

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 100 Pupils Toilet
Block (4 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.

Schedule of Material

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
	<u>MATERIALS</u>				
A	SUB-STRUCTURE -PROVISIONAL				
1	<u>Strip Foundation - Grade 15 Plain</u>				
	Aggregate (3/4")	4	M ³		
	Sand	2	M ³		
	Cement-50kgs (42.5)	15	Bags		
2	<u>Foundation Walls</u>				
	6" Cement & Sand block - Minimum Strength 3.5 MPa	240	No		
	Sand	2	M ³		
	Cement -50kgs (42.5)	5	Bags		
3	<u>Moram, Hardcore & Site sterilization</u>				
	Moram (4.5m ³ lorry)	1	Trips		
	Hardcore (4.5m ³ lorry)	1	Trips		
	Sand	2	M ³		
	Adrian 0.5% solution or equal 250mls	1	Bottle		
4	<u>Oversite Concrete (100mm thick - 20 grade) & Ground Beam - 20 grade, columns and Ramp</u>				
	DPM	28	M ²		
	Cement -50kgs (42.5)	12	Bags		
	Aggregates (1/2")	3	M ³		
	Sand	2	M ³		
	Reinforcement - 12mm diameter high tensile	9	PC'S		
	Reinforcement - 8mm diameter	8	PC'S		
	Binding Wire	3	Kg		
	A252 Mesh 200 x200x6.16kg/m2	1	PC'S		
	Timber 1" X 10 " (3.6m long)	6	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	<u>Walls & Ring beam & Columns</u>				
	6" Cement & Sand block - Minimum Strength 3.5 N	531	No		
	Cement & Sand Perforated blocks	0	No		
	DPC 25m long x 1m wide)	7	M		
	Sand	4	M ³		
	Cement-50kgs (42.5)	11	Bags		
	Aggregates (1/2")	1	M ³		
	Reinforcement - 12mm diameter high tensile	5	PC'S		
	Reinforcement - 8mm diameter	2	PC'S		
	Binding Wire	2	kg		
	A252 Mesh 200 x200x6.16kg	0	PC'S		
	Timber 1" X 10" to Sides (3.6m long)	4	PC'S		
	Timber 1" X 6" (Plates)	1	PC'S		
	Timber 2" X 2"	2	PC'S		
	Supporting Props	3	PC'S		
	20mm styropol comprehensive materials	0	PC'S		
	SUB-TOTAL SUPER STRUCTURE				
C.	ROOF STRUCTURE & COVERING				
1	<u>Roof Structure - Provisional (3.6m long)</u>				
	Timber 2 " X 3" Purlins	5	PC'S		
	Timber 2" X 4" Wall plate,Rafter	6	PC'S		
	Fascia board 1" X 8"	4	PC'S		
	Nails -5"	3	Kgs		
	Nails -4"	3	Kgs		
	Nails -3"	1	Kgs		
	NOTE: The above softwood timber structure should be pressure impregnated treated				
2	<u>Roof Covering</u>				
	28G IT5 resincoated sheet 3m long	7	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 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	<u>40mm thick hardwood (mninga) or equal and approved paneled door shutter</u>				
	920 x 2100mm high	1	PC'S		
	720 x 2100mm high	4	PC'S		
2	<u>45 X 145mm Frames (hardwood),Varnish, Glass & Burglar bar</u>				
	1000 x 2100 mm high frame	1	PC'S		
	800 x 2100 mm high frame	4	PC'S		
	Brush 3"	1	Pcs		
	Sand paper (msasa) No.80	1	LM		
	Clear Varnish - 4Litres	1	TIN		
	Thinner for Varnish -4Litres	1	Litres		
	Door grill with 38mm x 4mm flat bars, 25mm x 25mm square pipespainted with red oxide				
	1000 x 1500mm high	1	No		
3	<u>IronMongeries - ref Union</u>				
	Barrel bolt with pad lock	5	No		
	Flush bolt	5	No		
	Brass hinges - 100mm	8	Pairs		
	SUB-TOTAL FOR DOORS				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
	SOAK AWAY PIT				
	<u>MATERIALS</u>				
1	<u>Strip Foundation - Grade 15 Plain</u>				
	Aggregate (3/4")	3	M ³		
	Sand	2	M ³		
	Cement-50kgs	15	Bags		
2	<u>230mm thick Walls</u>				
	6" Cement & Sand block - Minimum Strength 3.5 MPa	1,300	No		
	Sand	4	M ³		
	Cement -50kgs	22	Bags		
	Hardcore 230mm thick (4.5m ³ lorry)	2	Trips		
4	<u>150mm thick Suspended Concrete slab & ground beam- 20 grade</u>				
	Cement -50kgs	35	Bags		
	Aggregates (1/2")	4	M ³		
	Sand	2	M ³		
	Reinforcement - 12mm diameter high tensile	10	PC'S		
	Reinforcement - 8mm diameter high tensile	10	PC'S		
	Reinforcement - 10mm diameter high tensile	40	PC'S		
	Binding Wire - 1kg	5	Kgs		
	Timber 1" X 10 " (3.6m long)	8	PC'S		
	Marine board	4	PC'S		
	Timber 2" X 2"	3	PC'S		
	Supporting props	10	PC'S		
	Nails-4"	3	Kgs		
	Nails-3"	3	Kgs		
	Pre Cast concrete chamber 600 x 600mm	2	PCS		
	TOTAL SOAK AWAY PIT				
L	<u>Steel handrails to ramp</u>				
	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				

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MINISTRY OF EDUCATION SCIENCE AND TECHNOLOGY

IN COLLABORATIONS WITH

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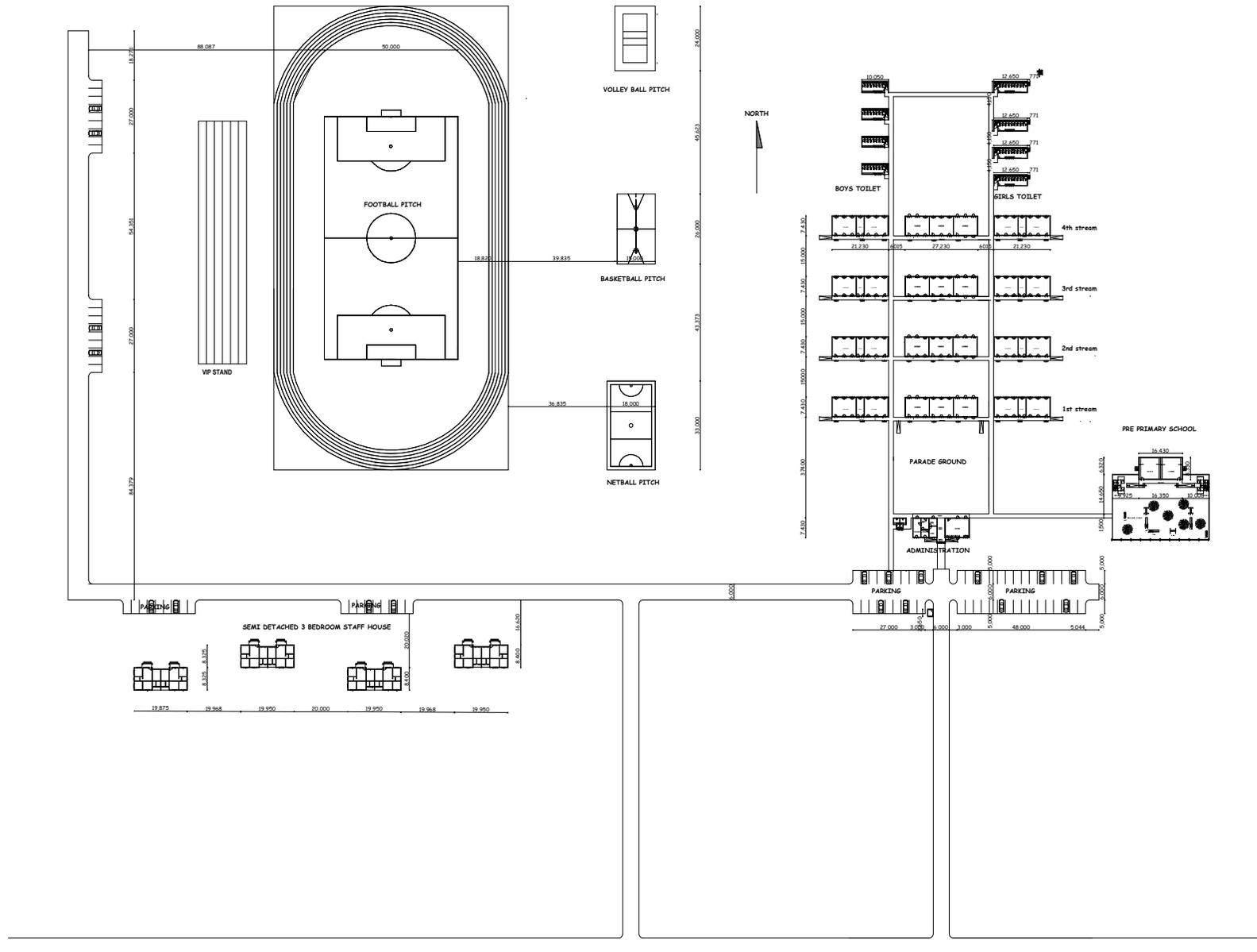
PROVISION OF PHYSICAL FACILITIES IN PRIMARY SCHOOLS

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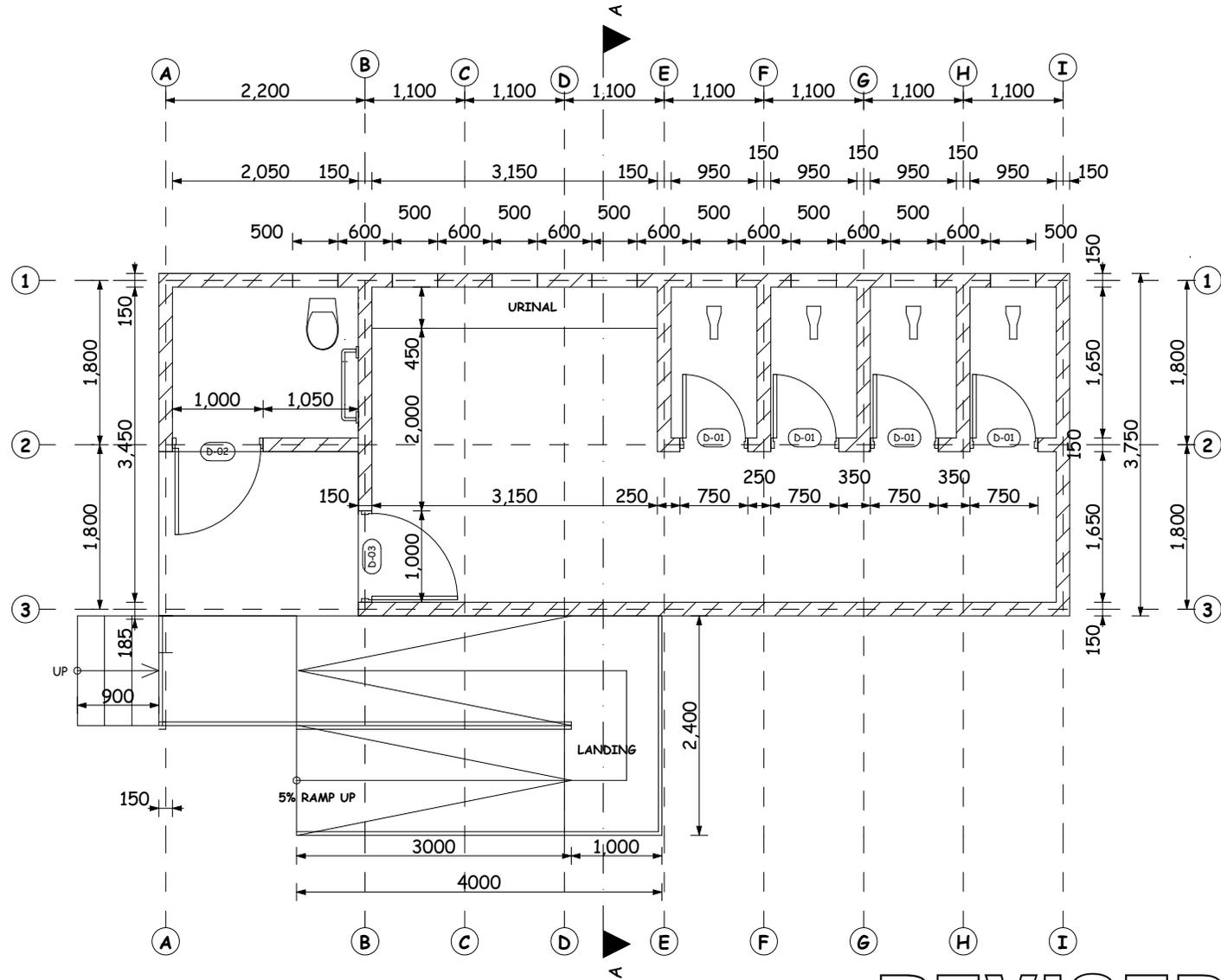
JANUARY, 2023

ARCHITECTURAL DRAWINGS

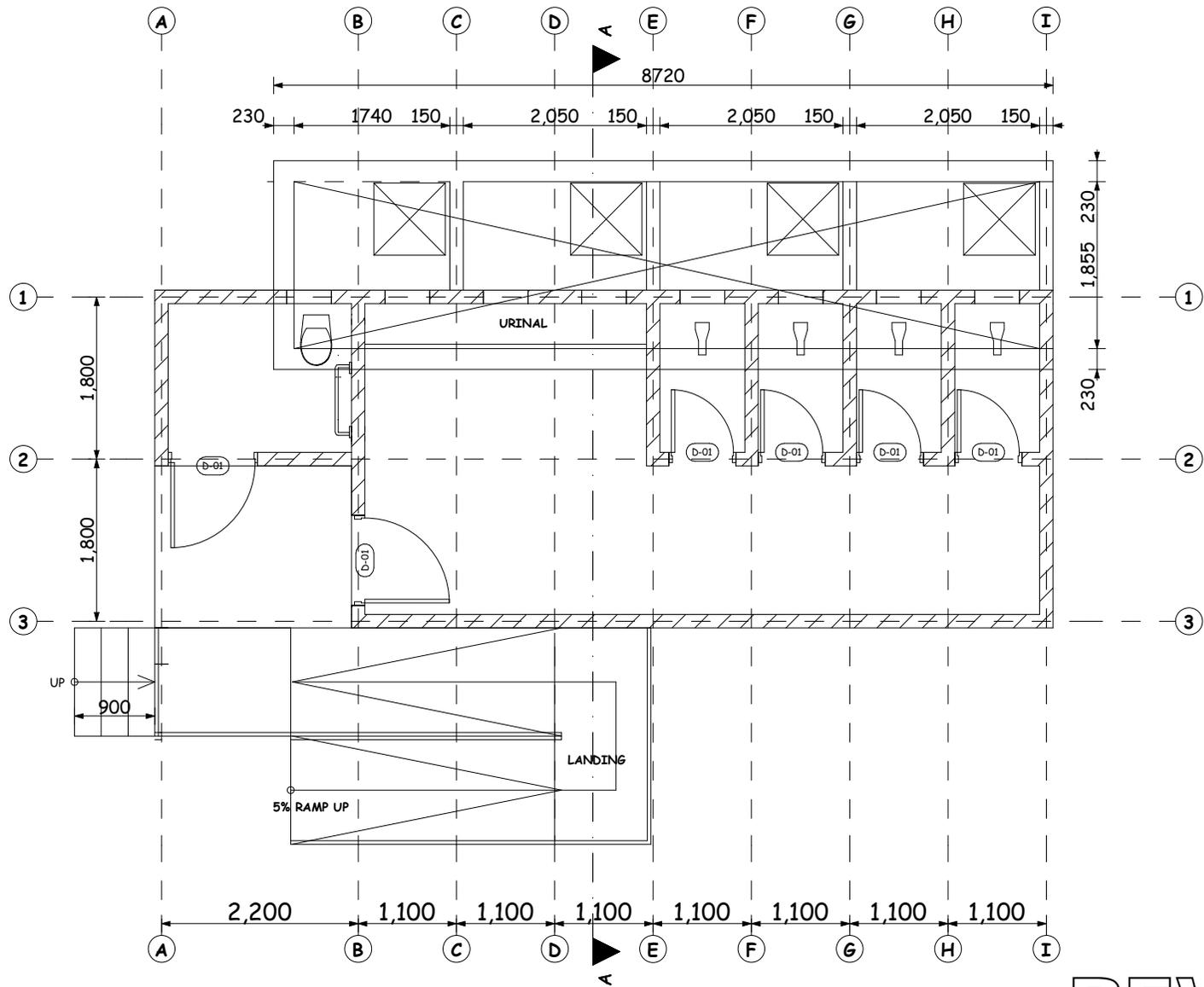


TOILET BLOCKS - DRY AREA
100 BOYS (4 STANCES) WITH FACILITY FOR DISABLED

WINDOW OPENING		
WINDOW TYPE	HEIGHT X WIDTH	QUANTITY
	750 X 500	08
DOOR SCHEDULE		
DOOR TYPE	HEIGHT X WIDTH	QUANTITY
D-01	2100 X 750	04
D-02	2100 X 1000	01
D-03	2100 X 900	01

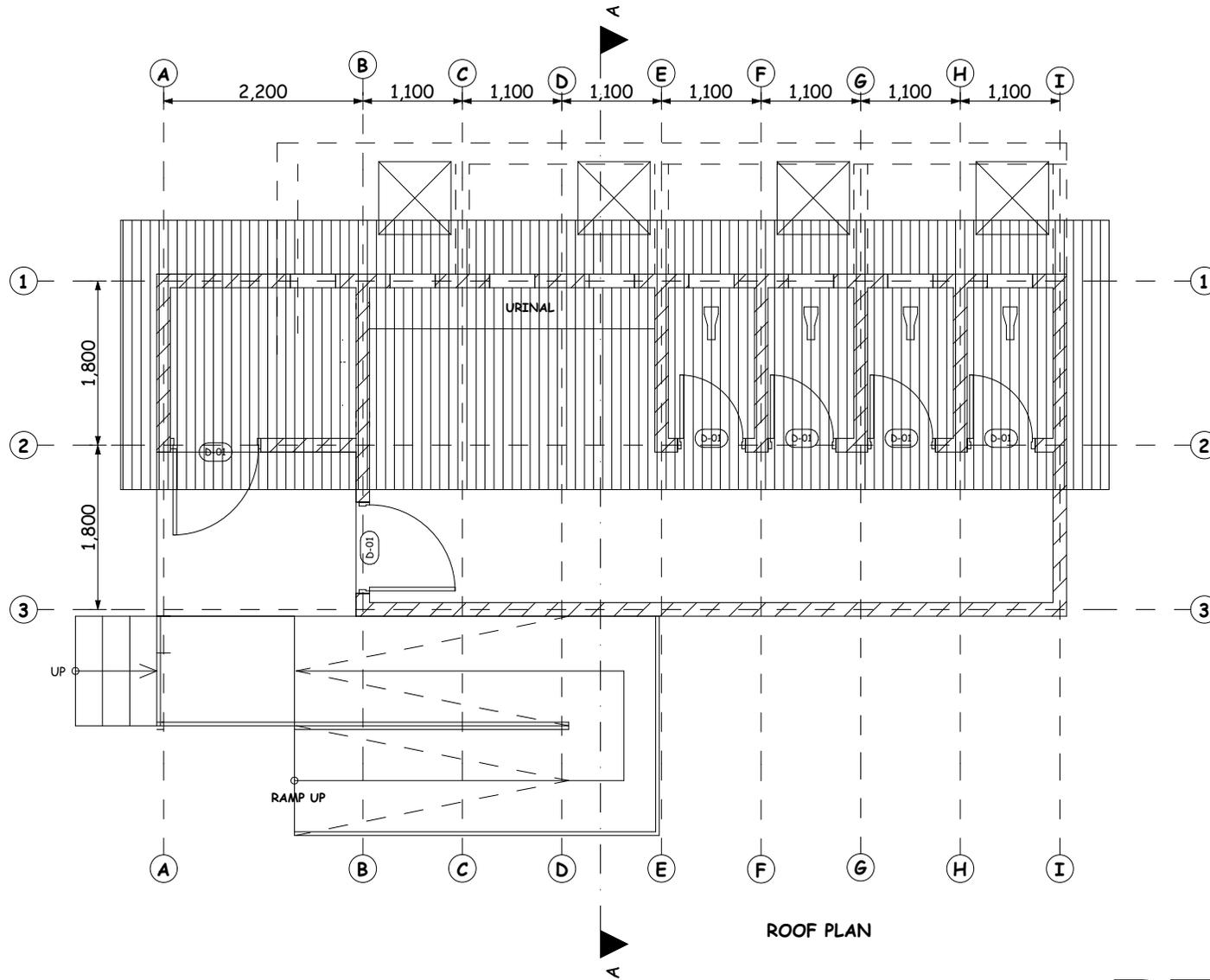


REVISED 1



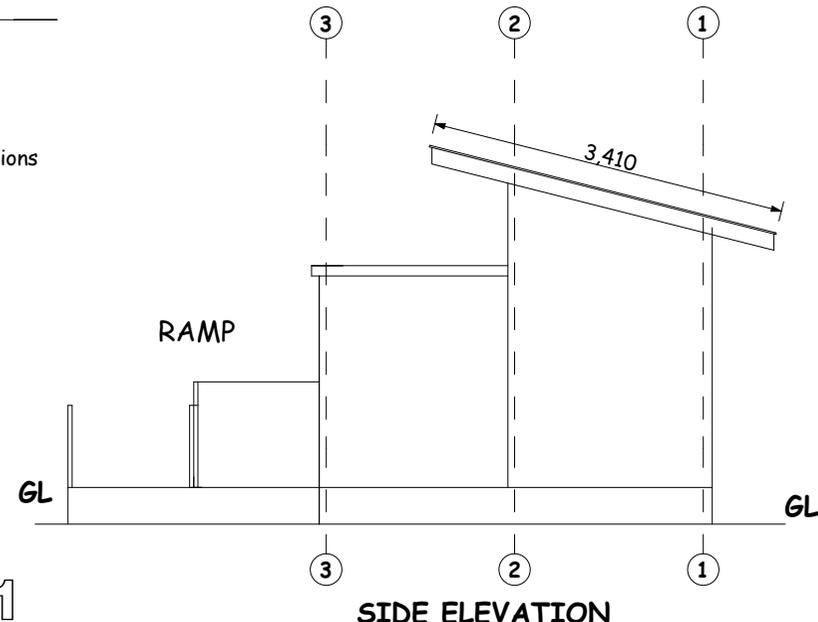
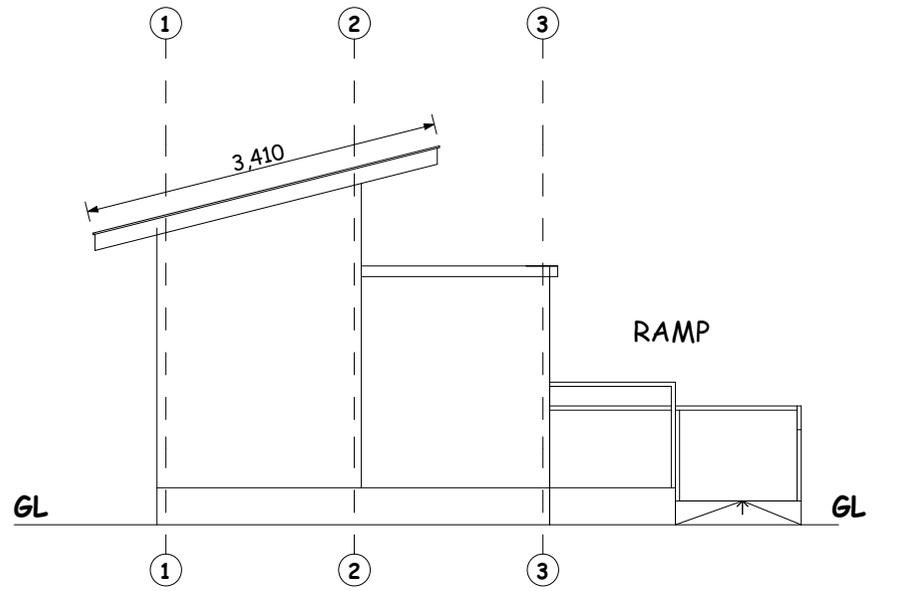
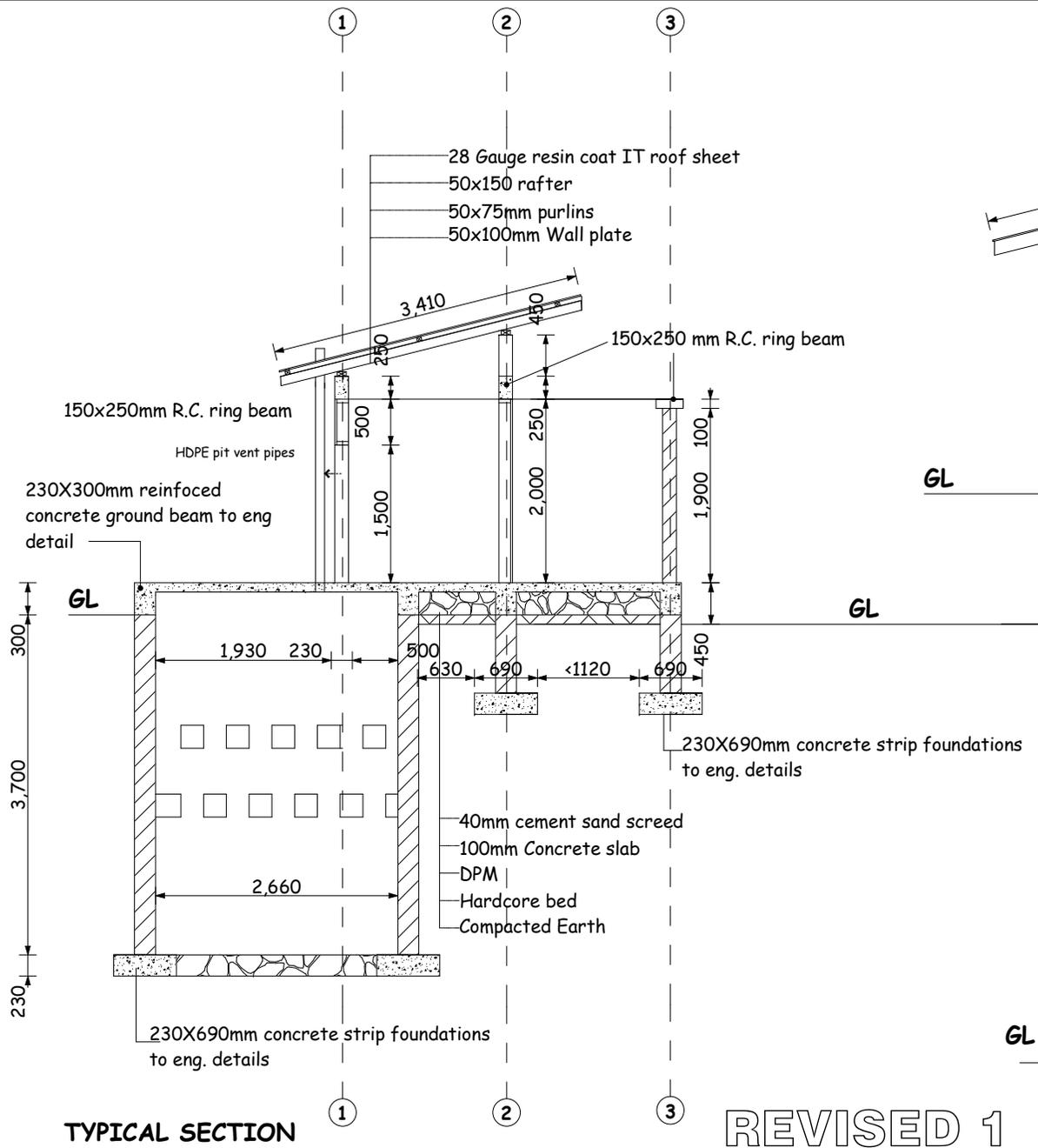
PIT TANK LOCATION LAYOUT

REVISED 1



ROOF PLAN

REVISED 1



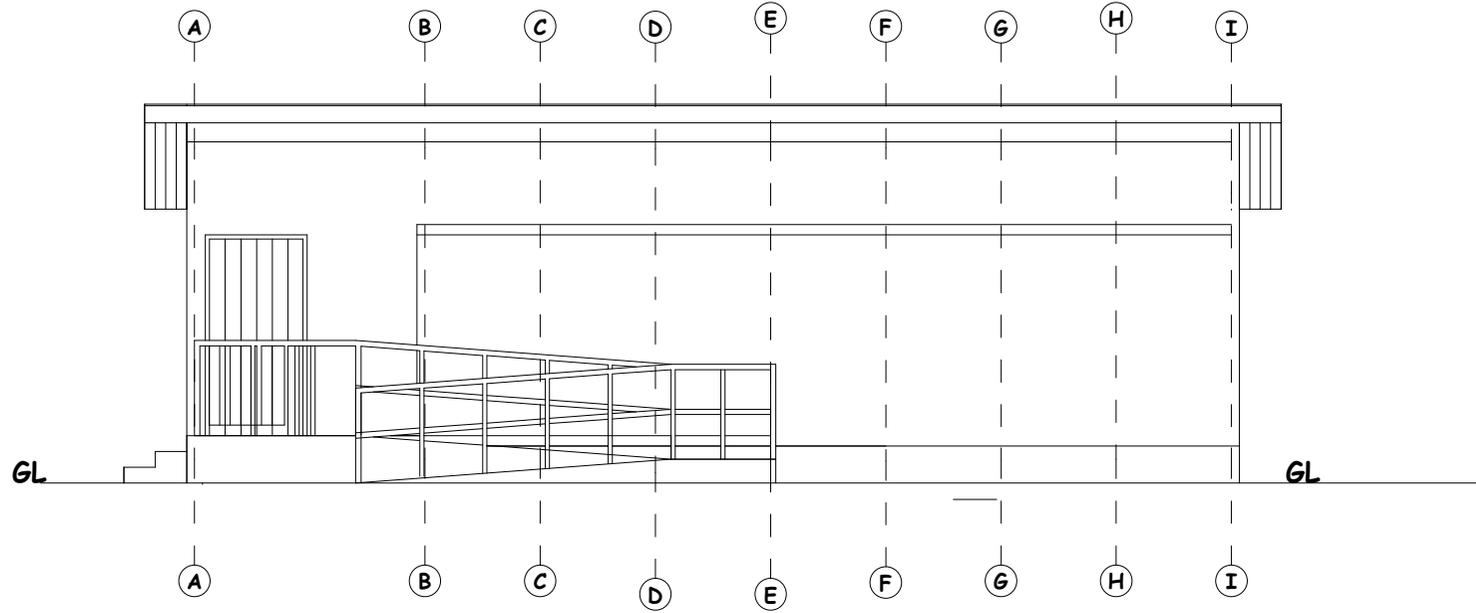
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PROVISION OF PHYSICAL FACILITIES IN PRIMARY SCHOOLS

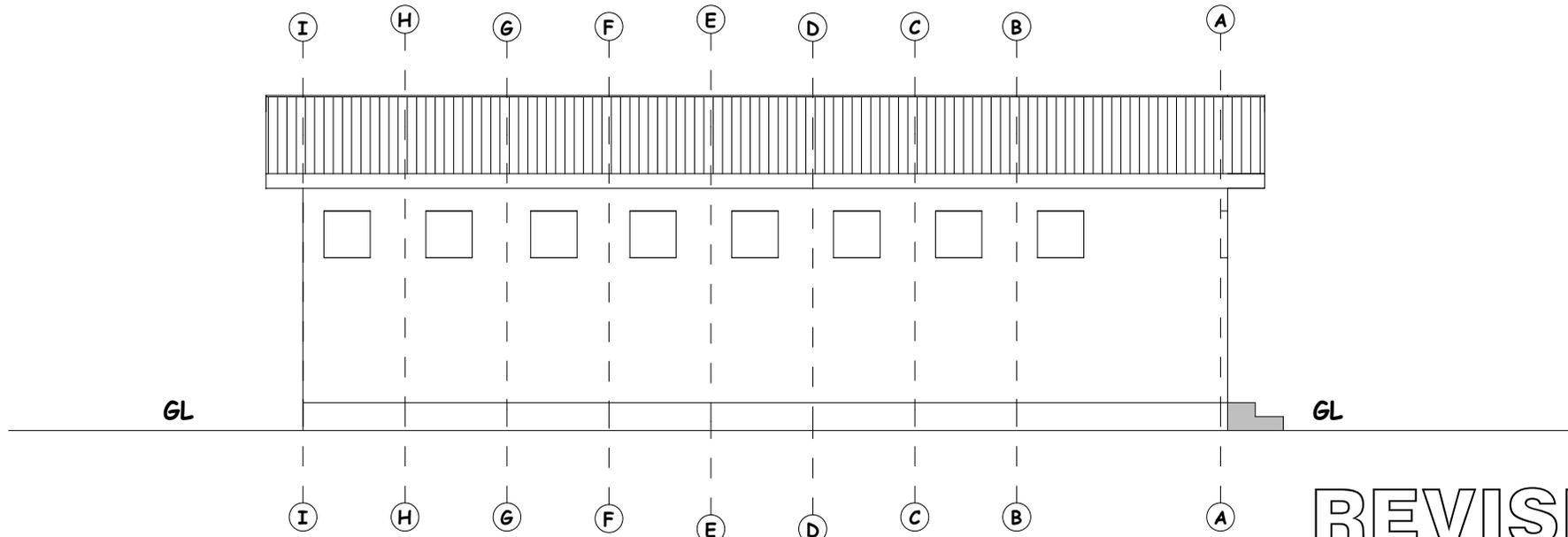
DRAWING TITLE
 TOILET FOR 100 BOYS WITH FACILITY FOR DISABLED
 DRY AREA - TYPICAL SECTION & SIDE ELEVATIONS
 DRAWING NO. BP/ARC/TLT-DB100/05

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

TYPICAL SECTION



FRONT ELEVATION



REAR ELEVATION

REVISED 1

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PROVISION OF PHYSICAL FACILITIES IN PRIMARY SCHOOLS

DRAWING TITLE
 TOILET FOR 100 BOYS WITH FACILITY FOR DISABLED
 DRY AREA - ELEVATIONS

DRAWING NO. BP/ARC/TLT-DB100/04

DRAWN BY G.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

Notes

1. Pipe dimensions are in mm internal diameter (DN).
2. All internal water supply pipes and riser shall be embedded 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 should be incased in 150mm concrete surrounding
6. Manhole cover and Gully trap covers in walking areas to be air tight and their top finishing to match with their surroundings otherwise manhole 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 exceed 1:100
9. Slopes of storm water drainage should not exceed 1%
10. All work to be carried out in accordance with all relevant acts, regulators, statutory authority requirements and best practices
11. All relevant details, level dimensions must be checked onsite. Any discrepancies 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

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

NOTE

All ppr-pipes exposed to sunlight should be insulated

NOTE

ALL DIMENSIONS ARE IN MILLIMETRES
ALL PIPE DIAMETERS ARE EXTERNAL DIAMETERS

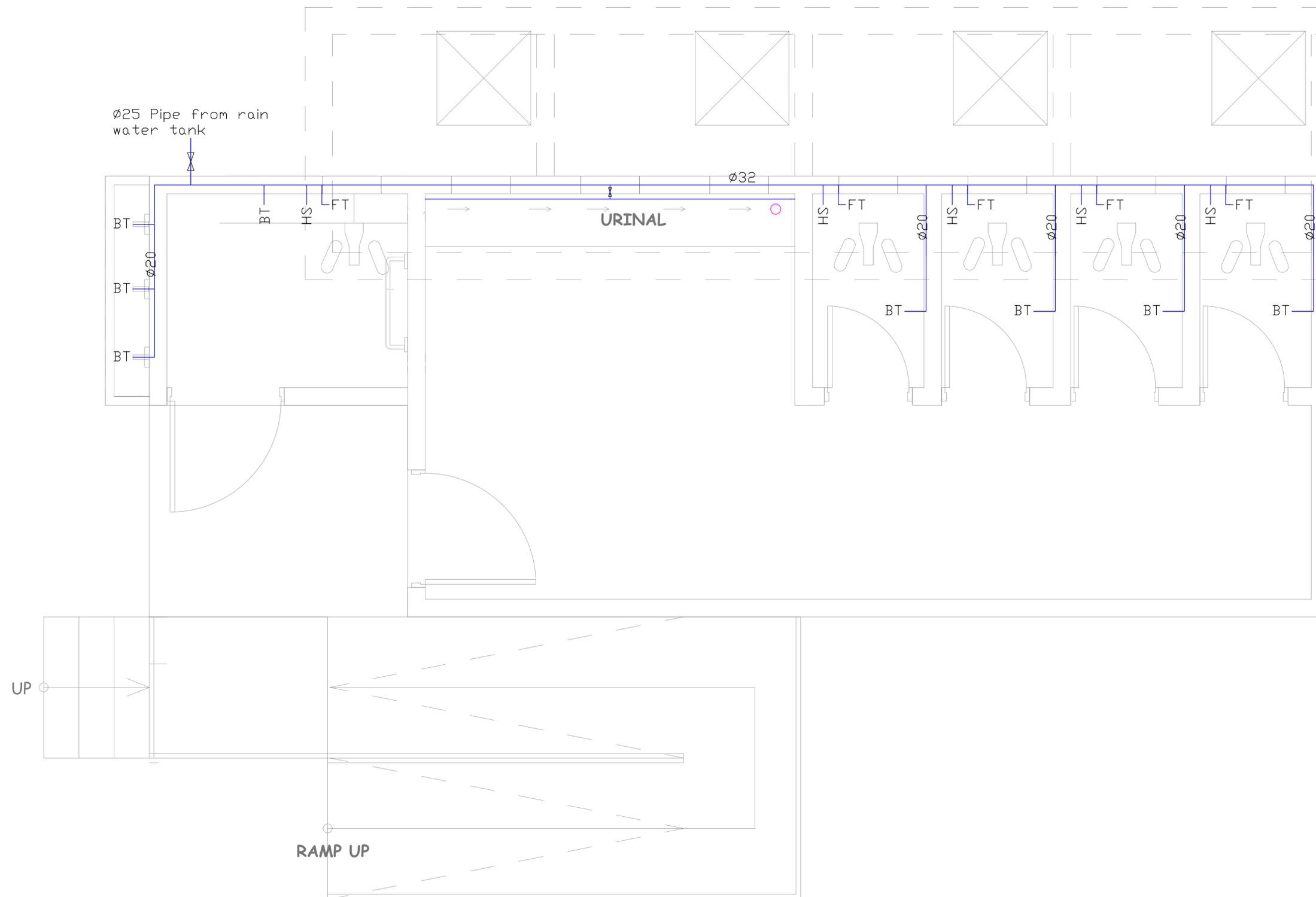
- HWB- hand wash basin
- HB- Hose Bib
- WC- Water closet
- UR- Urinals
- HS- Handspray
- SHW- Shower tray
- WH- Electric water heater
- GT- Gully trap
- IC- Inspection chamber
- IL- Invert level
- FD- Floor drain
- VP- Vent pipe
- CWP- Cold water provision
- WWP- Waste water provision

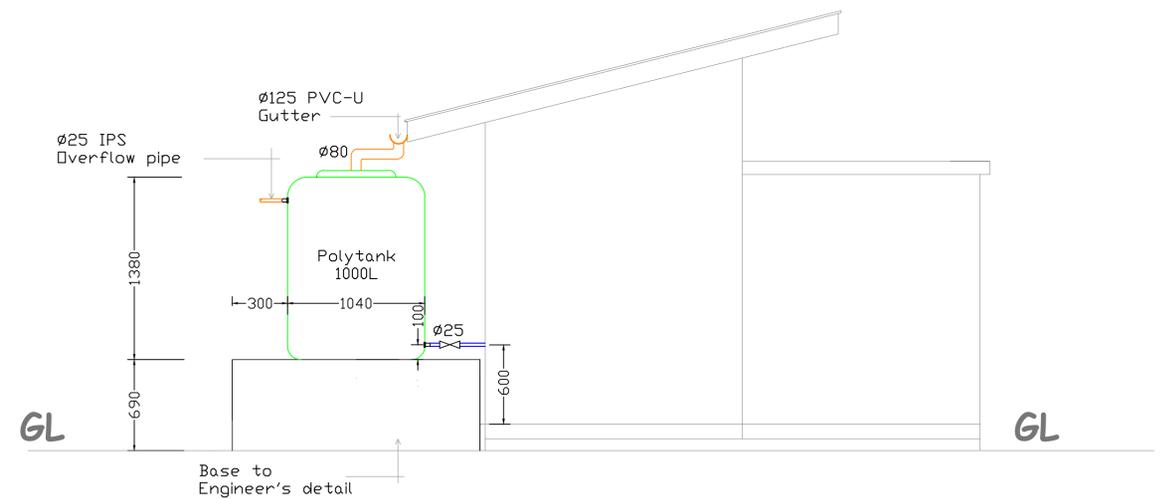
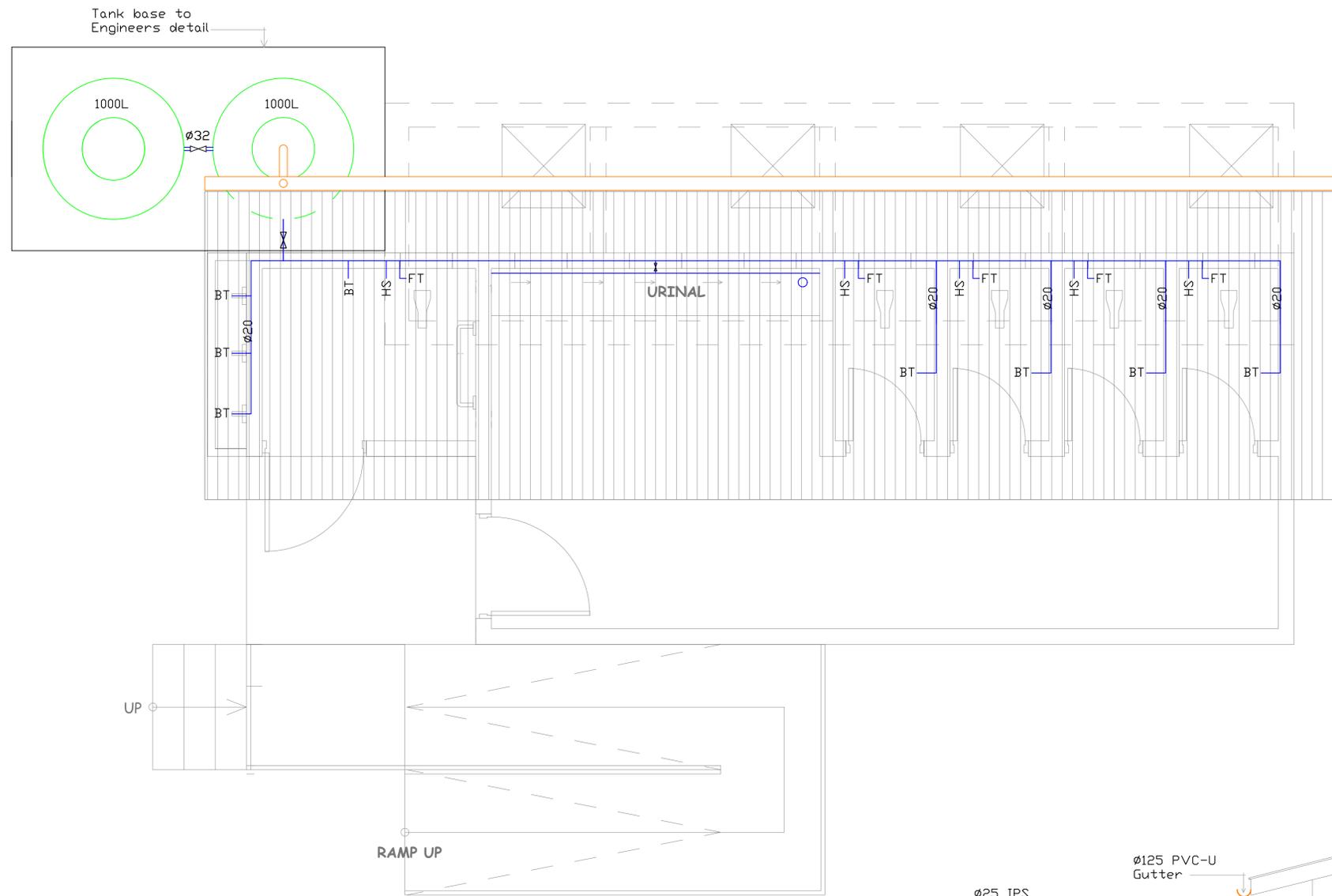
NOTE:

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

NOTE:

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





STRUCTURAL DRAWINGS

FOR

**TOILET BLOCK - DRY AREA
100 BOYS (4 STANCES) WITH FACILITY FOR DISABLED**

NOTE:

- All dimensions are in millimetres unless otherwise 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 where by $f_y = 460N/mm^2$.
- 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".
- Clear cover for reinforcement shall be as follows:
 - Slabs25mm
 - Beams25mm
 - Columns25mm
 - Footings.....50mm
- All concrete work to be done in one operation.
- All steel fixing, shuttering and concreting works to be done under close supervision of Structural Engineer.
- Sand borrow pits shall be clean and free from organic materials and shall be approved by Structural Engineers before use.
- Minimum Compressive Strength for Blocks shall be 3.5N/mm².

PROJECT:
PROVISION OF PHYSICAL FACILITIES IN PRIMARY SCHOOLS

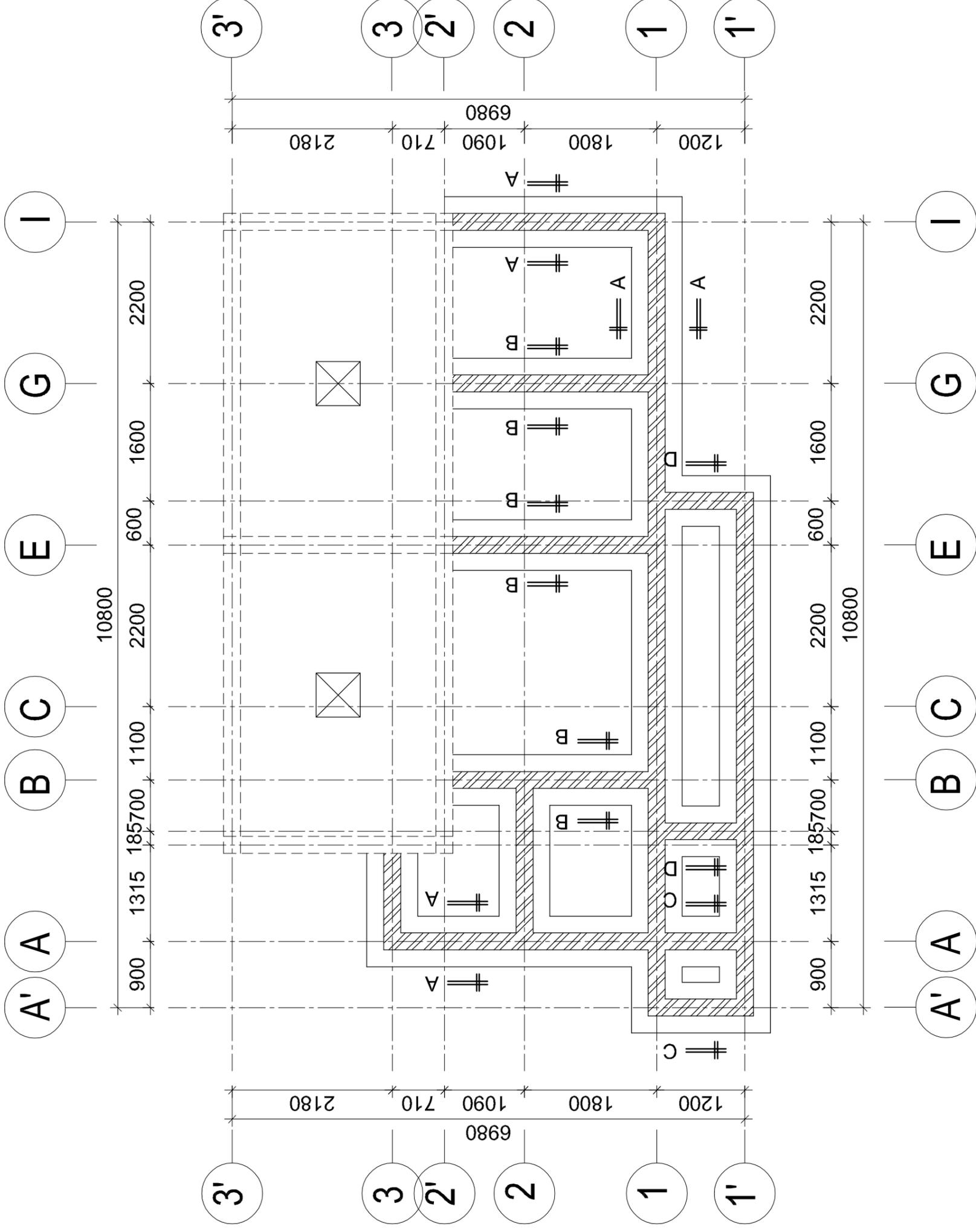
MINISTRY OF EDUCATION,
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REGIONAL ADMINISTRATION AND
LOCAL GOVERNMENT.

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

DRAWING TITLE:
TOILET FOR 100 BOYS WITH
FACILITY FOR DISABLED DRY AREA
FOUNDATION LAYOUT PLAN
(REVISED -1)

DRAWING USE:
For Building permit:
For Construction:

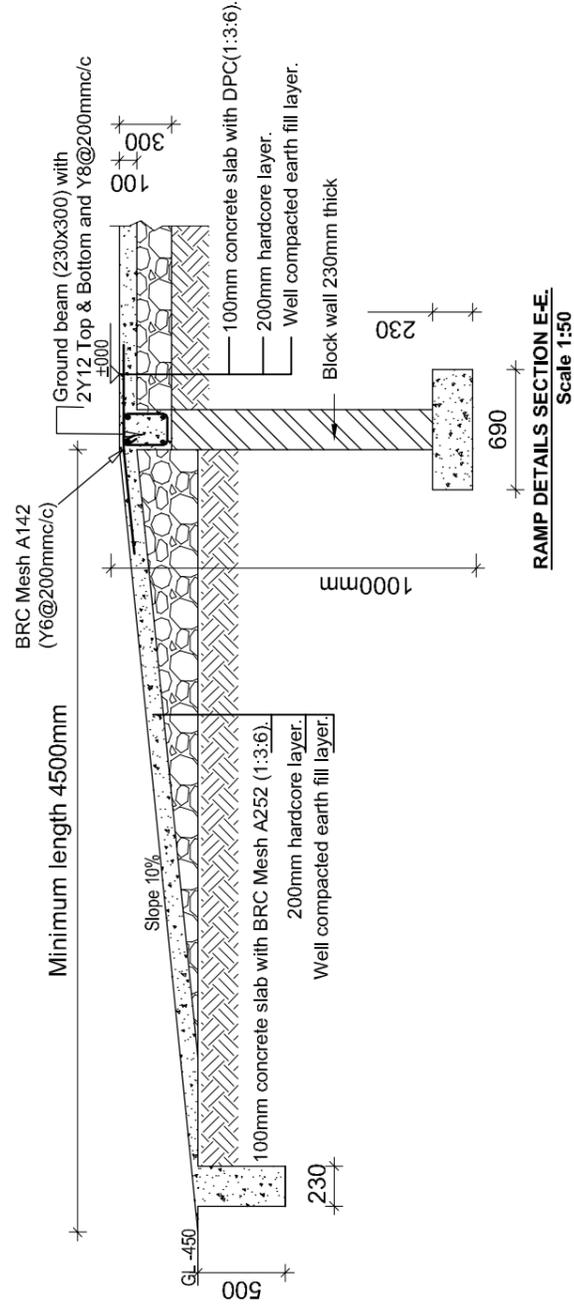
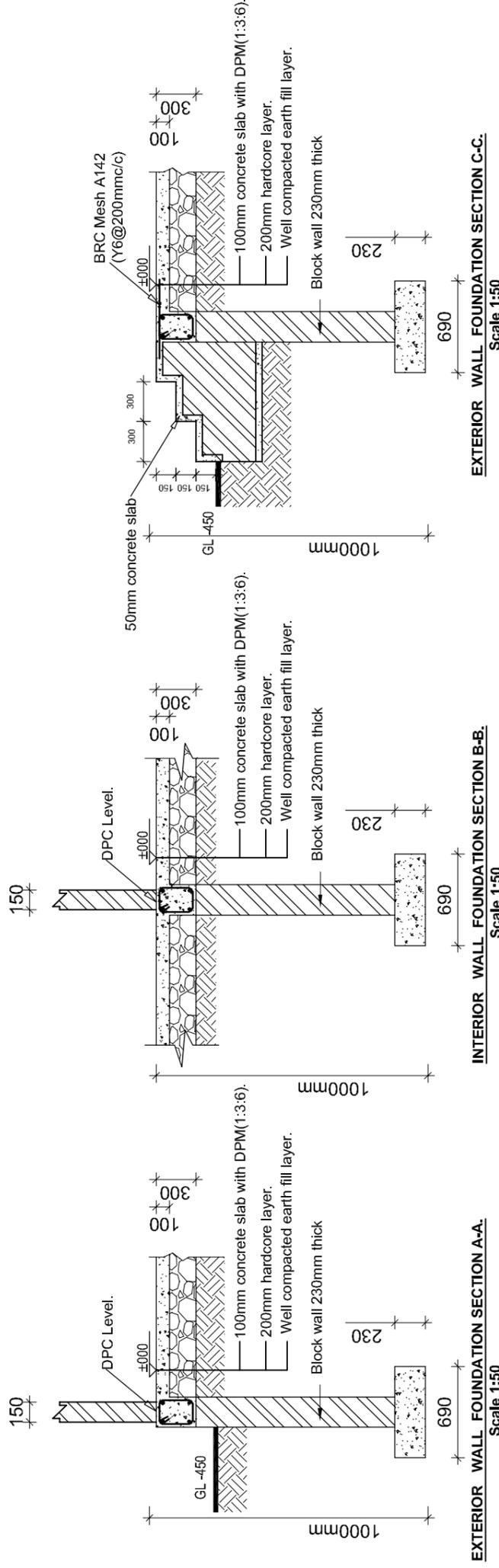
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Date: 2022
Drawing No:STR.CR
Scale: Sheet: 01/09



FOUNDATION LAYOUT PLAN
Scale 1:100

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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 100 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

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Designed by: Eng. J.M.S

Checked by: Eng. N.T.B

Approved by:

DRAWING TITLE:

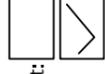
TOILET FOR 100 BOYS WITH
FACILITY FOR DISABLED DRY AREA

PLINTH BEAMS DETAILS
(REVISED -1)

DRAWING USE:

For Building permit:

For Construction:



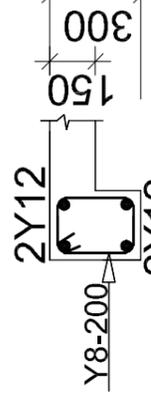
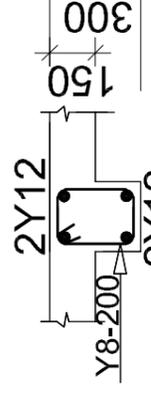
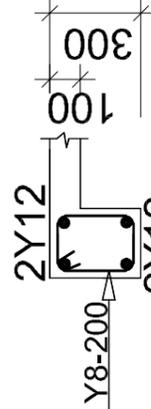
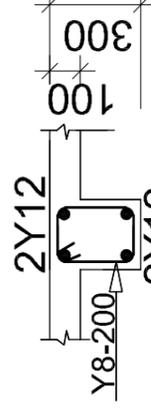
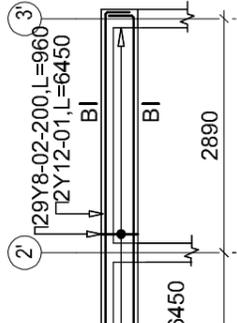
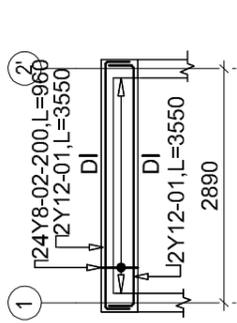
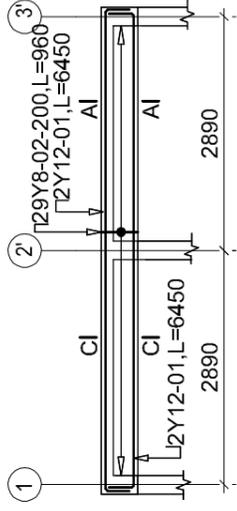
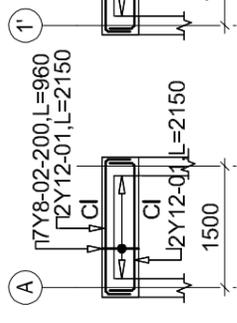
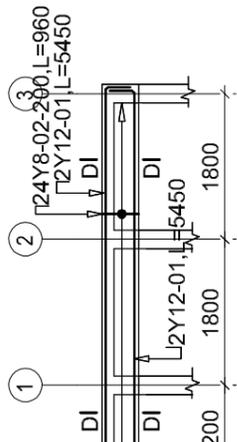
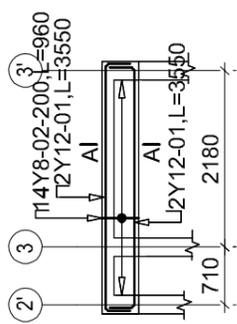
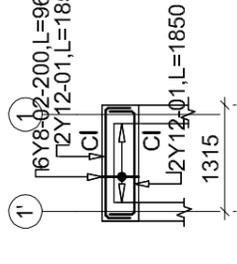
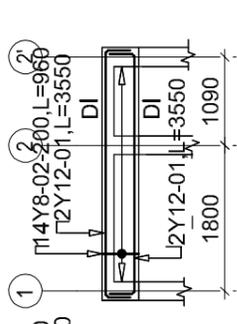
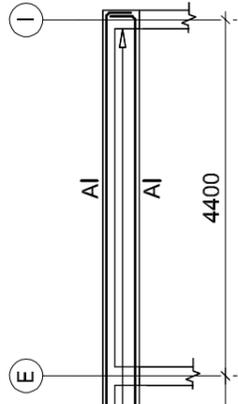
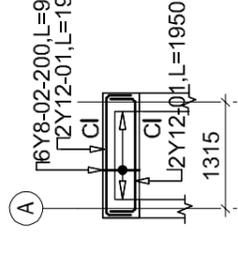
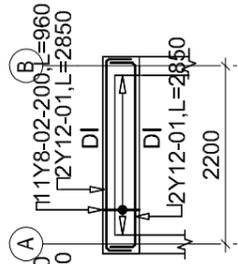
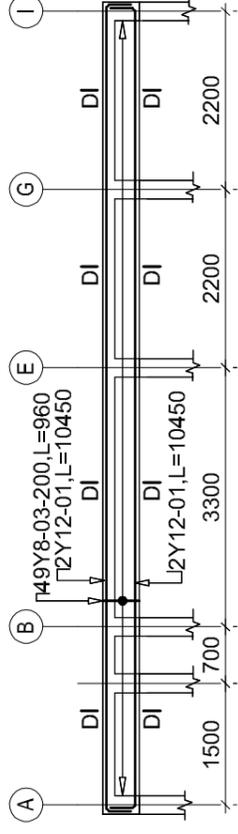
Drawn by: J.M.S

Date: 2022

Scale:

Drawing No:STR.CR

Sheet: 04/09



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1. All dimensions are in millimetres unless otherwise 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. 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:
 - Slabs25mm
 - Beams25mm
 - Columns25mm
 - Footings50mm
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

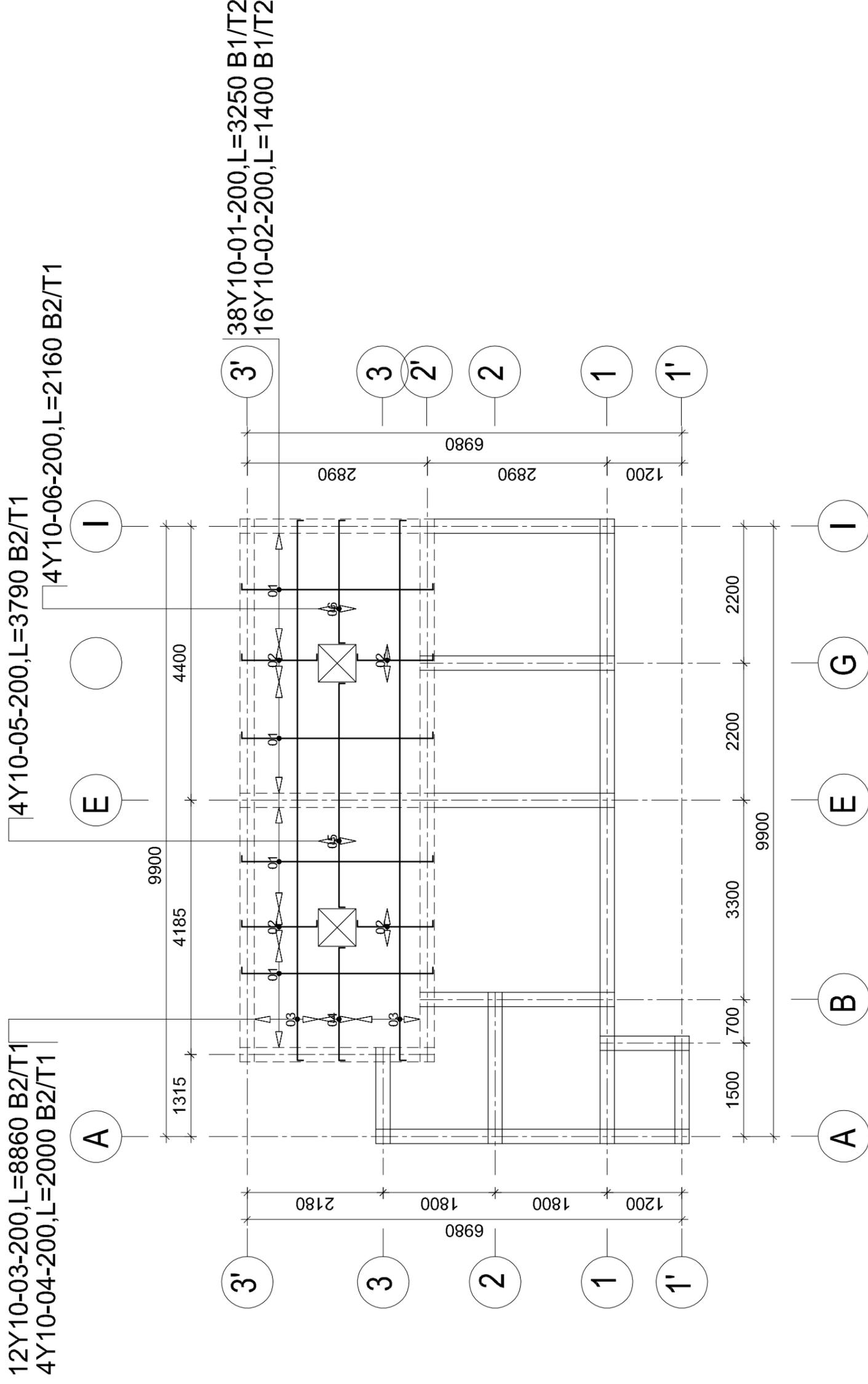
MINISTRY OF EDUCATION,
SCIENCE AND TECHNOLOGY
IN COLLABORATION WITH
PRESIDENT'S OFFICE
REGIONAL ADMINISTRATION AND
LOCAL GOVERNMENT.

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

DRAWING TITLE:
TOILET FOR 100 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



SLABS REINFORCEMENTS DETAILS
Scale 1:100

NOTE:

- All dimensions are in millimetres unless otherwise 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"
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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 100 BOYS WITH
FACILITY FOR DISABLED DRY AREA

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

DRAWING USE:

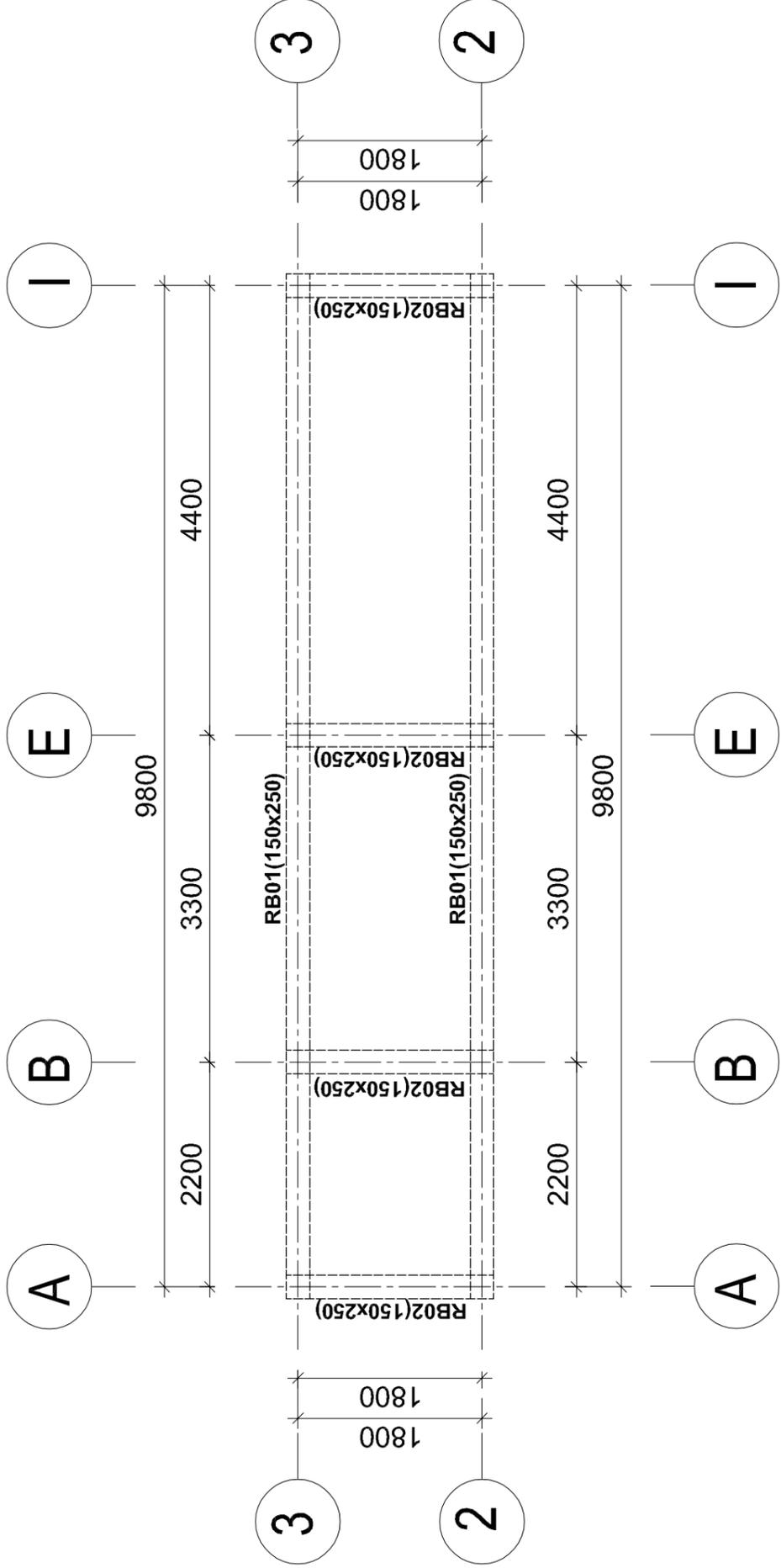
For Building permit:

For Construction:

Drawn by: J.M.S

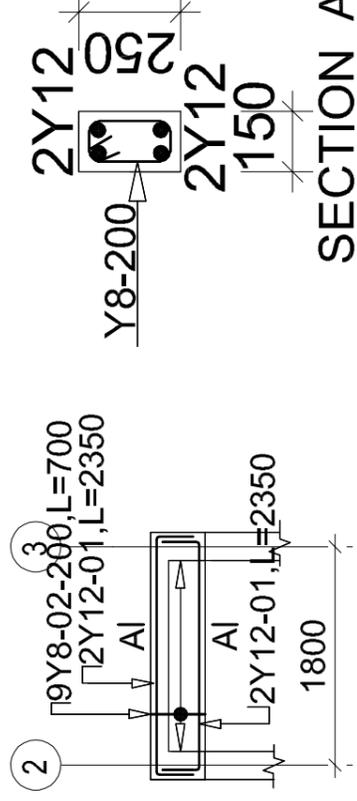
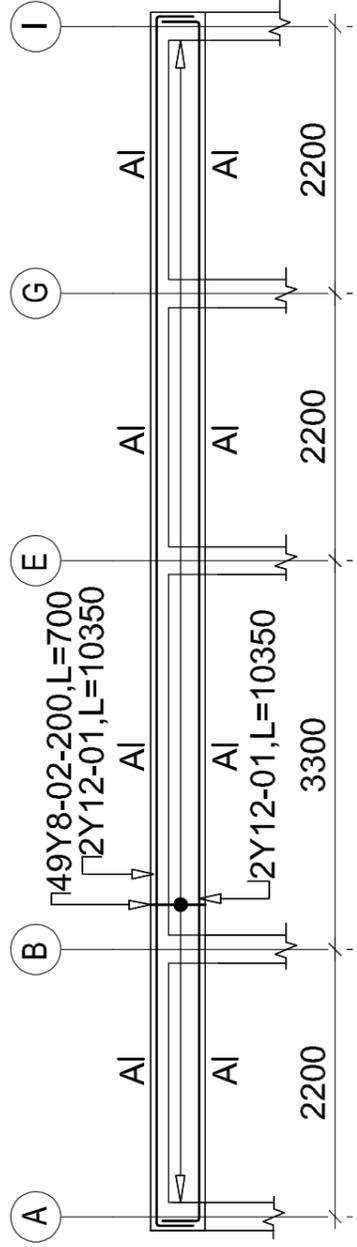
Date: 2022 Scale:

Drawing No:STR.CR Sheet: 06/09



ROOF RING BEAMS LAYOUT PLAN

Scale 1:100



NOTE:

1. All dimensions are in millimetres unless otherwise 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 where by $f_y = 460N/mm^2$.
5. 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.
7. Cement for works shall comply with BS12 and shall be "Ordinary Portland Cement".
Clear cover for reinforcement shall be as follows:
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 - Beams25mm
 - Columns25mm
 - Footings.....50mm
7. All concrete work to be done in one operation.
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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

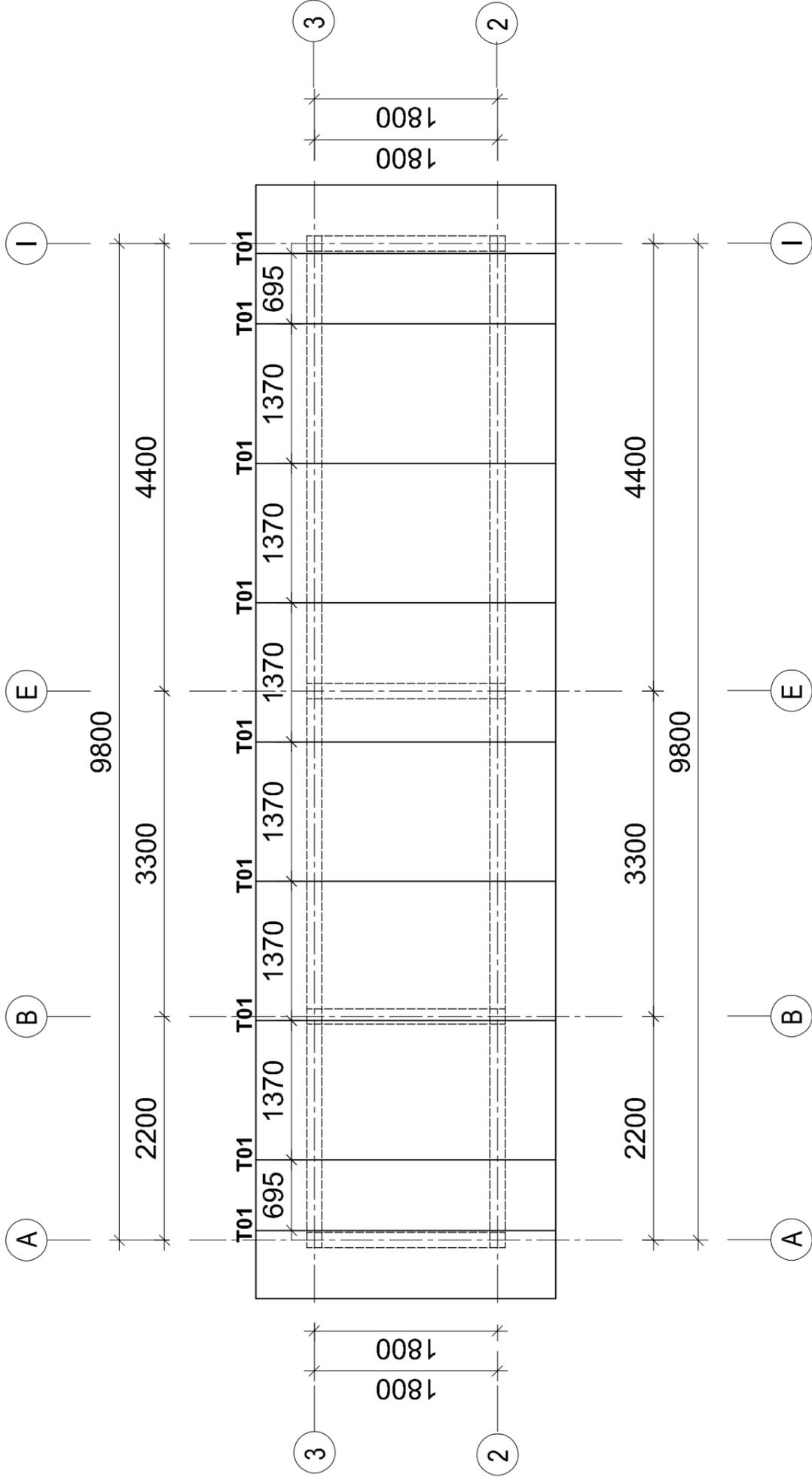
PRESIDENT'S OFFICE
REGIONAL ADMINISTRATION AND
LOCAL GOVERNMENT.

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

DRAWING TITLE:
TOILET FOR 100 BOYS WITH
FACILITY FOR DISABLED DRY AREA
ROOF TRUSS LAYOUT PLAN
AND DETAILS
(REVISED -1)

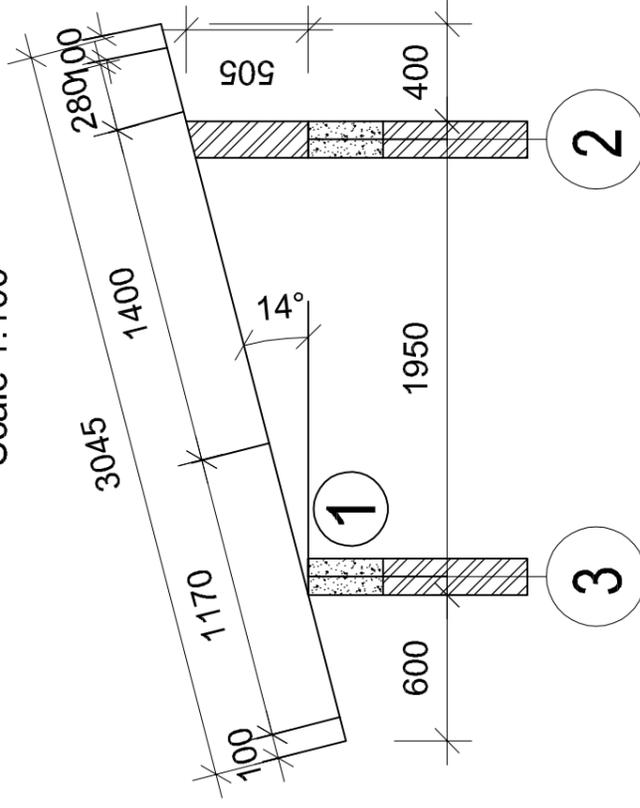
DRAWING USE:
For Building permit:
For Construction:

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



ROOF TRUSS LAYOUT PLAN

Scale 1:100



ROOF TRUSS T01; 9Nos.

Scale 1:100

NOTE:

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

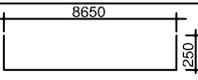
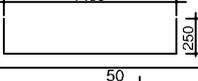
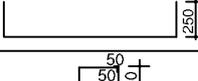
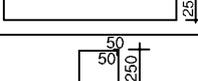
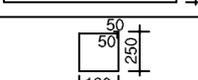
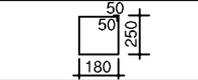
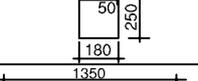
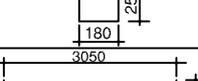
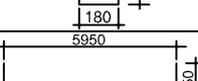
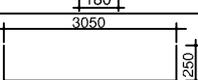
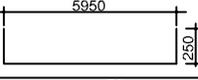
DRAWING TITLE:
TOILET FOR 100 BOYS WITH
FACILITY FOR DISABLED DRY AREA
BAR BENDING SCHEDULES FOR
PLINTH AND ROOF RING BEAMS
(REVISED -1)

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										NOTE
PROVISION OF PHYSICAL FACILITIES FOR PRIMARY SCHOOLS - TOILET FOR 100 BOYS WITH FACILITY FOR DISABLED - DRY AREA (SLAB AND ROOF 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)			
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				
SLAB	1	01	Y10	3250	76	247				
SLAB	1	02	Y10	1400	32	44.8				
SLAB	1	03	Y10	8860	24	212.64				
SLAB	1	04	Y10	2000	8	16				
SLAB	1	05	Y10	3790	8	30.32				
SLAB	1	06	Y10	2160	8	17.28				

Bar Bending Schedule										NOTE
PROVISION OF PHYSICAL FACILITIES FOR PRIMARY SCHOOLS - TOILET FOR 100 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)			
PLINTH BEAM PB01	2	01	Y12	9150	8	73.2				
PLINTH BEAM PB01	2	02	Y8	960	84	80.64				
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	10450	4	41.8				
PLINTH BEAM PB04	1	02	Y8	960	49	47.04				
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				
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	6450	4	25.8				
PLINTH BEAM PB12	1	02	Y8	960	29	27.84				

Page 1/2	Bar Bending Schedule							
	PROVISION OF PHYSICAL FACILITIES FOR PRIMARY SCHOOLS - TOILET FOR 100 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	9150	8	73.2		
PLINTH BEAM PB01	2	02	Y8	960	84	80.64		
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	10450	4	41.8		
PLINTH BEAM PB04	1	02	Y8	960	49	47.04		
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		
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	6450	4	25.8		
PLINTH BEAM PB12	1	02	Y8	960	29	27.84		

