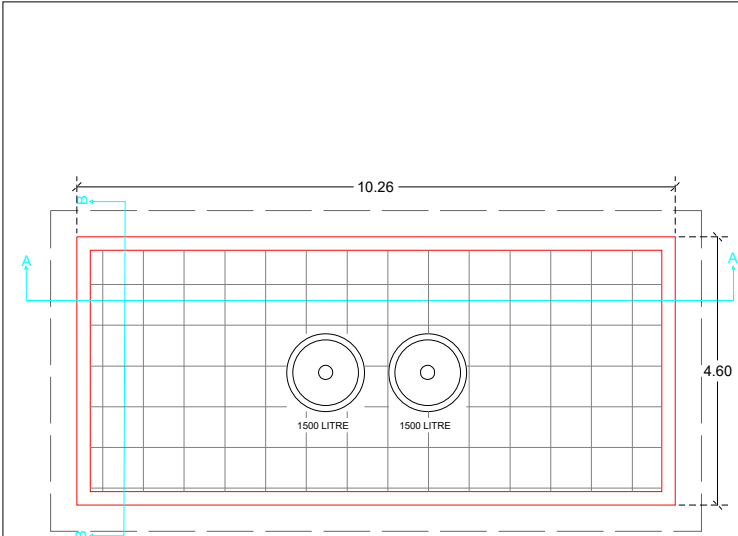
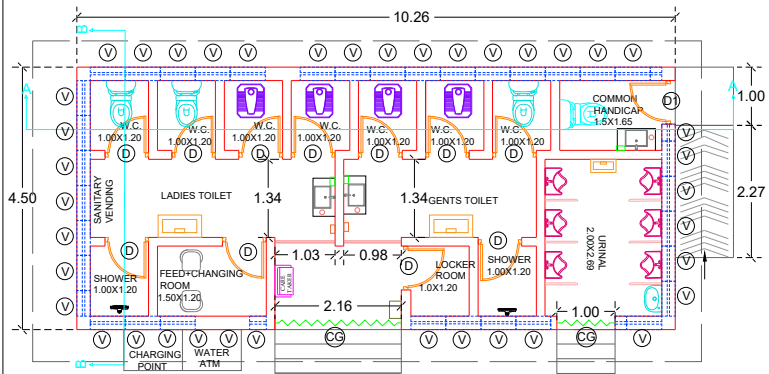
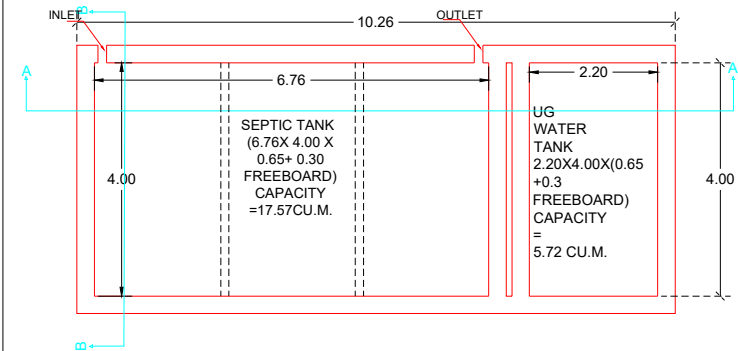




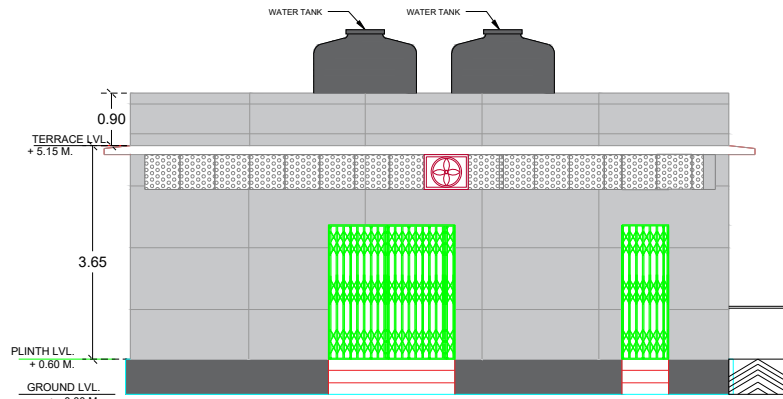
TERRACE FLOOR PLAN
(SCALE 1:100)



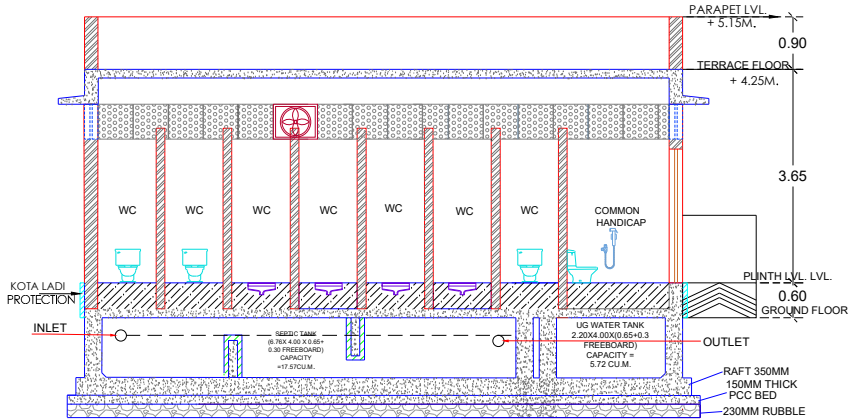
GROUND FLOOR PLAN
(SCALE 1:100)



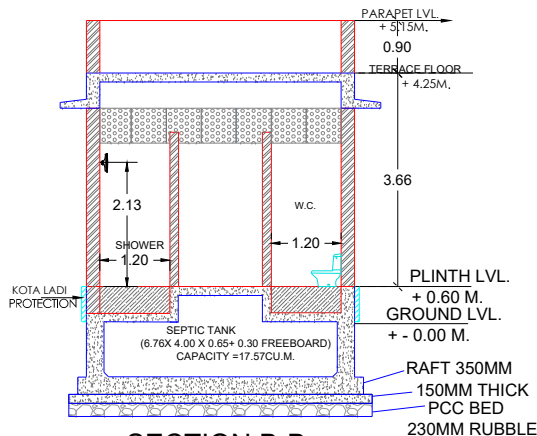
UNDERGROUND TANK PLAN
(SCALE 1:100)



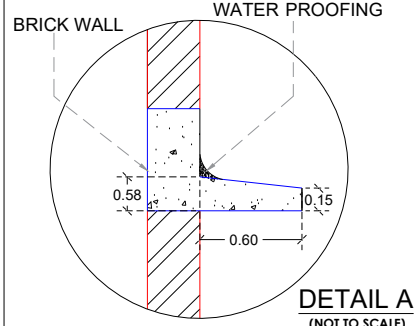
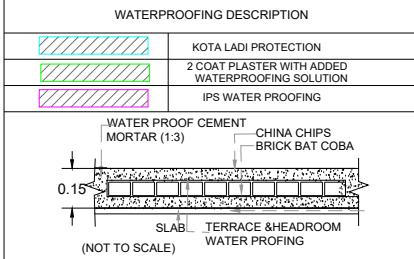
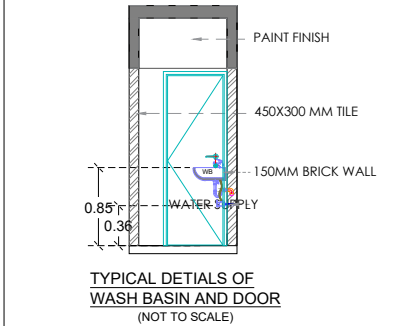
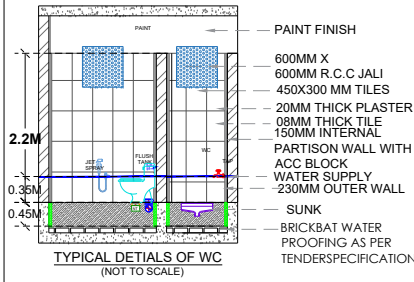
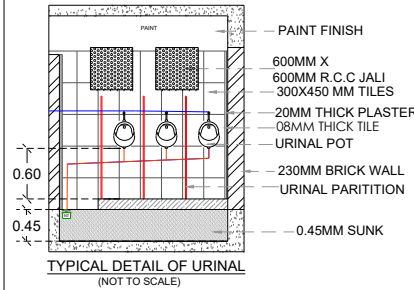
FRONT ELEVATION
(SCALE 1:100)



SECTION A-A
(SCALE 1:100)



SECTION B-B
(SCALE 1:100)



NAME	SYMBOL	NOS
HAND WASH		03
HAND DRYER		03
MIRROR		03
TISSUE PAPER		03
EXHAUST FAN		03
WATER MOTOR - HP		01
AIR FRESHENER		03

SCHEDULE OF TOILETS				
TYPE	GENTS	LADIES	COMMON HANDICAPPED	TOTAL
W.C.	03	04	01	08
SHOWER	01	01	-	02
WASHBASIN	02	01	01	04
URINAL	06	00	-	06

TANKS DESCRIPTION		
TYPE	CAPACITY	DIMENSION
UGT	7920 LITRE	2.20X4.00X0.9
SEPTIC	24330 LITRE	6.74 X4.00X0.9
OHT	3000 LITRE	- - -

SCHEDULE OF DOOR & WINDOWS			
TYPE	NOS	SIZE	DESCRIPTION
D	11	0.75 X 1.9	FRP DOOR
D1	01	1.00 X 2.30	FRP DOOR
CG	01	1.00 X 2.50	M.S. COLLAPSIBLE GATE
CG1	01	2.16 X 2.50	M.S. COLLAPSIBLE GATE
V	40	0.60 X 0.90	RCC VENTILATOR

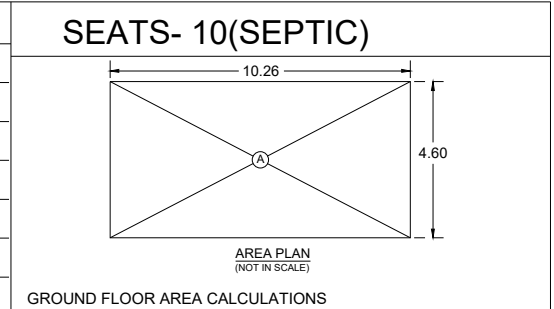
DESIGN OF SEPTIC TANK CALCULATIONS-
A). ASSUMPTIONS FOR SEPTIC TANK CALCULATION
1). NO. OF USERS PER SEAT : 10
2). SLUDGE CLEANING INTERVAL : 3 MONTHS
3). SLUDGE ACCUMULATION RATE : 0.00021 CUM PER CAPITA PER DAY
4). WASTE WATER DETENTION PERIOD : 2 DAYS
5). WASTE WATER ENTERING THE TANK : 8 LITRES PER USER
6). SCUM ACCUMULATION : 30% OF SLUDGE VOLUME
7). TOTAL CAPACITY OF SEPTIC TANK = WASTE WATER + SLUDGE + SCUM

A) WASTE WATER ENTERING IN SEPTIC TANK
= 35 × 10 = 350 USERS
= 8 × 350 = 2800 LITRES PER DAY
TOTAL CAPACITY OF SEPTIC TANK
(DETENTION PERIOD 2 DAYS)
= 2 × 2800
= 5.60 CUM (I)
B) VOLUME OF SLUDGE STORAGE
= 0.00021 × 350 × 182.5
= 13.41 CUM (II)
C) VOLUME OF SCUM
= 0.30 × 13.41 = 4.02 CUM (III)

REQUIRED TOTAL CAPACITY OF SEPTIC TANK
= 5.60 + 6.70 + 4.02 = 16.32 CUM
PROVIDED OVERALL INTERNAL SIZE OF TANK
= (6.76 × 4.00 × (0.65 + 0.30 FREEBOARD))
= 17.57 CUM I.E. OK, SAFE

B). CALCULATION FOR DESIGN OF UGWT
REQUIRED UGWT
= 560 LITRES / SEAT
= 560 × 10 = 5600 LITRES
PROVIDED UGWT
= 2.20 × 4.00 × (0.65 + 0.30 FREEBOARD)
= 5.72CUM I.E. OK, SAFE

C). CALCULATION FOR DESIGN OF OHWT
REQUIRED OHWT
= 280 LITRES / SEAT
= 280 × 10 = 2800 LITRES
PROVIDED OHWT
= 3000 LITRES I.E. OK, SAFE



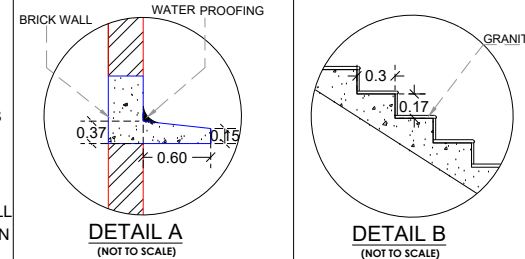
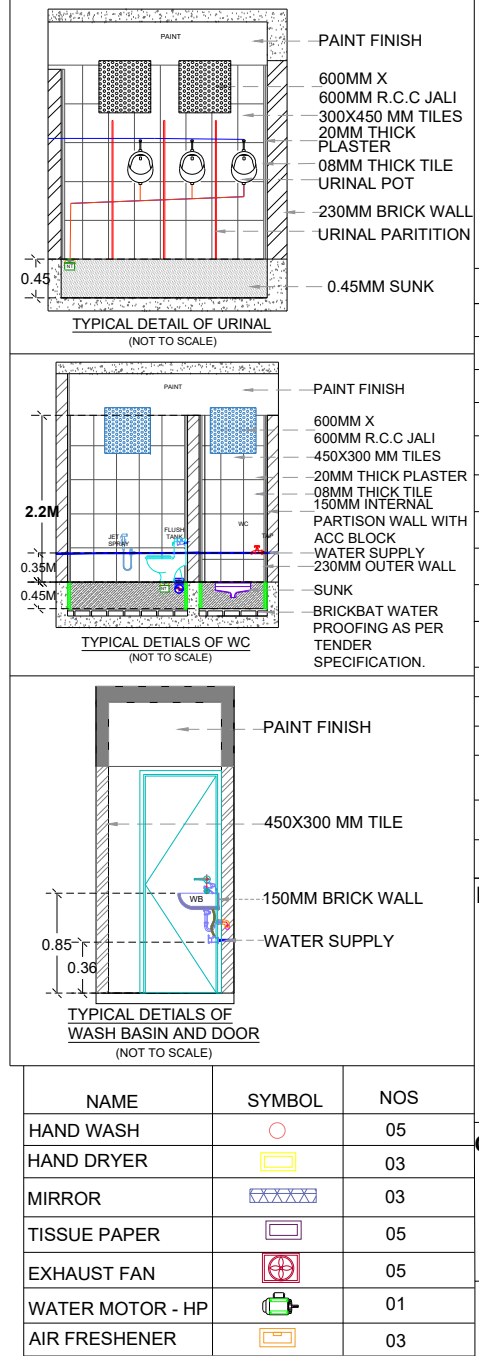
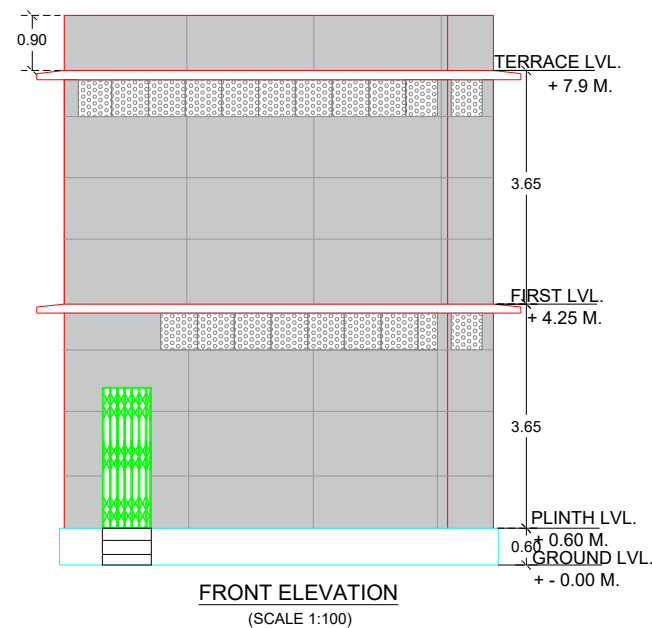
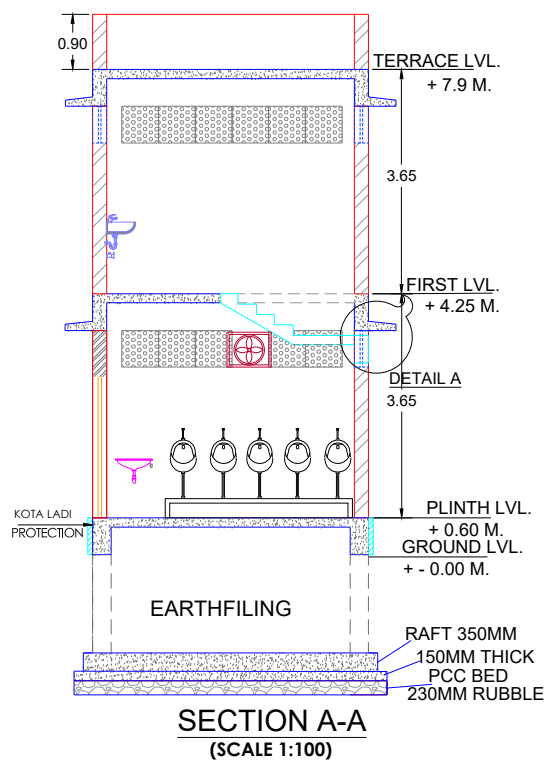
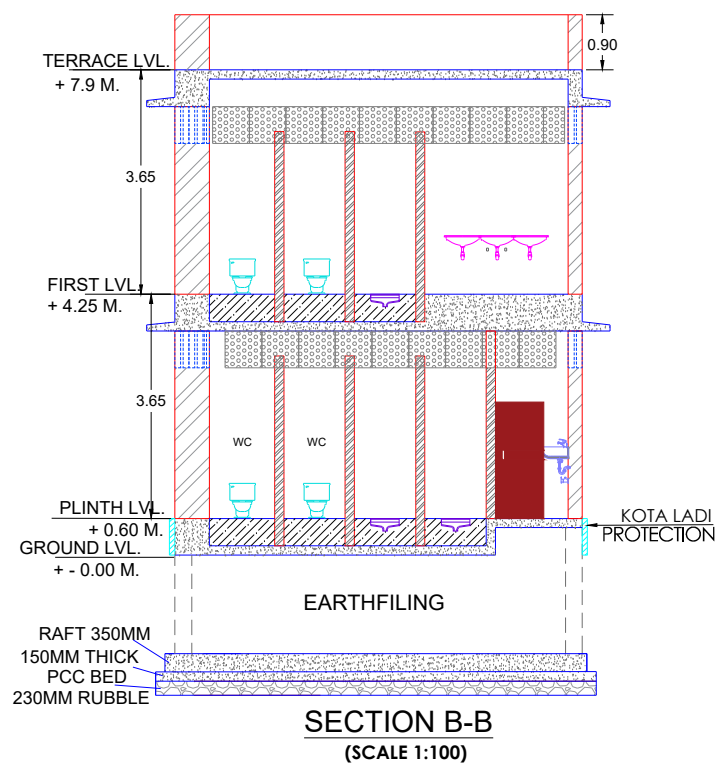
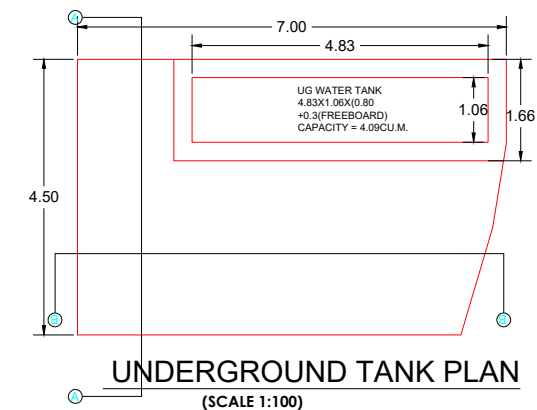
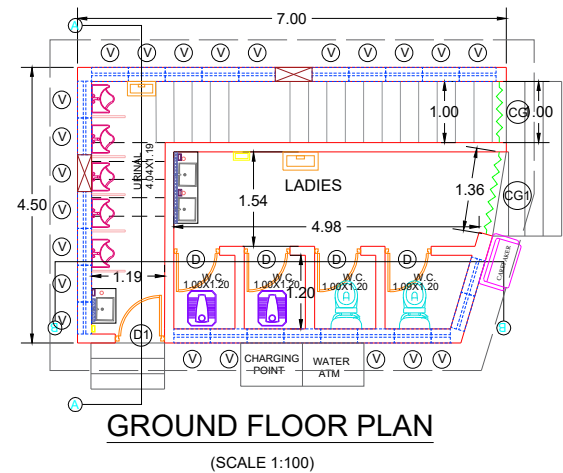
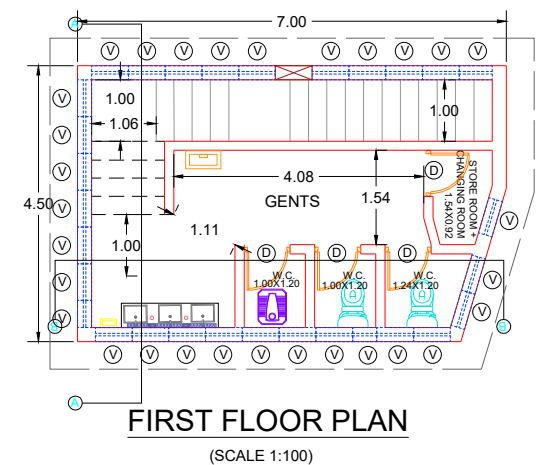
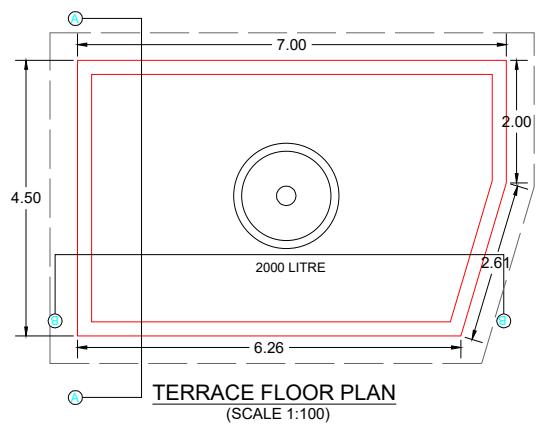
GROUND FLOOR AREA CALCULATIONS
ADDITIONS:
A = 10.26 X 4.60 X 1 = 47.19 sq.m
TOTAL = 47.19 sq.m

NOTES:
1)PROVIDING AND APPLYING FIRST COAT OF APPROVED WATER PROOF PRIMER AND TWO COATS OF WATER PROOF ACRYLIC BASED EXTERIOR PAINT AS PER SHADE APPROVED BY WARD EXECUTIVE ENGINEER.
2)PRE CONSTRUCTION ANTI-TERMITE TREATMENT TO BE PROVIDED.
3)THE COUNTER FOR THE ATTENDANT SHALL BE LOCATED TO HAVE OVERALL CONTROL WITH BLACK GRANITE.
4)ANY STATUTORY APPROVAL FROM CONCERNED AUTHORITY SHALL BE OBTAINED.
5)A RAMP SHALL BE PROVIDED FOR PHYSICALLY CHALLENGED USERS ALONGWITH M.S. RAILING.
6)THE WATER PROOFING TREATMENT TO TERRACE SHALL BE DONE WITH BRICK BAT COBA WITH CHINA MOSAIC CHIPS TOP LAYER AS PER SPECIFICATION.
7)ALL THE PLUMBING WORK SHALL BE DONE IN CHLORINATED POLYVINYL CHLORIDE (CPVC). ALL THE DRAINAGE PIPES (RAIN WATER, SOIL PIPES AND VENT PIPES) & FITTINGS OF UPVC OF ISI MARK SHALL BE USED.
8)THE INSPECTION CHAMBERS SHALL BE CONSTRUCTED AS PER SPECIFICATION.
9)PLINTH PROTECTION FOR AVERAGE WIDTH OF 1.0 METER AROUND THE PERIPHERY OF THE TOILET BLOCK SHALL BE PROVIDED WITH 230MM DRY RUBBLE PACKING AND 100MM THICK IN M15 GRADE CONCRETE WITH ROUGH KOTA STONE FLOORING.
10)POLISHED KOTA STONE TILES TO A HEIGHT OF 0.75 M ABOVE THE GROUND LEVEL SHALL BE PROVIDED TO TERRACE LEVEL EXTERNAL WALLS ALL ALONG THE EXTERNAL PERIPHERY OF THE TOILET BLOCK.
11)PROPER VENT ARRANGEMENT SHALL BE PROVIDED TO SEPTIC TANK BY FIXING VENT PIPES UPTO TERRACE LEVEL.
12)INTERCEPTING TRAP CHAMBER SHALL BE PROVIDED BEFORE CONNECTING THE TOILET BLOCK TO THE MAIN SEWER LINE.
13)FOR G+1 STRUCTURE RCC STAIRCASE SHALL BE PROVIDED WITH HEADROOM.
14)GROUND FLOOR STRUCTURE MS LADDER SHALL BE PROVIDED EXTERNALLY FOR ACCESS TO TERRACE.
15)EXTERNAL PLASTER 20 MM THK IN TWO COATS IN 1:4 C.M. WITH ADDITIONAL WATERPROOFING.
16)INTERNAL SAND FACE 20MM THICK PLASTER INSIDE & OUTSIDE OF UG TANK & SEPTIC TANK.
17)GRANITE STONE SHALL BE LAID FOR FLOORING IN PASSAGE & STAIRCASE.
18)LIGHT COLORED GLAZED CERAMIC TILES FOR DADO UPTO 2.2 M HEIGHT.
19)URINAL PARTITION OF 0.75 × 1.8 M IN GREEN MARBLE.
20)ALL DIMENSIONS ARE IN METER.
21)LOADING OF ACP PANEL IN FRONT OF SIZE 2440MM × 1220MM × 0.25MM.
22)CHARGING POINT & WATER ATM WILL BE DONE AS PER SITE CONDITION AT THE TIME OF EXECUTION
23)THE INLET AND THE OUTLET OF THE SEPTIC TANK WILL VARY AS PER SITE CONDITIONS

SIGN & STAMP :		
SIGNATURES		
S.E.	A.E.	EX.ENGG.
DRAWING INFORMATION		
TITLE	ARCHITECTURAL PLAN	
CONTENTS OF DRAWING	CONSTRUCTION OF ASPIRATIONAL / PUBLIC TOILET BLOCK	
SITE NAME	BELOW MRUNALTAI GORE FLYOVER	
REVISIONS	R1 -	DATE/26.06.2026
	R2 -	DATE
	R3 -	DATE
SCALE-1:100	DRY.BY:NAZIR	CHK.BY:-----
CLIENT: BRIHANMUMBAI MUNICIPAL CORPORATION (BMC).		

DRAWING INFORMATION		
TITLE	ARCHITECTURAL PLAN	
CONTENTS OF DRAWING	CONSTRUCTION OF ASPIRATIONAL / PUBLIC TOILET BLOCK	
SITE NAME	BELOW MRUNALTAI GORE FLYOVER	
REVISIONS	R1 -	DATE/26.06.2026
	R2 -	DATE
	R3 -	DATE
SCALE-1:100	DRY.BY:NAZIR	CHK.BY:-----
CLIENT: BRIHANMUMBAI MUNICIPAL CORPORATION (BMC).		

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AN ISO 9001:2015 CERTIFIED COMPANY,
(ARCHITECTURAL & STRUCTURAL CONSULTANTS),
34-C, FILM CENTRE BUILDING, 3RD FLOOR, TARDEO
ROAD,JANTA NAGAR, TARDEO, MUMBAI - 400 034.
EMAIL: INFO@JIWANIGROUP.IN TEL: 022 23861906.



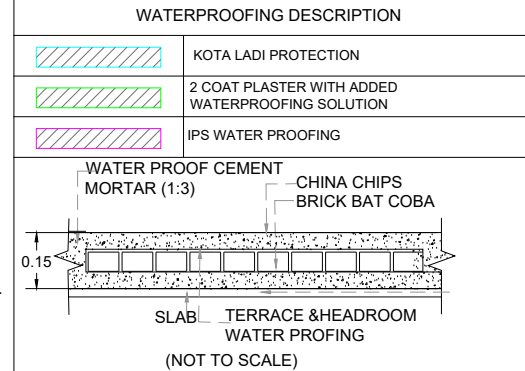
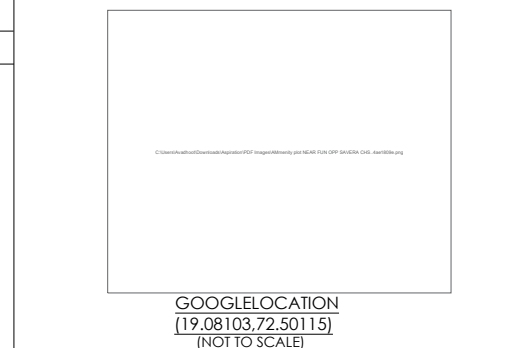
SCHEDULE OF TOILETS				
TYPE	GENTS	LADIES	COMMON HANDICAPPED	TOTAL
W.C.	03	04	00	07
SHOWER	00	00	-	00
WASHBASIN	04	02	00	06
URINAL	05	00	-	05

TANKS DESCRIPTION		
TYPE	CAPACITY	DIMENSION
UGT	4090 LITRE	4.83 x 1.06 x 0.80
OHT	2000 LITRE	- - -

SCHEDULE OF DOOR & WINDOWS			
TYPE	NOS	SIZE	DESCRIPTION
D	08	0.75 X 1.9	FRP DOOR
D1	01	1.00 X 2.30	FRP DOOR
CG	01	1.00X 2.50	M.S. COLLAPSIBLE GATE
CG1	01	1.36 X 2.50	M.S. COLLAPSIBLE GATE
V	59	0.60 X 0.90	RCC VENTILATOR

B).CALCULATION FOR DESIGN OF UGWT
REQUIRED UGWT = 560 LIT/SEAT
=560 x 07=3.92LITRE
PROVIDED UGWT IS
=4.83x1.06x0.80+ 0.3 FREEBOARD)
=4.09x 1000
= 4090 LITREle. OK SAFE.

C).CALCULATION FOR DESIGN OF OHWT
REQUIRED OHWT = 280 LIT/SEAT
=280 LIT X 07
=1960 LITRE
PROVIDED OHWT IS 2000 LITRE ...le OK SAFE



SEATS- 07(SEWER)

GROUND FLOOR AREA CALCULATIONS

ADDITIONS:
A = 30.57 sq.m

FIRST FLOOR AREA CALCULATIONS

ADDITIONS:
B = 30.57 sq.m

TOTAL = 61.14 sq. m.

NOTES:

1)PROVIDING AND APPLYING FIRST COAT OF APPROVED WATER PROOF PRIMER AND TWO COATS OF WATER PROOF ACRYLIC BASED EXTERIOR PAINT AS PER SHADE APPROVED BY WARD EXECUTIVE ENGINEER.
2)PRE CONSTRUCTION ANTI-TERMITE TREATMENT TO BE PROVIDED.
3)THE COUNTER FOR THE ATTENDANT SHALL BE LOCATED TO HAVE OVERALL CONTROL.
4)ANY STATUTORY APPROVAL FROM CONCERNED AUTHORITY SHALL BE OBTAINED.
5)A RAMP SHALL BE PROVIDED FOR PHYSICALLY CHALLENGED USERS ALONGWITH M.S. RAILING.
6)THE WATER PROOFING TREATMENT TO TERRACE SHALL BE DONE WITH BRICK BAT COBA WITH CHINA MOSAIC CHIPS TOP LAYER AS PER SPECIFICATION.
7)ALL THE PLUMBING WORK SHALL BE DONE IN CHLORINATED POLYVINYL CHLORIDE (CPVC). ALL THE DRAINAGE PIPES (RAIN WATER, SOIL PIPES AND VENT PIPES) & FITTINGS OF UPVC OF ISI MARK SHALL BE USED.
8)THE INSPECTION CHAMBERS SHALL BE CONSTRUCTED AS PER SPECIFICATION.
9)PLINTH PROTECTION FOR AVERAGE WIDTH OF 1.0 METER AROUND THE PERIPHERY OF THE TOILET BLOCK SHALL BE PROVIDED WITH 230MM DRY RUBBLE PACKING AND 100MM THICK IN M15 GRADE CONCRETE WITH ROUGH KOTA STONE FLOORING.
10)POLISHED KOTA STONE TILES TO A HEIGHT OF 0.75 M ABOVE THE GROUND LEVEL SHALL BE PROVIDED TO TERRACE LEVEL EXTERNAL WALLS ALL ALONG THE EXTERNAL PERIPHERY OF THE TOILET BLOCK.
11)PROPER VENT ARRANGEMENT SHALL BE PROVIDED TO SEPTIC TANK BY FIXING VENT PIPES UPTO TERRACE LEVEL.
12)INTERCEPTING TRAP CHAMBER SHALL BE PROVIDED BEFORE CONNECTING THE TOILET BLOCK TO THE MAIN SEWER LINE.
13)FOR G+1 STRUCTURE RCC STAIRCASE SHALL BE PROVIDED WITH HEADROOM.
14)GROUND FLOOR STRUCTURE MS LADDER SHALL BE PROVIDED EXTERNALLY FOR ACCESS TO TERRACE.
15)EXTERNAL PLASTER 20 MM THK IN TWO COATS IN 1:4 C.M. WITH ADDITIONAL WATERPROOFING.
16)INTERNAL SAND FACE 20MM THICK PLASTER INSIDE & OUTSIDE OF UG TANK & SEPTIC TANK.
17)GRANITE STONE SHALL BE LAID FOR FLOORING IN PASSAGE & STAIRCASE.
18)LIGHT COLORED GLAZED CERAMIC TILES FOR DADO UPTO 2.2 M HEIGHT.
19)URINAL PARTITION OF 0.75 x 1.8 M IN GREEN MARBLE.
20)ALL DIMENSIONS ARE IN METER.
21)CLADDING OF ACP PANEL IN FRONT OF SIZE 2440MM x 1220MM x 0.25MM.

SIGN & STAMP :

SIGNATURES

S.E.	A.E.	EX.ENGG.
------	------	----------

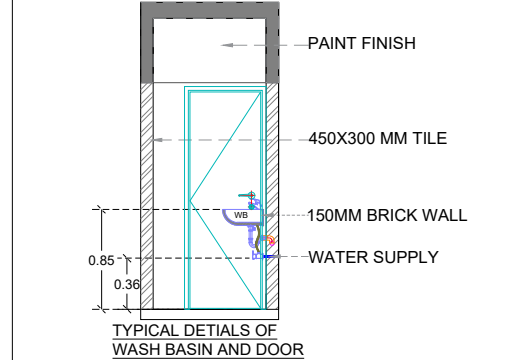
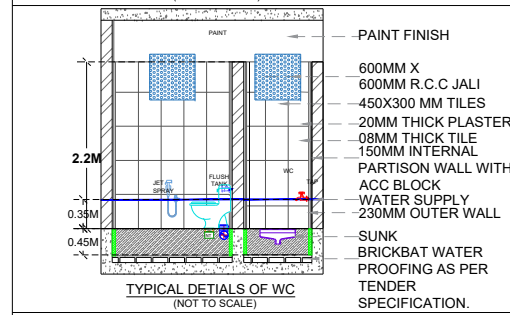
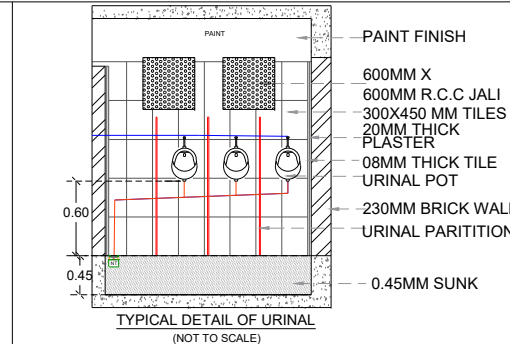
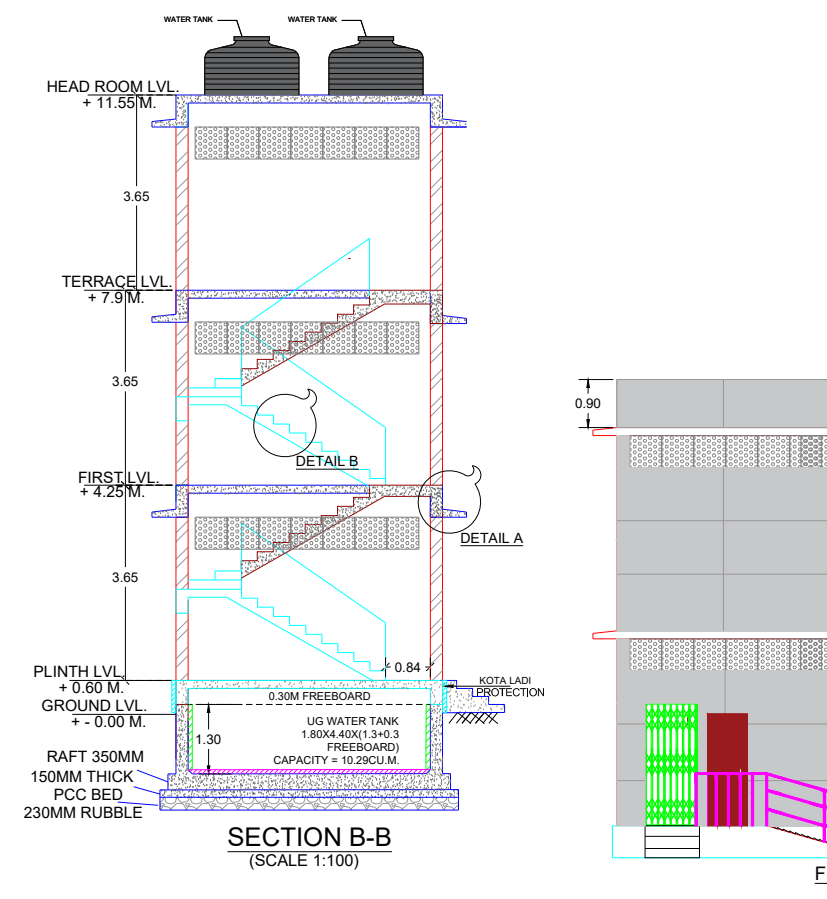
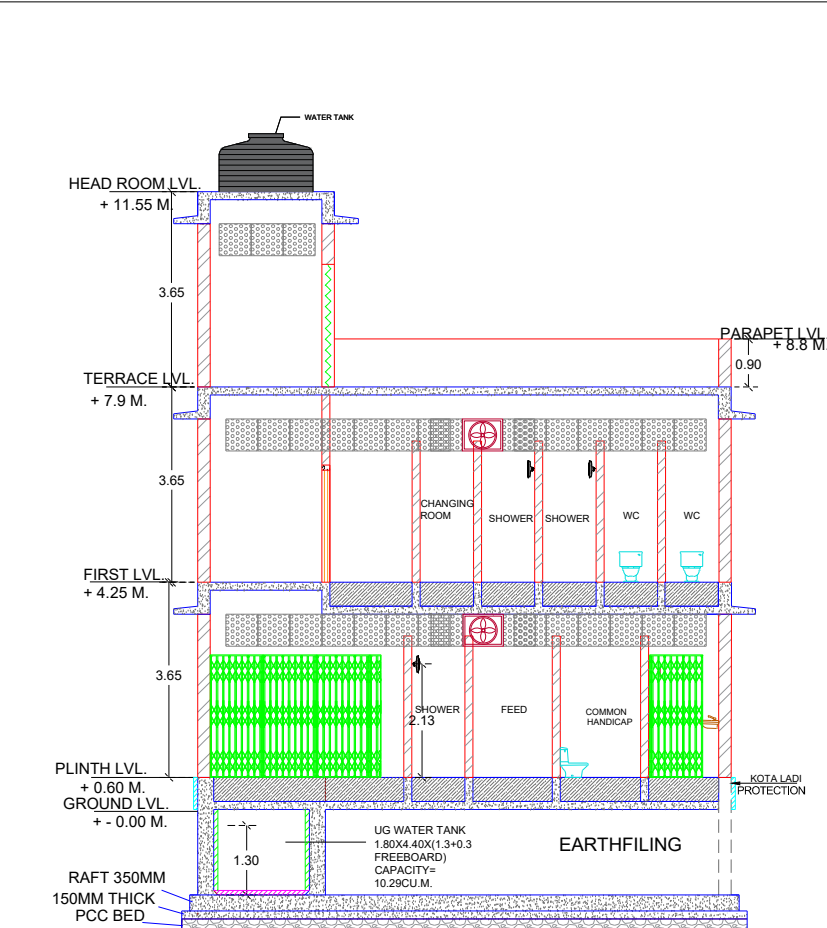
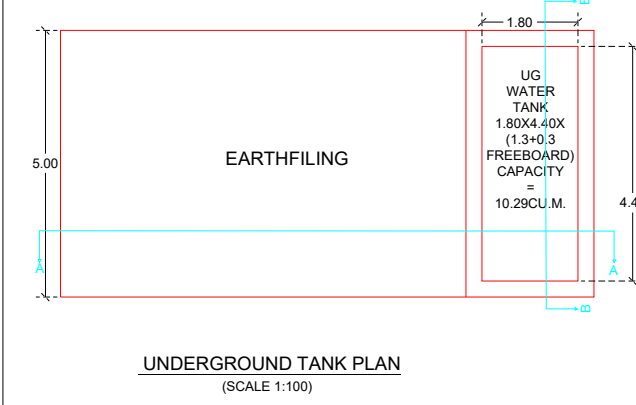
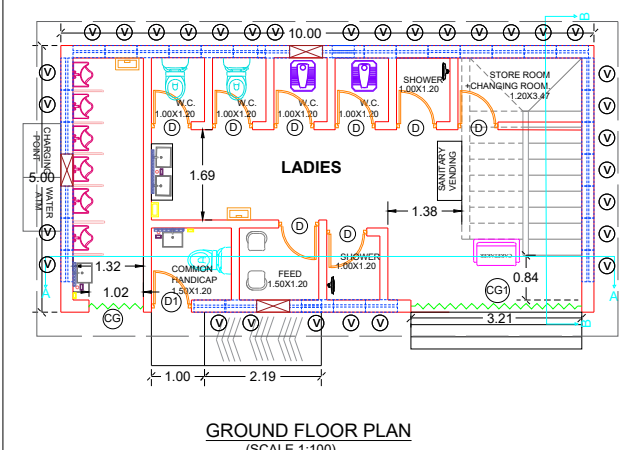
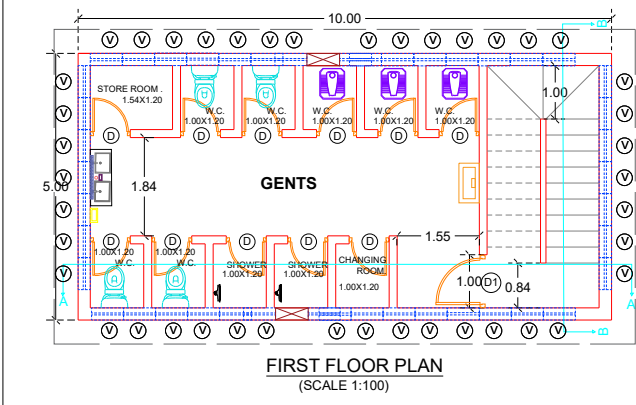
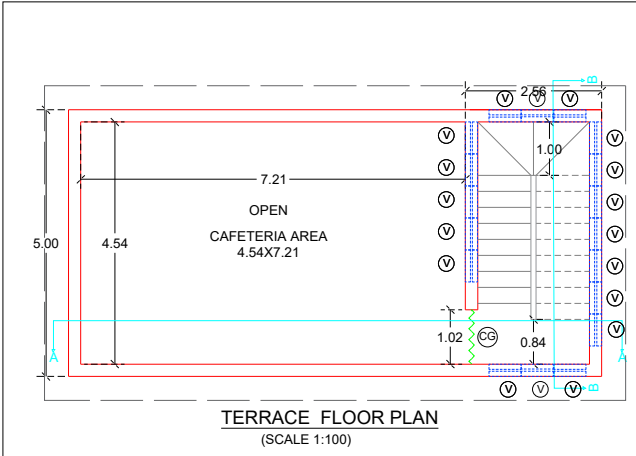
DRAWING INFORMATION

TITLE	ARCHITECTURAL PLAN
CONTENTS OF DRAWING	CONSTRUCTION OF ASPIRATIONAL / PUBLIC TOILET BLOCK
SITE NAME	AMENITY PLOT NEAR FUN REPUBLIC , OPP SAVERA CHS
REVISIONS	R1 - DATE/26.06.2026 R2 - DATE R3 - DATE
SCALE-1:100	DRY.BY:NAZIR
CHK.BY:-----	

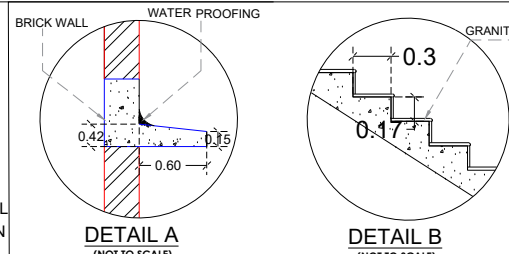
CLIENT: BRIHANMUMBAI MUNICIPAL CORPORATION (BMC).

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EMAIL: INFO@JIWANIGROUP.IN TEL: 022 23861906.



NAME	SYMBOL	NOS
HAND WASH		04
HAND DRYER		04
MIRROR		04
TISSUE PAPER		04
EXHAUST FAN		05
WATER MOTOR - HP		01
AIR FRESHENER		03

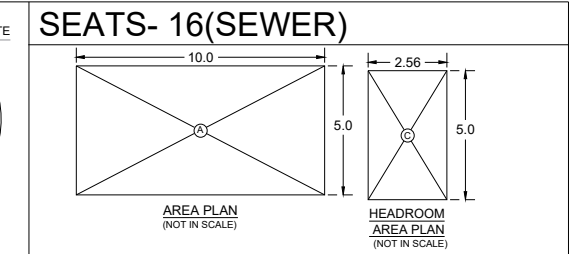
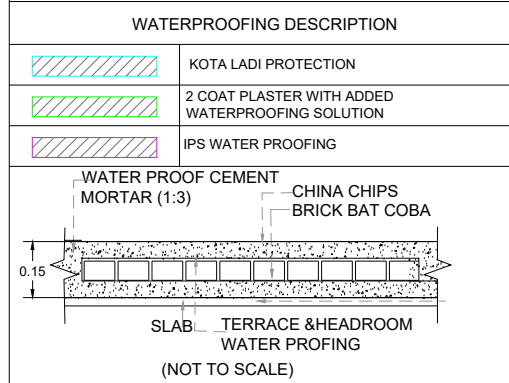
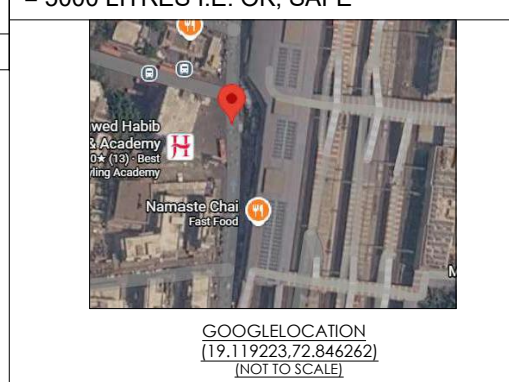


SCHEDULE OF TOILETS				
TYPE	GENTS	LADIES	COMMON HANDICAPPED	TOTAL
W.C.	07	04	01	12
SHOWER	02	02	-	04
WASHBASIN	03	02	01	06
URINAL	06	00	-	06

TANKS DESCRIPTION		
TYPE	CAPACITY	DIMENSION
UGT	10290 LITRE	1.8x 4.40 x 1.3
OHT	5000 LITRE	- - -

SCHEDULE OF DOOR & WINDOWS			
TYPE	NOS	SIZE	DESCRIPTION
D	19	0.75 X 1.9	FRP DOOR
D1	02	1.00 X 2.30	FRP DOOR
CG	02	1.02 X 2.50	M.S. COLLAPSIBLE GATE
CG1	01	3.21 X 2.50	M.S. COLLAPSIBLE GATE
V	105	0.60 X 0.90	RCC VENTILATOR

B). CALCULATION FOR DESIGN OF UGWT
REQUIRED UGWT
= 560 LITRES / SEAT
= 560 x 16= 8.96 LITRES
PROVIDED UGWT
= 1.80 x 4.40 x (1.30 + 0.30 FREEBOARD)
= 10.29 CUM I.E. OK, SAFE
C). CALCULATION FOR DESIGN OF OHWT
REQUIRED OHWT
= 280 LITRES / SEAT
= 280 x 16 = 4480 LITRES
PROVIDED OHWT
= 5000 LITRES I.E. OK, SAFE



GROUND FLOOR AREA CALCULATIONS	
ADDITIONS:	
A = 10.0 X 5.0 X 1	= 50.0 sq.m
FIRST FLOOR AREA CALCULATIONS	
A = 10.0 X 5.0 X 1	= 50.0 sq.m
HEADROOM AREA CALCULATIONS	
C = 2.56 X 5.0 X 1	= 12.08 sq.m
TOTAL = 112.08 sq.m	

NOTES:
1)PROVIDING AND APPLYING FIRST COAT OF APPROVED WATER PROOF PRIMER AND TWO COATS OF WATER PROOF ACRYLIC BASED EXTERIOR PAINT AS PER SHADE APPROVED BY WARD EXECUTIVE ENGINEER.
2)PRE CONSTRUCTION ANTI-TERMITE TREATMENT TO BE PROVIDED.
3)THE COUNTER FOR THE ATTENDANT SHALL BE LOCATED TO HAVE OVERALL CONTROL WITH BLACK GRANITE.
4)ANY STATUTORY APPROVAL FROM CONCERNED AUTHORITY SHALL BE OBTAINED.
5)A RAMP SHALL BE PROVIDED FOR PHYSICALLY CHALLENGED USERS ALONGWITH M.S. RAILING.
6)THE WATER PROOFING TREATMENT TO TERRACE SHALL BE DONE WITH BRICK BAT COBA WITH CHINA MOSAIC CHIPS TOP LAYER AS PER SPECIFICATION.
7)ALL THE PLUMBING WORK SHALL BE DONE IN CHLORINATED POLYVINYL CHLORIDE (CPVC) ALL THE DRAINAGE PIPES (RAIN WATER, SOIL PIPES AND VENT PIPES) & FITTINGS OF UPVC OF ISI MARK SHALL BE USED.
8)THE INSPECTION CHAMBERS SHALL BE CONSTRUCTED AS PER SPECIFICATION.
9)PLINTH PROTECTION FOR AVERAGE WIDTH OF 1.0 METER AROUND THE PERIPHERY OF THE TOILET BLOCK SHALL BE PROVIDED WITH 230MM DRY RUBBLE PACKING AND 100MM THICK IN M15 GRADE CONCRETE WITH ROUGH KOTA STONE FLOORING.
10)POLISHED KOTA STONE TILES TO A HEIGHT OF 0.75 M ABOVE THE GROUND LEVEL SHALL BE PROVIDED TO TERRACE LEVEL EXTERNAL WALLS ALL ALONG THE EXTERNAL PERIPHERY OF THE TOILET BLOCK.
11)PROPER VENT ARRANGEMENT SHALL BE PROVIDED TO SEPTIC TANK BY FIXING VENT PIPES UPTO TERRACE LEVEL.
12)INTERCEPTING TRAP CHAMBER SHALL BE PROVIDED BEFORE CONNECTING THE TOILET BLOCK TO THE MAIN SEWER LINE.
13)FOR G+1 STRUCTURE RCC STAIRCASE SHALL BE PROVIDED WITH HEADROOM.
14)GROUND FLOOR STRUCTURE MS LADDER SHALL BE PROVIDED EXTERNALLY FOR ACCESS TO TERRACE.
15)EXTERNAL PLASTER 20 MM THK IN TWO COATS IN 1:4 C.M. WITH ADDITIONAL WATERPROOFING.
16)INTERNAL SAND FACE 20MM THICK PLASTER INSIDE & OUTSIDE OF UG TANK & SEPTIC TANK.
17)GRANITE STONE SHALL BE LAID FOR FLOORING IN PASSAGE & STAIRCASE.
18)LIGHT COLORED GLAZED CERAMIC TILES FOR DADO UPTO 2.2 M HEIGHT.
19)URINAL PARTITION OF 0.75 x 1.8 M IN GREEN MARBLE.
20)ALL DIMENSIONS ARE IN METER.
21)CLADDING OF ACP PANEL IN FRONT OF SIZE 2440MM x 1220MM x 0.25MM.
22)CHARGING POINT & WATER ATM WILL BE DONE AS PER SITE CONDITION AT THE TIME OF EXECUTION

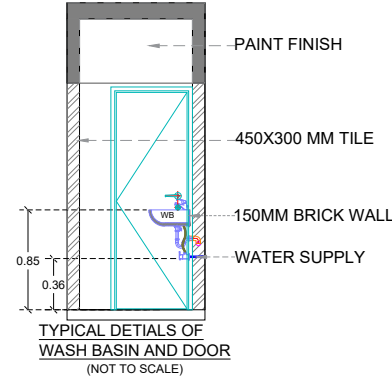
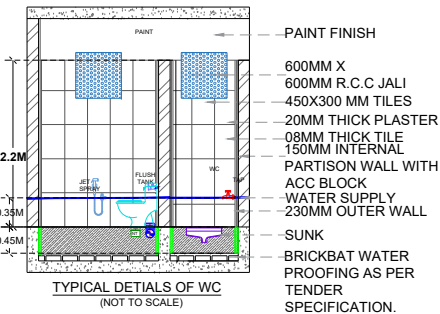
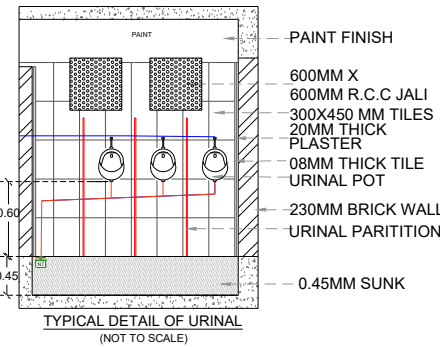
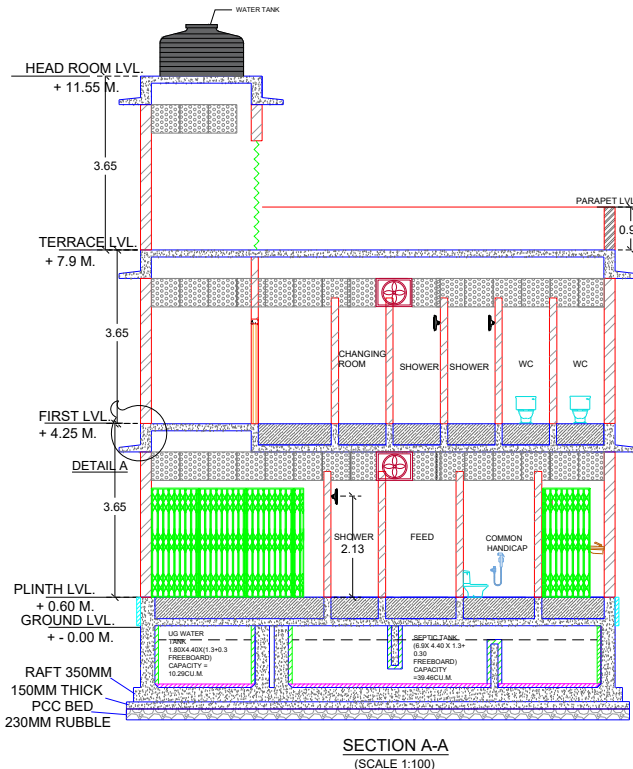
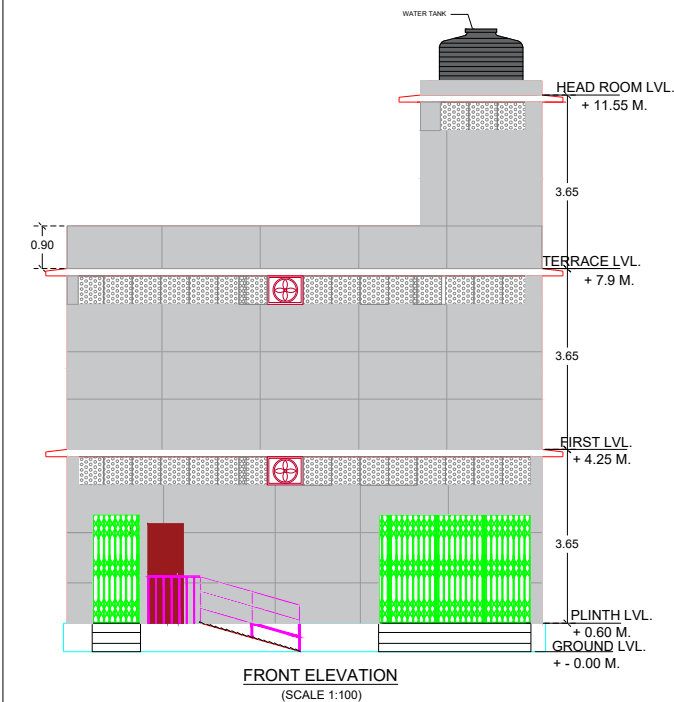
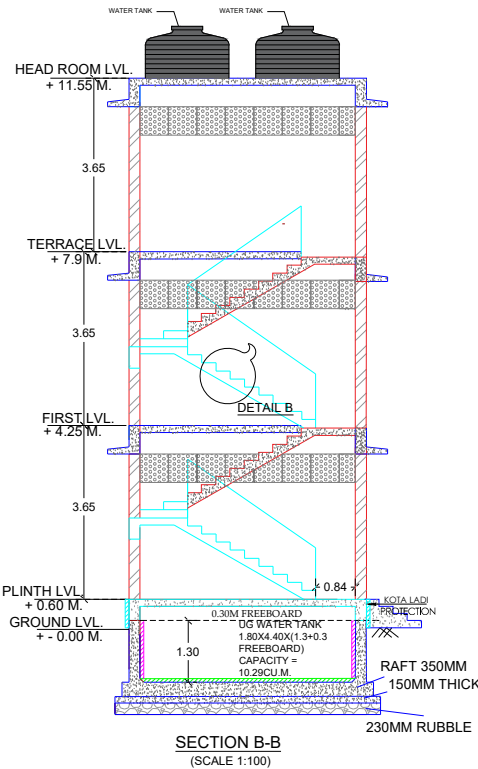
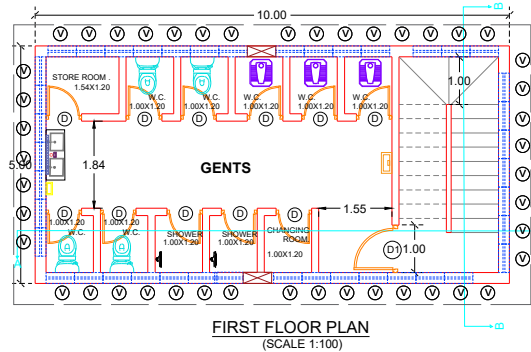
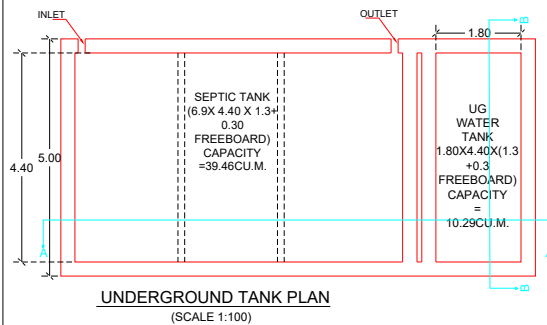
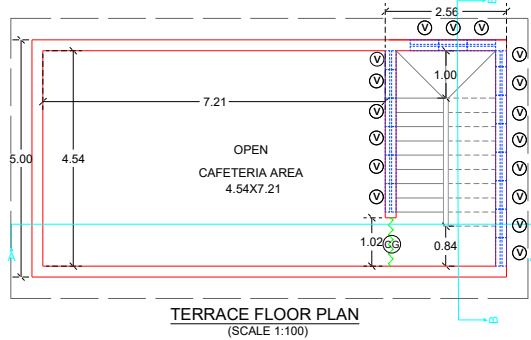
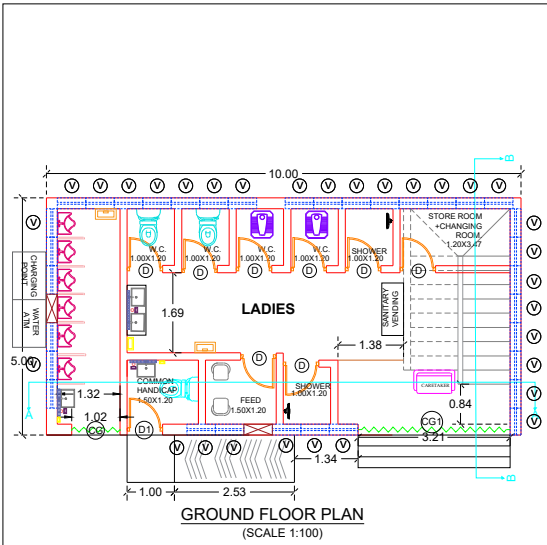
SIGN & STAMP :		
SIGNATURES		
S.E.	A.E.	EX.ENGG.

DRAWING INFORMATION	
TITLE	ARCHITECTURAL PLAN
CONTENTS OF DRAWING	CONSTRUCTION OF ASPIRATIONAL / PUBLIC TOILET BLOCK
SITE NAME	NEAR ANDHERI STATION WEST SIDE , ANDHERI (E) KWEST
REVISIONS	R1 - DATE 26.06.2026 R2 - DATE R3 - DATE
SCALE-1:100	DRY.BY:NAZIR CHK.BY:-----

CLIENT: BRIHANMUMBAI MUNICIPAL CORPORATION (BMC).

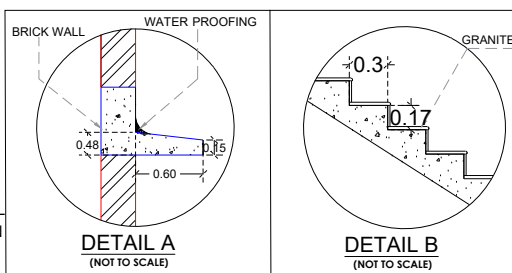
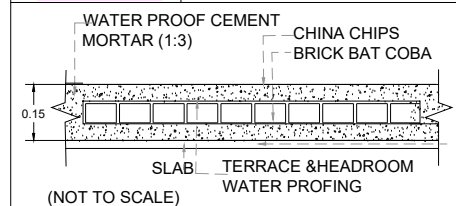
JIWANI CONSTRUMA PVT.LTD.
Adding Life to Structures

AN ISO 9001:2015 CERTIFIED COMPANY,
(ARCHITECTURAL & STRUCTURAL CONSULTANTS),
34-C, FILM CENTRE BUILDING, 3RD FLOOR, TARDEO ROAD,JANTA NAGAR, TARDEO, MUMBAI - 400 034.
EMAIL: INFO@JIWANIGROUP.IN TEL: 022 23861906.



NAME	SYMBOL	NOS
HAND WASH	○	04
HAND DRYER	□	04
MIRROR	⊠	04
TISSUE PAPER	□	04
EXHAUST FAN	⊗	05
WATER MOTOR - HP	⊕	01
AIR FRESHENER	□	03

WATERPROOFING DESCRIPTION	
⊠	KOTA LADI PROTECTION
⊡	2 COAT PLASTER WITH ADDED WATERPROOFING SOLUTION
⊢	IPS WATER PROOFING



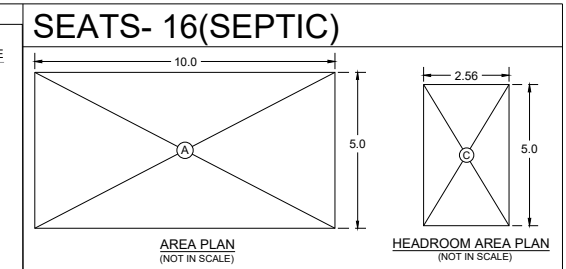
SCHEDULE OF TOILETS				
TYPE	GENTS	LADIES	COMMON HANDICAPPED	TOTAL
W.C.	07	04	01	12
SHOWER	02	02	-	04
WASHBASIN	03	02	01	06
URINAL	06	00	-	06

TANKS DESCRIPTION		
TYPE	CAPACITY	DIMENSION
UGT	10290 LITRE	1.80 x 4.40 x 1.3
SEPTIC	39460 LITRE	6.90 x 4.40 x 1.3
OHT	5000 LITRE	- - -

SCHEDULE OF DOOR & WINDOWS			
TYPE	NOS	SIZE	DESCRIPTION
D	19	0.75 X 1.9	FRP DOOR
D1	02	1.00 X 2.30	FRP DOOR
CG	02	1.02 X 2.50	M.S. COLLAPSIBLE GATE
CG1	01	3.21 X 2.50	M.S. COLLAPSIBLE GATE
V	105	0.60 X 0.90	RCC VENTILATOR

DESIGN OF SEPTIC TANK CALCULATIONS-
A). ASSUMPTIONS FOR SEPTIC TANK CALCULATION
1). NO. OF USERS PER SEAT : 10
2). SLUDGE CLEANING INTERVAL : 3 MONTHS
3). SLUDGE ACCUMULATION RATE : 0.00021 CUM PER CAPITA PER DAY
4). WASTE WATER DETENTION PERIOD : 2 DAYS
5). WASTE WATER ENTERING THE TANK : 8 LITRES PER USER
6). SCUM ACCUMULATION : 30% OF SLUDGE VOLUME
7). TOTAL CAPACITY OF SEPTIC TANK = WASTE WATER + SLUDGE + SCUM

A) WASTE WATER ENTERING IN SEPTIC TANK
= 35 x 16 = 560 USERS
= 8 x 560 = 4480 LITRES PER DAY
TOTAL CAPACITY OF SEPTIC TANK (DETENTION PERIOD 2 DAYS)
= 2 x 4480
= 8.96 CUM (I)
B) VOLUME OF SLUDGE STORAGE
= 0.00021 x 560 x 182.5
= 21.46 CUM (II)
C) VOLUME OF SCUM
= 0.30 x 21.46 = 6.43 CUM (III)
REQUIRED TOTAL CAPACITY OF SEPTIC TANK
= 8.96 + 21.46 + 6.43 = 36.85 CUM
PROVIDED OVERALL INTERNAL SIZE OF TANK
= (6.90 x 4.40 x (1.3 + 0.30 FREEBOARD))
= 39.46 CUM I.E. OK, SAFE
B). CALCULATION FOR DESIGN OF UGWT
REQUIRED UGWT
= 560 LITRES / SEAT
= 560 x 16= 8.96 LITRES
PROVIDED UGWT
= 1.80 x 4.40 x (1.3 + 0.30 FREEBOARD)
= 10.29 CUM I.E. OK, SAFE
C). CALCULATION FOR DESIGN OF OHWT
REQUIRED OHWT
= 280 LITRES / SEAT
= 280 x 16 = 4480 LITRES
PROVIDED OHWT
= 5000 LITRES I.E. OK, SAFE



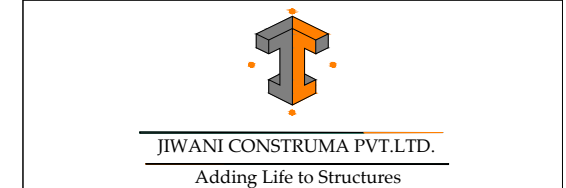
GROUND FLOOR AREA CALCULATIONS	
ADDITIONS:	
A = 10.0 X 5.0 X 1	= 50.0 sq.m
FIRST FLOOR AREA CALCULATIONS	
A = 10.0 X 5.0 X 1	= 50.0 sq.m
HEADROOM AREA CALCULATIONS	
C = 2.56 X 5.0 X 1	= 12.08 sq.m
TOTAL = 112.08 sq.m	

NOTES:
1)PROVIDING AND APPLYING FIRST COAT OF APPROVED WATER PROOF PRIMER AND TWO COATS OF WATER PROOF ACRYLIC BASED EXTERIOR PAINT AS PER SHADE APPROVED BY WARD EXECUTIVE ENGINEER.
2)PRE CONSTRUCTION ANTI-TERMITE TREATMENT TO BE PROVIDED.
3)THE COUNTER FOR THE ATTENDANT SHALL BE LOCATED TO HAVE OVERALL CONTROL WITH BLACK GRANITE.
4)ANY STATUTORY APPROVAL FROM CONCERNED AUTHORITY SHALL BE OBTAINED.
5)A RAMP SHALL BE PROVIDED FOR PHYSICALLY CHALLENGED USERS ALONGWITH M.S. RAILING.
6)THE WATER PROOFING TREATMENT TO TERRACE SHALL BE DONE WITH BRICK BAT COBA WITH CHINA MOSAIC CHIPS TOP LAYER AS PER SPECIFICATION.
7)ALL THE PLUMBING WORK SHALL BE DONE IN CHLORINATED POLYVINYL CHLORIDE (CPVC). ALL THE DRAINAGE PIPES (RAIN WATER, SOIL PIPES AND VENT PIPES) & FITTINGS OF UPVC OF ISI MARK SHALL BE USED.
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19)URINAL PARTITION OF 0.75 x 1.8 M IN GREEN MARBLE.
20)ALL DIMENSIONS ARE IN METER.
21)CLADDING OF ACP PANEL IN FRONT OF SIZE 2440MM x 1220MM x 0.25MM.
22)CHARGING POINT & WATER ATM WILL BE DONE AS PER SITE CONDITION AT THE TIME OF EXECUTION
23)THE INLET AND THE OUTLET OF THE SEPTIC TANK WILL VARY AS PER SITE CONDITIONS

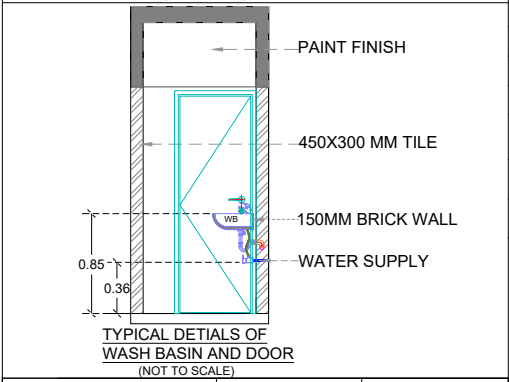
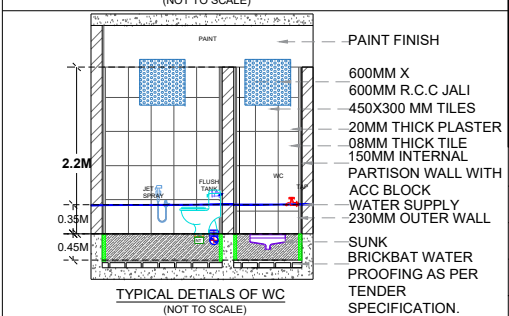
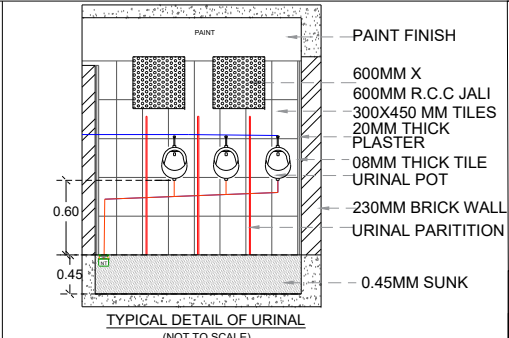
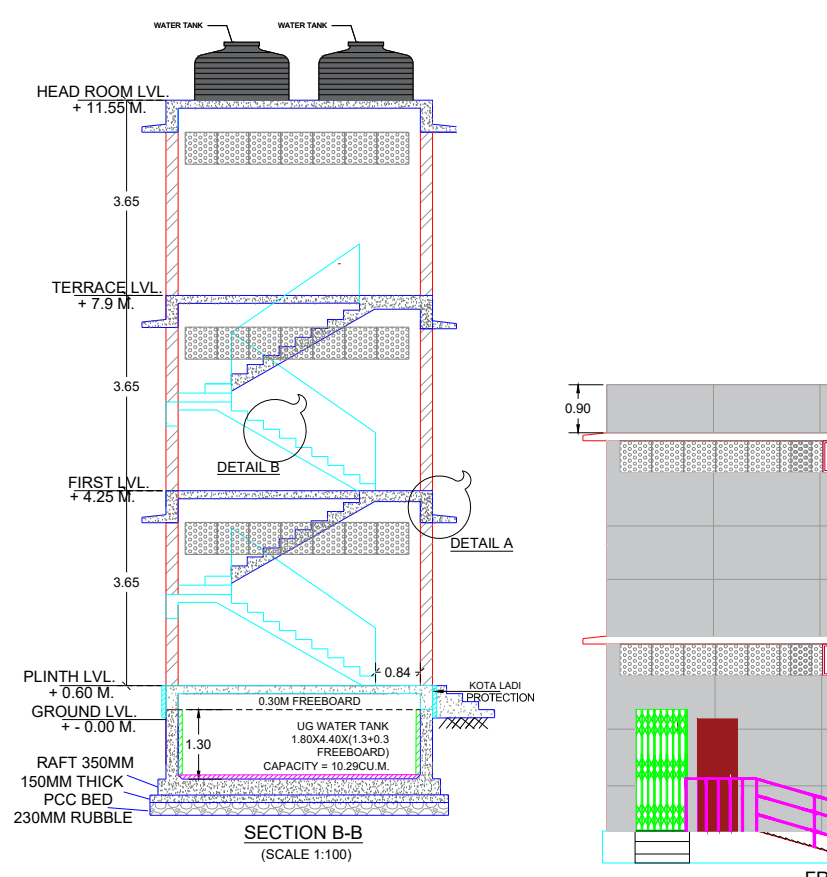
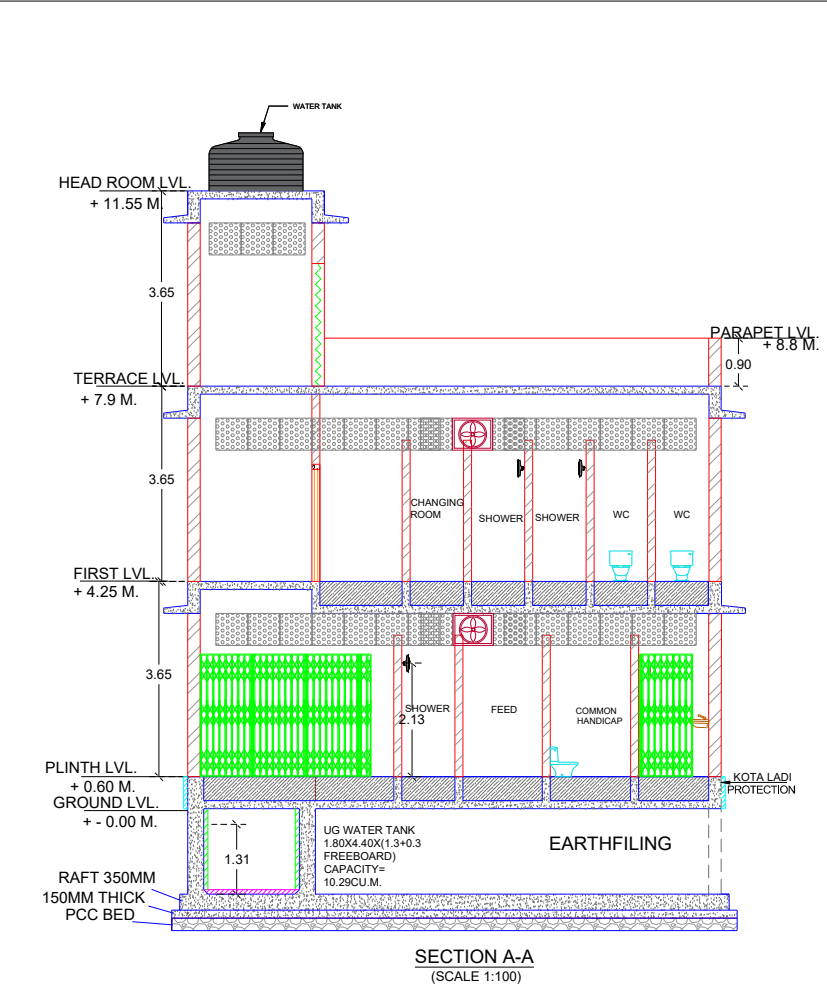
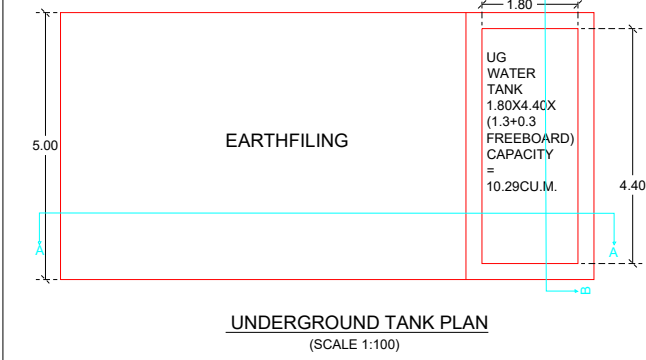
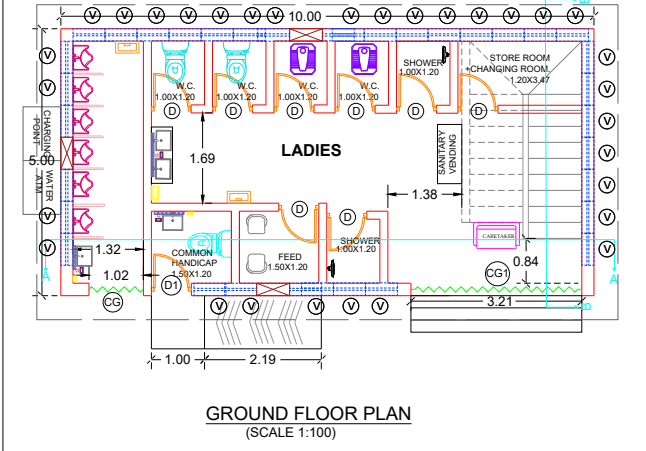
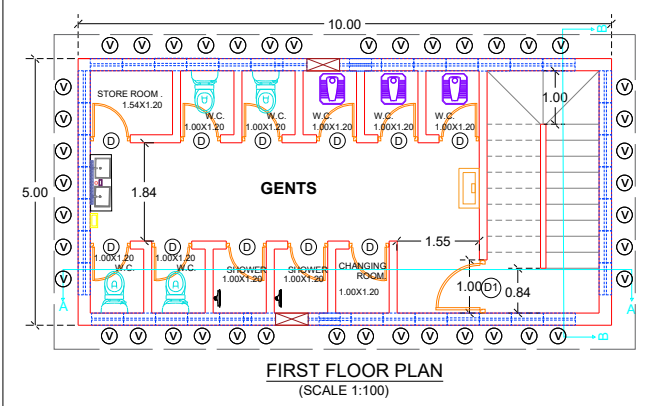
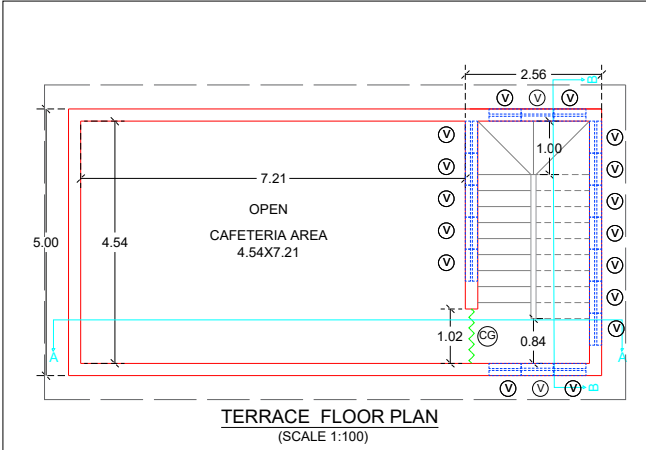
SIGN & STAMP :		
SIGNATURES		
S.E.	A.E.	EX.ENGG.

DRAWING INFORMATION			
TITLE	ARCHITECTURAL PLAN		
CONTENTS OF DRAWING	CONSTRUCTION OF ASPIRATIONAL / PUBLIC TOILET BLOCK		
SITE NAME	NEAR VERSOVA BEACH,SAGAR KUTIR K/WEST		
REVISIONS	R1 -	DATE	26.06.2026
	R2 -	DATE	
	R3 -	DATE	
SCALE-1:100	DRY.BY:NAZIR	CHK.BY:-----	

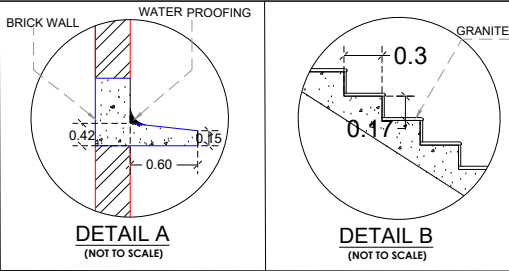
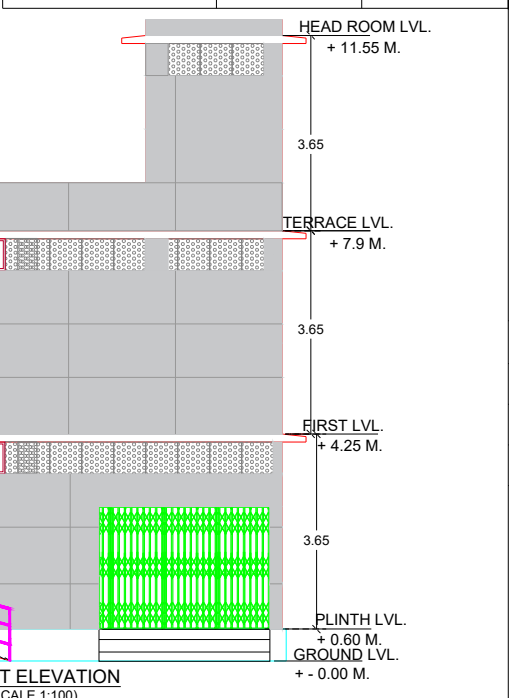
CLIENT: BRIHANMUMBAI MUNICIPAL CORPORATION (BMC).



AN ISO 9001:2015 CERTIFIED COMPANY,
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34-C, FILM CENTRE BUILDING, 3RD FLOOR, TARDEO ROAD,JANTA NAGAR, TARDEO, MUMBAI - 400 034.
EMAIL: INFO@JIWANIGROUP.IN TEL: 022 23861906.



NAME	SYMBOL	NOS
HAND WASH		04
HAND DRYER		04
MIRROR		04
TISSUE PAPER		04
EXHAUST FAN		05
WATER MOTOR - HP		01
AIR FRESHENER		03

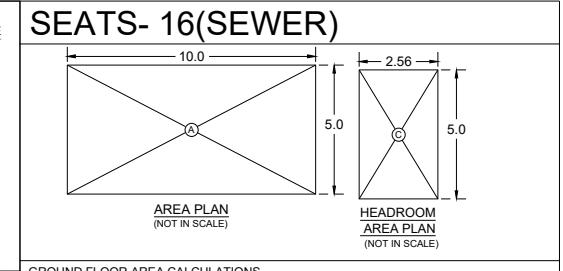
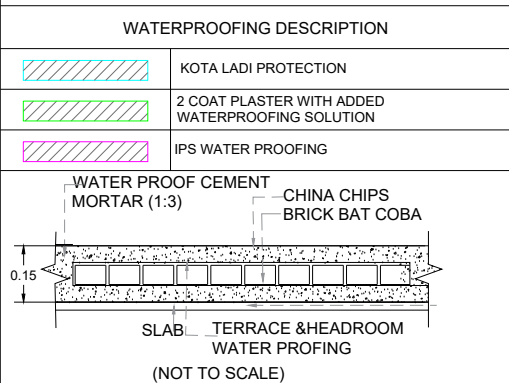


SCHEDULE OF TOILETS				
TYPE	GENTS	LADIES	COMMON HANDICAPPED	TOTAL
W.C.	07	04	01	12
SHOWER	02	02	-	04
WASHBASIN	03	02	01	06
URINAL	06	00	-	06

TANKS DESCRIPTION		
TYPE	CAPACITY	DIMENSION
UGT	10290 LITRE	1.8x 4.40 x 1.3
OHT	5000 LITRE	- - -

SCHEDULE OF DOOR & WINDOWS			
TYPE	NOS	SIZE	DESCRIPTION
D	19	0.75 X 1.9	FRP DOOR
D1	02	1.00 X 2.30	FRP DOOR
CG	02	1.02 X 2.50	M.S. COLLAPSIBLE GATE
CG1	01	3.21 X 2.50	M.S. COLLAPSIBLE GATE
V	105	0.60 X 0.90	RCC VENTILATOR

B). CALCULATION FOR DESIGN OF UGWT
REQUIRED UGWT
= 560 LITRES / SEAT
= 560 x 16= 8.96 LITRES
PROVIDED UGWT
= 1.80 x 4.40 x (1.30 + 0.30 FREEBOARD)
= 10.29 CUM I.E. OK, SAFE
C). CALCULATION FOR DESIGN OF OHWT
REQUIRED OHWT
= 280 LITRES / SEAT
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PROVIDED OHWT
= 5000 LITRES I.E. OK, SAFE



GROUND FLOOR AREA CALCULATIONS	
ADDITIONS:	
A = 10.0 X 5.0 X 1	= 50.0 sq.m
FIRST FLOOR AREA CALCULATIONS	
A = 10.0 X 5.0 X 1	= 50.0 sq.m
HEADROOM AREA CALCULATIONS	
C = 2.56 X 5.0 X 1	= 12.08 sq.m
TOTAL	= 112.08 sq.m

NOTES:
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SIGN & STAMP :		
SIGNATURES		
S.E.	A.E.	EX.ENGG.

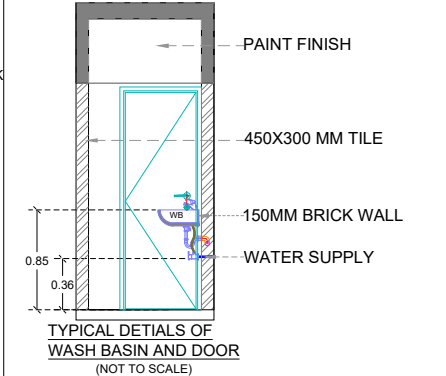
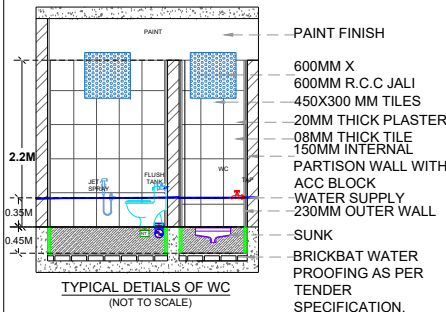
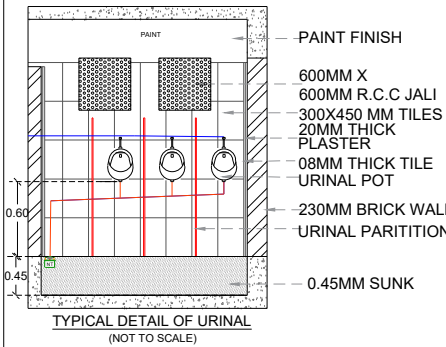
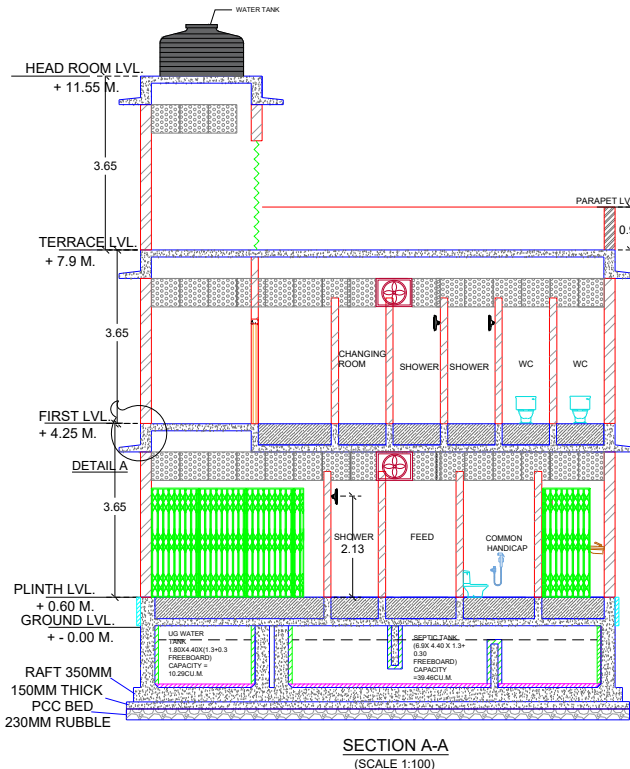
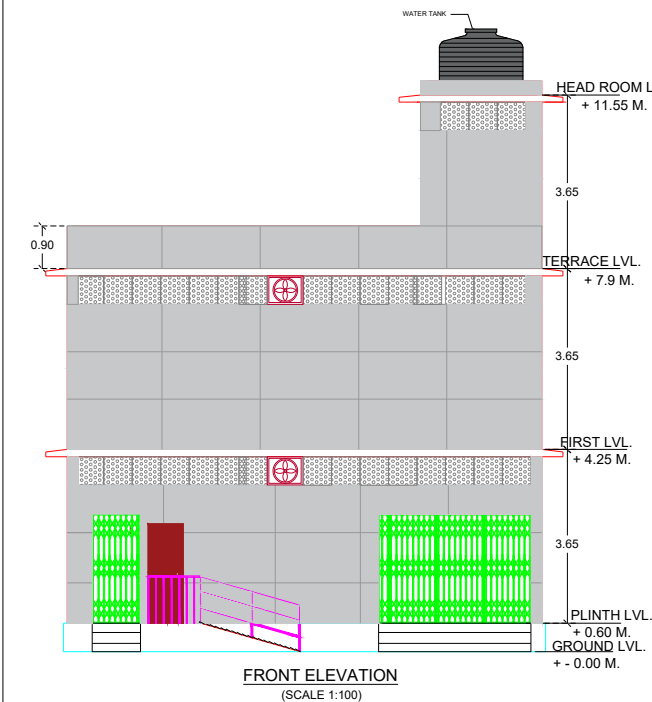
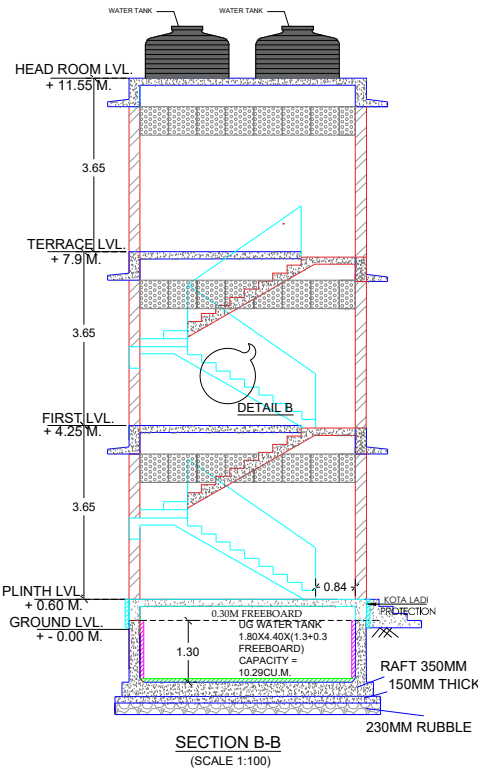
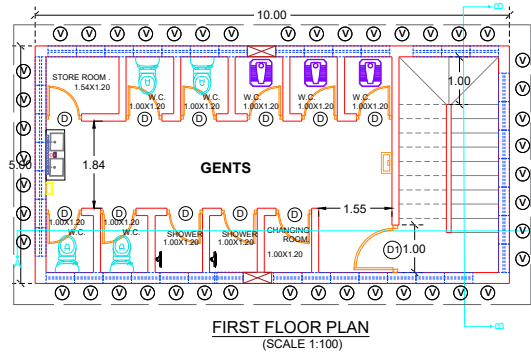
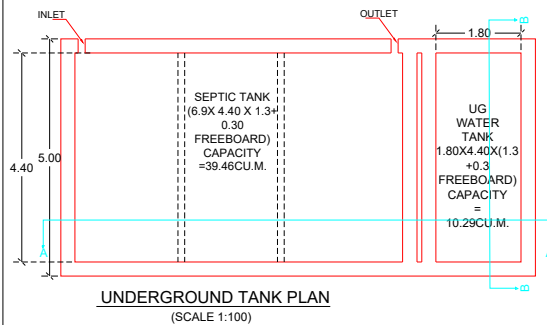
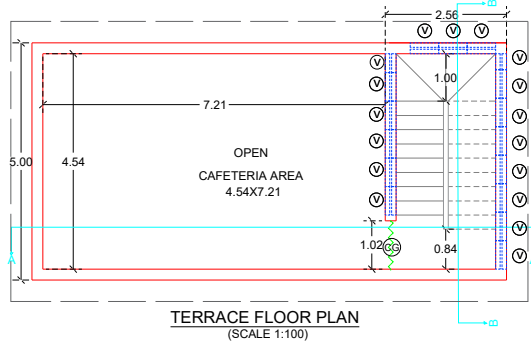
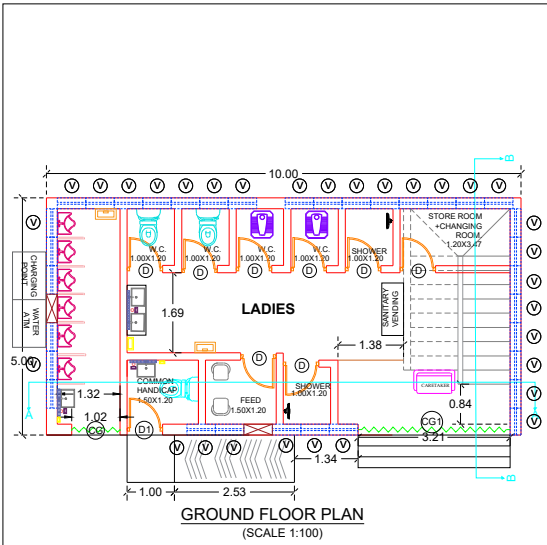
DRAWING INFORMATION			
TITLE	ARCHITECTURAL PLAN		
CONTENTS OF DRAWING	CONSTRUCTION OF ASPIRATIONAL / PUBLIC TOILET BLOCK		
SITE NAME	OPPOSITE NMIMS AT VAIKUNTHAL MEHTA ROAD ,VILE PARLE(W) K/WEST		
REVISIONS	R1	-	DATE 26.06.2026
	R2	-	DATE
	R3	-	DATE
SCALE-1:100	DRY.BY:NAZIR	CHK.BY:-----	

CLIENT: BRIHANMUMBAI MUNICIPAL CORPORATION (BMC).

JIWANI CONSTRUMA PVT.LTD.

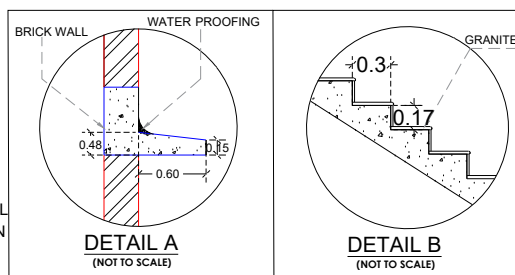
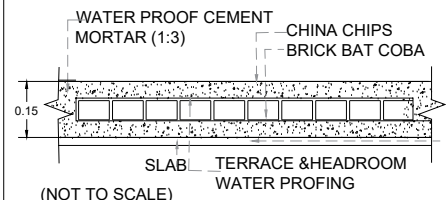
Adding Life to Structures

AN ISO 9001:2015 CERTIFIED COMPANY,
(ARCHITECTURAL & STRUCTURAL CONSULTANTS),
34-C, FILM CENTRE BUILDING, 3RD FLOOR, TARDEO
ROAD,JANTA NAGAR, TARDEO, MUMBAI - 400 034.
EMAIL: INFO@JIWANIGROUP.IN TEL: 022 23861906.



NAME	SYMBOL	NOS
HAND WASH		04
HAND DRYER		04
MIRROR		04
TISSUE PAPER		04
EXHAUST FAN		05
WATER MOTOR - HP		01
AIR FRESHENER		03

WATERPROOFING DESCRIPTION	
	KOTA LADI PROTECTION
	2 COAT PLASTER WITH ADDED WATERPROOFING SOLUTION
	IPS WATER PROOFING



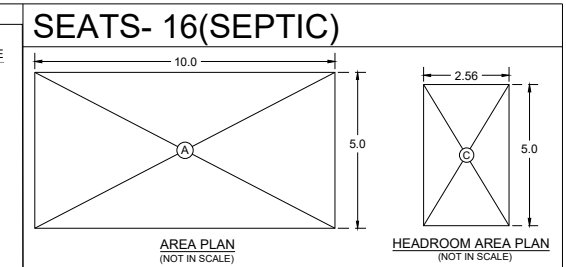
SCHEDULE OF TOILETS				
TYPE	GENTS	LADIES	COMMON HANDICAPPED	TOTAL
W.C.	07	04	01	12
SHOWER	02	02	-	04
WASHBASIN	03	02	01	06
URINAL	06	00	-	06

TANKS DESCRIPTION		
TYPE	CAPACITY	DIMENSION
UGT	10290 LITRE	1.80 x 4.40 x 1.3
SEPTIC	39460 LITRE	6.90 x 4.40 x 1.3
OHT	5000 LITRE	- - -

SCHEDULE OF DOOR & WINDOWS			
TYPE	NOS	SIZE	DESCRIPTION
D	19	0.75 X 1.9	FRP DOOR
D1	02	1.00 X 2.30	FRP DOOR
CG	02	1.02 X 2.50	M.S. COLLAPSIBLE GATE
CG1	01	3.21 X 2.50	M.S. COLLAPSIBLE GATE
V	105	0.60 X 0.90	RCC VENTILATOR

DESIGN OF SEPTIC TANK CALCULATIONS-
A). ASSUMPTIONS FOR SEPTIC TANK CALCULATION
1). NO. OF USERS PER SEAT : 10
2). SLUDGE CLEANING INTERVAL : 3 MONTHS
3). SLUDGE ACCUMULATION RATE : 0.00021 CUM PER CAPITA PER DAY
4). WASTE WATER DETENTION PERIOD : 2 DAYS
5). WASTE WATER ENTERING THE TANK : 8 LITRES PER USER
6). SCUM ACCUMULATION : 30% OF SLUDGE VOLUME
7). TOTAL CAPACITY OF SEPTIC TANK = WASTE WATER + SLUDGE + SCUM

A) WASTE WATER ENTERING IN SEPTIC TANK
= 35 x 16 = 560 USERS
= 8 x 560 = 4480 LITRES PER DAY
TOTAL CAPACITY OF SEPTIC TANK (DETENTION PERIOD 2 DAYS)
= 2 x 4480
= 8.96 CUM (I)
B) VOLUME OF SLUDGE STORAGE
= 0.00021 x 560 x 182.5
= 21.46 CUM (II)
C) VOLUME OF SCUM
= 0.30 x 21.46 = 6.43 CUM (III)
REQUIRED TOTAL CAPACITY OF SEPTIC TANK
= 8.96 + 21.46 + 6.43 = 36.85 CUM
PROVIDED OVERALL INTERNAL SIZE OF TANK
= (6.90 x 4.40 x (1.3 + 0.30 FREEBOARD))
= 39.46 CUM I.E. OK, SAFE
B). CALCULATION FOR DESIGN OF UGWT
REQUIRED UGWT
= 560 LITRES / SEAT
= 560 x 16 = 8.96 LITRES
PROVIDED UGWT
= 1.80 x 4.40 x (1.3 + 0.30 FREEBOARD)
= 10.29 CUM I.E. OK, SAFE
C). CALCULATION FOR DESIGN OF OHWT
REQUIRED OHWT
= 280 LITRES / SEAT
= 280 x 16 = 4480 LITRES
PROVIDED OHWT
= 5000 LITRES I.E. OK, SAFE



GROUND FLOOR AREA CALCULATIONS	
ADDITIONS:	
A = 10.0 X 5.0 X 1	= 50.0 sq.m
FIRST FLOOR AREA CALCULATIONS	
A = 10.0 X 5.0 X 1	= 50.0 sq.m
HEADROOM AREA CALCULATIONS	
C = 2.56 X 5.0 X 1	= 12.08 sq.m
TOTAL = 112.08 sq.m	

NOTES:
1)PROVIDING AND APPLYING FIRST COAT OF APPROVED WATER PROOF PRIMER AND TWO COATS OF WATER PROOF ACRYLIC BASED EXTERIOR PAINT AS PER SHADE APPROVED BY WARD EXECUTIVE ENGINEER.
2)PRE CONSTRUCTION ANTI-TERMITE TREATMENT TO BE PROVIDED.
3)THE COUNTER FOR THE ATTENDANT SHALL BE LOCATED TO HAVE OVERALL CONTROL WITH BLACK GRANITE.
4)ANY STATUTORY APPROVAL FROM CONCERNED AUTHORITY SHALL BE OBTAINED.
5)A RAMP SHALL BE PROVIDED FOR PHYSICALLY CHALLENGED USERS ALONGWITH M.S. RAILING.
6)THE WATER PROOFING TREATMENT TO TERRACE SHALL BE DONE WITH BRICK BAT COBA WITH CHINA MOSAIC CHIPS TOP LAYER AS PER SPECIFICATION.
7)ALL THE PLUMBING WORK SHALL BE DONE IN CHLORINATED POLYVINYL CHLORIDE (CPVC). ALL THE DRAINAGE PIPES (RAIN WATER, SOIL PIPES AND VENT PIPES) & FITTINGS OF UPVC OF ISI MARK SHALL BE USED.
8)THE INSPECTION CHAMBERS SHALL BE CONSTRUCTED AS PER SPECIFICATION.
9)PLINTH PROTECTION FOR AVERAGE WIDTH OF 1.0 METER AROUND THE PERIPHERY OF THE TOILET BLOCK SHALL BE PROVIDED WITH 230MM DRY RUBBLE PACKING AND 100MM THICK IN M15 GRADE CONCRETE WITH ROUGH KOTA STONE FLOORING.
10)POLISHED KOTA STONE TILES TO A HEIGHT OF 0.75 M ABOVE THE GROUND LEVEL SHALL BE PROVIDED TO TERRACE LEVEL EXTERNAL WALLS ALL ALONG THE EXTERNAL PERIPHERY OF THE TOILET BLOCK.
11)PROPER VENT ARRANGEMENT SHALL BE PROVIDED TO SEPTIC TANK BY FIXING VENT PIPES UPTO TERRACE LEVEL.
12)INTERCEPTING TRAP CHAMBER SHALL BE PROVIDED BEFORE CONNECTING THE TOILET BLOCK TO THE MAIN SEWER LINE.
13)FOR G+1 STRUCTURE RCC STAIRCASE SHALL BE PROVIDED WITH HEADROOM.
14)GROUND FLOOR STRUCTURE MS LADDER SHALL BE PROVIDED EXTERNALLY FOR ACCESS TO TERRACE.
15)EXTERNAL PLASTER 20 MM THK IN TWO COATS IN 1:4 C.M. WITH ADDITIONAL WATERPROOFING.
16)INTERNAL SAND FACE 20MM THICK PLASTER INSIDE & OUTSIDE OF UG TANK & SEPTIC TANK.
17)GRANITE STONE SHALL BE LAID FOR FLOORING IN PASSAGE & STAIRCASE.
18)LIGHT COLORED GLAZED CERAMIC TILES FOR DADO UPTO 2.2 M HEIGHT.
19)URINAL PARTITION OF 0.75 x 1.8 M IN GREEN MARBLE.
20)ALL DIMENSIONS ARE IN METER.
21)CLADDING OF ACP PANEL IN FRONT OF SIZE 2440MM x 1220MM x 0.25MM.
22)CHARGING POINT & WATER ATM WILL BE DONE AS PER SITE CONDITION AT THE TIME OF EXECUTION
23)THE INLET AND THE OUTLET OF THE SEPTIC TANK WILL VARY AS PER SITE CONDITIONS

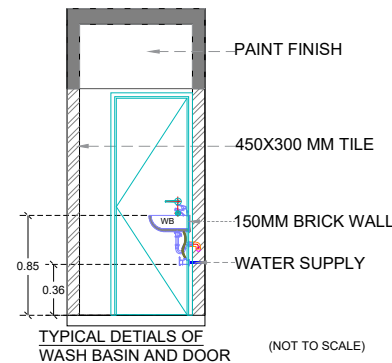
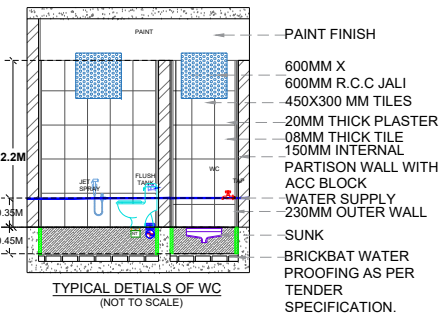
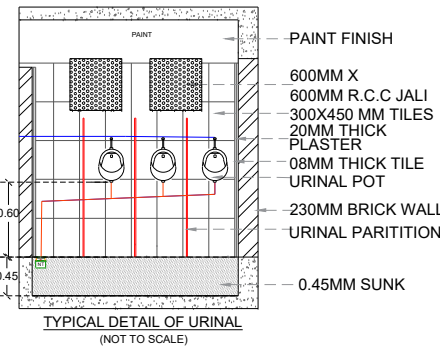
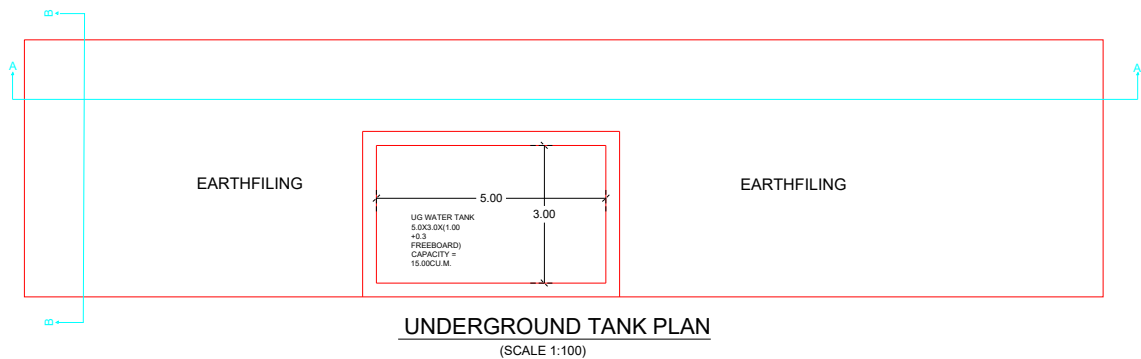
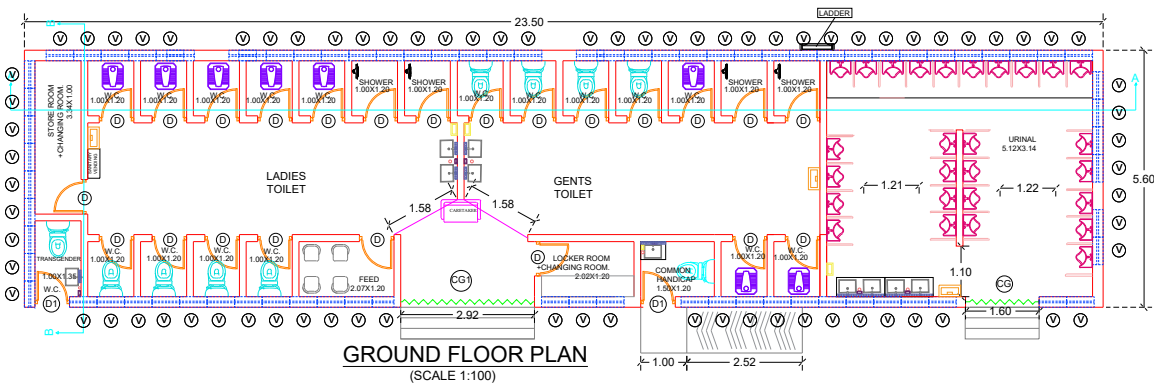
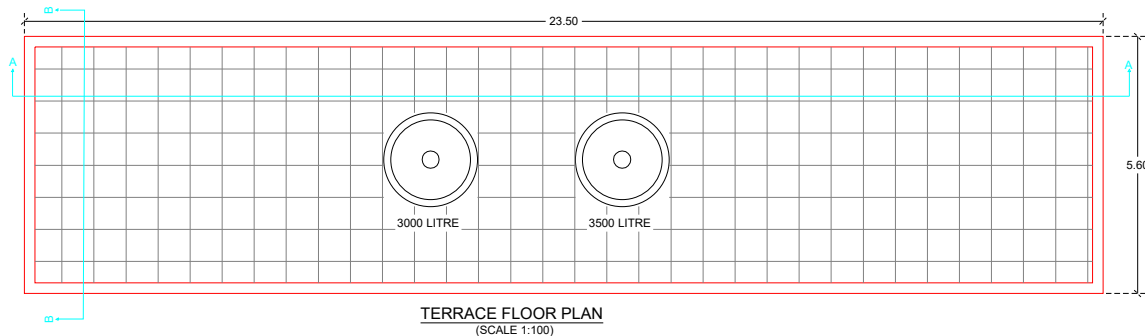
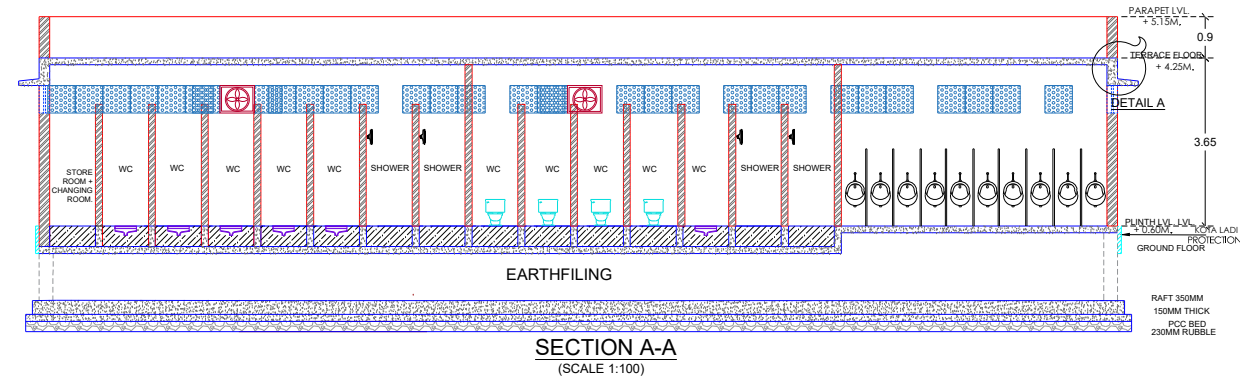
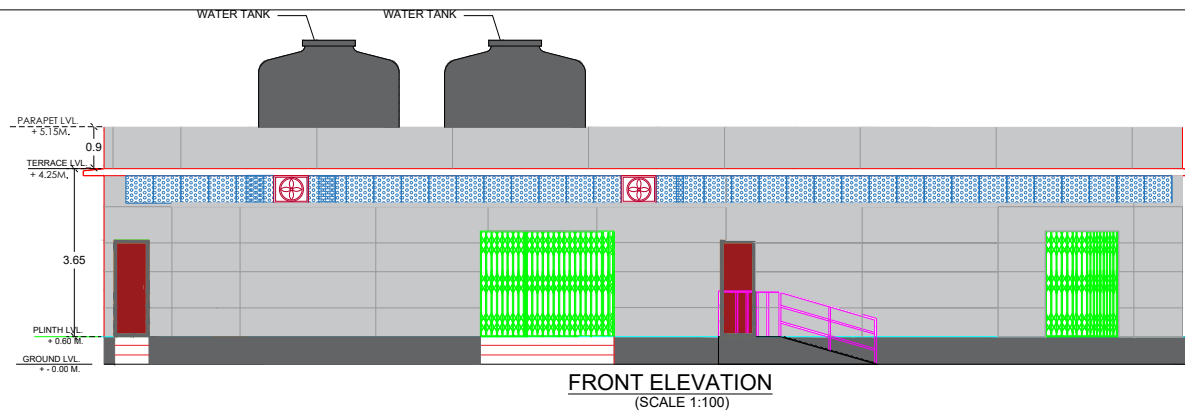
SIGN & STAMP :		
SIGNATURES		
S.E.	A.E.	EX.ENGG.

DRAWING INFORMATION	
TITLE	ARCHITECTURAL PLAN
CONTENTS OF DRAWING	CONSTRUCTION OF ASPIRATIONAL / PUBLIC TOILET BLOCK
SITE NAME	NEAR AKSA BEACH P/NORTH
REVISIONS	R1 - DATE/26.06.2026 R2 - DATE R3 - DATE
SCALE-1:100	DRY.BY:NAZIR CHK.BY:-----

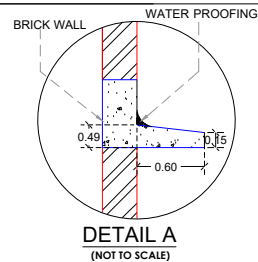
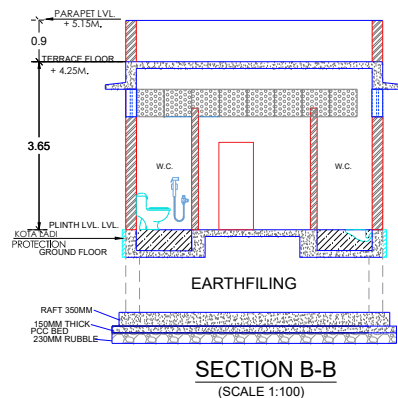
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EMAIL: INFO@JIWANIGROUP.IN TEL: 022 23861906.



NAME	SYMBOL	NOS
HAND WASH		06
HAND DRYER		04
MIRROR		05
TISSUE PAPER		06
EXHAUST FAN		03
WATER MOTOR - HP		01
AIR FRESHENER		03



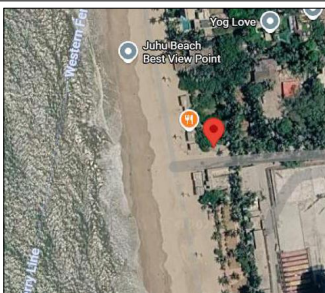
SCHEDULE OF TOILETS					
TYPE	GENTS	LADIES	COMMON HANDICAPPED	TRANS GENDER	TOTAL
W.C.	07	09	01	01	18
SHOWER	02	02	-	-	04
WASH BASIN	03	02	01	01	06
URINAL	27	00	-	-	27

TANKS DESCRIPTION		
TYPE	CAPACITY	DIMENSION
UGT	15000 LITRE	5.0 x 3.0 x 1.0
OHT	6500 LITRE	- - -

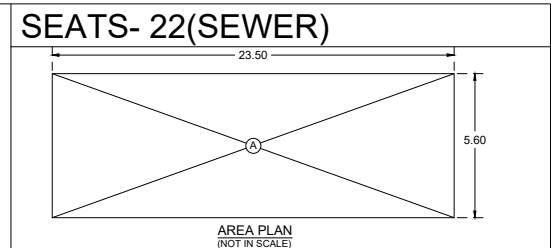
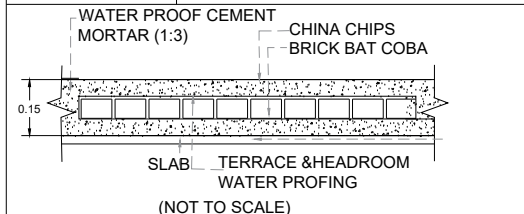
SCHEDULE OF DOOR & WINDOWS			
TYPE	NOS	SIZE	DESCRIPTION
D	23	0.75 X 1.9	FRP DOOR
D1	02	1.00 X 2.30	FRP DOOR
CG	01	0.9 X 2.50	M.S. COLLAPSIBLE GATE
CG1	01	2.69 X 2.50	M.S. COLLAPSIBLE GATE
V	65	0.60 X 0.90	RCC VENTILATOR

B). CALCULATION FOR DESIGN OF UGWT
REQUIRED UGWT
= 560 LITRES / SEAT
= 560 x 22= 12320 LITRES
PROVIDED UGWT
= 5.0 x 3.0 x (1.0 + 0.30 FREEBOARD)
= 15.0 CUM I.E. OK, SAFE

C). CALCULATION FOR DESIGN OF OHWT
REQUIRED OHWT
= 280 LITRES / SEAT
= 280 x 22= 6160 LITRES
PROVIDED OHWT
= 6500 LITRES I.E. OK, SAFE



WATERPROOFING DESCRIPTION	
	KOTA LADI PROTECTION
	2 COAT PLASTER WITH ADDED WATERPROOFING SOLUTION
	IPS WATER PROOFING



GROUND FLOOR AREA CALCULATIONS
ADDITIONS:
A = 23.50 X 5.60 X 1 = 131.6 sq.m
TOTAL = 131.6 sq.m

NOTES:
1)PROVIDING AND APPLYING FIRST COAT OF APPROVED WATER PROOF PRIMER AND TWO COATS OF WATER PROOF ACRYLIC BASED EXTERIOR PAINT AS PER SHADE APPROVED BY WARD EXECUTIVE ENGINEER.
2)PRE CONSTRUCTION ANTI-TERMITE TREATMENT TO BE PROVIDED.
3)THE COUNTER FOR THE ATTENDANT SHALL BE LOCATED TO HAVE OVERALL CONTROL.
4)ANY STATUTORY APPROVAL FROM CONCERNED AUTHORITY SHALL BE OBTAINED.
5)A RAMP SHALL BE PROVIDED FOR PHYSICALLY CHALLENGED USERS ALONGWITH M.S. RAILING.
6)THE WATER PROOFING TREATMENT TO TERRACE SHALL BE DONE WITH BRICK BAT COBA WITH CHINA MOSAIC CHIPS TOP LAYER AS PER SPECIFICATION.
7)ALL THE PLUMBING WORK SHALL BE DONE IN CHLORINATED POLYVINYL CHLORIDE (CPVC). ALL THE DRAINAGE PIPES (RAIN WATER, SOIL PIPES AND VENT PIPES) & FITTINGS OF UPVC OF ISI MARK SHALL BE USED.
8)THE INSPECTION CHAMBERS SHALL BE CONSTRUCTED AS PER SPECIFICATION.
9)PLINTH PROTECTION FOR AVERAGE WIDTH OF 1.0 METER AROUND THE PERIPHERY OF THE TOILET BLOCK SHALL BE PROVIDED WITH 230MM DRY RUBBLE PACKING AND 100MM THICK IN M15 GRADE CONCRETE WITH ROUGH KOTA STONE FLOORING.
10)POLISHED KOTA STONE TILES TO A HEIGHT OF 0.75 M ABOVE THE GROUND LEVEL SHALL BE PROVIDED TO TERRACE LEVEL EXTERNAL WALLS ALL ALONG THE EXTERNAL PERIPHERY OF THE TOILET BLOCK.
11)PROPER VENT ARRANGEMENT SHALL BE PROVIDED TO SEPTIC TANK BY FIXING VENT PIPES UPTO TERRACE LEVEL.
12)INTERCEPTING TRAP CHAMBER SHALL BE PROVIDED BEFORE CONNECTING THE TOILET BLOCK TO THE MAIN SEWER LINE.
13)FOR G+1 STRUCTURE RCC STAIRCASE SHALL BE PROVIDED WITH HEADROOM.
14)GROUND FLOOR STRUCTURE MS LADDER SHALL BE PROVIDED EXTERNALLY FOR ACCESS TO TERRACE.
15)EXTERNAL PLASTER 20 MM THK IN TWO COATS IN 1:4 C.M. WITH ADDITIONAL WATERPROOFING.
16)INTERNAL SAND FACE 20MM THICK PLASTER INSIDE & OUTSIDE OF UG TANK & SEPTIC TANK.
17)GRANITE STONE SHALL BE LAID FOR FLOORING IN PASSAGE & STAIRCASE.
18)LIGHT COLORED GLAZED CERAMIC TILES FOR DADO UPTO 2.2 M HEIGHT.
19)URINAL PARTITION OF 0.75 x 1.5 M IN GREEN MARBLE.
20)ALL DIMENSIONS ARE IN METER.
21)CLADDING OF ACP PANEL IN FRONT OF SIZE 2440MM x 1220MM x 0.25MM.
22)CHARGING POINT & WATER ATM WILL BE DONE AS PER SITE CONDITION AT THE TIME OF EXECUTION

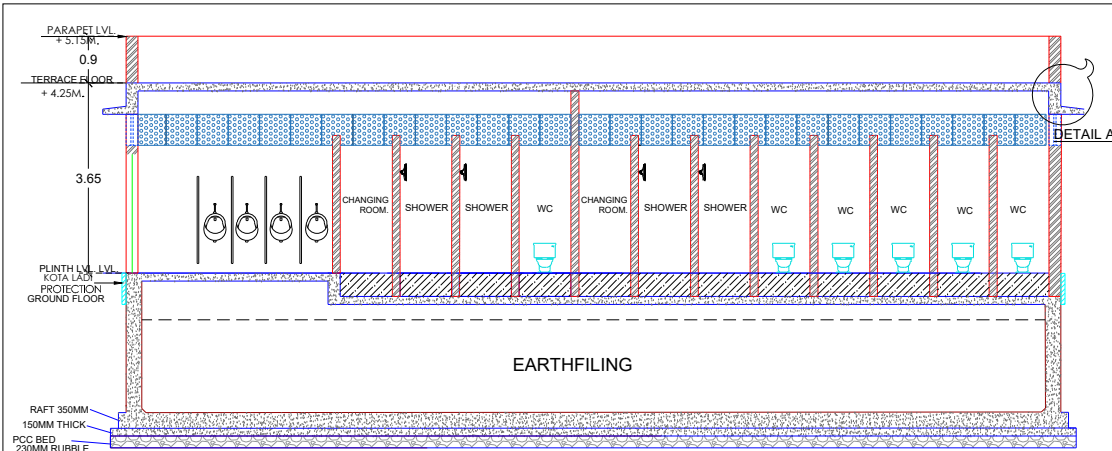
SIGN & STAMP :		
SIGNATURES		
S.E.	A.E.	EX.ENGG.

DRAWING INFORMATION			
TITLE	ARCHITECTURAL PLAN		
CONTENTS OF DRAWING	CONSTRUCTION OF ASPIRATIONAL / PUBLIC TOILET BLOCK		
SITE NAME	AT JUHU BEACH , INCLUDING AAI TOILET VILE PARLE (W) K/WEST.		
REVISIONS	R1 -	DATE	26.06.2026
	R2 -	DATE	
	R3 -	DATE	
SCALE-1:100	DRY.BY:NAZIR	CHK.BY:-----	

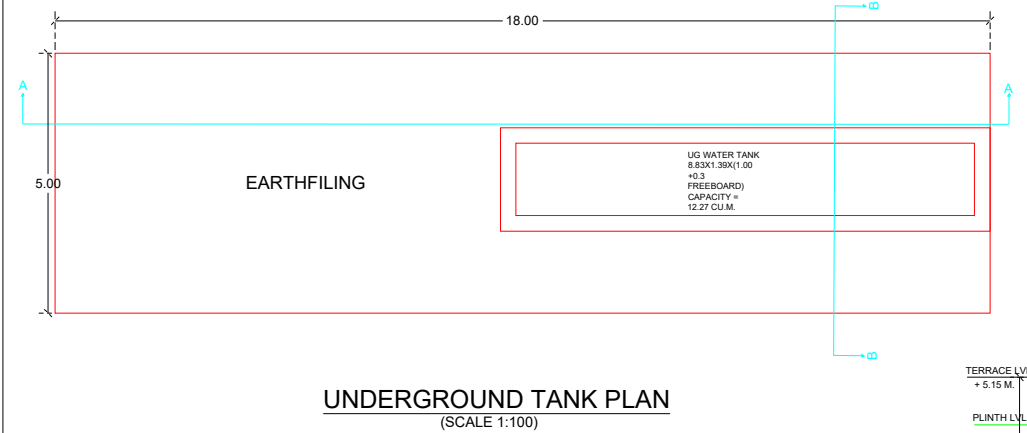
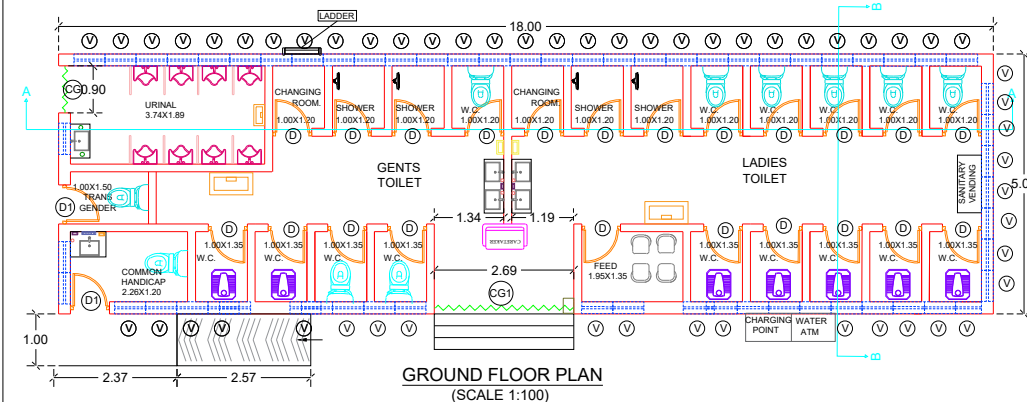
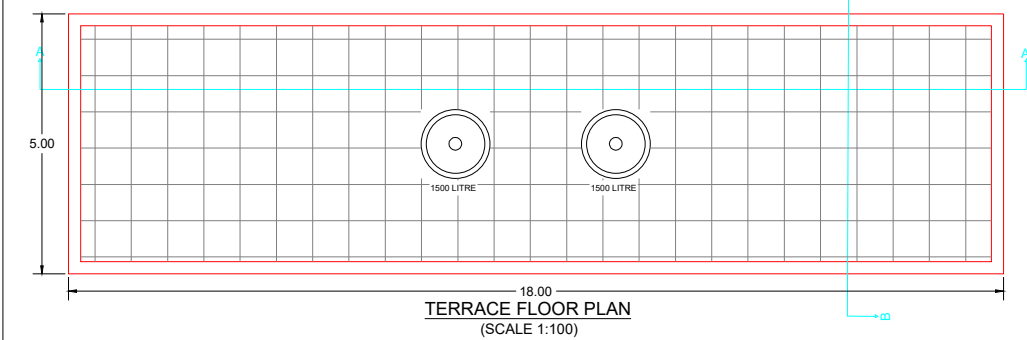
CLIENT: BRIHANMUMBAI MUNICIPAL CORPORATION (BMC).

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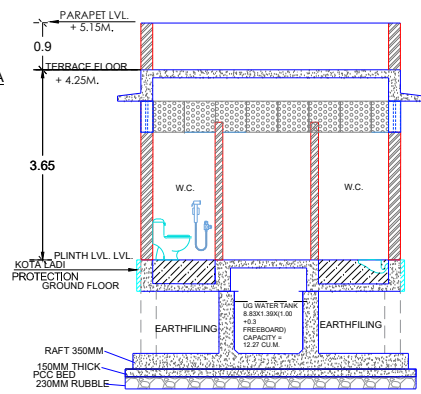
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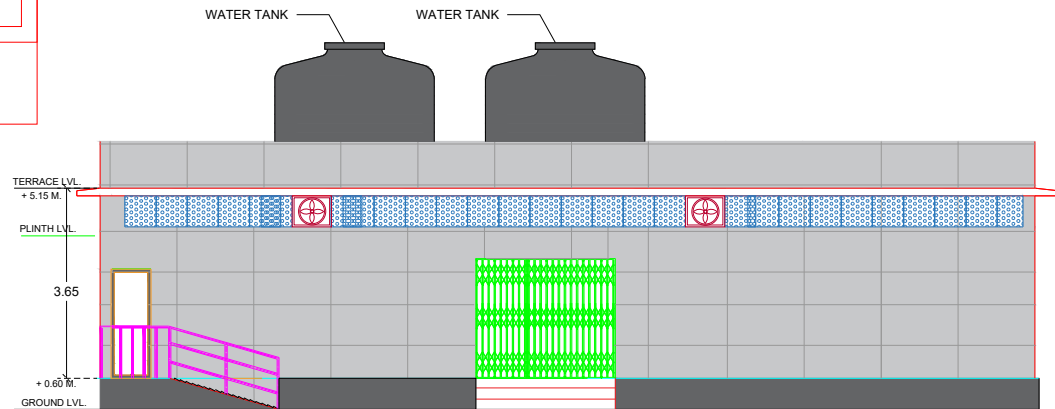
SECTION A-A
(SCALE 1:100)



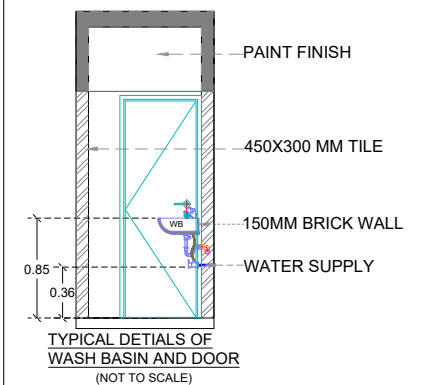
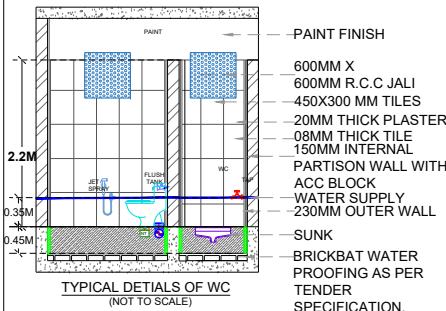
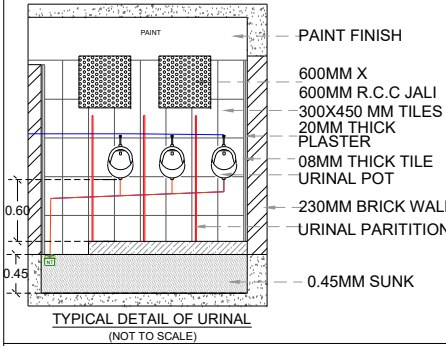
UNDERGROUND TANK PLAN
(SCALE 1:100)



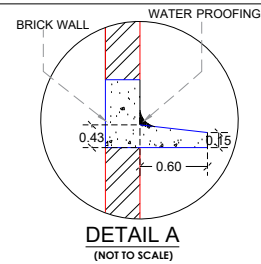
SECTION B-B
(SCALE 1:100)



FRONT ELEVATION
(SCALE 1:100)



NAME	SYMBOL	NOS
HAND WASH		03
HAND DRYER		03
MIRROR		03
TISSUE PAPER		03
EXHAUST FAN		03
WATER MOTOR - HP		01
AIR FRESHENER		03

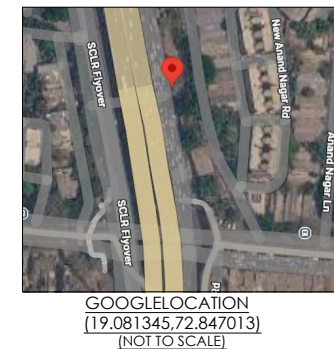


SCHEDULE OF TOILETS					
TYPE	GENTS	LADIES	COMMON HANDICAPPED	TRANS GENDER	TOTAL
W.C.	05	04	01	01	11
SHOWER	02	02	-	-	04
WASHBASIN	03	02	01	01	07
URINAL	08	00	-	-	08

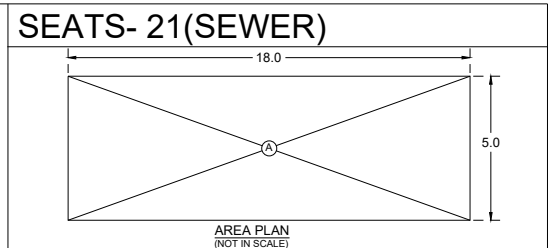
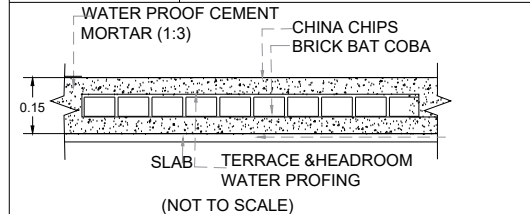
TANKS DESCRIPTION		
TYPE	CAPACITY	DIMENSION
UGT	12270 LITRE	8.83 x 1.39 x 1.0
OHT	6000 LITRE	- - -

SCHEDULE OF DOOR & WINDOWS			
TYPE	NOS	SIZE	DESCRIPTION
D	22	0.75 X 1.9	FRP DOOR
D1	02	1.00 X 2.30	FRP DOOR
CG	01	0.90 X 2.50	M.S. COLLAPSIBLE GATE
CG1	01	2.69 X 2.50	M.S. COLLAPSIBLE GATE
V	65	0.60 X 0.90	RCC VENTILATOR

B). CALCULATION FOR DESIGN OF UGWT
REQUIRED UGWT
= 560 LITRES / SEAT
= 560 x 21= 11.76 LITRES
PROVIDED UGWT
= 1.39 x 8.83 x (1.0 + 0.30 FREEBOARD)
= 12.27 CUM I.E. OK, SAFE
C). CALCULATION FOR DESIGN OF OHWT
REQUIRED OHWT
= 280 LITRES / SEAT
= 280 x 21= 5880 LITRES
PROVIDED OHWT
= 6000 LITRES I.E. OK, SAFE



WATERPROOFING DESCRIPTION	
	KOTA LADI PROTECTION
	2 COAT PLASTER WITH ADDED WATERPROOFING SOLUTION
	IPS WATER PROOFING



GROUND FLOOR AREA CALCULATIONS	
ADDITIONS:	
A	= 18.0 X 5.0 X 1 = 90.0 sq.m
TOTAL	= 90.0 sq.m

NOTES:
1)PROVIDING AND APPLYING FIRST COAT OF APPROVED WATER PROOF PRIMER AND TWO COATS OF WATER PROOF ACRYLIC BASED EXTERIOR PAINT AS PER SHADE APPROVED BY WARD EXECUTIVE ENGINEER.
2)PRE CONSTRUCTION ANTI-TERMITE TREATMENT TO BE PROVIDED.
3)THE COUNTER FOR THE ATTENDANT SHALL BE LOCATED TO HAVE OVERALL CONTROL, WITH BLACK GRANITE.
4)ANY STATUTORY APPROVAL FROM CONCERNED AUTHORITY SHALL BE OBTAINED.
5)A RAMP SHALL BE PROVIDED FOR PHYSICALLY CHALLENGED USERS ALONGWITH M.S. RAILING.
6)THE WATER PROOFING TREATMENT TO TERRACE SHALL BE DONE WITH BRICK BAT COBA WITH CHINA MOSAIC CHIPS TOP LAYER AS PER SPECIFICATION.
7)ALL THE PLUMBING WORK SHALL BE DONE IN CHLORINATED POLYVINYL CHLORIDE (CPVC). ALL THE DRAINAGE PIPES (RAIN WATER, SOIL PIPES AND VENT PIPES) & FITTINGS OF UPVC OF ISI MARK SHALL BE USED.
8)THE INSPECTION CHAMBERS SHALL BE CONSTRUCTED AS PER SPECIFICATION.
9)PLINTH PROTECTION FOR AVERAGE WIDTH OF 1.0 METER AROUND THE PERIPHERY OF THE TOILET BLOCK SHALL BE PROVIDED WITH 230MM DRY RUBBLE PACKING AND 100MM THICK IN M15 GRADE CONCRETE WITH ROUGH KOTA STONE FLOORING.
10)POLISHED KOTA STONE TILES TO A HEIGHT OF 0.75 M ABOVE THE GROUND LEVEL SHALL BE PROVIDED TO TERRACE LEVEL EXTERNAL WALLS ALL ALONG THE EXTERNAL PERIPHERY OF THE TOILET BLOCK.
11)PROPER VENT ARRANGEMENT SHALL BE PROVIDED TO SEPTIC TANK BY FIXING VENT PIPES UPTO TERRACE LEVEL.
12)INTERCEPTING TRAP CHAMBER SHALL BE PROVIDED BEFORE CONNECTING THE TOILET BLOCK TO THE MAIN SEWER LINE.
13)FOR G+1 STRUCTURE RCC STAIRCASE SHALL BE PROVIDED WITH HEADROOM.
14)GROUND FLOOR STRUCTURE MS LADDER SHALL BE PROVIDED EXTERNALLY FOR ACCESS TO TERRACE.
15)EXTERNAL PLASTER 20 MM THK IN TWO COATS IN 1:4 C.M. WITH ADDITIONAL WATERPROOFING.
16)INTERNAL SAND FACE 20MM THICK PLASTER INSIDE & OUTSIDE OF UG TANK & SEPTIC TANK.
17)GRANITE STONE SHALL BE LAID FOR FLOORING IN PASSAGE & STAIRCASE.
18)LIGHT COLORED GLAZED CERAMIC TILES FOR DADO UPTO 2.2 M HEIGHT.
19)URINAL PARTITION OF 0.75 x 1.5 M IN GREEN MARBLE.
20)ALL DIMENSIONS ARE IN METER.
21)CLADDING OF ACP PANEL IN FRONT OF SIZE 2440MM x 1220MM x 0.25MM.
22)CHARGING POINT & WATER ATM WILL BE DONE AS PER SITE CONDITION AT THE TIME OF EXECUTION

SIGN & STAMP :		
SIGNATURES		
S.E.	A.E.	EX.ENGG.

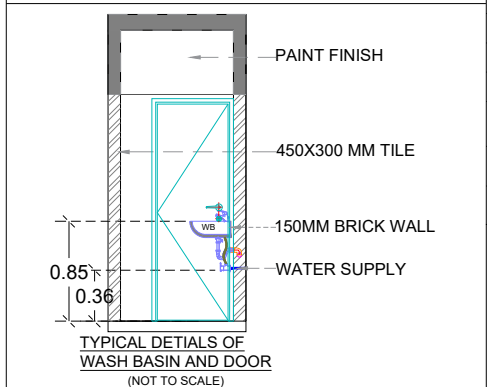
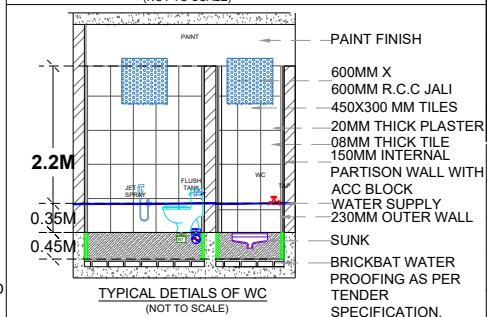
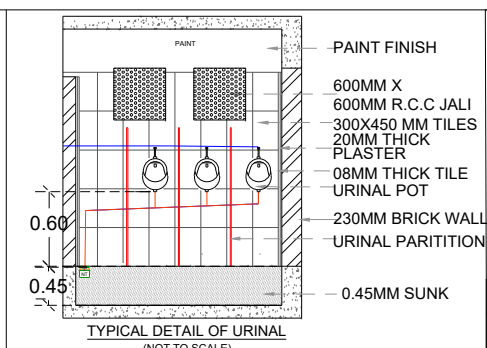
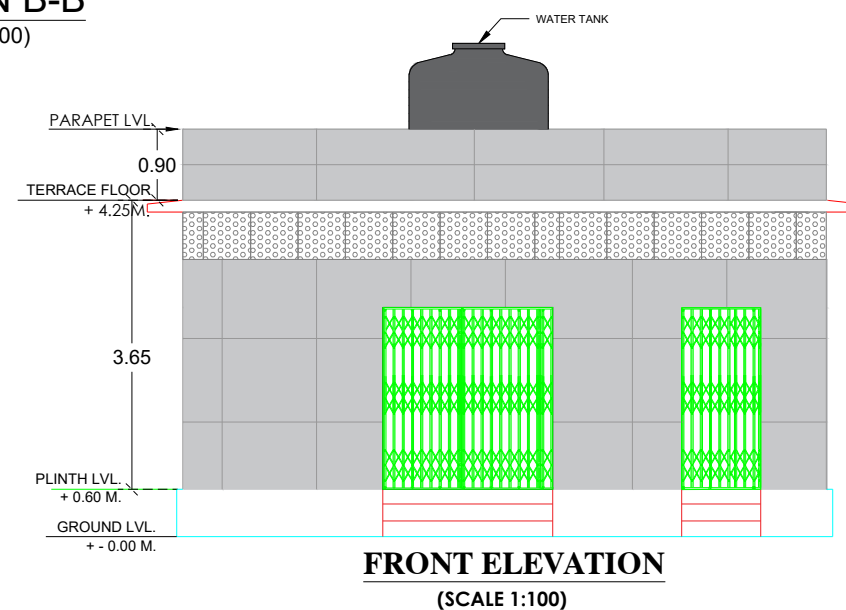
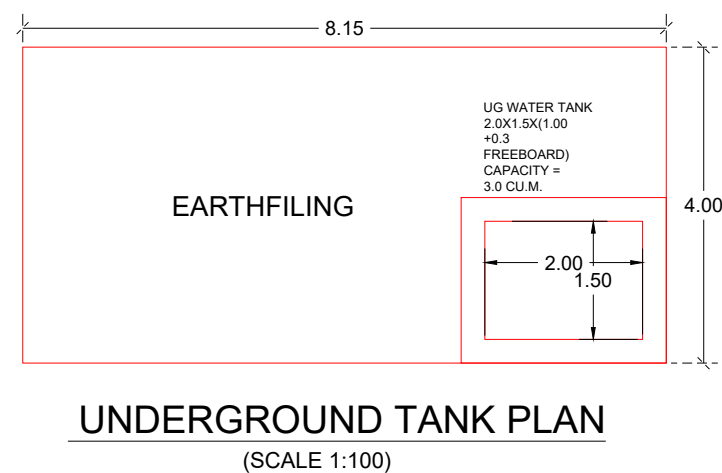
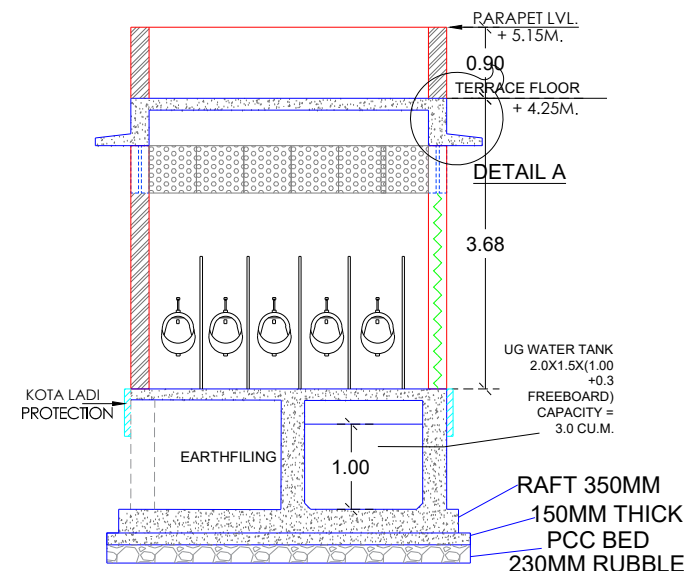
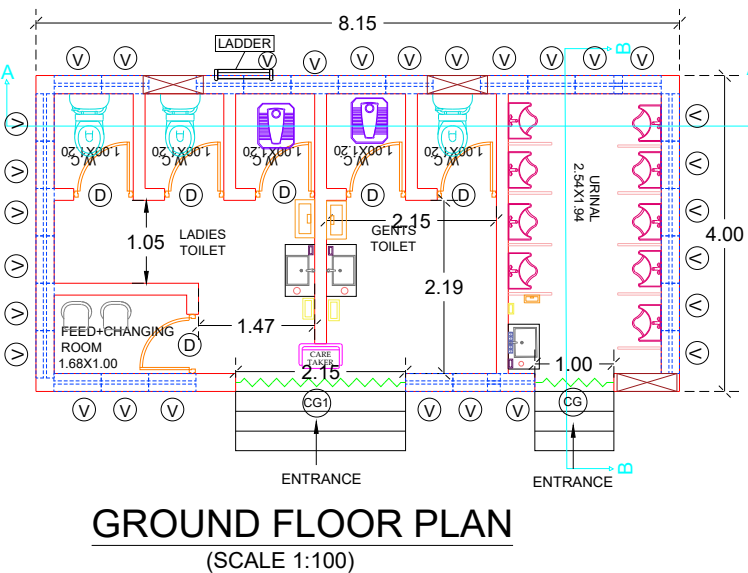
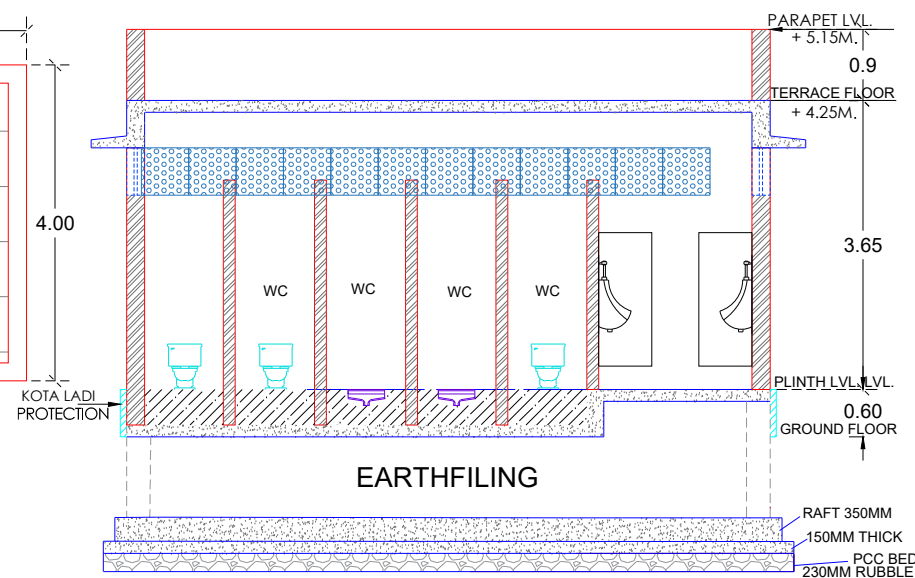
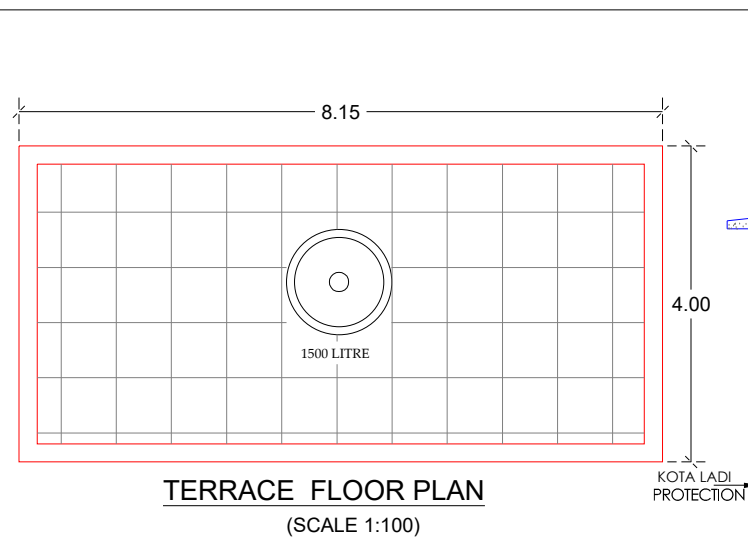
DRAWING INFORMATION			
TITLE	ARCHITECTURAL PLAN		
CONTENTS OF DRAWING	CONSTRUCTION OF ASPIRATIONAL / PUBLIC TOILET BLOCK		
SITE NAME	ANANDWAN NEAR POLICE CHOWKY		
REVISIONS	R1	-	DATE 26.06.2026
	R2	-	DATE
	R3	-	DATE
SCALE-1:100	DRY.BY:NAZIR	CHK.BY:-----	

CLIENT: BRIHANMUMBAI MUNICIPAL CORPORATION (BMC).

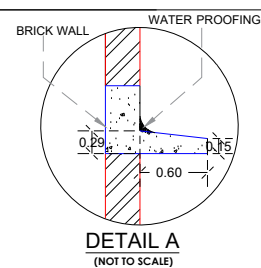


JIWANI CONSTRUMA PVT.LTD.
Adding Life to Structures

AN ISO 9001:2015 CERTIFIED COMPANY,
(ARCHITECTURAL & STRUCTURAL CONSULTANTS),
34-C, FILM CENTRE BUILDING, 3RD FLOOR, TARDEO ROAD, JANTA NAGAR, TARDEO, MUMBAI - 400 034.
EMAIL: INFO@JIWANIGROUP.IN TEL: 022 23861906.



NAME	SYMBOL	NOS
HAND WASH		03
HAND DRYER		03
MIRROR		03
TISSUE PAPER		03
EXHAUST FAN		03
WATER MOTOR - HP		01
AIR FRESHENER		03



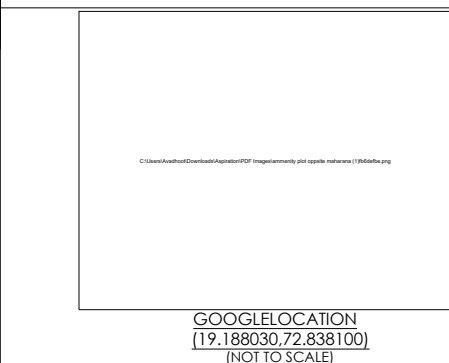
SCHEDULE OF TOILETS				
TYPE	GENTS	LADIES	COMMON HANDICAPPED	TOTAL
W.C.	02	03	-	05
SHOWER	-	-	-	-
WASHBASIN	02	01	-	03
URINAL	09	-	-	09

TANKS DESCRIPTION		
TYPE	CAPACITY	DIMENSION
UGT	15000 LITRE	5.0× 3.0 × 1.0
OHT	6500 LITRE	- - -

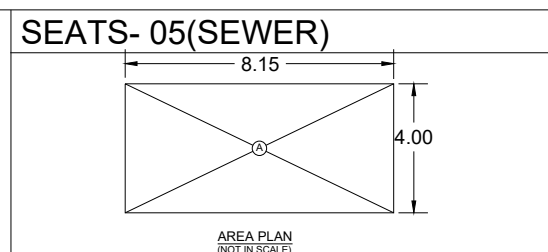
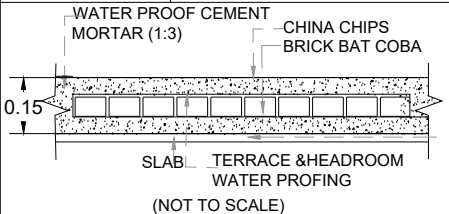
SCHEDULE OF DOOR & WINDOWS			
TYPE	NOS	SIZE	DESCRIPTION
D	05	0.75 X 1.9	FRP DOOR
D1	01	1.00 X 2.30	FRP DOOR
CG	01	1.0X 2.50	M.S. COLLAPSIBLE GATE
CG1	01	2.15 X 2.50	M.S. COLLAPSIBLE GATE
V	26	0.60 X 0.90	RCC VENTILATOR

B). CALCULATION FOR DESIGN OF UGWT
 REQUIRED UGWT
 $= 560 \text{ LITRES / SEAT}$
 $= 560 \times 05 = 2800 \text{ LITRES}$
 PROVIDED UGWT
 $= 2.0 \times 1.5 \times (1.0 + 0.30 \text{ FREEBOARD})$
 $= 3.0 \text{ CUM I.E. OK, SAFE}$

C). CALCULATION FOR DESIGN OF OHWT
 REQUIRED OHWT
 $= 280 \text{ LITRES / SEAT}$
 $= 280 \times 05 = 1400 \text{ LITRES}$
 PROVIDED OHWT
 $= 1500 \text{ LITRES I.E. OK, SAFE}$



WATERPROOFING DESCRIPTION	
	KOTA LADI PROTECTION
	2 COAT PLASTER WITH ADDED WATERPROOFING SOLUTION
	IPS WATER PROOFING



GROUND FLOOR AREA CALCULATIONS

ADDITIONS:

$$A = 8.15 \times 4.0 \times 1 = 32.6 \text{ sq.m}$$

TOTAL = 32.6 sq.m

NOTES:

- 1) PROVIDING AND APPLYING FIRST COAT OF APPROVED WATER PROOF PRIMER AND TWO COATS OF WATER PROOF ACRYLIC BASED EXTERIOR PAINT AS PER SHADE APPROVED BY WARD EXECUTIVE ENGINEER.
- 2) PRE CONSTRUCTION ANTI-TERMITE TREATMENT TO BE PROVIDED.
- 3) THE COUNTER FOR THE ATTENDANT SHALL BE LOCATED TO HAVE OVERALL CONTROL, WITH BLACK GRANITE.
- 4) A STATUTORY APPROVAL FROM CONCERNED AUTHORITY SHALL BE OBTAINED.
- 5) RAILING SHALL BE PROVIDED FOR PHYSICALLY CHALLENGED USERS ALONG WITH M.S. RAILING.
- 6) THE WATER PROOFING TREATMENT TO TERRACE SHALL BE DONE WITH BRICK BAT COBA WITH CHINA MOSAIC CHIPS TOP LAYER AS PER SPECIFICATION.
- 7) ALL THE PLUMBING WORK SHALL BE DONE IN CHLORINATED POLYVINYL CHLORIDE (CPVC). ALL THE DRAINAGE PIPES (RAIN WATER, SOIL PIPES AND VENT PIPES) & FITTINGS OF UPVC OF ISI MARK SHALL BE USED.
- 8) TOILET CLOSET CLOMBERS SHALL BE CONSTRUCTED AS PER SPECIFICATION.
- 9) PLINTH PROTECTION FOR AVERAGE WIDTH OF 1.0 METER AROUND THE PERIPHERY OF THE TOILET BLOCK SHALL BE PROVIDED WITH 230MM DRY RUBBLE PACKING AND 100MM THICK IN M15 GRADE CONCRETE WITH ROUGH KOTA STONE FLOORING.
- 10) POLISHED KOTA STONE TILES TO A HEIGHT OF 0.75 M ABOVE THE GROUND LEVEL SHALL BE PROVIDED TO TERRACE LEVEL. EXTERNAL WALLS ALL ALONG THE EXTERNAL PERIPHERY OF THE TOILET BLOCK.
- 11) TOILET CLOSET CLOMBERS SHALL BE PROVIDED TO SEPTIC TANK BY FIXING VENT PIPES UP TO TERRACE LEVEL.
- 12) INTERCEPTING TRAP CHAMBER SHALL BE PROVIDED BEFORE CONNECTING THE TOILET BLOCK TO THE MAIN SEWER LINE.
- 13) FOR G+1 STRUCTURE RCC STAIRCASE SHALL BE PROVIDED WITH HEADROOM.
- 14) GROUND FLOOR STRUCTURE MS LADDER SHALL BE PROVIDED EXTERNALLY FOR ACCESS TO TERRACE.
- 15) EXTERNAL PLASTER 20 MM THK IN TWO COATS IN 1:4 C.M. WITH ADDITIONAL WATER PROOFING.
- 16) INTERNAL SAND FACE 20MM THICK PLASTER INSIDE & OUTSIDE OF UG TANK & SEPTIC TANK.
- 17) GRANITE STONE SHALL BE LAID FOR FLOORING IN PASSAGE & STAIRCASE.
- 18) LIGHT COLORED GLAZED CERAMIC TILES FOR DADO UP TO 2.2 M HEIGHT.
- 19) JURNAL PARTITION OF 0.75 x 1.8 M IN GREEN MARBLE.
- 20) ALL DIMENSIONS ARE IN METER
- 21) CLODDING OF ACP PANEL IN FRONT OF SIZE 2440MM x 1220MM x 0.25MM.
- 22) CHARGING POINT & WATER ATM WILL BE DONE AS PER SITE CONDITION AT THE TIME OF EXECUTION

SIGN & STAMP :

SIGNATURES

S.E.	A.E.	EX.ENGG.

DRAWING INFORMATION

TITLE	ARCHITECTURAL PLAN		
CONTENTS OF DRAWING	CONSTRUCTION OF ASPIRATIONAL / PUBLIC TOILET BLOCK		
SITE NAME	AMMENITY PLOT OPPOSITE MAHARANA PRATAP PLAYGROUND		
REVISIONS	R1	-	DATE 26.06.2026
	R2	-	DATE
	R3	-	DATE

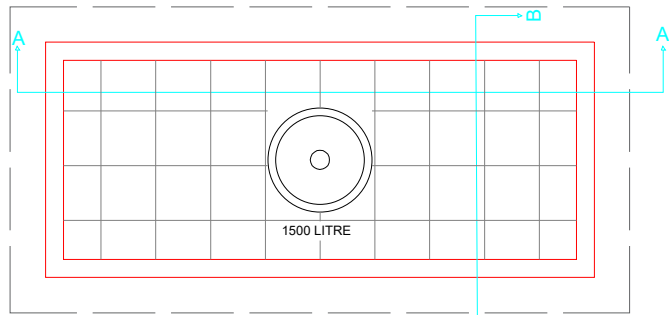
SCALE-1:100	DRY.BY:NAZIR	CHK.BY:-----
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CLIENT: BRIHANMUMBAI MUNICIPAL CORPORATION
(BMC).

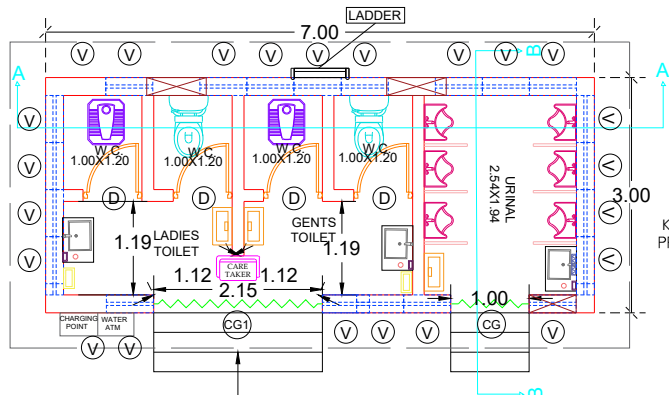


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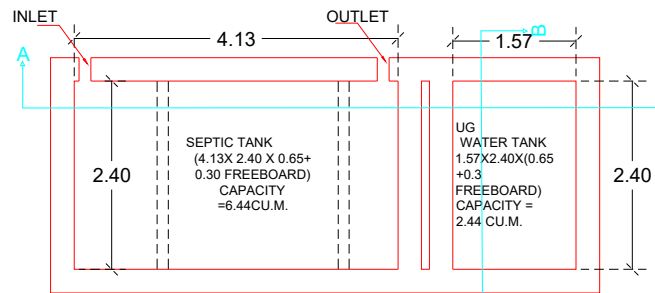
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(ARCHITECTURAL & STRUCTURAL CONSULTANTS),
34-C, FILM CENTRE BUILDING, 3RD FLOOR, TARDEO
ROAD, JANTA NAGAR, TARDEO, MUMBAI - 400 034.
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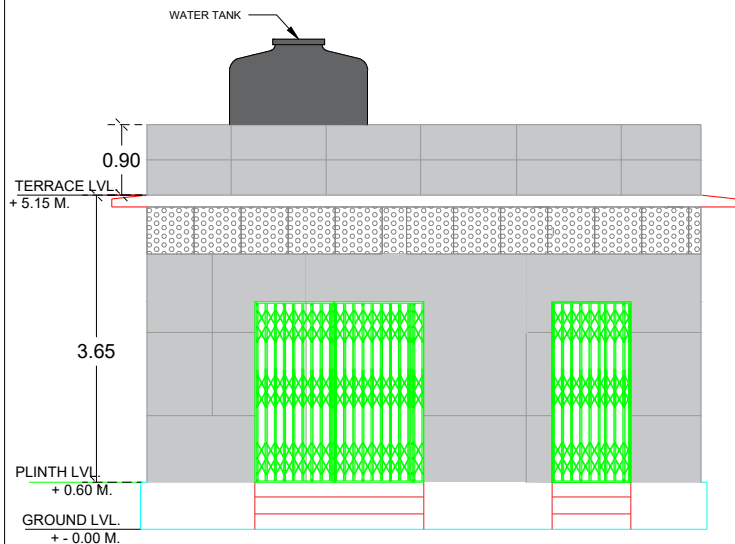
TERRACE FLOOR PLAN
(SCALE 1:100)



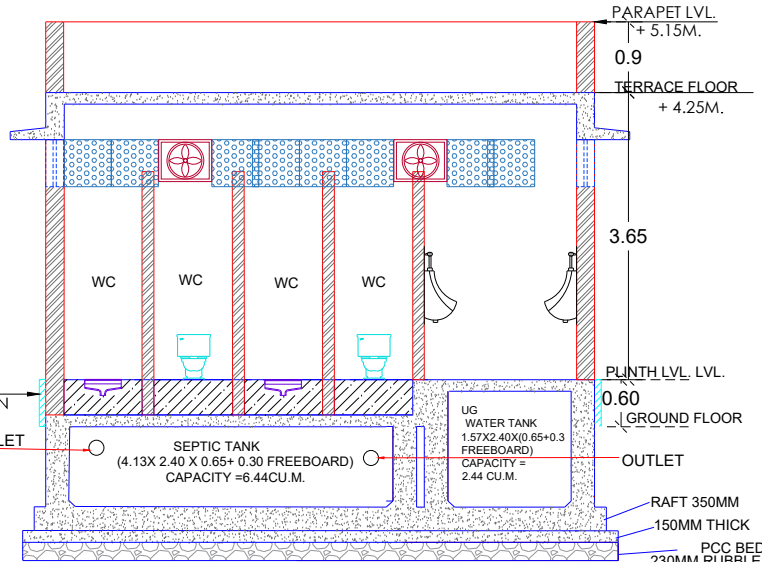
GROUND FLOOR PLAN
(SCALE 1:100)



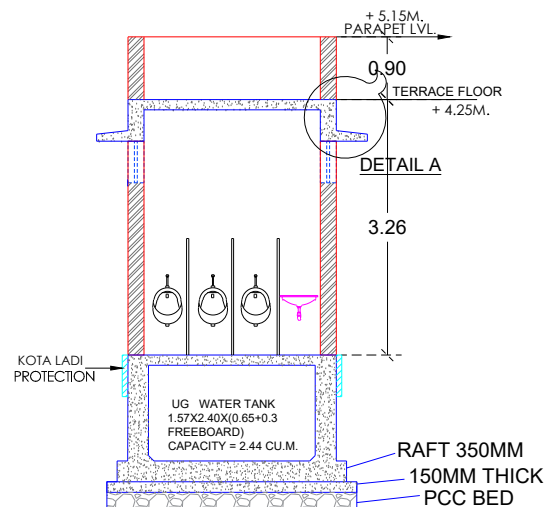
UNDERGROUND TANK PLAN
(SCALE 1:100)



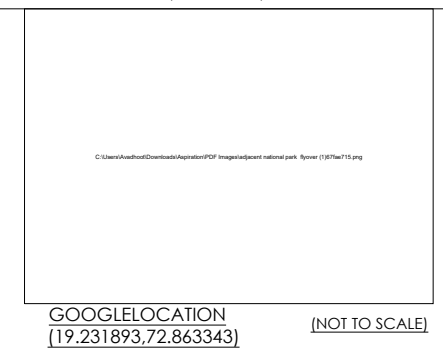
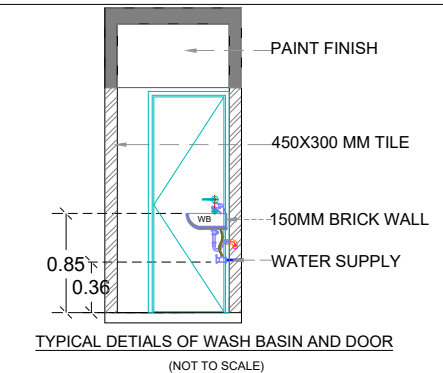
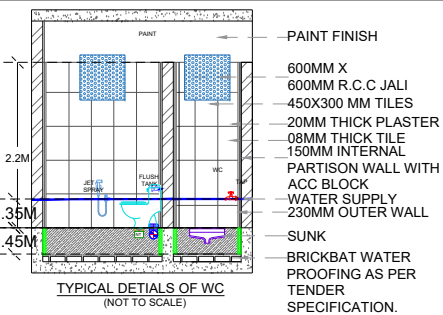
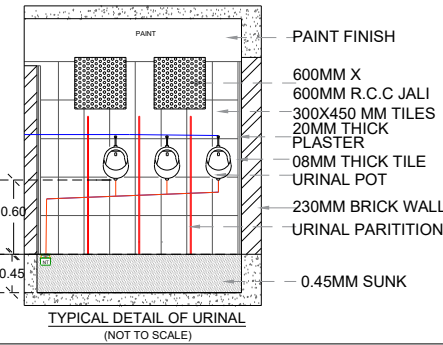
FRONT ELEVATION
(SCALE 1:100)



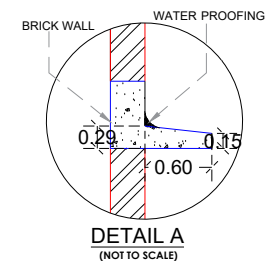
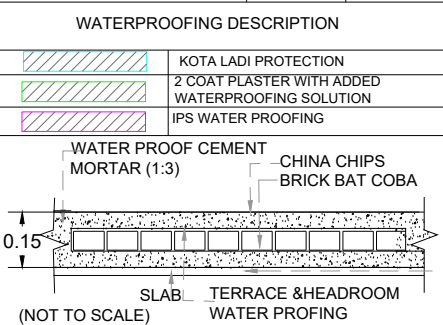
SECTION A-A
(SCALE 1:100)



SECTION B-B
(SCALE 1:100)



	SYMBOL	NOS
EXHAUST FAN		03
WATER MOTOR - HP		01
AIR FRESHENER		03
TISSUE PAPER		03
HAND WASH		03
HAND DRYER		02
MIRROR		03



SCHEDULE OF TOILETS				
TYPE	GENTS	LADIES	COMMON HANDICAPPED	TOTAL
W.C.	02	02	00	04
SHOWER	00	00	-	00
WASHBASIN	02	01	00	03
URINAL	06	00	-	06

TANKS DESCRIPTION		
TYPE	CAPACITY	DIMENSION
UGT	6440 LITRE	2.20 x 4.00 x 0.65
SEPTIC	2440 LITRE	6.74 x 4.00 x 0.65
OHT	1500 LITRE	- - -

SCHEDULE OF DOOR & WINDOWS			
TYPE	NOS	SIZE	DESCRIPTION
D	04	0.75 X 1.9	FRP DOOR
D1	00	1.00 X 2.30	FRP DOOR
CG	01	1.00 X 2.50	M.S. COLLAPSIBLE GATE
CG1	01	2.15 X 2.50	M.S. COLLAPSIBLE GATE
V	26	0.60 X 0.90	RCC VENTILATOR

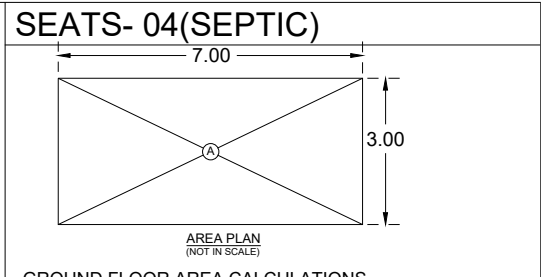
DESIGN OF SEPTIC TANK CALCULATIONS-			
A). ASSUMPTIONS FOR SEPTIC TANK CALCULATION			
1). NO. OF USERS PER SEAT : 10			
2). SLUDGE CLEANING INTERVAL : 3 MONTHS			
3). SLUDGE ACCUMULATION RATE : 0.00021 CUM PER CAPITA PER DAY			
4). WASTE WATER DETENTION PERIOD : 2 DAYS			
5). WASTE WATER ENTERING THE TANK : 8 LITRES PER USER			
6). SCUM ACCUMULATION : 30% OF SLUDGE VOLUME			
7). TOTAL CAPACITY OF SEPTIC TANK = WASTE WATER + SLUDGE + SCUM			

A) WASTE WATER ENTERING IN SEPTIC TANK = $35 \times 16 = 560$ USERS
= $8 \times 560 = 4480$ LITRES PER DAY
TOTAL CAPACITY OF SEPTIC TANK (DETENTION PERIOD 2 DAYS)
= 2×4480
= 8.96 CUM (I)
B) VOLUME OF SLUDGE STORAGE
= $0.00021 \times 560 \times 182.5$
= 21.46 CUM (II)
C) VOLUME OF SCUM
= $0.30 \times 21.46 = 6.43$ CUM (III)
REQUIRED TOTAL CAPACITY OF SEPTIC TANK
= $8.96 + 21.46 + 6.43 = 36.85$ CUM
PROVIDED OVERALL INTERNAL SIZE OF TANK
= $(6.58 \times 4.90 \times (1.3 + 0.30 \text{ FREEBOARD}))$
= 41.91 CUM I.E. OK, SAFE
B). CALCULATION FOR DESIGN OF UGWT
REQUIRED UGWT
= 560 LITRES / SEAT
= $560 \times 16 = 8.96$ LITRES
PROVIDED UGWT
= $2.12 \times 4.90 \times (1.3 + 0.30 \text{ FREEBOARD})$
= 13.50 CUM I.E. OK, SAFE
C). CALCULATION FOR DESIGN OF OHWT
REQUIRED OHWT
= 280 LITRES / SEAT
= $280 \times 16 = 4480$ LITRES
PROVIDED OHWT
= 5000 LITRES I.E. OK, SAFE

A) WASTE WATER ENTERING IN SEPTIC TANK = $35 \times 16 = 560$ USERS
= $8 \times 560 = 4480$ LITRES PER DAY
TOTAL CAPACITY OF SEPTIC TANK (DETENTION PERIOD 2 DAYS)
= 2×4480
= 8.96 CUM (I)
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= $8 \times 560 = 4480$ LITRES PER DAY
TOTAL CAPACITY OF SEPTIC TANK (DETENTION PERIOD 2 DAYS)
= 2×4480
= 8.96 CUM (I)
B) VOLUME OF SLUDGE STORAGE
= $0.00021 \times 560 \times 182.5$
= 21.46 CUM (II)
C) VOLUME OF SCUM
= $0.30 \times 21.46 = 6.43$ CUM (III)
REQUIRED TOTAL CAPACITY OF SEPTIC TANK
= $8.96 + 21.46 + 6.43 = 36.85$ CUM
PROVIDED OVERALL INTERNAL SIZE OF TANK
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= 41.91 CUM I.E. OK, SAFE
B). CALCULATION FOR DESIGN OF UGWT
REQUIRED UGWT
= 560 LITRES / SEAT
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PROVIDED UGWT
= $2.12 \times 4.90 \times (1.3 + 0.30 \text{ FREEBOARD})$
= 13.50 CUM I.E. OK, SAFE
C). CALCULATION FOR DESIGN OF OHWT
REQUIRED OHWT
= 280 LITRES / SEAT
= $280 \times 16 = 4480$ LITRES
PROVIDED OHWT
= 5000 LITRES I.E. OK, SAFE

A) WASTE WATER ENTERING IN SEPTIC TANK = $35 \times 16 = 560$ USERS
= $8 \times 560 = 4480$ LITRES PER DAY
TOTAL CAPACITY OF SEPTIC TANK (DETENTION PERIOD 2 DAYS)
= 2×4480
= 8.96 CUM (I)
B) VOLUME OF SLUDGE STORAGE
= $0.00021 \times 560 \times 182.5$
= 21.46 CUM (II)
C) VOLUME OF SCUM
= $0.30 \times 21.46 = 6.43$ CUM (III)
REQUIRED TOTAL CAPACITY OF SEPTIC TANK
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PROVIDED OVERALL INTERNAL SIZE OF TANK
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C). CALCULATION FOR DESIGN OF OHWT
REQUIRED OHWT
= 280 LITRES / SEAT
= $280 \times 16 = 4480$ LITRES
PROVIDED OHWT
= 5000 LITRES I.E. OK, SAFE



GROUND FLOOR AREA CALCULATIONS
ADDITIONS:
A = 7.0 X 3.0 X 1 = 21.0 sq.m
TOTAL = 21.0 sq.m

NOTES:
1) PROVIDING AND APPLYING FIRST COAT OF APPROVED WATER PROOF PRIMER AND TWO COATS OF WATER PROOF ACRYLIC BASED EXTERIOR PAINT AS PER SHADE APPROVED BY WARD EXECUTIVE ENGINEER.
2) PRE CONSTRUCTION ANTI-TERMITE TREATMENT TO BE PROVIDED.
3) THE COUNTER FOR THE ATTENDANT SHALL BE LOCATED TO HAVE OVERALL CONTROL WITH BLACK GRANITE.
4) ANY STATUTORY APPROVAL FROM CONCERNED AUTHORITY SHALL BE OBTAINED.
5) A RAMP SHALL BE PROVIDED FOR PHYSICALLY CHALLENGED USERS ALONGWITH M.S. RAILING.
6) THE WATER PROOFING TREATMENT TO TERRACE SHALL BE DONE WITH BRICK BAT COBA WITH CHINA MOSAIC CHIPS TOP LAYER AS PER SPECIFICATION.
7) ALL THE PLUMBING WORK SHALL BE DONE IN CHLORINATED POLYVINYL CHLORIDE (CPVC). ALL THE DRAINAGE PIPES (RAIN WATER, SOIL PIPES AND VENT PIPES) & FITTINGS OF UPVC OF ISI MARK SHALL BE USED.
8) THE INSPECTION CHAMBERS SHALL BE CONSTRUCTED AS PER SPECIFICATION.
9) PLINTH PROTECTION FOR AVERAGE WIDTH OF 1.0 METER AROUND THE PERIPHERY OF THE TOILET BLOCK SHALL BE PROVIDED WITH 230MM DRY RUBBLE PACKING AND 100MM THICK IN M15 GRADE CONCRETE WITH ROUGH KOTA STONE FLOORING.
10) POLISHED KOTA STONE TILES TO A HEIGHT OF 0.75 M ABOVE THE GROUND LEVEL SHALL BE PROVIDED TO TERRACE LEVEL EXTERNAL WALLS ALL ALONG THE EXTERNAL PERIPHERY OF THE TOILET BLOCK.
11) PROPER VENT ARRANGEMENT SHALL BE PROVIDED TO SEPTIC TANK BY FIXING VENT PIPES UPTO TERRACE LEVEL.
12) INTERCEPTING TRAP CHAMBER SHALL BE PROVIDED BEFORE CONNECTING THE TOILET BLOCK TO THE MAIN SEWER LINE.
13) FOR G+1 STRUCTURE RCC STAIRCASE SHALL BE PROVIDED WITH HEADROOM.
14) GROUND FLOOR STRUCTURE MS LADDER SHALL BE PROVIDED EXTERNALLY FOR ACCESS TO TERRACE.
15) EXTERNAL PLASTER 20 MM THK IN TWO COATS IN 1:4 C.M. WITH ADDITIONAL WATERPROOFING.
16) INTERNAL SAND FACE 20MM THICK PLASTER INSIDE & OUTSIDE OF UG TANK & SEPTIC TANK.
17) GRANITE STONE SHALL BE LAID FOR FLOORING IN PASSAGE & STAIRCASE.
18) LIGHT COLORED GLAZED CERAMIC TILES FOR DADO UPTO 2.2 M HEIGHT.
19) URINAL PARTITION OF 0.75 x 1.8 M IN GREEN MARBLE.
20) ALL DIMENSIONS ARE IN METER.
21) CLADDING OF ACP PANEL IN FRONT OF SIZE 2440MM x 1220MM x 0.25MM.
22) CHARGING POINT & WATER ATM WILL BE DONE AS PER SITE CONDITION AT THE TIME OF EXECUTION
23) THE INLET AND THE OUTLET OF THE SEPTIC TANK WILL VARY AS PER SITE CONDITIONS

SIGN & STAMP :

SIGNATURES

S.E.	A.E.	EX.ENGG.
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DRAWING INFORMATION

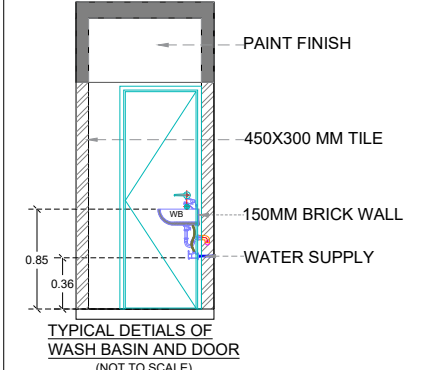
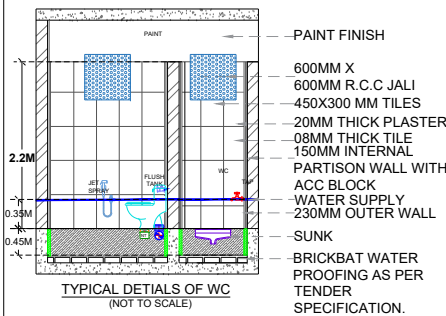
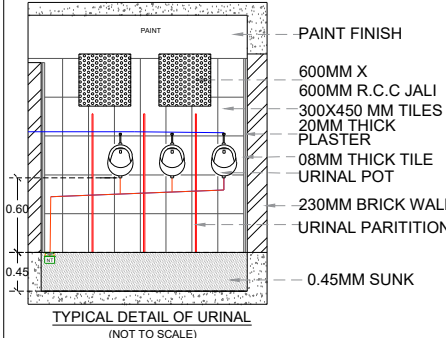
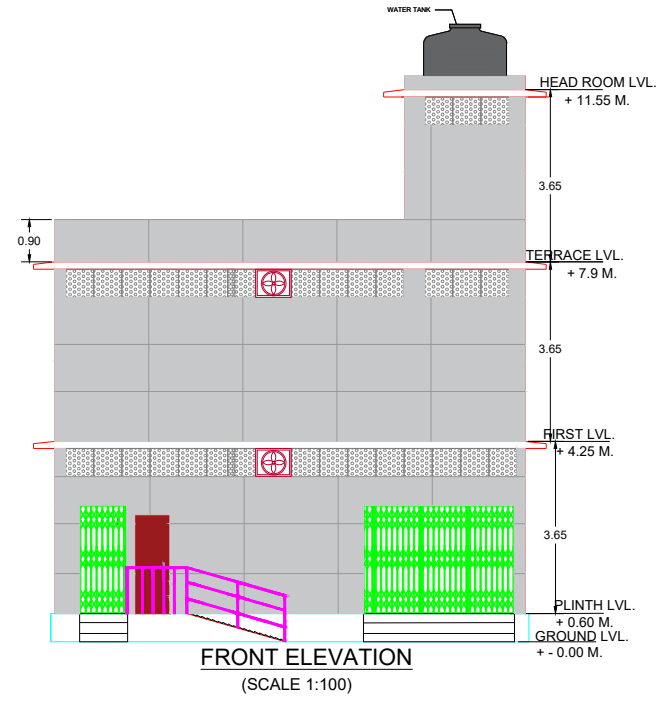
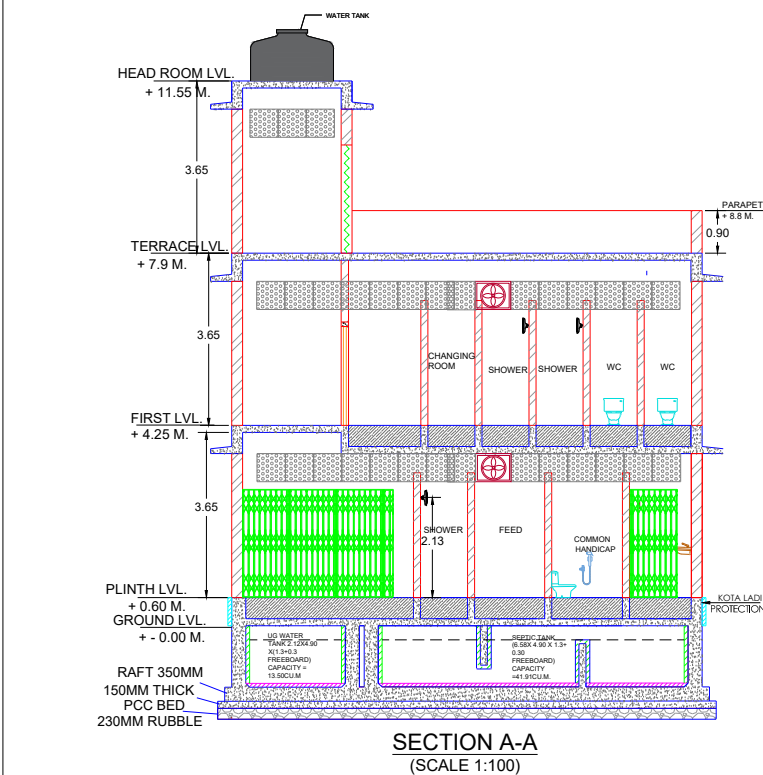
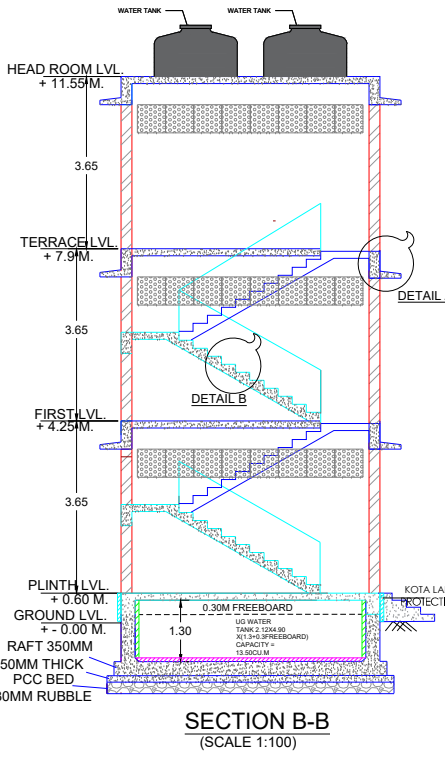
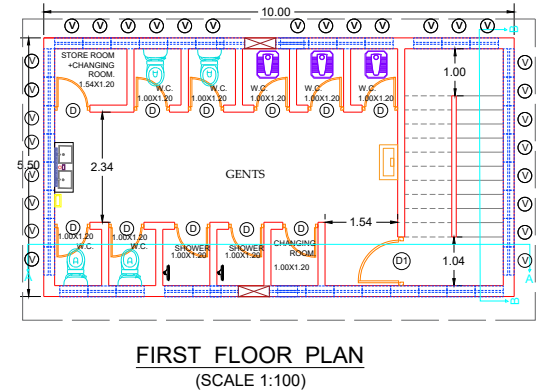
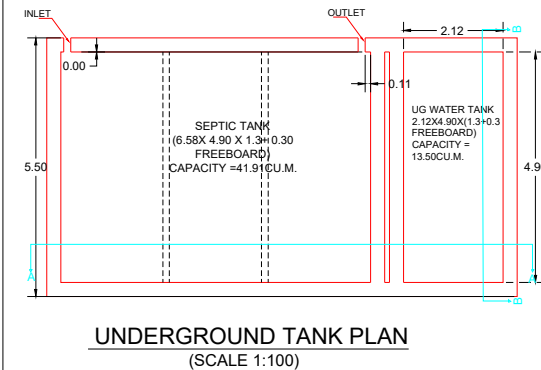
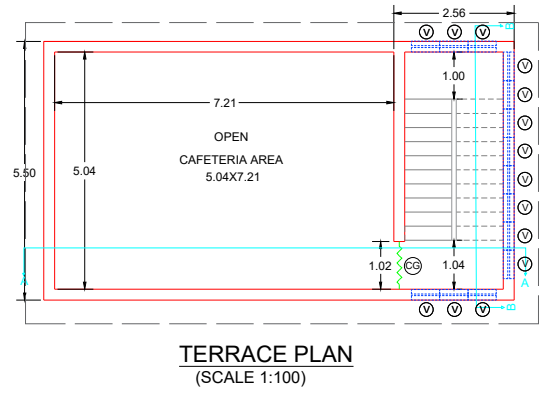
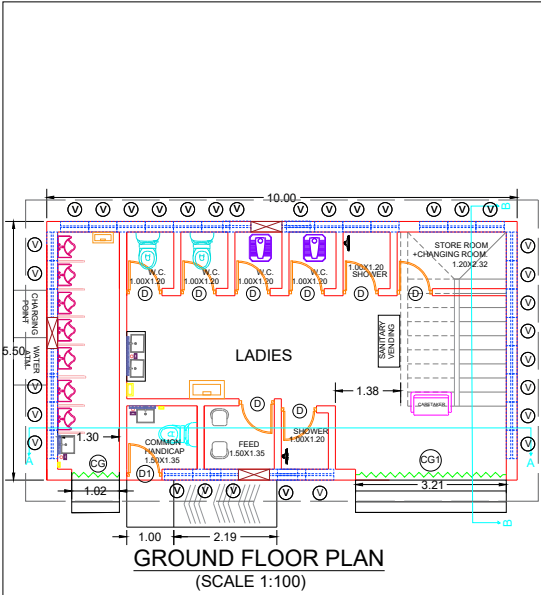
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CONTENTS OF DRAWING	CONSTRUCTION OF ASPIRATIONAL / PUBLIC TOILET BLOCK		
SITE NAME	ADJACENT TO NATIONAL PARK FLYOVER,		
REVISIONS	R1 -	DATE	26.06.2026
	R2 -	DATE	
	R3 -	DATE	

SCALE-1:100 DRY.BY:NAZIR CHK.BY:-----

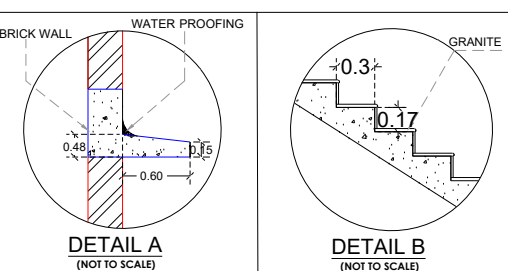
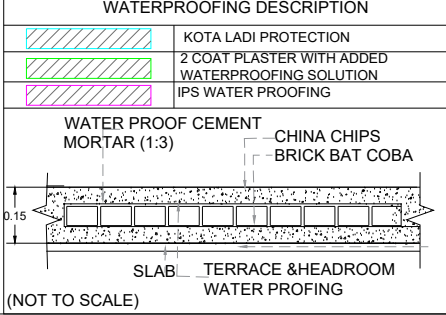
CLIENT: BRIHANMUMBAI MUNICIPAL CORPORATION (BMC).

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AN ISO 9001:2015 CERTIFIED COMPANY,
(ARCHITECTURAL & STRUCTURAL CONSULTANTS),
34-C, FILM CENTRE BUILDING, 3RD FLOOR, TARDEO ROAD, JANTA NAGAR, TARDEO, MUMBAI - 400 034.
EMAIL: INFO@JIWANIGROUP.IN TEL: 022 23861906.



NAME	SYMBOL	NOS
HAND WASH		04
HAND DRYER		04
MIRROR		04
TISSUE PAPER		04
EXHAUST FAN		05
WATER MOTOR - HP		01
AIR FRESHENER		03



SCHEDULE OF TOILETS				
TYPE	GENTS	LADIES	COMMON HANDICAPPED	TOTAL
W.C.	07	04	01	12
SHOWER	02	02	-	04
WASHBASIN	03	02	01	06
URINAL	07	00	-	07

TANKS DESCRIPTION		
TYPE	CAPACITY	DIMENSION
UGT	13500 LITRE	2.12 x 4.90 x 1.3
SEPTIC	41910 LITRE	6.58 x 4.90 x 1.3
OHT	5000 LITRE	---

SCHEDULE OF DOOR & WINDOWS			
TYPE	NOS	SIZE	DESCRIPTION
D	19	0.75 X 1.9	FRP DOOR
D1	02	1.00 X 2.30	FRP DOOR
CG	02	1.02 X 2.50	M.S. COLLAPSIBLE GATE
CG1	01	3.21 X 2.50	M.S. COLLAPSIBLE GATE
V	105	0.60 X 0.90	RCC VENTILATOR

DESIGN OF SEPTIC TANK CALCULATIONS-
A). ASSUMPTIONS FOR SEPTIC TANK CALCULATION
1). NO. OF USERS PER SEAT : 10
2). SLUDGE CLEANING INTERVAL : 3 MONTHS
3). SLUDGE ACCUMULATION RATE : 0.00021 CUM PER CAPITA PER DAY
4). WASTE WATER DETENTION PERIOD : 2 DAYS
5). WASTE WATER ENTERING THE TANK : 8 LITRES PER USER
6). SCUM ACCUMULATION : 30% OF SLUDGE VOLUME
7). TOTAL CAPACITY OF SEPTIC TANK = WASTE WATER + SLUDGE + SCUM

A) WASTE WATER ENTERING IN SEPTIC TANK
= 35 x 16 = 560 USERS
= 8 x 560 = 4480 LITRES PER DAY
TOTAL CAPACITY OF SEPTIC TANK (DETENTION PERIOD 2 DAYS)
= 2 x 4480
= 8.96 CUM (I)
B) VOLUME OF SLUDGE STORAGE
= 0.00021 x 560 x 182.5
= 21.46 CUM (II)
C) VOLUME OF SCUM
= 0.30 x 21.46 = 6.43 CUM (III)
REQUIRED TOTAL CAPACITY OF SEPTIC TANK
= 8.96 + 21.46 + 6.43 = 36.85 CUM
PROVIDED OVERALL INTERNAL SIZE OF TANK
= (6.58 x 4.90 x (1.3 + 0.30 FREEBOARD))
= 41.91 CUM I.E. OK, SAFE
B). CALCULATION FOR DESIGN OF UGWT
REQUIRED UGWT
= 560 LITRES / SEAT
= 560 x 16 = 8.96 LITRES
PROVIDED UGWT
= 2.12 x 4.90 x (1.3 + 0.30 FREEBOARD)
= 13.50 CUM I.E. OK, SAFE
C). CALCULATION FOR DESIGN OF OHWT
REQUIRED OHWT
= 280 LITRES / SEAT
= 280 x 16 = 4480 LITRES
PROVIDED OHWT
= 5000 LITRES I.E. OK, SAFE



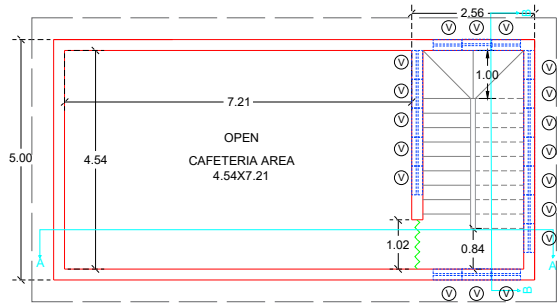
SIGN & STAMP :		
SIGNATURES		
S.E.	A.E.	EX.ENGG.

DRAWING INFORMATION		
TITLE	ARCHITECTURAL PLAN	
CONTENTS OF DRAWING	CONSTRUCTION OF ASPIRATIONAL / PUBLIC TOILET BLOCK	
SITE NAME	NEAR TALAO , AAREY GARDEN , AAREY ROAD, GOREGAON (E) P/SOUTH	
REVISIONS	R1 -	DATE 26.06.2026
	R2 -	DATE
	R3 -	DATE
SCALE-1:100	DRY.BY:NAZIR	CHK.BY:-----

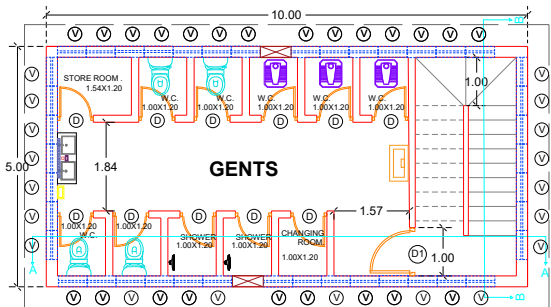
CLIENT: BRIHANMUMBAI MUNICIPAL CORPORATION (BMC).

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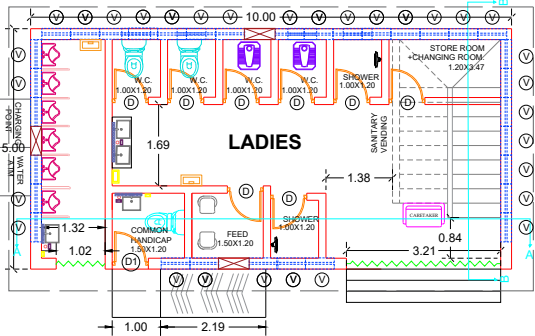
AN ISO 9001:2015 CERTIFIED COMPANY,
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34-C, FILM CENTRE BUILDING, 3RD FLOOR, TARDEO ROAD, JANTA NAGAR, TARDEO, MUMBAI - 400 034.
EMAIL: INFO@JIWANIGROUP.IN TEL: 022 23861906.



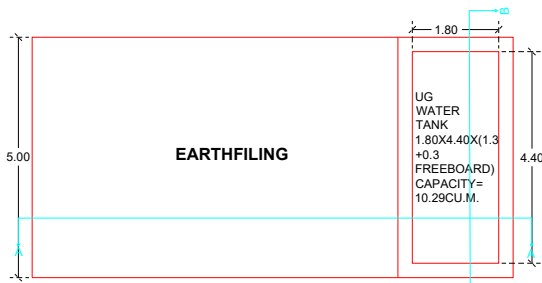
TERRACE PLAN
(SCALE 1:100)



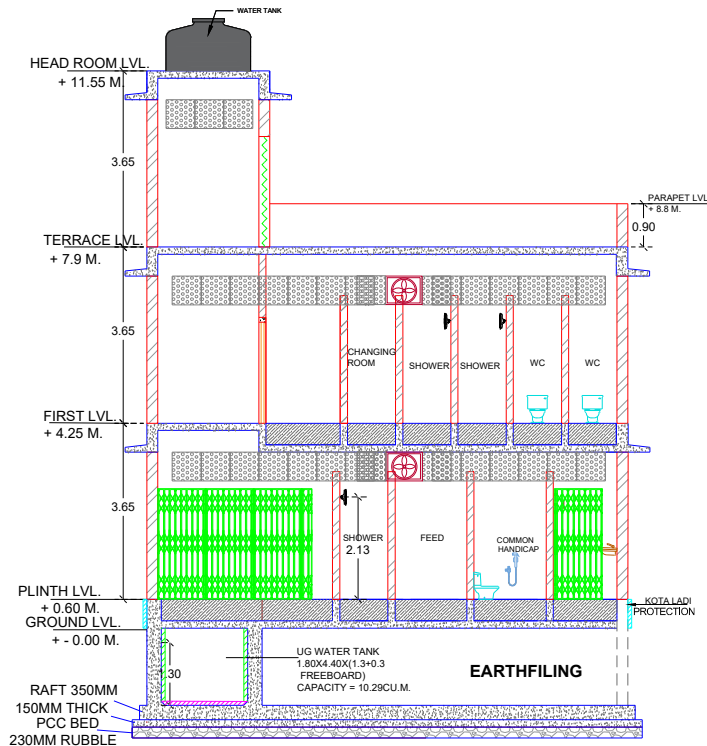
FIRST FLOOR PLAN
(SCALE 1:100)



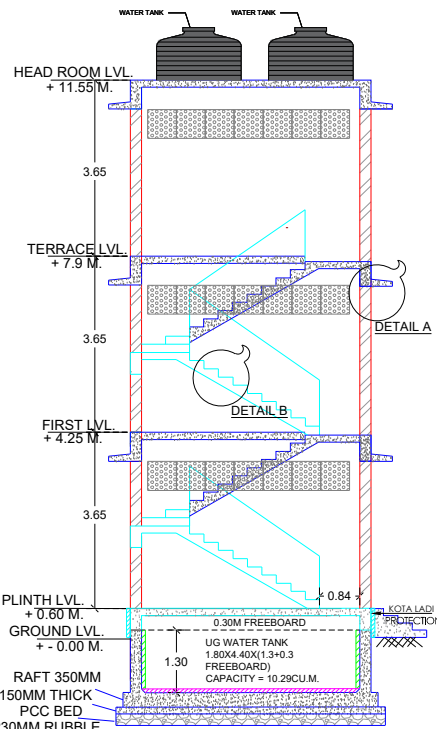
GROUND FLOOR PLAN
(SCALE 1:100)



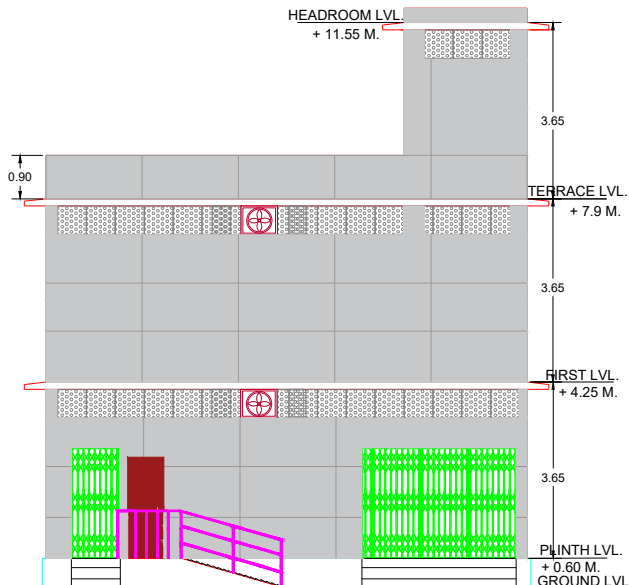
UNDERGROUND TANK PLAN
(SCALE 1:100)



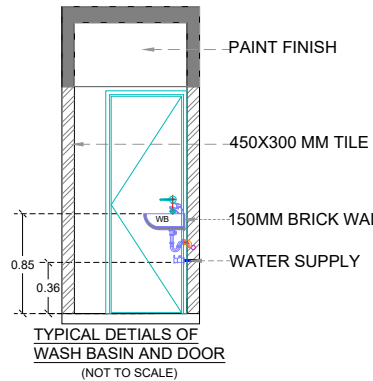
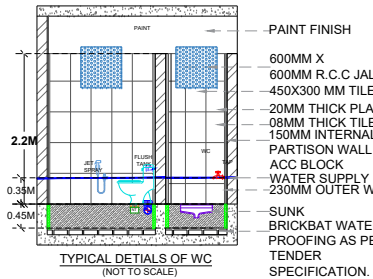
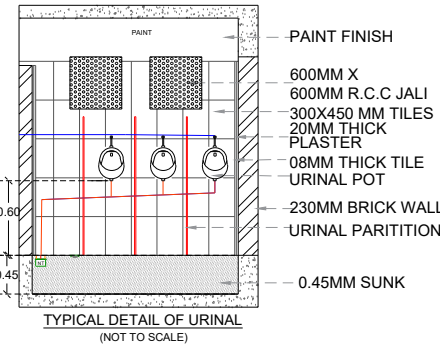
SECTION A-A
(SCALE 1:100)



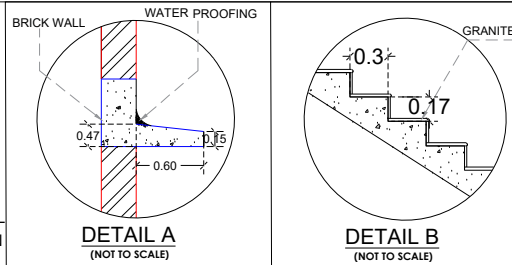
SECTION B-B
(SCALE 1:100)



FRONT ELEVATION
(SCALE 1:100)



NAME	SYMBOL	NOS
HAND WASH		04
HAND DRYER		04
MIRROR		04
TISSUE PAPER		04
EXHAUST FAN		05
WATER MOTOR - HP		01
AIR FRESHENER		03



SCHEDULE OF TOILETS				
TYPE	GENTS	LADIES	COMMON HANDICAPPED	TOTAL
W.C.	07	04	01	12
SHOWER	02	02	-	04
WASHBASIN	03	02	01	06
URINAL	06	00	-	06

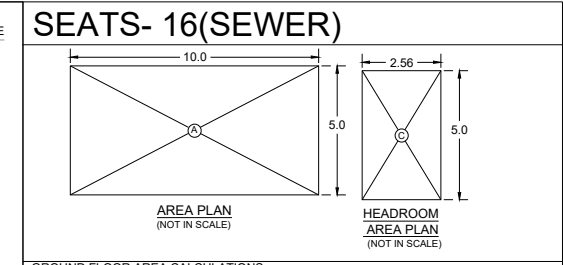
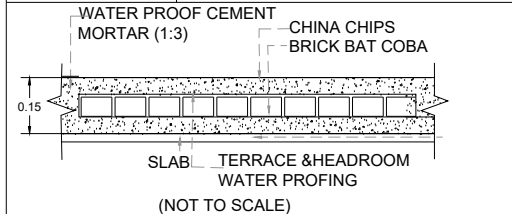
TANKS DESCRIPTION		
TYPE	CAPACITY	DIMENSION
UGT	10290 LITRE	1.8 x 4.50 x 1.3
OHT	5000 LITRE	- - -

SCHEDULE OF DOOR & WINDOWS			
TYPE	NOS	SIZE	DESCRIPTION
D	19	0.75 X 1.9	FRP DOOR
D1	02	1.00 X 2.30	FRP DOOR
CG	02	1.02 X 2.50	M.S. COLLAPSIBLE GATE
CG1	01	3.21 X 2.50	M.S. COLLAPSIBLE GATE
V	105	0.60 X 0.90	RCC VENTILATOR

B). CALCULATION FOR DESIGN OF UGWT
REQUIRED UGWT
= 560 LITRES / SEAT
= 560 x 16= 8.96 LITRES
PROVIDED UGWT
= 1.80 x 4.50 x (1.30 + 0.30 FREEBOARD)
= 10.29 CUM I.E. OK, SAFE
C). CALCULATION FOR DESIGN OF OHWT
REQUIRED OHWT
= 280 LITRES / SEAT
= 280 x 16 = 4480 LITRES
PROVIDED OHWT
= 5000 LITRES I.E. OK, SAFE



WATERPROOFING DESCRIPTION	
	KOTA LADI PROTECTION
	2 COAT PLASTER WITH ADDED WATERPROOFING SOLUTION
	IPS WATER PROOFING



GROUND FLOOR AREA CALCULATIONS	
ADDITIONS:	
A = 10.0 X 5.0 X 1	= 50.0 sq.m
FIRST FLOOR AREA CALCULATIONS	
A = 10.0 X 5.0 X 1	= 50.0 sq.m
HEADROOM AREA CALCULATIONS	
C = 2.56 X 5.0 X 1	= 12.08 sq.m
TOTAL	= 112.08 sq.m

NOTES:
1)PROVIDING AND APPLYING FIRST COAT OF APPROVED WATER PROOF PRIMER AND TWO COATS OF WATER PROOF ACRYLIC BASED EXTERIOR PAINT AS PER SHADE APPROVED BY WARD EXECUTIVE ENGINEER.
2)PRE CONSTRUCTION ANTI-TERMITE TREATMENT TO BE PROVIDED.
3)THE COUNTER FOR THE ATTENDANT SHALL BE LOCATED TO HAVE OVERALL CONTROL WITH BLACK GRANITE.
4)ANY STATUTORY APPROVAL FROM CONCERNED AUTHORITY SHALL BE OBTAINED.
5)A RAMP SHALL BE PROVIDED FOR PHYSICALLY CHALLENGED USERS ALONGWITH M.S. RAILING.
6)THE WATER PROOFING TREATMENT TO TERRACE SHALL BE DONE WITH BRICK BAT COBA WITH CHINA MOSAIC CHIPS TOP LAYER AS PER SPECIFICATION.
7)ALL THE PLUMBING WORK SHALL BE DONE IN CHLORINATED POLYVINYL CHLORIDE (CPVC). ALL THE DRAINAGE PIPES (RAIN WATER, SOIL PIPES AND VENT PIPES) & FITTINGS OF UPVC OF ISI MARK SHALL BE USED.
8)THE INSPECTION CHAMBERS SHALL BE CONSTRUCTED AS PER SPECIFICATION.
9)PLINTH PROTECTION FOR AVERAGE WIDTH OF 1.0 METER AROUND THE PERIPHERY OF THE TOILET BLOCK SHALL BE PROVIDED WITH 230MM DRY RUBBLE PACKING AND 100MM THICK IN M15 GRADE CONCRETE WITH ROUGH KOTA STONE FLOORING.
10)POLISHED KOTA STONE TILES TO A HEIGHT OF 0.75 M ABOVE THE GROUND LEVEL SHALL BE PROVIDED TO TERRACE LEVEL EXTERNAL WALLS ALL ALONG THE EXTERNAL PERIPHERY OF THE TOILET BLOCK.
11)PROPER VENT ARRANGEMENT SHALL BE PROVIDED TO SEPTIC TANK BY FIXING VENT PIPES UPTO TERRACE LEVEL.
12)INTERCEPTING TRAP CHAMBER SHALL BE PROVIDED BEFORE CONNECTING THE TOILET BLOCK TO THE MAIN SEWER LINE.
13)FOR G+1 STRUCTURE RCC STAIRCASE SHALL BE PROVIDED WITH HEADROOM.
14)GROUND FLOOR STRUCTURE MS LADDER SHALL BE PROVIDED EXTERNALLY FOR ACCESS TO TERRACE.
15)EXTERNAL PLASTER 20 MM THK IN TWO COATS IN 1:4 C.M. WITH ADDITIONAL WATERPROOFING.
16)INTERNAL SAND FACE 20MM THICK PLASTER INSIDE & OUTSIDE OF UG TANK & SEPTIC TANK.
17)GRANITE STONE SHALL BE LAID FOR FLOORING IN PASSAGE & STAIRCASE.
18)LIGHT COLORED GLAZED CERAMIC TILES FOR DADO UPTO 2.2 M HEIGHT.
19)URINAL PARTITION OF 0.75 x 1.5 M IN GREEN MARBLE.
20)ALL DIMENSIONS ARE IN METER.
21)CLADDING OF ACP PANEL IN FRONT OF SIZE 2440MM x 1220MM x 0.25MM.
22)CHARGING POINT & WATER ATM WILL BE DONE AS PER SITE CONDITION AT THE TIME OF EXECUTION

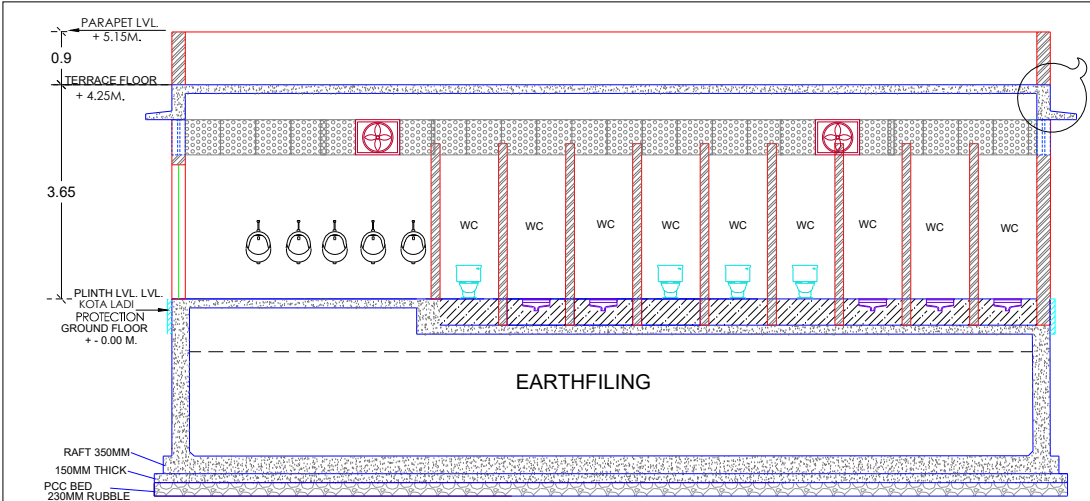
SIGN & STAMP :		
SIGNATURES		
S.E.	A.E.	EX.ENGG.

DRAWING INFORMATION	
TITLE	ARCHITECTURAL PLAN
CONTENTS OF DRAWING	CONSTRUCTION OF ASPIRATIONAL / PUBLIC TOILET BLOCK
SITE NAME	PARKING LOT OF AAI,AT JUHU BEACH, VILE PARLE(W) K/WEST
REVISIONS	R1 - DATE/26.06.2026 R2 - DATE R3 - DATE
SCALE-1:100	DRY.BY:NAZIR CHK.BY:-----

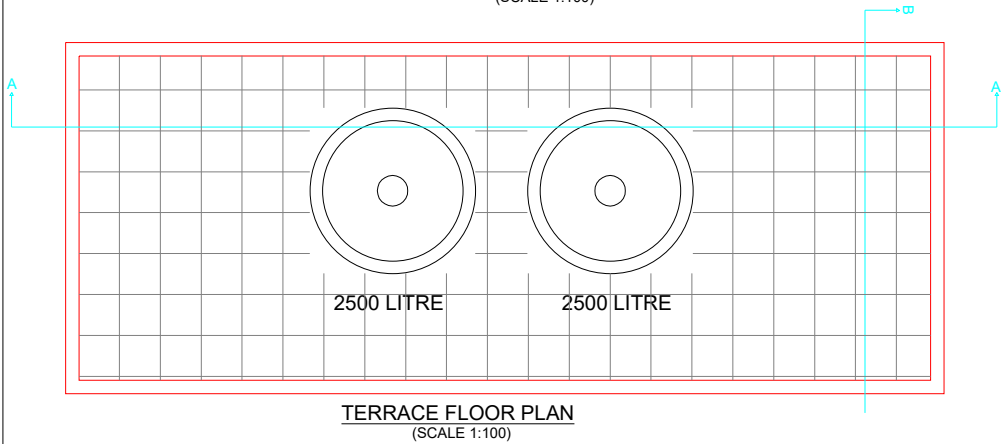
CLIENT: BRIHANMUMBAI MUNICIPAL CORPORATION (BMC).

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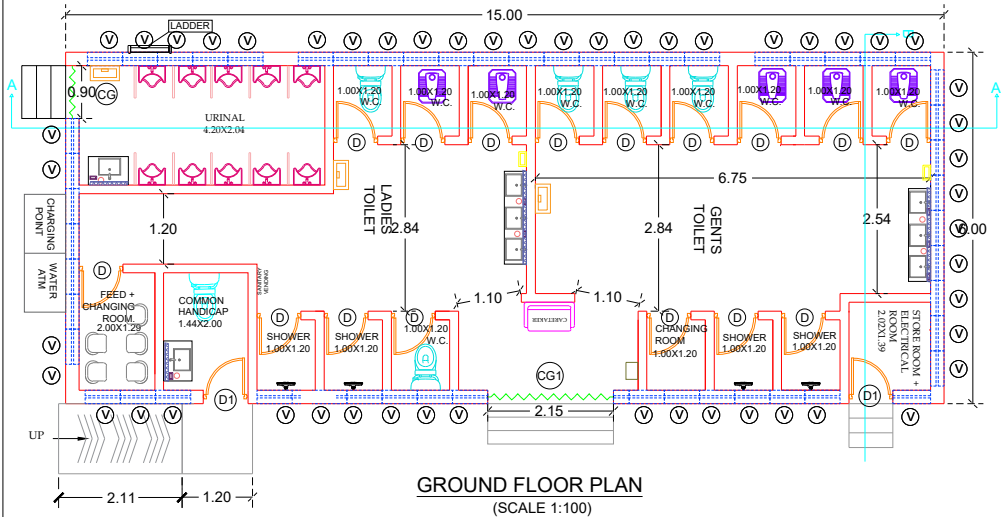
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34-C, FILM CENTRE BUILDING, 3RD FLOOR, TARDEO ROAD,JANTA NAGAR, TARDEO, MUMBAI - 400 034.
EMAIL: INFO@JIWANIGROUP.IN TEL: 022 23861906.



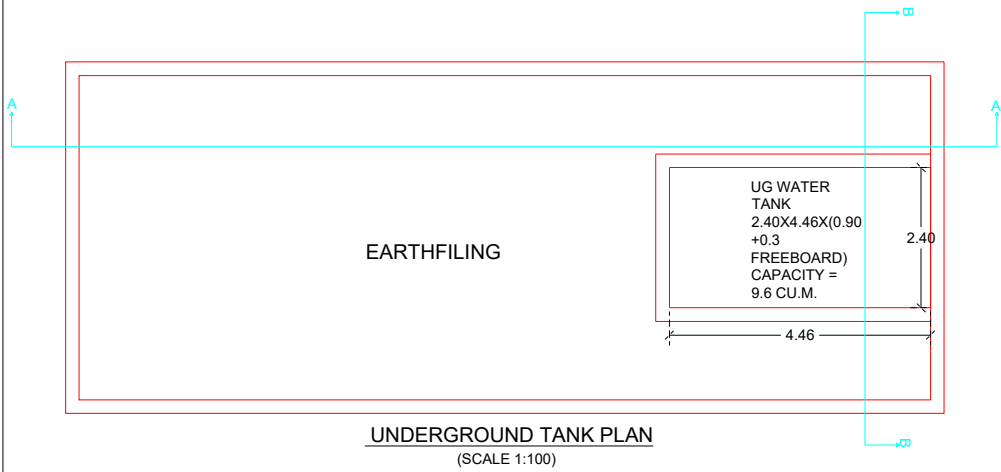
SECTION A-A
(SCALE 1:100)



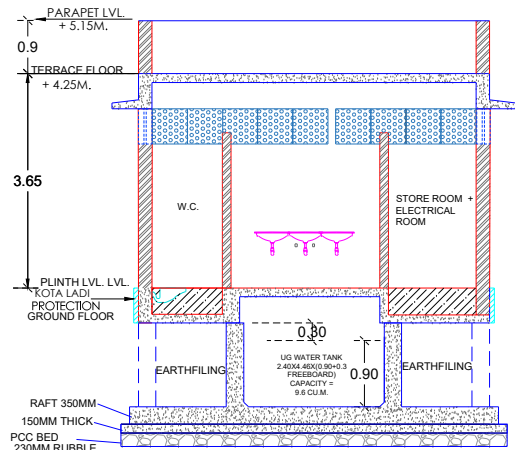
TERRACE FLOOR PLAN
(SCALE 1:100)



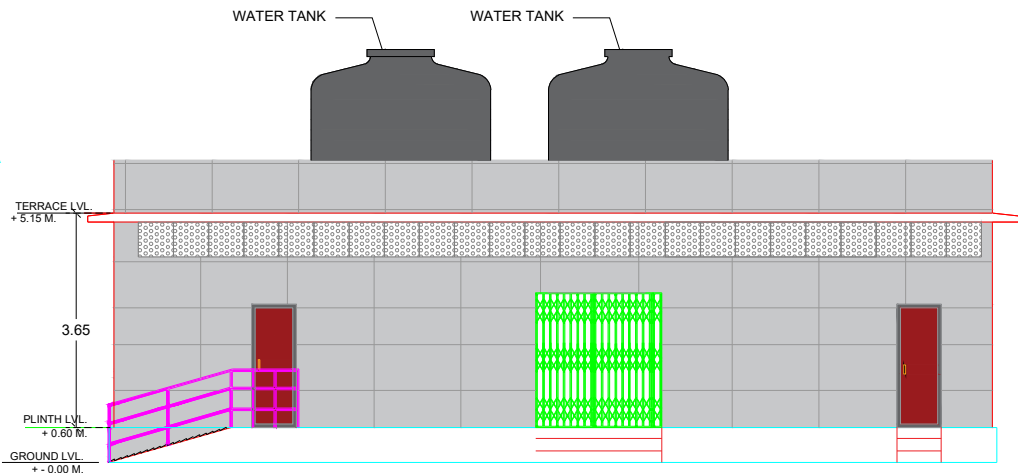
GROUND FLOOR PLAN
(SCALE 1:100)



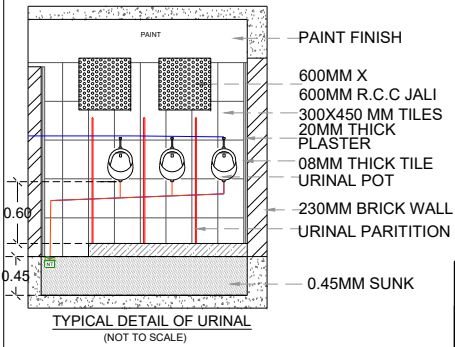
UNDERGROUND TANK PLAN
(SCALE 1:100)



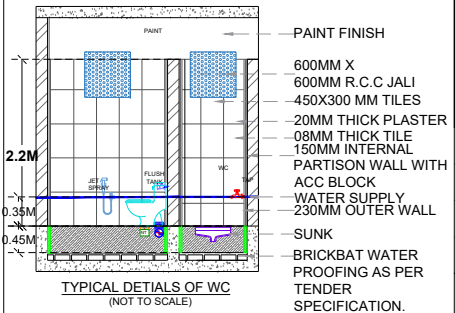
SECTION B-B
(SCALE 1:100)



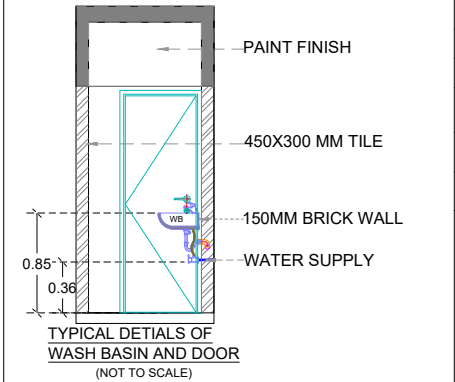
FRONT ELEVATION
(SCALE 1:100)



TYPICAL DETAIL OF URINAL
(NOT TO SCALE)

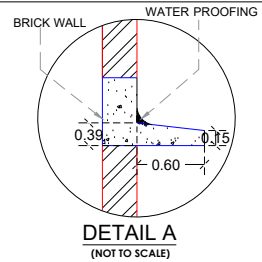


TYPICAL DETAILS OF WC
(NOT TO SCALE)



TYPICAL DETAILS OF WASH BASIN AND DOOR
(NOT TO SCALE)

NAME	SYMBOL	NOS
EXHAUST FAN		03
WATER MOTOR - HP		01
AIR FRESHENER		03
TISSUE PAPER		07
HAND WASH		07
HAND DRYER		02
MIRROR		03



DETAIL A
(NOT TO SCALE)

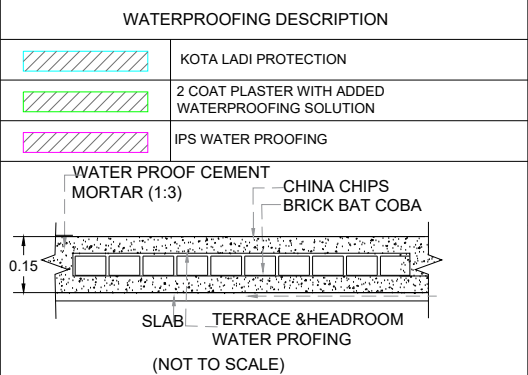
SCHEDULE OF TOILETS				
TYPE	GENTS	LADIES	COMMON HANDICAPPED	TOTAL
W.C.	06	04	01	11
SHOWER	02	02	-	04
WASHBASIN	04	03	01	08
URINAL	06	00	-	06

TANKS DESCRIPTION		
TYPE	CAPACITY	DIMENSION
UGT	9600 LITRE	2.40 x 4.46 x 0.90
OHT	5000 LITRE	- - -

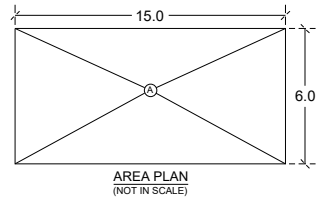
SCHEDULE OF DOOR & WINDOWS			
TYPE	NOS	SIZE	DESCRIPTION
D	06	0.75 X 1.9	FRP DOOR
D1	01	1.00 X 2.30	FRP DOOR
CG	01	0.90 X 2.50	M.S. COLLAPSIBLE GATE
CG1	01	2.15 X 2.50	M.S. COLLAPSIBLE GATE
V	60	0.60 X 0.90	RCC VENTILATOR

B). CALCULATION FOR DESIGN OF UGWT
REQUIRED UGWT
= 560 LITRES / SEAT
= 560 x 15= 8.40 LITRES
PROVIDED UGWT
= 2.40 x 4.46 x (0.90 + 0.30 FREEBOARD)
= 9.6 CUM I.E. OK, SAFE
C). CALCULATION FOR DESIGN OF OHWT
REQUIRED OHWT
= 280 LITRES / SEAT
= 280 x 15= 4200 LITRES
PROVIDED OHWT
= 5000 LITRES I.E. OK, SAFE

GOOGLELOCATION (19.13605,72.835848) (NOT TO SCALE)		
WATERPROOFING DESCRIPTION		
	KOTA LADI PROTECTION	
	2 COAT PLASTER WITH ADDED WATERPROOFING SOLUTION	
	IPS WATER PROOFING	
	WATER PROOF CEMENT MORTAR (1:3)	
	CHINA CHIPS BRICK BAT COBA	
	SLAB TERRACE & HEADROOM WATER PROOFING	



SEATS- 15(SEWER)



AREA PLAN
(NOT TO SCALE)

GROUND FLOOR AREA CALCULATIONS

ADDITIONS:

$$A = 15.0 \times 6.0 \times 1 = 90.0 \text{ sq.m}$$

$$\text{TOTAL} = 90.0 \text{ sq.m}$$

NOTES:

- 1)PROVIDING AND APPLYING FIRST COAT OF APPROVED WATER PROOF PRIMER AND TWO COATS OF WATER PROOF ACRYLIC BASED EXTERIOR PAINT AS PER SHADE APPROVED BY WARD EXECUTIVE ENGINEER.
- 2)PRE CONSTRUCTION ANTI-TERMITE TREATMENT TO BE PROVIDED.
- 3)THE COUNTER FOR THE ATTENDANT SHALL BE LOCATED TO HAVE OVERALL CONTROL WITH BLACK GRANITE.
- 4)ANY STATUTORY APPROVAL FROM CONCERNED AUTHORITY SHALL BE OBTAINED.
- 5)A RAMP SHALL BE PROVIDED FOR PHYSICALLY CHALLENGED USERS ALONGWITH M.S. RAILING.
- 6)THE WATER PROOFING TREATMENT TO TERRACE SHALL BE DONE WITH BRICK BAT COBA WITH CHINA MOSAIC CHIPS TOP LAYER AS PER SPECIFICATION.
- 7)ALL THE PLUMBING WORK SHALL BE DONE IN CHLORINATED POLYVINYL CHLORIDE (CPVC). ALL THE DRAINAGE PIPES (RAIN WATER, SOIL PIPES AND VENT PIPES) & FITTINGS OF UPVC OF ISI MARK SHALL BE USED.
- 8)THE INSPECTION CHAMBERS SHALL BE CONSTRUCTED AS PER SPECIFICATION.
- 9)PLINTH PROTECTION FOR AVERAGE WIDTH OF 1.0 METER AROUND THE PERIPHERY OF THE TOILET BLOCK SHALL BE PROVIDED WITH 230MM DRY RUBBLE PACKING AND 100MM THICK IN M15 GRADE CONCRETE WITH ROUGH KOTA STONE FLOORING.
- 10)POLISHED KOTA STONE TILES TO A HEIGHT OF 0.75 M ABOVE THE GROUND LEVEL SHALL BE PROVIDED TO TERRACE LEVEL EXTERNAL WALLS ALL ALONG THE EXTERNAL PERIPHERY OF THE TOILET BLOCK.
- 11)PROPER VENT ARRANGEMENT SHALL BE PROVIDED TO SEPTIC TANK BY FIXING VENT PIPES UPTO TERRACE LEVEL.
- 12)INTERCEPTING TRAP CHAMBER SHALL BE PROVIDED BEFORE CONNECTING THE TOILET BLOCK TO THE MAIN SEWER LINE.
- 13)FOR G+1 STRUCTURE RCC STAIRCASE SHALL BE PROVIDED WITH HEADROOM.
- 14)GROUND FLOOR STRUCTURE MS LADDER SHALL BE PROVIDED EXTERNALLY FOR ACCESS TO TERRACE.
- 15)EXTERNAL PLASTER 20 MM THK IN TWO COATS IN 1:4 C.M. WITH ADDITIONAL WATERPROOFING.
- 16)INTERNAL SAND FACE 20MM THICK PLASTER INSIDE & OUTSIDE OF UG TANK & SEPTIC TANK.
- 17)GRANITE STONE SHALL BE LAID FOR FLOORING IN PASSAGE & STAIRCASE.
- 18)LIGHT COLORED GLAZED CERAMIC TILES FOR DADO UPTO 2.2 M HEIGHT.
- 19)URINAL PARTITION OF 0.75 x 1.8 M IN GREEN MARBLE.
- 20)ALL DIMENSIONS ARE IN METER.
- 21)CLADDING OF ACP PANEL IN FRONT OF SIZE 2440MM x 1220MM x 0.25MM.
- 22)CHARGING POINT & WATER ATM WILL BE DONE AS PER SITE CONDITION AT THE TIME OF EXECUTION

SIGN & STAMP :

SIGNATURES

S.E.	A.E.	EX.ENGG.

DRAWING INFORMATION

TITLE	ARCHITECTURAL PLAN		
CONTENTS OF DRAWING	CONSTRUCTION OF ASPIRATIONAL / PUBLIC TOILET BLOCK		
SITE NAME	AMENITY PLOT NEAR YASHRAJ STUDIO		
REVISIONS	R1	-	DATE/26.06.2026
	R2	-	DATE
	R3	-	DATE

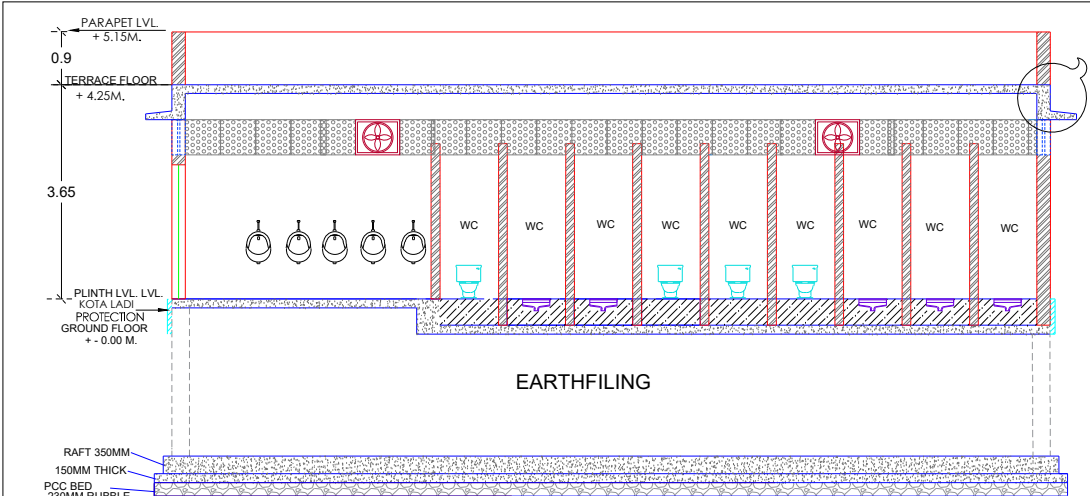
SCALE-1:100	DRY.BY:NAZIR	CHK.BY:-----
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CLIENT: BRIHANMUMBAI MUNICIPAL CORPORATION (BMC).

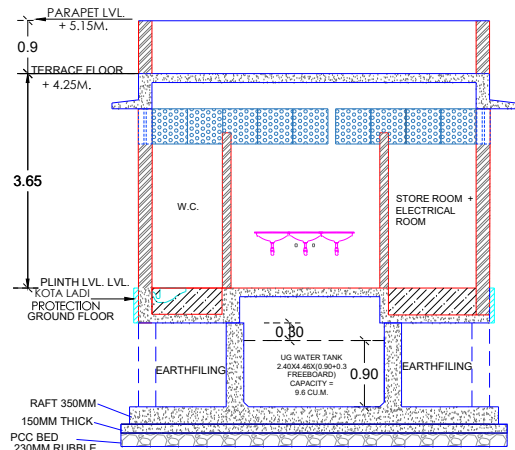
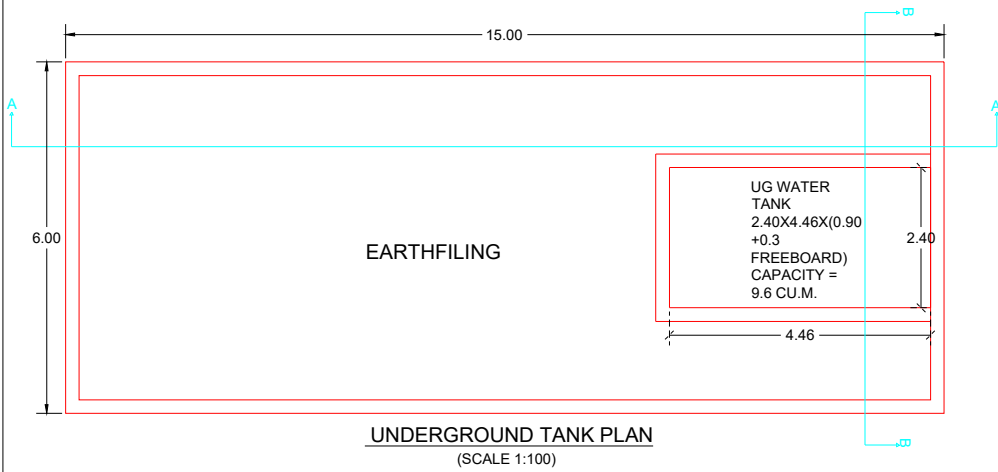
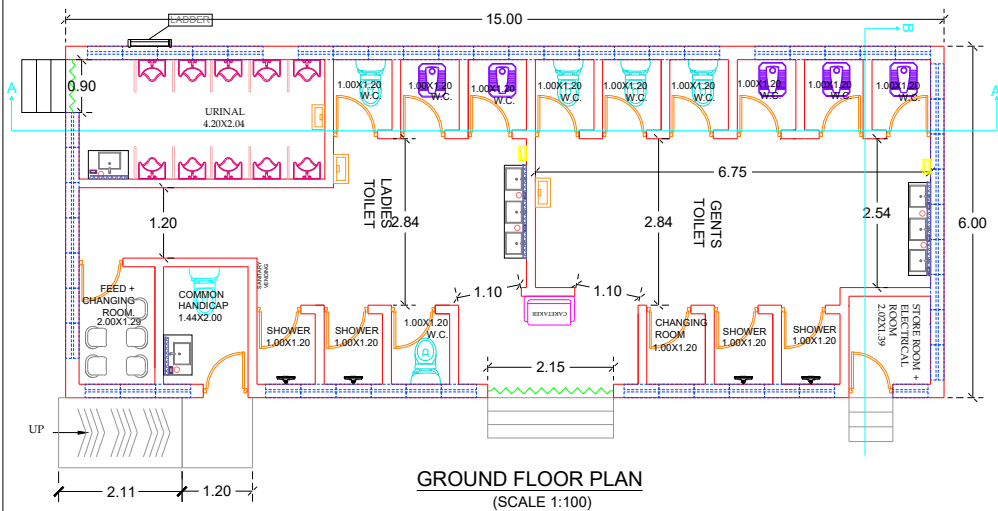
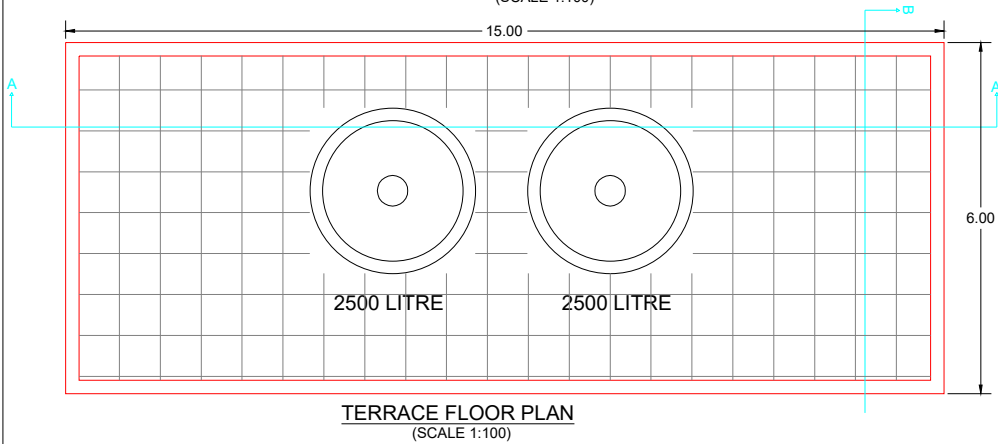


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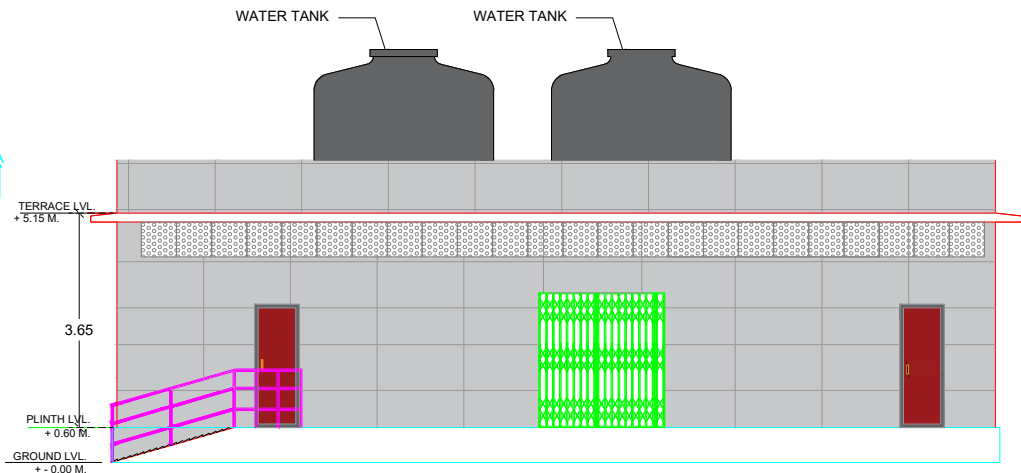
AN ISO 9001:2015 CERTIFIED COMPANY,
(ARCHITECTURAL & STRUCTURAL CONSULTANTS),
34-C, FILM CENTRE BUILDING, 3RD FLOOR, TARDEO
ROAD,JANTA NAGAR, TARDEO, MUMBAI - 400 034.
EMAIL: INFO@JIWANIGROUP.IN TEL: 022 23861906.



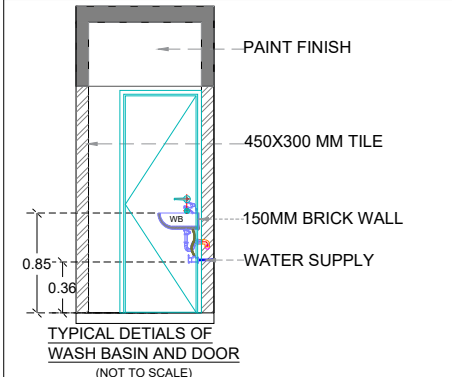
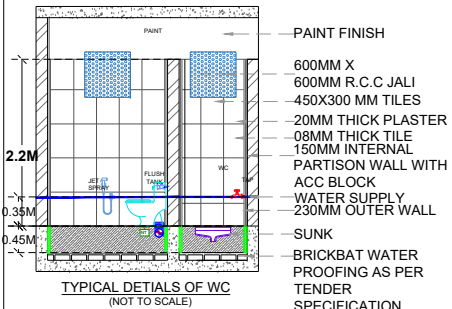
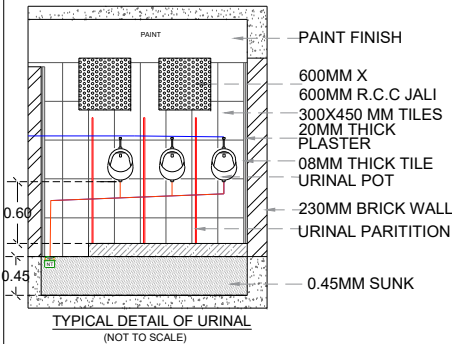
SECTION A-A
(SCALE 1:100)



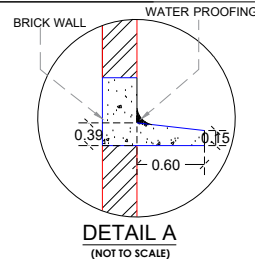
SECTION B-B
(SCALE 1:100)



FRONT ELEVATION
(SCALE 1:100)



NAME	SYMBOL	NOS
HAND WASH		08
HAND DRYER		02
MIRROR		04
TISSUE PAPER		08
EXHAUST FAN		03
WATER MOTOR - HP		01
AIR FRESHENER		03

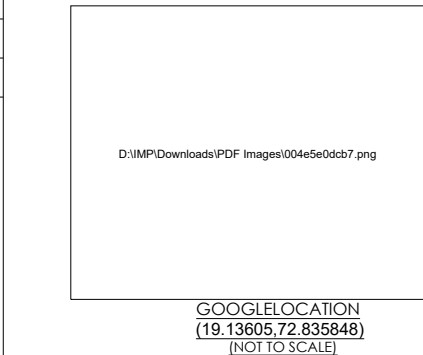


SCHEDULE OF TOILETS			
TYPE	GENTS	LADIES	TOTAL
W.C.	06	04	10
COMMON HANDICAPPED			01
SHOWER	02	02	04
WASHBASIN	02	02	05
URINAL	10	00	10

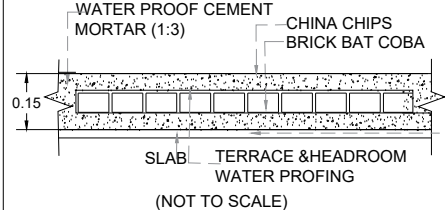
TANKS DESCRIPTION		
TYPE	CAPACITY	DIMENSION
UGT	9600 LITRE	2.40x 4.46 x 0.90
OHT	5000 LITRE	---

SCHEDULE OF DOOR & WINDOWS			
TYPE	NOS	SIZE	DESCRIPTION
D	06	0.75 X 1.9	FRP DOOR
D1	01	1.00 X 2.30	FRP DOOR
CG	01	0.90 X 2.50	M.S. COLLAPSIBLE GATE
CG1	01	2.15 X 2.50	M.S. COLLAPSIBLE GATE
V	60	0.60 X 0.90	RCC VENTILATOR

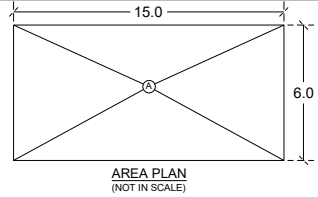
B). CALCULATION FOR DESIGN OF UGWT
REQUIRED UGWT
= 560 LITRES / SEAT
= 560 x 15= 8.40 LITRES
PROVIDED UGWT
= 2.40 x 4.46 x (0.90 + 0.30 FREEBOARD)
= 9.6 CUM I.E. OK, SAFE
C). CALCULATION FOR DESIGN OF OHWT
REQUIRED OHWT
= 280 LITRES / SEAT
= 280 x 15= 4200 LITRES
PROVIDED OHWT
= 5000 LITRES I.E. OK, SAFE



WATERPROOFING DESCRIPTION	
	KOTA LADI PROTECTION
	2 COAT PLASTER WITH ADDED WATERPROOFING SOLUTION
	IPS WATER PROOFING



SEATS- 15(SEWER)



GROUND FLOOR AREA CALCULATIONS

ADDITIONS:
A = 15.0 X 6.0 X 1 = 90.0 sq.m
TOTAL = 90.0 sq.m

NOTES:
1)PROVIDING AND APPLYING FIRST COAT OF APPROVED WATER PROOF PRIMER AND TWO COATS OF WATER PROOF ACRYLIC BASED EXTERIOR PAINT AS PER SHADE APPROVED BY WARD EXECUTIVE ENGINEER.
2)PRE CONSTRUCTION ANTI-TERMITE TREATMENT TO BE PROVIDED.
3)THE COUNTER FOR THE ATTENDANT SHALL BE LOCATED TO HAVE OVERALL CONTROL, WITH BLACK GRANITE.
4)ANY STATUTORY APPROVAL FROM CONCERNED AUTHORITY SHALL BE OBTAINED.
5)A RAMP SHALL BE PROVIDED FOR PHYSICALLY CHALLENGED USERS ALONGWITH M.S. RAILING.
6)THE WATER PROOFING TREATMENT TO TERRACE SHALL BE DONE WITH BRICK BAT COBA WITH CHINA MOSAIC CHIPS TOP LAYER AS PER SPECIFICATION.
7)ALL THE PLUMBING WORK SHALL BE DONE IN CHLORINATED POLYVINYL CHLORIDE (CPVC). ALL THE DRAINAGE PIPES (RAIN WATER, SOIL PIPES AND VENT PIPES) & FITTINGS OF UPVC OF ISI MARK SHALL BE USED.
8)THE INSPECTION CHAMBERS SHALL BE CONSTRUCTED AS PER SPECIFICATION.
9)PLINTH PROTECTION FOR AVERAGE WIDTH OF 1.0 METER AROUND THE PERIPHERY OF THE TOILET BLOCK SHALL BE PROVIDED WITH 230MM DRY RUBBLE PACKING AND 100MM THICK IN M15 GRADE CONCRETE WITH ROUGH KOTA STONE FLOORING.
10)POLISHED KOTA STONE TILES TO A HEIGHT OF 0.75 M ABOVE THE GROUND LEVEL SHALL BE PROVIDED TO TERRACE LEVEL EXTERNAL WALLS ALL ALONG THE EXTERNAL PERIPHERY OF THE TOILET BLOCK.
11)PROPER VENT ARRANGEMENT SHALL BE PROVIDED TO SEPTIC TANK BY FIXING VENT PIPES UPTO TERRACE LEVEL.
12)INTERCEPTING TRAP CHAMBER SHALL BE PROVIDED BEFORE CONNECTING THE TOILET BLOCK TO THE MAIN SEWER LINE.
13)FOR G+1 STRUCTURE RCC STAIRCASE SHALL BE PROVIDED WITH HEADROOM.
14)GROUND FLOOR STRUCTURE MS LADDER SHALL BE PROVIDED EXTERNALLY FOR ACCESS TO TERRACE.
15)EXTERNAL PLASTER 20 MM THK IN TWO COATS IN 1:4 C.M. WITH ADDITIONAL WATERPROOFING.
16)INTERNAL SAND FACE 20MM THICK PLASTER INSIDE & OUTSIDE OF UG TANK & SEPTIC TANK.
17)GRANITE STONE SHALL BE LAID FOR FLOORING IN PASSAGE & STAIRCASE.
18)LIGHT COLORED GLAZED CERAMIC TILES FOR DADO UPTO 2.2 M HEIGHT.
19)URINAL PARTITION OF 0.75 x 1.8 M IN GREEN MARBLE.
20)ALL DIMENSIONS ARE IN METER.
21)CLADDING OF ACP PANEL IN FRONT OF SIZE 2440MM x 1220MM x 0.25MM.
22)CHARGING POINT & WATER ATM WILL BE DONE AS PER SITE CONDITION AT THE TIME OF EXECUTION

SIGN & STAMP :

SIGNATURES

S.E.	A.E.	EX.ENGG.
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DRAWING INFORMATION

TITLE	ARCHITECTURAL PLAN		
CONTENTS OF DRAWING	CONSTRUCTION OF ASPIRATIONAL / PUBLIC TOILET BLOCK		
SITE NAME	AMENITY PLOT NEAR YASHRAJ STUDIO		
REVISIONS	R1	-	DATE/26.06.2026
	R2	-	DATE
	R3	-	DATE

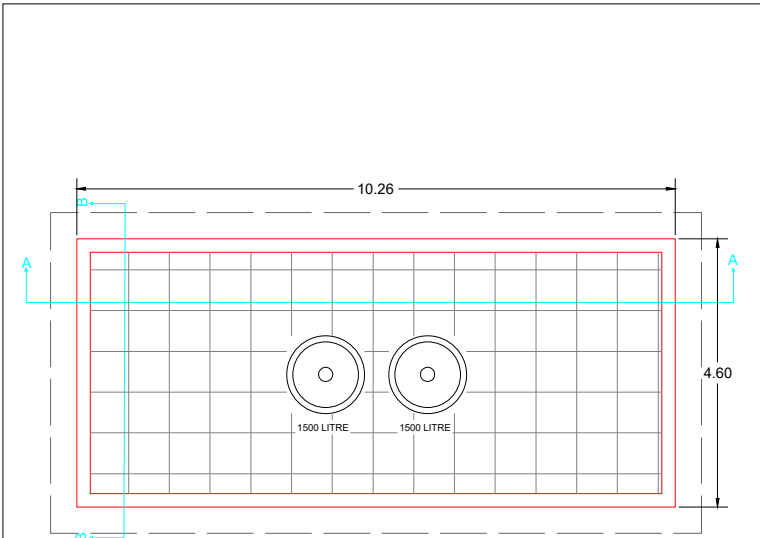
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CLIENT: BRIHANMUMBAI MUNICIPAL CORPORATION (BMC).

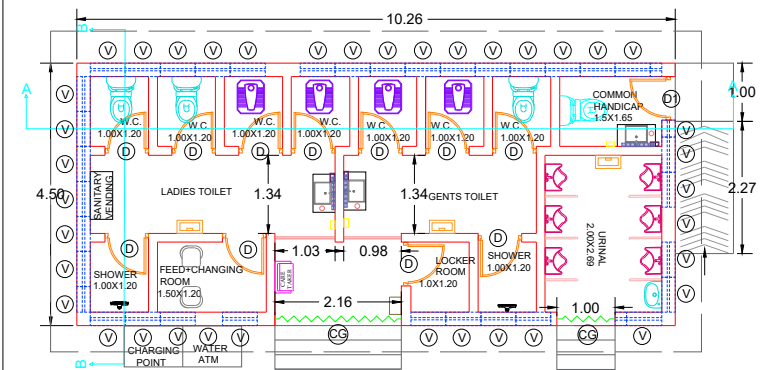


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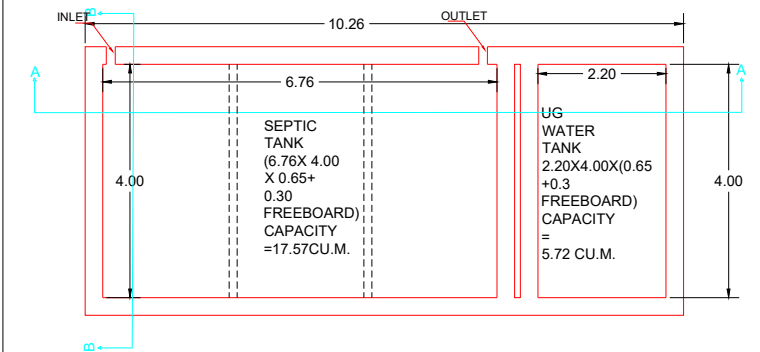
AN ISO 9001:2015 CERTIFIED COMPANY,
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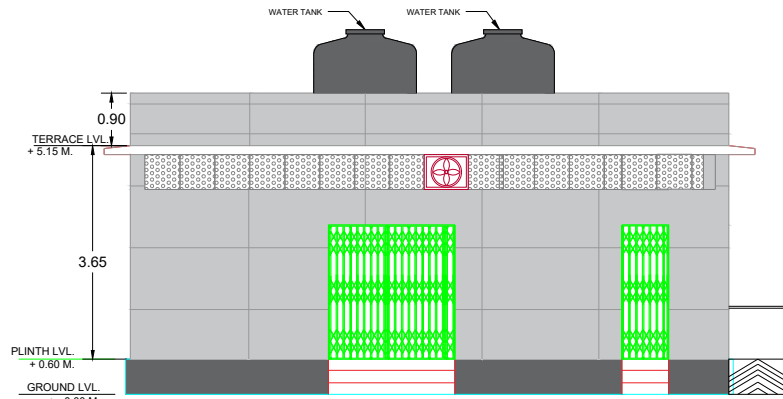
TERRACE FLOOR PLAN
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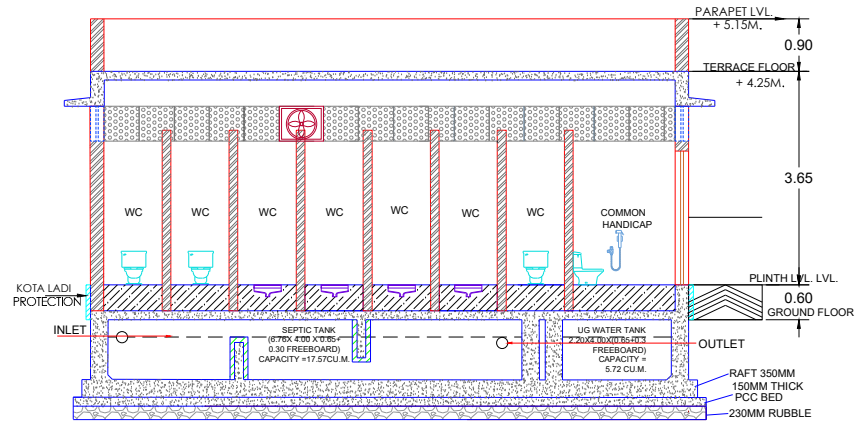
GROUND FLOOR PLAN
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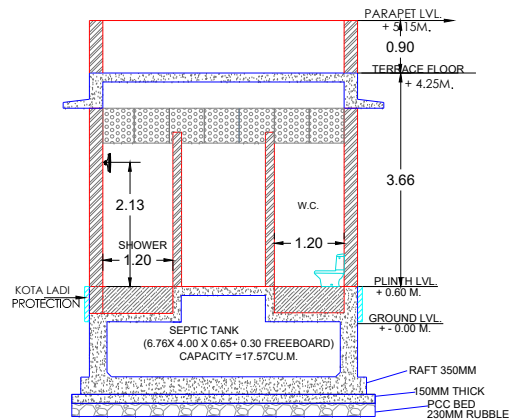
UNDERGROUND TANK PLAN
(SCALE 1:100)



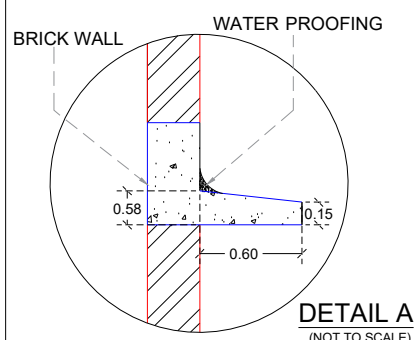
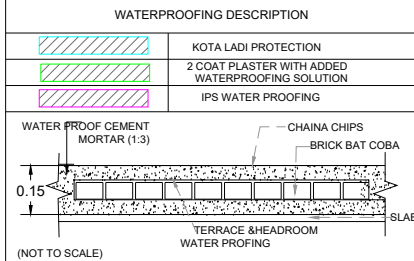
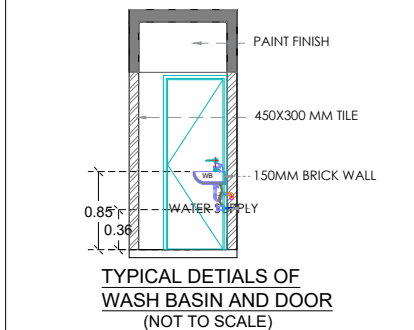
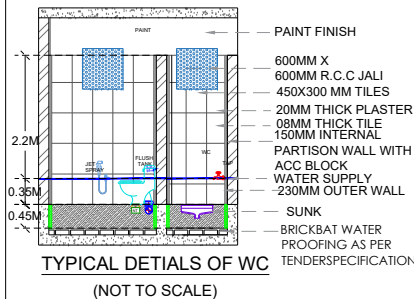
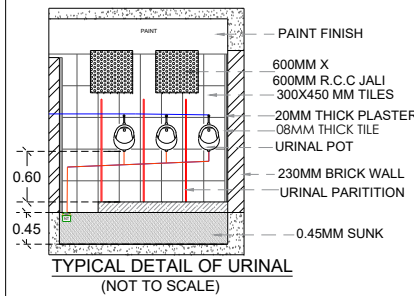
FRONT ELEVATION
(SCALE 1:100)



SECTION A-A
(SCALE 1:100)



SECTION B-B
(SCALE 1:100)



NAME	SYMBOL	NOS
HAND WASH		03
HAND DRYER		03
MIRROR		03
TISSUE PAPER		03
EXHAUST FAN		03
WATER MOTOR - HP		01
AIR FRESHENER		03

SCHEDULE OF TOILETS				
TYPE	GENTS	LADIES	COMMON HANDICAPPED	TOTAL
W.C.	03	04	01	08
SHOWER	02	02	-	04
WASHBASIN	02	01	01	04
URINAL	06	00	-	06

TANKS DESCRIPTION		
TYPE	CAPACITY	DIMENSION
UGT	5720 LITRE	2.20X4.00X0.65
SEPTIC	17570 LITRE	6.76X4.00X0.65
OHT	3000 LITRE	- - -

SCHEDULE OF DOOR & WINDOWS			
TYPE	NOS	SIZE	DESCRIPTION
D	11	0.75 X 1.9	FRP DOOR
D1	01	1.00 X 2.30	FRP DOOR
CG	01	1.00 X 2.50	M.S. COLLAPSIBLE GATE
CG1	01	2.16 X 2.50	M.S. COLLAPSIBLE GATE
V	40	0.60 X 0.90	RCC VENTILATOR

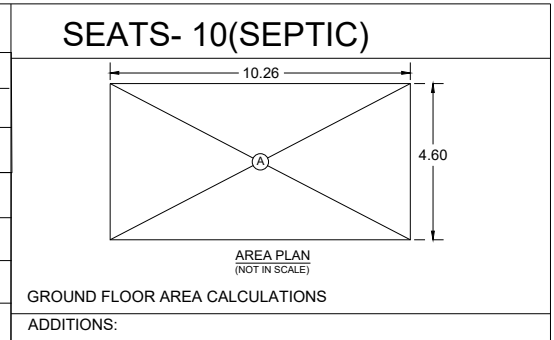
DESIGN OF SEPTIC TANK CALCULATIONS-
A). ASSUMPTIONS FOR SEPTIC TANK CALCULATION
1). NO. OF USERS PER SEAT : 10
2). SLUDGE CLEANING INTERVAL : 3 MONTHS
3). SLUDGE ACCUMULATION RATE : 0.00021 CUM PER CAPITA PER DAY
4). WASTE WATER DETENTION PERIOD : 2 DAYS
5). WASTE WATER ENTERING THE TANK : 8 LITRES PER USER
6). SCUM ACCUMULATION : 30% OF SLUDGE VOLUME
7). TOTAL CAPACITY OF SEPTIC TANK = WASTE WATER + SLUDGE + SCUM

A) WASTE WATER ENTERING IN SEPTIC TANK
= 35 × 10 = 350 USERS
= 8 × 350 = 2800 LITRES PER DAY
TOTAL CAPACITY OF SEPTIC TANK (DETENTION PERIOD 2 DAYS)
= 2 × 2800
= 5.60 CUM (I)
B) VOLUME OF SLUDGE STORAGE
= 0.00021 × 350 × 182.5
= 13.41 CUM (II)
C) VOLUME OF SCUM
= 0.30 × 13.41 = 4.02 CUM (III)

REQUIRED TOTAL CAPACITY OF SEPTIC TANK
= 5.60 + 6.70 + 4.02 = 16.32 CUM
PROVIDED OVERALL INTERNAL SIZE OF TANK
= (6.76 × 4.00 × (0.65 + 0.30 FREEBOARD))
= 17.57 CUM I.E. OK, SAFE

B). CALCULATION FOR DESIGN OF UGWT
REQUIRED UGWT
= 560 LITRES / SEAT
= 560 × 10 = 5600 LITRES
PROVIDED UGWT
= 2.20 × 4.00 × (0.65 + 0.30 FREEBOARD)
= 5.72 CUM I.E. OK, SAFE

C). CALCULATION FOR DESIGN OF OHWT
REQUIRED OHWT
= 280 LITRES / SEAT
= 280 × 10 = 2800 LITRES
PROVIDED OHWT
= 3000 LITRES I.E. OK, SAFE



GROUND FLOOR AREA CALCULATIONS
ADDITIONS:
A = 10.26 X 4.60 X 1 = 47.19 sq.m
TOTAL = 47.19 sq.m

NOTES:
1) PROVIDING AND APPLYING FIRST COAT OF APPROVED WATER PROOF PRIMER AND TWO COATS OF WATER PROOF ACRYLIC BASED EXTERIOR PAINT AS PER SHADE APPROVED BY WARD EXECUTIVE ENGINEER.
2) PIPE CONSTRUCTION ANTI-TERMITE TREATMENT TO BE PROVIDED.
3) THE COUNTER FOR THE ATTENDANT SHALL BE LOCATED TO HAVE OVERALL CONTROL, WITH BLACK GRANITE.
4) ANY STATUTORY APPROVAL FROM CONCERNED AUTHORITY SHALL BE OBTAINED.
5) A RAMP SHALL BE PROVIDED FOR PHYSICALLY CHALLENGED USERS ALONGWITH M.S. RAILING.
6) THE WATER PROOFING TREATMENT TO TERRACE SHALL BE DONE WITH BRICK BAT COBA WITH CHINA MOSAIC CHIPS TOP LAYER AS PER SPECIFICATION.
7) ALL THE PLUMBING WORK SHALL BE DONE IN CHLORINATED POLYVINYL CHLORIDE (CPVC). ALL THE DRAINAGE PIPES (RAIN WATER, SOIL PIPES AND VENT PIPES) & FITTINGS OF UPVC OF ISI MARK SHALL BE USED.
8) THE INSPECTION CHAMBERS SHALL BE CONSTRUCTED AS PER SPECIFICATION.
9) PLINTH PROTECTION FOR AVERAGE WIDTH OF 1.0 METER AROUND THE PERIPHERY OF THE TOILET BLOCK SHALL BE PROVIDED WITH 230MM DRY RUBBLE PACKING AND 100MM THICK IN M15 GRADE CONCRETE WITH ROUGH KOTA STONE FLOORING.
10) POLISHED KOTA STONE TILES TO A HEIGHT OF 0.75 M ABOVE THE GROUND LEVEL SHALL BE PROVIDED TO TERRACE LEVEL EXTERNAL WALLS ALL ALONG THE EXTERNAL PERIPHERY OF THE TOILET BLOCK.
11) PROPER VENT ARRANGEMENT SHALL BE PROVIDED TO SEPTIC TANK BY FIXING VENT PIPES UPTO TERRACE LEVEL.
12) INTERCEPTING TRAP CHAMBER SHALL BE PROVIDED BEFORE CONNECTING THE TOILET BLOCK TO THE MAIN SEWER LINE.
13) FOR G+1 STRUCTURE RCC STAIRCASE SHALL BE PROVIDED WITH HEADROOM.
14) GROUND FLOOR STRUCTURE MS LADDER SHALL BE PROVIDED EXTERNALLY FOR ACCESS TO TERRACE.
15) EXTERNAL PLASTER 20 MM THK IN TWO COATS IN 1:4 C.M. WITH ADDITIONAL WATERPROOFING.
16) INTERNAL SAND FACE 20MM THICK PLASTER INSIDE & OUTSIDE OF UG TANK & SEPTIC TANK.
17) GRANITE STONE SHALL BE LAID FOR FLOORING IN PASSAGE & STAIRCASE.
18) LIGHT COLORED GLAZED CERAMIC TILES FOR DADO UPTO 2.2 M HEIGHT.
19) URINAL PARTITION OF 0.75 × 1.8 M IN GREEN MARBLE.
20) ALL DIMENSIONS ARE IN METER.
21) CLADDING OF ACP PANEL IN FRONT OF SIZE 2440MM × 1220MM × 0.25MM.
22) CHARGING POINT & WATER ATM WILL BE DONE AS PER SITE CONDITION AT THE TIME OF EXECUTION
23) THE INLET AND THE OUTLET OF THE SEPTIC TANK WILL VARY AS PER SITE CONDITIONS

SIGN & STAMP :		
SIGNATURES		
S.E.	A.E.	EX.ENGG.

DRAWING INFORMATION			
TITLE	ARCHITECTURAL PLAN		
CONTENTS OF DRAWING	CONSTRUCTION OF ASPIRATIONAL / PUBLIC TOILET BLOCK		
SITE NAME	BELOW NATIONAL PARK FLYOVER		
REVISIONS	R1 -	DATE	26.06.2026
	R2 -	DATE	
	R3 -	DATE	

SCALE-1:100 DRY.BY:NAZIR CHK.BY:-----

CLIENT: BRIHANMUMBAI MUNICIPAL CORPORATION (BMC).

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