

PLAN SHOWING THE PROPOSED CONSTRUCTION OF HIGH SCHOOL BUILDING AT SRI. K.CHUNNILAL JAIN SWAMY VIVEKANANDA MATRICULATION SCHOOL 8th CROSS STREET, ANNANAGAR, CHENGALPET - 603001. IN S.NO : 197, 220, 221, 226/1 and 228/1- A, NEW T.S.NO.46/2, BLOCK -8, WARD - VI, OF MELAMIYUR VILLAGE CHENGALPET MUNICIPAL LIMIT.

SPECIFICATION

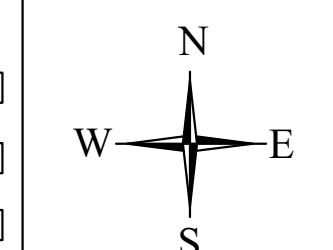
FOUNDATION	- RCC COLUMN FOOTINGS
BRICK WORK	- C.M 1:6 FOR SUPER STRUCTURE
PLASTERING	- C.M 1:5 FOR WALLS & 1:3 FOR CEILING
FLOORING	- MOSAIC FLOORING
CEMENT PAINT	- TWO COATS FOR WALLS & ONE EXTRA COAT FOR CEILING
R.C.C	- M25 GRADE FOR ALL CONCRETE WORKS
WOOD WORK	- ALL WOOD WORKS IN BEST QUALITY TIMBER
WEATHERING }	- AS PER NATIONAL BUILDING CODE COURSE

SCHEDULE OF JOINERIES	SIZES
D DOOR	1.22 X 2.13
D1 DOOR	0.91 X 2.13
D2 DOOR	0.75 X 2.13
SD SLIDING DOOR	0.90 X 2.13
W WINDOW	1.83 X 1.22
V VENTILATOR	2.61 X 0.90
V1 VENTILATOR	1.37 X 0.90
V2 VENTILATOR	0.90 X 0.90

ALL DIMENSIONS ARE IN METRE.	SCALE - 1:100
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COLOUR INDEX

PROPOSED	
BOUNDARY	
ROAD	



For VIVEKANANDA EDUCATIONAL SOCIETY

Secretary
Secretary

OWNER'S SIGNATURE

S. NAGESH
S. NAGESH, B.E. (CIVIL), M.A.Sc., F.I.E.
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NEW No. 15, 3rd CROSS STREET
KARPAGAM GARDENS, ADYAR
CHENNAI - 600 020.
Email : nagesh@somadevnagesh.in
Mobile : 98402 31666

REGISTERED STRUCTURAL ENGINEER

SIVA ANBARASAN
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M.Arch (U.S.A., England), A.I.A.,
Regd. Architect, CA/87/10769
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REGISTERE ENGINEER

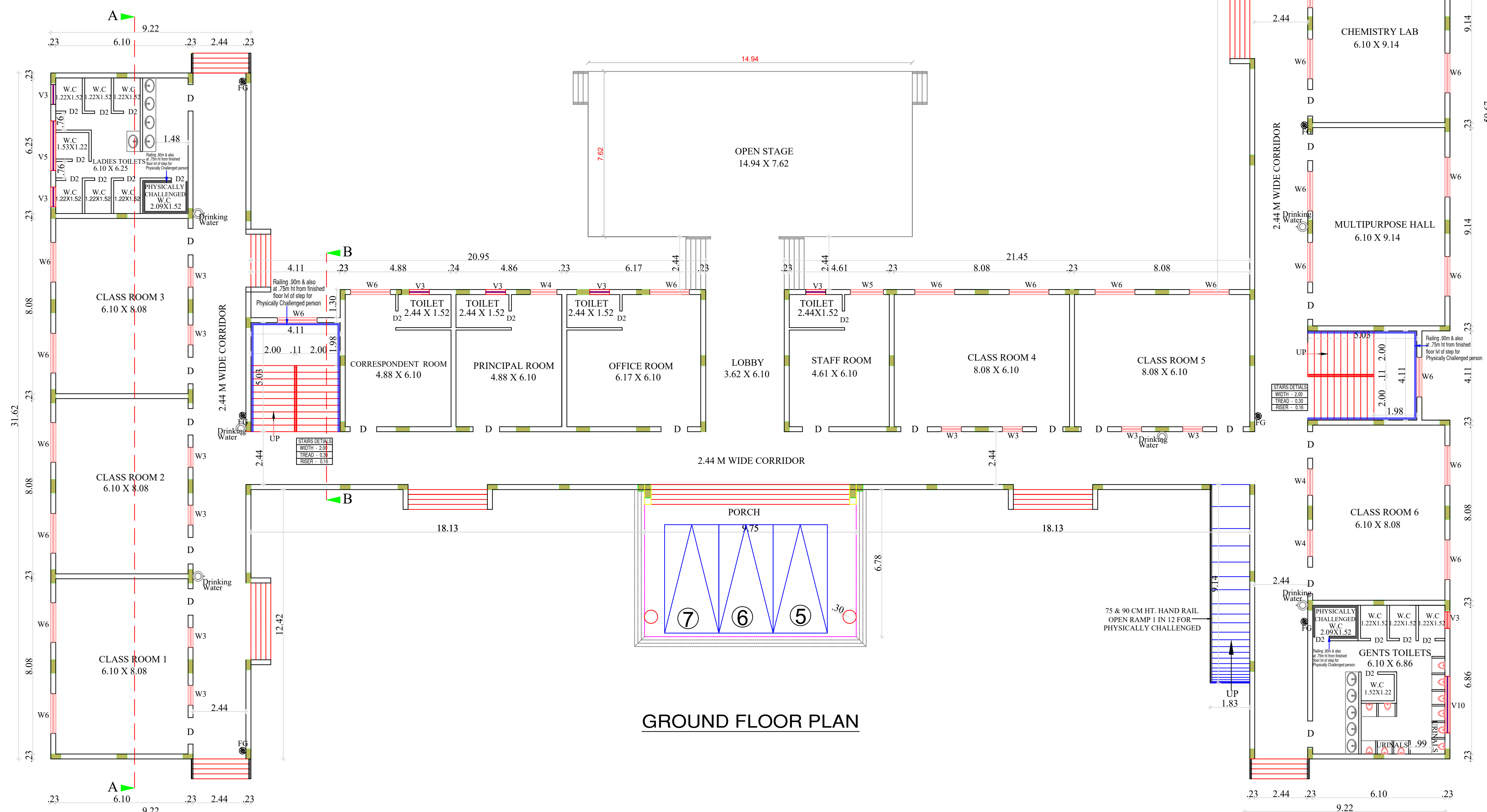
BUILDING TECHNICAL APPROVAL

ROC NO. : SWP/BPA/0003536/2022

SITE BOUNDARY SHOWN AS "A - D"

BUILDING PLANNING PERMISSION NO. :

SWP/DTCP/CHENGALPATTU/T.A.NO. 10/2023



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ANNANAGAR, CHENGALPET - 603001.
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CHENGALPET MUNICIPAL LIMIT.

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N

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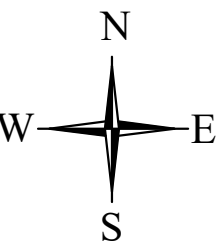
SECOND FLOOR PLAN

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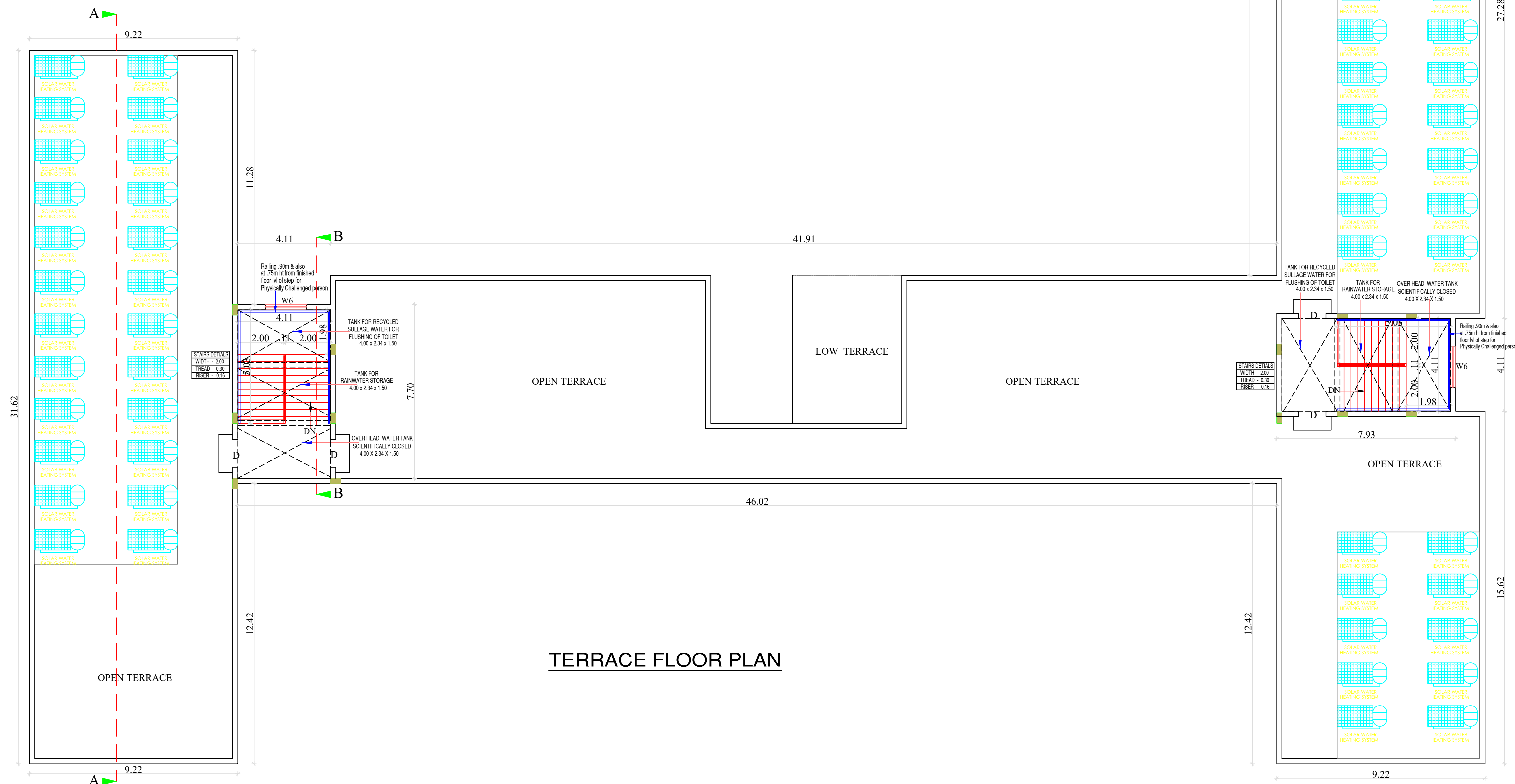
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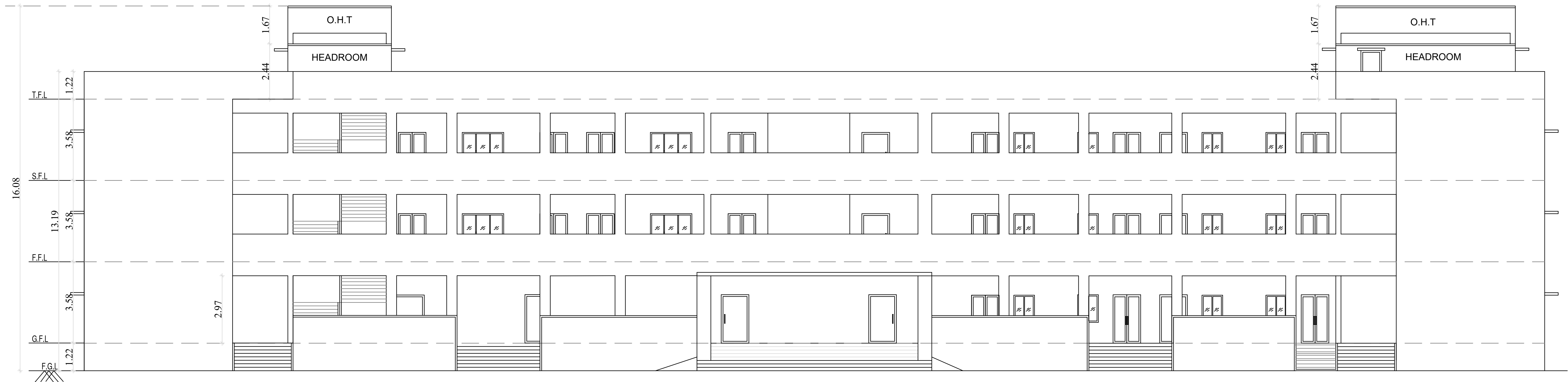
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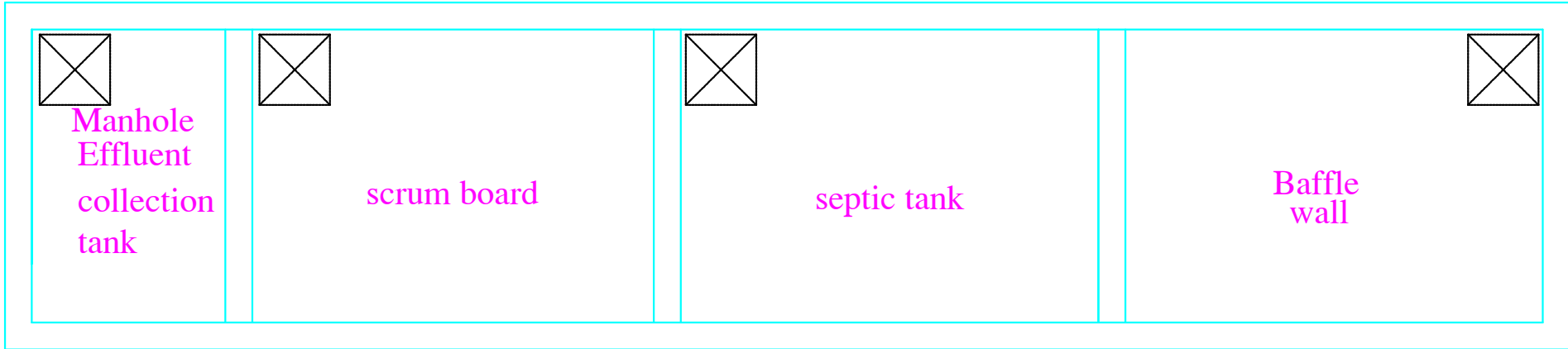




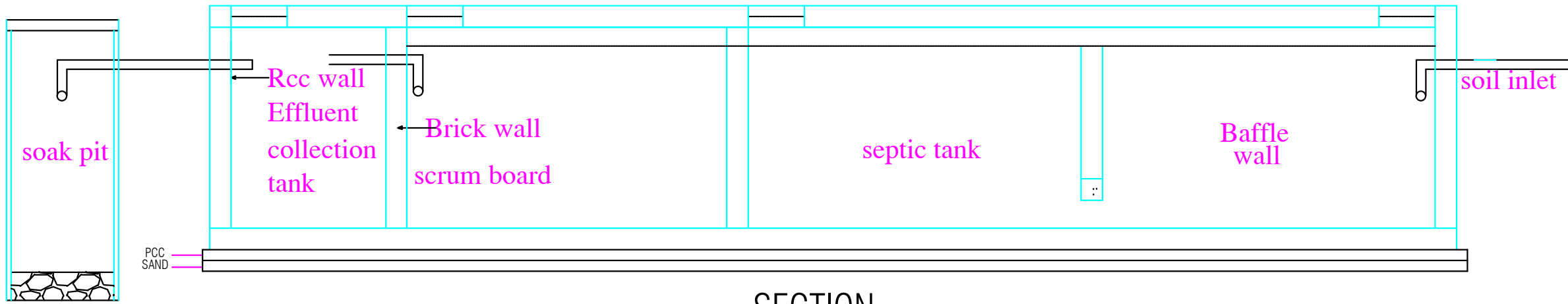
FRONT ELEVATION



SECTION - AA



PLAN OF SEPTIC TANK



SECTION

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DESIGN OF SEPTIC TANK	
No. of person	= 400
Rate of water supply	= 75LTS/DAY
Flow of sewage 400X 75	= 30000 Lts
Detention	= 12 hours
Tank capacity (30000 X 12/24)	= 15000.00Lts
Cleaning once in a year sludge storage 400 X 75	= 30000 Lts
Capacity required (30000 + 15000.00	= 45000.00 Lts.
Assume Septic tank capacity as Depth of Water	= 12 Mt.cu. = 2.0 Mt.

Free board	= 0.30 Mt.
Total Depth	= 2.30 Mt.
Area of Septic tank required (12 / 2)	= 6.0 Mt.sq.
Clear length of tank	= 6.0 Mt.
Clear width of tank	= 2.0 Mt.
Size of septic tank	= 6.0 Mt. x 2.0 Mt. x 2.0 Mt.
UP FLOW FILTER	
Discharge from septic tank	= 5213 Lts.
Width of Filter	= 2.0 Mt.
Depth of Filter	= 2.0 Mt.
Length required 5.2/(2.0 X2.0)	= 1.3 Mt.
Two Nos. of Filters Provided (Length of each Filter)	= 1.3 Mt.

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SCHEDULE OF JOINERIES	
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D1	DOOR
D2	DOOR
SD	SLIDING DOOR
W	WINDOW
V	VENTILATOR
V1	VENTILATOR
V2	VENTILATOR

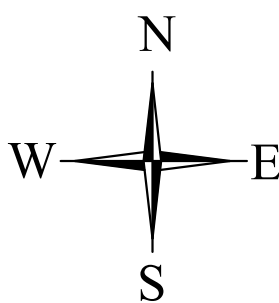
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ALL DIMENSIONS ARE IN METRE.

SCALE - 1:100

COLOUR INDEX

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BOUNDARY	☐
ROAD	☐



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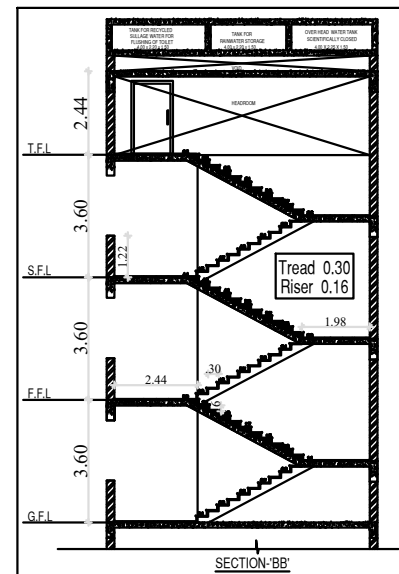
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STAIRCASE DETAIL

S.NO 222

S.NO 219

64.60 M AS PER PATTA

Well
Ø3.1m

S.NO : 220

S.NO 198

S.NO : 221

OSR - 2 AREA
285.90 SQ.MT

PLAY GROUND

EXISTING BUILDING
 (WIDE DEMOLITION SANCTIONED
 NO : 2628/2022/F1,
 DATED : 20.01.2023)

NEW T.S.NO : 46/2

S.NO : 197

106.20 M AS PER PATTA

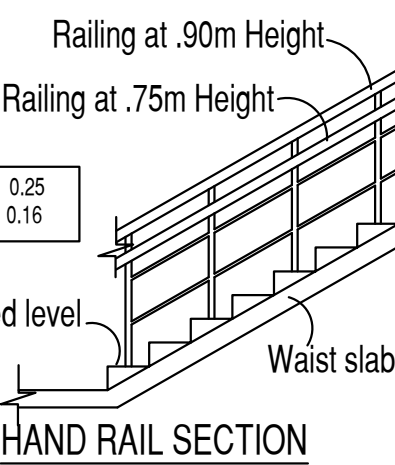
SPECIALLY CLOSED
SEPTIC TANK
2.96 X 13.00 X 2.00SPECIALLY CLOSED
SUMP FOR RAIN
WATER HARVESTING
2.40 X 2.40 X 1.50SPECIALLY CLOSED
METRO WATER SUMP
2.40 X 4.50 X 3.00
90,000 LITER CAPACITY

PROPOSED SCHOOL BUILDING

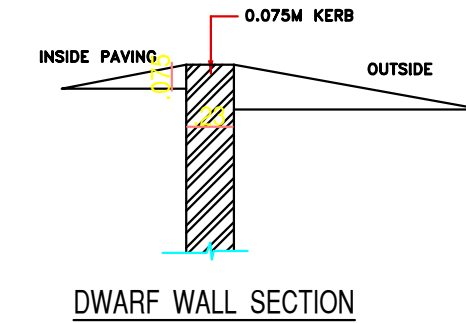
S.NO : 228 /1A

OSR - 1 AREA
660.32 SQ.MT

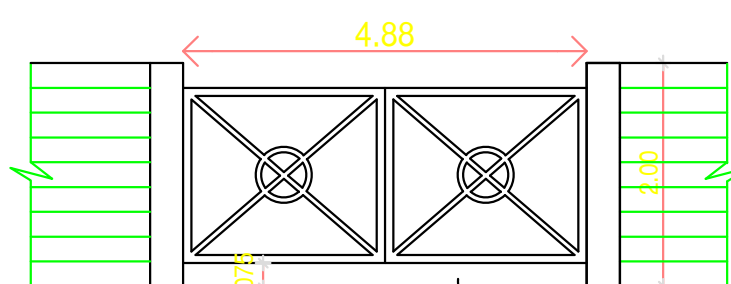
S.NO 196 /A



HAND RAIL SECTION

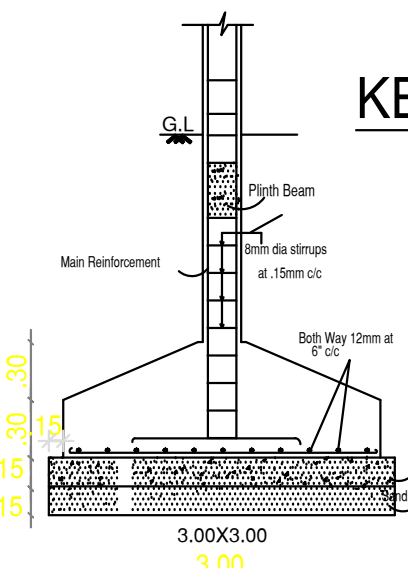


DWARF WALL SECTION

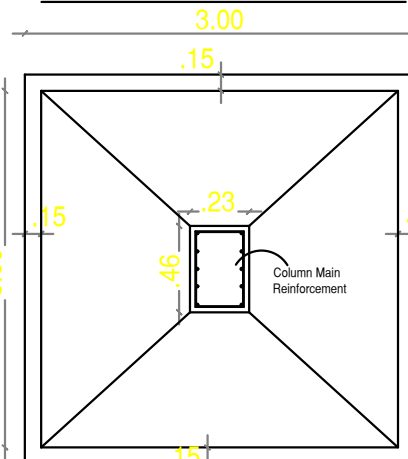


Gate Detail

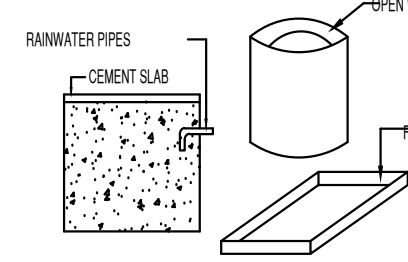
KEY PLAN (N.T.S)



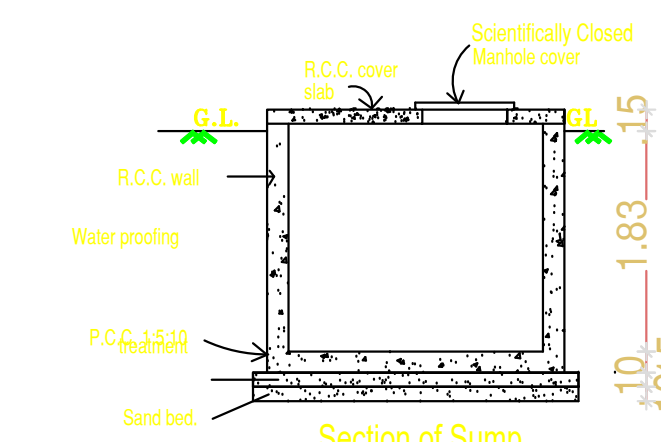
Column Foundation detail



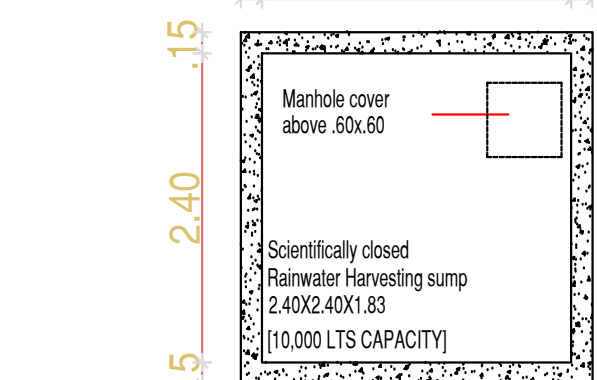
Plan of Footing



RAIN WATER HARVEST DETAILS

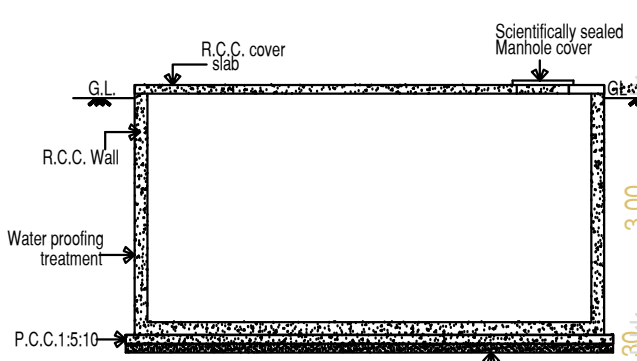


Section of Sump.



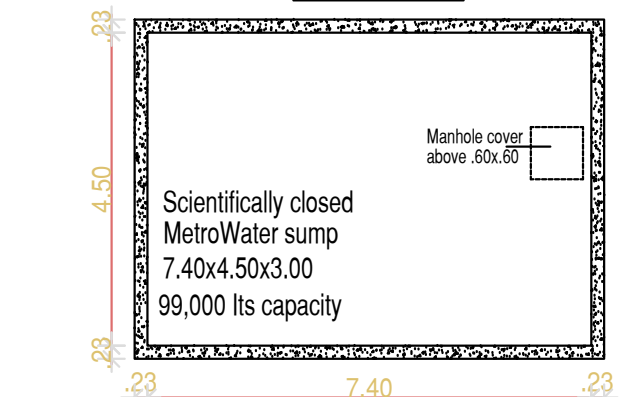
Plan of Sump.

(Rain water harvesting)



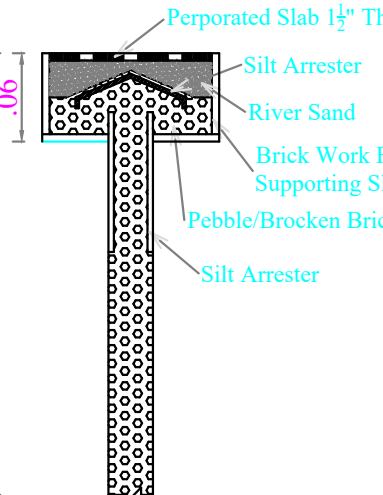
Section of Sump.

for Metro water sump



Plan of Sump

for Metro water sump



PERCOLATION PIT

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AREA STATEMENT	SQ.M
PLOT AREA (AS PER PATTA)	9430.75
10 % OSR AREA REQUIRED	943.07
OSR AREA - 1	660.32
OSR AREA - 2	285.90
TOTAL OSR AREA PROVIDED	946.22
GROUND FLOOR AREA	1316.26
FIRST FLOOR AREA	1227.22
SECOND FLOOR AREA	1120.05
TOTAL BUILDUP AREA	3663.53
FSI	0.39
PLOT COVERAGE	13.96%

SCALE : 1: 200 ALL DIMENSIONS ARE IN METER

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PARKING DETAILS	REQUIRED	PROVIDED
CAR PARKING	15	15
T.W PARKING	30	30
CYCLE PARKING	147	152

NO. OF STUDENTS BOYS - 160 NOS.
 NO. OF STUDENTS GIRLS - 155 NOS.

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REGISTRE ENGINEER

SITE PLAN (SCALE 1 : 200)