

FINAL DESIGN SUBMITTAL

MARCH 2020

FLUSH FEMALE TOILET 6 COMPARTMENT,
R.C.C AND WOODEN TRUSS ROOF & BURNT
BRICK MASONRY WALL ARCHITECTURAL &
STRUCTURAL DRAWING

DRAWING:



FLUSH FEMALE TOILET(5+1)=6

10/3/20



MRRD
Ministry of Rural
Rehabilitation and
Development
WATSIIP

MOE

Ministry of Education
Department of
Construction



**STANDARD SCHOOL
DESIGN
IN AFGHANISTAN**

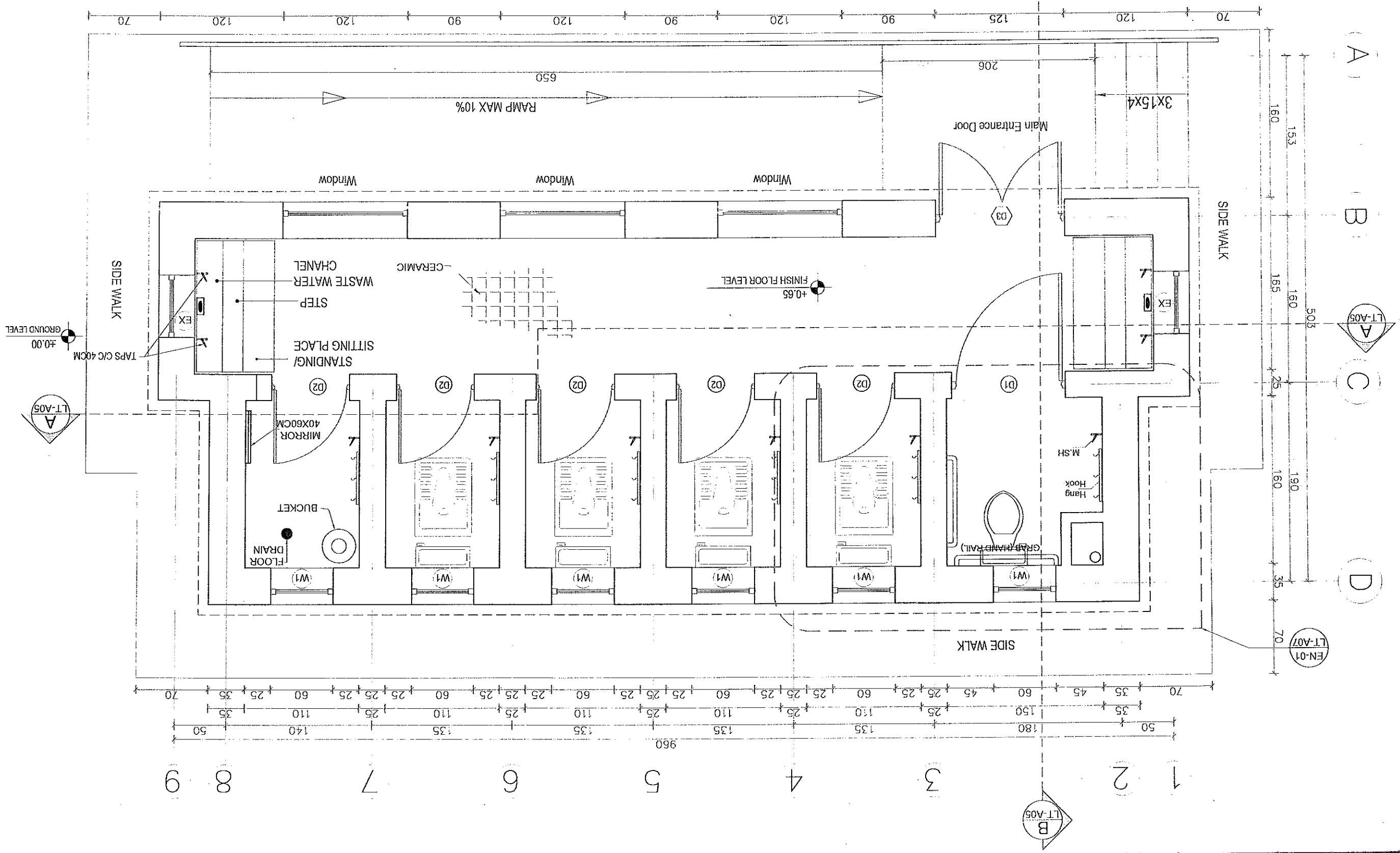
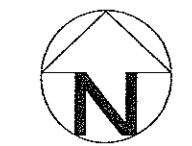
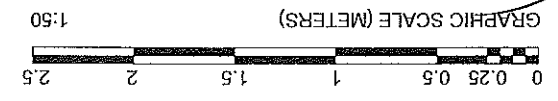
ARCHITECT BY Eng. Maybula	DESIGN BY Eng. Maybula	PREPARED BY MRRD	APPROVED BY MRRD	DATE: April 2020	MOE/ISD	MOE/ISD
REVIEWED BY	CHECKED BY	AS SHOWN (A3)	DATE: April 2020	SHEET NO.	PROJECT NAME	DRAWING TITLE

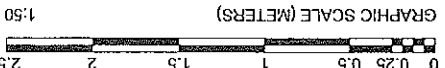
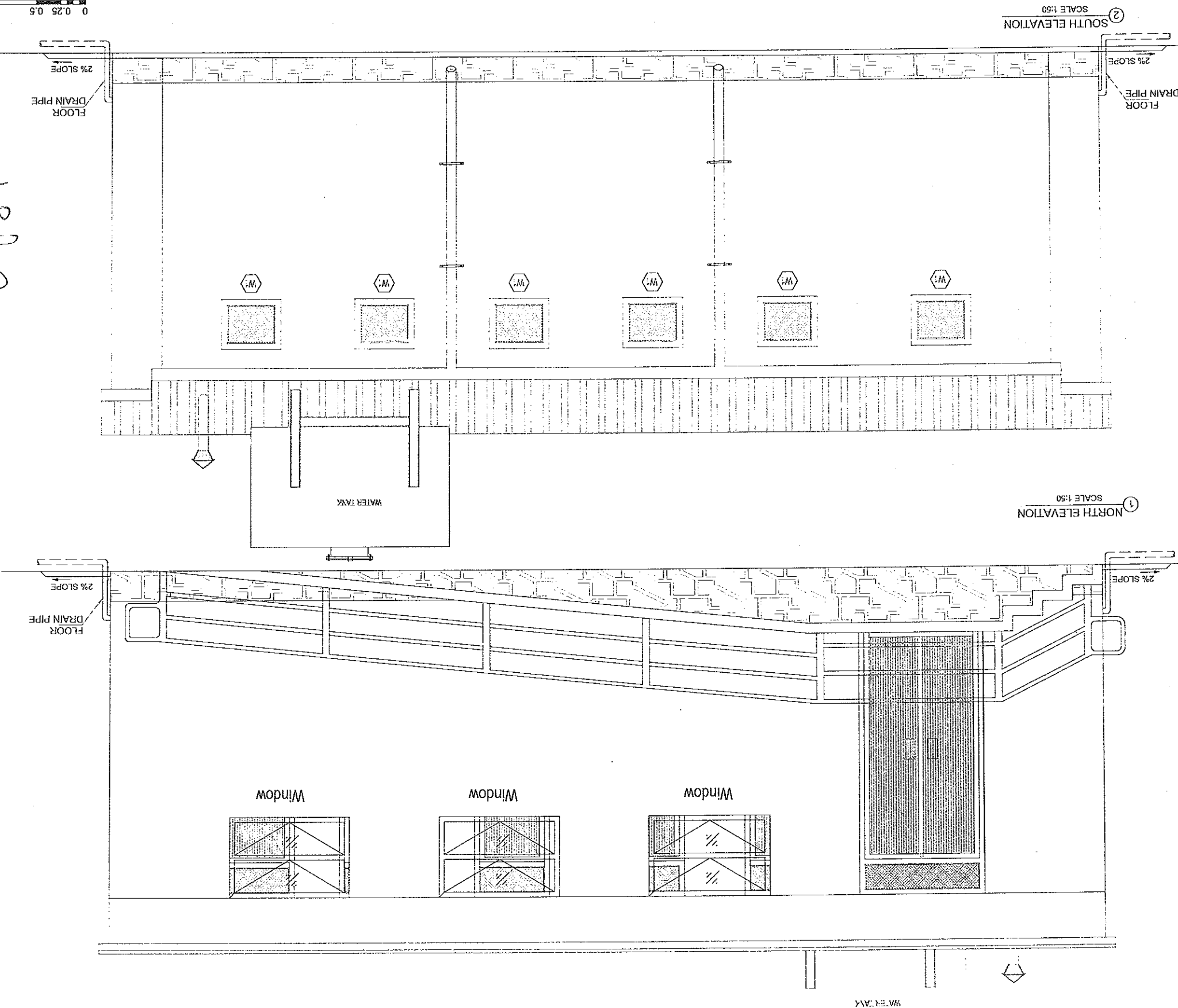
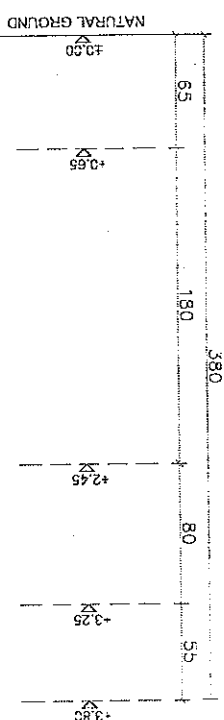
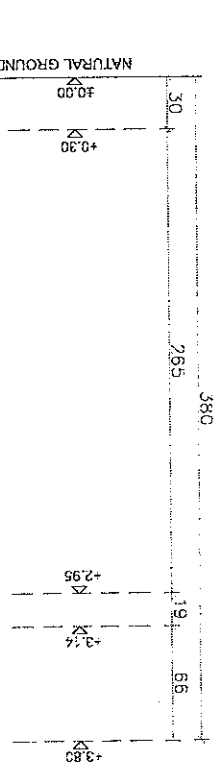
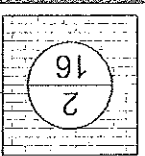
FLASH FEMALE TOILET 6 COMPARTMENT, RCC AND WOODEN
TRUSS ROOF & BURNT BRICK MASONRY WALL

1 FLOOR PLAN

Signature

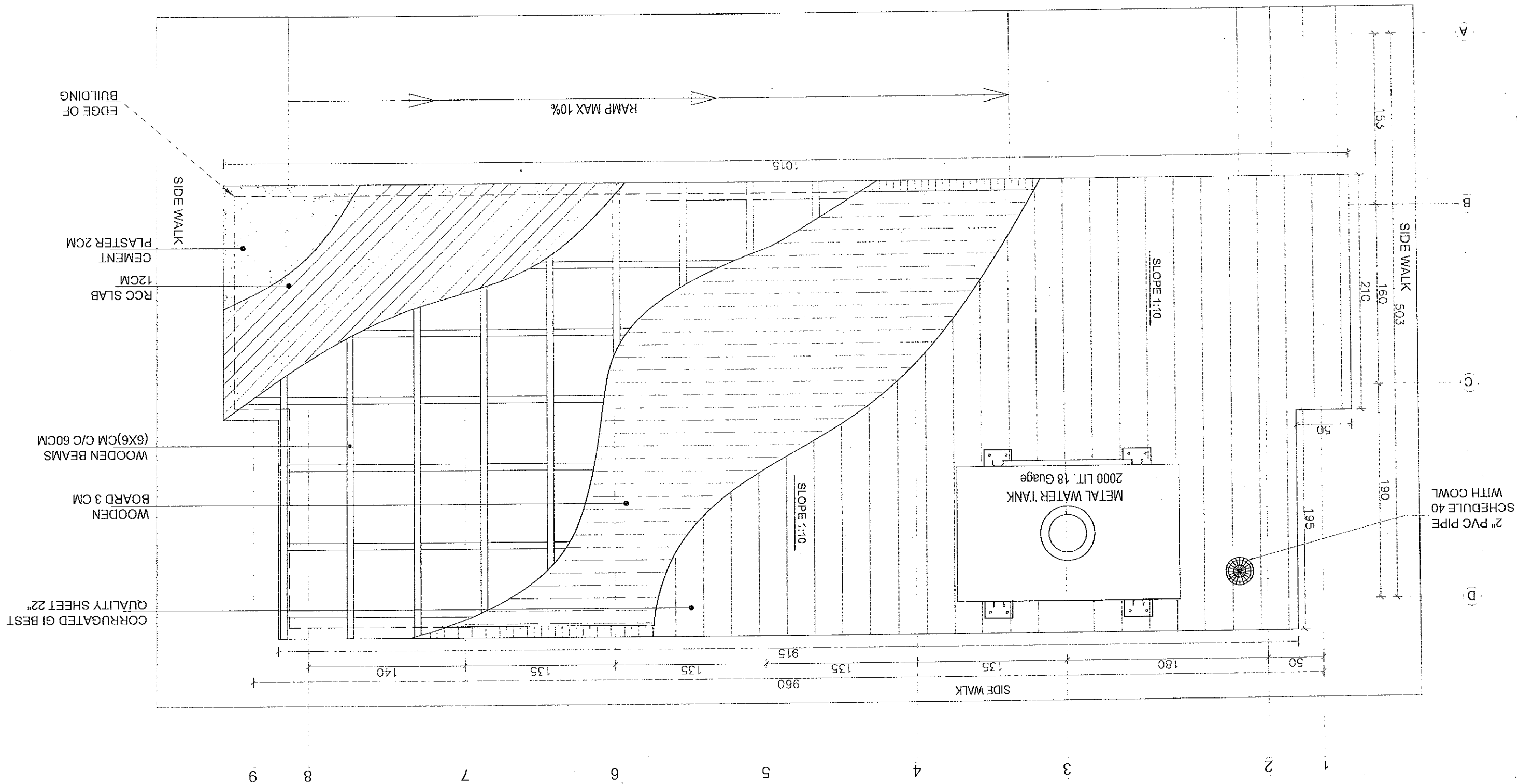
NOTES:
1- ALL DIMENSIONS ARE IN CM UNLESS OTHERWISE SPECIFIED.
2- ALL LEVELS ARE IN METER (M) UNLESS OTHERWISE SPECIFIED.
3- ALL EXTERIOR WALLS ON RING BEAM ARE BRICK.
4- ALL INTERIOR FRAMES MADE OF WOOD.
5- ALL WINDOW FRAMES MADE OF WOOD.
6- ALL INTERIOR DOORS ARE STEEL DOORS UNLESS OTHERWISE SPECIFIED.
7- PLEASE REFER TO SHEET A-04 FOR DOOR & WINDOW SCHEDULE.
8- SITTING PLACE IS AROUND 8CM HIGHER THAN FLOOR LEVEL AS SHOWN IN SECTION.

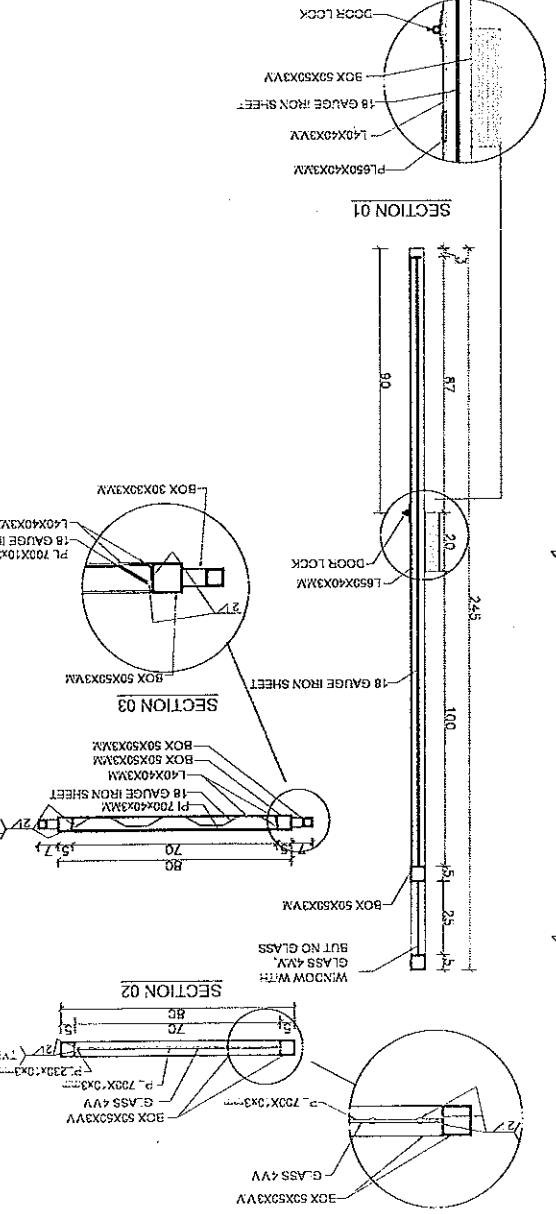


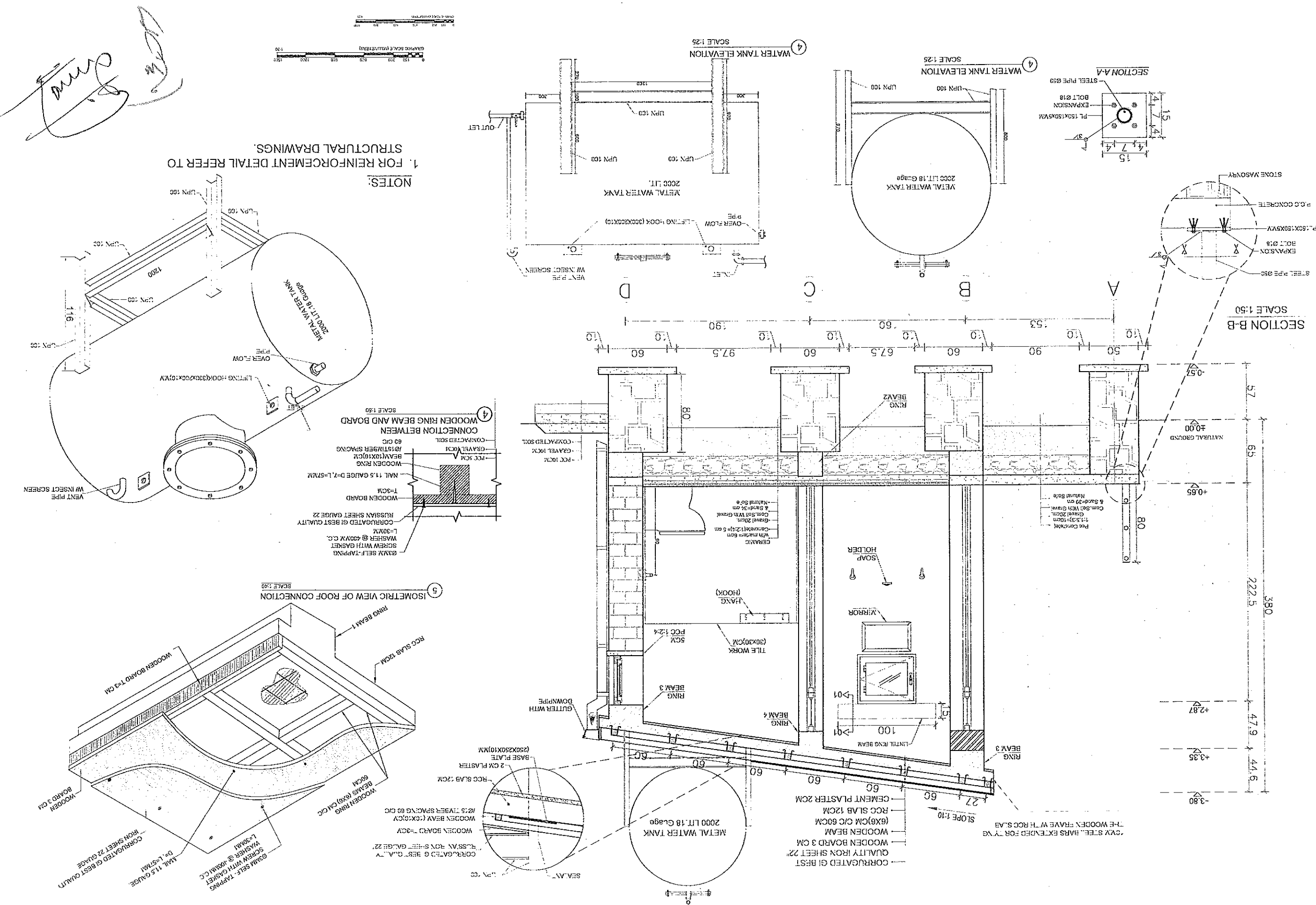


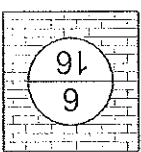
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ROOF PLAN
SCALE 1:50

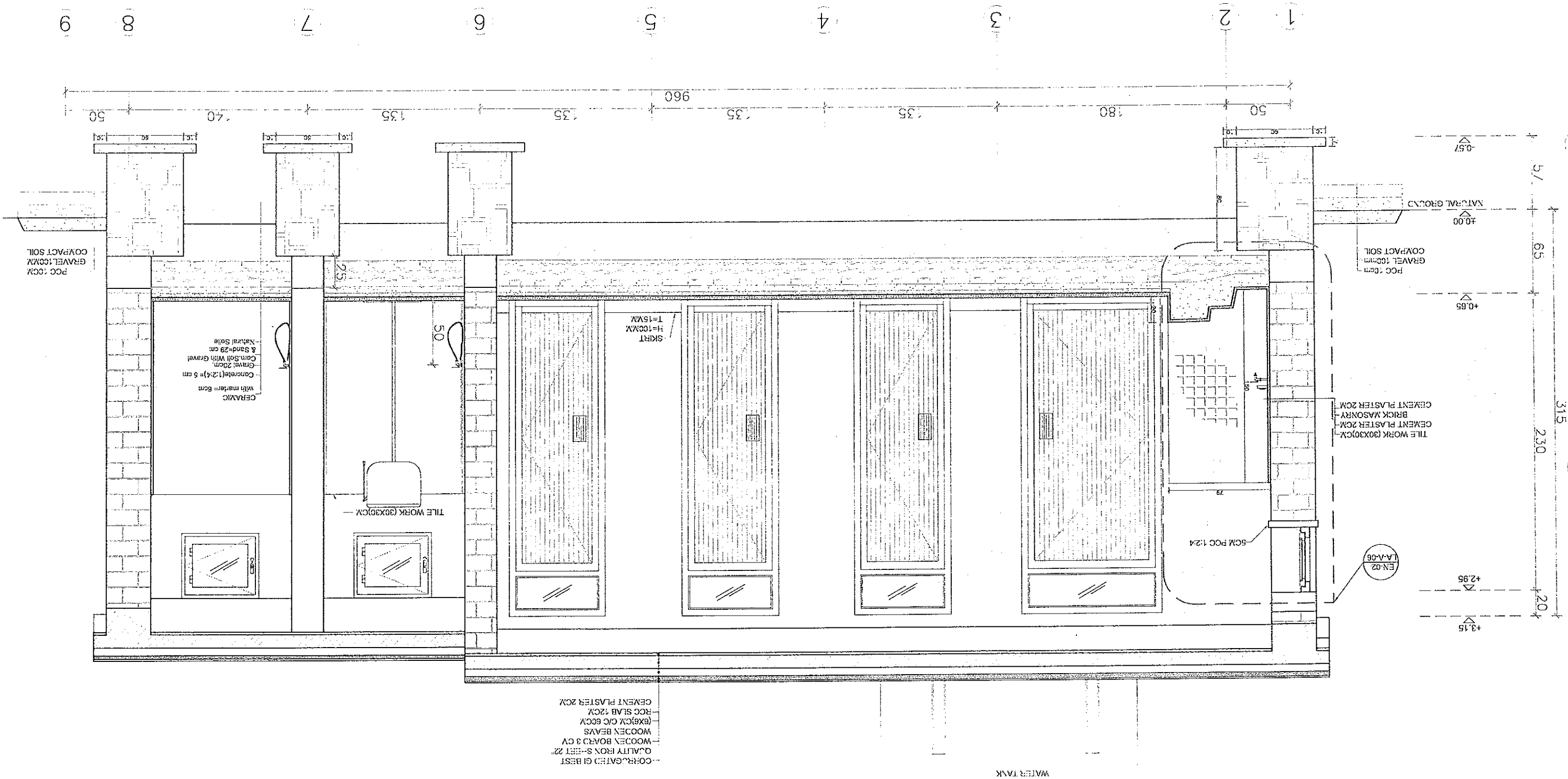
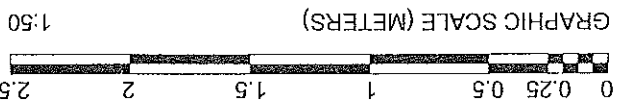








SECTION A-A
SCALE 1:50



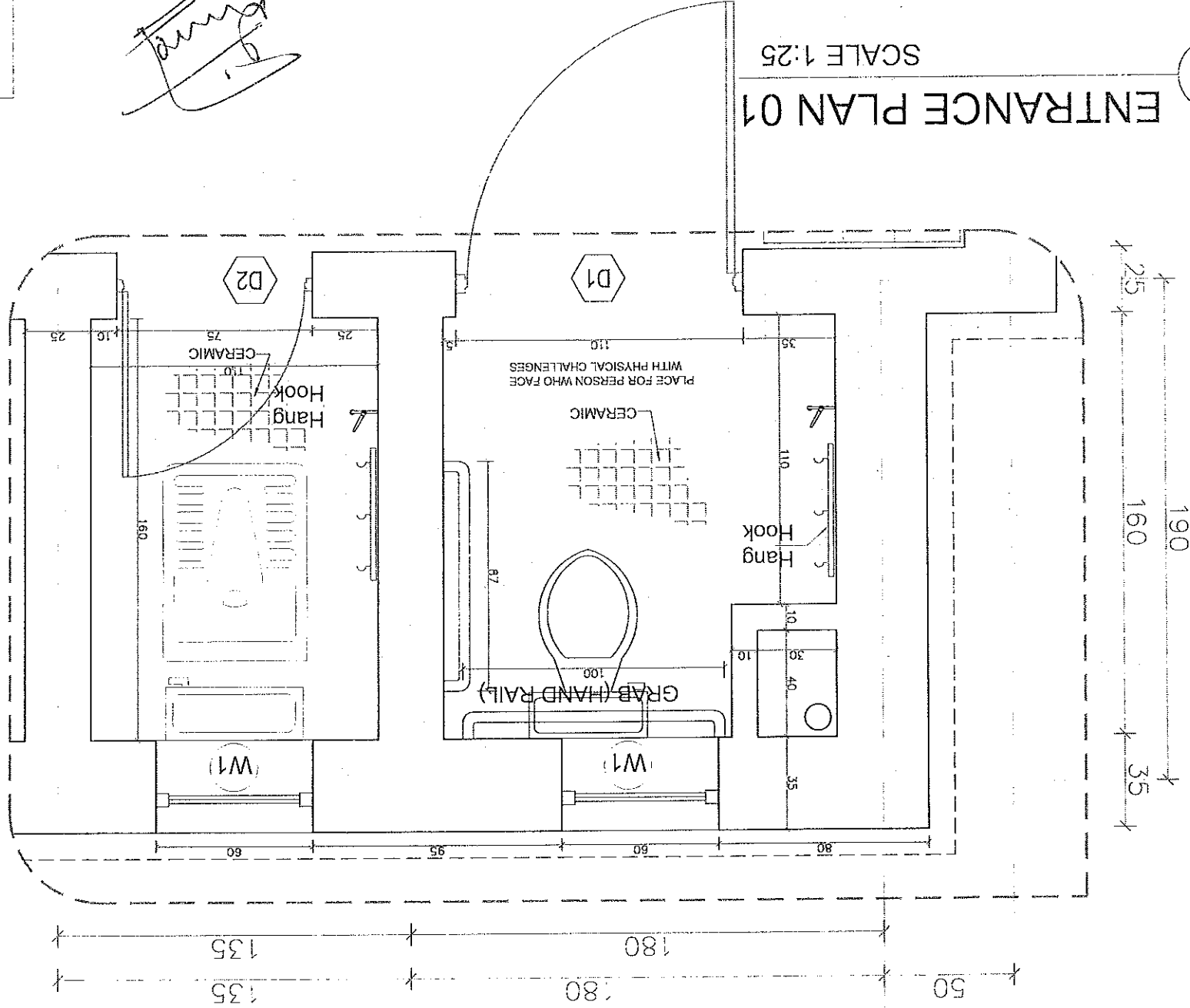


THE BOARD (MESSAGE) TO BE PAINTED ON WALL WHERE APPROPRIATE
USAGE INSTRUCTION FOR LATRINE:
LATRINE TO BE KEPT CLEAN, FOLLOWING UNICEF HYGIENE GUIDELINES

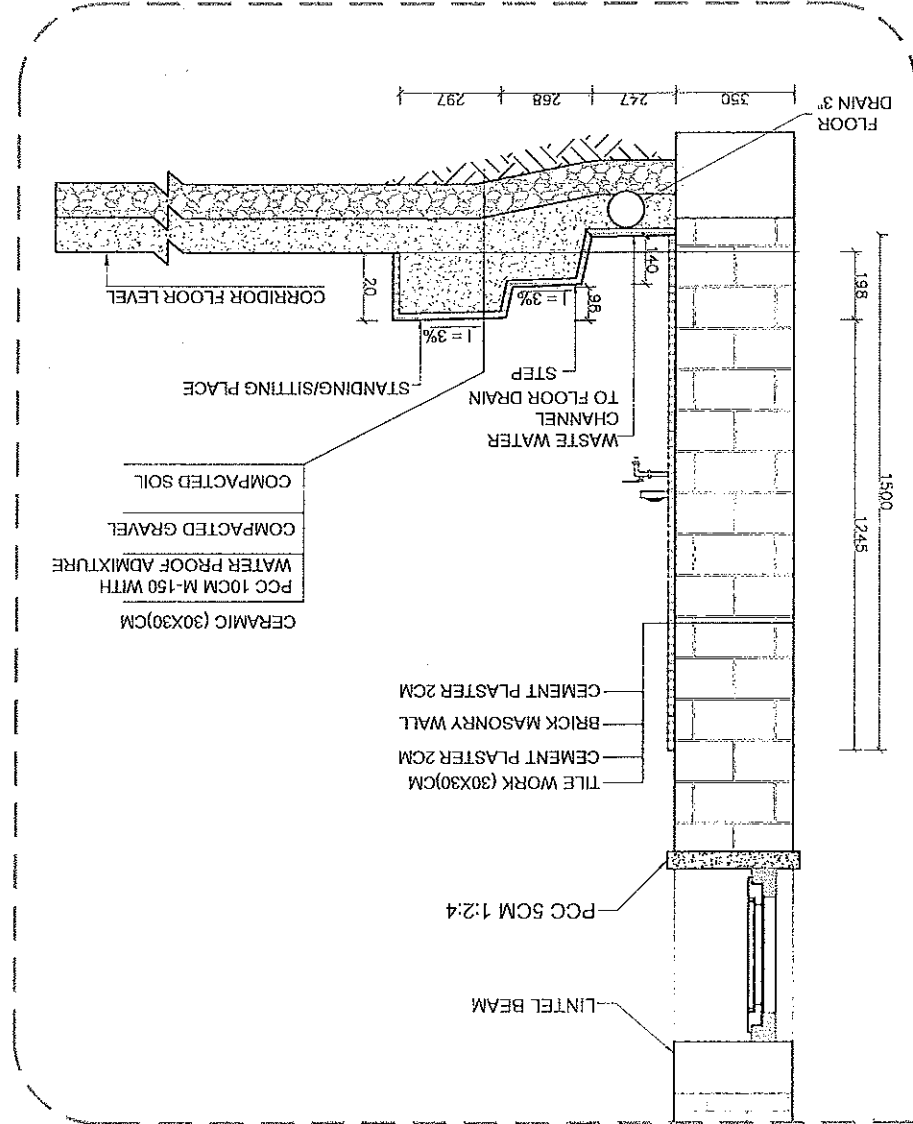
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- 1- د کورنۍ (په ټولنه کې) د استعمالولو لپاره وړاندې نه دي پیل کړي.
- 2- د کورنۍ (په ټولنه کې) د استعمالولو لپاره وړاندې نه دي پیل کړي.
- 3- د کورنۍ (په ټولنه کې) د استعمالولو لپاره وړاندې نه دي پیل کړي.
- 4- د کورنۍ (په ټولنه کې) د استعمالولو لپاره وړاندې نه دي پیل کړي.

1
ENTRANCE PLAN 01
SCALE 1:25

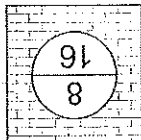


2
ENLARGE SECTION 02
SCALE 1:25





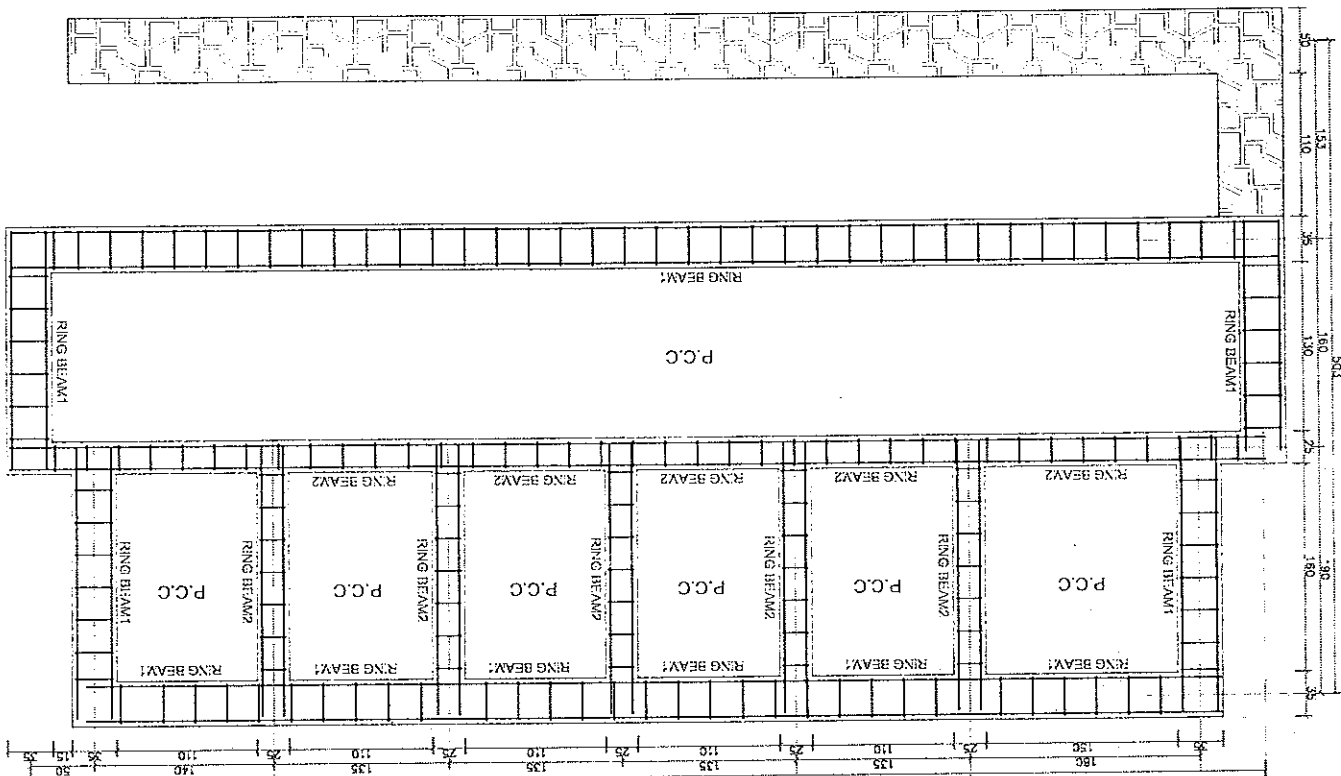
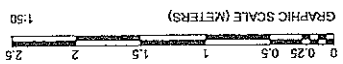
ARCHITECT BY	Eng. Najibullah	REVIEWED BY	MOE/SD	SHEET NO.	AS SHOWN (A3)
DESIGN BY	Eng. Najibullah	CHECKED BY	MOE/SD	DATE: Nov. 2020	
PREPARED BY	MOE/SD	APPROVED BY	MOE/SD		



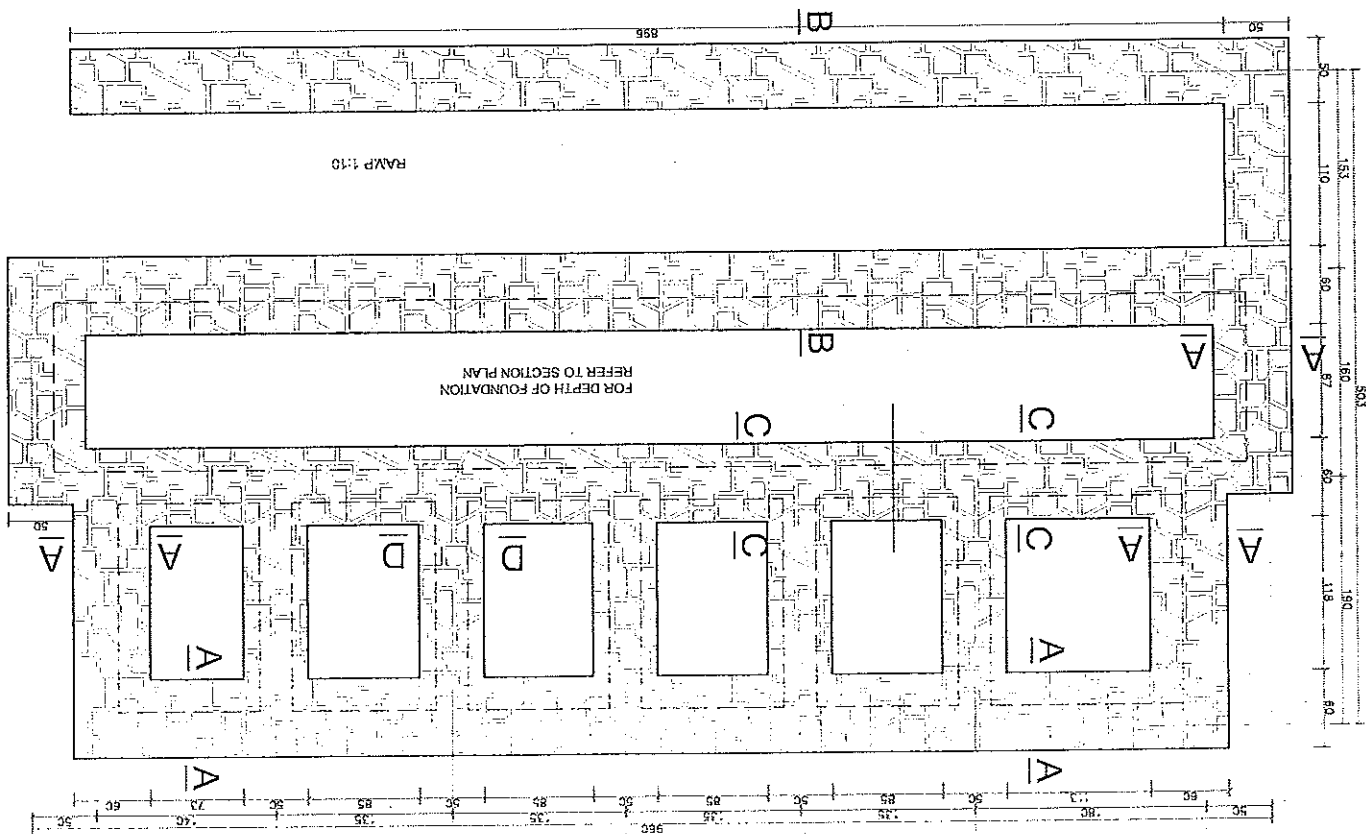
PROJECT NAME
FLASH FEMALE TOILET 6 COMPARTMENT, RCC AND WOODEN TRUSS ROOF & BURNT BRICK MASONRY WALL

DRAWING TITLE
FOUNDATION AND RING BEAM PLAN

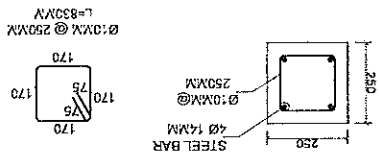
2 FLOOR RING BEAM PLAN AT ELEVATION +0.55M
SCALE 1:50



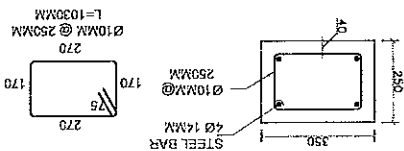
1 FOUNDATION PLAN
SCALE 1:50



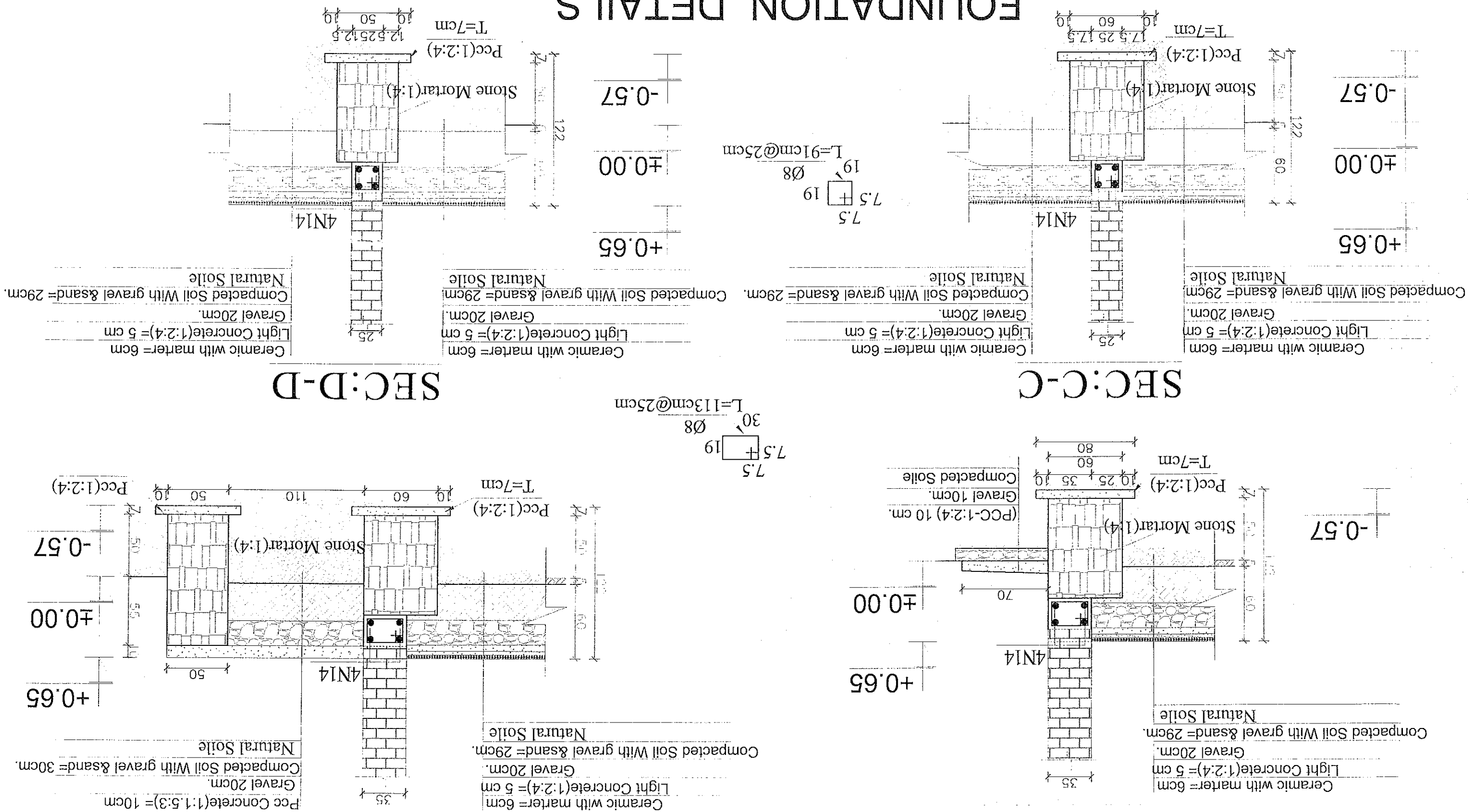
2 RING BEAM2
SCALE 1:50

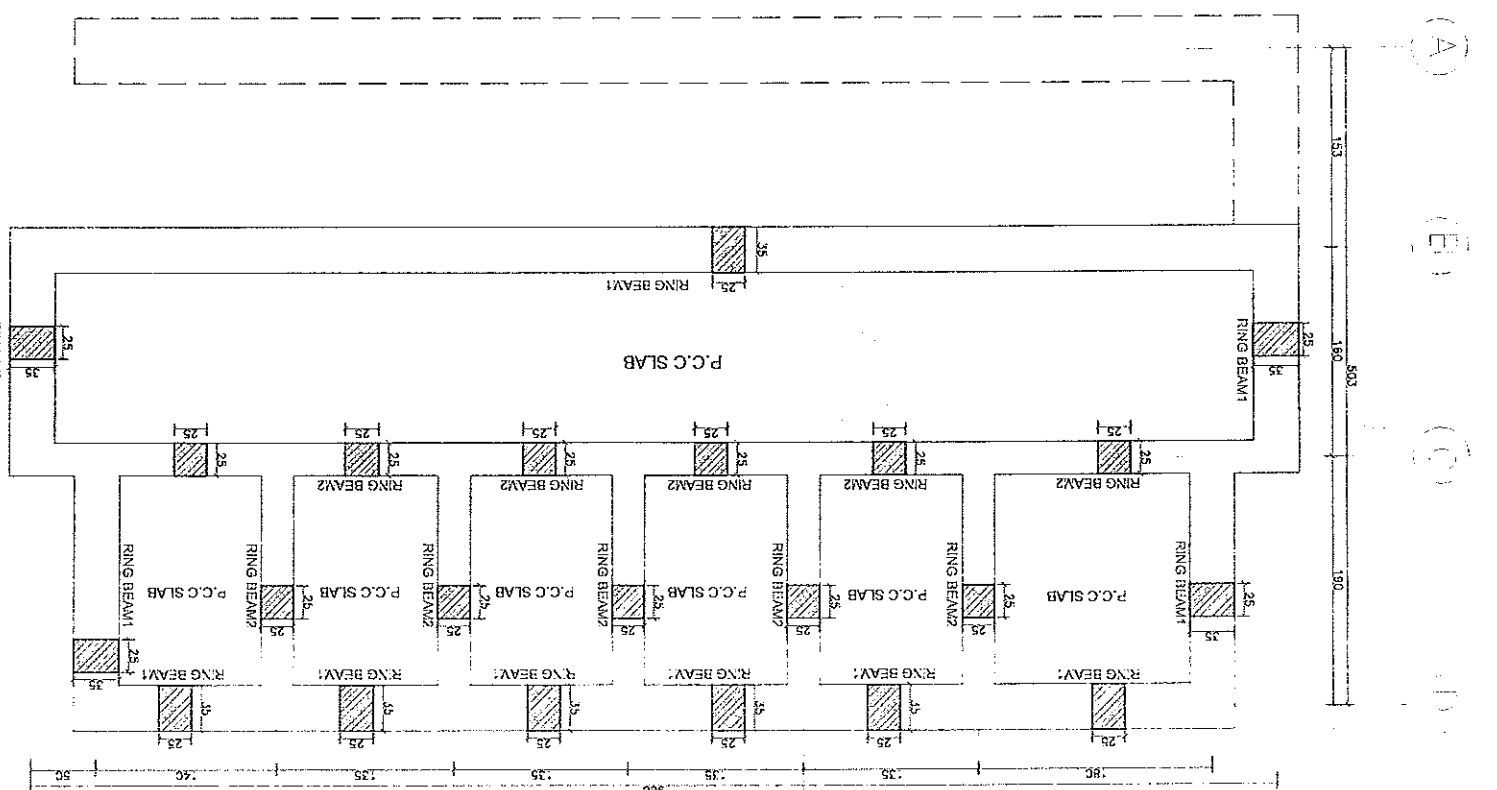


1 RING BEAM1
SCALE 1:50



SEC: A-A



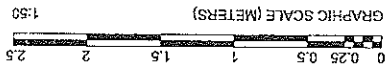
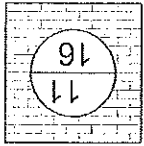




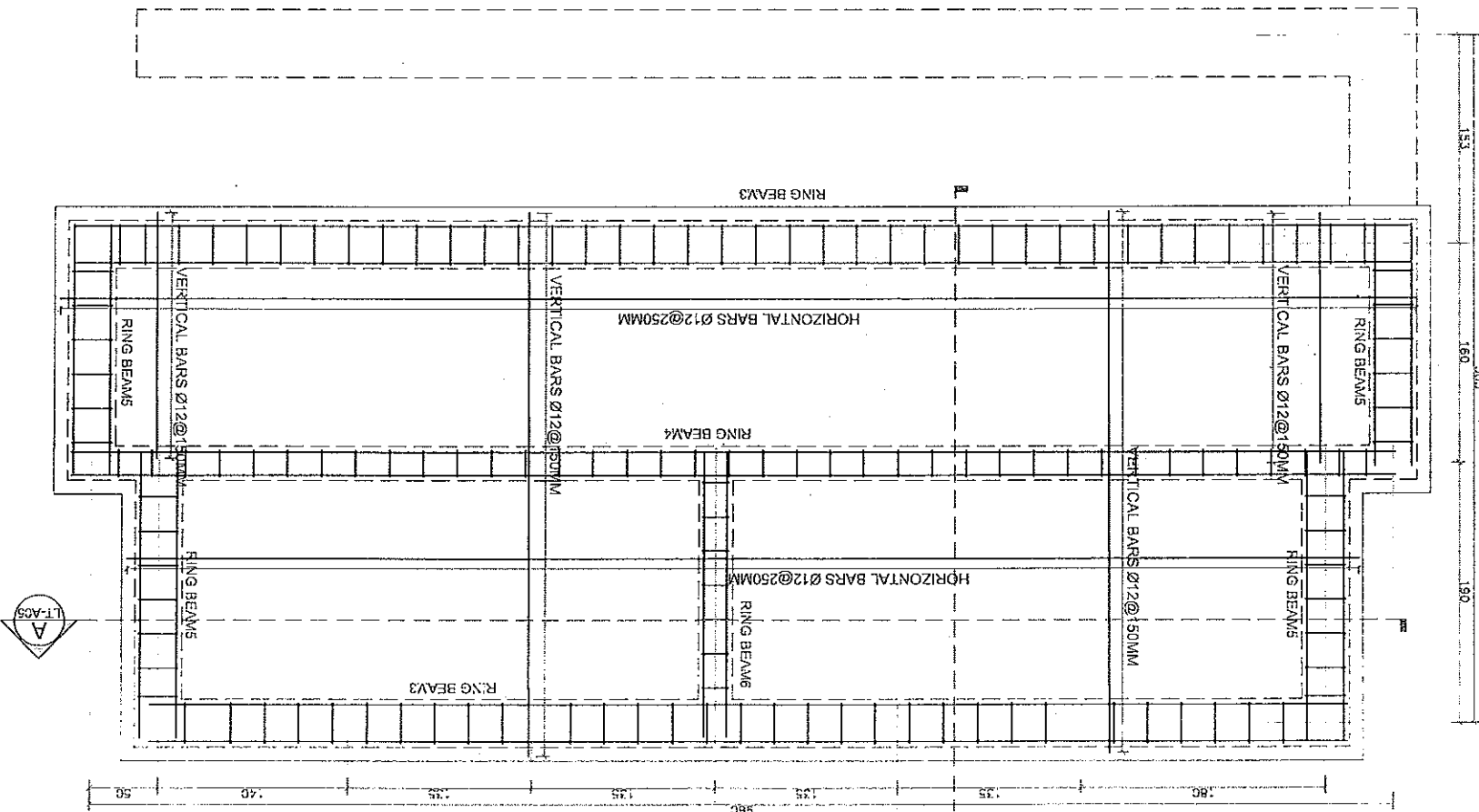
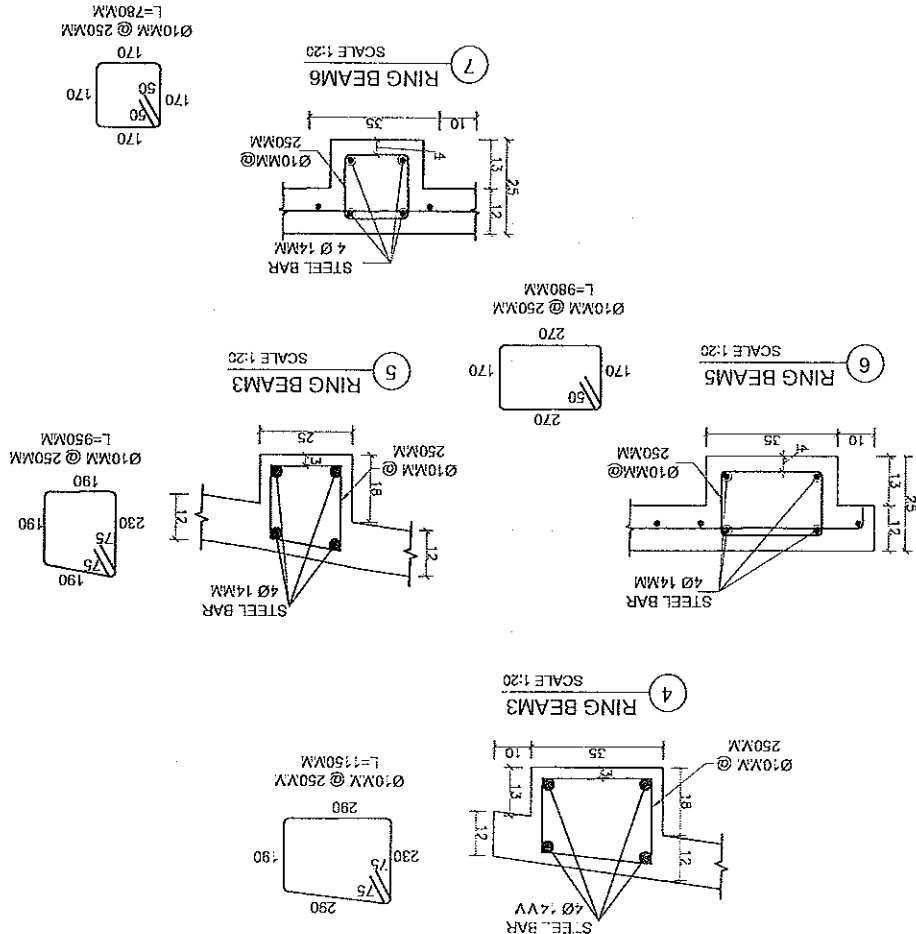
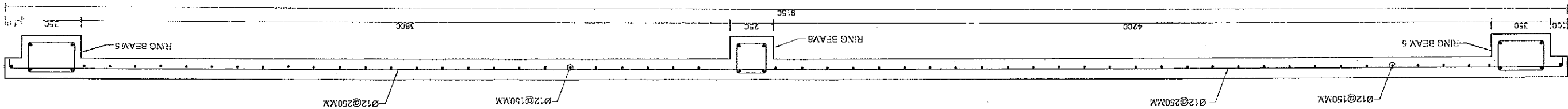
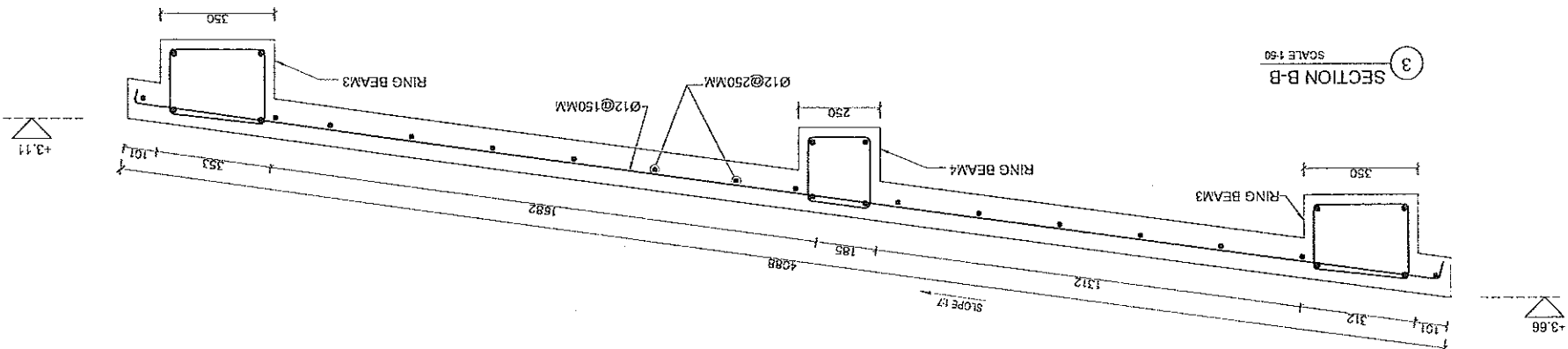
ARCHITECT BY	Eng. Nourullah	REVIEWED BY	Eng. Nourullah
DESIGN BY	Eng. Nourullah	CHECKED BY	Eng. Nourullah
PREPARED BY	MRD	APPROVED BY	MRD
SHEET NO.	AS SHOWN (A3)	DATE: April 2020	

PROJECT NAME
FLASH FEMALE TOILET 6 COMPARTMENT, RCC AND WOODEN TRUSS ROOF & BURNT BRICK MASONRY WALL

DRAWING TITLE
ROOF REINFORCEMENT PLAN



GENERAL NOTES:
1-USE GRADE40 STEEL BARS.
2-FC IS 200 KG/CM² (1:1.5:3).
3-USE 40 LAP SPLICE FOR ALL REBARS.
4-CLEAR COVER FOR SLAB IS 1.5 C. & 2CM FOR BEAM.
5-SLAB THICKNESS IS 120 MM.

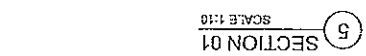
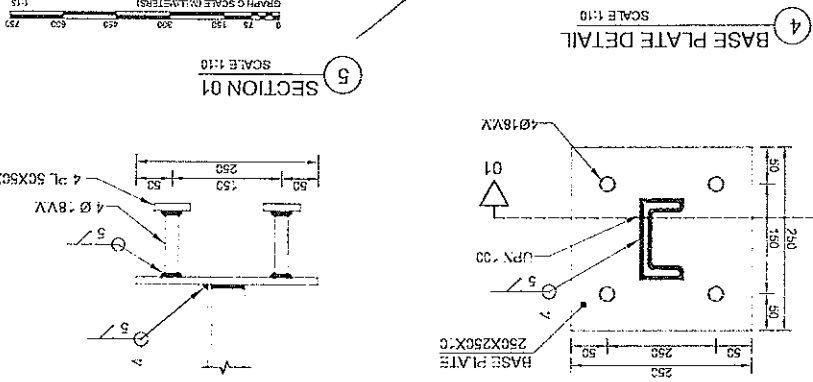
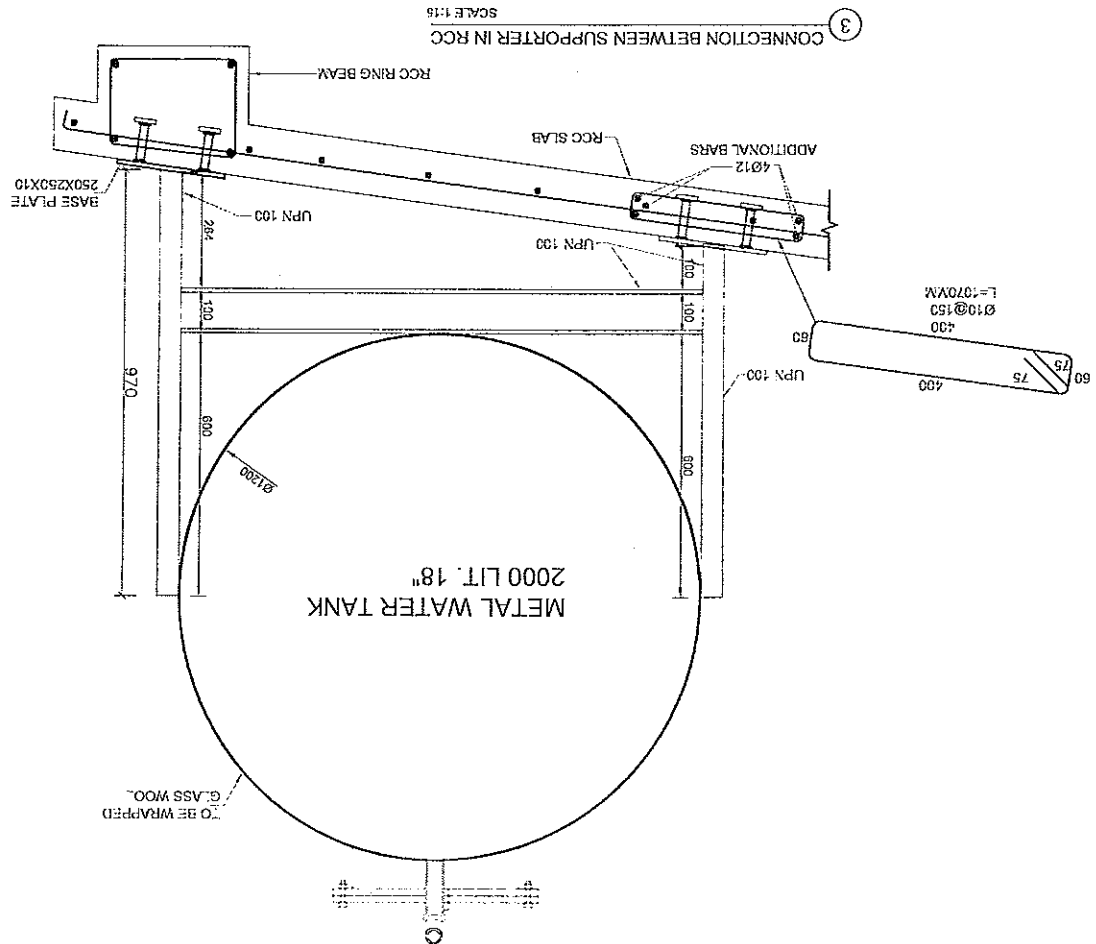
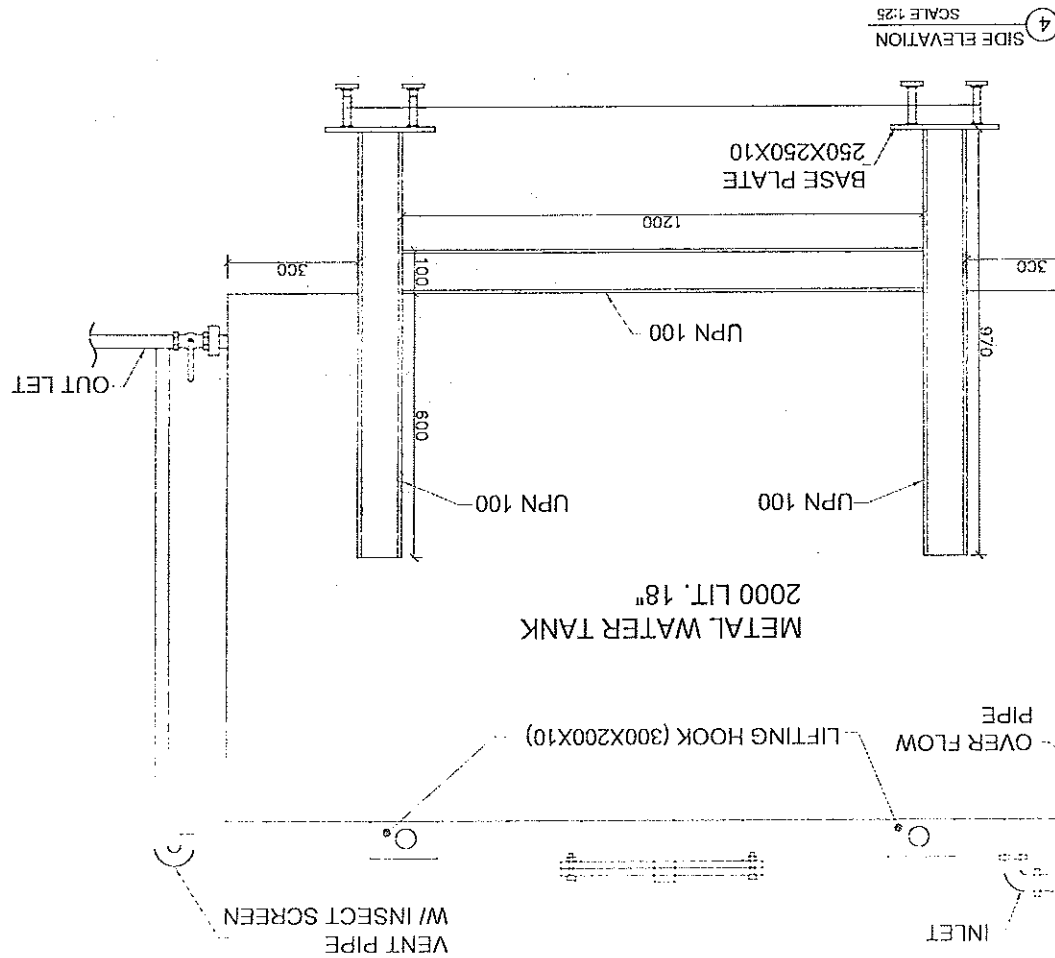
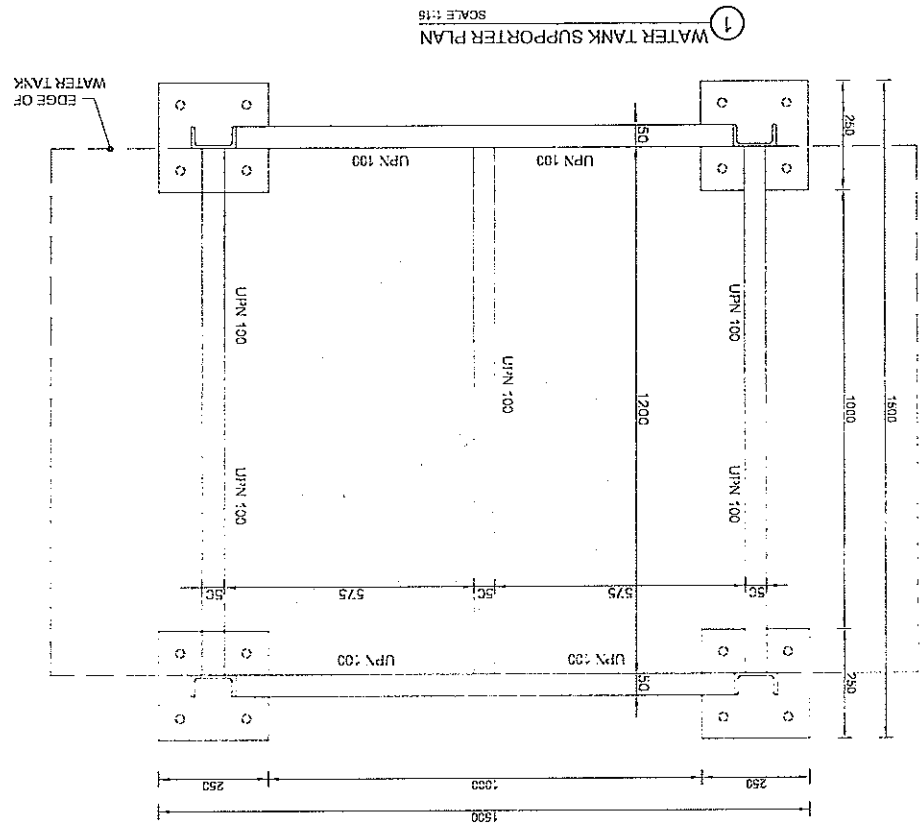




ARCHITECT BY	Eng. Najibullah	REVIEWED BY	MOE/SD	SHEET NO.	12
DESIGN BY	Eng. Najibullah	CHECKED BY	MRD/DOE	AS SHOWN (A3)	DATE: April 2020
PREPARED BY	MRD	APPROVED BY	MOE/SD		

PROJECT NAME
FLASH FEMALE TOILET 6 COMPARTMENT, RCC AND WOODEN TRUSS ROOF & BURNT BRICK MASONRY WALL

DRAWING TITLE
WATER TANK DETAIL

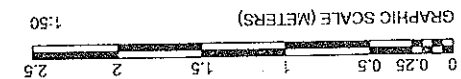
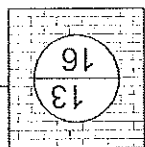


GRAPHIC SCALE (MILLIMETERS)
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DESIGNED BY	ARCHITECT BY	REVIEWED BY	CHECKED BY	APPROVED BY	MOE/SD	DATE: April 2020
Eng. Nabilah	Eng. Nabilah	Eng. Nabilah	Eng. Nabilah	Eng. Nabilah	MOE/SD	AS SHOWN (A3)
DESIGNED BY	ARCHITECT BY	REVIEWED BY	CHECKED BY	APPROVED BY	MOE/SD	DATE: April 2020
Eng. Nabilah	Eng. Nabilah	Eng. Nabilah	Eng. Nabilah	Eng. Nabilah	MOE/SD	AS SHOWN (A3)

PROJECT NAME	DRAWING TITLE
FLASH FEMALE TOILET 6 COMPARTMENT, RCC AND WOODEN TRUSS ROOF & BURNT BRICK MASONRY WALL	WATER SUPPLY PLAN

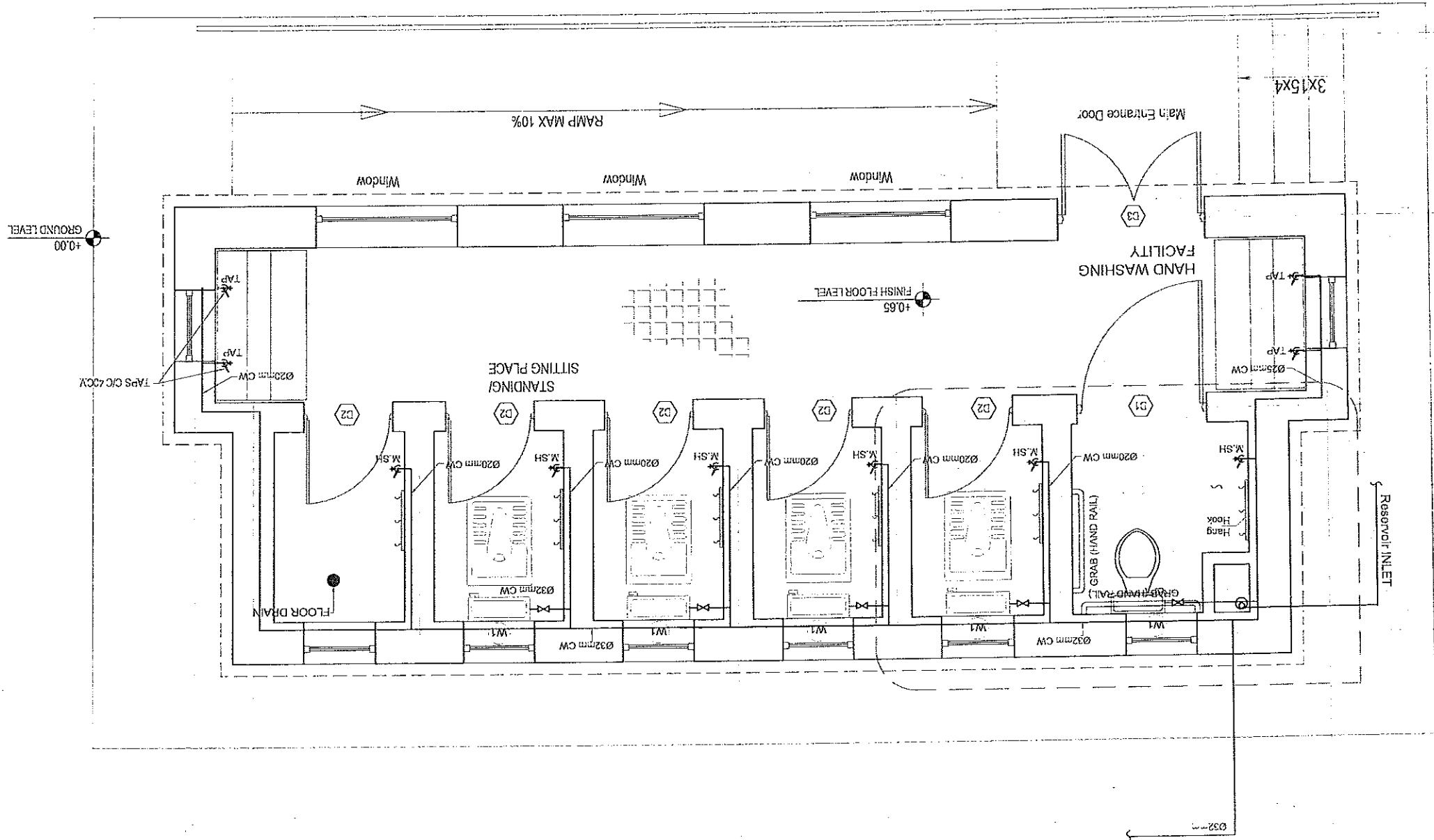












- NOTES:
1. WATER SUPPLY PIPING MATERIAL IS PVC SCHEDULE 40 NOT BY CLASSES.
 2. ALL PIPES SELECTED BY WATER SUPPLY STANDARD CODES, THE MARKET WE FIND THATS BY THE ABOVE SCHEDULE.
 3. ALL PIPES WHICH CROSSING FROM RCC SLAB AND FOUNDATION NEEDS SLEEVES FOR PIPE PROTECTION.

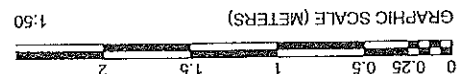
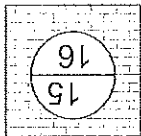
PIPES	FIXTURE NAME	C.W. (MM)	OUT SIDE D=(MM)	WALL T= (MM)	WEIGHT (Kg/m)
Supplying cold water pipes for interiors fixture items.	20	21.2	2.77	0.248	
Inlet and outlet reservoir supplying pipes	32	33.2	3.38	0.48	

Specification of PVC Sch40 pipes for water supply system.

1 WATER SUPPLY PLAN



SYMBOL	FIGURE NAME	C.W. (MM)	WASTE (MM)	VENT (MM)	HEIGHT (M)
	WESTERN WATER CLOSET	20	100	50	+0.65
	BACK OUTLET OR FLOOR OUTLET				
	EASTERN WATER CLOSET WITH FLUSH TANK	20	100	50	+0.65
	CHECK VALVE	32			+1.7
	GATE VALVE	20			-1.65—+1.9
	TAP	20	0	0	-0.85
	LAVATORY (LAV)	0	75	-	-0.65
	FLOOR DRAIN	0	75	-	-0.65
	MUSLIN SHOWER	20	-	-	+0.85
	FLOOR CLEAN OUT		-	100	+0.6



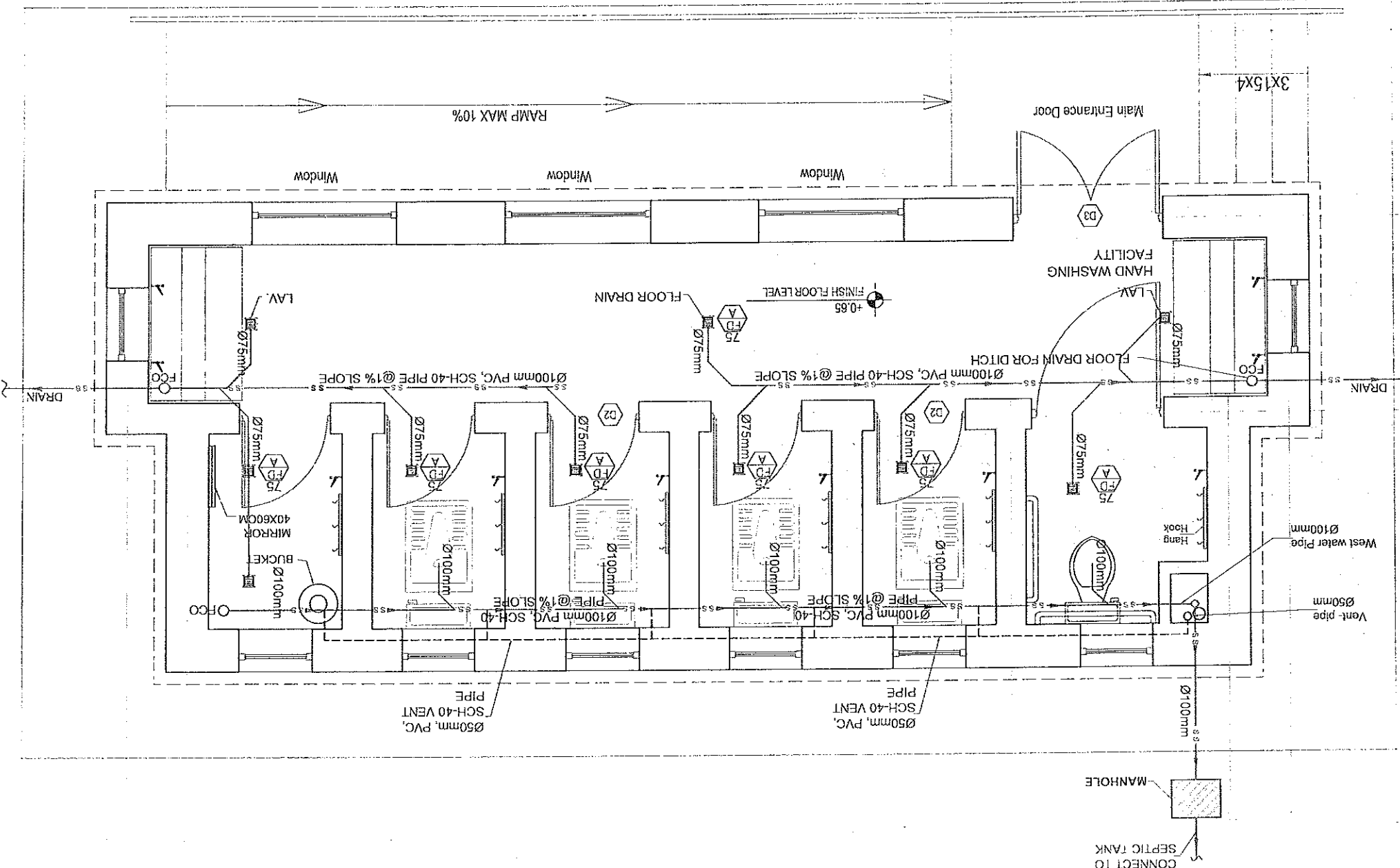
- NOTES:
1. ALL PVC PIPES HAVE BEEN SELECTED BY THE ASTM D1785-94 / SCH.40 STANDARDS DIMENSIONS.
 2. ALL PIPES WHICH CROSSING FROM RCC, SLAB AND FOUNDATION NEEDS SLEEVES FOR PIPE PROTECTION.

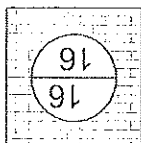
1 CANALIZATION NETWORK

SCALE 1:50

Specifications of PVC Sch.40 pipes for west water.

Pipes	FIXTURE NAME	West (M)	Out side D=(M)	Wall, T= (M)	Weight (Kg/m)
—	Floor drain west pipe	75	88.7	5.49	2.16
—	Ventilation pipe	50	60.17	3.91	1.04
—	West water and floor drain pipe	100	114.07	6.02	3.07





GRAPHIC SCALE (METERS)
0 0.25 0.5 1 1.5 2 2.5
1:50

FOR SEWER MANHOLE DETAILS REFER TO SEWER
MANHOLE DRAWING.

NOTES:

1. ALL DOMESTIC WATER LINES SHALL BE PVC (COLD WATER ONLY), PVC (WASTE WATER AND VENT PIPES)
2. ALL WATER PIPE THAT IS EXPOSED SHALL BE COVERED WITH METAL COVER TO KEEP AWAY FROM ACCESS OF PRISONERS
3. WATER PIPING EXPOSED TO OUTDOOR CONDITIONS SHALL BE INSULATED FOR FREEZE AND SUN LIGHT PROTECTION AND THE INSULATION CONFORMING TO SPECIFICATION.
4. THE DOMESTIC WATER PIPE AND FITTING WHICH RUINING ON THE ROOF UNDER CORRUGATED SHEETS SHALL BE PROPERLY INSULATED FOR FREEZE PROTECTION.
5. INSULATION SHALL BE PROVIDED WHERE REQUIRED TO CONTROL SWEATING OF PIPES OR TO PROVIDE PROTECTION FROM FREEZING. TOILETS SHALL BE ORIENTED NORTH AND SOUTH.
6. ALL PIPES WHICH CROSSING FROM RCC, SLAB AND FOUNDATION NEEDS SLEEVES FOR PIPE PROTECTION.

NOTE:-

Specifications of PVC Sch.40 pipes for west water.

1
CANALIZATION NETWORK
SCALE 1:50

PIPES	FIXTURE NAME	West	Out side	Weight
—	—	(MM)	D=(MM)	(Kg/m)
—	—	100	114.07	6.02
—	—	50	60.17	3.91
—	—	75	88.7	5.49
—	—	—	—	2.16
—	—	—	—	3.07

SYMBOL	FIXTURE NAME	C.W. (MM)	WASTE (MM)	VENT (MM)	HEIGHT (M)
—	WESTERN WATER CLOSET	20	100	50	+0.65
—	EASTERN WATER CLOSET	20	100	50	+0.65
—	CHECK VALVE	32	—	—	+3.7
—	GATE VALVE	20	—	—	+1.65-+1.9
—	TAP	20	0	0	+0.85
—	LAVATORY (LAV.)	0	75	—	+0.65
—	FLOOR DRAIN	0	75	—	+0.65
—	MUSLIM SHOWER	20	—	—	+0.85
—	FLOOR CLEAN OUT	—	100	—	+0.6

PLUMBING FIXTURE SCHEDULE

