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 150 Pupils Toilet Block (6 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.

NOVEMBER, 2022 (REVISED 1) PO-RALG

Schedule of Material

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
	MATERIALS				
A	**SUB-STRUCTURE -**PROVISIONAL				
1	**Strip Foundation - Grade 15 Plain**				
	Aggregate (3/4")	5	M^3		
	Sand	2	M^3		
	Cement-50kgs	18	Bags		
2	**Foundation Walls**				
	6" Cement & Sand block - Minimum Strength 3. 5 MP	285	No		
	Sand	3	M^3		
	Cement -50kgs	6	Bags		
3	**Moram, Hardcore & Site sterilization**				
	Moram ($4.5m^3$ lorry)	2	Trips		
	Hardcore ($4.5m^3$ lorry)	2	Trips		
	Sand	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	34	M^2		
	Cement -50kgs	18	Bags		
	Aggregates (1/2")	3	M^3		
	Sand	2	M^3		
	Reinforcement - 12mm diameter high tensile	11	PC'S		
	Reinforcement - 8mm diameter	9	PC'S		
	Binding Wire	4	Kg		
	A252 Mesh 200 x200x6.16kg/m2	1	PC'S		
	Timber 1" X 10 " (3.6m long)	7	PC'S		
	Timber 2" X 2"	3	PC'S		
	Nails-4"	3	Kgs		
	Nails-3"	3	Kgs		
	Supporting props	0	PC'S		
	SUB-TOTAL SUBSTRUCTURE				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
B.	**SUPERSTRUCTURE**				
1	**Walls & Ring beam & Columns**				
	6" Cement & Sand block - Minimum Strength	720	No		
	DPC 25m long x 1m wide)	9	M		
	Sand	5	M^3		
	Cement-50kgs (42.5)	13	Bags		
	Aggregates (1/2")	1	M^3		
	Reinforcement - 12mm diameter high tensile	6	PC'S		
	Reinforcement - 8mm diameter	4	PC'S		
	Binding Wire	3	kg		
	A252 Mesh 200 x200x6.16kg	0	PC'S		
	Timber 1" X 10" to Sides (3.6m long)	5	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	6	PC'S		
	Timber 2" X 4" Wall plate,Rafter	9	PC'S		
	Fascia board 1" X 8"	5	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	10	pcs		
	Roofing Nails	1	Kgs		
	TO COLLECTION			**C/F**	

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
	ROOF STRUCTURE & COVERING CONT…			**B/F**	
3	**Gutter's**				
	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 90'	1	PC'S		
	PVC bend 45'	1	PC'S		
	Gutter support bracket	4	PC'S		
	Gutter Clamp 3''	1	PC'S		
	Connector	1	PC'S		
	Connector outer	1	PC'S		
	Corner Inner	1	PC'S		
	SUB-TOTAL ROOF STRUCTURE & COVERING				
D.	**DOOR**				
1	**40mm thick hardwood (mninga) or equal and aproved paneled door shutter**				
	920 x 2100mm high	1	PC'S		
	720 x 2100mm high	6	PC'S		
2	**45 X 145mm Frames (hardwood),Varnish, Glass & Buralar bar**				
	1000 x 2100 mm high frame	1	PC'S		
	800 x 2100 mm high frame	6	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				
	1000 x 1500mm high	1	No		
3	**IronMongeries - ref Union**				
	Barrel bolt with pad lock	7	No		
	Flush bolt	7	No		
	Brass hinges - 100mm	10.5	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	1	M^3		
	Cement-50kgs (42.5)	4	Bags		
2	**Wall Finishing**				
	Sand	3	M^3		
	Cement-50kgs	8	Bags		
	Wall Puty	5	Bags		
	SUB-TOTAL FOR FINISHING				
F.	**PAINTING & DECORATION**				
	Emulsion Paint - 20 LTRS	2	buckets		
	Weather guard Paint - 20 LTRS	1	buckets		
	Washable paint -20 LTRS	1	buckets		
	Primer paint -5 LTRS	1	buckets		
	Solvent - 5LTRS	1	TIN		
	Brush 3"	2	Pcs		
	Roller	2	Pcs		
	Gloss paint-4LTR	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	15		

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	3		
	PPR/IPS socket 11/2"(50Ø)	No	6		
	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				
	Bib cork pex/martex 1/2" PN 16	No	15		
	Gate valve pex/martex 3/4" PN 16	No	10		
	Gate valve pex/martex 1" PN 16	No	1		
	Ball valve 11/4"	No	1		
H	**WATER STORAGE TANK**				
	1,000litres **TANK**	No	2		
	Tank connector 1"	No	6		
	Tangit glue 1000g	kg	1		
	Clamp 3"	4	PC'S		
	SUB-TOTAL FOR PLUMBING & SANITARY INSTALLATION-				
	SUB-TOTAL FOR PLUMBING & SANITARY INSTALLATION-				
H.	**TANK BASE**				
	6" Cement & Sand block - Minimum Strength 3. 5 MPa	20	No		
	Cement-50kgs (42.5)	2	Bags		
	Aggregates (1/2")	1	M3		
	Sand	1	M4		
	TOTAL FOR TANK BASE				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
	SOAK AWAY PIT				
	MATERIALS				
1	**Strip Foundation - Grade 15 Plain**				
	Aggregate (3/4")	3	M^3		
	Sand	2	M^3		
	Cement-50kgs	15	Bags		
2	**230mm thick Walls**				
	6" Cement & Sand block - Minimum Strength 3. 5	1,400	No		
	Sand	3	M^3		
	Cement -50kgs	23	Bags		
	Hardcore 230mm thick (4.5m^3 lorry)	2	Trips		
4	**150mm thick Suspended Concrete slab & ground beam- 20 grade**				
	Cement -50kgs	42	Bags		
	Aggregates (1/2")	5	M^3		
	Sand	3	M^3		
	Reinforcement - 12mm diameter high tensile	12	PC'S		
	Reinforcement - 8mm diameter high tensile	11	PC'S		
	Reinforcement - 10mm diameter high tensile	50	PC'S		
	Binding Wire - 1kg	7	Kgs		
	Timber 1" X 10 " (3.6m long)	9	PC'S		
	Marine board	7	PC'S		
	Timber 2" X 2"	8	PC'S		
	Supporting props	11	PC'S		
	Nails-4"	6	Kgs		
	Nails-3"	6	Kgs		
	Pre Cast concrete chamber 600 x 600mm	3	PCS		
	TOTAL SOAK AWAY PIT				
L	**Steel handrails to ramp**				
	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		
	SUB-TOTAL FOR HANDRAILS				

	SUMMARY	**AMOUNT TZS**
	6no stances toilets block Boys Block	
A.	SUB-STRUCTURE -PROVISIONAL	
B.	SUPERSTRUCTURE	
C.	ROOF STRUCTURE & COVERING	
D	DOOR	
E	FINISHING	
F	PAINTING & DECORATION	
G	PLUMBING AND INSTALLATION	
H	TANK BASE	
J	SOAK AWAY PIT	
L	HANDRAILS TO RAMP	
	TOTAL BUILDING MATERIALS CARRIED TO GENERAL SUMMARY	
	ADD:	
	LABOUR COST CARRIED TO GENERAL SUMMARY : (Improve and Fill the respective Labour form)	
	Note:	
	i Refer General Summary for: Preliminary, Transportation and Supervision Costs	
	ii. Preliminary cover the following item:	
	- Setting out working tools, Equipments, Temporary toilets, water for the works, Scaffolding,	
	- Power for the works, Security, store, Materials test, levelling, holdings and removal of rubbish.	
	iii. Supervision cost depend on guideline of the specific project	

THE UNITED REPUBLIC OF TANZANIA

MINISTRY OF EDUCATION SCIENCE AND TECHNOLOGY

IN COLLABORATIONS WITH

PRESIDENT'S OFFICE, REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT

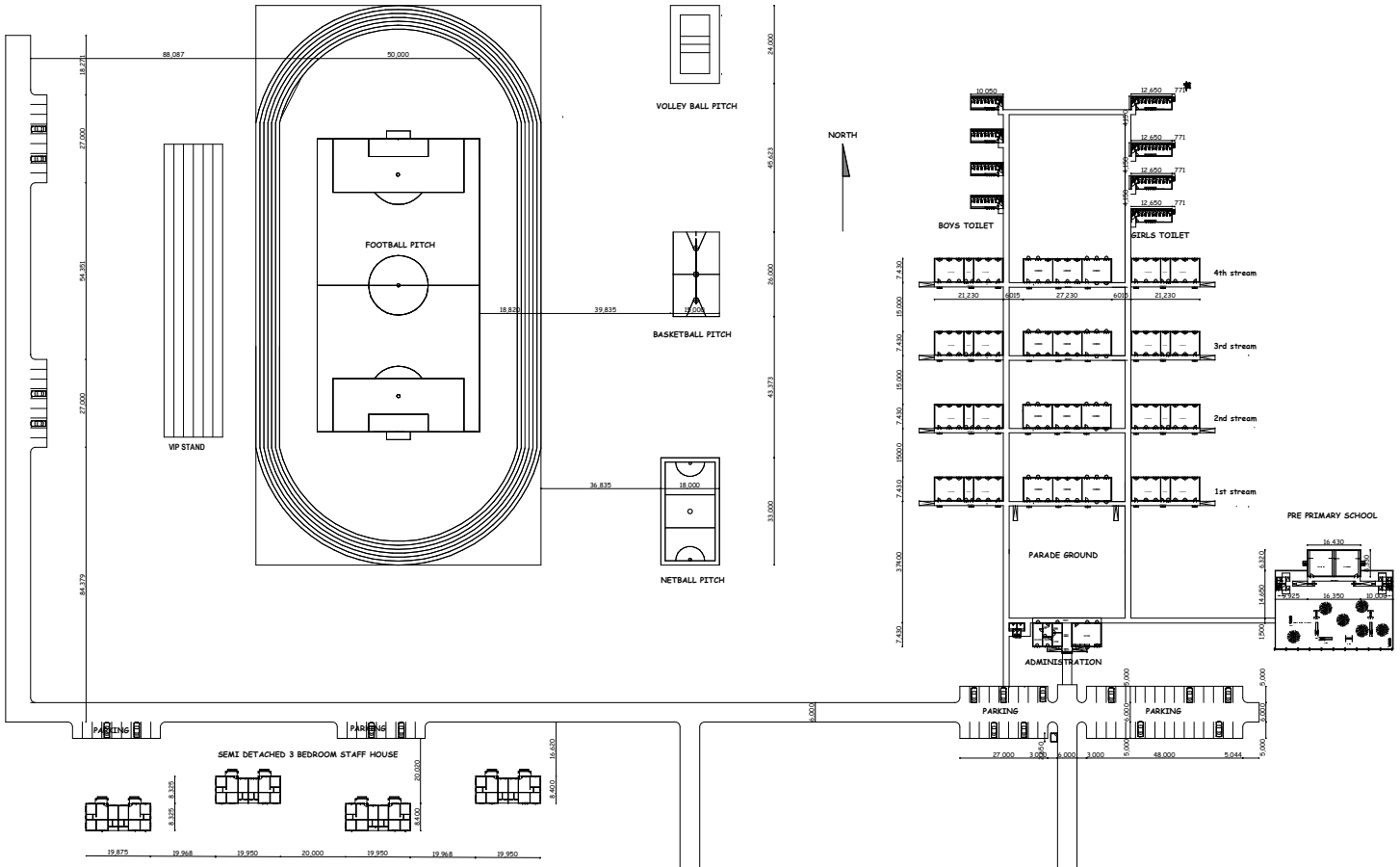
PROVISION OF PHYSICAL FACILITIES IN PRIMARY SCHOOLS

Ministry of Education, Science and Technology
Government City-Mtumba,
Afya Street,
P.O. Box 10,
40479 DODOMA

President's Office, Regional Administration
and Local Government.
Government City-Mtumba,
TAMISEMI Street,
P.O. Box 1923,
41185 DODOMA

JANUARY, 2023

ARCHITECTURAL DRAWINGS

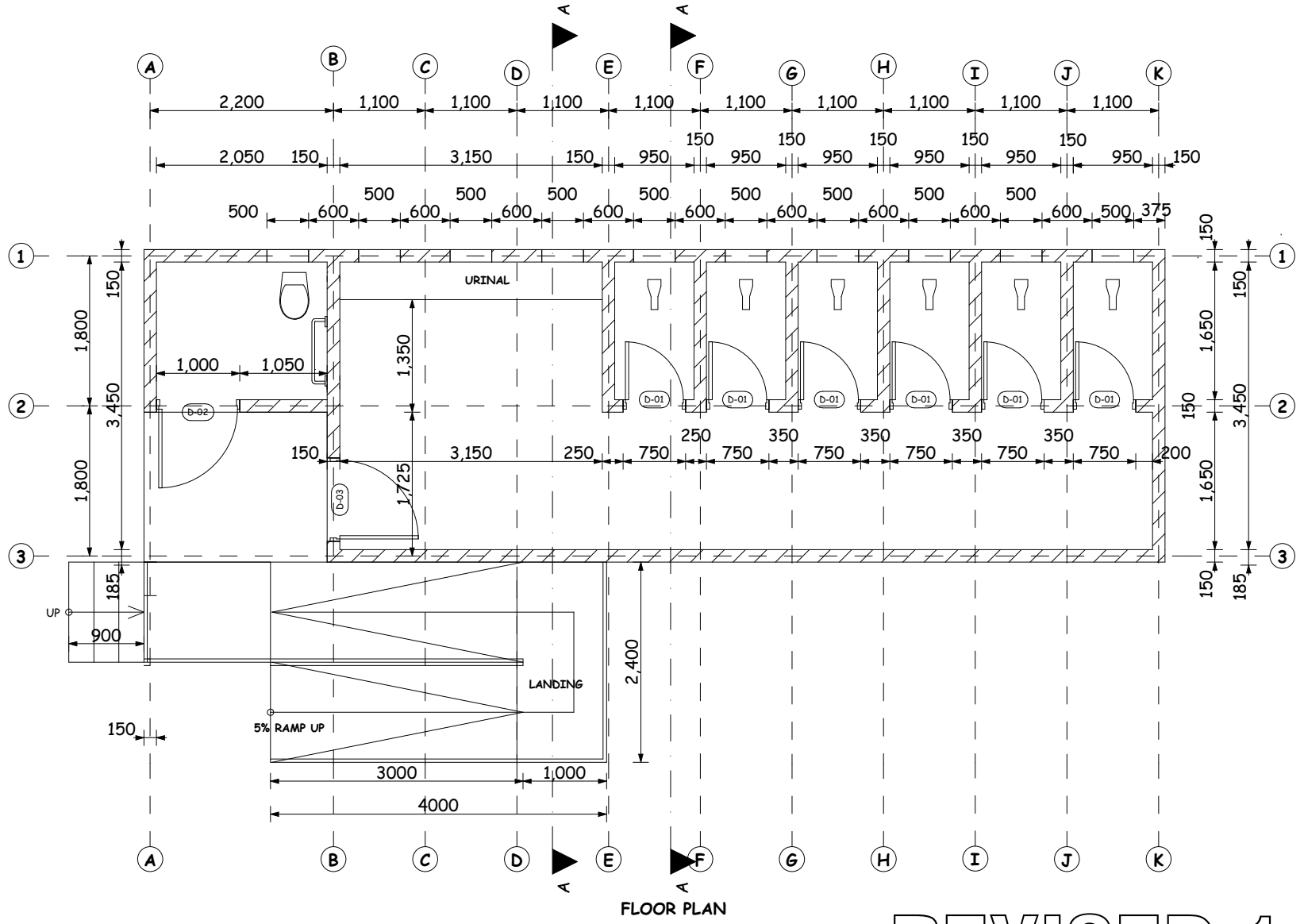


MINISTRY OF EDUCATION, SCIENCE AND TECHNOLOGY *IN COLABORATION WITH* PRESIDENT'S OFFICE REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT	PROVISIO OF PHYSICAL FACILITIES IN PRIMARY SCHOOLS PROPOSED STANDARD DESIGN FOR PRE PRIMARY SCHOOL CLASSROOMS	DRAWING TITLE: SAMPLE SITE PLAN DRAWING NO: ARC/PPS/01	Date	December, 2022
			Drawn by	IAS
			Checked by	AAL
			Scale	To fit

TOILET BLOCKS - DRY AREA
150 BOYS (6 STANCES) WITH FACILITY FOR DISABLED

WINDOW OPENING		
WINDOW TYPE	HEIGHT X WIDTH	QUANTITY
	750 X 500	10

DOOR SCHEDULE		
DOOR TYPE	HEIGHT X WIDTH	QUANTITY
D-01	2100 X 750	06
D-02	2100 X 1000	01
D-03	2100 X 900	01



FLOOR PLAN

REVISED 1

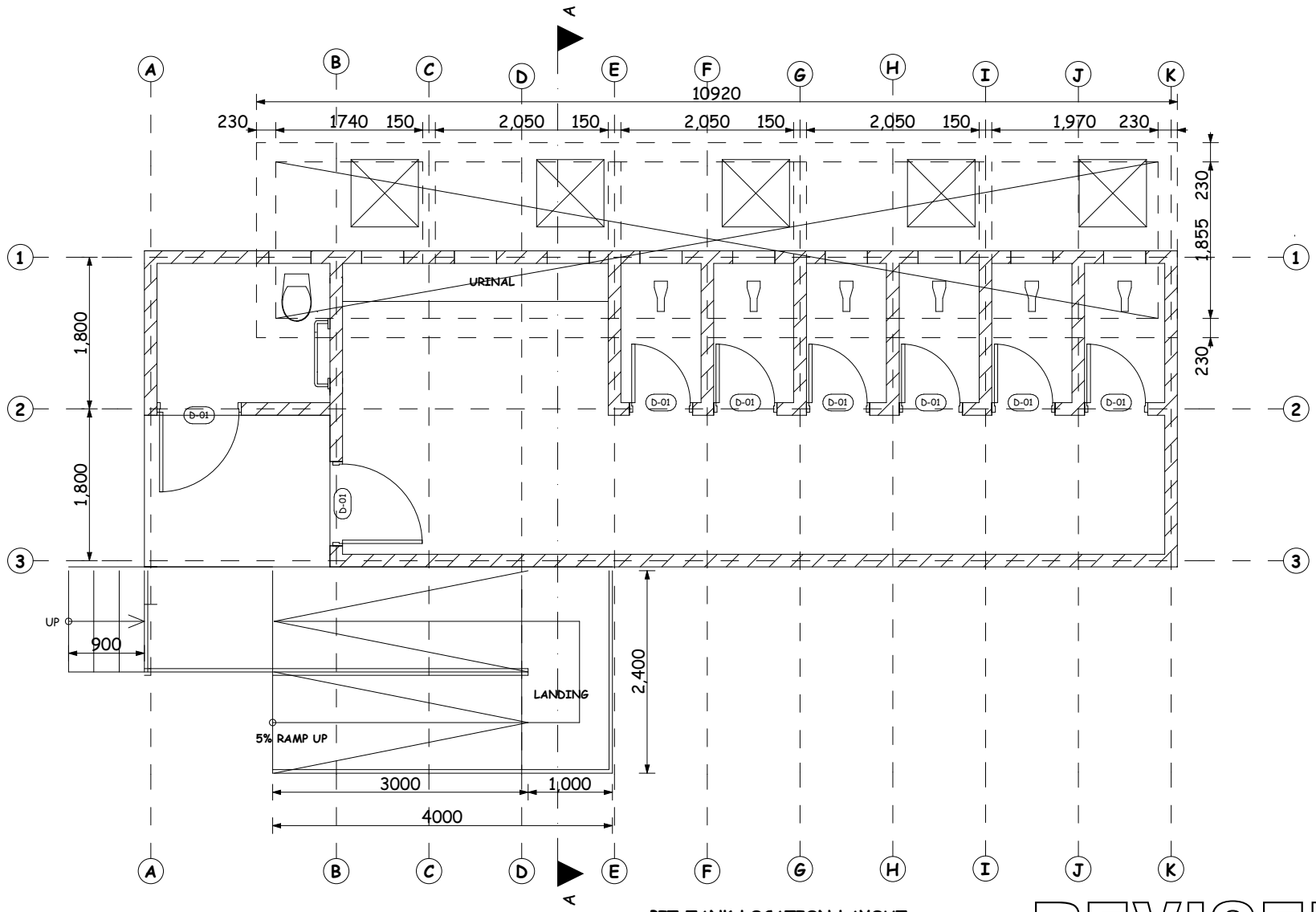
MINISTRY OF EDUCATION, SCIENCE AND TECHNOLOGY
IN COLABORATION WITH
PRESIDENT'S OFFICE REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT

PROVISION OF PHYSICAL FACILITIES IN PRIMARY SCHOOLS

DRAWING TITLE
TOILET FOR 150 BOYS WITH FACILITY FOR DISABLED
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

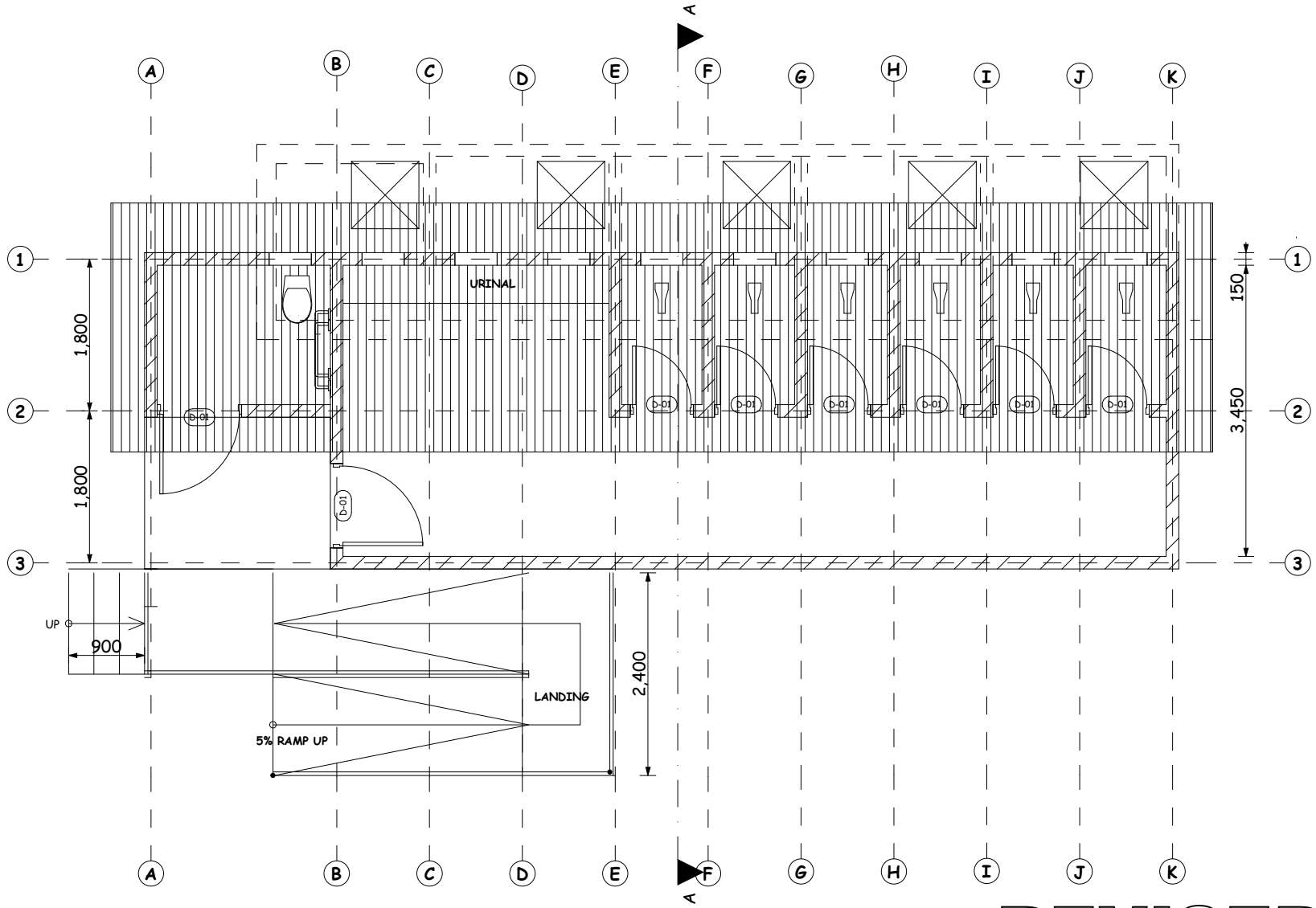


FLOOR PLAN

PIT TANK LOCATION LAYOUT

REVISED 1

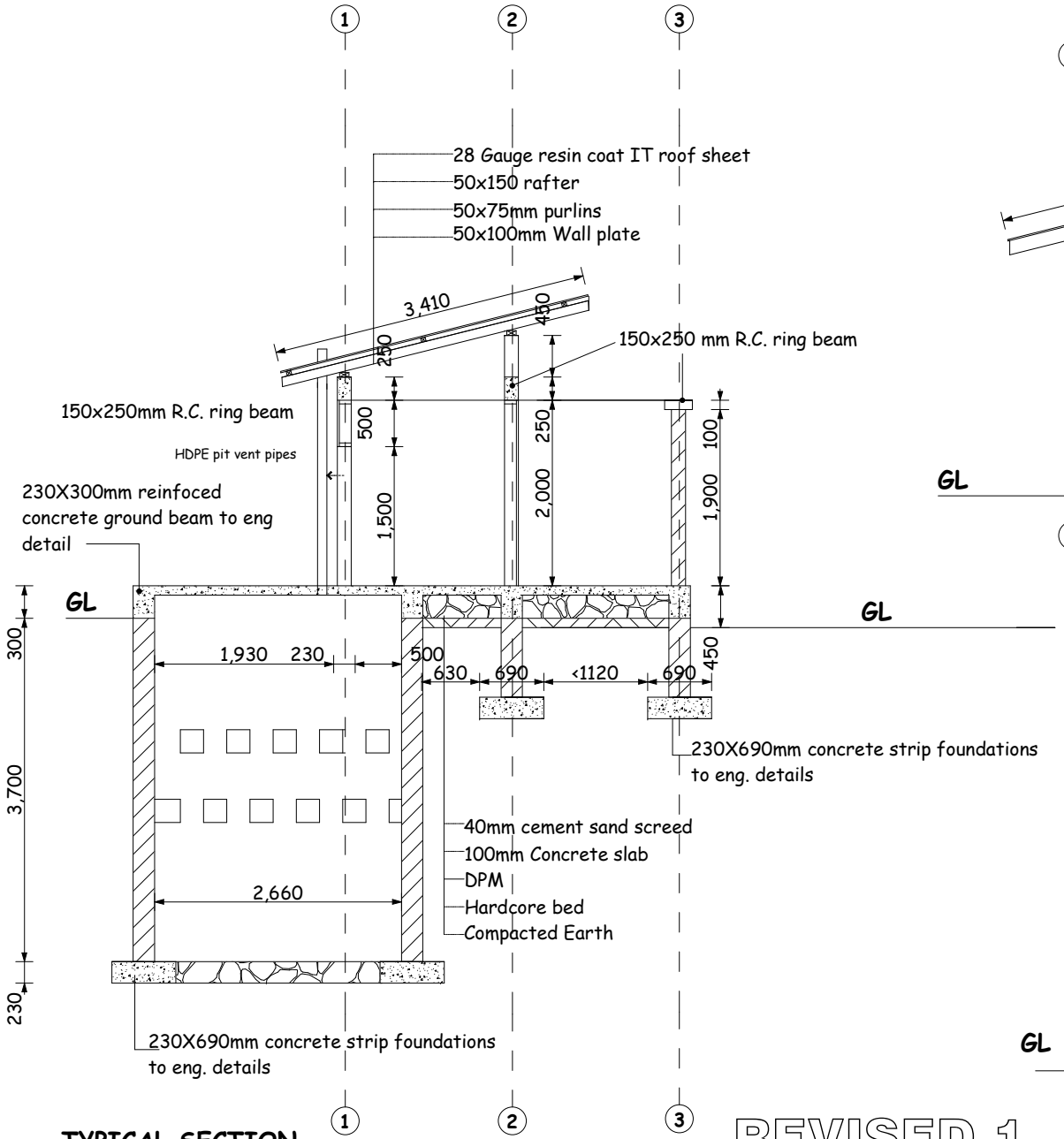
MINISTRY OF EDUCATION, SCIENCE AND TECHNOLOGY *IN COLABORATION WITH* PRESIDENT'S OFFICE REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT	PROVISION OF PHYSICAL FACILITIES IN PRIMARY SCHOOLS	DRAWING TITLE TOILET FOR 150 BOYS WITH FACILITY FOR DISABLED DRY AREA - PIT TANK LOCATION DRAWING NO. BP/ARC/TLT-DB150/02
		DRAWN BY J.R CHECKED BY I.A.S. SCALE 1:200 DEC,2022



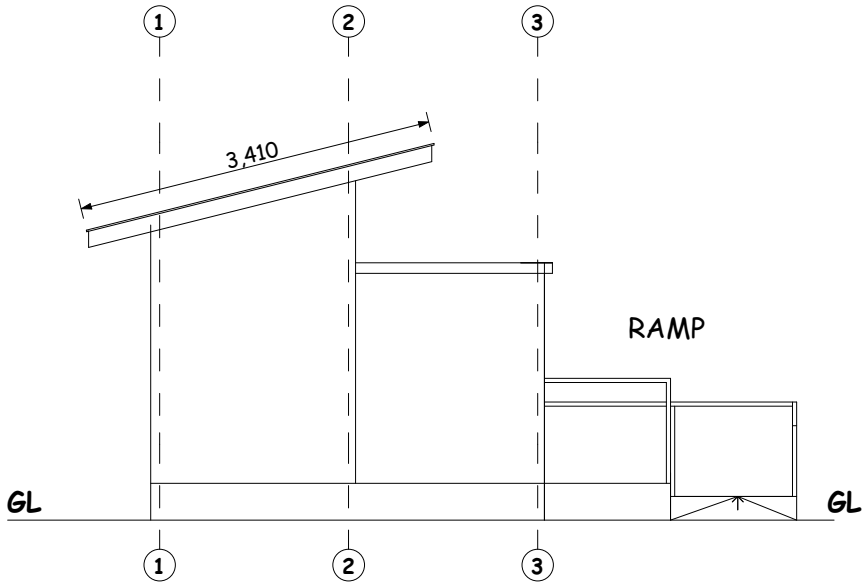
ROOF PLAN

REVISED 1

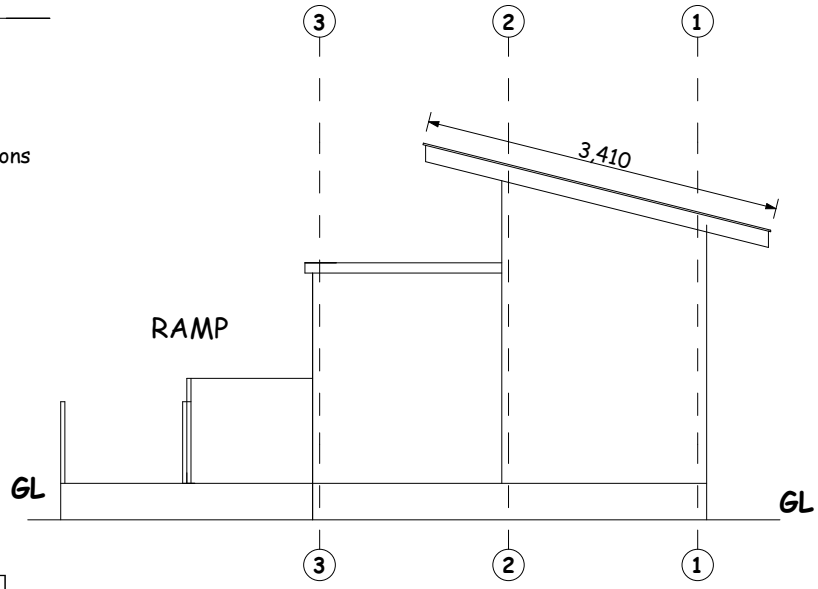
MINISTRY OF EDUCATION, SCIENCE AND TECHNOLOGY *IN COLABORATION WITH* PRESIDENT'S OFFICE REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT	PROVISION OF PHYSICAL FACILITIES IN PRIMARY SCHOOLS	DRAWING TITLE TOILET FOR 150 BOYS WITH FACILITY FOR DISABLED DRY AREA - ROOF PLAN DRAWING NO. BP/ARC/TLT-DB 150/03
		DRAWN BY J.R CHECKED BY I.A.S. SCALE 1:200 DEC,2022



TYPICAL SECTION



SIDE ELEVATION

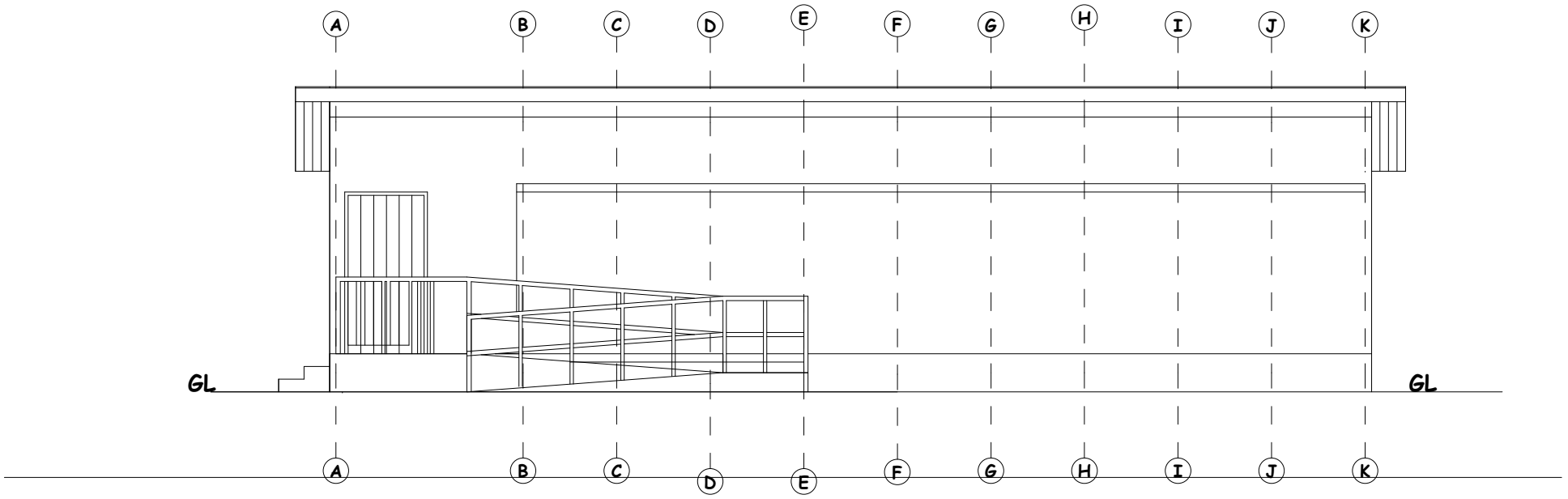


SIDE ELEVATION

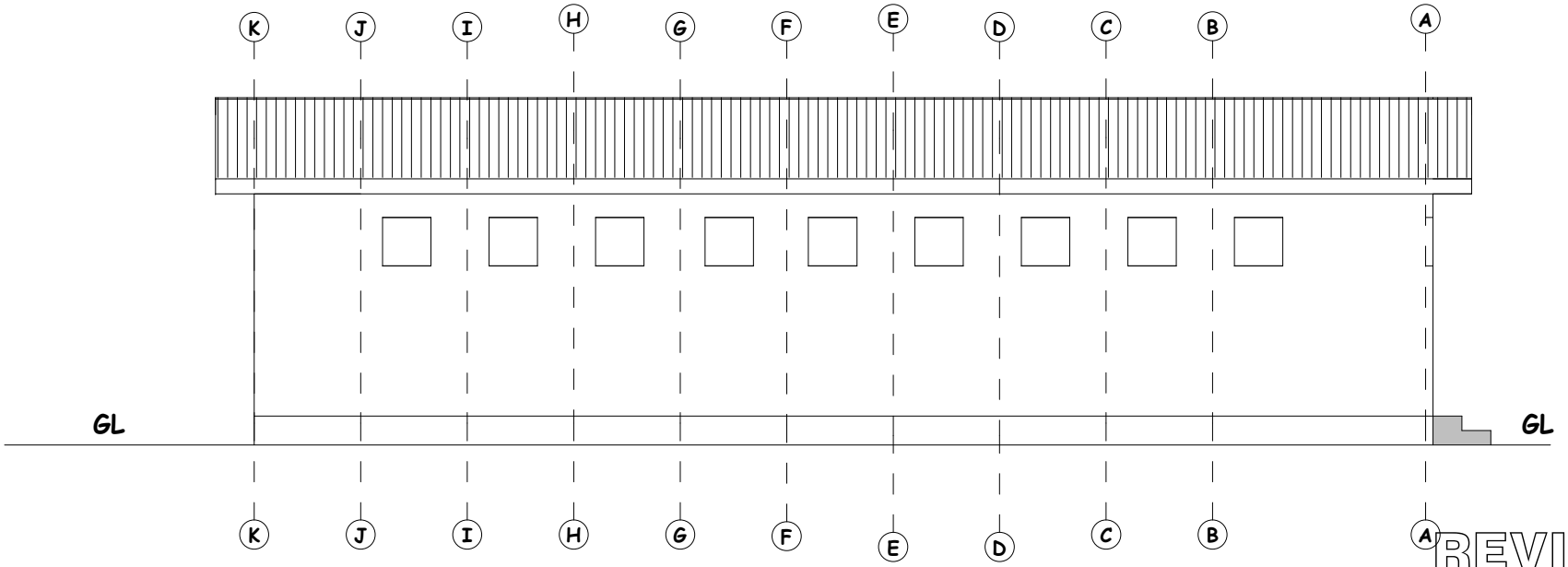
REVISED 1

MINISTRY OF EDUCATION, SCIENCE AND TECHNOLOGY *IN COLABORATION WITH* **PRESIDENT'S OFFICE REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT**	**PROVISION OF PHYSICAL FACILITIES IN PRIMARY SCHOOLS**	DRAWING TITLE **TOILET FOR 150 BOYS WITH FACILITY FOR DISABLED** **DRY AREA - TYPICAL SECTION & SIDE ELEVATIONS** DRAWING NO. BP/ARC/TLT-DB150/05
		DRAWN BY J.R CHECKED BY I.A.S. SCALE 1:200 DEC,2022

TYPICAL SECTION



FRONT ELEVATION



REAR ELEVATION

REVISED 1

MINISTRY OF EDUCATION, SCIENCE AND TECHNOLOGY *IN COLABORATION WITH* PRESIDENT'S OFFICE REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT	PROVISION OF PHYSICAL FACILITIES IN PRIMARY SCHOOLS	DRAWING TITLE TOILET FOR 150 BOYS WITH FACILITY FOR DISABLED DRY AREA - ELEVATIONS DRAWING NO. BP/ARC/TLT-DB150/04	DRAWN BY J.R CHECKED BY I.A.S. SCALE 1:200 DEC,2022

LIST OF DRAWINGS

DRAWING NO.	DESCRIPTION,
BP/PL/TLT/01	LEGEND AND NOTES
BP/PL/TLT/02	WATER SUPPLY SYSTEM
BP/PL/TLT/03	RAIN WATER HARVESTING SYSTEM
BP/PL/TLT/04	PART PLAN AND SECTION DETAILS

LEGEND

- Cold Water supply pipes
- Sanitary drainage pipes
- Hot water supply pipes
- Vent pipe
- Gate valve
- Check valve
- Water meter
- Hand operated angle valve
- Flexible pipe
- Hose bib
- Straight tee
- 90° elbow
- elbow going downwards
- elbow going upwards
- tee going upwards
- tee going downwards
- Direction of water flow
- Shower mixer
- Wall mounted electric water heater

HWB- hand wash basin
HB- Hose Bib
WC- Water closet
UR- Urinals
HS- Handspray
SHW- Shower tray
WH- Electric water heater
GT- Gully trap
IC- Inspection chamber
IL- Invert level
FD- Floor drain
VP- Vent pipe
CWP- Cold water provision
WWP- Waste water provision

NOTE:
ALL SANITARY APPLIANCES SHOULD BE CONNECTED TO THE WATER SUPPLY PIPE THROUGH AN ANGLE VALVE

NOTE
All ppr-pipes exposed to sunlight should be insulated

NOTE:
ALL PIPES DIAMETER SPECIFIED ARE EXTERNAL DIAMETRES AND HAVE BEEN SPECIFIED ACCORDING TO ISO 4427, THESE PIPES ARE PPR-PIPES WITH PN1.6

NOTE
ALL DIMENSIONS ARE IN MILLIMETRES
ALL PIPE DIAMETERS ARE EXTERNAL DIAMETERS

Notes

1. Pipe dimensions are in mm internal diameter (DN).

2. All internal water supply pipes and riser shall be embeded in walls/floor as shown on the drawings

3. All internal water supply pipes shall be in PPR (Fusion) and external pipe should be HDPE

4. All wastewater pipes shall be of uPVC class ''B'' embedded to wall/concrete floor where applicable except for vent pipes

5. All drains pipes passing under building or drive way shoud be incased in 150mm concrete sorrounding

6. Manhole cover and Gully trap covers in walking areas to be air tight and their top finishing to match with their surroundings otherwise mahole to be cast iron medium duty

7. Slope of horizontal wastewater pipes from appliances should not exceed 1:40

8. Slopes of horizontal wastewater pipes from GT to MH or MH to MH should not exceed1:100

9. Slopes of storm water drainage should not exceed 1%

10. All work to be carried out in accordance with all rellevant acts, regulators, statutory authority requirements ans best practices

11. All relevant details, level dimensions must be checked onsite. Any discepancies must be reported for approval prior to implementation

12.The design including details must be coordinated with other designs(Structural, PLhitectural and other services) prior to implementation
13. ALL LABORATORY WASTE PIPES ARE VULCATHENE PIPES
14. These drawings must be used in conjunction with PLhitectural drawings for dimension reference

15. Site information must be analysed before use of these drawings

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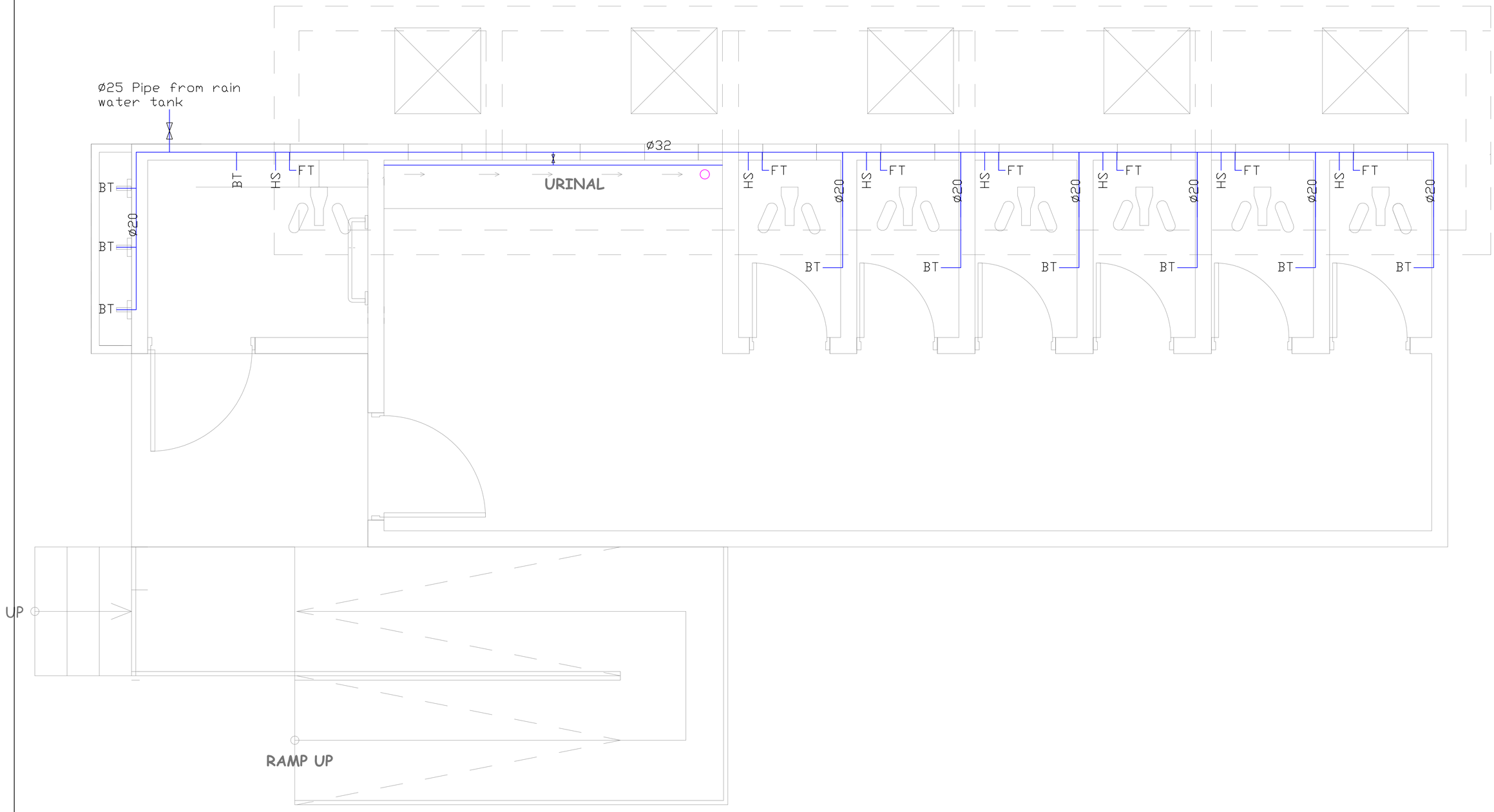
PROVISION OF PHYSICAL FACILITIES IN PRIMARY SCHOOLS

DRAWING TITLE
TOILET FOR 150 BOYS WITH FACILITY FOR DISABLED
PIPED WATER AREA - LEGEND AND NOTES

DRAWING NO. BP/PL/TLT/01

DRAWN BY NSM
CHECKED BY I.A.S.
SCALE 1:200
DEC,2022



MINISTRY OF EDUCATION, SCIENCE AND TECHNOLOGY

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PRESIDENT'S OFFICE REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT

PROVISION OF PHYSICAL FACILITIES IN PRIMARY SCHOOLS

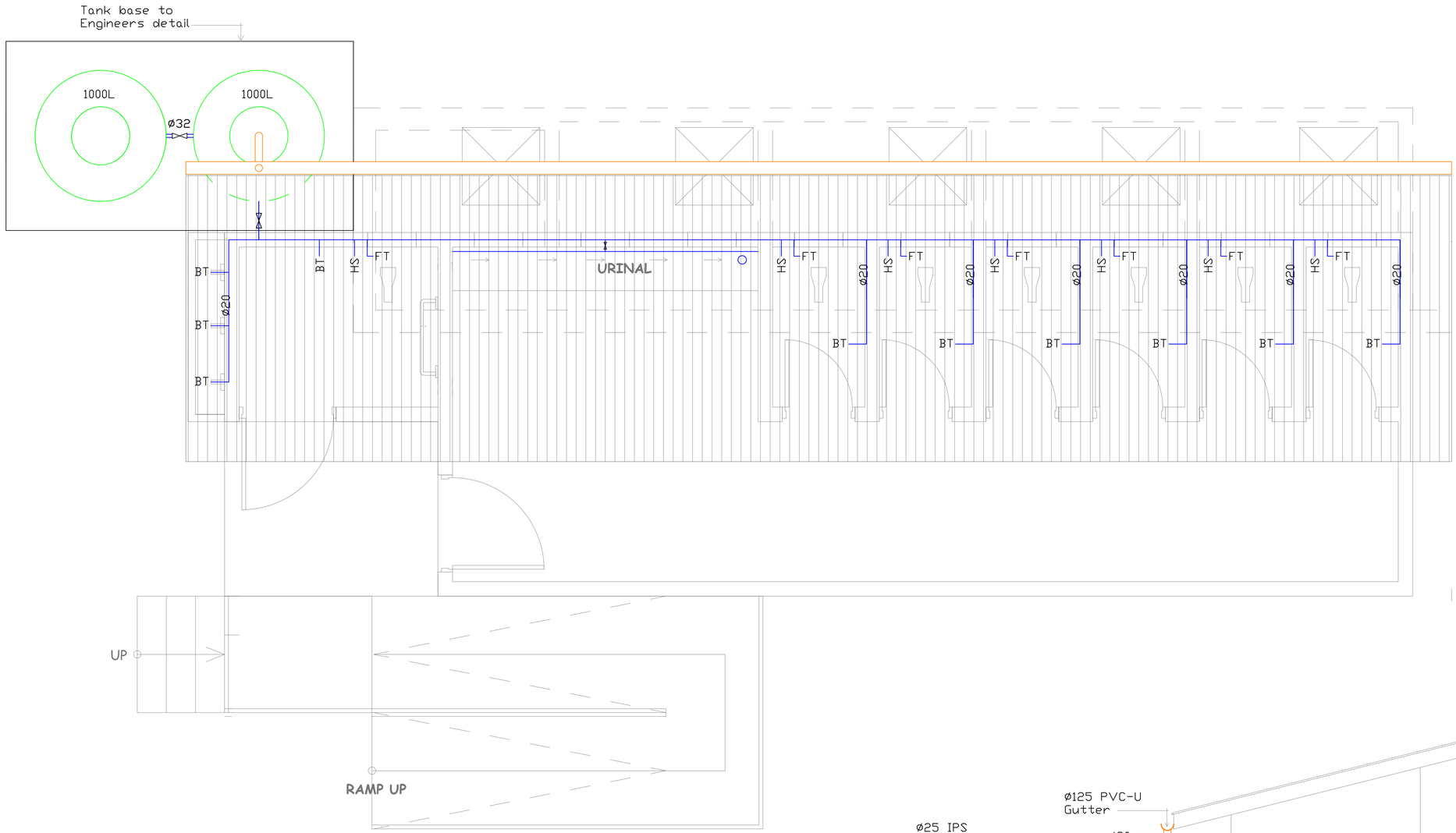
DRAWING TITLE

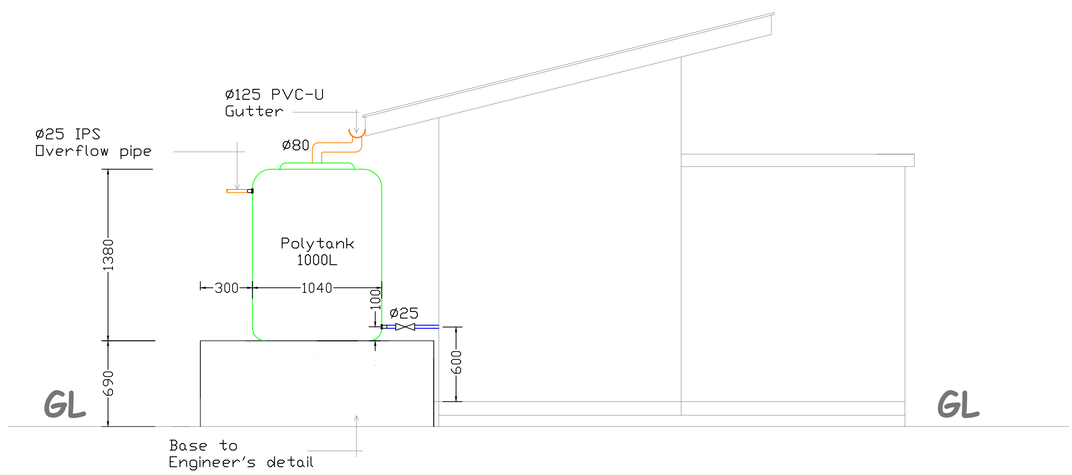
TOILET FOR 150 BOYS WITH FACILITY FOR DISABLED
DRY AREA - WATER SUPPLY SYSTEM

DRAWING NO. BP/PL/TLT/02

DRAWN BY NSM
CHECKED BY I.A.S.

SCALE 1:200
DEC,2022



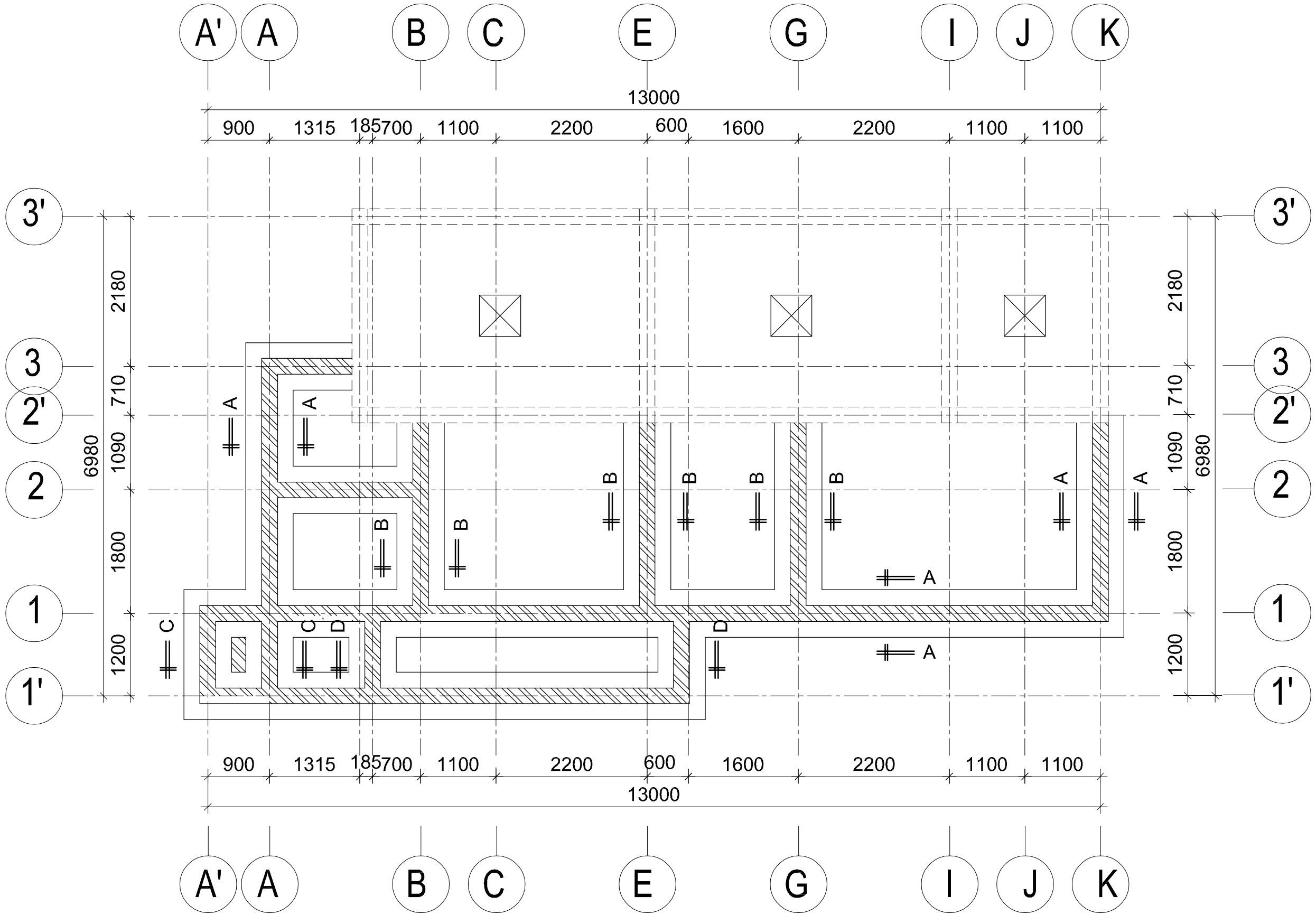


MINISTRY OF EDUCATION, SCIENCE AND TECHNOLOGY *IN COLABORATION WITH* **PRESIDENT'S OFFICE REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT**	**PROVISION OF PHYSICAL FACILITIES IN PRIMARY SCHOOLS**	DRAWING TITLE **TOILET FOR 150 BOYS WITH FACILITY FOR DISABLED** **DRY AREA - RAIN WATER HARVESTING SYSTEM** DRAWING NO. **BP/PL/TLT/03**	DRAWN BY NSM CHECKED BY I.A.S. SCALE 1:200 DEC,2022

STRUCTURAL DRAWINGS

FOR

TOILET BLOCK - DRY AREA
150 BOYS (6 STANCES) WITH FACILITY FOR DISABLED



FOUNDATION LAYOUT PLAN
Scale 1:100

NOTE:

1. All dimensions are in millimetres unless otherswise stated. In case of discrepancy, consult the Structural Engineer.
2. All structural engineering drawings should be read in conjunction with relevant architectural drawings.
3. All Reinforced concrete shall be Grade 20 - Nominal volumetric proportion 1: 2: 4 cube strength not less than 20N/mm² at 28 days.
4. Steel for reinforced concrete shall comply with BS4449 whereby fy = 460N/mm².
5. Bars lap length should be at least 50 times the diameter of the bars lapped.
6. Structural Engineer shall be furnished with copies of the manufacturers certificates of tests for the steel reinforcement to be used.
7. Cement for works shall comply with BS12 and shall be "Ordinary Portland Cement"
8. Clear cover for reinforcement shall be as follows:
   - Slabs 25mm
   - Beams 25mm
   - Columns 25mm
   - Footings.....50mm
7. All concrete work to be done in one operation.
8. All steel fixing, shuttering and concreting works to be done under close supervision of Structural Engineer.
9. Sand borrow pits shall be clean and free from organic materials and shall be approved by Structural Engineers before use.
10. Minimum Compressive Strength for Blocks shall be 3.5N/mm².

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:

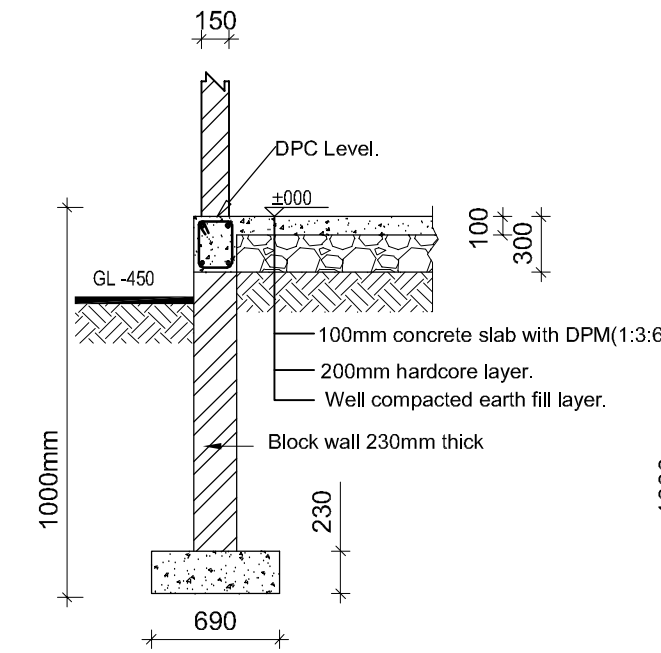
TOILET FOR 150 BOYS WITH FACILITY FOR DISABLED DRY AREA

FOUNDATION LAYOUT PLAN

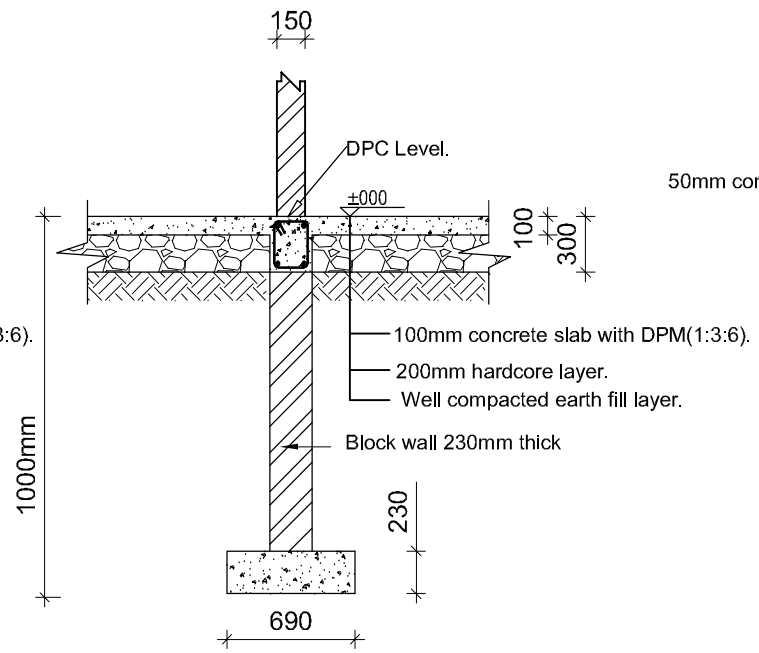
(**REVISED -1**)

DRAWING USE:
For Building permit: ☐
For Construction: ☑

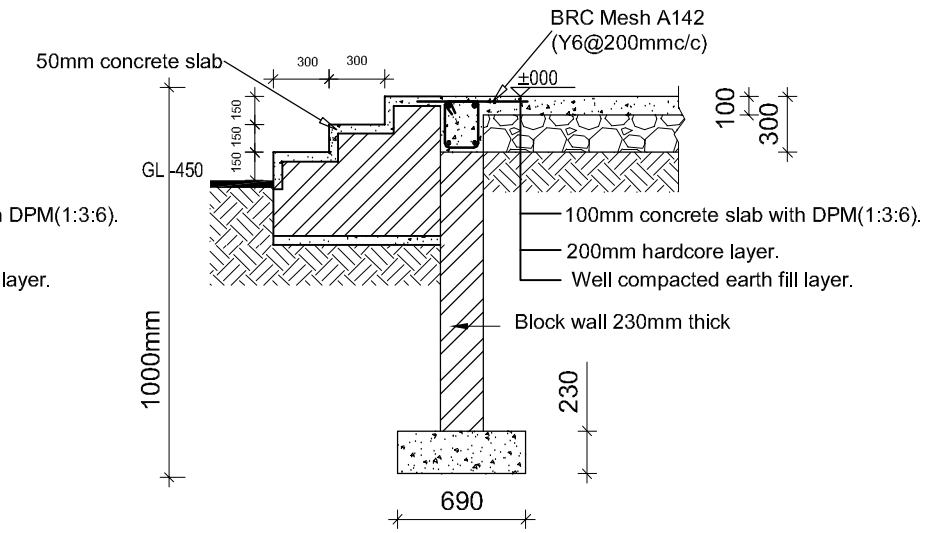
Drawn by:	J.M.S
Date: 2022	Scale:
Drawing No:STR.CR	Sheet: 01/09



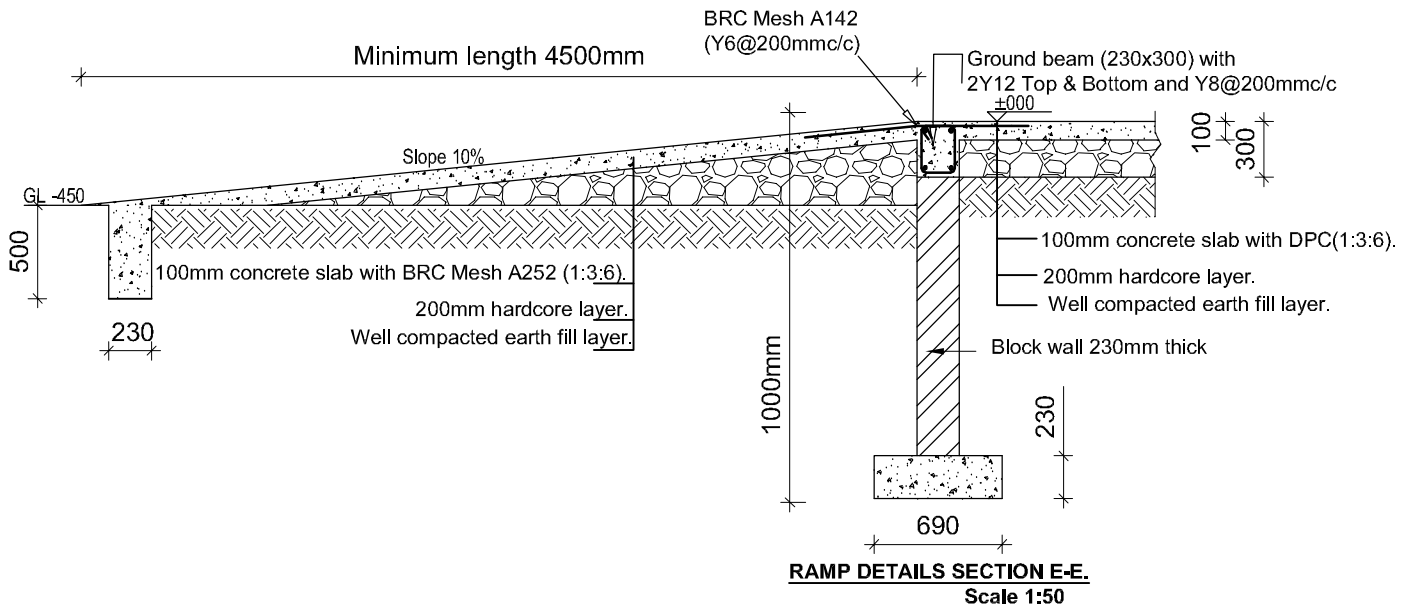
EXTERIOR WALL FOUNDATION SECTION A-A.
Scale 1:50



INTERIOR WALL FOUNDATION SECTION B-B.
Scale 1:50



EXTERIOR WALL FOUNDATION SECTION C-C.
Scale 1:50



RAMP DETAILS SECTION E-E.
Scale 1:50

NOTE:

1. All dimensions are in millimetres unless otherswise stated. In case of discrepancy, consult the Structural Engineer.
2. All structural engineering drawings should be read in conjunction with relevant architectural drawings.
3. All Reinforced concrete shall be Grade 20 - Nominal volumetric proportion 1: 2: 4 cube strength not less than 20N/mm² at 28 days.
4. Steel for reinforced concrete shall comply with BS4449 whereby fy = 460N/mm².
5. Bars lap length should be at least 50 times the diameter of the bars lapped.
6. Structural Engineer shall be furnished with copies of the manufacturers certificates of tests for the steel reinforcement to be used.
7. Cement for works shall comply with BS12 and shall be "Ordinary Portland Cement"
8. Clear cover for reinforcement shall be as follows:
   - Slabs 25mm
   - Beams 25mm
   - Columns 25mm
   - Footings.....50mm
7. All concrete work to be done in one operation.
8. All steel fixing, shuttering and concreting works to be done under close supervision of Structural Engineer.
9. Sand borrow pits shall be clean and free from organic materials and shall be approved by Structural Engineers before use.
10. Minimum Compressive Strength for Blocks shall be 3.5N/mm².

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:

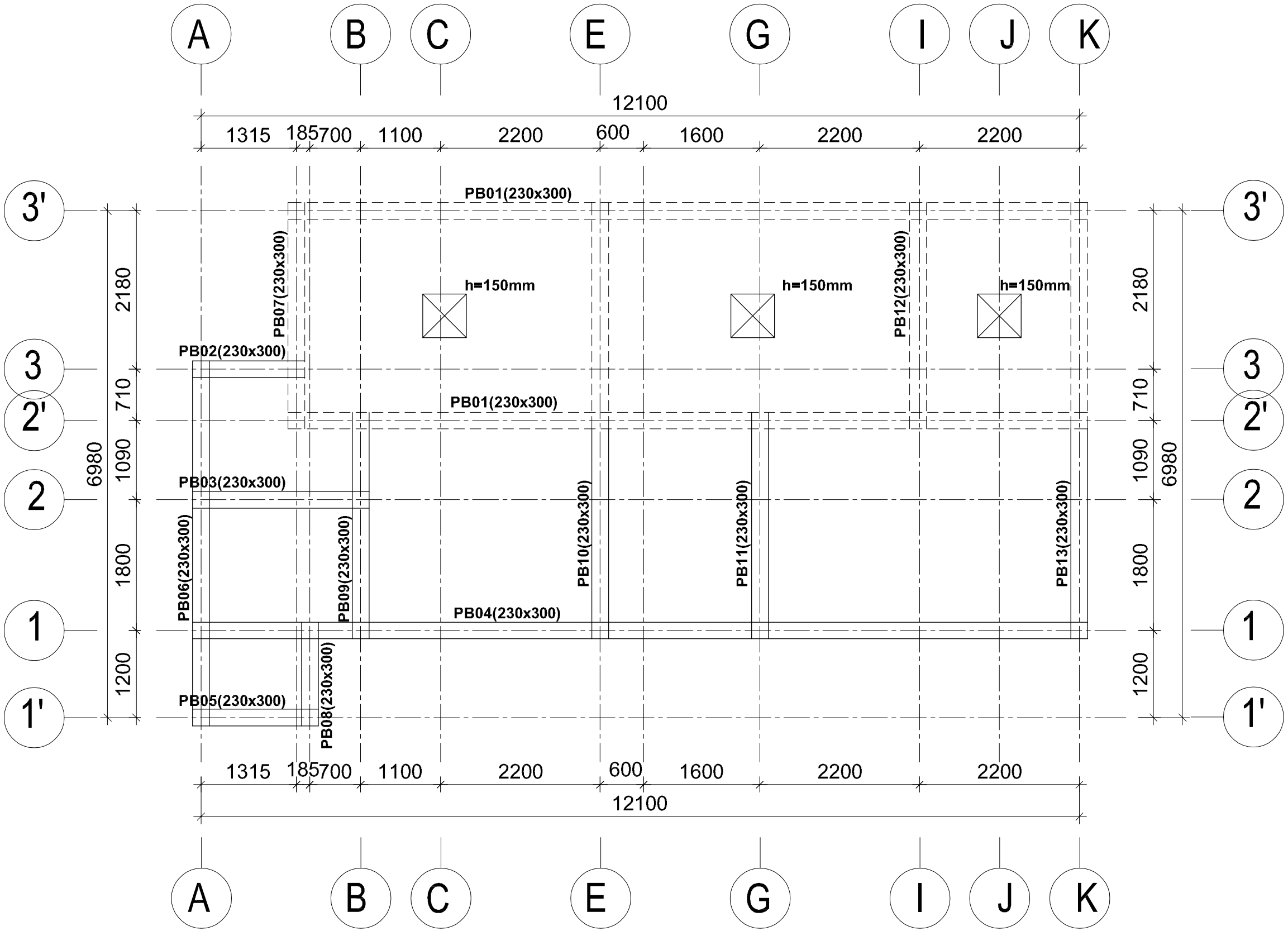
TOILET FOR 150 BOYS WITH FACILITY FOR DISABLED DRY AREA

FOUNDATION DETAILS

(**REVISED -1**)

DRAWING USE:
For Building permit: ☐
For Construction: ☑

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



PLINTH BEAMS LAYOUT PLAN

Scale 1:100

NOTE:

1. All dimensions are in millimetres unless otherswise stated. In case of discrepancy, consult the Structural Engineer.
2. All structural engineering drawings should be read in conjunction with relevant architectural drawings.
3. All Reinforced concrete shall be Grade 20 - Nominal volumetric proportion 1: 2: 4 cube strength not less than 20N/mm² at 28 days.
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7. Cement for works shall comply with BS12 and shall be "Ordinary Portland Cement"
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   - Beams 25mm
   - Columns 25mm
   - Footings.....50mm
7. All concrete work to be done in one operation.
8. All steel fixing, shuttering and concreting works to be done under close supervision of Structural Engineer.
9. Sand borrow pits shall be clean and free from organic materials and shall be approved by Structural Engineers before use.
10. Minimum Compressive Strength for Blocks shall be 3.5N/mm².

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:

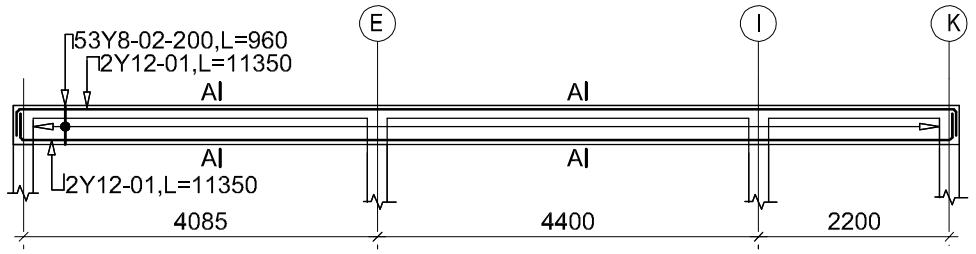
TOILET FOR 150 BOYS WITH FACILITY FOR DISABLED DRY AREA

PLINTH BEAMS LAYOUT PLAN

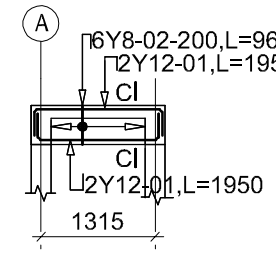
(**REVISED -1**)

DRAWING USE:
For Building permit: ☐
For Construction: ☑

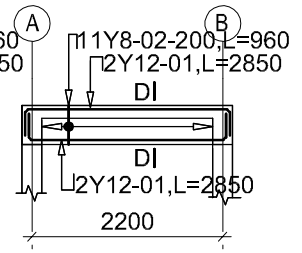
Drawn by:	J.M.S
Date: 2022	Scale:
Drawing No:STR.CR	Sheet: 03/09



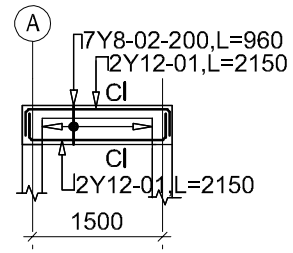
PLINTH BEAM PB01 (230x300) 2Nos
Scale 1:100



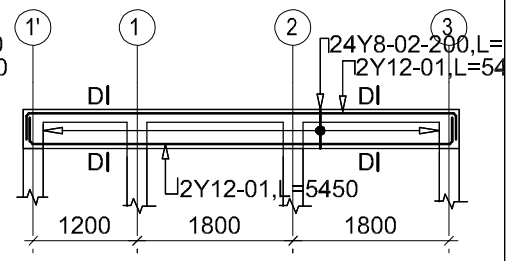
PLINTH BEAM PB02
(230x300) 1Nos Scale 1:100



PLINTH BEAM PB03
(230x300) 1Nos Scale 1:100



PLINTH BEAM PB05
(230x300) 1Nos Scale 1:100



PLINTH BEAM PB06 (230x300) 1Nos
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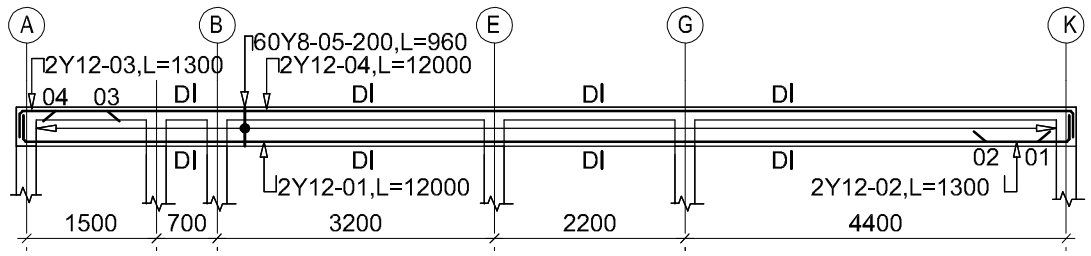
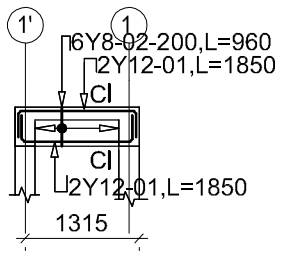
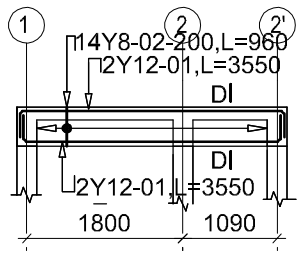


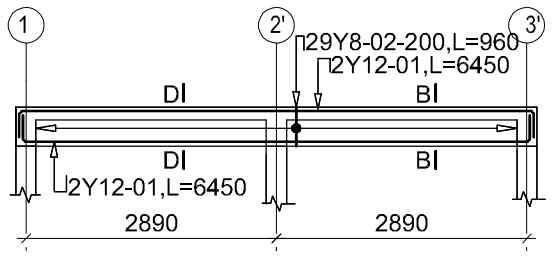
PLINTH BEAM PB04 (230x300) 1Nos
Scale 1:100



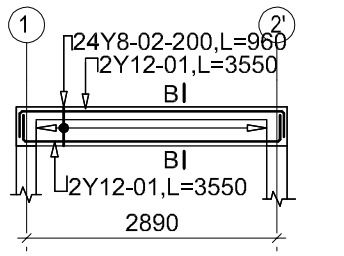
PLINTH BEAM PB08
(230x300) 1Nos Scale 1:100



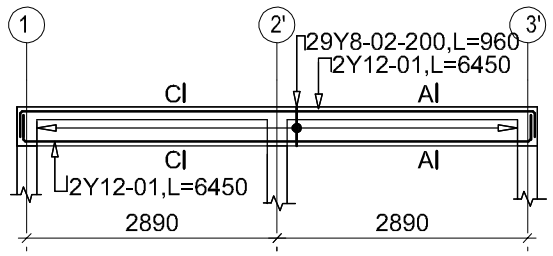
PLINTH BEAM PB09 (230x300) 1Nos
Scale 1:100



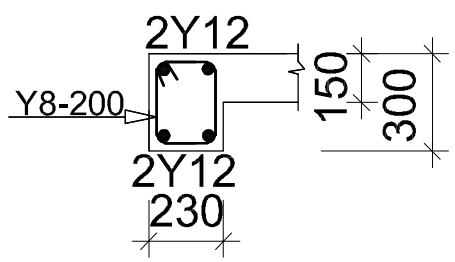
PLINTH BEAM PB10 (230x300) 1Nos
Scale 1:100



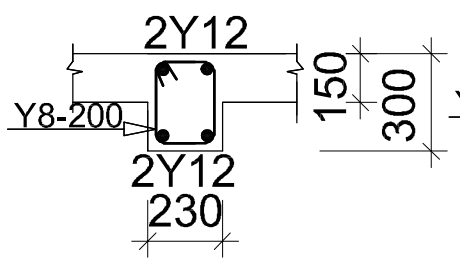
PLINTH BEAM PB12 (230x300) 1Nos
Scale 1:100



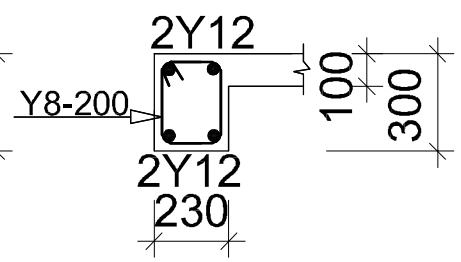
PLINTH BEAM PB13 (230x300) 1Nos
Scale 1:100



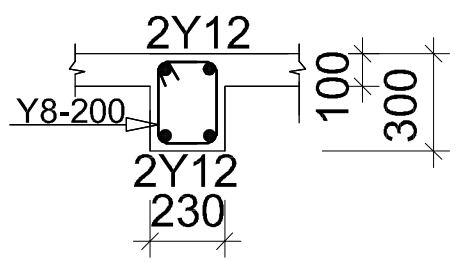
SECTION A - A
Scale 1:50



SECTION B - B
Scale 1:50



SECTION C - C
Scale 1:50



SECTION D - D
Scale 1:50

NOTE:

1. All dimensions are in millimetres unless otherswise stated. In case of discrepancy, consult the Structural Engineer.
2. All structural engineering drawings should be read in conjunction with relevant architectural drawings.
3. All Reinforced concrete shall be Grade 20 - Nominal volumetric proportion 1: 2: 4 cube strength not less than 20N/mm² at 28 days.
4. Steel for reinforced concrete shall comply with BS4449 whereby fy = 460N/mm².
5. Bars lap length should be at least 50 times the diameter of the bars lapped.
6. Structural Engineer shall be furnished with copies of the manufacturers certificates of tests for the steel reinforcement to be used.
7. Cement for works shall comply with BS12 and shall be "Ordinary Portland Cement"
8. Clear cover for reinforcement shall be as follows:
   - Slabs 25mm
   - Beams 25mm
   - Columns 25mm
   - Footings.....50mm
7. All concrete work to be done in one operation.
8. All steel fixing, shuttering and concreting works to be done under close supervision of Structural Engineer.
9. Sand borrow pits shall be clean and free from organic materials and shall be approved by Structural Engineers before use.
10. Minimum Compressive Strength for Blocks shall be 3.5N/mm².

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:

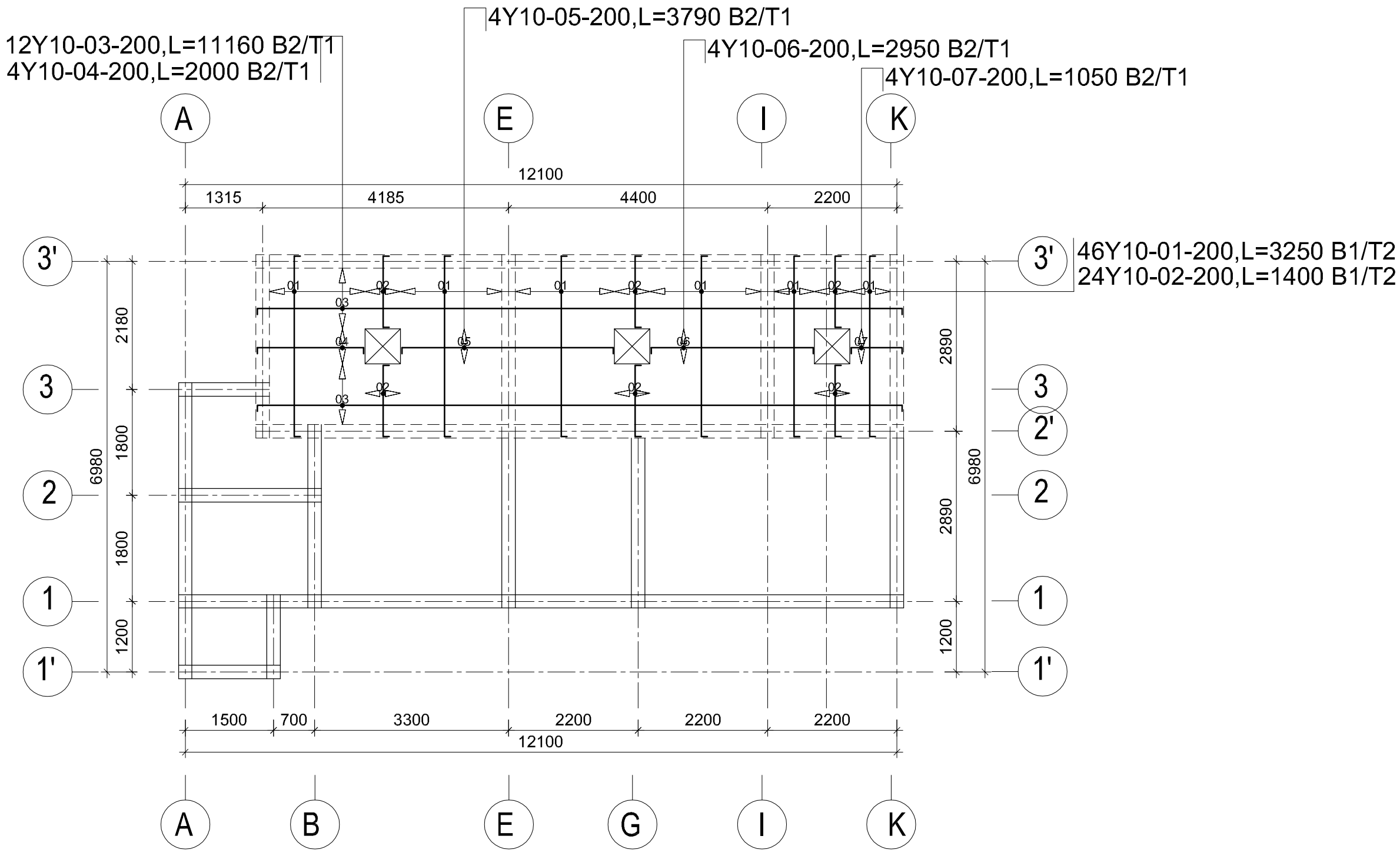
DRAWING TITLE:

TOILET FOR 150 BOYS WITH FACILITY FOR DISABLED DRY AREA

PLINTH BEAMS DETAILS
(**REVISED -1**)

DRAWING USE:
For Building permit: ☐
For Construction: ☑

Drawn by:	J.M.S
Date: 2022	Scale:
Drawing No:STR.CR	Sheet: 04/09



SLABS REINFORCEMENTS DETAILS

Scale 1:100

NOTE:

1. All dimensions are in millimetres unless otherswise stated. In case of discrepancy, consult the Structural Engineer.
2. All structural engineering drawings should be read in conjunction with relevant architectural drawings.
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9. Sand borrow pits shall be clean and free from organic materials and shall be approved by Structural Engineers before use.
10. Minimum Compressive Strength for Blocks shall be 3.5N/mm².

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:

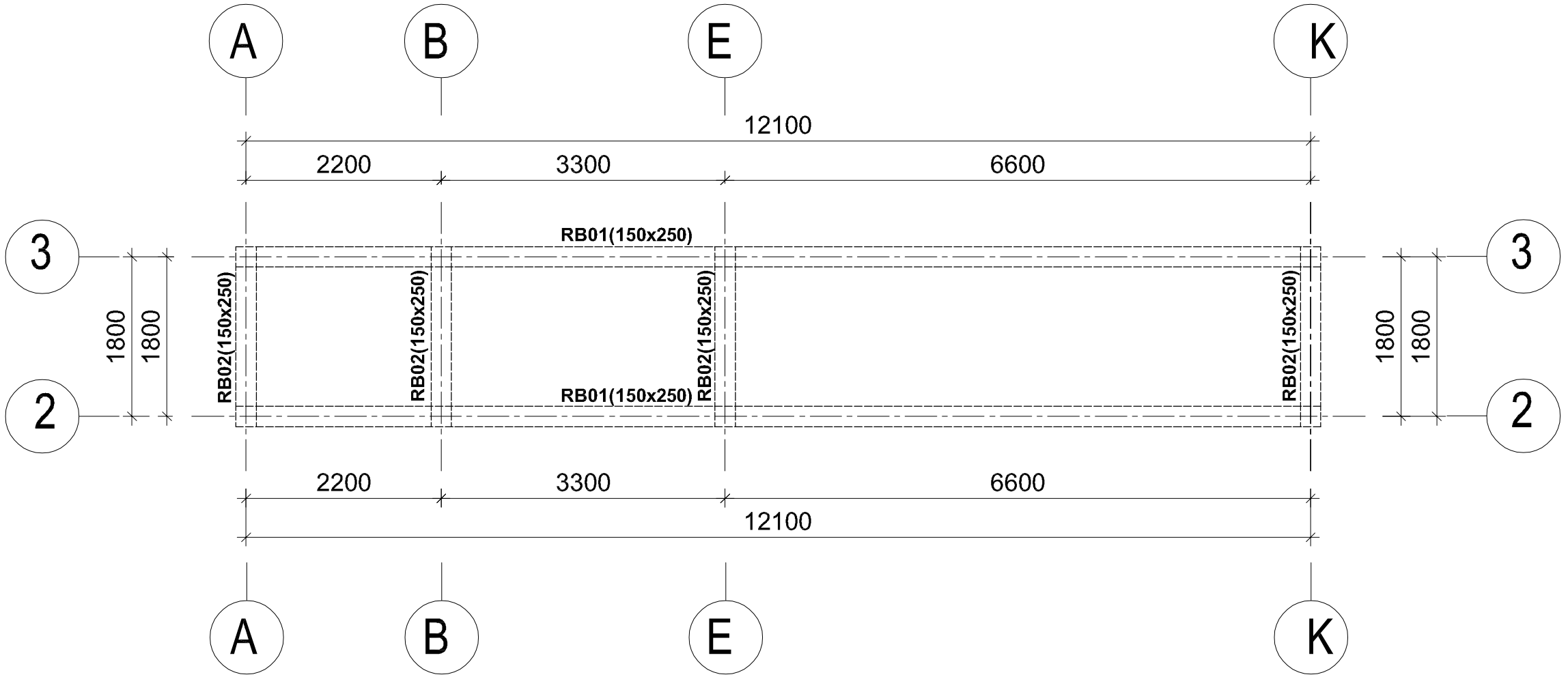
DRAWING TITLE:

TOILET FOR 150 BOYS WITH FACILITY FOR DISABLED DRY AREA

SLAB REINFORCEMENT DETAILS (**REVISED -1**)

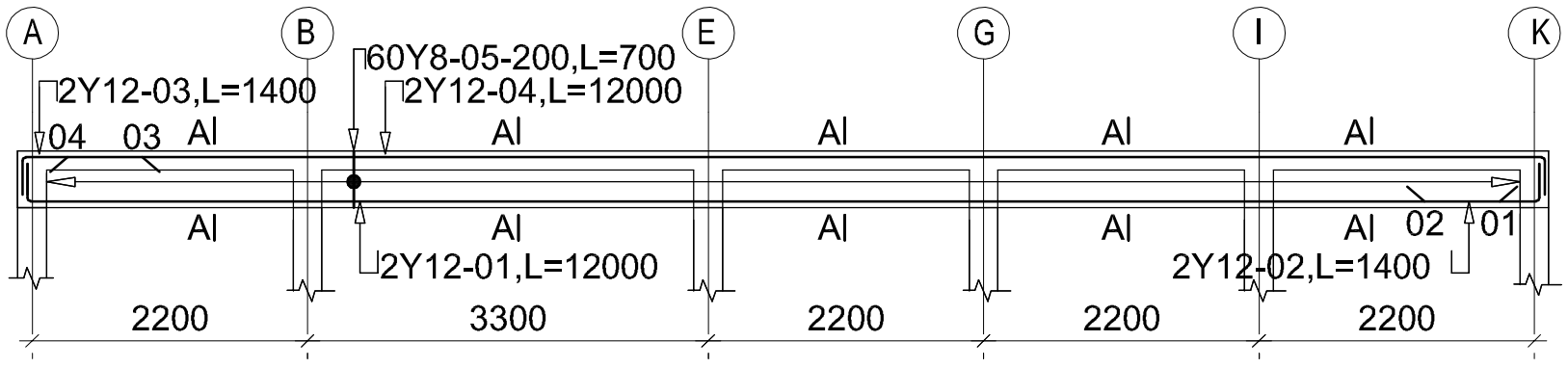
DRAWING USE:
For Building permit: ☐
For Construction: ☑

Drawn by:	J.M.S
Date: 2022	Scale:
Drawing No:STR.CR	Sheet: 05/09



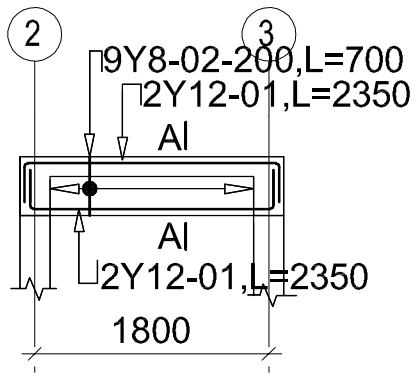
ROOF RING BEAMS LAYOUT PLAN

Scale 1:100

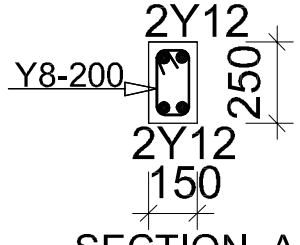


ROOF RING BEAM RB01 (150x250) 2Nos

Scale 1:100



ROOF RING BEAM RB02 (150x250) 4Nos Scale 1:100



SECTION A - A

Scale 1:50

NOTE:

1. All dimensions are in millimetres unless otherswise stated. In case of discrepancy, consult the Structural Engineer.
2. All structural engineering drawings should be read in conjunction with relevant architectural drawings.
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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

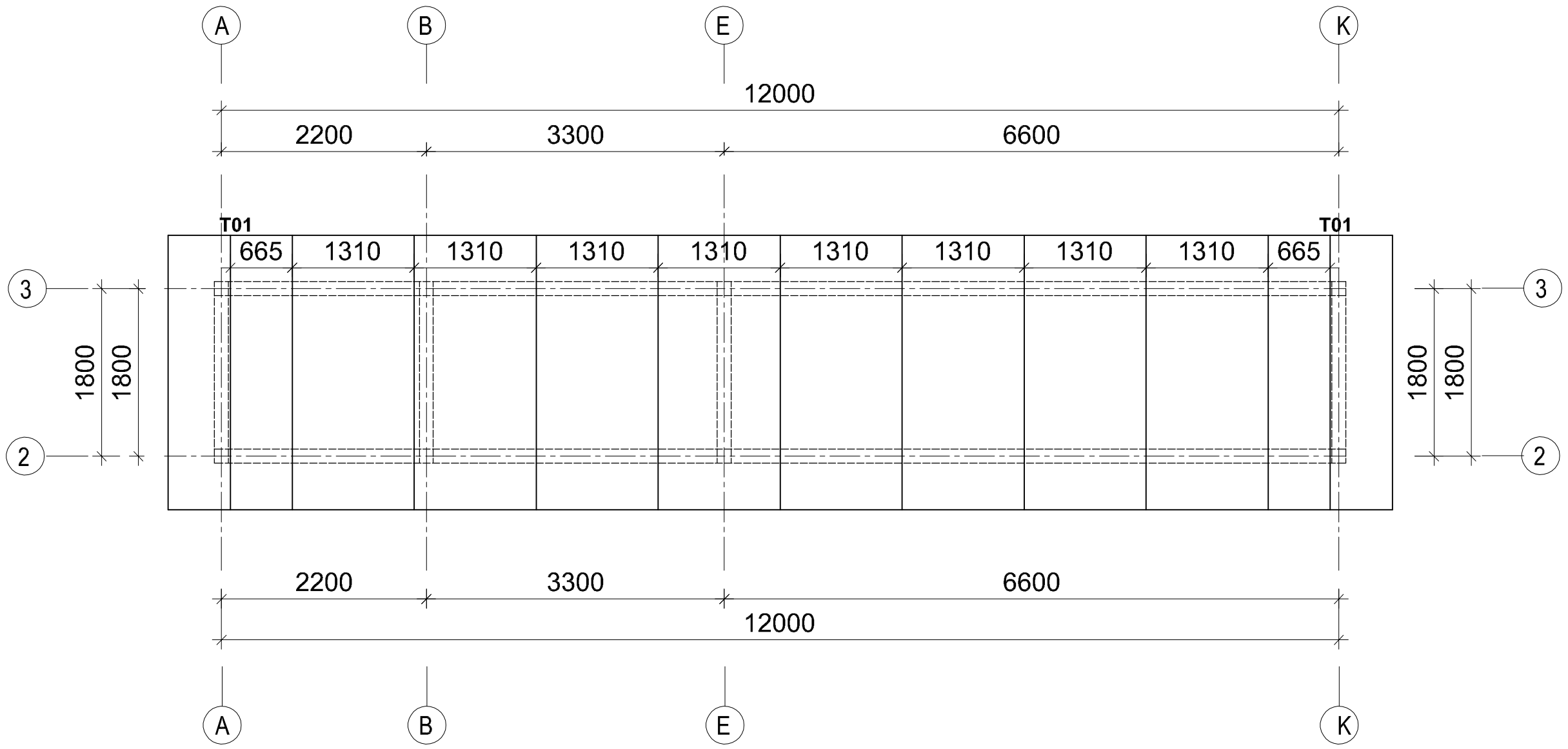
ROOF RING BEAMS LAYOUT PLAN AND SECTION DETAILS (**REVISED -1**)

DRAWING USE:

For Building permit: ☐

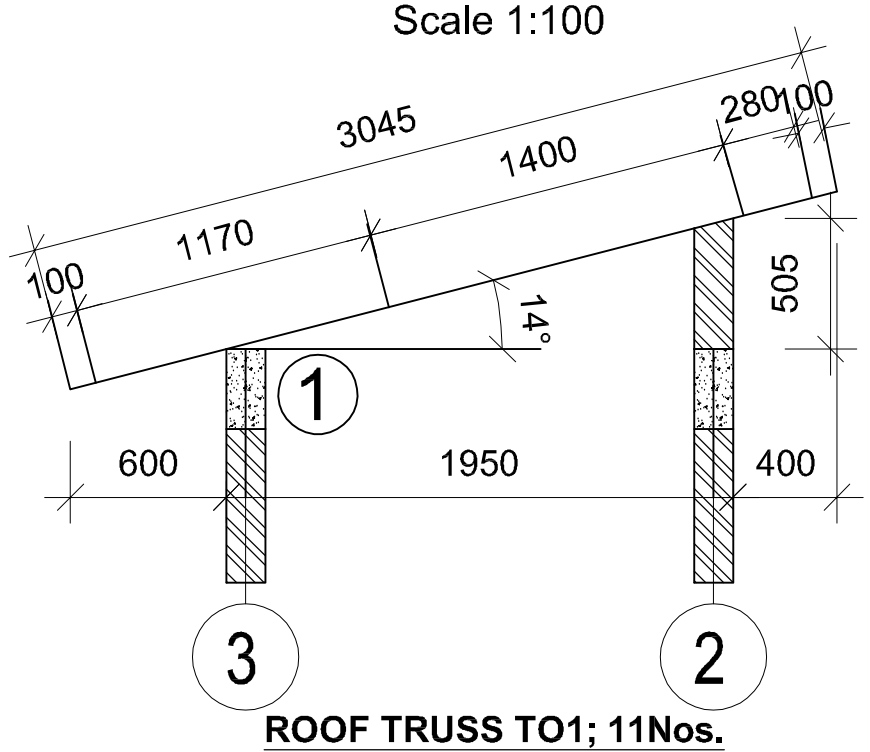
For Construction: ☑

Drawn by:	J.M.S
Date: 2022	Scale:
Drawing No:STR.CR	Sheet: 06/09



ROOF TRUSS LAYOUT PLAN

Scale 1:100



ROOF TRUSS TO1; 11Nos.

Scale 1:100

NOTE:

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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:

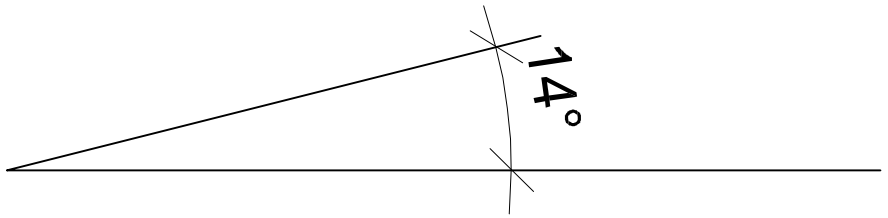
DRAWING TITLE:

TOILET FOR 150 BOYS WITH FACILITY FOR DISABLED DRY AREA

ROOF TRUSS LAYOUT PLAN AND DETAILS
(**REVISED -1**)

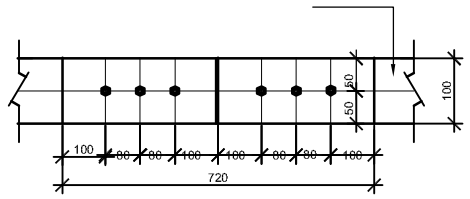
DRAWING USE:
For Building permit: ☐
For Construction: ☑

Drawn by:	J.M.S
Date: 2022	Scale:
Drawing No:STR.CR	Sheet: 07/09



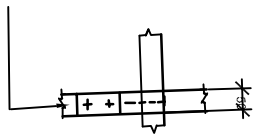
100mm long nails 6 Nos.
GUSSETS-2NOS -25 mm. marine plywood
bothways.

2x50x150mm, or 1x50x150mm.

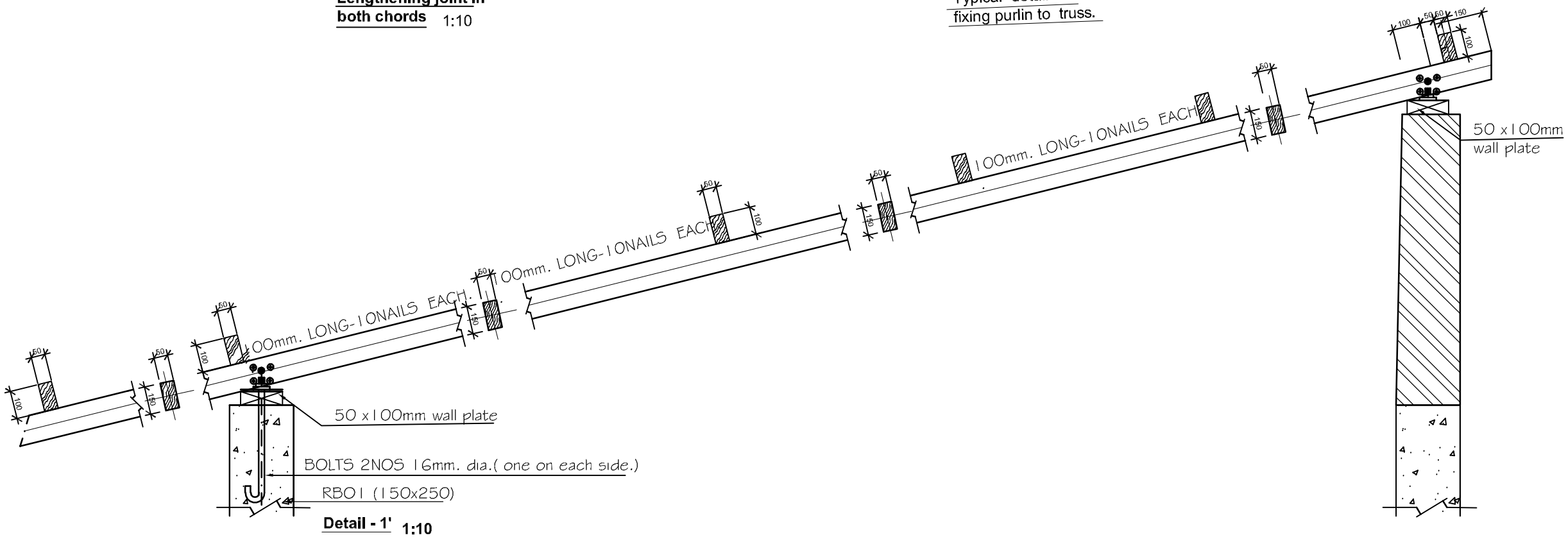


Lengthening joint in both chords 1:10

1x50x150mm



Typical detail for fixing purlin to truss.



Detail - 1' **1:10**

TYPICAL TRUSS CONNECTIONS DETAIL

NOTE:

1. All dimensions are in millimetres unless otherswise stated. In case of discrepancy, consult the Structural Engineer.
2. All structural engineering drawings should be read in conjunction with relevant architectural drawings.
3. All Reinforced concrete shall be Grade 20 - Nominal volumetric proportion 1: 2: 4 cube strength not less than 20N/mm² at 28 days.
4. Steel for reinforced concrete shall comply with BS4449 whereby fy = 460N/mm².
5. Bars lap length should be at least 50 times the diameter of the bars lapped.
6. Structural Engineer shall be furnished with copies of the manufacturers certificates of tests for the steel reinforcement to be used.
7. Cement for works shall comply with BS12 and shall be "Ordinary Portland Cement"
8. Clear cover for reinforcement shall be as follows:
   - Slabs 25mm
   - Beams 25mm
   - Columns 25mm
   - Footings.....50mm
7. All concrete work to be done in one operation.
8. All steel fixing, shuttering and concreting works to be done under close supervision of Structural Engineer.
9. Sand borrow pits shall be clean and free from organic materials and shall be approved by Structural Engineers before use.
10. Minimum Compressive Strength for Blocks shall be 3.5N/mm².

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

TRUSS CONNECTION DETAILS (**REVISED -1**)

DRAWING USE:
For Building permit: ☐
For Construction: ☑

Drawn by:	J.M.S
Date: 2022	Scale:
Drawing No:STR.CR	Sheet: 08/09

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Bar Bending Schedule

PROVISION OF PHYSICAL FACILITIES FOR PRIMARY SCHOOLS - TOILET FOR 150 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	01	Y12	11350	8	90.8	10850, 250	
PLINTH BEAM PB01	2	02	Y8	960	106	101.76	50, 50, 250, 180	
PLINTH BEAM PB02	1	01	Y12	1950	4	7.8	1450, 250	
PLINTH BEAM PB02	1	02	Y8	960	6	5.76	50, 50, 250, 180	
PLINTH BEAM PB03	1	01	Y12	2850	4	11.4	2350, 250	
PLINTH BEAM PB03	1	02	Y8	960	11	10.56	50, 50, 250, 180	
PLINTH BEAM PB04	1	01	Y12	12000	2	24	11750, 250	
PLINTH BEAM PB04	1	02	Y12	1300	2	2.6	1050, 250	
PLINTH BEAM PB04	1	03	Y12	1300	2	2.6	1050, 250	
PLINTH BEAM PB04	1	04	Y12	12000	2	24	11750, 250	
PLINTH BEAM PB04	1	05	Y8	960	60	57.6	50, 50, 250, 180	
PLINTH BEAM PB05	1	01	Y12	2150	4	8.6	1650, 250	
PLINTH BEAM PB05	1	02	Y8	960	42	40.32	50, 50, 250, 180	
PLINTH BEAM PB06	1	01	Y12	5450	4	21.8	4950, 250	
PLINTH BEAM PB06	1	02	Y8	960	24	23.04	50, 50, 250, 180	
PLINTH BEAM PB07	1	01	Y12	3550	4	14.2	3050, 250	
PLINTH BEAM PB07	1	02	Y8	960	14	13.44	50, 50, 250, 180	
PLINTH BEAM PB08	1	01	Y12	1850	4	7.4	1350, 250	
PLINTH BEAM PB08	1	02	Y8	960	6	5.76	50, 50, 250, 180	
PLINTH BEAM PB09	1	01	Y12	3550	4	14.2	3050, 250	
PLINTH BEAM PB09	1	02	Y8	960	14	13.44	50, 50, 250, 180	
PLINTH BEAM PB10	1	01	Y12	6450	4	25.8	5950, 250	
PLINTH BEAM PB10	1	02	Y8	960	29	27.84	50, 50, 250, 180	

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Bar Bending Schedule

PROVISION OF PHYSICAL FACILITIES FOR PRIMARY SCHOOLS - TOILET FOR 150 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 PB11	1	01	Y12	3550	4	14.2	3050, 250	
PLINTH BEAM PB11	1	02	Y8	960	24	23.04	50, 50, 250, 180	
PLINTH BEAM PB12	1	01	Y12	3550	4	14.2	3950, 250	
PLINTH BEAM PB12	1	02	Y8	960	14	13.44	50, 50, 250, 180	
PLINTH BEAM PB13	1	01	Y12	6450	4	25.8	250	
PLINTH BEAM PB13	1	02	Y8	960	29	27.84	50, 50, 250, 180	
SLAB	1	01	Y10	3250	96	299	3050, 100	
SLAB	1	02	Y10	1400	48	67.2	1200, 100	
SLAB	1	03	Y10	11160	24	267.84	10960, 100	
SLAB	1	04	Y10	2000	8	16	1800, 100	
SLAB	1	05	Y10	3790	8	30.32	3590, 100	
SLAB	1	06	Y10	2950	8	23.6	2750, 100	
SLAB	1	07	Y10	1050	8	8.4	8050, 100	
ROOF RING BEAM RB01	2	01	Y12	10350	8	82.8	9950, 200	
ROOF RING BEAM RB01	2	02	Y8	700	98	68.6	50, 50, 200, 100	
ROOF RING BEAM RB02	4	01	Y12	2350	16	37.6	1950, 200	
ROOF RING BEAM RB02	4	02	Y8	700	36	25.2	50, 50, 200, 100	

NOTE:

1. All dimensions are in millimetres unless otherswise stated. In case of discrepancy, consult the Structural Engineer.
2. All structural engineering drawings should be read in conjunction with relevant architectural drawings.
3. All Reinforced concrete shall be Grade 20 - Nominal volumetric proportion 1: 2: 4 cube strength not less than 20N/mm² at 28 days.
4. Steel for reinforced concrete shall comply with BS4449 whereby fy = 460N/mm².
5. Bars lap length should be at least 50 times the diameter of the bars lapped.
6. Structural Engineer shall be furnished with copies of the manufacturers certificates of tests for the steel reinforcement to be used.
7. Cement for works shall comply with BS12 and shall be "Ordinary Portland Cement"
8. Clear cover for reinforcement shall be as follows:
   - Slabs 25mm
   - Beams 25mm
   - Columns 25mm
   - Footings.....50mm
7. All concrete work to be done in one operation.
8. All steel fixing, shuttering and concreting works to be done under close supervision of Structural Engineer.
9. Sand borrow pits shall be clean and free from organic materials and shall be approved by Structural Engineers before use.
10. Minimum Compressive Strength for Blocks shall be 3.5N/mm².

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:

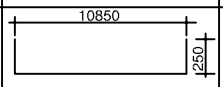
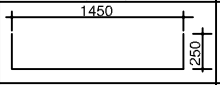
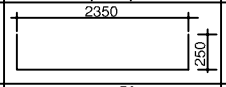
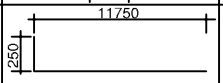
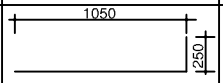
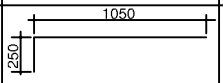
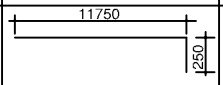
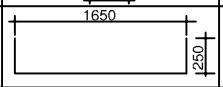
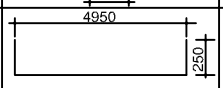
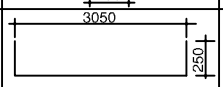
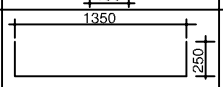
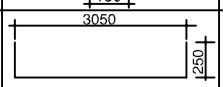
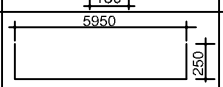
For Building permit: ☐

For Construction: ☑

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

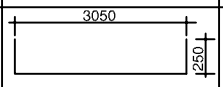
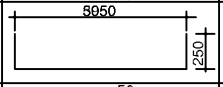
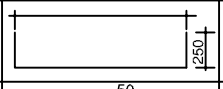
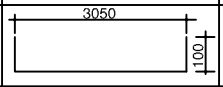
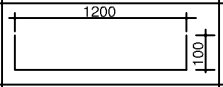
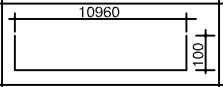
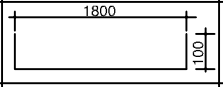
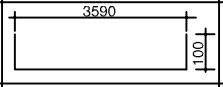
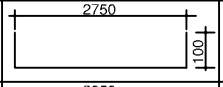
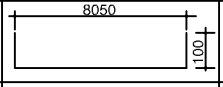
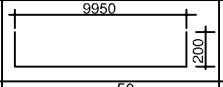
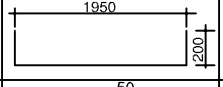
Bar Bending Schedule

PROVISION OF PHYSICAL FACILITIES FOR PRIMARY SCHOOLS - TOILET FOR 150 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	01	Y12	11350	8	90.8		
PLINTH BEAM PB01	2	02	Y8	960	106	101.76		
PLINTH BEAM PB02	1	01	Y12	1950	4	7.8		
PLINTH BEAM PB02	1	02	Y8	960	6	5.76		
PLINTH BEAM PB03	1	01	Y12	2850	4	11.4		
PLINTH BEAM PB03	1	02	Y8	960	11	10.56		
PLINTH BEAM PB04	1	01	Y12	12000	2	24		
PLINTH BEAM PB04	1	02	Y12	1300	2	2.6		
PLINTH BEAM PB04	1	03	Y12	1300	2	2.6		
PLINTH BEAM PB04	1	04	Y12	12000	2	24		
PLINTH BEAM PB04	1	05	Y8	960	60	57.6		
PLINTH BEAM PB05	1	01	Y12	2150	4	8.6		
PLINTH BEAM PB05	1	02	Y8	960	42	40.32		
PLINTH BEAM PB06	1	01	Y12	5450	4	21.8		
PLINTH BEAM PB06	1	02	Y8	960	24	23.04		
PLINTH BEAM PB07	1	01	Y12	3550	4	14.2		
PLINTH BEAM PB07	1	02	Y8	960	14	13.44		
PLINTH BEAM PB08	1	01	Y12	1850	4	7.4		
PLINTH BEAM PB08	1	02	Y8	960	6	5.76		
PLINTH BEAM PB09	1	01	Y12	3550	4	14.2		
PLINTH BEAM PB09	1	02	Y8	960	14	13.44		
PLINTH BEAM PB10	1	01	Y12	6450	4	25.8		
PLINTH BEAM PB10	1	02	Y8	960	29	27.84		

Bar Bending Schedule

PROVISION OF PHYSICAL FACILITIES FOR PRIMARY SCHOOLS - TOILET FOR 150 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 PB11	1	01	Y12	3550	4	14.2		
PLINTH BEAM PB11	1	02	Y8	960	24	23.04		
PLINTH BEAM PB12	1	01	Y12	3550	4	14.2		
PLINTH BEAM PB12	1	02	Y8	960	14	13.44		
PLINTH BEAM PB13	1	01	Y12	6450	4	25.8		
PLINTH BEAM PB13	1	02	Y8	960	29	27.84		
SLAB	1	01	Y10	3250	96	299		
SLAB	1	02	Y10	1400	48	67.2		
SLAB	1	03	Y10	11160	24	267.84		
SLAB	1	04	Y10	2000	8	16		
SLAB	1	05	Y10	3790	8	30.32		
SLAB	1	06	Y10	2950	8	23.6		
SLAB	1	07	Y10	1050	8	8.4		
ROOF RING BEAM RB01	2	01	Y12	10350	8	82.8		
ROOF RING BEAM RB01	2	02	Y8	700	98	68.6		
ROOF RING BEAM RB02	4	01	Y12	2350	16	37.6		
ROOF RING BEAM RB02	4	02	Y8	700	36	25.2