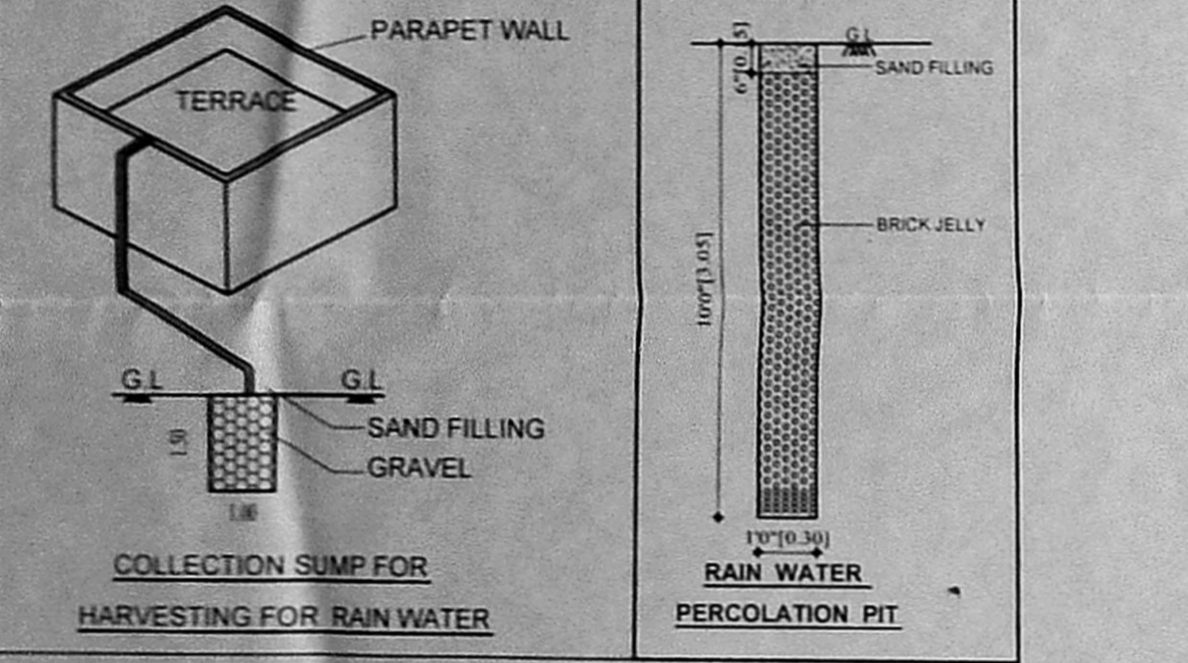
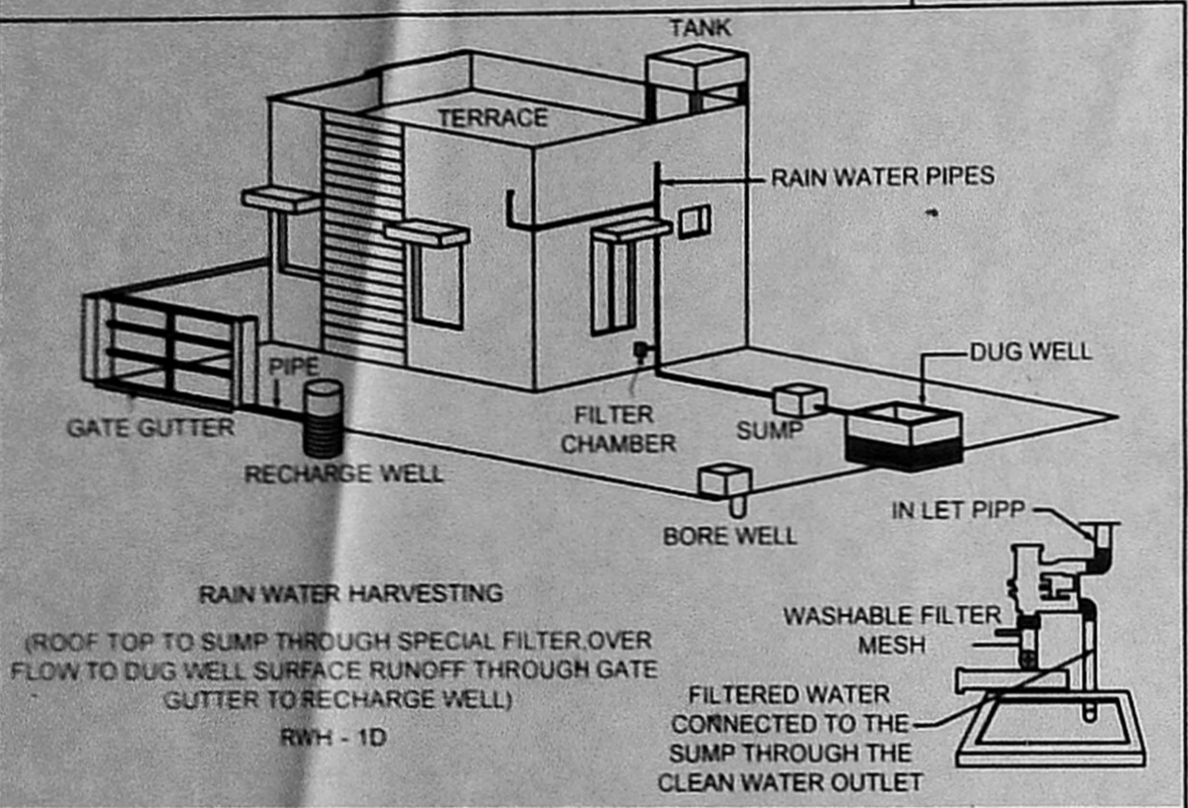
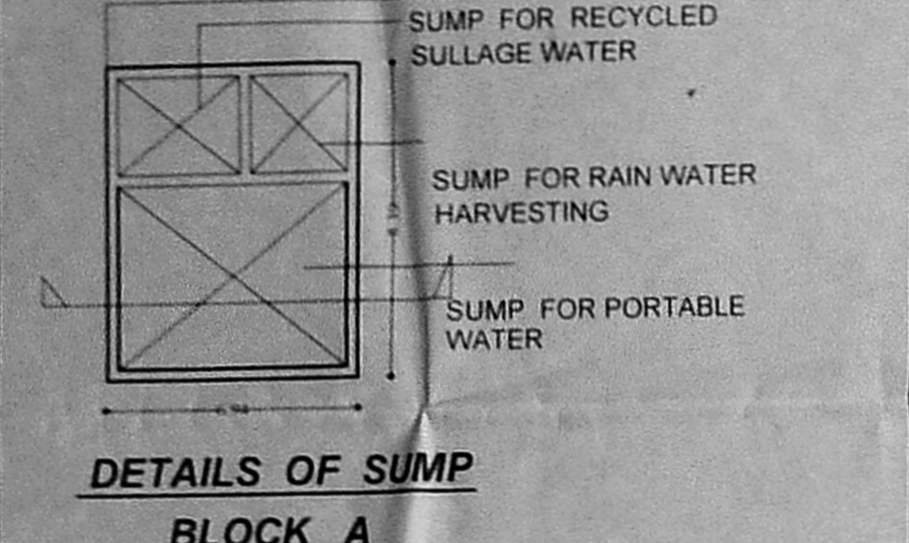
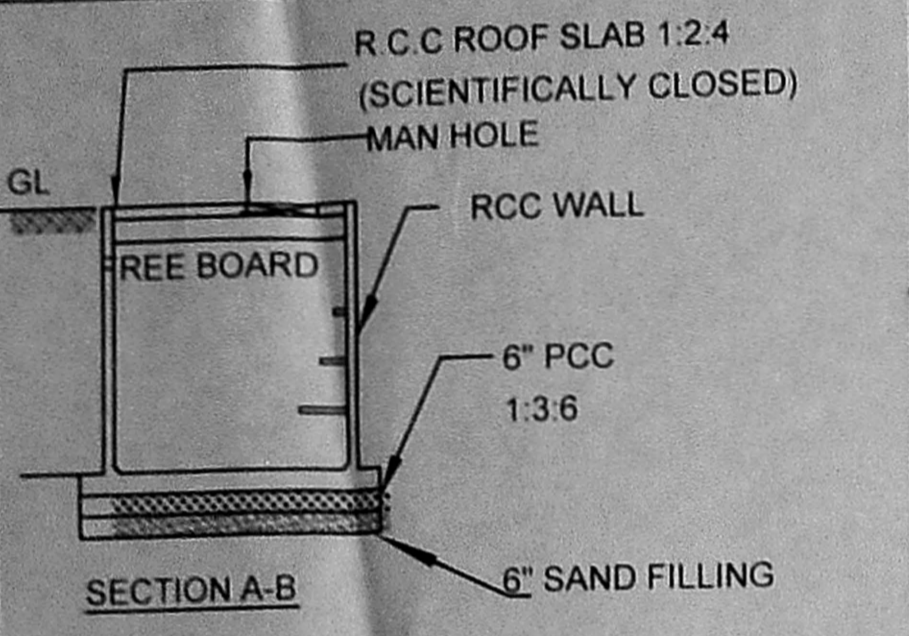
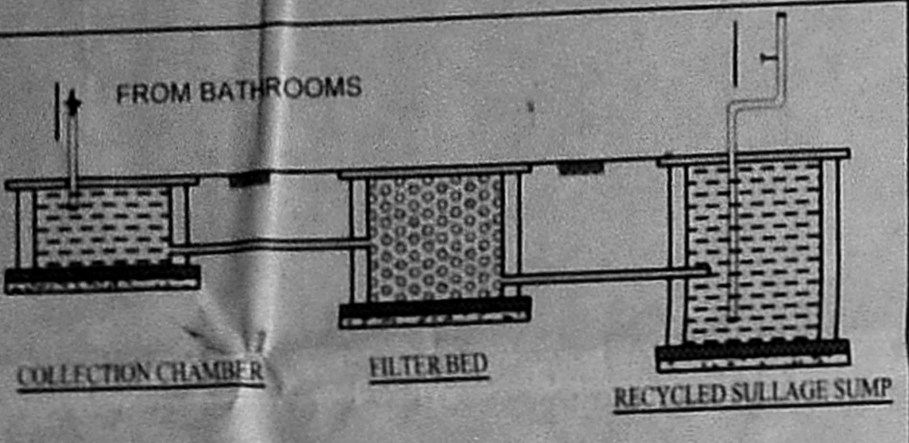
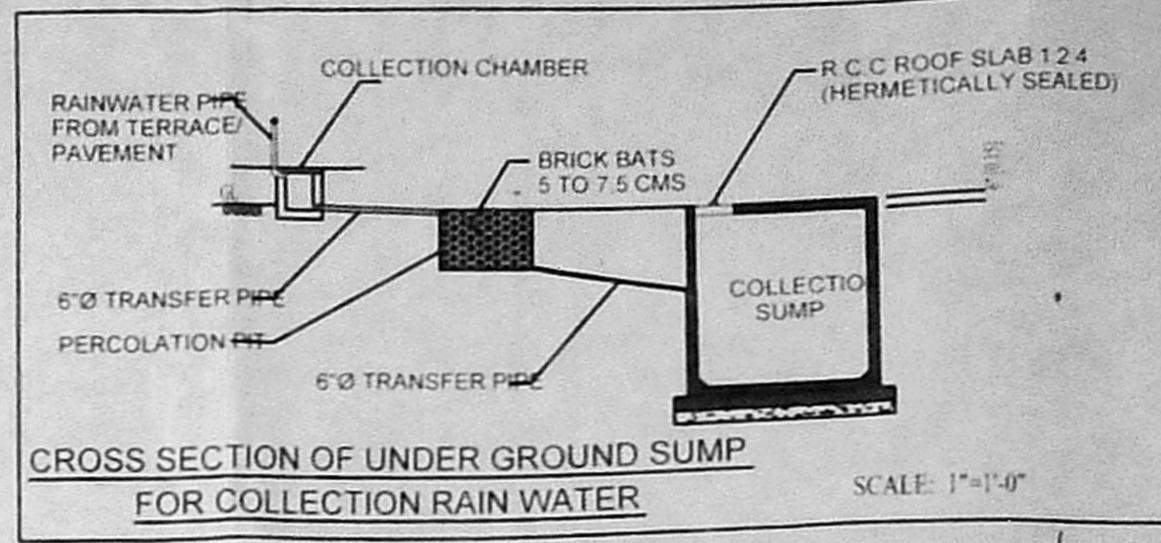
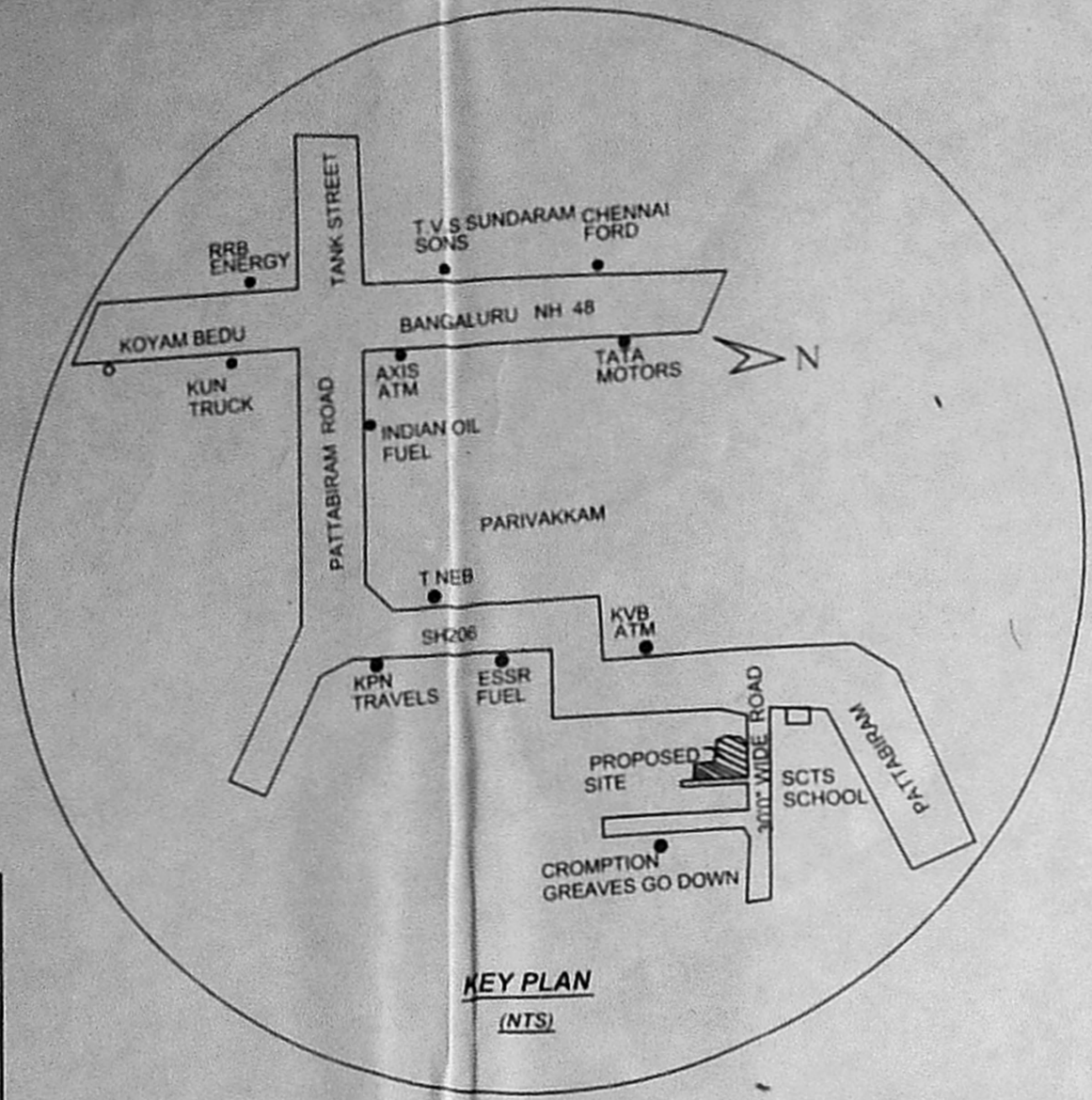


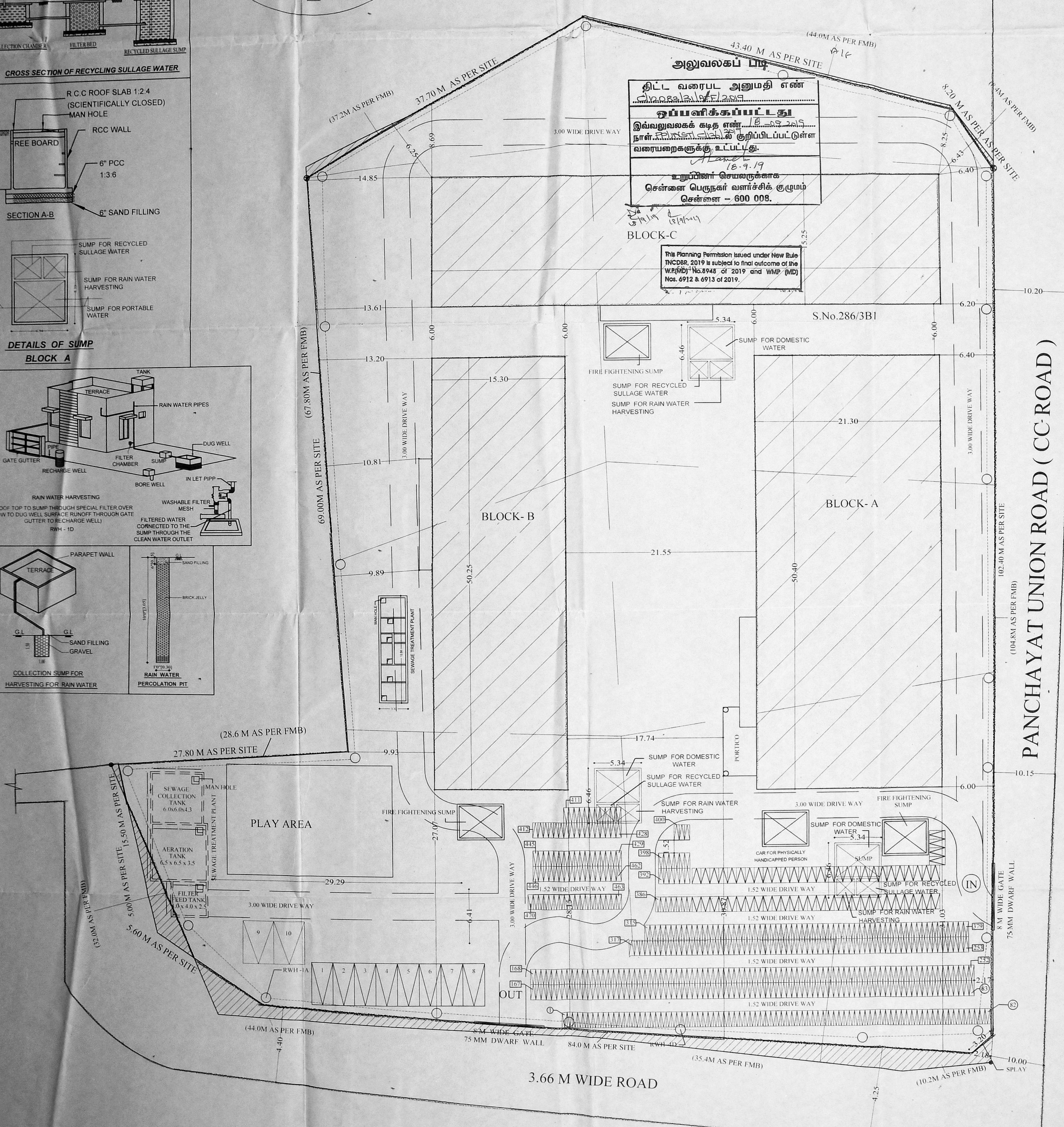
PLAN SHOWING THE PROPOSED CONSTRUCTION OF 1 BLOCK OF GROUND + 3 FLOORS OF HIGHER SECONDARY SCHOOL, 2 BLOCKS OF GROUND + 3 FLOORS HOSTEL BUILDING AT 10M ROAD GAINING ACCESS FROM PONAMALLE PATABHIRAM MAIN ROAD IN SURVEY NUMBER 286/3A,3B,287/1&2 (as per doc) S.NO.286/3A1A, 3A1B, 3B1A, 3B1B, 287/1A1, 1A2, 2A, &2B (as per patta) VAYALANALLUR-B VILLAGE (CHOKANALLUR), POONAMALLE PANCHAYAT UNION, POONAMALLE TALUK, TIRUVALLUR DISTRICT.

அலுவலகப் படி
தேதி: 19/08/2019
சீட்டு: 1/6
செ. எண்: 286/3A1A, 3A1B, 3B1A, 3B1B, 287/1A1, 1A2, 2A, &2B
ச.நலியர்:
சீட்டு: 1/6
சு.தி.அ.



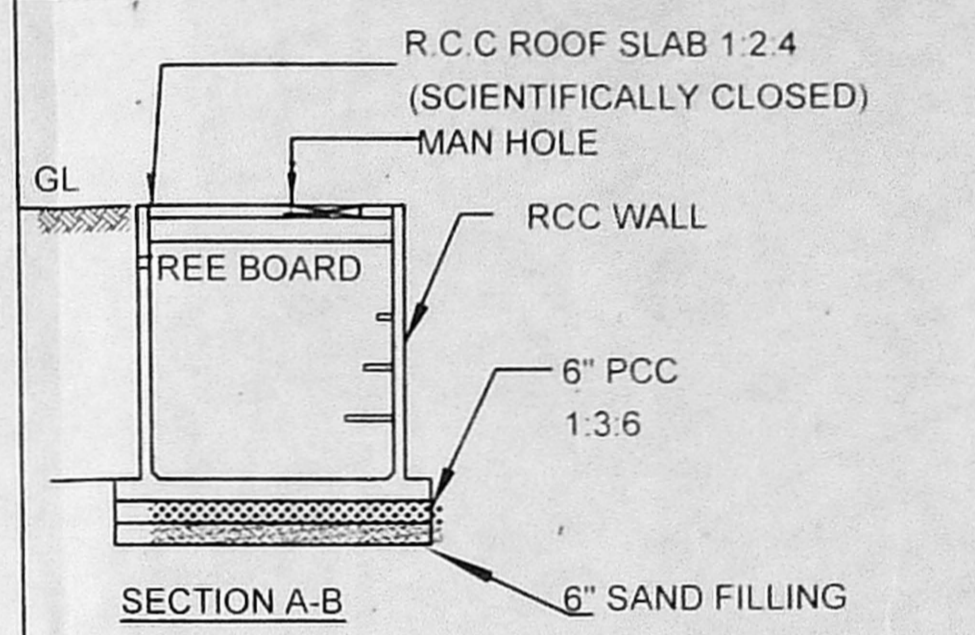
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திட்ட வரைபட அனுமதி எண்: 18.9.19
ஒப்பளிப்பு செய்து
இவ்வலுவலகக் கட்ட எண்ணில் உள்ள
நாள் 18.9.19-ல் குறிப்பிடப்பட்டுள்ள
வரையறைகளுக்கு உட்பட்டது.
உறுப்பினர் செய்வரைக்காக
சென்னை பெருநகர் வளர்ச்சித் துறைமுகம்
சென்னை - 600 008.

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

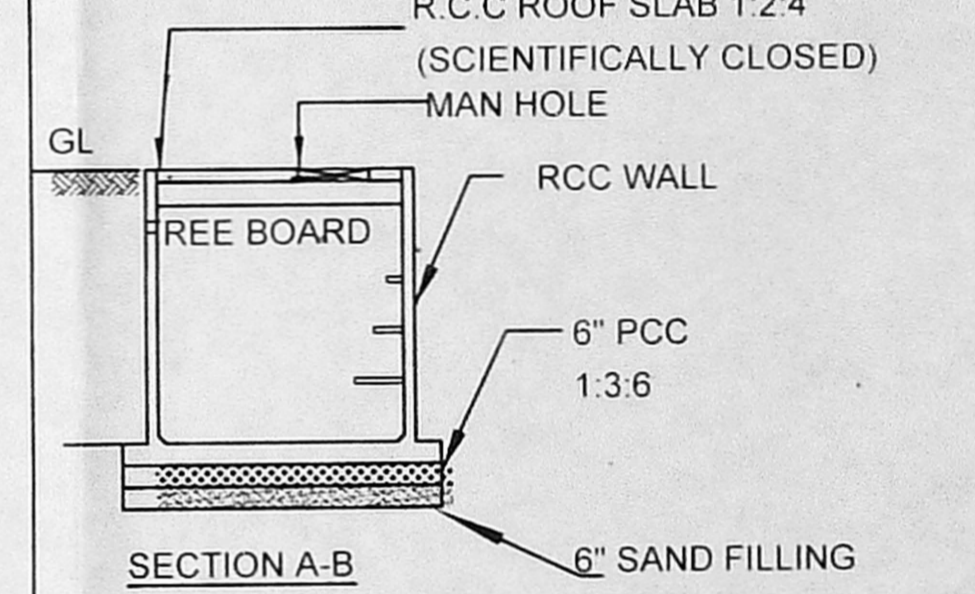


PANCHAYAT UNION ROAD (CC ROAD)

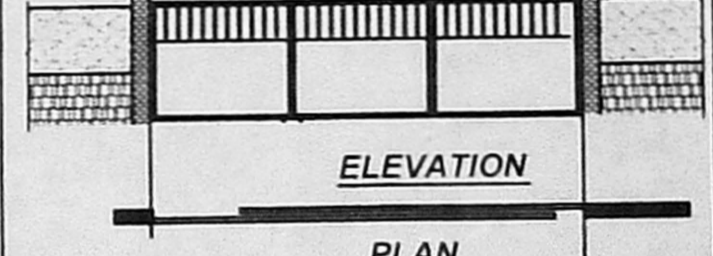
POONAMALLE PATTABHIRAM MAIN ROAD



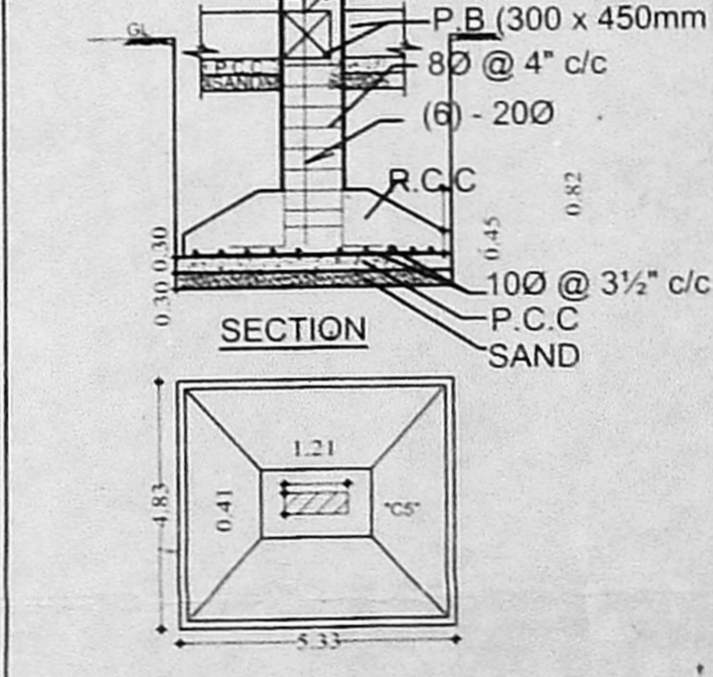
DETAILS OF FIRE FIGHTING SUMP BLOCK C



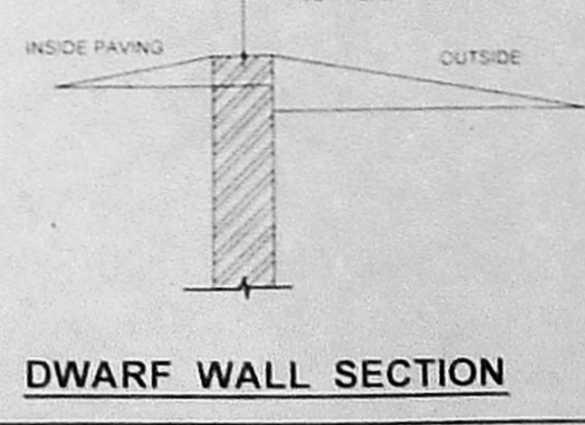
DETAILS OF FIRE FIGHTING SUMP BLOCK A



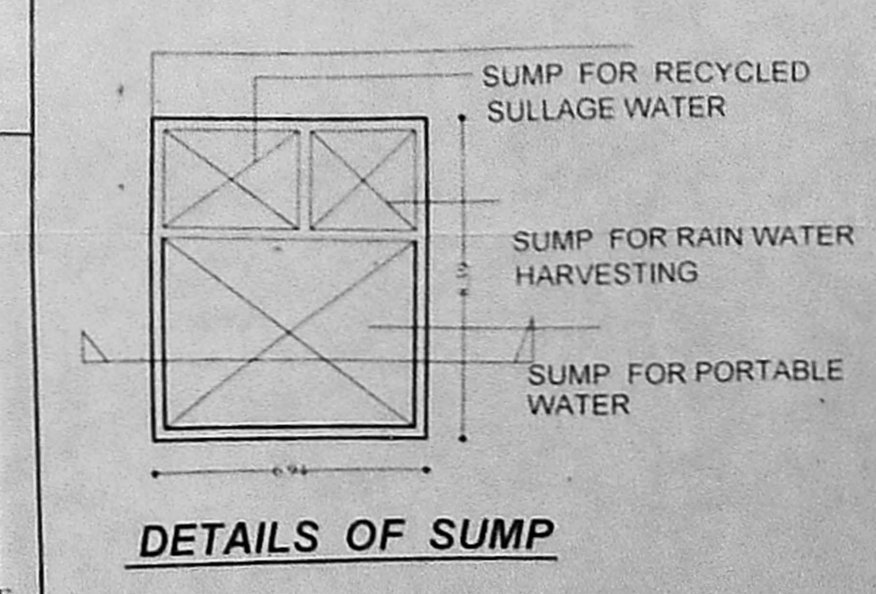
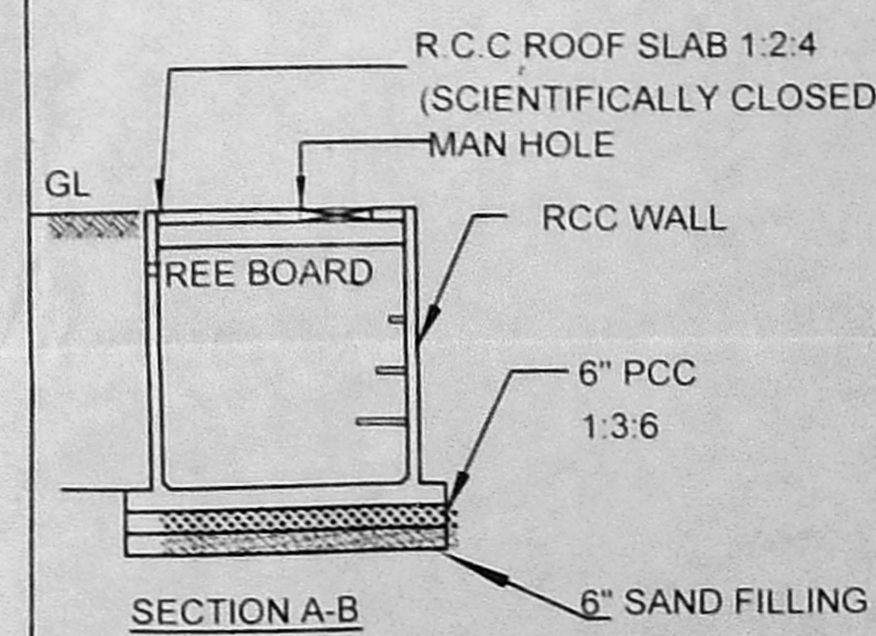
**ELEVATION
PLAN
COMPOUND WALL DETAIL**



**SECTION
FOUNDATION DETAIL
(SCALE 1" = 4'-0")**



DWARF WALL SECTION



DETAILS OF SUMP BLOCK B

AREA STATEMENT	
PILOT EXTENT AS PER PATTA & FMB	9588.00 SQ.MT
PILOT EXTENT DOCUMENT	9590.97 SQ.MT
LEAST EXTENT	9588.00 SQ.MT

COLOR INDEX	
ROAD	
PROPOSED SITE	

FLOOR NAME	BLOCK-A (SCHOOL)	BLOCK-B (HOSTEL)	BLOCK-C (HOSTEL)	TOTAL (BLOCK A + B + C)
GROUND FLOOR	1104.01 Sq.Mtr	768.83 Sq.Mtr	890.58 Sq.Mtr	4324.57 Sq.Mtr
FIRST FLOOR	1073.52 Sq.Mtr	768.83 Sq.Mtr	890.58 Sq.Mtr	3075.32 Sq.Mtr
SECOND FLOOR	1073.52 Sq.Mtr	768.83 Sq.Mtr	890.58 Sq.Mtr	3562.32 Sq.Mtr
THIRD FLOOR	1073.52 Sq.Mtr	768.83 Sq.Mtr	890.58 Sq.Mtr	3562.32 Sq.Mtr
TOTAL	4324.57 Sq.Mtr	3075.32 Sq.Mtr	3562.32 Sq.Mtr	10962.21 Sq.Mtr
TOTAL F.S.I AREA	10962.21 SQ.M			
F.S.I	10962.21 / 9588.00 = 1.143			

PARKING STATEMENT	
REQUIRED CAR PARKING	= 08 Nos
PROVIDED CAR PARKING	= 10 Nos
REQUIRED TW PARKING	= 58Nos
PROVIDED TW PARKING	= 60 Nos
REQUIRED CYCLE PARKING	= 464 Nos
PROVIDED CYCLE PARKING	= 470 Nos



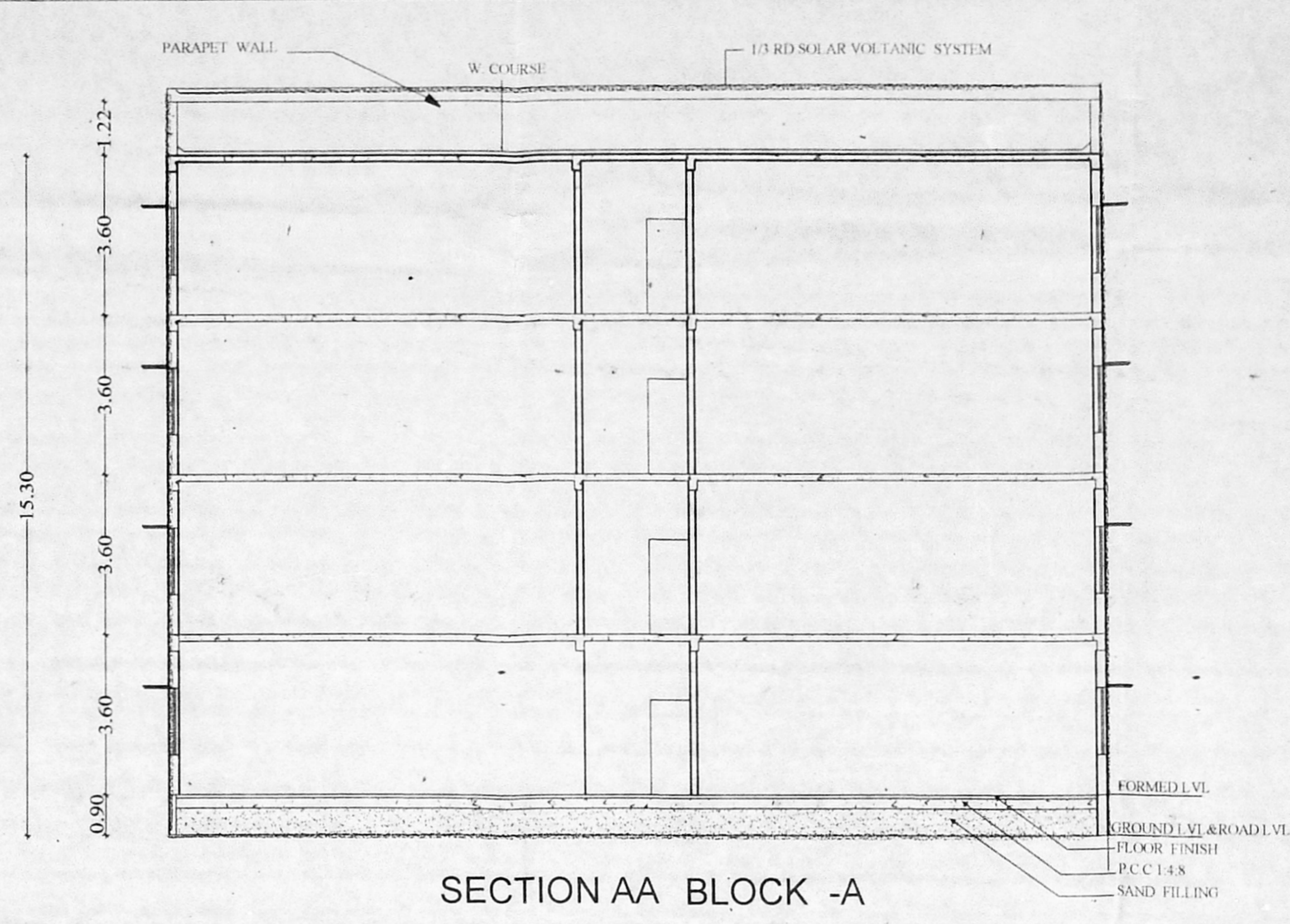
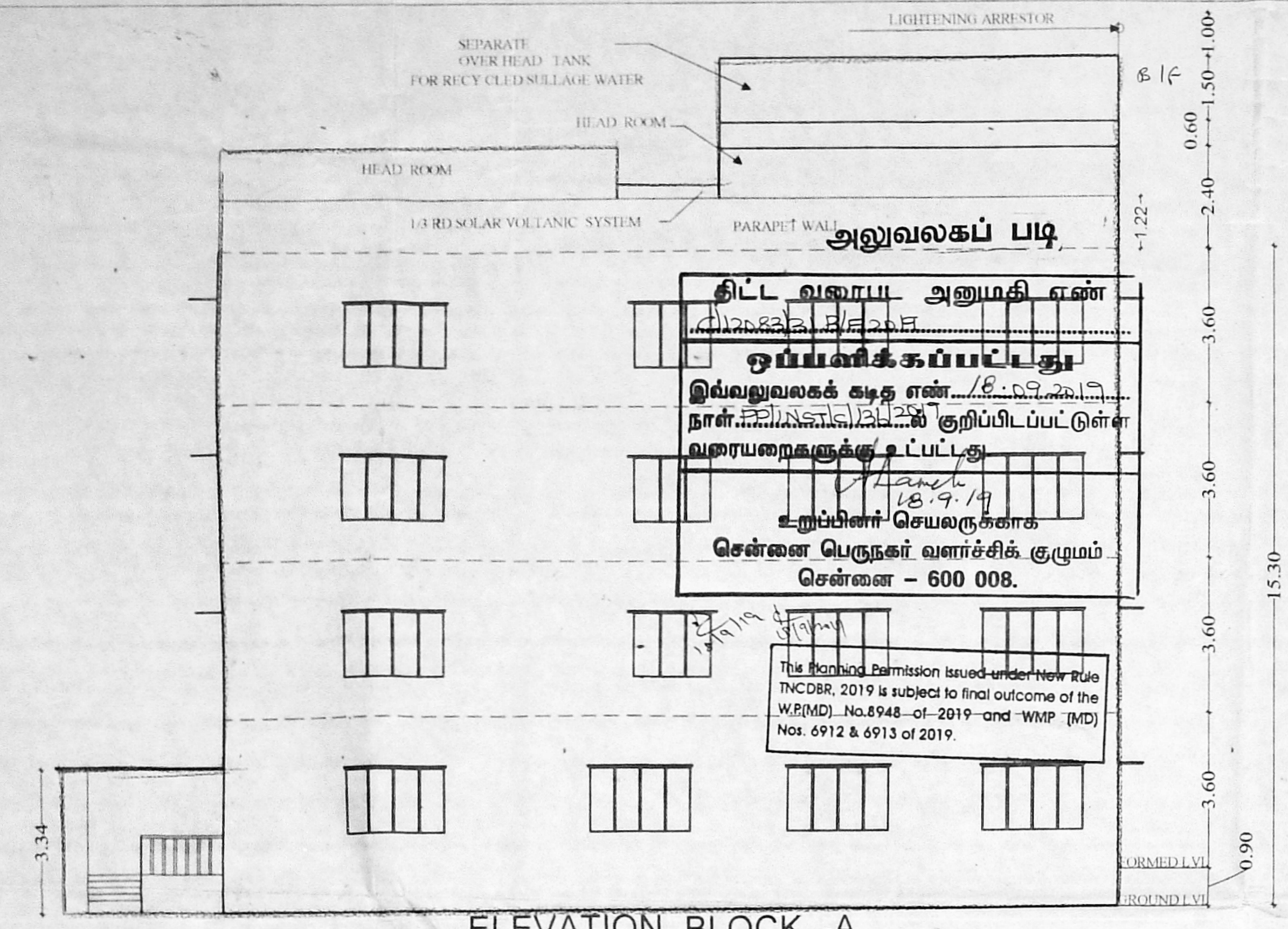
SHEET SIZE : A0
SCALE 1:200

D.K. Peris
v.m.v.
APPLICANT

D. RAVINDRAKUMAR
Structural Engineer
Approved Valuer & Regd. Engineer
CC-1 (REG) / CAT-1 / VOL-1 / No. 2007/08
BCC / H.I. / 2,23 / E-1288 / 08-99
100, F. 16466

M.VENKATASUBBA SAO
Registered Engineer (REG) (B.E.)
B.E., Civil Engg. / 3 (Structural)
REG / 03-19 / 03 / 070
38/74, Banasilah Road,
T.Nagar, Chennai-600 017.
LICENSED SURVEYOR ARCHITECT

PLAN SHOWING THE PROPOSED CONSTRUCTION OF 1 BLOCK OF GROUND + 3 FLOORS OF HIGHER SECONDARY SCHOOL, 2 BLOCKS OF GROUND + 3 FLOORS OF HOSTEL BUILDING AT 10M ROAD GAINING ACCESS FROM POONAMALLE PATABHIRAM MAIN ROAD IN SURVEY NUMBER 286/3A, 3B, 287/1&2 (as per doc) S.NO. 286 / 3A1A, 3A1B, 3B1A, 3B1B, 287 / 1A1, 1A2, 2A, & 2B (as per patta) IN VAYALANALLUR-B VILLAGE (CHOKANALLUR), POONAMALLE PANCHAYAT UNION & POONAMALLE TALUK, TIRUVALLUR DISTRICT.



JOINERY DETAILS

D0	- DOOR	- 1.20x 2.40
D1	- DOOR	- .76 x 2.13
D	- DOOR	- 0.90 x 2.13
W	- WINDOW	- 2.40x1.50
W1	- WINDOW	- 1.80x1.50
V	- VENTILATOR	- 0.91 x0.60

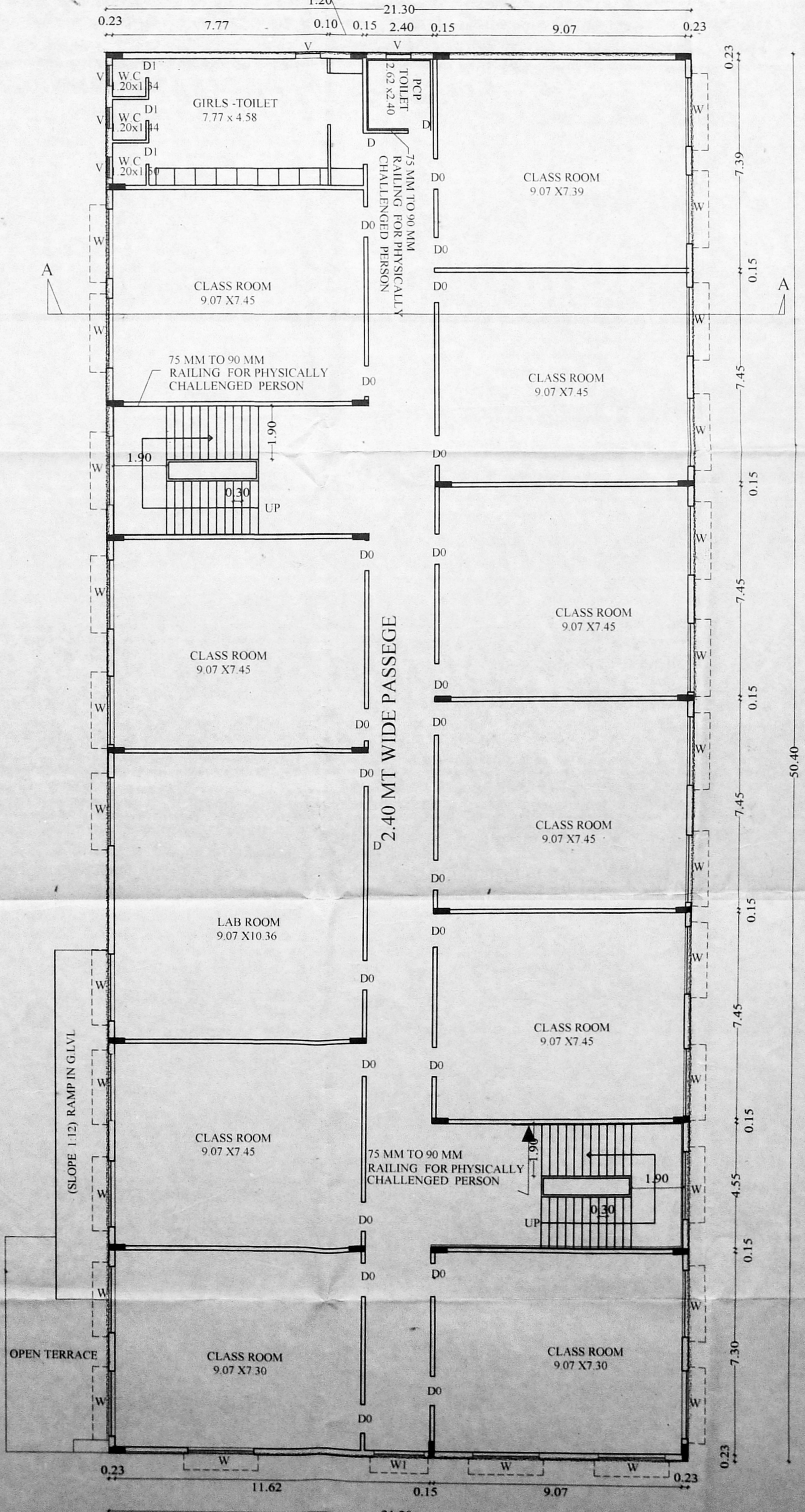
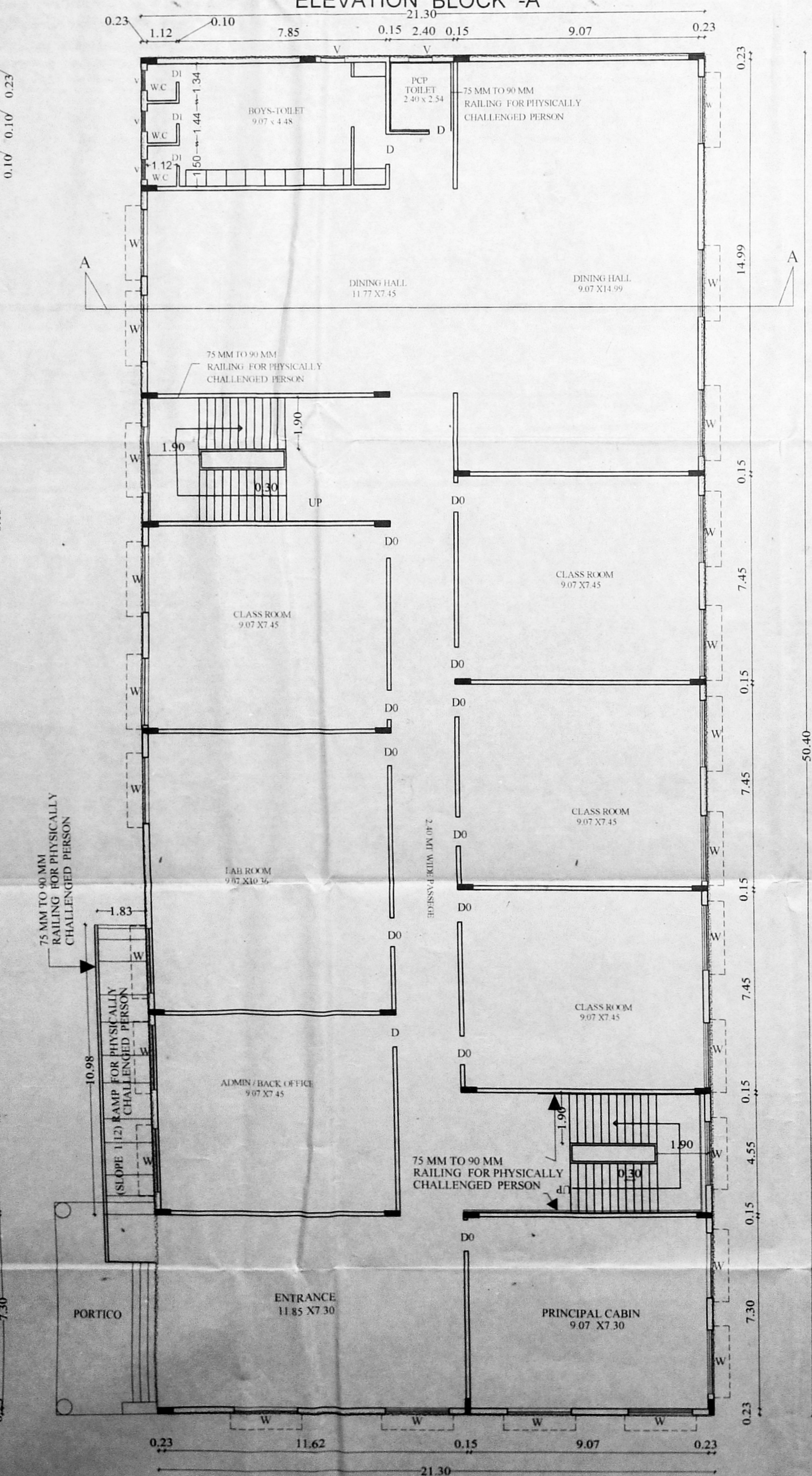
SPECIFICATION

FOUNDATION	- R.C.C COL FOUNDATION OVER P.C.C 1:5:10
FLOORING	- MOSAIC FLOORING OVER P.C.C 1:4:8
STRUCTURE	- BRICK WORK IN C.M 1:5 MIX
PLASTERING	- CEMENT MORTAR IN 1:4 MIX
ROOF SLAB	- R.C.C ROOF SLAB M25 MIX
W COURSE	- TWO LAYERS OF PRESSED TILES OVER- -BRICK JELLY WITH LIME MORTAR.
JOINERY	- WITH BEST INDIAN TEAK WOOD.

COLOUR INDEX

ROAD	[Color Box]
PROPOSED	[Color Box]
SITE	[Color Box]

SCALE 1"=8'-0"



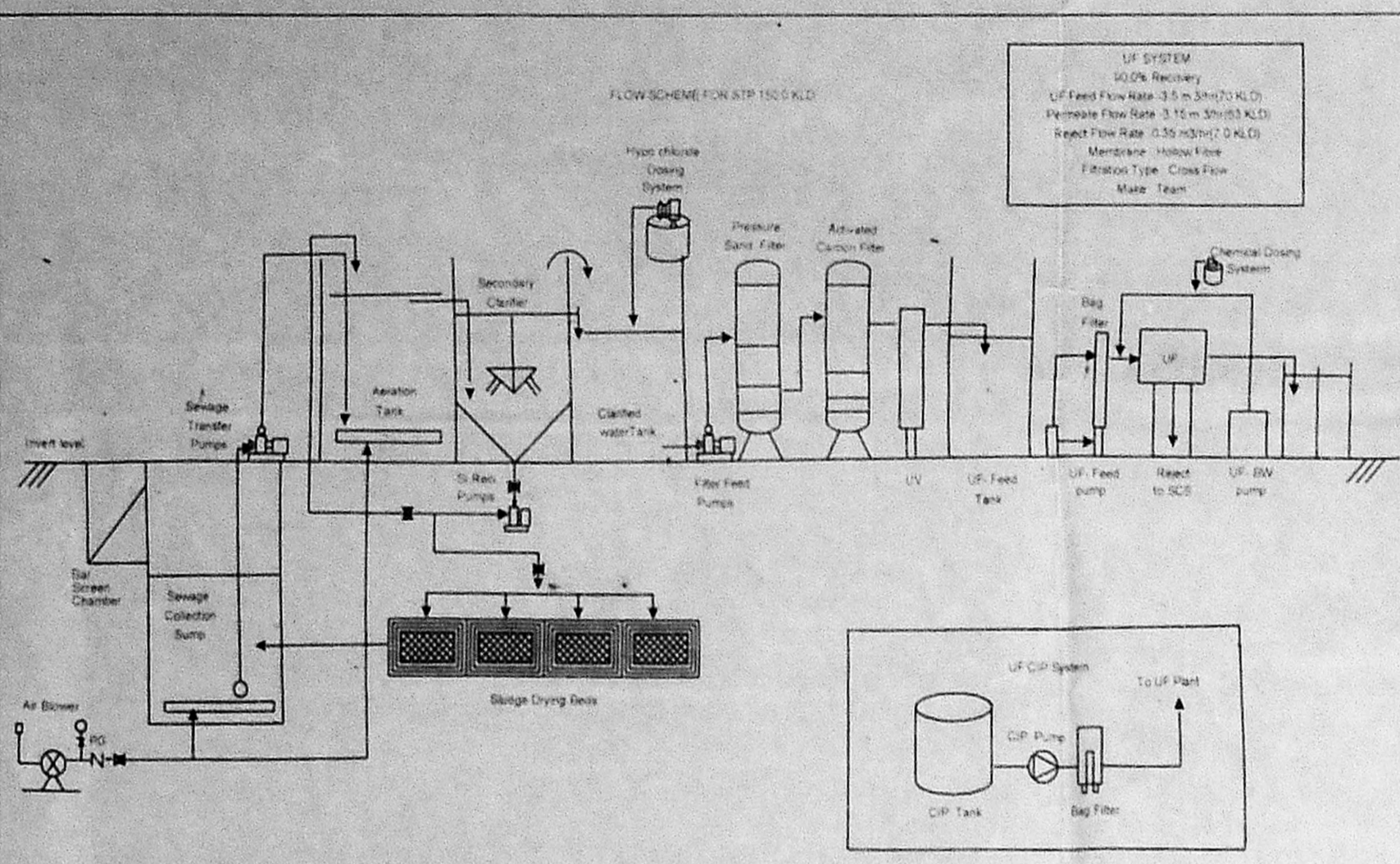
D.K. Das
v.m.d
APPLICANT

D. Ravindrakumar
Structural Engineer
Approved Valuer & Regd. Engineer
CCU/BNG/CAL/VOL-1/9207-08
BCC/IND/1323/15178/08-99
IOV-F 16466

STRUCTURAL ENGINEER

M. Venkata Subra Rao
Registered Engineer Grade I (R2)
S.E. (Civil) Regd. No. 280000001
REG. NO. 15/03/079
30/74, Basalab Road,
T. Nagar, Chennai-600 017
Ph: 02244902 / 22244857
E-mail: Venkatas@yahoo.com

LICENSED SURVEYOR / ARCHITECT



Design Calculation for Sewage Treatment Plant

Sewage Generation Details:

No. of Hostellers: 500 Students
No. of Students: 2000 Students
No. of Teaching Staffs: 50 No's
No. of Non Teaching Staffs: 25 No's

Sewage Generation for Hostellers: 500*135 Liters = 67500 Liters = 67.5 KLD
Sewage Generation for Remaining Students: (2000-500)*50 Liters = 1500*50 Liters = 75000 Liters = 75.0 KLD
Sewage Generation for Teaching Staffs: = 50*50 Liters = 2500 Liters = 2.5 KLD
Sewage Generation for Non Teaching Staffs = 25*50 Liters = 1250 Liters = 1.25 KLD
Total Sewage Generation of Entire School will be = (67.5+75.0+2.5+1.25) = 146.25 KLD

We planned to design for the capacity of 150.0 KLD

Flow rate logistics:

Design capacity: 150.0 KLD
Operating Hours: 20 hrs
Average Flow Rate: 7.5 m³/hr

Quality logistics:

S.No	Description	Unit	Inlet	Outlet Standards
1	pH	-	6.5 - 8.5	6.5 - 7.5
2	TSS	mg/l	150 - 250	<20
3	BOD	mg/l	300 - 350	<10
4	COD	Mg/l	600 - 700	<100
5	Oil & Grease	Mg/l	50	<5

Sewage Collection tank:
Size of collection tank: 6.0m x 6.0 m x 2.5 m SWD + 1.8 m FB
Volume of Collection tank V: 90.0 cum
Flow rate Q: 7.5 cum/hr
Retention time T: V / T

AERATION TANK:
Size of Aeration tank: 6.5 m x 6.5 m x 3.5 m SWD
Volume of Aeration tank V: 147.8 cum
Flow rate Q: 7.5 cum/hr
Volume of the Aeration Tank Required - BOD Load / (F/M * MLVSS)
BOD Load: 3.5 Kg of BOD per day
MLVSS: 80% of MLSS
MLSS: 3500 - 4000 PPM
F/M Ratio: 0.1 to 0.15
BOD Load: 52.5 Kg/Day

Now volume of the Aeration Tank = 52.5 / (0.12) = 437.5 m³

The Required Volume of the Aeration Tank = 136.72 m³
The Designed volume of the Aeration Tank should be 147.8 m³

The Plant will able treat the capacity up to 150.0 KLD

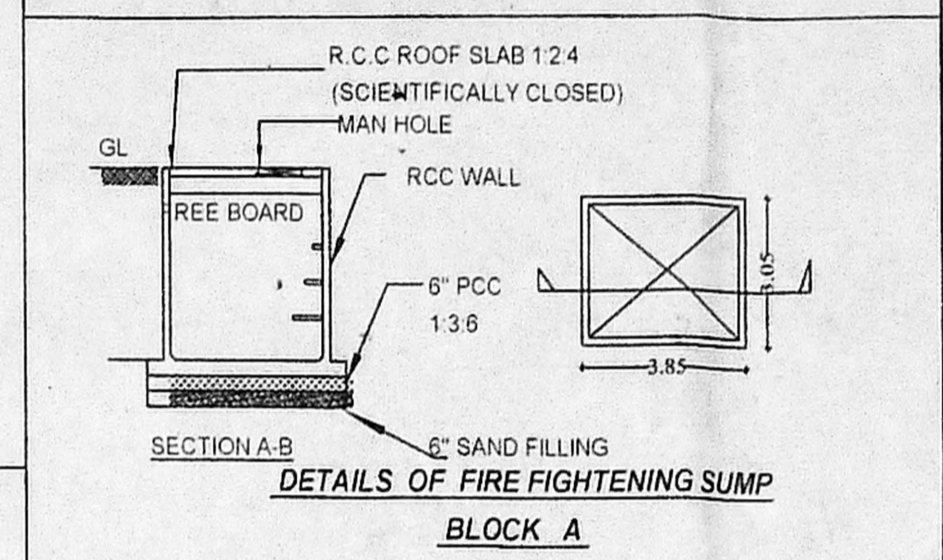
Filter Feed Tank:
Size of the Filter Feed Tank: 4.0 m x 4.0 m x 2.0 m SWD + 0.5 m FB
Volume of Filter Feed tank V: 30.0 cum
Flow rate Q: 7.5 cum/hr
Retention time T: V / T

Pressure Sand Filter:
Flow rate Q: 7.5 cum/hr
Filtration rate for PSF (V): 15 m³/m²/hr

Activated Carbon Filter:
Flow rate Q: 7.5 cum/hr
Filtration rate for ACF (V): 15 m³/m²/hr

Sludge drying beds:
Size of Sludge drying bed: 4.0m x 4.0m x 1.0m - 4 Nos
Plant Capacity: 140 KLD
Inlet TSS: 250 mg/l
Outlet TSS: 20 mg/l
Sludge Produced per day: [(250 - 20) x 150000] / (1000 x 1000) = 34.5 kg/day
Standard Drying Rate: 5 Kgs/Sqm
Area required: 6.9 sqm/day
Area of bed provided: 4.0 m x 4.0 m x 1.0 m TH x 4 Nos = 64.0 sqm

We have taken higher area in Sludge drying bed.



PLAN SHOWING THE PROPOSED CONSTRUCTION OF 1 BLOCK OF GROUND + 3 FLOORS OF HIGHER SECONDARY SCHOOL, 2 BLOCKS OF GROUND + 3 FLOORS OF HOSTEL BUILDING AT 10M ROAD GAINING ACCESS FROM POONAMALLE PATABHIRAM MAIN ROAD IN SURVEY NUMBER 286/3A, 3B, 287/1&2 (as per doc) S.NO. 286 / 3A1A, 3A1B, 3B1A, 3B1B, 287 / 1A1, 1A2, 2A & 2B (as per patta) IN VAYALANALLUR-B VILLAGE (CHOKANALLUR), POONAMALLE PANCHAYAT UNION & POONAMALLE TALUK, TIRUVALLUR DISTRICT.

JOINERY DETAILS

D0	- DOOR	- 1.20x 2.40
D1	- DOOR	- 0.76 x 2.13
D	- DOOR	- 0.90 x 2.13
W	- WINDOW	- 2.40x1.50
W1	- WINDOW	- 1.80x1.50
V	- VENTILATOR	- 0.91 x0.60

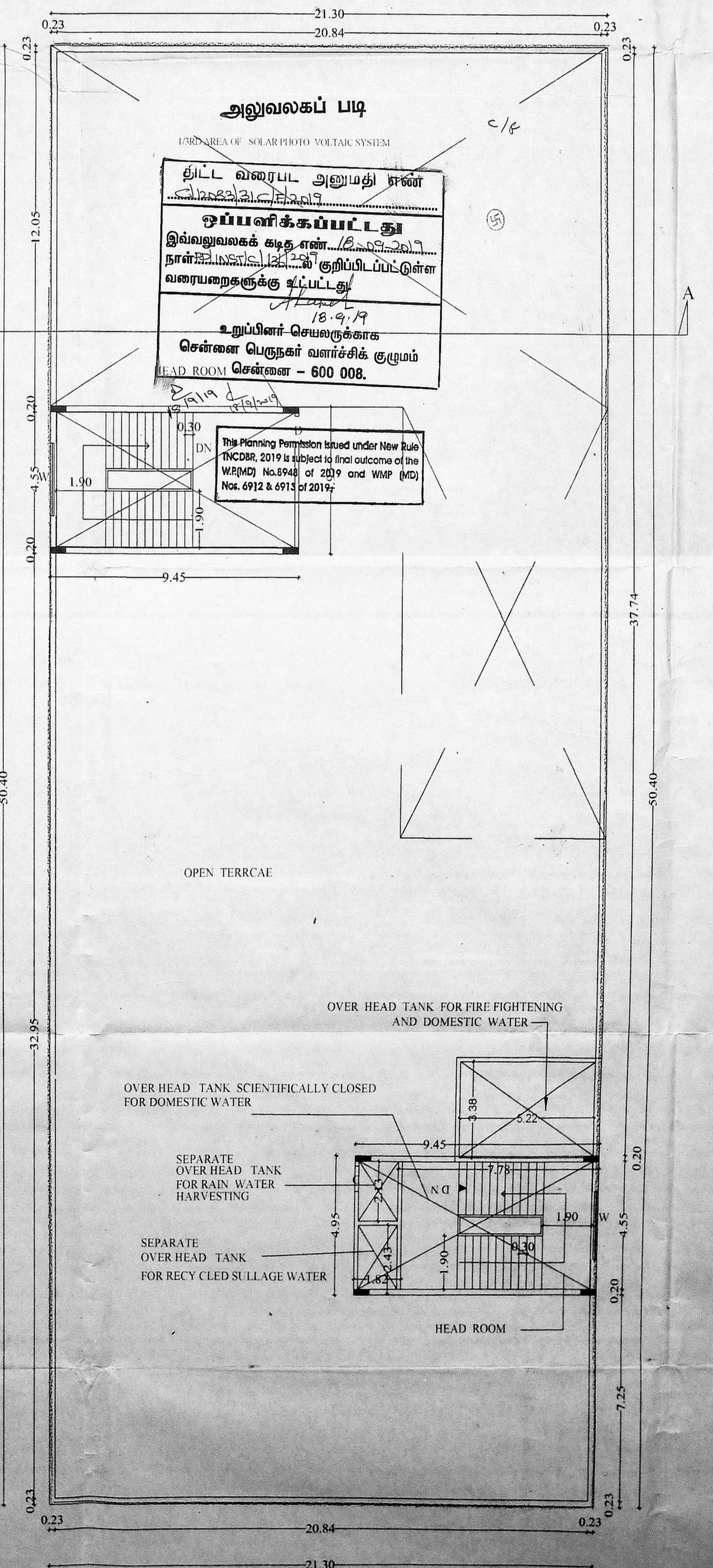
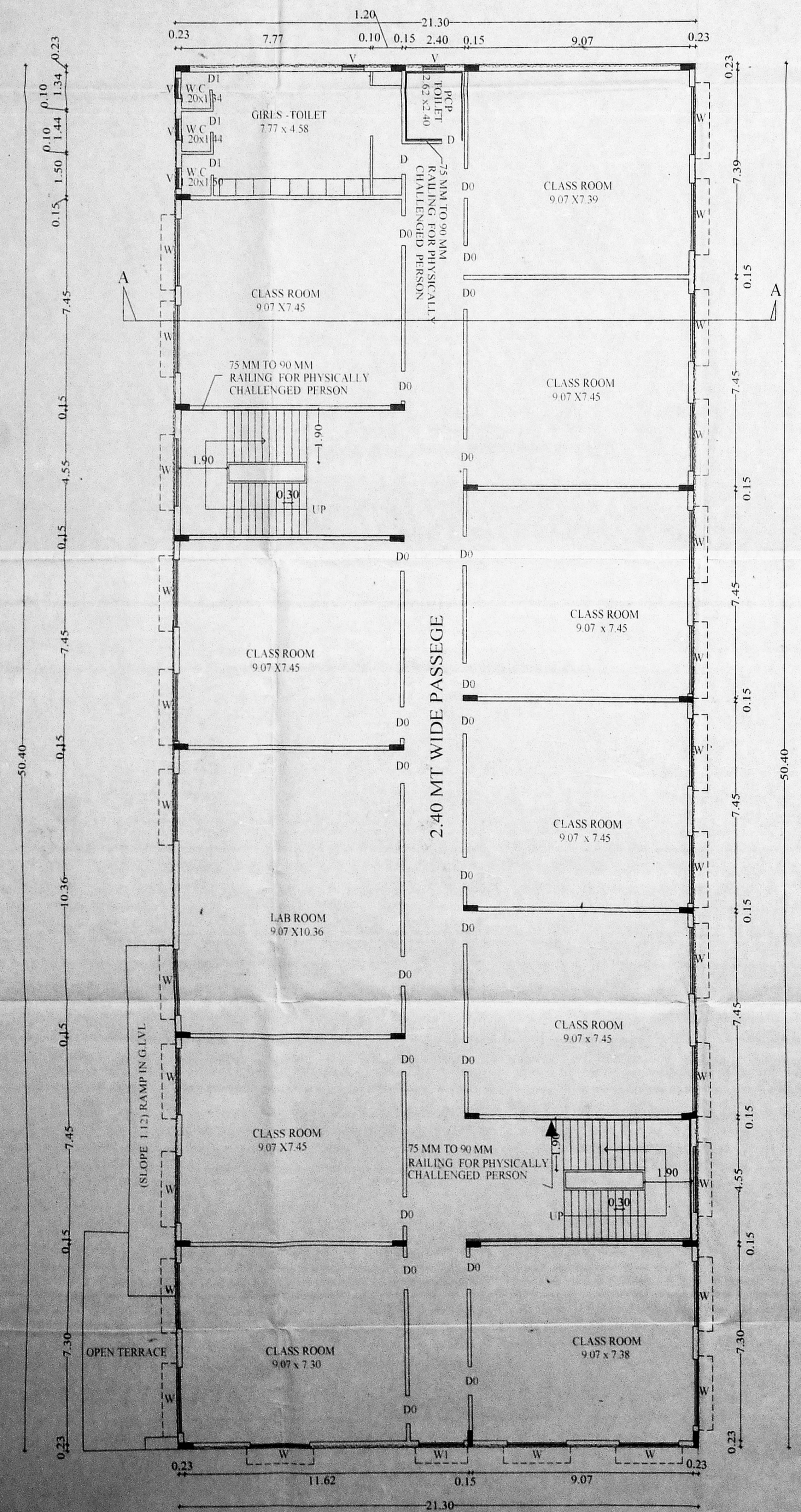
SPECIFICATION

FOUNDATION	- R.C.C COL. FOUNDATION OVER P.C.C 1:5:10
FLOORING	- MOSAIC FLOORING OVER P.C.C 1:4:8
S STRUCTURE	- BRICK WORK IN C.M 1:5 MIX.
PLASTERING	- CEMENT MORTAR IN 1:4 MIX.
ROOF SLAB	- R.C.C ROOF SLAB M25 MIX.
WCOURSE	- TWO LAYERS OF PRESSED TILES OVER-BRICK JELLY WITH LIME MORTAR.
JOINERY	- WITH BEST INDIAN TEAK WOOD

COLOUR INDEX

ROAD	[Line style]
PROPOSED	[Line style]
SITE	[Line style]

SCALE 1"=40'



அலுவலகப் படி

பகுதியில் சூரிய ஒளி மின்சார அமைப்பு

சிறப்பு வரைபடம்

இவ்வலுவலகக் கட்டிடம்...
நாள்: 18-9-19

சென்னை பெருநகர் வளர்ச்சிக் குழுமம்
சென்னை - 600 008.

This Planning Permission issued under New Rule (WCDR, 2019) is subject to final outcome of the W/P(MD) No.6948 of 2019 and W/P (MD) Nos. 6912 & 6913 of 2019.

APPLICANT
D.K. Das

STRUCTURAL ENGINEER
D. RAJENDRAN
Structural Engineer
Approved Under: Reg. No. 1/A/2002-08
CC-1/BL/323/1/1/188/10000
RCE/BL/323/1/1/188/10000
10V-11666

LICENSED SURVEYOR / ARCHITECT
M. VENKATA SUBBA SAO
Registered Surveyor Grade: 198
R.E., Civil Reg. No. 2 (Struc. Engg.)
No. 119/03/070
No. 774, Barathidasar Road,
T Nagar, Chennai-600 017.
Tel: 2824503 / 2824507
E-mail: Venkatasubba@gmail.com

CONSTRUCTION OF 1 BLOCK OF GROUND + 3 FLOORS OF HIGHER SECONDARY SCHOOL, 2 BLOCKS OF GROUND + 3 FLOORS OF HOSTEL BUILDING AT 10M ROAD GAINING ACCESS FROM POONAMALLE PATABHIRAM MAIN ROAD IN SURVEY NUMBER 286/3A, 3B, 287/1&2 (as per doc) S.NO. 286 / 3A, 3B, 3B1A, 3B1B, 287 / 1A1, 1A2, 2A, & 2B (as per patta) IN VAYALANALLUR-B VILLAGE (CHOKANALLUR), POONAMALLE PANCHAYAT UNION & POONAMALLE TALUK, TIRUVALLUR DISTRICT.

JOINERY DETAILS

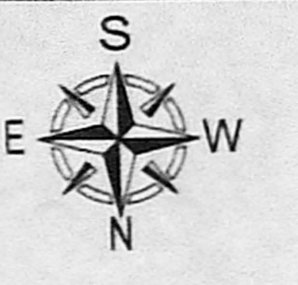
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D1	-	DOOR	-	76 x 2.13
W	-	WINDOW	-	2.40x1.50
W1	-	WINDOW	-	1.80x1.50
V	-	VENTILATOR	-	0.91 x0.60

SPECIFICATION

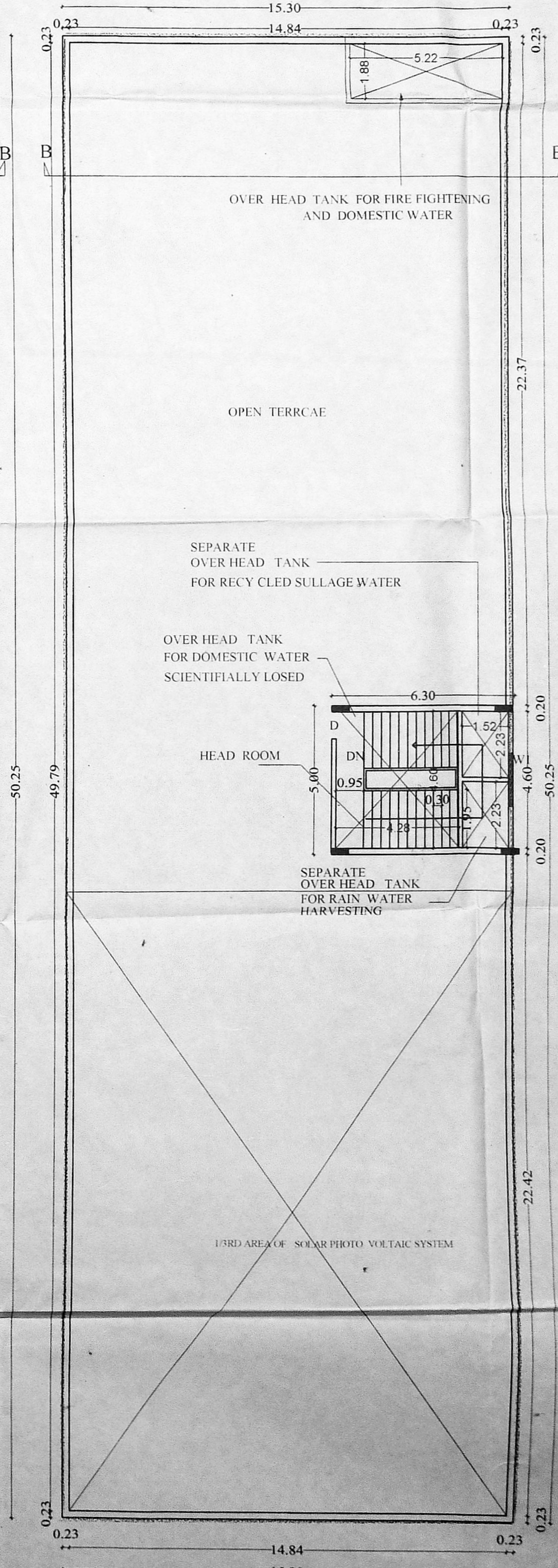
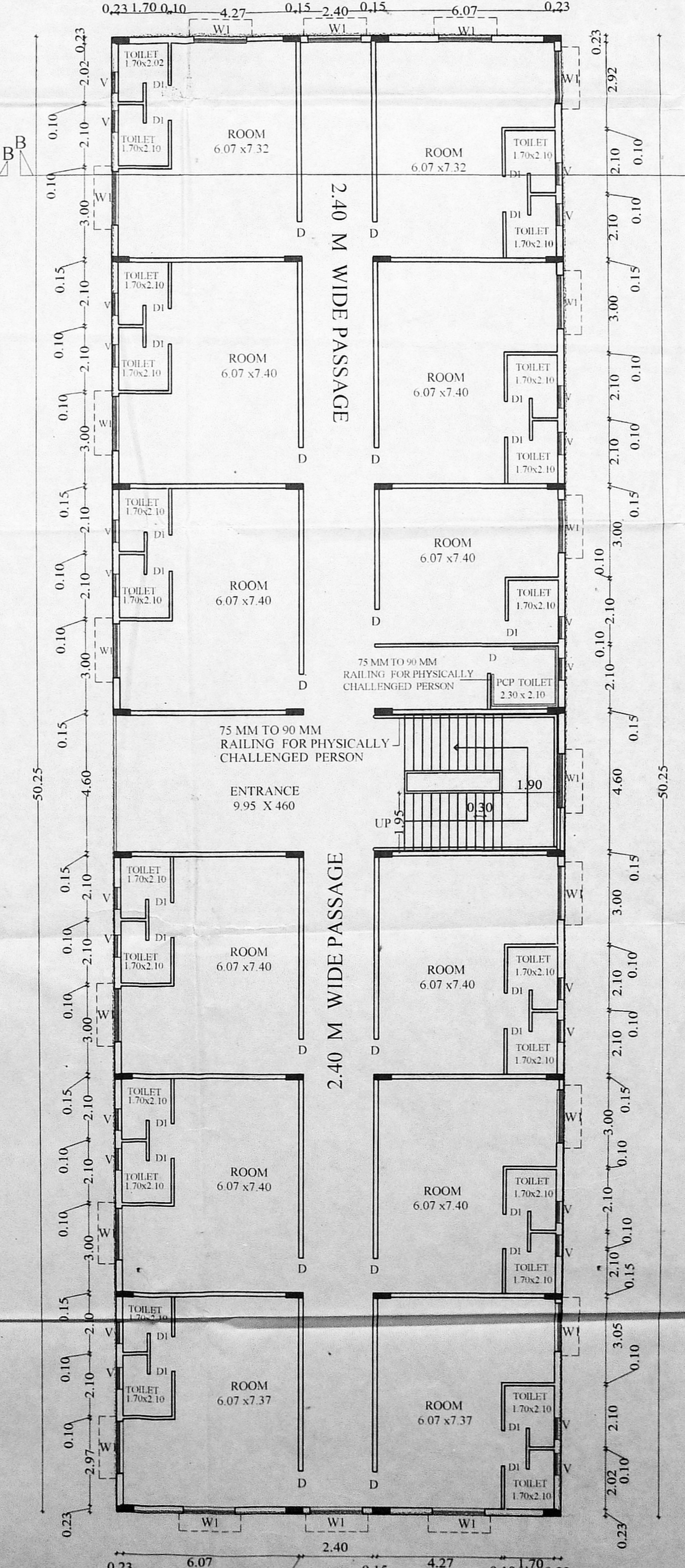
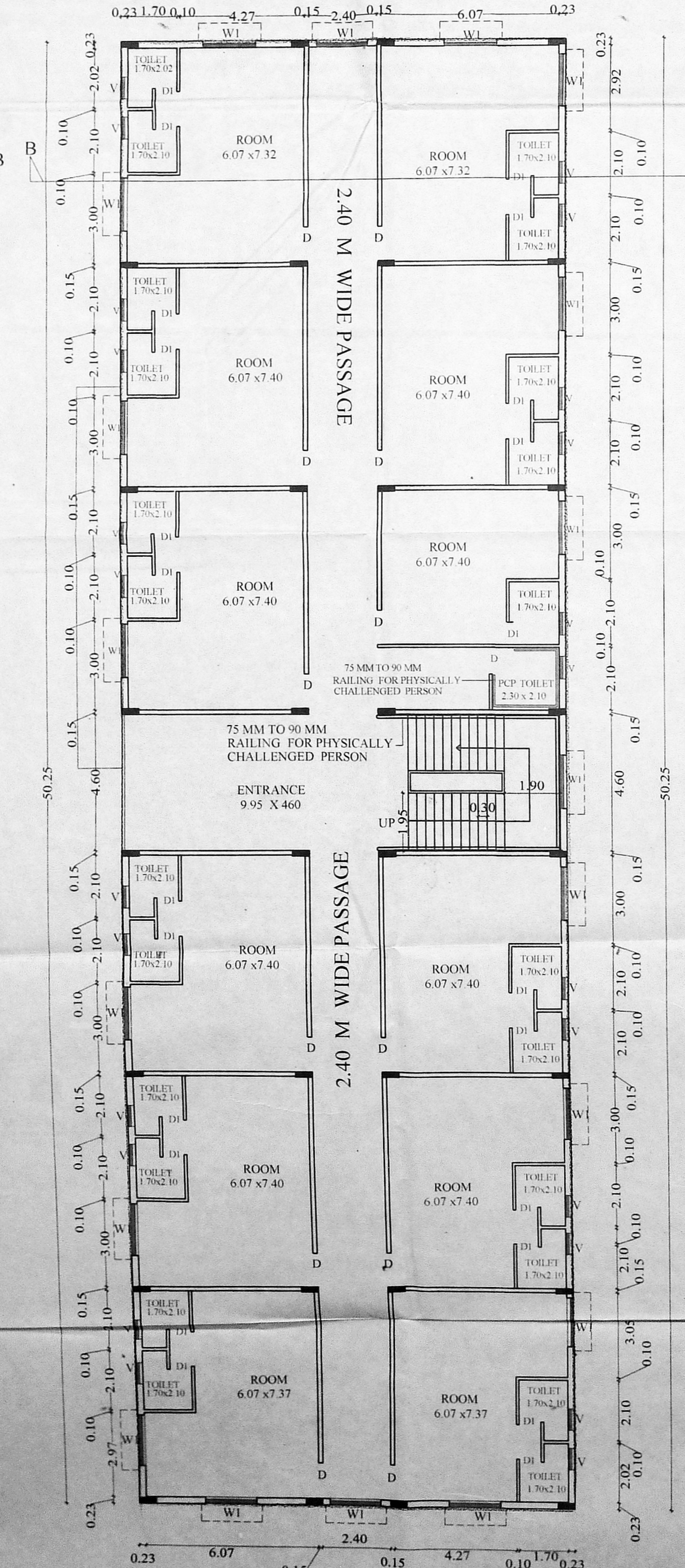
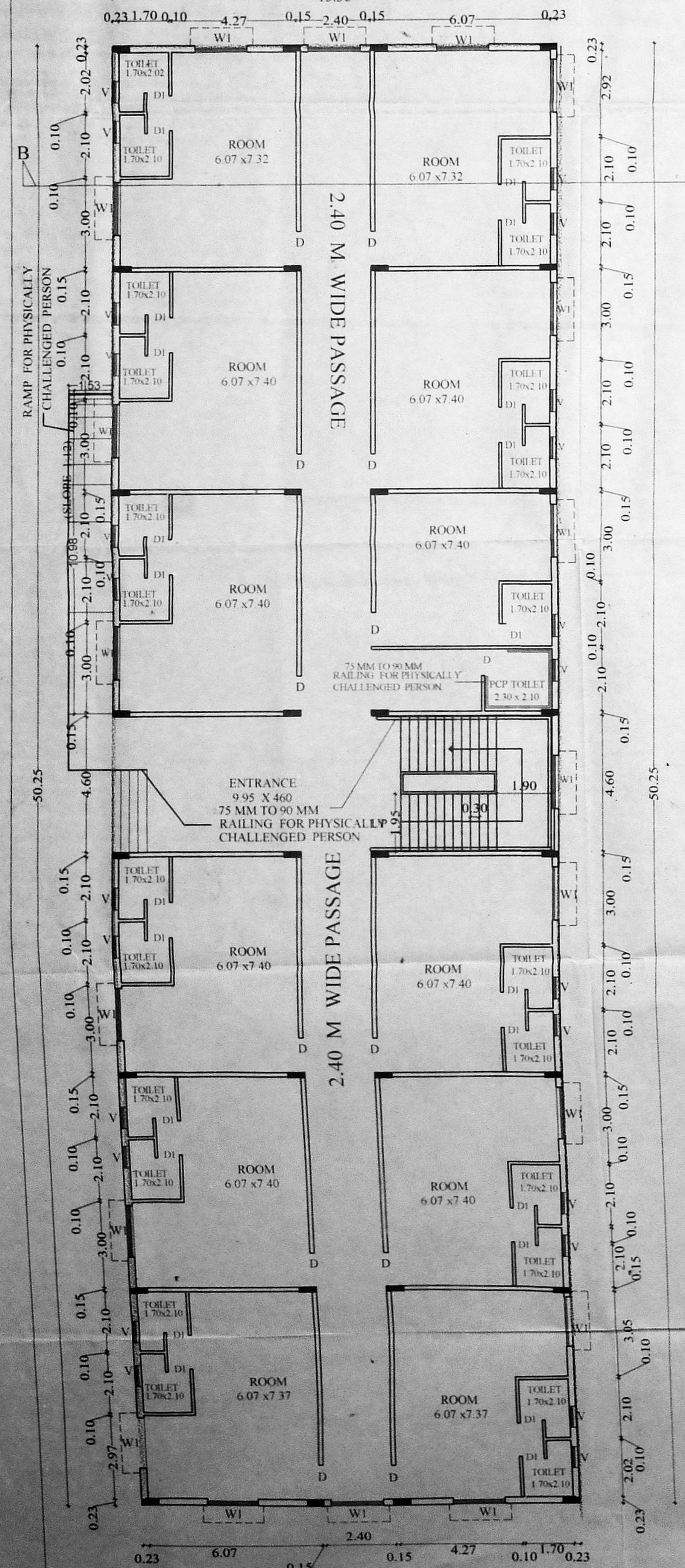
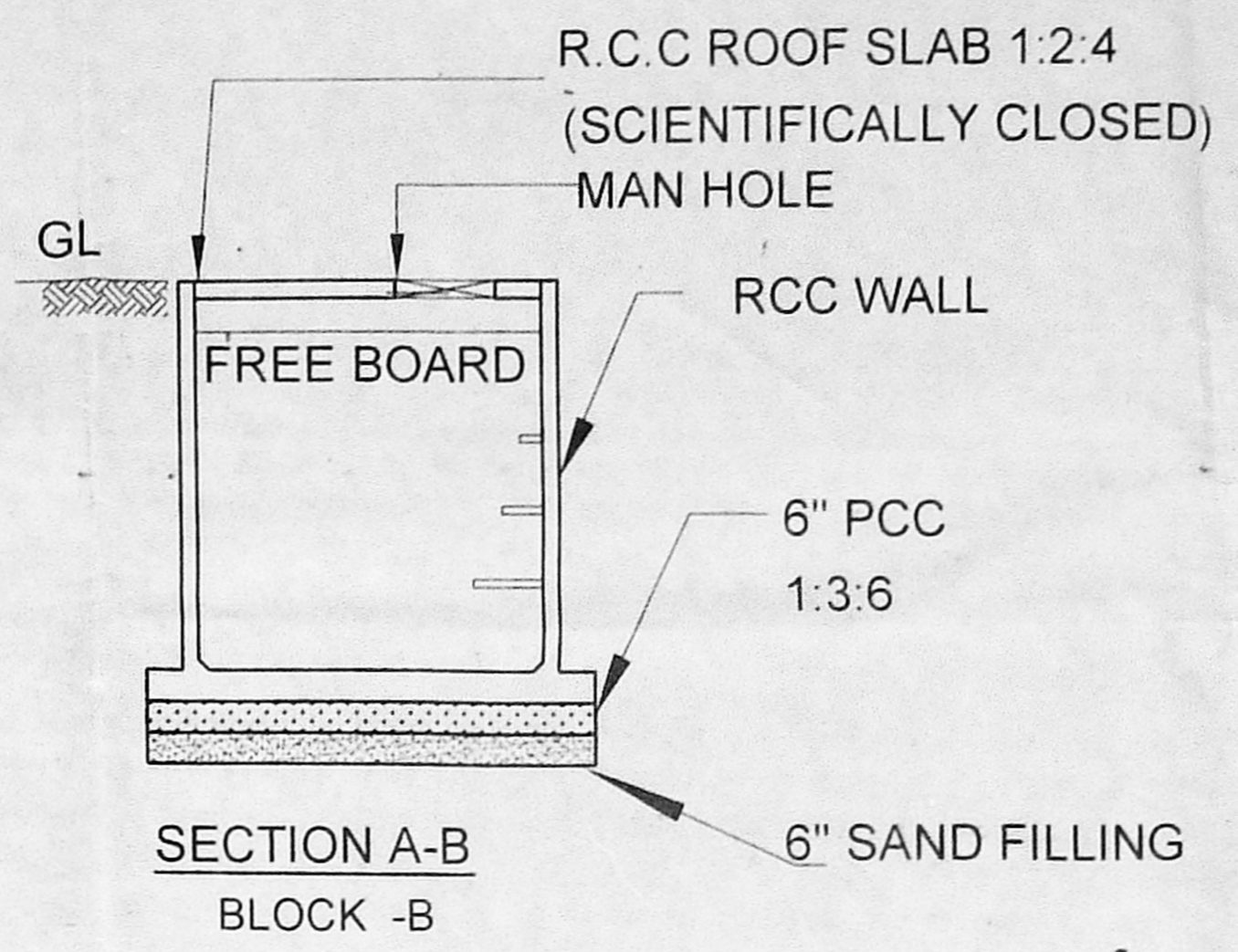
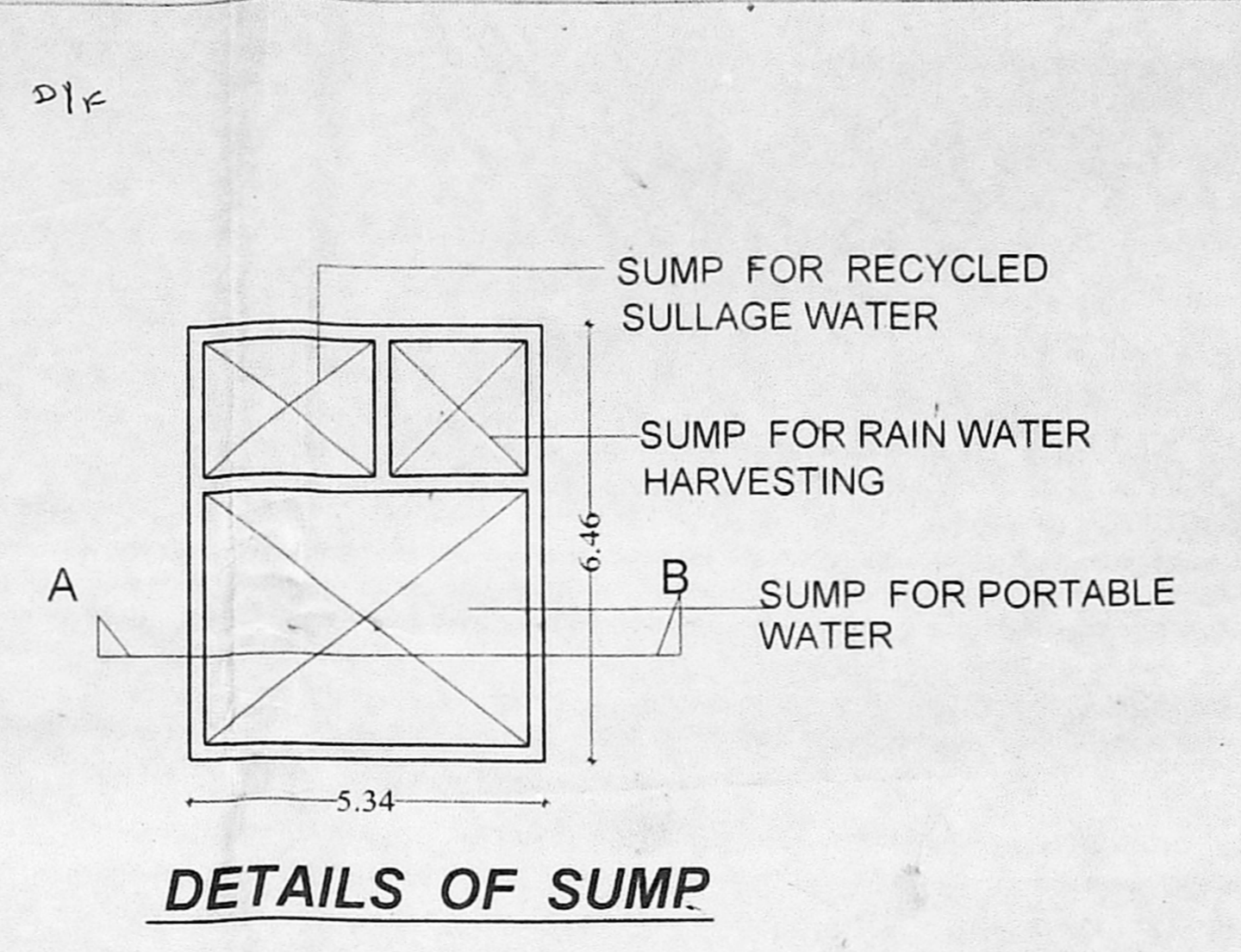
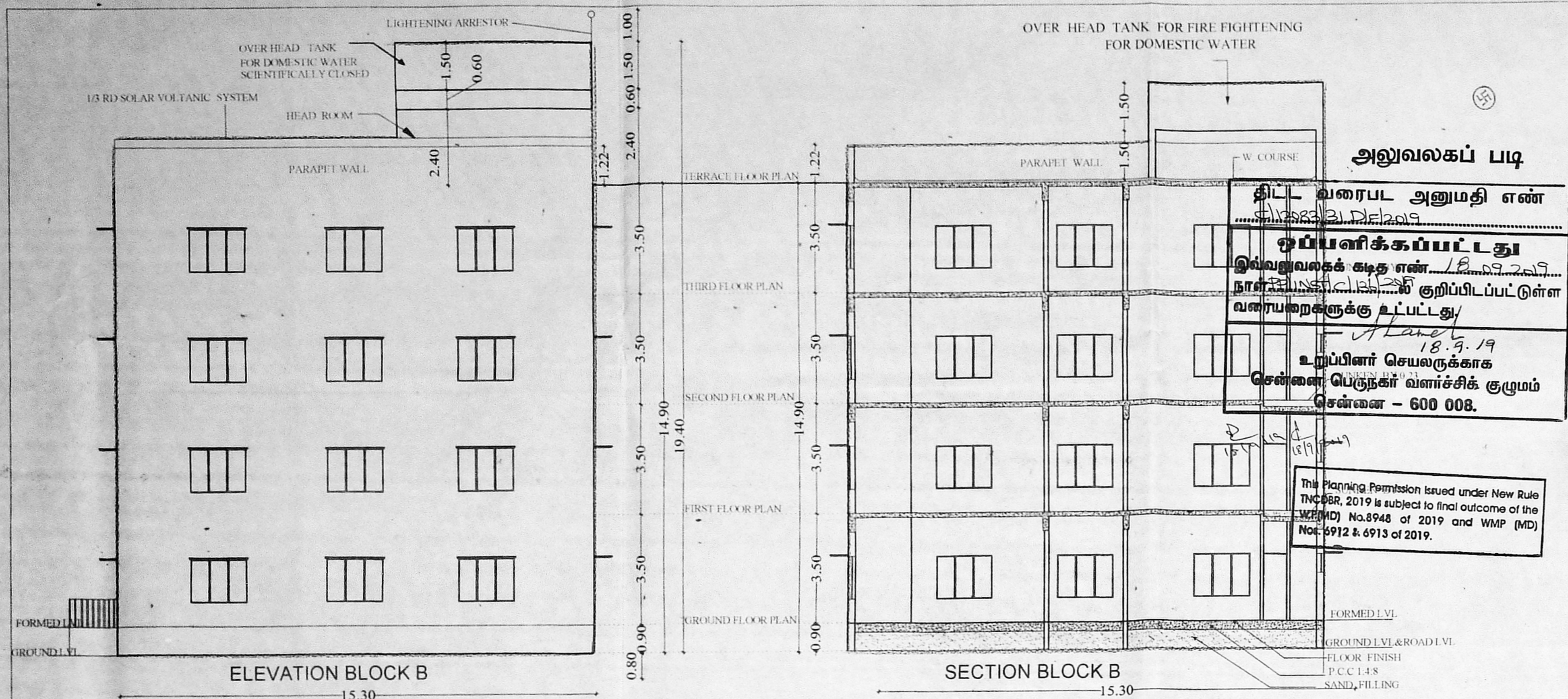
- FOUNDATION - R.C.C COL FOUNDATION OVER P.C.C 1:5:10
- FLOORING - MOSAIC FLOORING OVER P.C.C 1:4:8
- S.STRUCTURE - BRICK WORK IN C.M 1:5 MIX
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- W.COURSE - TWO LAYERS OF PRESSED TILES OVER-BRICK JELLY WITH LIME MORTAR
- JOINERY - WITH BEST INDIAN TEAK WOOD

COLOUR INDEX

- ROAD
- PROPOSED
- SITE



SCALE 1"=8'-0"



D.K. Das

APPLICANT

D. RAVINDRAKUMAR
Structural Engineer
C.C. No. 1798/99

STRUCTURAL ENGINEER

M.VENKATA SUBBA RAO
Registered Engineer Grade-I (S)
No. 1798/99

LICENSED SURVEYOR / ARCHITECT

PLAN SHOWING THE PROPOSED CONSTRUCTION OF 1 BLOCK OF GROUND + 3 FLOORS OF HIGHER SECONDARY SCHOOL, 2 BLOCKS OF GROUND + 3 FLOORS OF HOSTEL BUILDING AT 10th ROAD GAINING ACCESS FROM POONAMALLE PATABHIRAM MAIN ROAD IN SURVEY NUMBER 286/3A, 3B, 287/1&2 (as per doc) S.NO. 286 / 3A1A, 3A1B, 3B1A, 3B1B, 287 / 1A1, 1A2, 2A, & 2B (as per patta) IN VAYALANALLUR-B VILLAGE (CHOKANALLUR), POONAMALLE PANCHAYAT UNION & POONAMALLE TALUK, TIRUVALLUR DISTRICT.

JOINERY DETAILS

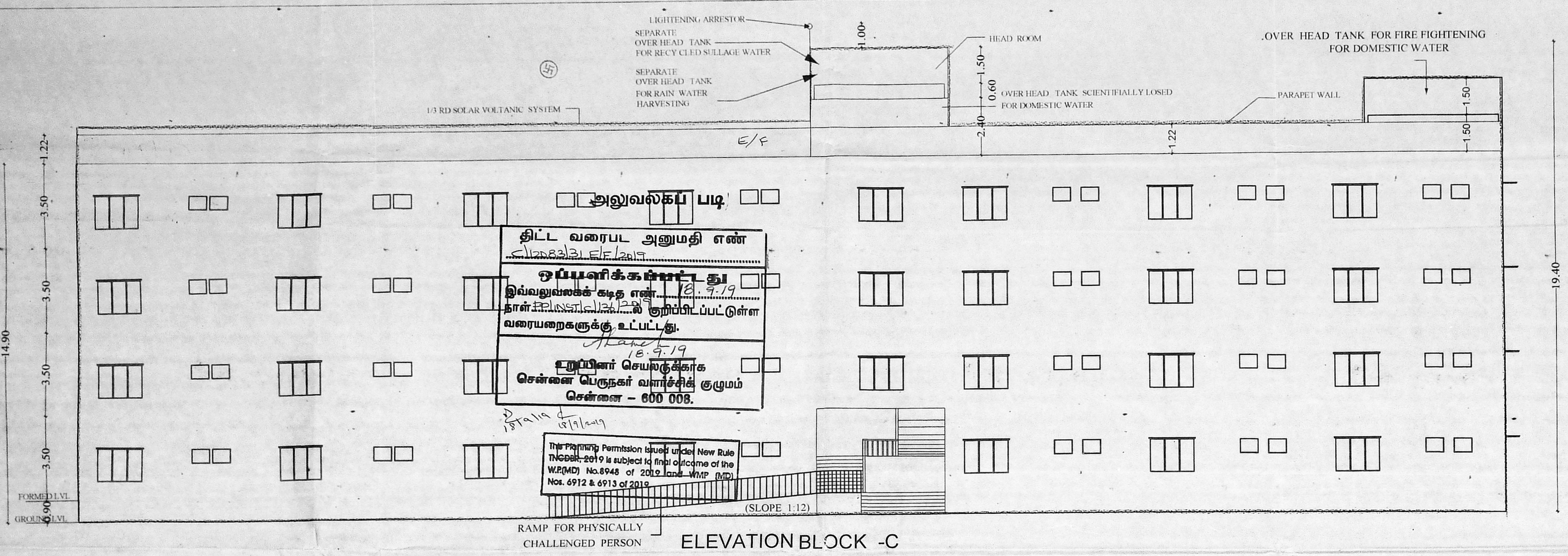
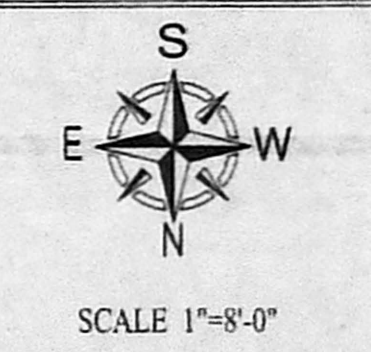
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D1	- DOOR	- .75 x 2.13
W	- WINDOW	- 2.40x1.50
W1	- WINDOW	- 1.80x1.50
V	- VENTILATOR	- 0.91 x0.60

SPECIFICATION

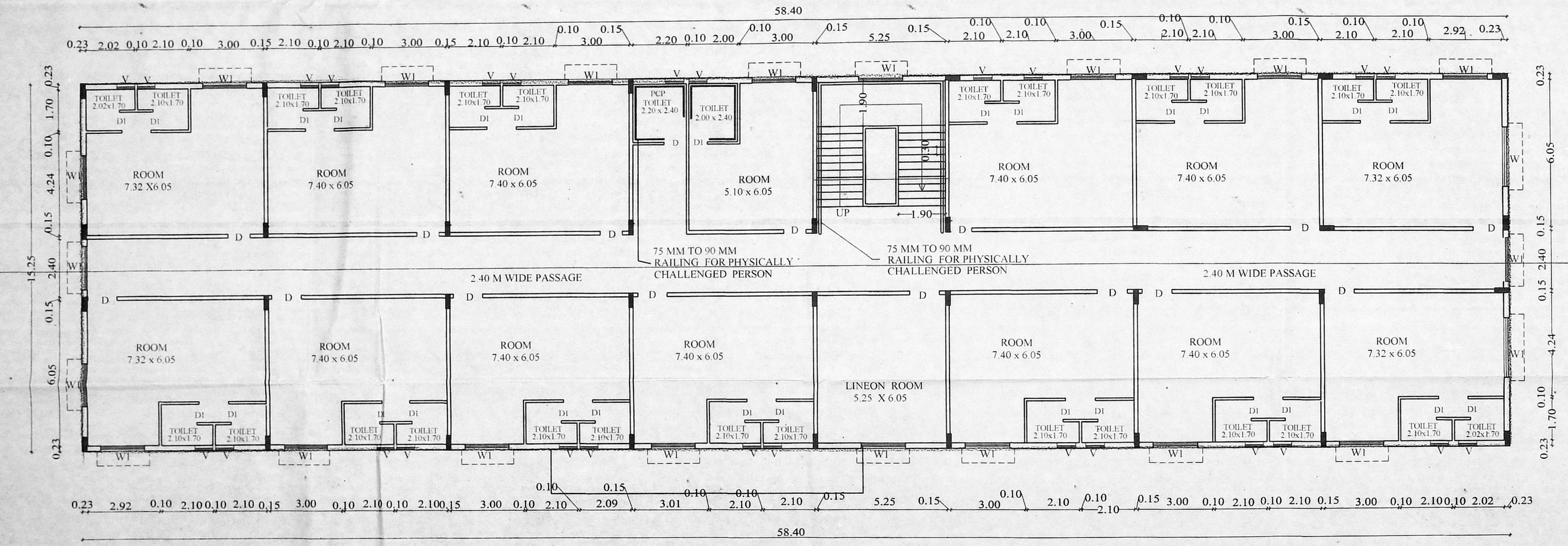
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- JOINERY - WITH BEST INDIAN TEAK WOOD

COLOUR INDEX

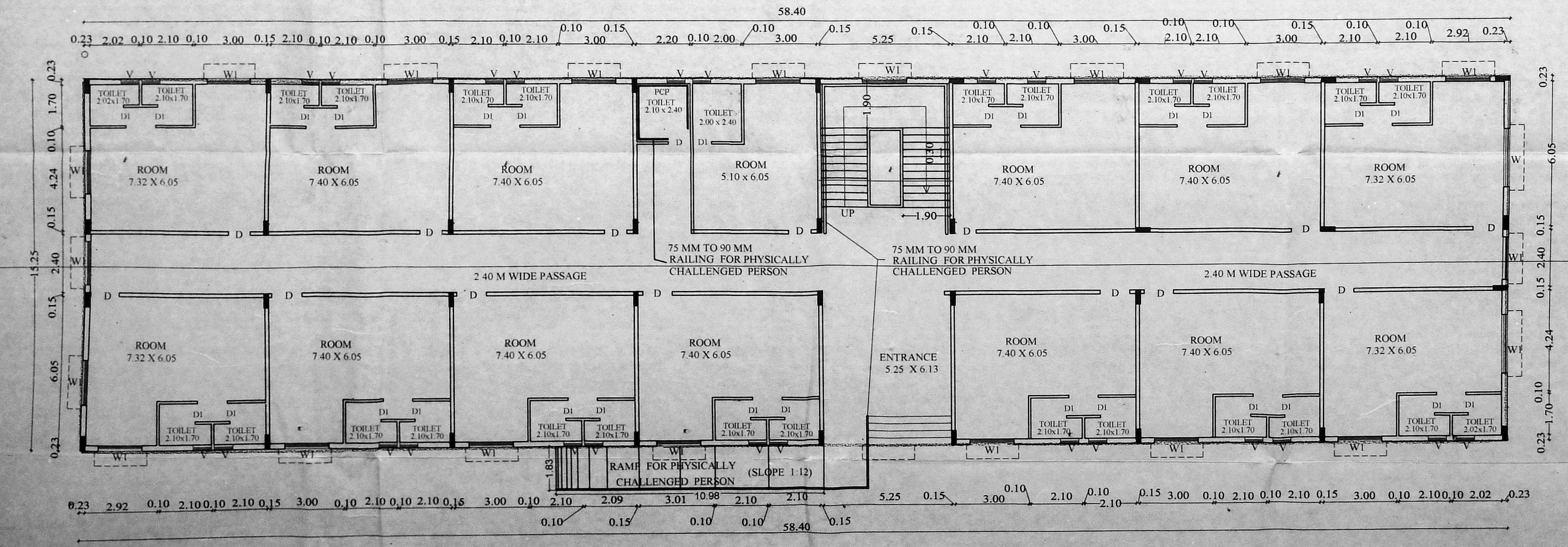
ROAD	
PROPOSED	
SITE	



ELEVATION BLOCK - C



FIRST FLOOR PLAN



GROUND FLOOR PLAN BLOCK - C

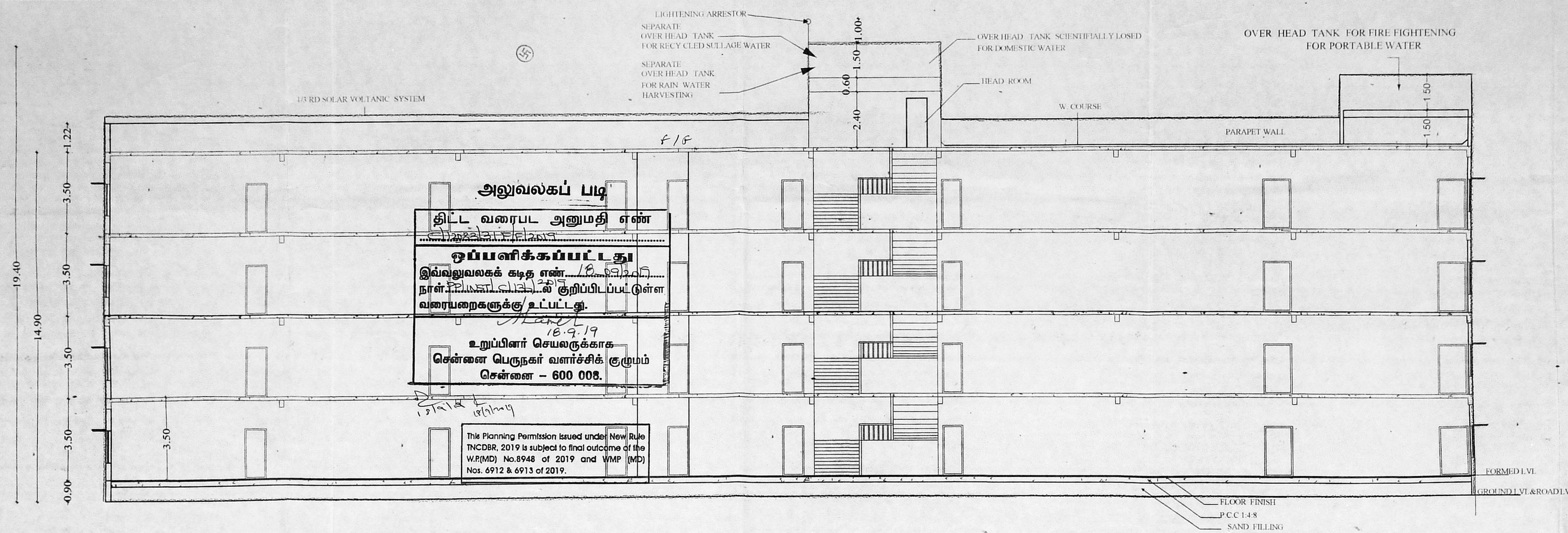
D.K. Das
APPLICANT

D. RAMINDRAKUMAR
Structural Engineer
Approved Valuer & Regd. Engineer
CC-1/BNM/CAT/19/2007-08
BCC/111/2/23/1/1738/08-09
IOV-P-1666

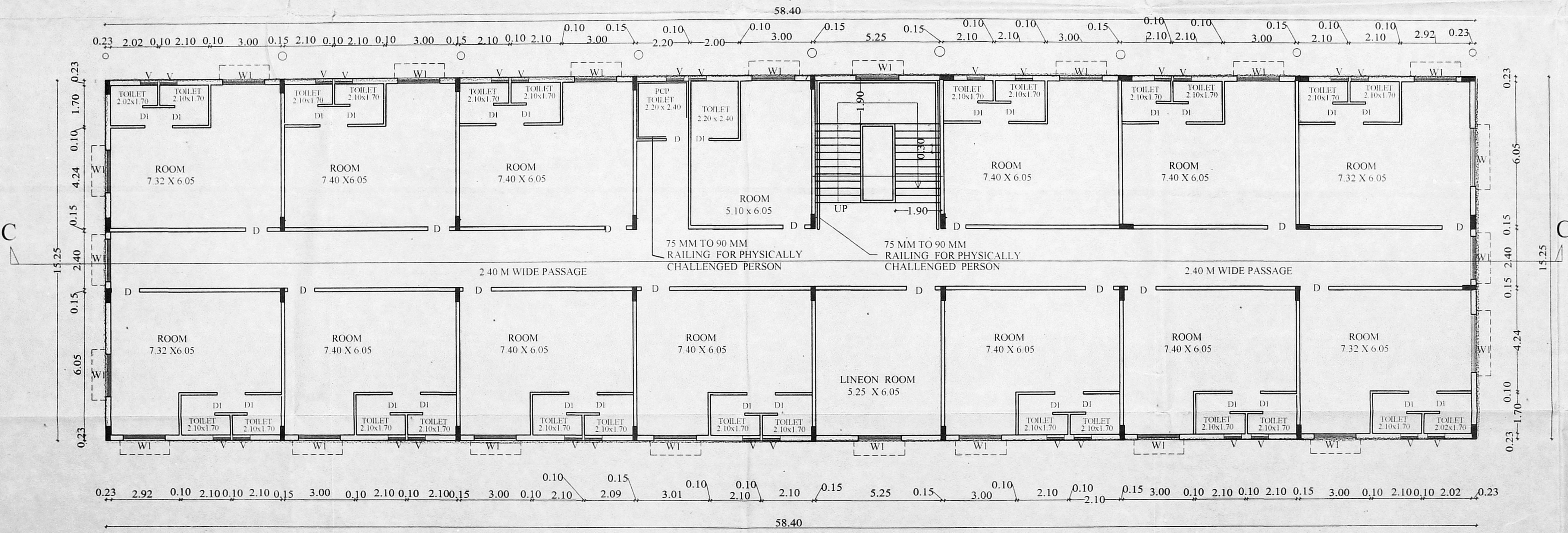
STRUCTURAL ENGINEER

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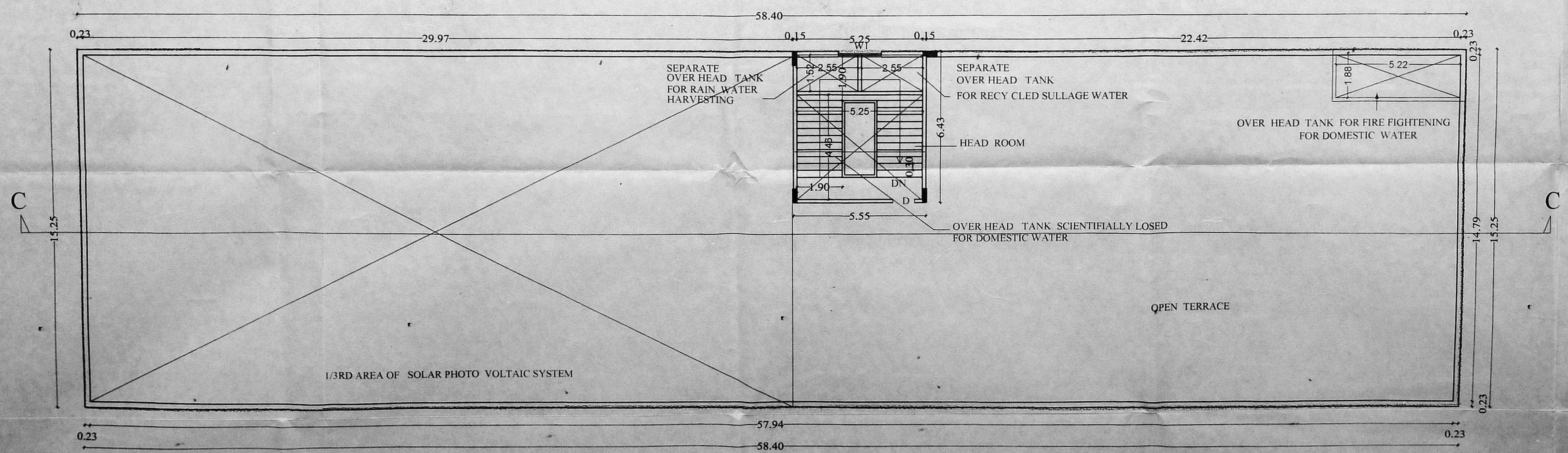
LICENSED SURVEYOR / ARCHITECT



SECTION 'CC' BLOCK - C



TYPICAL FLOOR PLAN (II, III) BLOCK - C



TERRACE FLOOR PLAN BLOCK - C

PLAN SHOWING THE PROPOSED CONSTRUCTION OF 1 BLOCK OF GROUND + 3 FLOORS OF HIGHER SECONDARY SCHOOL, 2 BLOCKS OF GROUND + 3 FLOORS OF HOSTEL BUILDING AT 10M ROAD GAINING ACCESS FROM POONAMALLE PATABHIRAM MAIN ROAD IN SURVEY NUMBER 286/3A, 3B, 287/1 & 2 (as per doc) S.NO. 286/3A1A, 3A1B, 3B1A, 3B1B, 287/1A1, 1A2, 2A, & 2B (as per patta) IN VAYALANALLUR-B VILLAGE (CHOKANALLUR), POONAMALLE PANCHAYAT UNION & POONAMALLE TALUK, TIRUVALLUR DISTRICT.

JOINERY DETAILS		
D	- DOOR	- 1.20x 2.40
D1	- DOOR	- .76 x 2.13
W	- WINDOW	- 2.40x1.50
W1	- WINDOW	- 1.80x1.50
V	- VENTILATOR	- 0.91 x0.60

SPECIFICATION	
FOUNDATION	- R.C.C COL. FOUNDATION OVER P.C.C 1:5:10
FLOORING	- MOSAIC FLOORING OVER P.C.C 1:4:8
S STRUCTURE	- BRICK WORK IN C.M 1:5 MIX.
PLASTERING	- CEMENT MORTAR IN 1:4 MIX.
ROOF SLAB	- R.C.C ROOF SLAB M25 MIX.
W COURSE	- TWO LAYERS OF PRESSED TILES OVER- -BRICK JELLY WITH LIME MORTAR.
JOINERY	- WITH BEST INDIAN TEAK WOOD.

COLOUR INDEX		S N E W SCALE 1"=8'-0"
ROAD		
PROPOSED		
SITE		

D. K. Dees
v m d n
APPLICANT

D. RAVINDRAKUMAR
Structural Engineer
Approved Name & Regd. Engineer
CC-17/BNG / CAE / VOL-19 / 2007-08
BCC/RE / 322 / E-1788 / 98-99
RDV-F 1646
STRUCTURAL ENGINEER

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