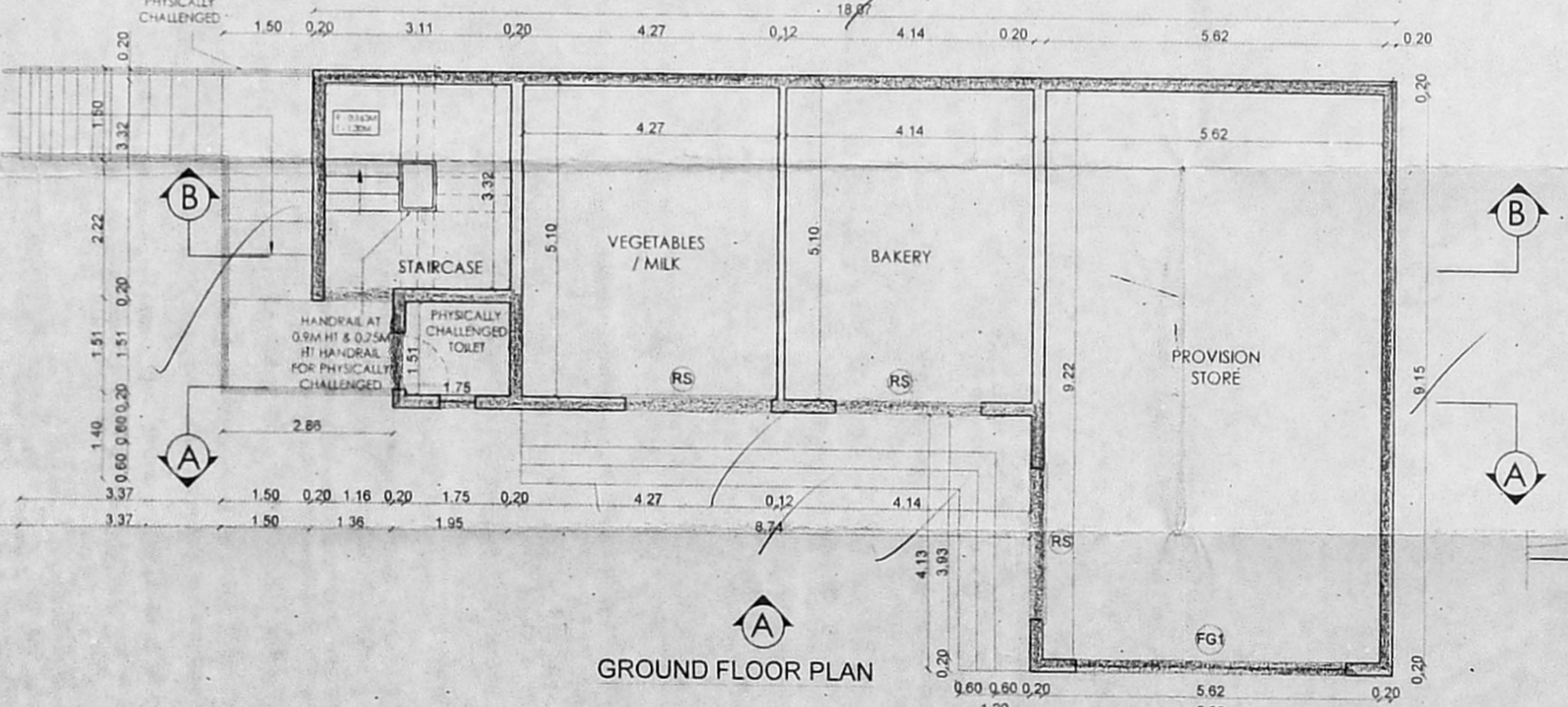
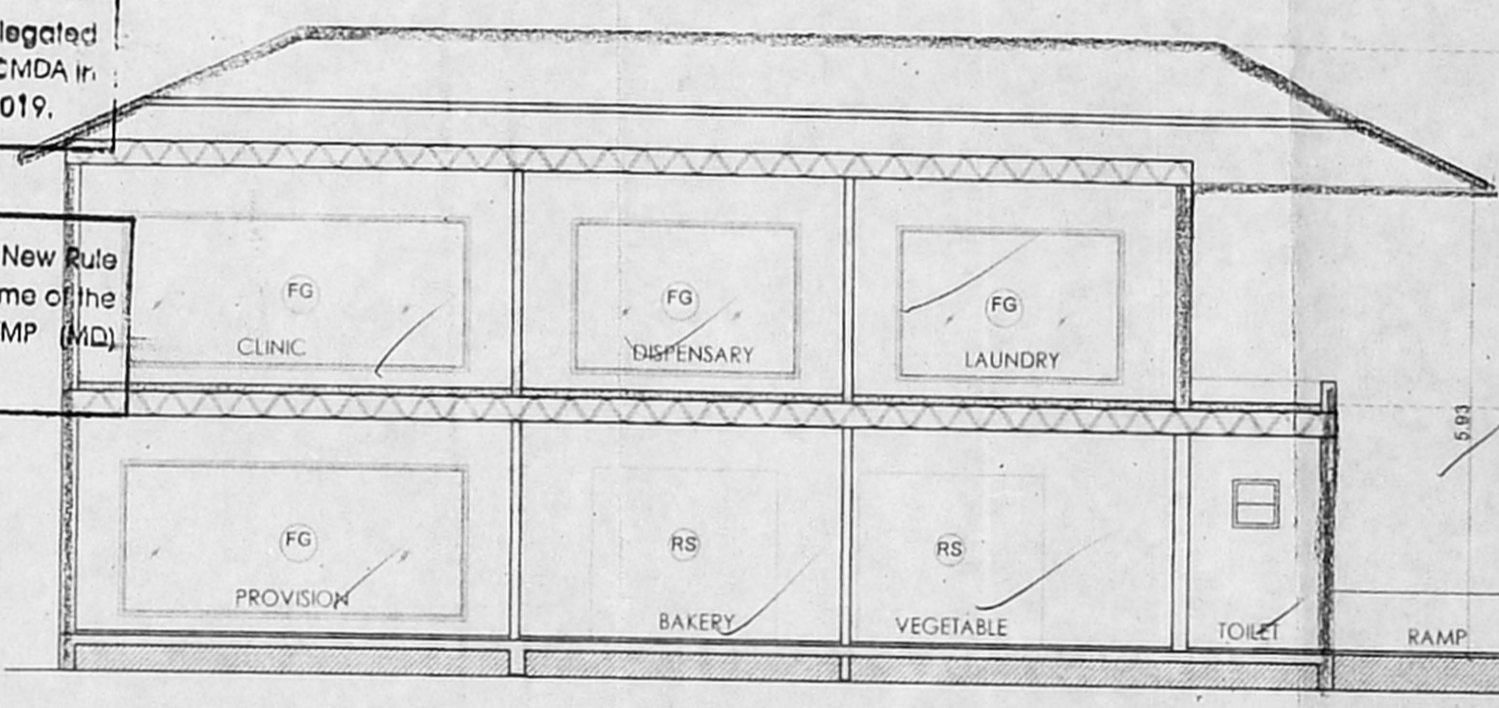
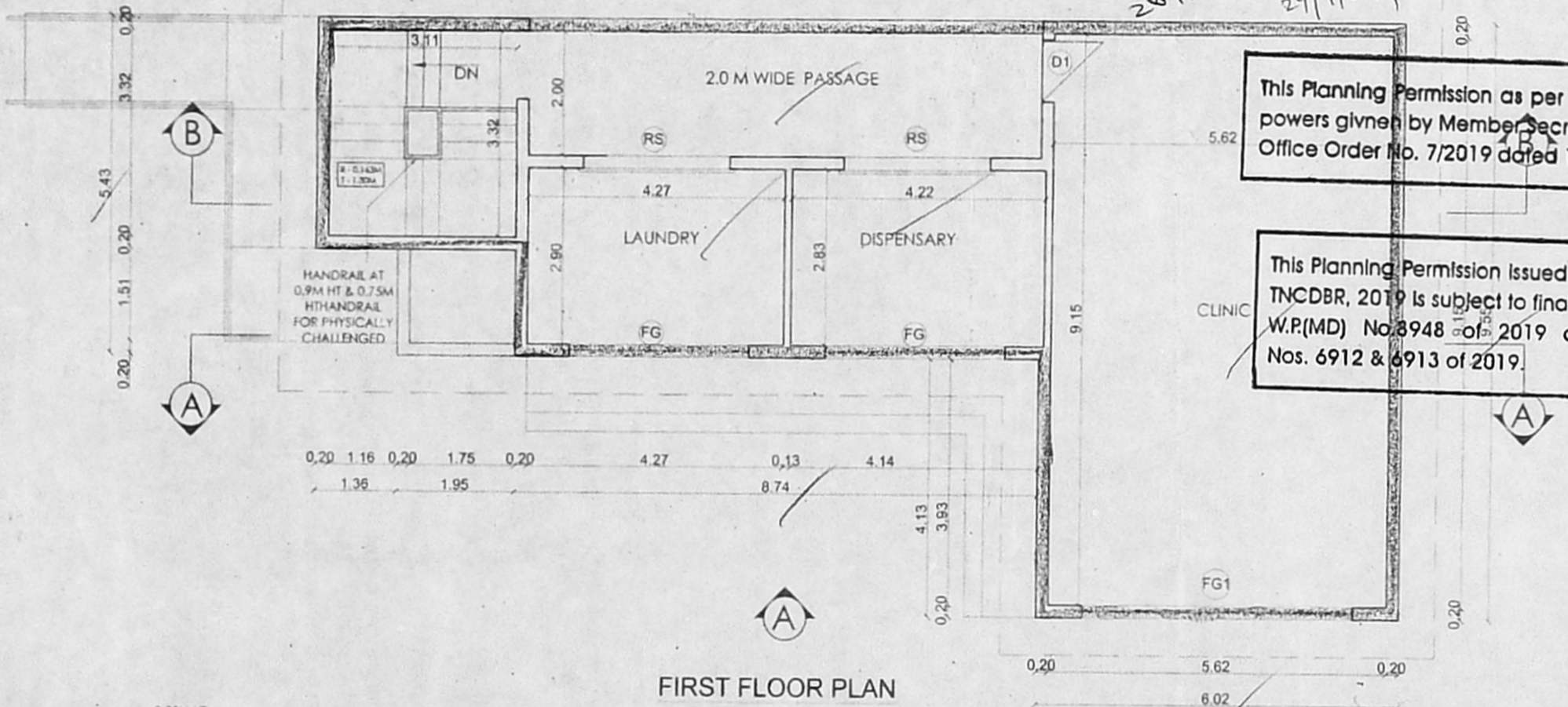
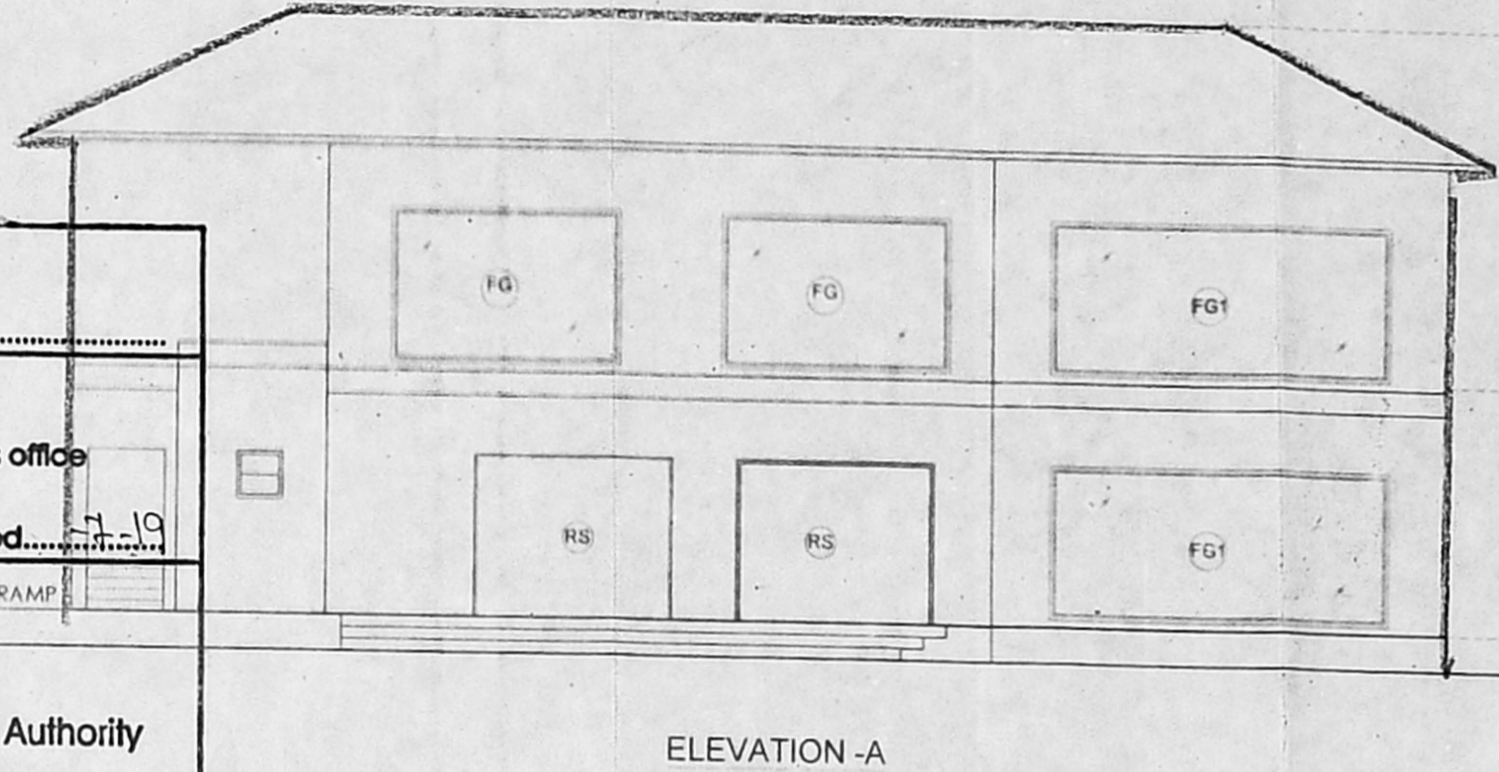
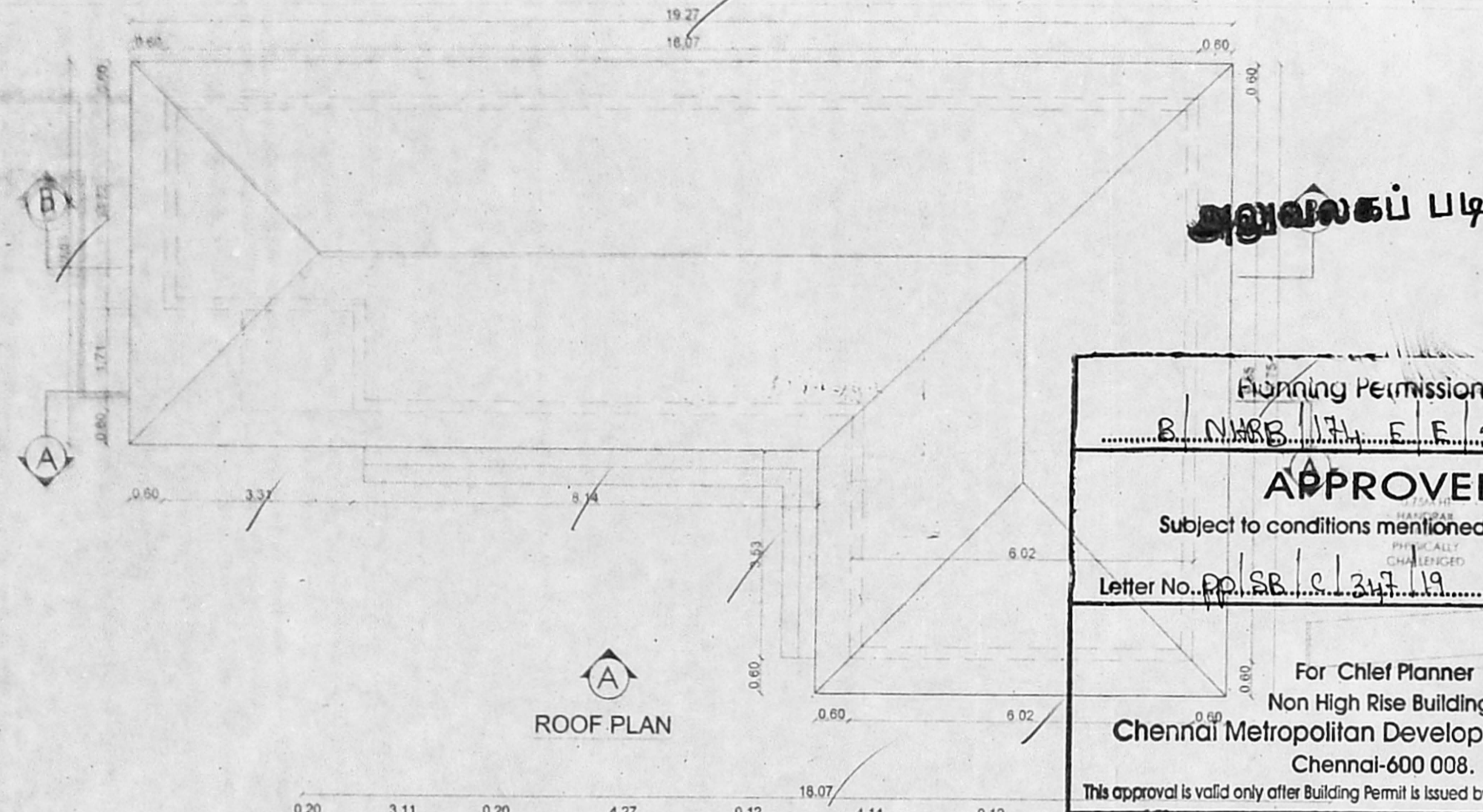
ARCHITECT:
 Ar. P.K. VIJAYARAGHAVAN, B.Arch.
 CA/66/19439
 SAJITH & VIVEK
 ARCHITECTS LLP
 Riviera Apartments
 No.8/16, Crescent Avenue Road,
 Gandhi Nagar, Adyar,
 Chennai - 600020. Phone : 24420026

FOUNDATION: IN R.C.C FOOTING
 STRUCTURE: LIGHT GAUGE STEEL SECTIONS ERECTED ON THE SUBSTRUCTURE
 WALLS: LIGHT GAUGE STEEL SECTIONS CLADDED WITH FIBRE CEMENT BOARD/ EQUIVALENT
 JOINERY: IN WELL SEASONED WOOD/ ALUMINIUM FRAMES

ONE COAT OF PRIMER TWO COATS
 திருத்திய வரைபடம்
 நாள்: 15-07-19

செ. பெ. வ. கு. (பி).....
 நாள்: 26/3/2019
 உதவியாளர்.....
 கூர்ந்தாய்வு
 தி.உ. 24/7/19
 26-7-19
 கு.தி.அ.

Planning Permission No.
 B/NMRB/17/H.F.F./2019
APPROVED
 Subject to conditions mentioned in this office
 Letter No. PP/SB/C/347/19 Dated 27-7-19
 For Chief Planner
 Non High Rise Buildings
 Chennai Metropolitan Development Authority
 Chennai-600 008.
 This approval is valid only after Building Permit is issued by the concerned Local Body



This Planning Permission as per the delegated powers given by Member Secretary, CMDA in Office Order No. 7/2019 dated 12.03.2019.

This Planning Permission Issued under New Rule TNCDPR, 2019 is subject to final outcome of the W.P.(MD) No.3948 of 2019 and WMP (MD) Nos. 6912 & 6913 of 2019.

PLAN SHOWING THE PROPOSED CONSTRUCTION OF GROUP DEVELOPMENT OF 2 BLOCKS, BLOCK A HAVING GROUND FLOOR + 2 FLOORS, RESIDENTIAL BUILDING WITH 46 DWELLING UNITS, BLOCK B HAVING GROUND FLOOR + 1ST FLOOR, COMMERCIAL BUILDING (SHOP) AT PLOT NO.7, 12M WIDE ROAD, KUTHAMBAKKAM, CHENNAI, COMPRISED IN S.NO 803/1P2 PART, 1Q PART, 1R PART OF KUTHAMBAKKAM VILLAGE WITHIN THE LIMIT OF POONAMALLEE PANCHAYAT UNION LIMIT.

APPLICANT:
 FOR SHANBAGAM ESTATE PVT LTD
 Authorised Signatory
 ARCHITECT:
 Mr. P.K. VIJAYARAGHAVAN, B.Arch.
 CA/96/19439
 SAJITH & VIVEK ARCHITECTS LLP
 Riviera Apartments
 No.8/16, Crescent Avenue Road,
 Gandhi Nagar, Adyar,
 Chennai - 600020. Phone : 24420026

TITLE: COMMERCIAL BLOCK GROUND FLOOR, FIRST FLOOR PLAN ELEVATION AND SECTION
 SCALE 1:100 SHEET NO.- 0505