THE UNITED REPUBLIC OF TANZANIA



PRESIDENT'S OFFICE REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT

PROPOSED STANDARD DRAWINGS FOR SCHOOL FACILITIES.

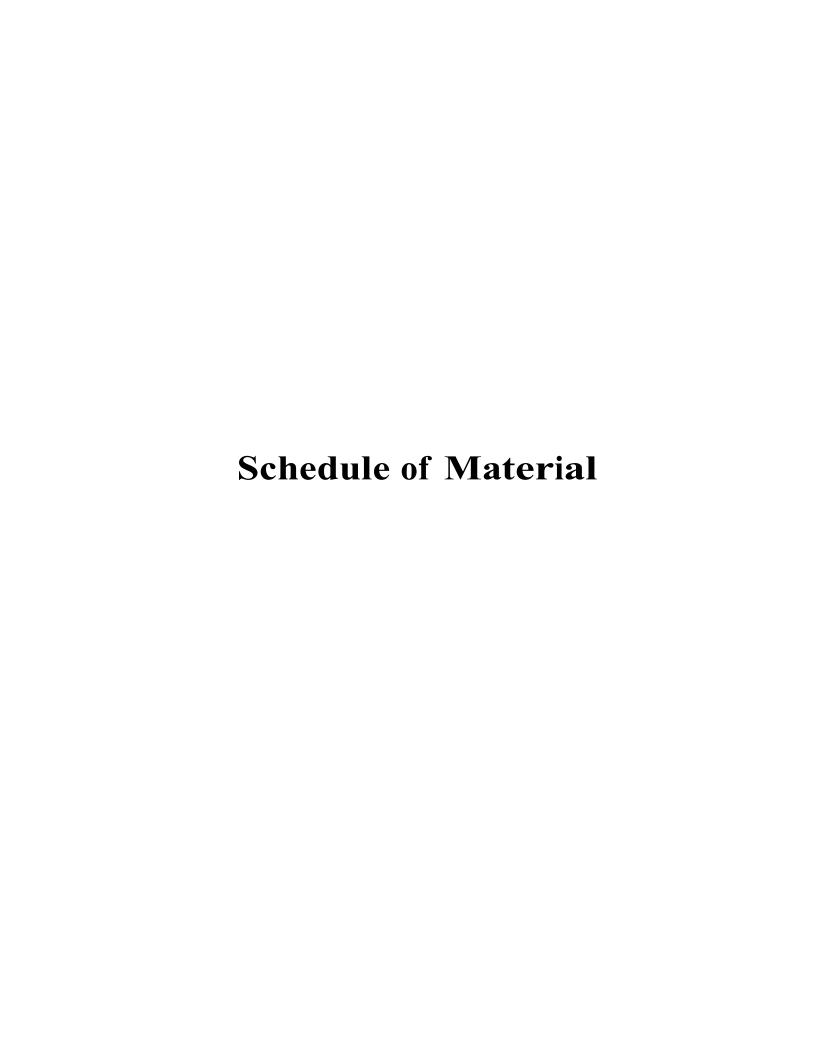
Schedule of Materials, Labour & Drawings for 200 Pupils Toilet Block (8 Stances) for Boys – Dry area.

PROJECT AREA

TANZANIA MAINLAND

Ministry of Education, Science and Technology,

Government City - Mtumba, AFYA -Street, P. O. Box 10, **40479 DODOMA.** President's Office, Regional Administration, & Local Government Government City - Mtumba TAMISEMI Street, P. O. Box 1923, 41185 DODOMA.



ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
	<u>MATERIALS</u>				
Α	SUB-STRUCTURE -PROVISIONAL				
1	Strip Foundation - Grade 15 Plain				
	Aggregate (3/4")	5	M^3		
	Sand		M ³		
	Cement-50kgs (42.5)	22	Bags		
2	Foundation Walls				
	6" Cement & Sand block - Minimum Strength 3. 5 MPa	375			
	Sand		M^3		
	Cement -50kgs (42.5)	7	Bags		
3	Moram, Hardcore & Site sterilization				
	Moram (4.5m³ lorry)	2	Trips		
	Hardcore (4.5m ³ lorry)	2	Trips		
	Sand blinding	3	M^3		
	Adrian 0.5% solution or equal 500mls	1	Bottle		
4	Oversite Concrete (100mm thick - 20 grade) & Ground Beam - 20 grade, columns and Ramp				
	DPM	25	M^2		
	Cement -50kgs	25	Bags		
	Aggregates (1/2")	4	M^3		
	Sand	2	M^3		
	Reinforcement - 12mm diameter high tensile	14	PC'S		
	Reinforcement - 8mm diameter	12	PC'S		
	Binding Wire	4	Kg		
	A252 Mesh 200 x200x6.16kg/m2	1	PC'S		
	Timber 1" X 10 " (3.6m long)	8	PC'S		
	Timber 2" X 2"		PC'S		
	Nails-4"		Kgs		
	Nails-3"		Kgs		
	Supporting props		PC'S		
	SUB-TOTAL SUBSTRUCTURE				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
В.	SUPERSTRUCTURE				
1	Walls & Ring beam & Columns				
	6" Cement & Sand block - Minimum Strength 3.5	890			
	Cement & Sand Perforated blocks	0	No		
	DPC 25m long x 1m wide)		M		
	Sand	5	M^3		
	Cement-50kgs	16	Bags		
	Aggregates (1/2")	1	M^3		
	Reinforcement - 12mm diameter high tensile	8	PC'S		
	Reinforcement - 8mm diameter	6	PC'S		
	Binding Wire	4	kg		
	A252 Mesh 200 x200x6.16kg	0	PC'S		
	Timber 1" X 10" to Sides (3.6m long)	6	PC'S		
	Timber 1" X 6" (Plates)	2	PC'S		
	Timber 2" X 2"	4	PC'S		
	Supporting Props	4	PC'S		
	SUB-TOTAL SUPER STRUCTURE				
C.	ROOF STRUCTURE & COVERING				
1	Roof Structure - Provisional (3.6m long)				
	Timber 2 " X 3" Purlins	9	PC'S		
	Timber 2" X 4" Wall plate,Rafter	10	PC'S		
	Fascia board 1" X 8"	6	PC'S		
	Nails -5"	3	Kgs		
	Nails -4"	3	Kgs		
	Nails -3"	3	Kgs		
	NOTE: The above softwood timber structure				
	should be pressure impregnated treated				
2	Roof Covering				
	28G IT5 resincoated sheet 3m long	12	pcs		
	Roofing Nails	1	Kgs		
	TO COLLECTION			C/F	

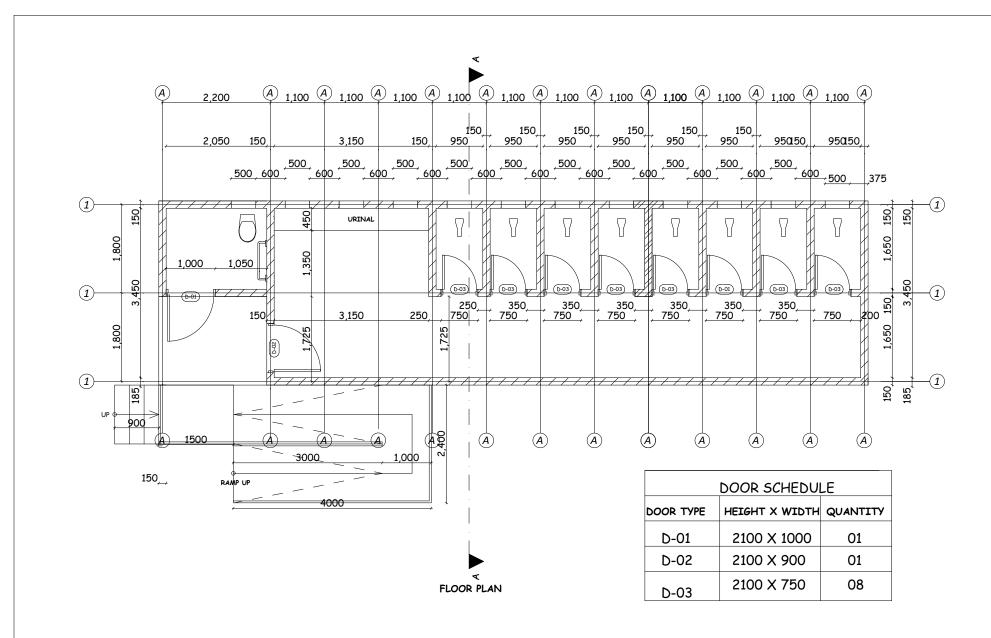
ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
	ROOF STRUCTURE & COVERING CONT				
				B/F	
3	<u>Gutter's</u>				
	Upvc 100mm half round (6m long)-5"	2	PC'S		
	Upvc 75mm diameter down pipe; Class B	1	PC'S		
	PVC outlet	1	PC'S		
	PVC bend 45'		PC'S		
	Gutter support bracket		PC'S		
	Gutter Clamp 3"		PC'S		
	Connector		PC'S		
	SUB-TOTAL ROOF STRUCTURE & COVERING	•	100		
D.	DOOR				
1	40mm thick hardwood (mninga) or equal and				
	aproved paneled door shutter	1	PC'S		
	920 x 2100mm high				
	720 x 2100mm high	8	PC'S		
2	45x145mm Frames (hardwood), Varnish, Glass &				
	Buralar bar				
	1000 x 2100 mm high frame	1	PC'S		
	800 x 2100mm high frame	8	PC'S		
	Brush 3"	2	Pcs		
	Sand paper (msasa) No.80	2	LM		
	Clear Varnish - 4Litres	2	TIN		
	Thinner for Varnish -4Litres	2	Litres		
	Door grill with 38mm x 4mm flat bars, 25mm x 25mm square pipespainted with red oxide				
		1	NIO		
	1000 x 1500mm high	<u> </u>	No		
3	<u>IronMongeries</u> - ref Union				
	Barrel bolt with pad lock	10	No		
	Flush bolt	10	No		
	Brass hinges - 100mm		Pairs		
	SUB-TOTAL FOR DOORS				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
E.	FINISHING				
1	Floor finishing -				
	Bedding/Backing; cement sand and Chipping (1:2:2); to steel finishing				
	Sand	2	M^3		
	Cement-50kgs	8	Bags		
2	Wall Finishing				
	Sand	3	M^3		
	Cement-50kgs	10	Bags		
	Wall Puty	7	Bags		
	SUB-TOTAL FOR FINISHING				
F.	PAINTING & DECORATION				
	Emulsion Paint - 20 LTRS	3	bucke	ets	
	Weather guard Paint - 20 LTRS	1	bucke	ets	
	Washable paint -20 LTRS	1	bucke	ets	
	Primer paint -5 LTRS	1	bucke	ets	
	Solvent - 3LTRS	1	TIN		
	Brush 3"	2	Pcs		
	Roller	2	Pcs		
	Gloss paint-2LTR	1	TIN		
	Bitumen paint - 4Litres	1	TIN		
	SUB-TOTAL FOR PAINTING&DECORATION				
_					
G.	PLUMBING & SANITARY INSTALLATION- PROVISIONAL				
1	Western type high level W.C disabled toilet, suite vitrious china to B.S 3402 s/p-trap compete with its accessories, supporting rails, Handwashing and any other accessories complete	1	Pcs		
2	PIPES WORK				
	SUPPLY PIPE PN 16				
	PPR/IPS pipes class B argentina 3/4"	Pcs	6		
	PPR/IPS socket (20Ø) 3/4"	No	6		
	PPR/IPS elbow (20Ø) 3/4"	No	35		
	PPR/IPS tee (20Ø) 3/4"	No	36		
	PPR/IPS niple (20Ø) 3/4"	No	50		

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
	PPR/IPS reducing bush (20Ø) 3/4" to 1/2"(15Ø)	No	46		
	PPR/IPS pipes class B argentina 1"(32Ø)	Pcs	3		
	PPR/IPS socket 1"(32Ø)	No	6		
	PPR/IPS elbow 1"(32Ø)	No	4		
	PPR/IPS tee 1"(32Ø)	No	4		
	PPR/IPS niple 1"(32Ø)	No	4		
	PPR/IPS reducing bush (32Ø) 1" to 3/4"(20Ø)	No	10		
	PPR/IPS pipes class B argentina 11/2"(50Ø)	Pcs	6		
	PPR/IPS socket 11/2"(50Ø)	No	4		
	PPR/IPS elbow 11/2"(50Ø)	No	4		
	PPR/IPS tee 11/2"(50Ø)	No	4		
	PPR/IPS niple 11/2"(50Ø)	No	4		
	PPR/IPS reducing bush (50Ø) 11/2" to 1"(32Ø)	No	3		
	Seal tape	Pcs	20		
	VALVES AND CONTROLS				
		NIO	15		
	Bib cork pex/martex 1/2" PN 16	No	10		
	Gate valve pex/martex 3/4" PN 16	No			
	Gate valve pex/martex 1" PN 16 Ball valve 11/4"	No	1		
	·	No	1		
	WATER STORAGE TANK 1,000litres TANK	NIO	0		
	Tank connector 1"	No	2		
	Tangit glue 1000g	No	6		
		kg	l l		
	Clamp 3"	5	PC'S		
	SUB-TOTAL FOR PLUMBING & SANITARY				
	INSTALLATION-				
	TANK BASE				
	6" Cement & Sand block - Minimum Strength 3.5 MPa	20	No		
	Cement-50kgs	2	Bags		
	Aggregates (1/2")	1	M3		
	Sand	1	M4		
	TOTAL FOR TANK BASE				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
	SOAK AWAY PIT				
	<u>MATERIALS</u>				
1	Strip Foundation - Grade 15 Plain				
ı	Aggregate (3/4")	3	M^3		
	Sand		M^3		
	Cement-50kgs		Bags		
2	230mm thick Walls				
	6" Cement & Sand block - Minimum Strength 3.5 MPa	1,400	No		
	Sand		M^3		
	Cement -50kgs		Bags		
	Hardcore 230mm thick (4.5m³ lorry)		Trips		
	150 many thinks Sugar and add Cam are to allow 9 are and				
4	150mm thick Suspended Concrete slab & ground beam- 20 grade				
	Cement -50kgs	49	Bags		
	Aggregates (1/2")	6	M^3		
	Sand	3	M^3		
	Reinforcement - 12mm diameter high tensile	13	PC'S		
	Reinforcement - 8mm diameter high tensile	14	PC'S		
	Reinforcement - 10mm diameter high tensile	61	PC'S		
	Binding Wire - 1kg	10	Kgs		
	Timber 1" X 10 " (3.6m long)	14	PC'S		
	Marine board	10	PC'S		
	Timber 2" X 2"	10	PC'S		
	Supporting props	15	PC'S		
	Nails-4"	8	Kgs		
	Nails-3"		Kgs		
	Pre Cast concrete chamber 600 x 600mm		PCS		
	TOTAL SOAK AWAY PIT				
L	Steel handrails to ramp				
L	·				
	Supply and fix steel support handrails 750mm high				
	comprising 38mm diameter hollow section pipe				
	top, bottom and vertical rails spaced at 300mm				
	centres to centres as per Architectural drawings	8	m		

	SUMMARY	AMOUNT TZS
	8no stances toilets block -BOYS BLOCK	
Α.	SUB-STRUCTURE -PROVISIONAL	
D	CURERCTRUCTURE	
В.	SUPERSTRUCTURE	
C.	ROOF STRUCTURE & COVERING	
<u> </u>	NOOT STRUCTURE & COVERNIVO	
D	DOOR	
Е	FINISHING	
F	PAINTING & DECORATION	
_		
G	PLUMBING AND INSTALLATION	
11	TANK DACE	
Н.	TANK BASE	
J.	SOAK AWAY PIT	
J.		
L	HANDRAILS TO RAMP	
	TOTAL BUILDING MATERIALS CARRIED TO GENERAL SUMMARY	
	ADD:	
	ADD.	
	LABOUR COST CARRIED TO GENERAL SUMMARY : (Improve and Fill the respective	e Labour form)
	·	
	Note:	
	i Refer General Summary for: Preliminary, Transportation and Supervision Costs	S
	ii. Preliminary cover the following item:	Coeffe Latina
	- Setting out working tools, Equipments, Temporary toilets, water for the works,	
	- Power for the works, Security, store, Materials test, levelling, holdings and rer iii. Supervision cost depend on guideline of the specific project	novai oi tuddish.
	iii. Supervision cost depend on guideline of the specific project	
		-



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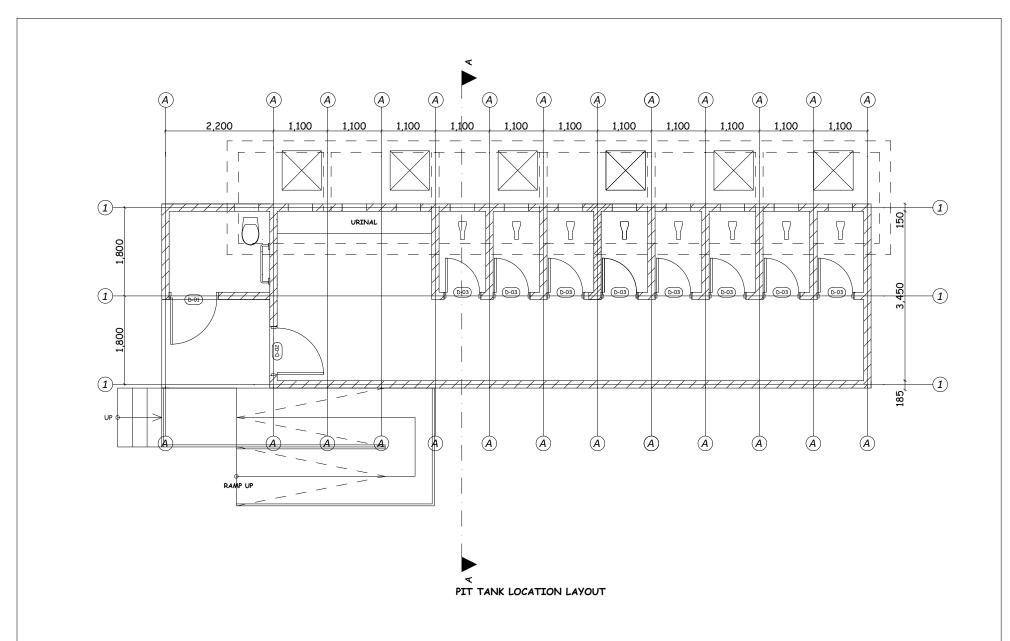
PRESIDENT'S OFFICE REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT

PROVISION OF PHYSICAL FACILITIES IN PRIMARY SCHOOLS

DRAWING TITLE
TOILET 8 STANCES WITH FACILITY FOR DISABLED BOYS
DRY AREA - FLOOR PLAN

DRAWING NO. BP/ARC/TLT-DB150/01

DRAWN BY J.R CHECKED BY I.A.S. SCALE 1;200 DEC;2022



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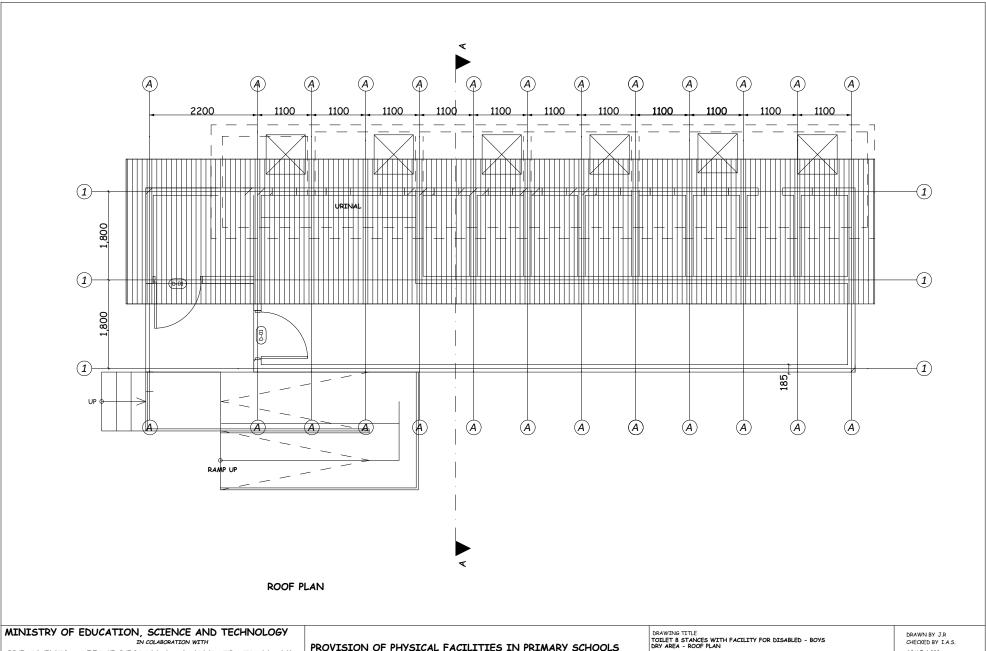
PRESIDENT'S OFFICE REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT

PROVISION OF PHYSICAL FACILITIES IN PRIMARY SCHOOLS

DRAWING TITLE
TOTLET 8 STANCES WITH FACILITY FOR DISABLED - BOYS
DRY AREA - FLOOR PLAN

DRAWING NO. BP/ARC/TLT-DB150/02

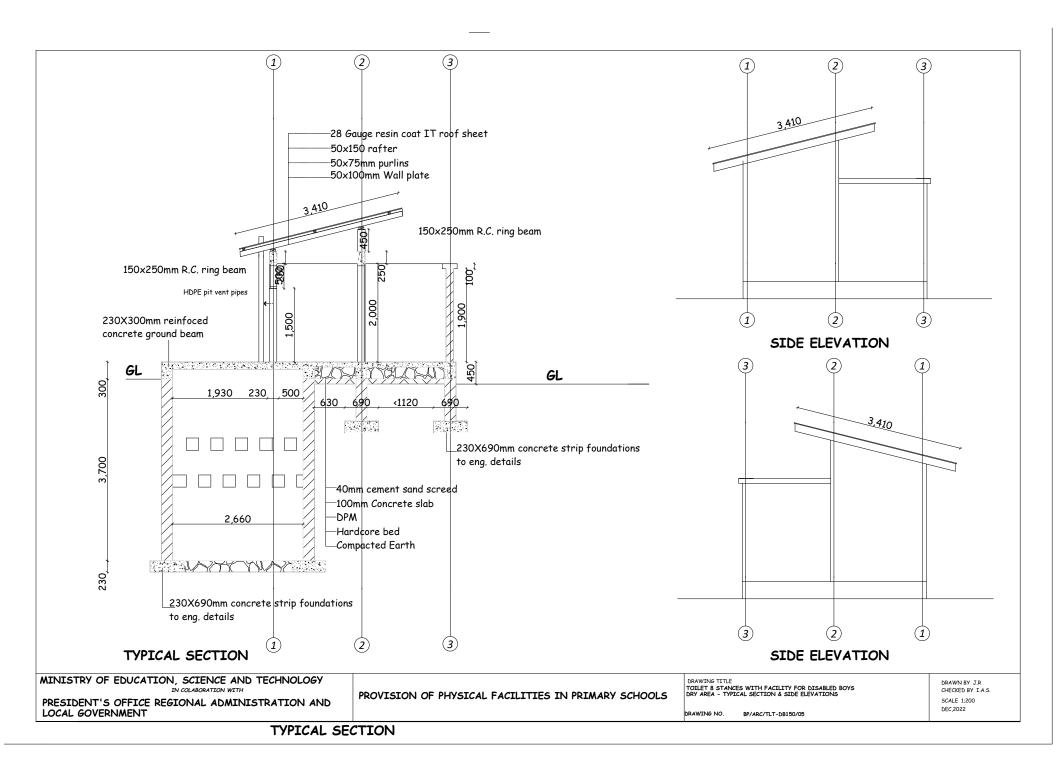
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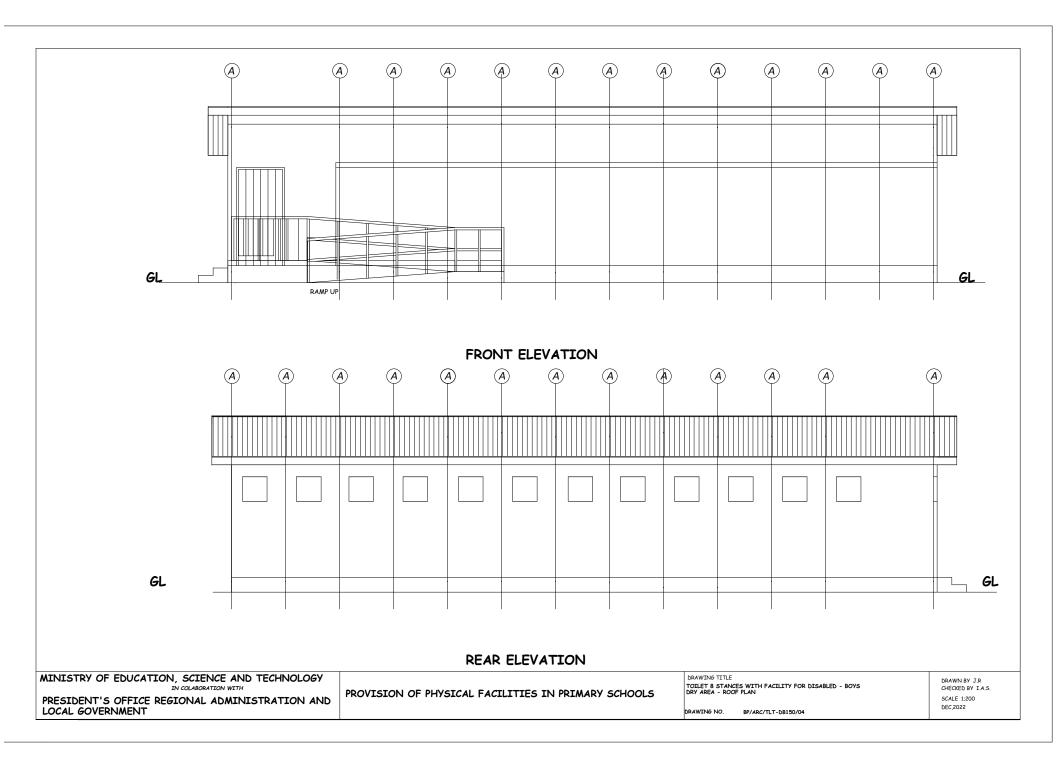


PRESIDENT'S OFFICE REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT

PROVISION OF PHYSICAL FACILITIES IN PRIMARY SCHOOLS

DRAWING NO. BP/ARC/TLT-DB 150/03 SCALE 1;200 DEC,2022

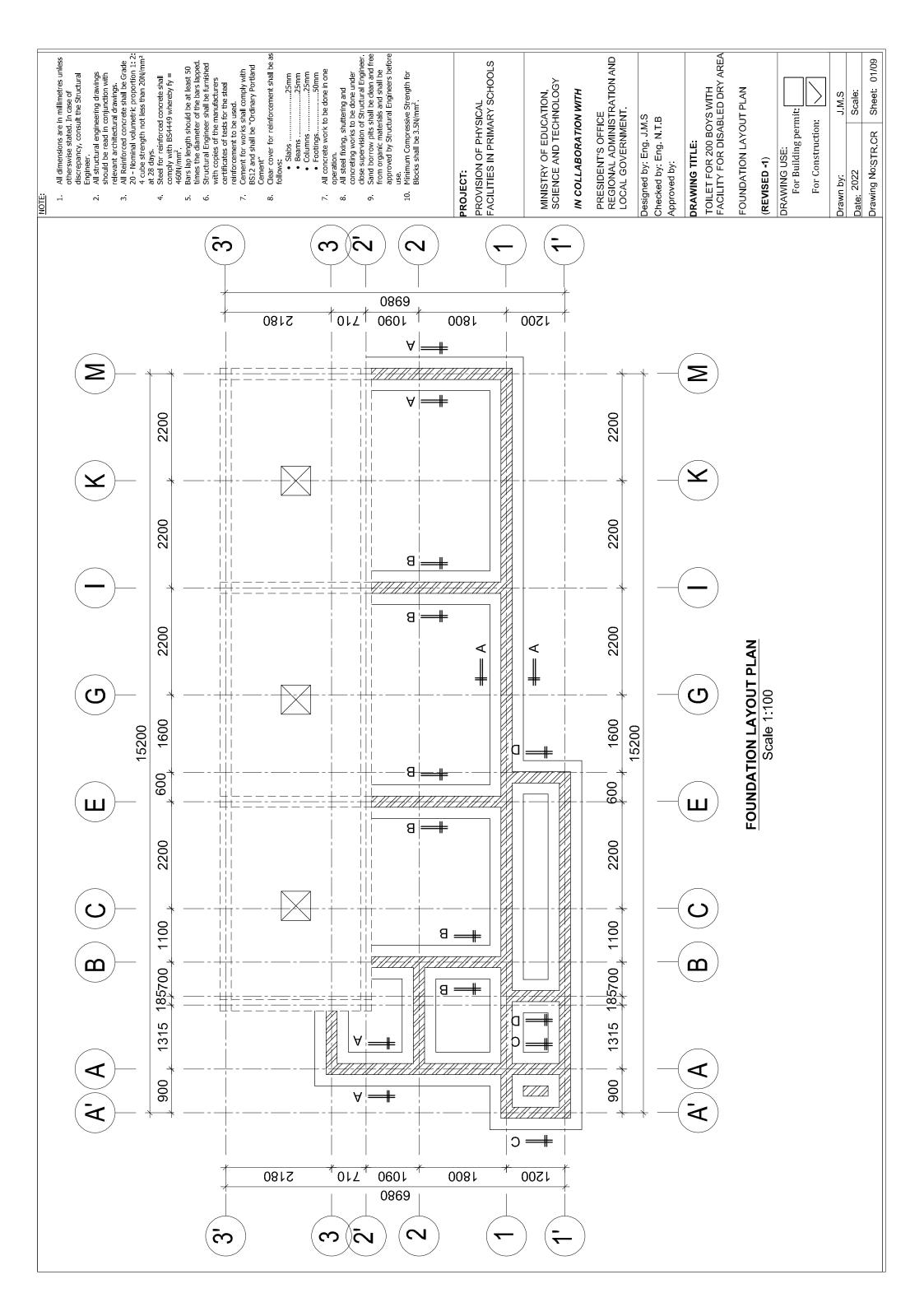


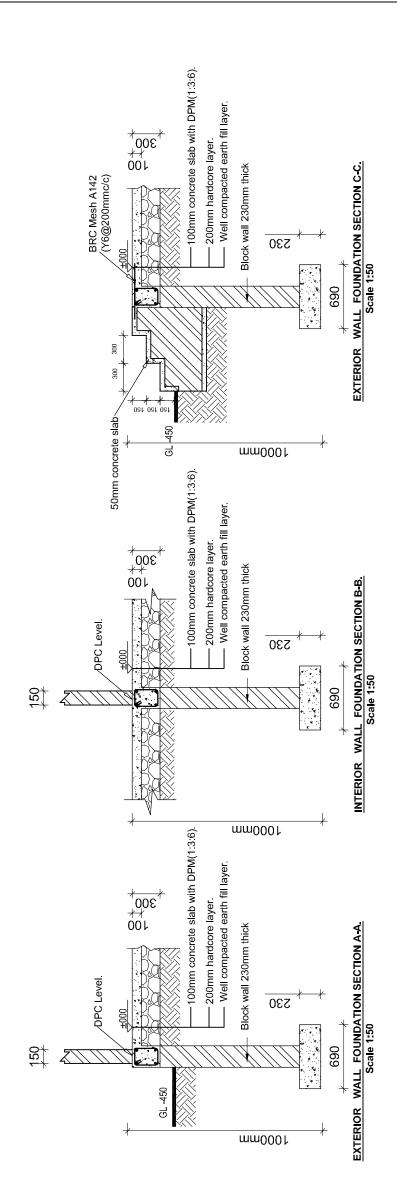


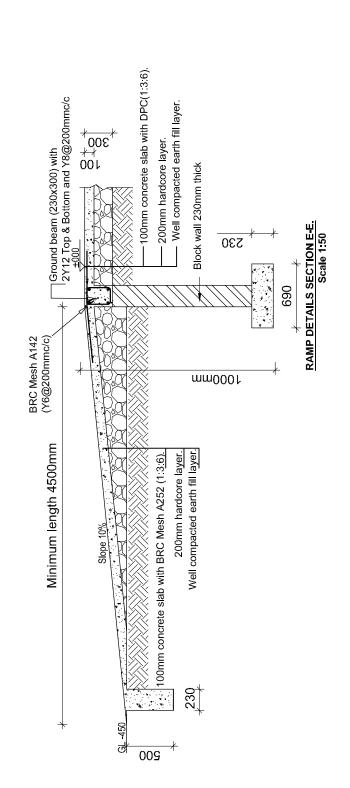
STRUCTURAL DRAWINGS

FOR

TOILET BLOCK - DRY AREA 30 BOYS (8 STANCES) WITH FACILITY FOR DISABLED







relevant architectural drawings.
All Reinforced concrete shall be Grade
20 - Nominal volumetric proportion 1: 2:
4 cube strength not less than 20N/mm²
at 28 days.
Steel for reinforced concrete shall
comply with BS4449 whereby fy =
460N/mm². Cement" Clear cover for reinforcement shall be as All dimensions are in millimetres unless otherswise stated. In case of discrepancy, consult the Structural times the diameter of the bars lapped.
Structural Engineer shall be furnished with copies of the manufacturers certificates of tests for the steel reinforcement to be used. Cement for works shall comply with BS12 and shall be "Ordinary Portland Bars lap length should be at least 50 All structural engineering drawings should be read in conjunction with 7 m 5 7 ω. 6

use. Minimum Compressive Strength for Blocks shall be 3.5N/mm². 10

PROJECT:

PROVISION OF PHYSICAL FACILITIES IN PRIMARY SCHOOLS

MINISTRY OF EDUCATION, SCIENCE AND TECHNOLOGY

IN COLLABORATION WITH

PRESIDENT'S OFFICE
REGIONAL ADMINISTRATION AND
LOCAL GOVERNMENT. Designed by: Eng. J.M.S.

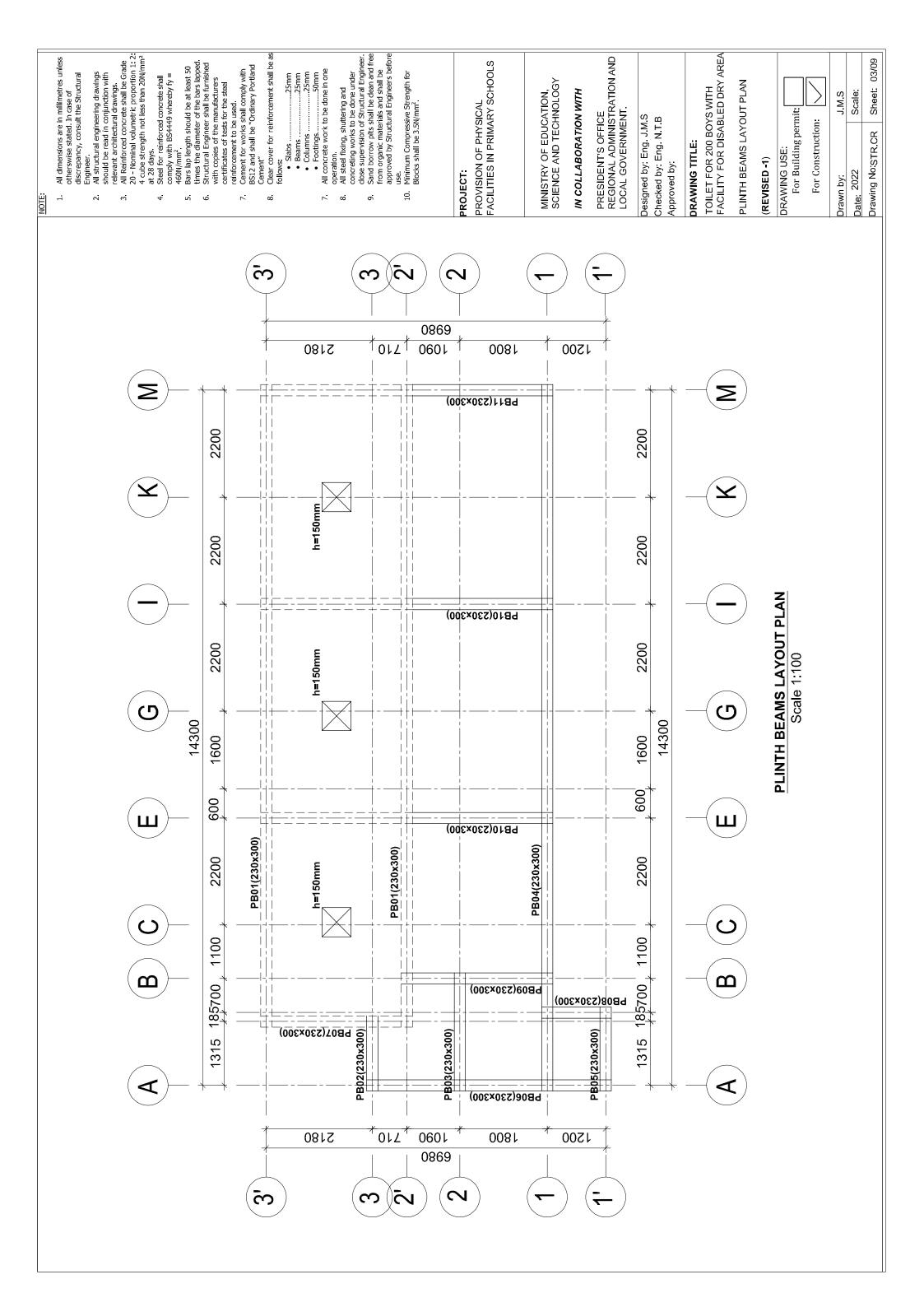
Checked by: Eng. N.T.B Approved by:

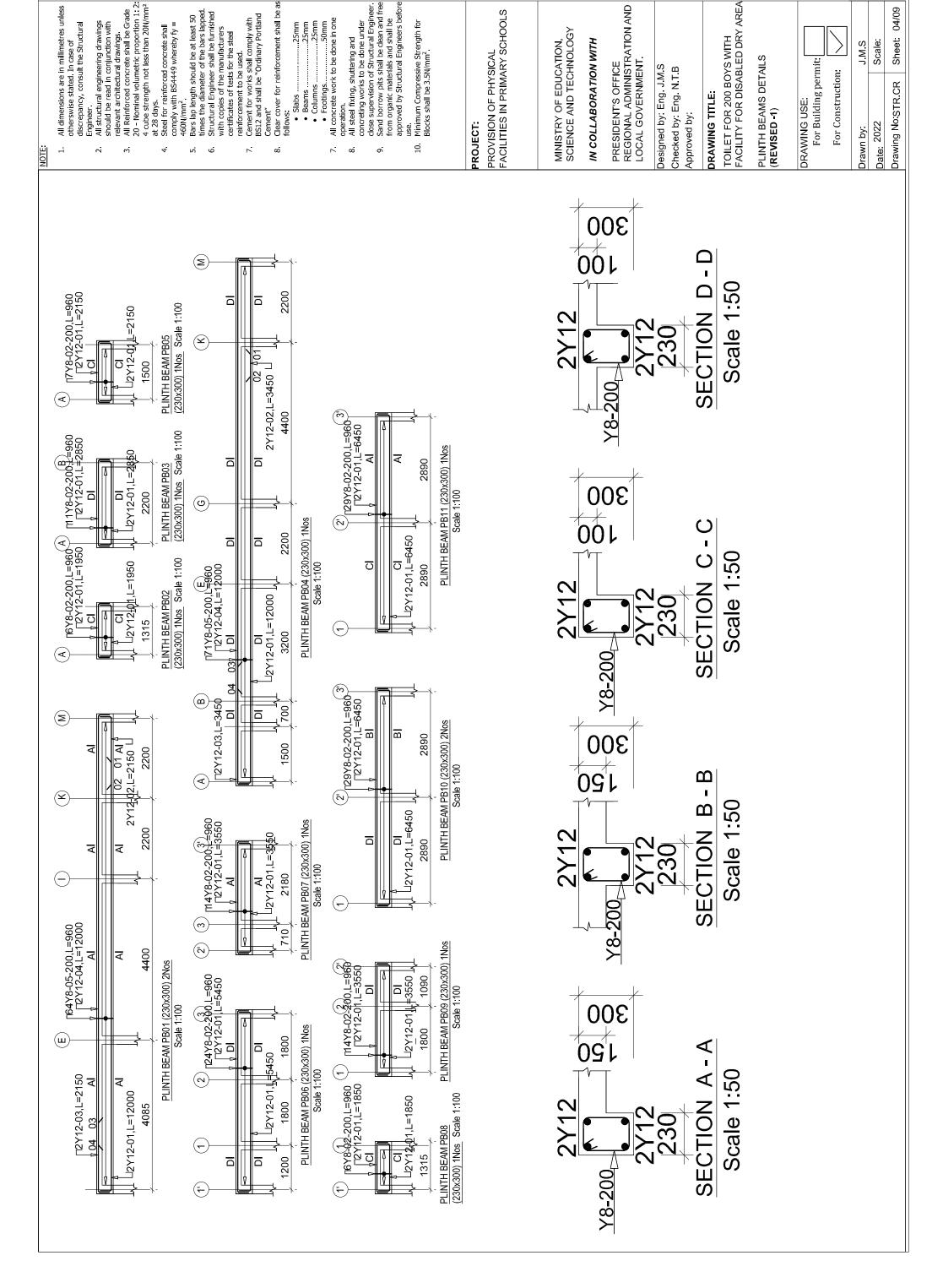
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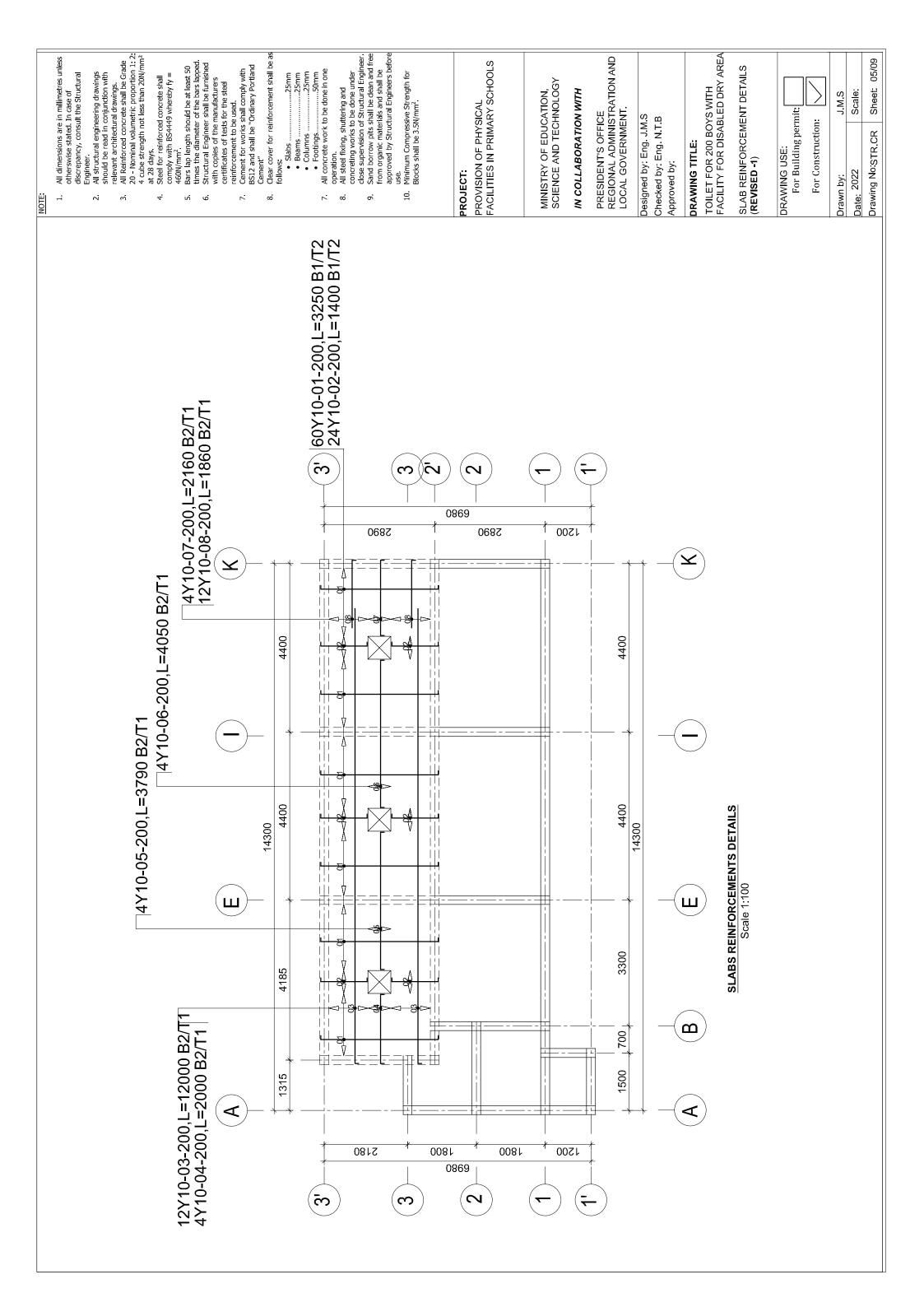
TOILET FOR 200 BOYS WITH FACILITY FOR DISABLED DRY AREA

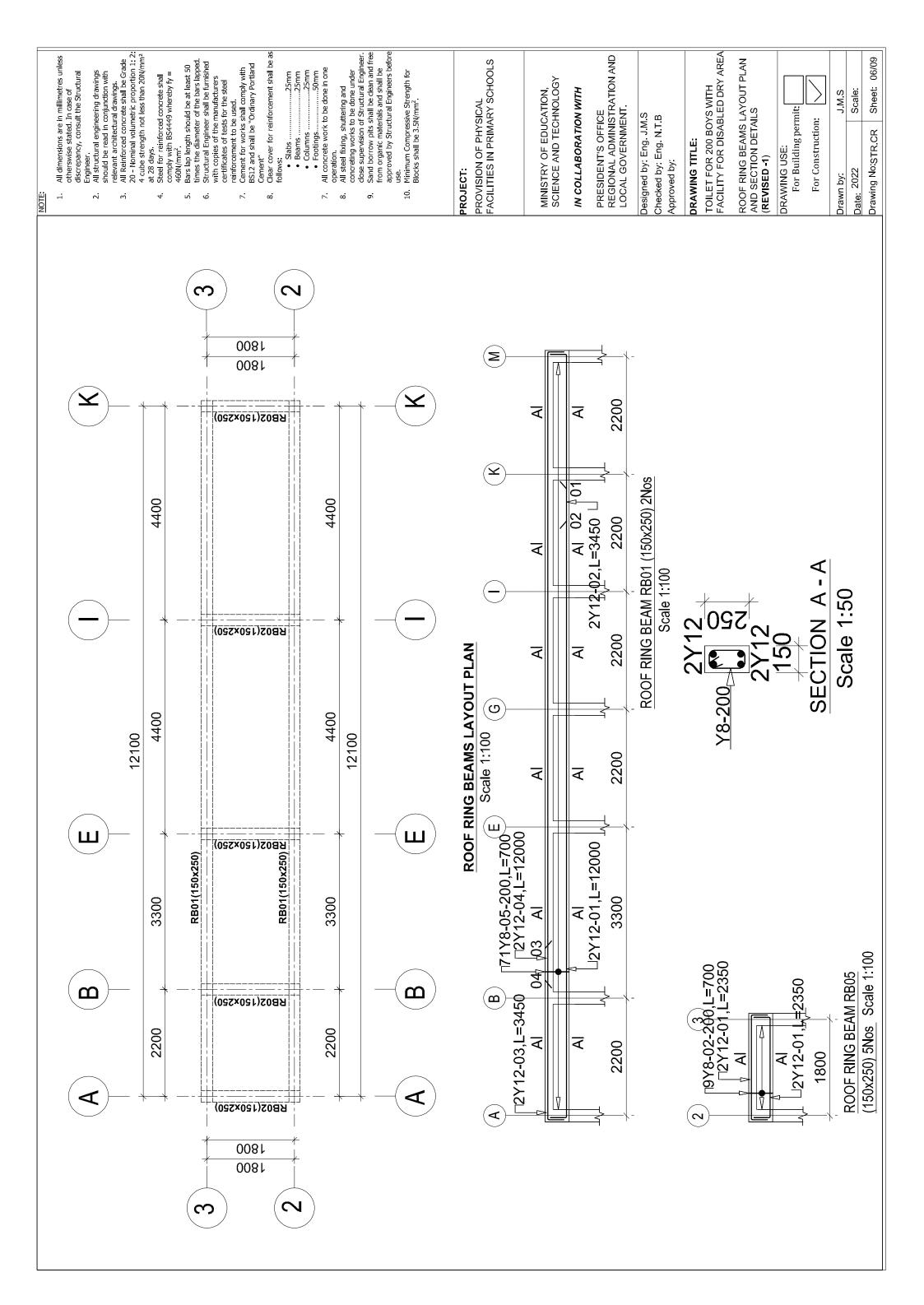
-OUNDATION DETAILS (REVISED -1) DRAWING USE: For Building permit: For Construction:

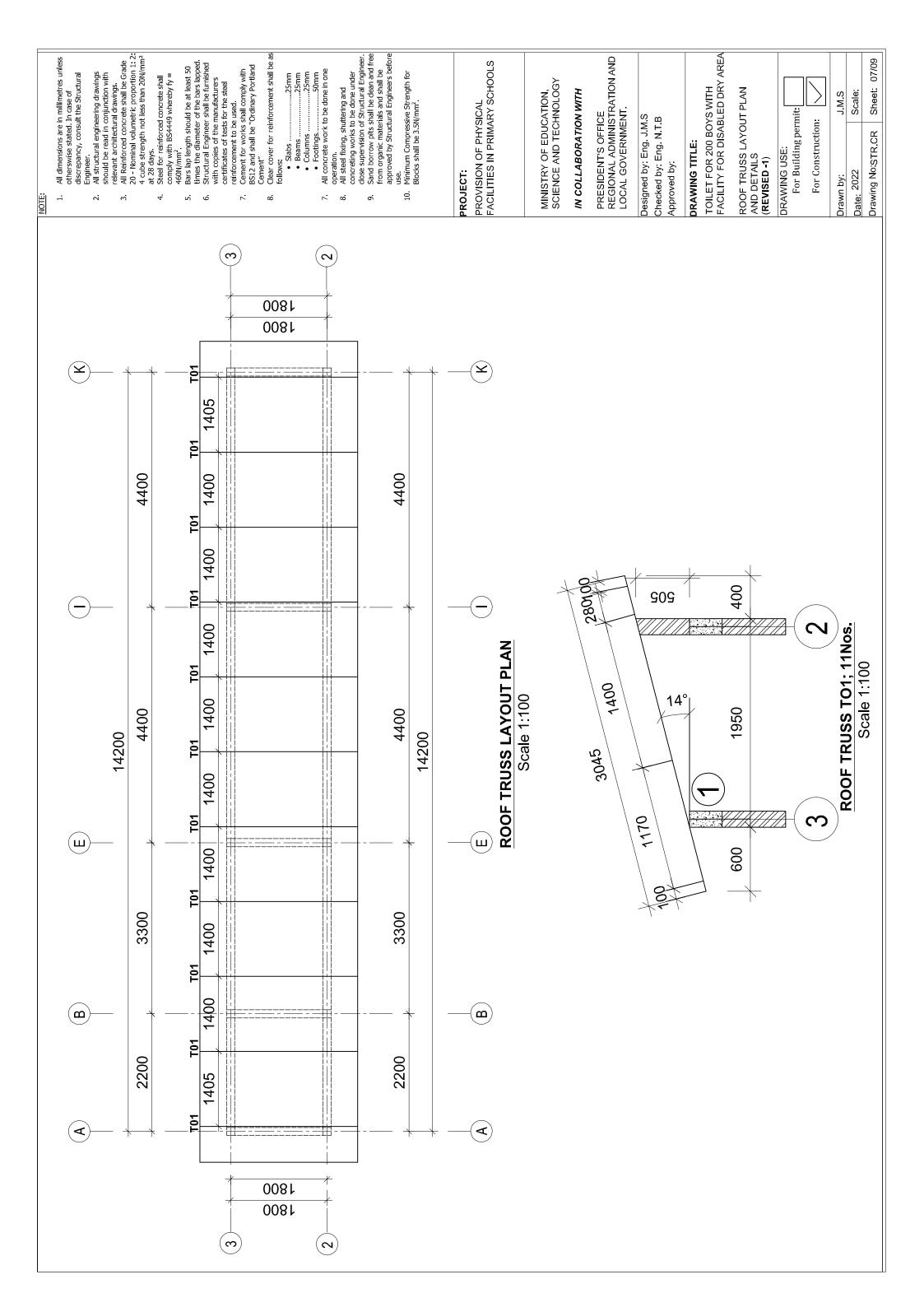
J.M.S	Scale:	Sheet: 02/09
Drawn by:	Date: 2022	Drawing No.STR.CR

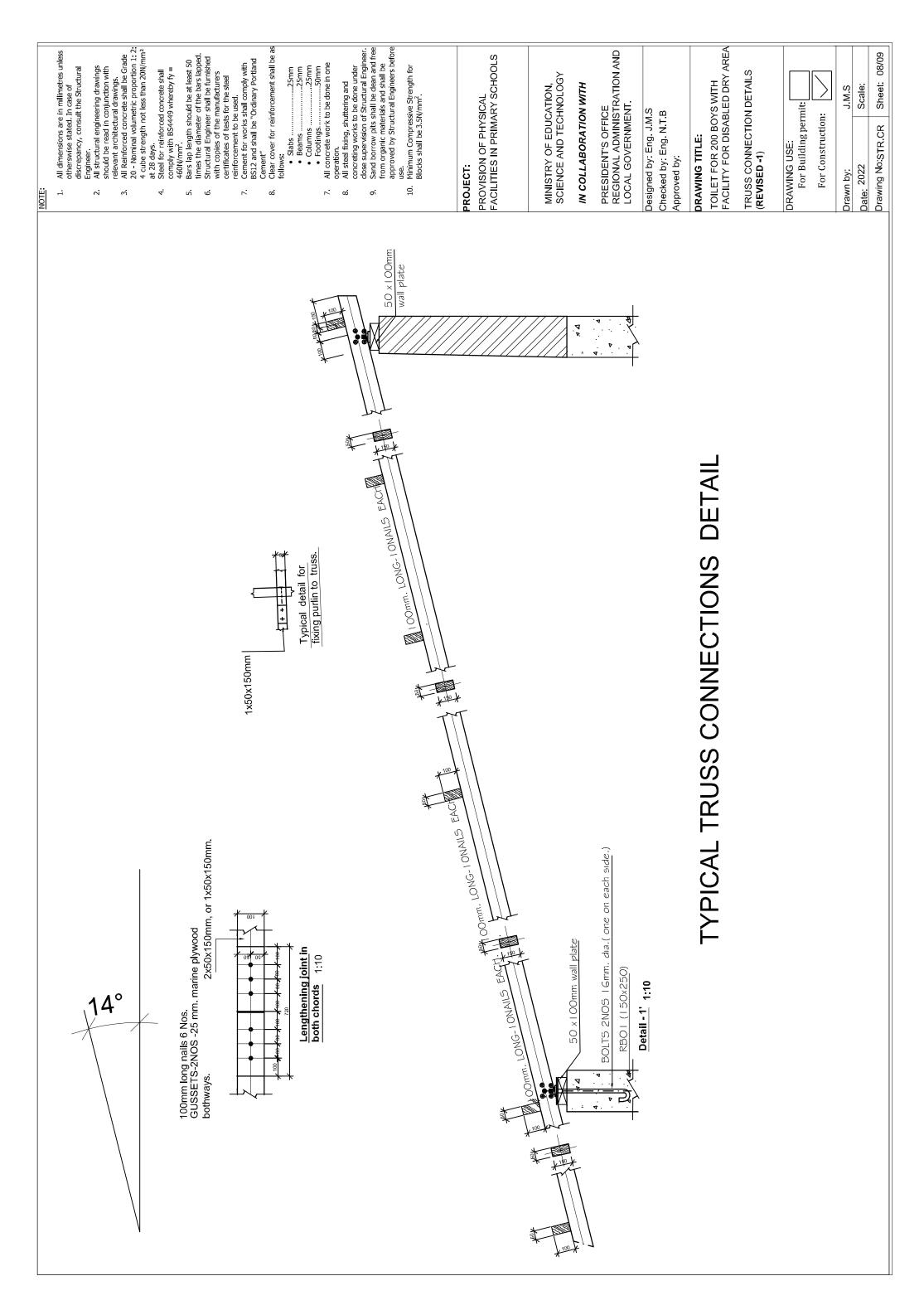












<u> </u>				Bar Bending Schedule	Schedul	v		
		-	PROVISION OF OILET FOR 200	PHYSICAL FACIL BOYS WITH FAC (PLINTH I	ITIES FOR PF ILITY FOR DIS BEAMS)	PROVISION OF PHYSICAL FACILITIES FOR PRIMARY SCHOOLS - TOILET FOR 200 BOYS WITH FACILITY FOR DISABLED - DRY AREA (PLINTH BEAMS)		
MEMBER TYPE	NUMBER OF MEMBER.	MARK No.	BAR TYPE AND SIZE (mm)	LENGTH OF EACH BAR (mm)	NO. OF BARS	TOTAL LENGTH (m)	SKETCH OF BAR DIMENSIONS IN (mm)	NOTE
PLINTH BEAM PB01	2	10	Y12	12000	4	48	11750	
PLINTH BEAM PB01	2	02	Y12	2150	4	9.8	1092	
PLINTH BEAM PB01	2	03	Y12	2150	4	9.8	000000000000000000000000000000000000000	
PLINTH BEAM PB01	2	40	Y12	12000	4	48	1,750	
PLINTH BEAM PB01	2	05	Y8	096	128	122.88	109Z 109Z 109Z 109Z 109Z 109Z 109Z 109Z	
PLINTH BEAM PB02	-	10	Y12	1950	4	7.8	1450	
PLINTH BEAM PB02	-	02	У8	096	9	5.76	109X 109X 109X 109X 109X 109X 109X 109X	
PLINTH BEAM PB03	-	10	Y12	2850	4	11.4	+ 0921	
PLINTH BEAM PB03	-	02	У8	096	1	10.56	1 SO 20	
PLINTH BEAM PB04	-	01	Y12	12000	2	24	171	
PLINTH BEAM PB04	-	05	Y12	3450	2	6:9	1050	
PLINTH BEAM PB04	-	03	Y12	3450	2	6.9	1055	
PLINTH BEAM PB04	-	04	Y12	12000	2	24	1092	
PLINTH BEAM PB04	-	05	Y8	096	17	68.16	1 SO 200 SO 300	
PLINTH BEAM PB05	-	01	Y12	2150	4	8.6	1092	
PLINTH BEAM PB05	-	02	Y8	096	42	40.32	109×1	
PLINTH BEAM PB06	-	01	Y12	5450	4	21.8	4950	
PLINTH BEAM PB06	-	02	Х8	096	24	23.04	1 SS 20 SS 1 SS 1 SS 1 SS 1 SS 1 SS 1 SS	
PLINTH BEAM PB07	-	10	Y12	3550	4	14.2	10921	
PLINTH BEAM PB07	-	02	Y8	096	41	13.44	1092 000 000 000 000 000 000 000 000 000	
PLINTH BEAM PB08	-	10	Y12	1850	4	7.4	1092	
PLINTH BEAM PB08	-	02	Х8	096	9	5.76	109X 2002 1003X 1003X	
PLINTH BEAM PB09	-	10	Y12	3550	4	14.2	1092	
PLINTH BEAM PB09	-	02	У8	096	41	13.44	1092 t	

		LON																							
		SKETCH OF BAR DIMENSIONS IN (mm)	1 200	109X 000 081	1092	180 180 180	+ 092	50 50 180 180	1025	50 SO	3050	1500	11900	1000	3290	33520	1000	1760	11800	3250	3250	11800	20 00 100 100 100 100 100 100 100 100 10	1000	1 500 D
0	PROVISION OF PHYSICAL FACILITIES FOR PRIMARY SCHOOLS- TOILET FOR 200 BOYS WITH FACILITY FOR DISABLED - DRY AREA (PLINTH BEAMS, SLAB AND ROOF RING BEAMS)	TOTAL LENGTH (m)	25.8	27.84	14.2	23.04	14.2	13.44	25.8	27.84	390	67.2	288	16	30.32	32.4	17.28	44.62	48	13.8	13.8	48	99.4	47	28
Schedule	ITIES FOR PR ILITY FOR DIS ND ROOF RIN	NO. OF BARS	4	29	4	24	4	14	4	29	120	48	24	∞	ω	ω	80	24	4	4	4	4	142	20	40
Bar Bending	PHYSICAL FACIL BOYS WITH FAC I BEAMS, SLAB A	LENGTH OF EACH BAR (mm)	6450	096	3550	096	3550	096	6450	096	3250	1400	12000	2000	3790	4050	2160	1860	12000	3450	3450	12000	200	2350	700
	PROVISION OF OILET FOR 200 (PLINTH	BAR TYPE AND SIZE (mm)	Y12	γ8	Y12	γ8	Y12	Y8	Y12	Y8	Y10	Y10	Y10	Y10	Y10	Y10	Y10	Y10	Y12	Y12	Y12	Y12	/8	Y12	γ8
		MARK No.	10	02	10	02	10	02	01	02	10	02	03	40	05	90	20	80	01	02	03	40	05	10	02
		NUMBER OF MEMBER.	-	-	-	-	-	F	-	1	-	-	~	-	-	-	-	F	2	2	2	2	2	S	5
	Page 2/2	MEMBER TYPE	PLINTH BEAM PB10	PLINTH BEAM PB10	PLINTH BEAM PB11	PLINTH BEAM PB11	PLINTH BEAM PB12	PUNTH BEAM PB12	PLINTH BEAM PB13	PLINTH BEAM PB13	SLAB	SLAB	SLAB	SLAB	SLAB	SLAB	SLAB	SLAB	ROOF RING BEAM RB01	ROOF RING BEAM RB02	ROOF RING BEAM RB02				

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NOTE

- All dimensions are in millimetres unless otherswise stated. In case of discrepancy, consult the Structural Engineer.

 All structural engineering drawings should be read in conjunction with relevant architectural drawings.

 All Reinforced concrete shall be Grade 20 Nominal volumetric proportion 1: 2: 4 cube strength not less than 20N/mm² at 28 days.

 Steel for reinforced concrete shall comply with BS4449 whereby fy = 460N/mm².

 Bars lap length should be at least 50 times the diameter of the bars lapped. Structural Engineer shall be furnished with copies of the manufacturers certificates of tests for the steel reinforcement to be used.

 Cement for works shall comply with BS12 and shall be "Ordinary Portland Cement". 2 m
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PROJECT:

PROVISION OF PHYSICAL FACILITIES IN PRIMARY SCHOOLS

MINISTRY OF EDUCATION, SCIENCE AND TECHNOLOGY

IN COLLABORATION WITH

PRESIDENT'S OFFICE REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT.

Designed by: Eng. J.M.S. Checked by: Eng. N.T.B Approved by:

DRAWING TITLE:

TOILET FOR 150 BOYS WITH FACILITY FOR DISABLED DRY AREA

BAR BENGING SCHEDULES FOR PLINTH AND ROOF RING BEAMS (REVISED -1)

DRAWING USE:	For Building permit	For Construction:

Drawn by:	J.M.S	
Date: 2022	Scale:	
Drawing No.STR.CR	Sheet: 09/09	60/6

Page 1/2 -	PROVISION OF PHYSICAL FACILITIES FOR PRIMARY SCHOOLS - TOILET FOR 200 BOYS WITH FACILITY FOR DISABLED - DRY AREA (PLINTH BEAMS)								
MEMBER TYPE	NUMBER OF MEMBER.	No.	BAR TYPE AND SIZE (mm)	LENGTH OF EACH BAR (mm)	NO. OF BARS	TOTAL LENGTH (m)	SKETCH OF BAR DIMENSIONS IN (mm)	NOTE	
PLINTH BEAM PB01	2	01	Y12	12000	4	48	11750		
PLINTH BEAM PB01	2	02	Y12	2150	4	8.6	1900		
PLINTH BEAM PB01	2	03	Y12	2150	4	8.6	1900	-	
PLINTH BEAM PB01	2	04	Y12	12000	4	48	11750		
PLINTH BEAM PB01	2	05	Y8	960	128	122.88	50 50 90 180		
PLINTH BEAM PB02	1	01	Y12	1950	4	7.8	1450		
PLINTH BEAM PB02	1	02	Y8	960	6	5.76	50 50 00 180		
PLINTH BEAM PB03	1	01	Y12	2850	4	11.4	2350		
PLINTH BEAM PB03	1	02	Y8	960	11	10.56	50 50 00 180		
PLINTH BEAM PB04	1	01	Y12	12000	2	24	11750	-	
PLINTH BEAM PB04	1	02	Y12	3450	2	6.9	1050		
PLINTH BEAM PB04	1	03	Y12	3450	2	6.9	1050	•	
PLINTH BEAM PB04	1	04	Y12	12000	2	24	11750		
PLINTH BEAM PB04	1	05	Y8	960	71	68.16	50 50 00 180		
PLINTH BEAM PB05	1	01	Y12	2150	4	8.6	1650		
PLINTH BEAM PB05	1	02	Y8	960	42	40.32	50 50 92 180		
PLINTH BEAM PB06	1	01	Y12	5450	4	21.8	4950		
PLINTH BEAM PB06	1	02	Y8	960	24	23.04	50 50 82 180		
PLINTH BEAM PB07	1	01	Y12	3550	4	14.2	3050		
PLINTH BEAM PB07	1	02	Y8	960	14	13.44	50 50 80 180		
PLINTH BEAM PB08	1	01	Y12	1850	4	7.4	1350		
PLINTH BEAM PB08	1	02	Y8	960	6	5.76	50 50 92 180		
PLINTH BEAM PB09	1	01	Y12	3550	4	14.2	3050		
PLINTH BEAM PB09	1	02	Y8	960	14	13.44	50 50 20 180		

Page 2/2	PROVISION OF PHYSICAL FACILITIES FOR PRIMARY SCHOOLS - TOILET FOR 200 BOYS WITH FACILITY FOR DISABLED - DRY AREA (PLINTH BEAMS, SLAB AND ROOF RING BEAMS)								
MEMBER TYPE	NUMBER OF MEMBER.	MARK No.	BAR TYPE AND SIZE (mm)	LENGTH OF EACH BAR (mm)	NO. OF BARS	TOTAL LENGTH (m)	SKETCH OF BAR DIMENSIONS IN (mm)	NOTE	
PLINTH BEAM PB10	1	01	Y12	6450	4	25.8	1052	-	
PLINTH BEAM PB10	1	02	Y8	960	29	27.84	50 50 92 180		
PLINTH BEAM PB11	1	01	Y12	3550	4	14.2	3050	-	
PLINTH BEAM PB11	1	02	Y8	960	24	23.04	50 50 92 180		
PLINTH BEAM PB12	1	01	Y12	3550	4	14.2	5950	-	
PLINTH BEAM PB12	1	02	Y8	960	14	13.44	50 50 92 180		
PLINTH BEAM PB13	1	01	Y12	6450	4	25.8	12501	-	
PLINTH BEAM PB13	1	02	Y8	960	29	27.84	50 50 90 1180		
SLAB	1	01	Y10	3250	120	390	3050	-	
SLAB	1	02	Y10	1400	48	67.2	1200	-	
SLAB	1	03	Y10	12000	24	288	11900	 	
SLAB	1	04	Y10	2000	8	16	1800	-	
SLAB	1	05	Y10	3790	8	30.32	3590	-	
SLAB	1	06	Y10	4050	8	32.4	3950	-	
SLAB	1	07	Y10	2160	8	17.28	1960		
SLAB	1	08	Y10	1860	24	44.62	1760	-	
ROOF RING BEAM RB01	2	01	Y12	12000	4	48	11800	-	
ROOF RING BEAM RB01	2	02	Y12	3450	4	13.8	3250	-	
ROOF RING BEAM RB01	2	03	Y12	3450	4	13.8	3250	H	
ROOF RING BEAM RB01	2	04	Y12	12000	4	48	11800	-	
ROOF RING BEAM RB01	2	05	Y8	700	142	99.4	50 000		
ROOF RING BEAM RB02	5	01	Y12	2350	20	47	1950	-	
ROOF RING BEAM RB02	5	02	Y8	700	40	28	50 50 00 100		