

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 Staff House

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 I)

PO-RALG

Schedule of Material

ITEM	DESCRIPTION	UNIT	QTY	PRICE-TZS	AMOUNT
A	SUBSTRUCTURE;				
1	Strip foundation Plain insitu Concrete " grade 15"				
	Sand (4.5m3 lorry)	M3	15		
	Aggregate (3/4")	M3	18		
	Cement-50kgs (42.5)	Bag	99		
2	<u>Foundation Walls</u>				
	Sand	M3	14		
	6" Cement & Sand block - Minimum Strength 3.5 MPa	PCS	2324		
	Cement-50kgs (42.5)	Bag	47		
3	<u>Moram, Hardcore & Site sterilization</u>				
	Moram average depth 150mm	Trip	5		
	Sand blinding	M ³	5		
	Hardcore 200mm thick (4.5m3 lorry)	Trip	8		
	Adrian 0.5% solution or equal 1000mls	Bottle	2		
	DPM	M2	175		
4	Plinth Beam grade "20" 8m3				
	Aggregate (3/4")	M3	7		
	Sand	M3	5		
	Cement-50kgs (42.5)	Bag	44		
	Reinforcement - 8mm diameter for ring beam	PCS	60		
	Reinforcement - 12mm diameter high tensile ring beam	PCS	50		
	Binding Wire - 25kg	Kg	20		
	A252 Mesh 200 x200x6.16kg/m2	PC'S	0		
	20mm styropol comprehensive materials	PC'S	0		
	Timber 1" X 10 " (5.2m long)	PC'S	13		
	Timber 2" X 2"	PC'S	10		
	Nails-4"	Kgs	8		
	Nails-3"	Kgs	6		
	Supporting props	PC'S	10		
5	Grade 15 oversite concrete 100mm.				
	Sand	M3	10		
	Aggregate (3/4")	M3	15		
	Cement(42.5)	Bag	80		
	SUB-TOTAL SUBSTRUCTURE				

ITEM	DESCRIPTION	UNIT	QTY	PRICE-TZS	AMOUNT
B	SUPERSTRUCTURE				
1	<u>Walls & Ring beam & Columns</u>				
	6" Cement & Sand block - Minimum Strength 3.5 MPa	No	3,600		
	DPC (25m long x 1m high)	Roll	2		
	Sand	M ³	28		
	Cement-50kgs (42.5)	Bags	100		
	Aggregates (1/2")	M ³	6		
	Reinforcement - 12mm diameter high tensile	PC'S	52		
	Reinforcement - 8mm diameter	PC'S	62		
	Binding Wire	Kgs	20		
	Timber 1" X 10" to Sides (5.2m long)	PC'S	25		
	Timber 1" X 6" (Plates)	PC'S	4		
	Timber 2" X 2"	PC'S	15		
	Supporting Props	PC'S	25		
	Mixed Nails	Kgs	20		
	SUB-TOTAL SUPER STRUCTURE				
C	ROOF STRUCTURE & COVERING				
1	<u>Roof Structure - Provisional (3.6m long)</u>				
	Timber 2" X 6" King Post, Rafter, Tie beam	PCS	105		
	Timber 2" X 4" , wall plate and struts	PCS	110		
	2" x 3"mm purlins	PCS	120		
	1" x 10"mm Fascia board	PCS	19		
	Mixed Nails	Kgs	50		
2	<u>Roof Covering</u>				
	28G IT5 resincoated sheet size 900x3000mm	PCS	88		
	Hips/Ridge and valley - 28 G IT resin coated (3m long)	PCS	15		
	Roofing Nails	Pcket	25		
3	<u>Gutter's</u>				
	Upvc 125mm half round (6m long)-5"	PC'S	11		
	Upvc 75mm diameter down pipe; Class B	PC'S	6		
	PVC outlet	PC'S	6		
	PVC bend 90'	PC'S	6		
	PVC bend 45'	PC'S	12		
	Gutter support bracket	PC'S	62		
	Down pipe Clamp 3"	PC'S	12		
	Connector/reducer	PC'S	17		
	Corner outlet	PC'S	8		
	Screw and fisher	BOX	5		
	SUB-TOTAL ROOF STRUCTURE & COVERING				

ITEM	DESCRIPTION	UNIT	QTY	PRICE-TZS	AMOUNT
D	DOORS				
1	40mm thick hardwood paneled door shutter				
	820 x 2100mm high	No.	12		
	720 x 2100mm high	No.	6		
2	45 X 145mm Frames (hardwood), Varnish, Glass & Burglar bar				
	900 x 2500mm high	PCS	12		
	800 x 2500mm high	PCS	6		
	4mm thick clear glass to Vents	M ²	5		
	12 mm burglar bars	PC'S	2		
	Brush 3"	Pcs	3		
	Sand paper (msasa) No.80	LM	6		
	Clear Varnish - 4Litres	TIN	4		
	Thinner for Varnish -4Litres	Litres	2		
3	<u>IronMongereries</u>				
	Mortice lock Three lever - ref: union	No	18		
	Brass hinges - 100mm	Pairs	27		
	Doors Stopper	No	18		
	SUB-TOTAL DOORS				
E	WINDOWS				
1	Aluminium Windows 2mm thick frame with 5mm thick glass, Mosquito gauze, ironmongeries and all necessary accessories				
	1800 x 1500mm high	No.	2		
	1500 x 1500mm high	No.	10		
	800 x 900 mm high	No.	6		
2	Window grill with 38mm x 4mm flat bars, 25mm x 25mm square pipespainted with red oxide				
	1800 x 1500mm high	No.	2		
	1500 x 1500mm high	No.	10		
	800 x 900 mm high	No.	6		
	SUB-TOTAL WINDOWS				
F	FINISHING				
1	<u>Floor finishing</u>				
	Sand	M ³	7		
	Cement-50kgs (42.5)	Bags	60		
	500 x 500Non slippery Porcelain floor tiles	Box	100		
	Skirting (600 mm long; 25No/Box)	Box	16		
	Grout	Packet	20		
	Spacer	Packet	7		

ITEM	DESCRIPTION	UNIT	QTY	PRICE-TZS	AMOUNT
2	<u>Wall Finishing</u>				
	Sand	M ³	16		
	Cement-50kgs	Bags	88		
	White cement - 50kg	Bags	4		
	Wall puty powder	Bags	38		
	Sand paper (msasa) No.120	Roll	1		
	250 X 400 Wall tiles to toilets full height (0.96Sqm/Box)	Box	70		
	Grout	Packet	8		
	Spacer	Packet	4		
3	<u>CEILING</u>				
	Gypsum board -9mm thick	PC'S	53		
	Plain Cornice	PC'S	40		
	Gypsum Screw 1" 100pcs/box	Box	10		
	Gypsum powder	Bags	15		
	Fibre tape@90m	Pcs	3		
	Treated softwood Timber 2" X 2" (3600mm long)	pcs	170		
	Nails 4"	Kgs	4		
	Nails 3"	Kgs	12		
	SUB-TOTAL FOR FINISHING				
G	PAINTING & DECORATION				
	Emulsion Paint - 20 LTRS	bucket	8		
	Weather guard Paint - 20 LTRS	bucket	2		
	Washable paint -20 LTRS	bucket	3		
	Primer paint -20 LTRS	bucket	2		
	Solvent - 5LTRS	TIN	2		
	Brush 3"	Pcs	3		
	Roller	Pcs	3		
	Gloss paint-4LTR	TIN	3		
	Bitumen paint - 4Litres	TIN	2		
	SUB-TOTAL FOR PAINTING&DECORATION				

ITEM	DESCRIPTION	UNIT	QTY	PRICE-TZS	AMOUNT
	<u>ELECTRICAL INSTALLATION</u>				
	Single fluorescent fitting Complete,LED philips or other equal approved	0	No		
	Double switch socket ABB or other equal approved	12	No		
	Main switch 8way, 1PH with integral RCD 100A/300mmA ABB other equal approved	2	No		
	NB: Cables for 1.5sqmm 2.5sqmm and 4sqmm should be EURO or other equal approved				
	Single core wire 1.5sqmm - Red	3	Roll		
	Single core wire 1.5sqmm - Black	3	Roll		
	Single core wire 1.5sqmm -green	3	Roll		
	Single core wire 2.5sqmm - red	2	Roll		
	Single core wire 2.5sqmm	2	Roll		
	Single core wire 2.5sqmm green	2	Roll		
	Single core wire 4sqmm -Red	30	M		
	Single core wire 4sqmm -Black	30	M		
	Single core wire 4sqmm -Green	30	M		
	Ceiling fan National or other equal approved	8	PC's		
	3gang 1 way switch ABB or other equal approved	0	No		
	1gang 1 way switch ABB or other equal approved	5	No		
	2gang 1 way switch ABB or other equal approved	10	No		
	3gang 2 way switch ABB or other equal approved	0	No		
	DP switch 20A ABB or other equal approved	2	No		
	Cooker control unit 45A ABB or other equal approved	2	No		
	Ceiling light complete with energy saver 11w	27	No		
	Earth rod approved copper 16mm not less than 1200mm	2	No		
	Earth wire 4sqmm	30	M		
	Metal box twin	12	No		
	Metal box single	15	No		
	Junction box	40	No		
	Conduit pipe	180	PC's		
	Elbow	60	PC's		
	Conduit coupling	40	PC's		
	Round cover	50	PC's		
	Round box	10	PC's		
	Fine screw	2	PACKET		
	Data socket	0	No		
	Smoke ditector	0	No		
	plastic clips 22mm	4	BOX		
	Bulk head light fitting	7	PCS		
	Handdrier	0	No		
	Sub total				

ITEM	DESCRIPTION	UNIT	QTY	PRICE-TZS	AMOUNT
J	PLUMBING & SANITARY INSTALLATION-PROVISIONAL				
1	Sanitary Installation				
	Western type high level W.C suite vitrious china to B.S 3402 s/p-trap,	No	2		
	6litres flushing tank with single push button	No	4		
	White vitreous china Asian type WC	No	2		
	Finned and plain plastic W.C outlet connector to B.S 5627:1984	No	21		
	White vitreous china wash hand basin (HWB), complete with accessories	No	4		
	80mm Diameter high quality plastic floor drain "Falcon"	No	4		
	600 x 900 x 6mm thick looking mirror .	No	4		
	150mm long toilet roll holder (Ceramic), plugged and screwed to blockwall RAK	No	4		
	20mmØ Chromium plated towel single rail, 600mm long complete with matching end brackets plugged and screwed to wall.	No	4		
	Shurtuff (Douche spray) 13mmØ × 1000mm long flexible hose metal braided hose, "Jaguar"	No	4		
	19mm wall mounted stand pipe,single lever shower, complete with mixer with flow of maximum 15 litres/min, flexible showe rose,and wall brackets all chrome plate "Fiore"	No	4		
	Kitchen Stainless steel sink Single Bowl Single drainer;complete with all accessories	No	2		
2	COLD WATER INSTALLATION:				
	Dizany pipes,PN 20 Class B for Supply				
	25mmØ communication pipe HDPE to trench	m	20		
	Ditto; tee	No	2		
	Ditto; elbow	No	2		
	Ditto; male connector	No	4		
	Distribution pipes:Dizayn pipes				
	19mm Diameter freely from upper tank	m	40		
	Extra; elbow	No	6		
	Extra; tee	No	6		
	Extra; union	No	6		

ITEM	DESCRIPTION	UNIT	QTY	PRICE-TZS	AMOUNT
	Ditto; nipple MM	No	10		
	Ditto; nipple FF	No	10		
	13mm diameter pipe in blockwall chase BS 1010/	m	20		
	Ditto; elbow.	No	24		
	Ditto; tee.	No	12		
	Extra: nipple MM	No	12		
	Extra: nipple FF	No	12		
	Ditto: union	No	8		
	Flexible piping:				
	Flexible pipe to cistern	No	2		
	Flexible pipe to Hand Wash Basin	No	2		
	Flexible pipe to kitchen/Pantry sink	No	1		
3	WASTE AND VENT PIPES: UPVC pipes;Class 'B';				
	38mmØ; chase in block in concrete slab.	m	24		
	Extra; Equal tee	No	4		
	Extra; plugged elbow 90°.	No	8		
	Extra; plain elbow 90°.	No	8		
4	SOIL AND PIPES: UPVC pipes and fittings; Class 'B';				
	100mmØ pipe fixed to walls	m	24		
	Ditto; laid in trenches.	m	50		
	Ditto; pluged bend 90°.	No	4		
	Ditto; plain bend 90°.	No	4		
5	Draw off taps; stop valves; copper alloy				
	13mmØ stop valve PEX	No	6		
	13mm Diameter bib taps Chrome plated SANWA	No	6		
	13mmØ angle cork Chrome plated donald	No	6		
	15mm kitchen sink mixer chrome	No	2		
	HWB mixer chrome plated	No	4		
6	FOUL WATER DRAINAGE				
	150mm UPVC pipes laid in trenches, class C	m	100		
7	MANHOLE:				
	Construct standard manhole size 600 x 600mm average depth 850mm deep;	No	10		
8	GULLY TRAP				
	Construct a standard gully trap 300 x 300mm deep	No	8		
9	SEPTIC TANK:				
	Construct septic tank overall internal dimensions; size 3000 x 2400x 2000mm.	No	1		
10	SOAK PIT (S.P)				
	Construct Soak pit overall size 3000mm diameter x 3000mm	No	1		
	SUB-TOTAL FOR PAINTING&DECORATION				

	<u>SUMMARY</u>				AMOUNT
	<u>STAFF HOUSE, MATERIAL COST</u>				
A.	SUBSTRUCTURE - PROVISIONAL				
B.	SUPERSTRUCTURE				
C.	ROOF STRUCTURE & COVERING				
D.	DOOR				
E.	WINDOWS				
F.	FINISHING				
G.	PAINTING & DECORATION				
H.	ELECTRICAL INSTALLATION & AIR CONDITIONING				
J.	PLUMBING & SANITARY INSTALLATION (PROVISIONAL)				
	TOTAL BUILDING MATERIALS CARRIED TO GENERAL SUMMARY				

	<u>ADD:</u>				
	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				
	iv. Installation of Ceiling Fan is an option, depend on whether condition of specific area .				

THE UNITED REPUBLIC OF TANZANIA

MINISTRY OF EDUCATION SCIENCE AND TECHNOLOGY

IN COLLABORATIONS WITH

PRESIDENT'S OFFICE, REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT

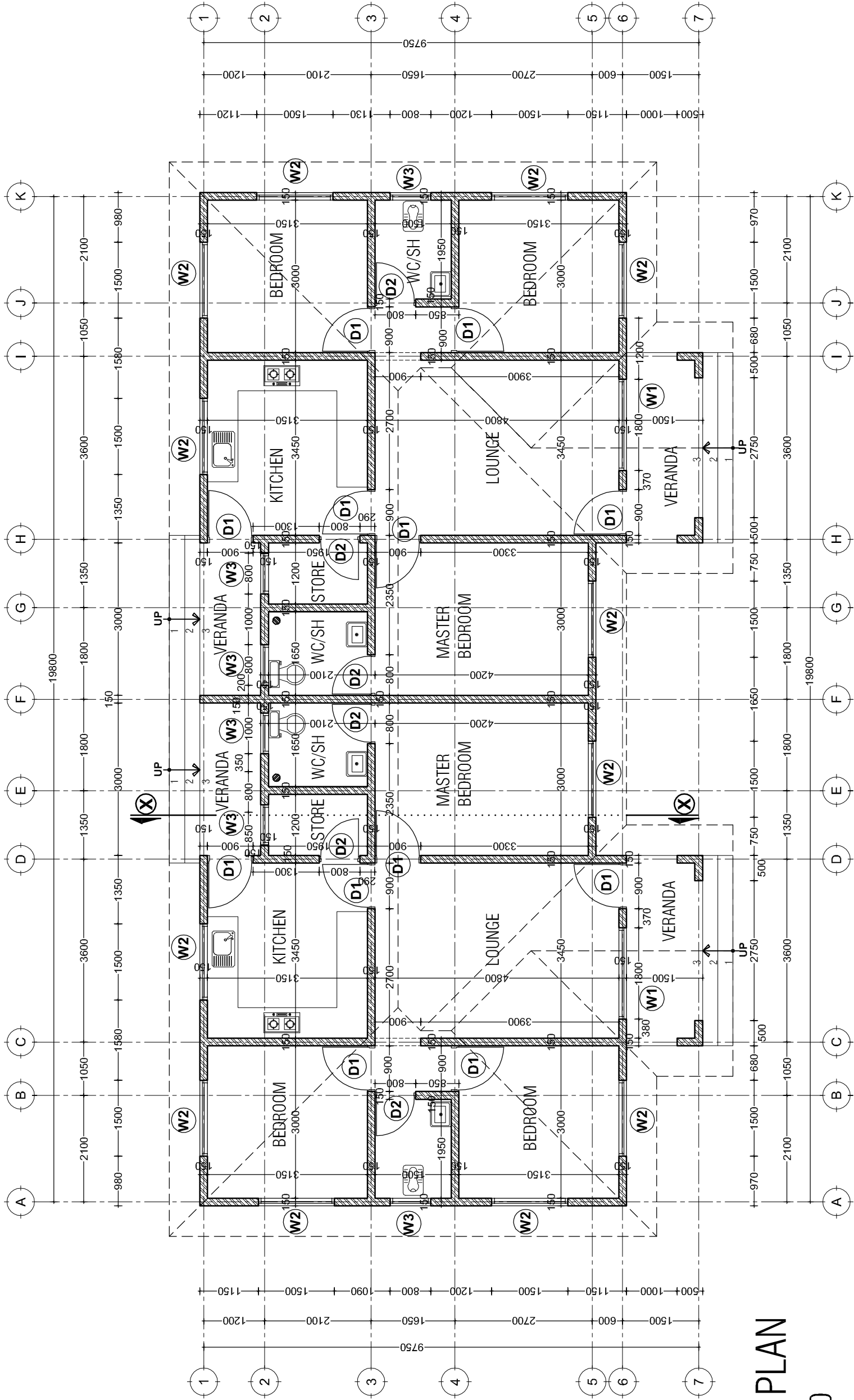
PROVISION OF PHYSICAL FACILITIES IN PRIMARY SCHOOLS

Ministry of Education, Science and Technology
Government City-Mtumba,
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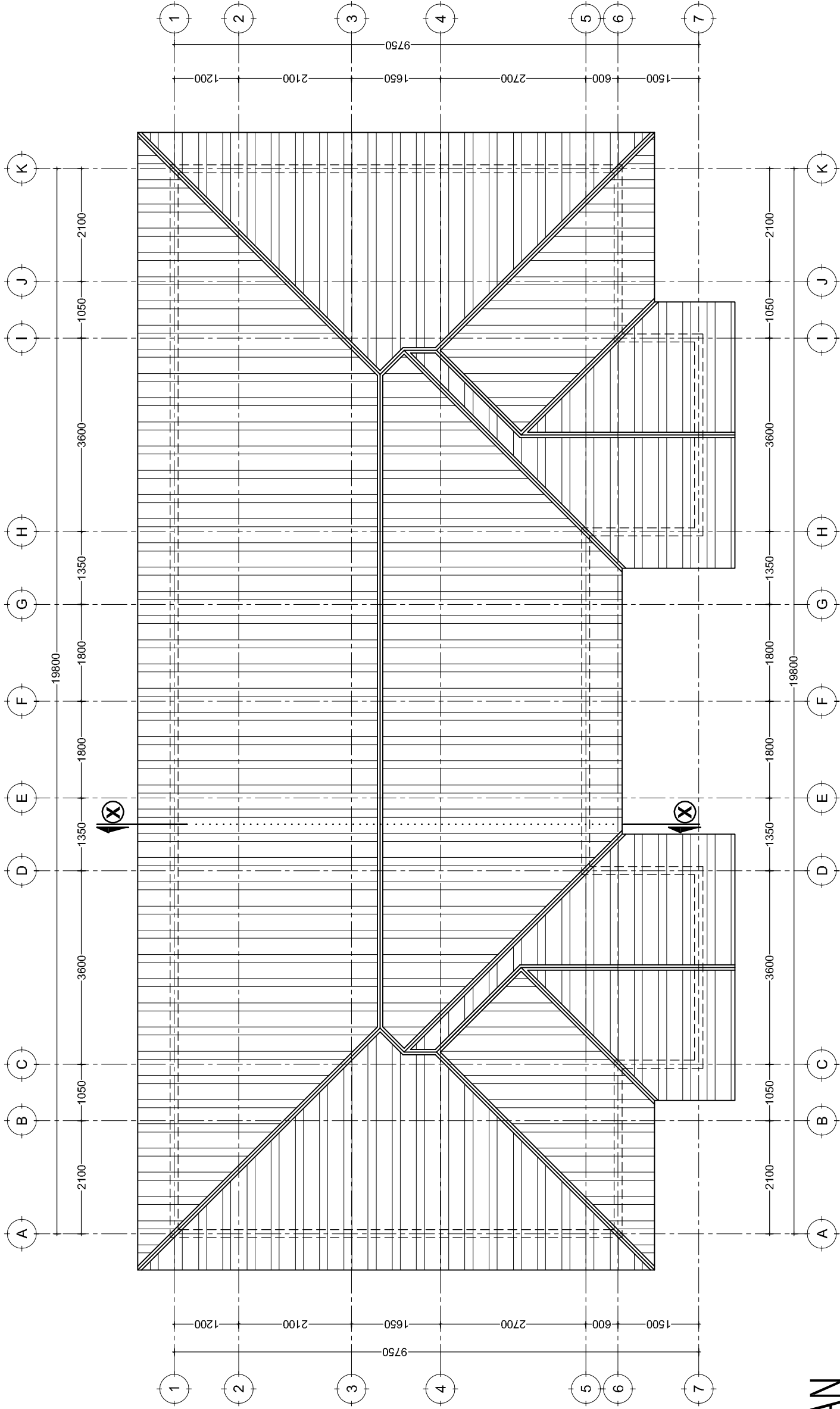
JANUARY, 2023

ARCHITECTURAL DRAWINGS



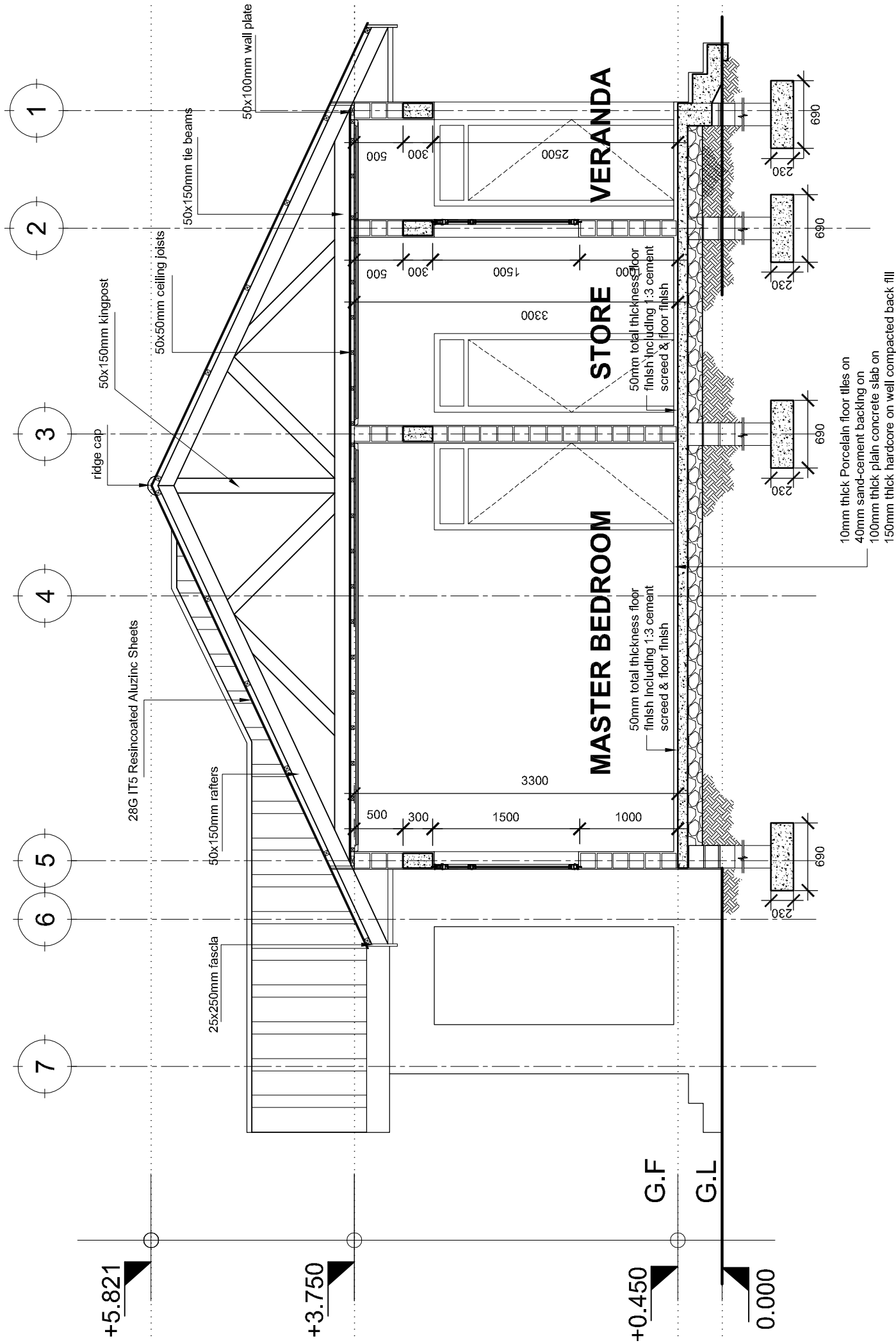
GROUND PLAN
SCALE: 1:100
TOTAL AREA = 175.14sqm

MINISTRY OF EDUCATION, SCIENCE AND TECHNOLOGY PRESIDENT'S OFFICE REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT N COLLABORATION WITH	PROVISION OF PHYSICAL FACILITIES IN PRIMARY SCHOOLS				Drawing title	
	3 BEDROOM SEMIDETACHED STAFF HOUSE				Ground Floor plan	
					Project number	SH A/101
					MAY 2020	
				Drawn by	JCR	
				Checked by	IAS	
				Scale 1:100		



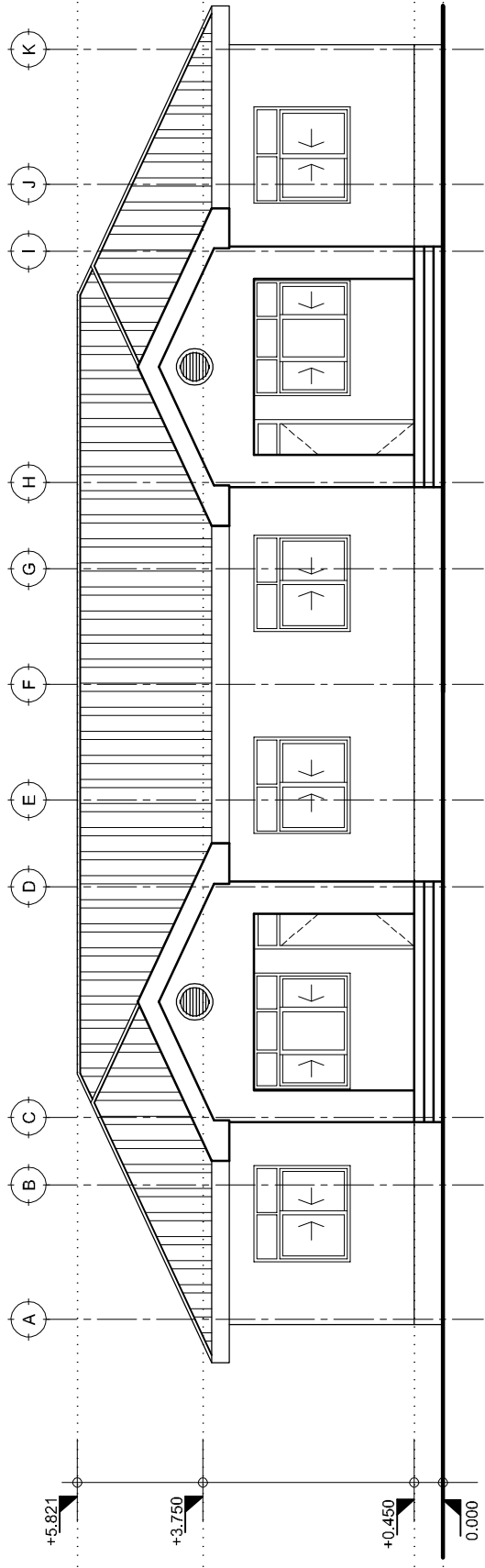
ROOF PLAN
SCALE: 1:100

MINISTRY OF EDUCATION, SCIENCE AND TECHNOLOGY		PROVISION OF PHYSICAL FACILITIES IN PRIMARY SCHOOLS		Drawing title	
PRESIDENT'S OFFICE REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT		3 BEDROOM SEMIDETACHED STAFF HOUSE		Roof Plan	
				Project number	SH A/102
				Drawn by	JCR
				Checked by	IAS
				Scale 1:100	

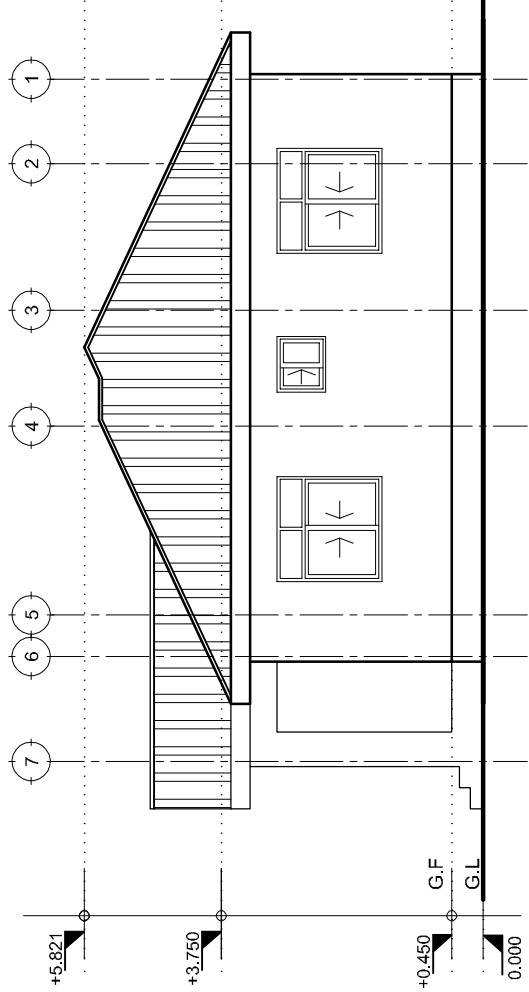


SECTION X:X
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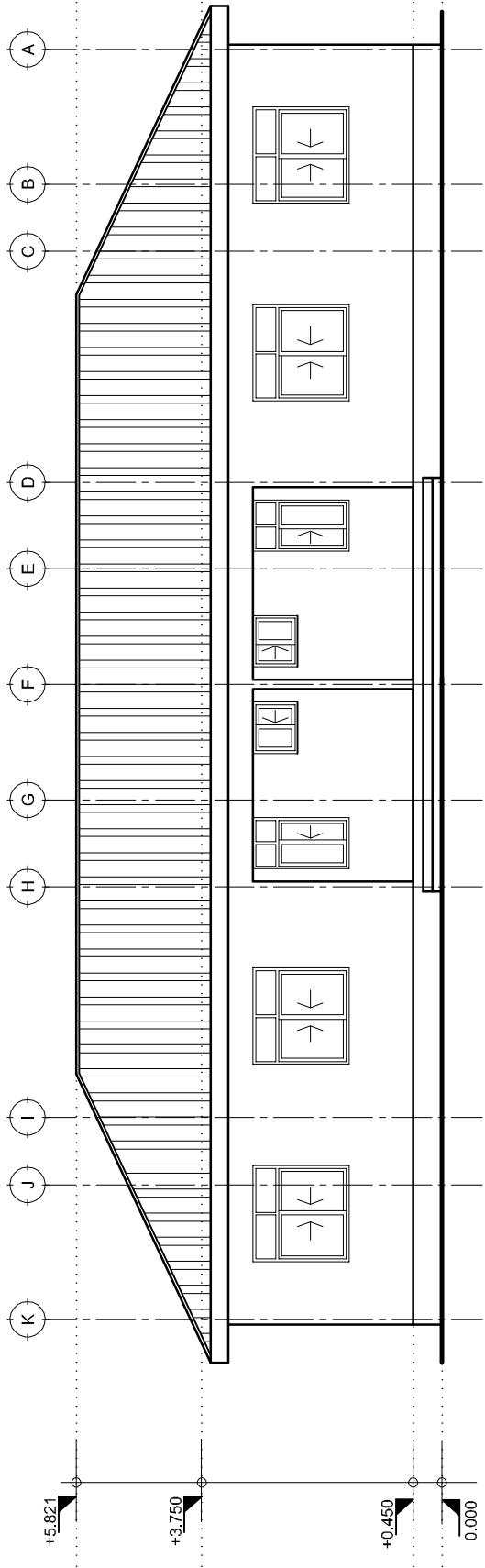
MINISTRY OF EDUCATION, SCIENCE AND TECHNOLOGY <i>IN COLLABORATION WITH</i> PRESIDENT'S OFFICE REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT	PROVISION OF PHYSICAL FACILITIES IN PRIMARY SCHOOLS	3 BEDROOM SEMIDETACHED STAFF HOUSE	Drawing title	
			Sections	
			Project number	SH A/103
			MAY 2020	
			Drawn by	JCR
			Checked by	IAS
Scale 1 : 100				



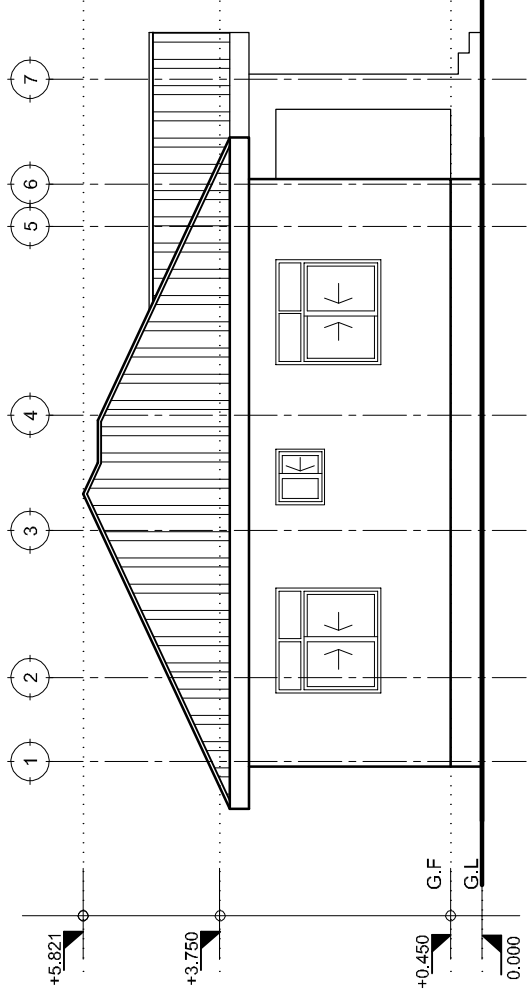
FRONT ELEVATION



RIGHT SIDE ELEVATION



REAR ELEVATION



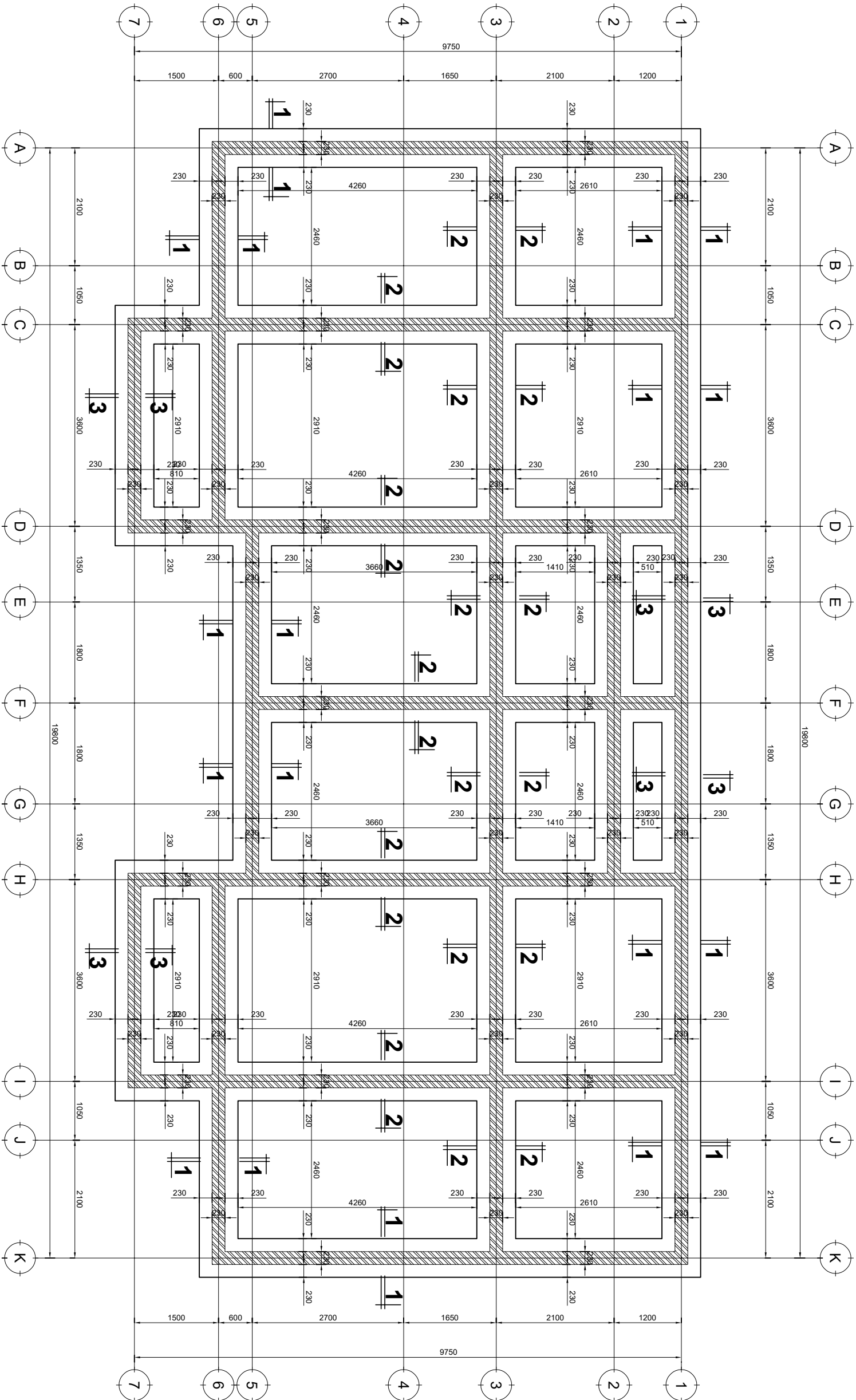
LEFT SIDE ELEVATION

ELEVATIONS

SCALE: 1:100

MINISTRY OF EDUCATION, SCIENCE AND TECHNOLOGY PRESIDENT'S OFFICE REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT <i>IN COLLABORATION WITH</i>	PROVISION OF PHYSICAL FACILITIES IN PRIMARY SCHOOLS				Drawing title	
	3 BEDROOM SEMIDETACHED STAFF HOUSE				Elevations	
					Project number	SH A/106
					JUNE 2020	
					Drawn by	JCR
					Checked by	IAS
					Scale 1:100	

- NOTE:**
1. All dimensions are in mm unless otherwise specified
 2. All discrepancies shall be referred to the structural engineer
 3. Reinforced concrete shall be of grade 20 with $f_{cu}=20N/mm^2$ at 28 days of age
 4. Main reinforcements shall be high tensile steel with $f_y = 460N/mm^2$
 5. Nominal cover to the reinforcements:
 - a) Foundation 50mm
 - b) Column 25mm
 - c) Beam 25mm
 - d) Slab 25mm



FOUNDATION LAYOUT PLAN

MINISTRY OF EDUCATION, SCIENCE AND TECHNOLOGY
IN COLLABORATION WITH PRESIDENTS OFFICE REGIONAL
ADMINISTRATION AND LOCAL GOVERNMENT

PRIMARY SCHOOL DESIGN GUIDELINES
2022 EDITION

3BEDROOMS SEMIDETACHED HOUSE

DRAWING TITLE

(2 IN 1)

FOUNDATION LAYOUT

DRAWN BY A.M.A.

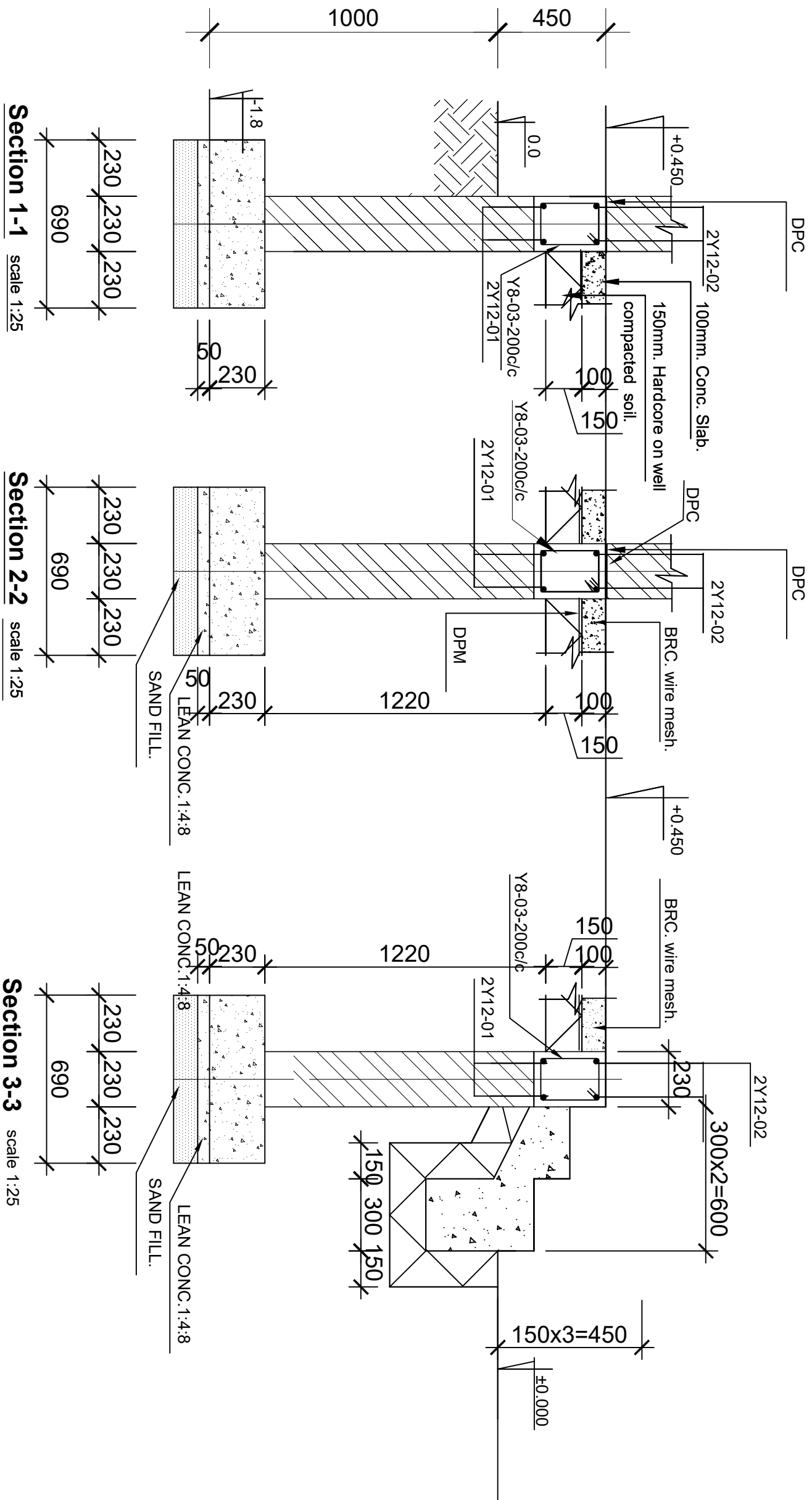
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DRAWING NO. STAFFH2IN1/STR/01

SCALE 1:100

DATE: SEPT, 2022

- NOTE:**
1. All dimensions are in mm unless otherwise specified
 2. All discrepancies shall be referred to the structural engineer
 3. Reinforced concrete shall be of grade 20 with $f_{cu}=20N/mm^2$ at 28 days of age
 4. Main reinforcements shall be high tensile steel with $f_y = 460N/mm^2$
 5. Nominal cover to the reinforcements:
 - a) Foundation 50mm
 - b) Column 25mm
 - c) Beam 25mm
 - d) Slab 25mm



Foundation Details

MINISTRY OF EDUCATION, SCIENCE AND TECHNOLOGY
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ADMINISTRATION AND LOCAL GOVERNMENT

PRIMARY SCHOOL DESIGN GUIDELINES
2022 EDITION

3BEDROOMS SEMIDETACHED HOUSE
DRAWING TITLE
(2 IN 1)
FOUNDATION DETAILS

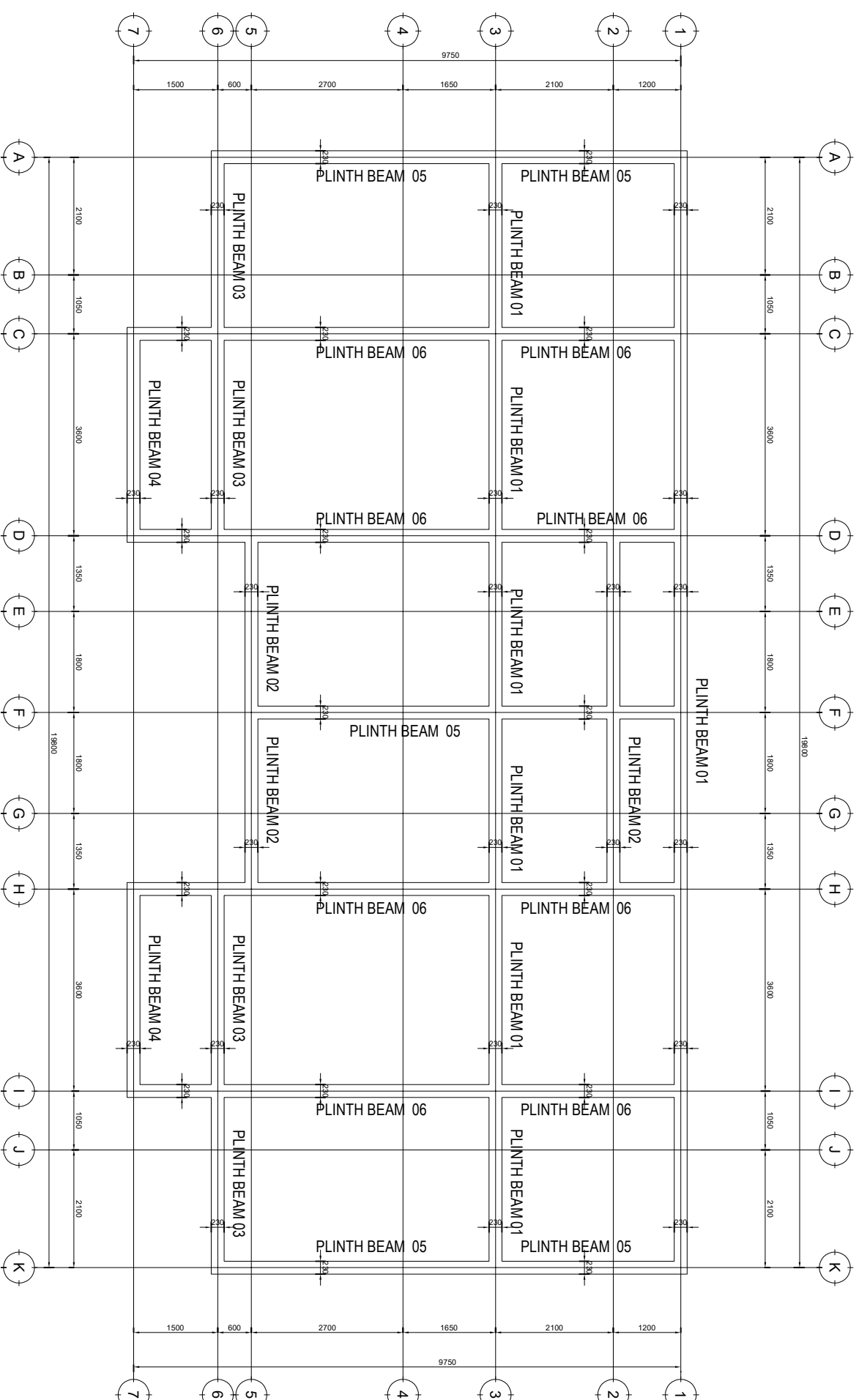
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DRAWING NO. STAFFH2IN1/STR/02

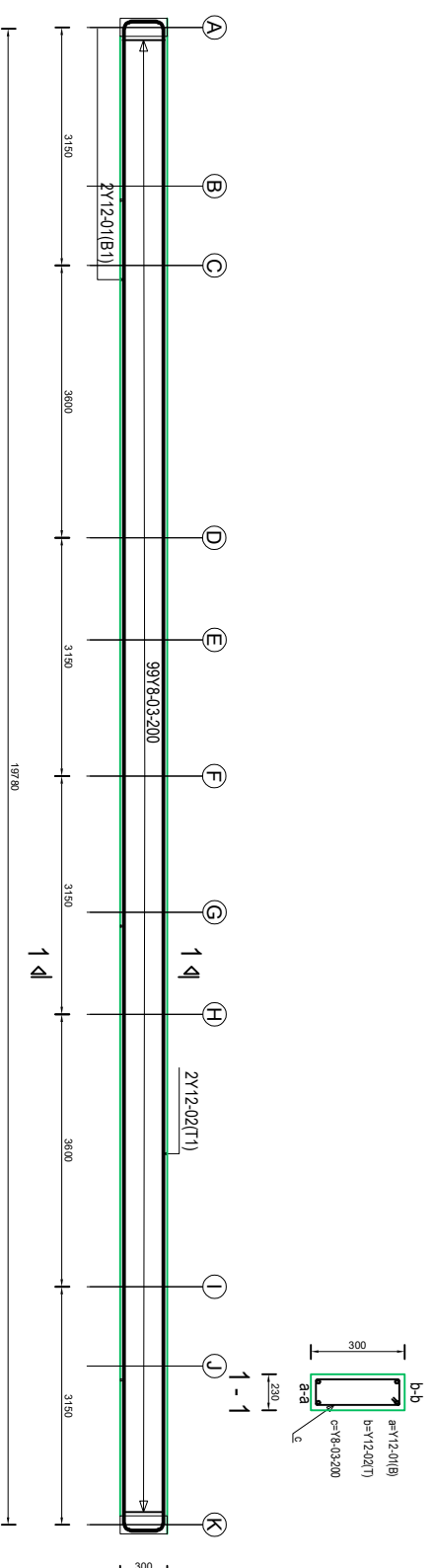
SCALE 1:100

DATE: SEPT, 2022

1. All dimensions are in mm unless otherwise specified
2. All discrepancies shall be referred to the structural engineer
3. Reinforced concrete shall be of grade 20 with $f_{cu}=20\text{N/mm}^2$ at 28 days of age
4. Main reinforcements shall be high tensile steel with $f_y = 460\text{N/mm}^2$
5. Nominal cover to the reinforcements:
 - a) Foundation 50mm
 - b) Column 25mm
 - c) Beam 25mm
 - d) Slab 25mm



PLINTH BEAMS LAYOUT PLAN



TYPICAL PLINTH BEAM DETAILS (300x230 mm)

**MINISTRY OF EDUCATION, SCIENCE AND TECHNOLOGY
IN COLLABORATION WITH PRESIDENTS OFFICE REGIONAL
ADMINISTRATION AND LOCAL GOVERNMENT**

PRIMARY SCHOOL DESIGN GUIDELINES

2022 EDITION

3BEDROOMS SEMIDETACHED HOUSE

DRAWING TITLE

PLINTH BEAMS

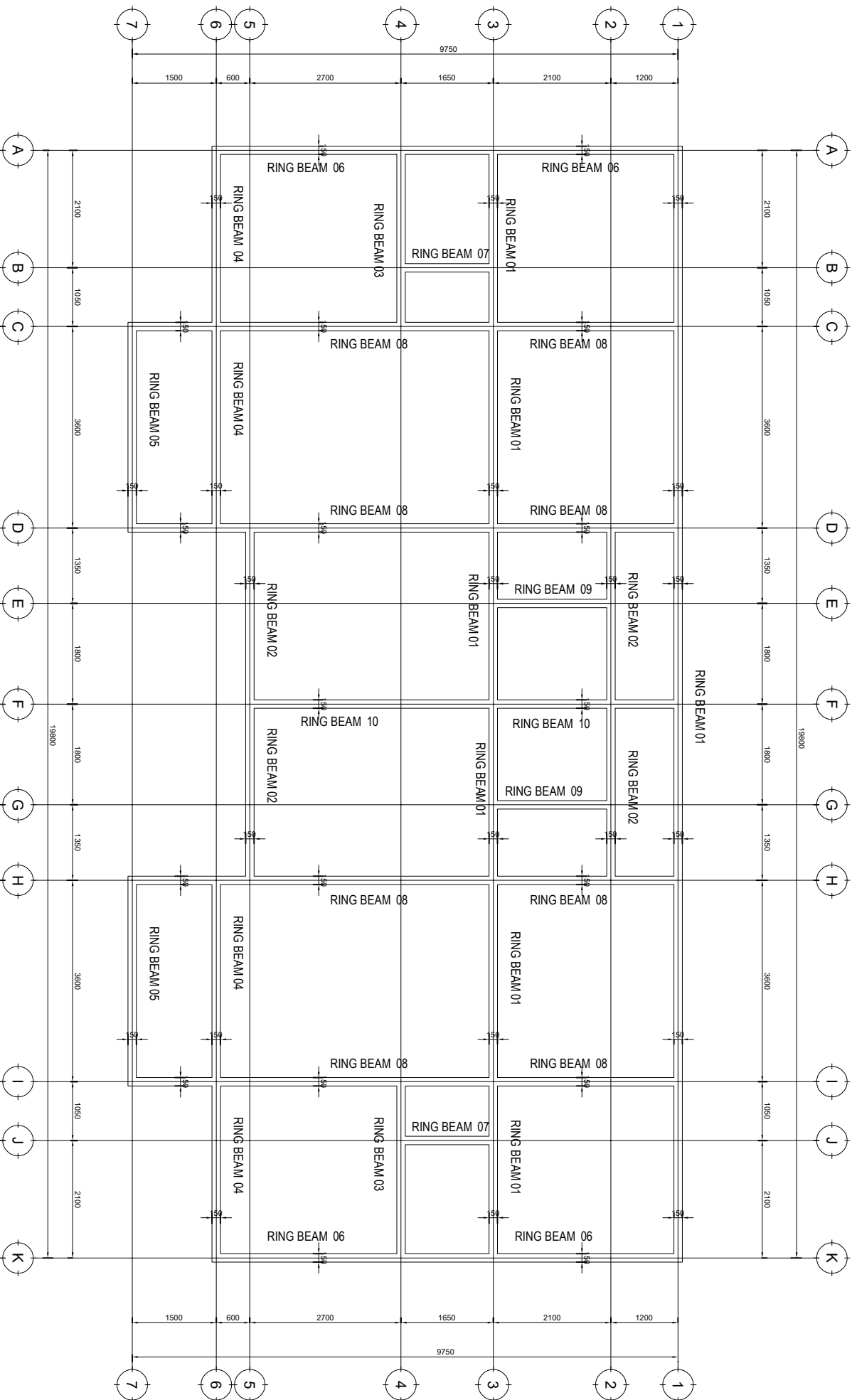
DRAWN BY A.M.A.

CHECKED BY B.N

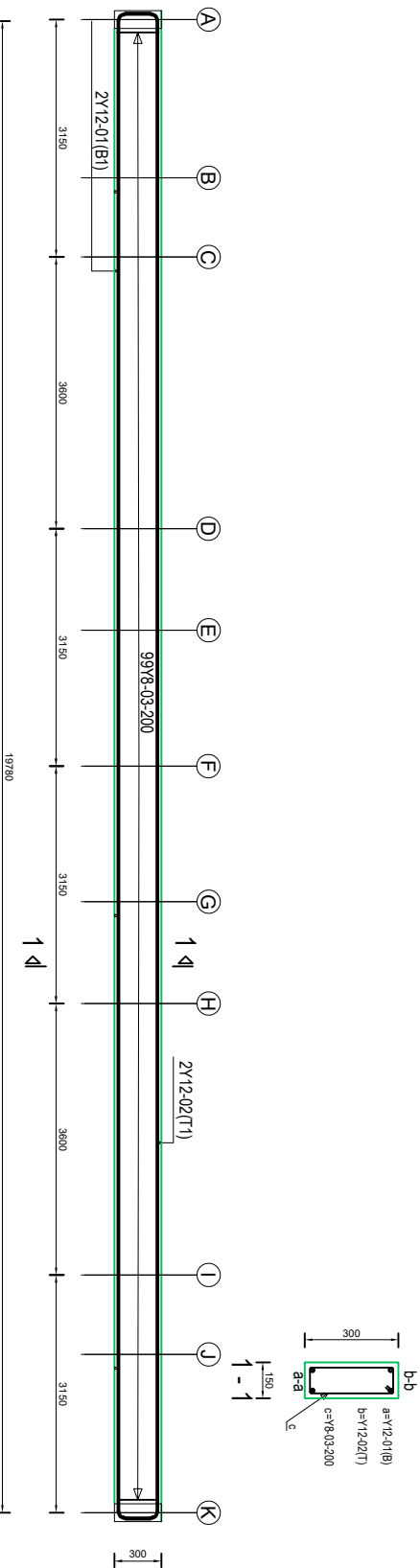
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SCALE 1:100

DATE: SEPT, 2022

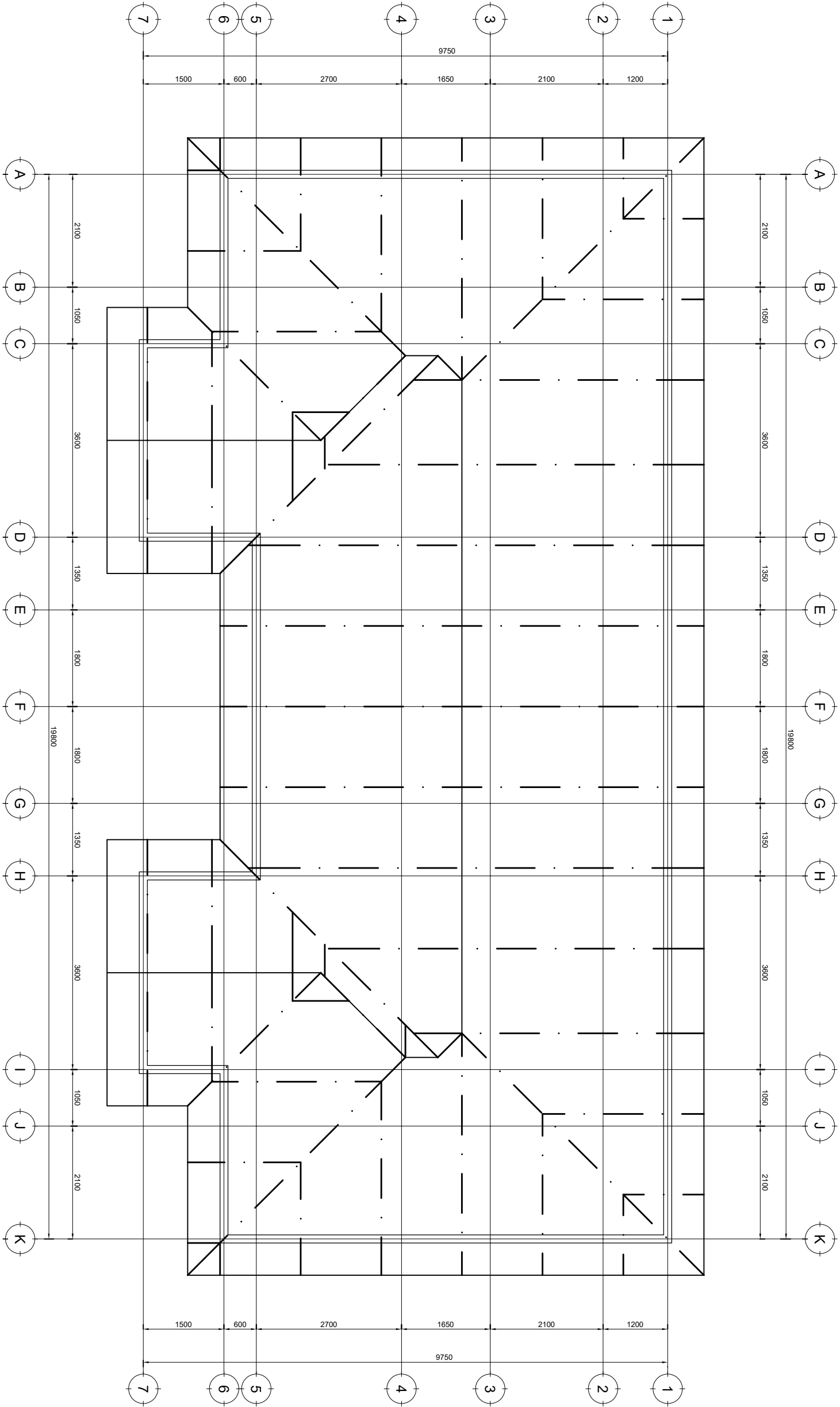


RING BEAMS LAYOUT PLAN



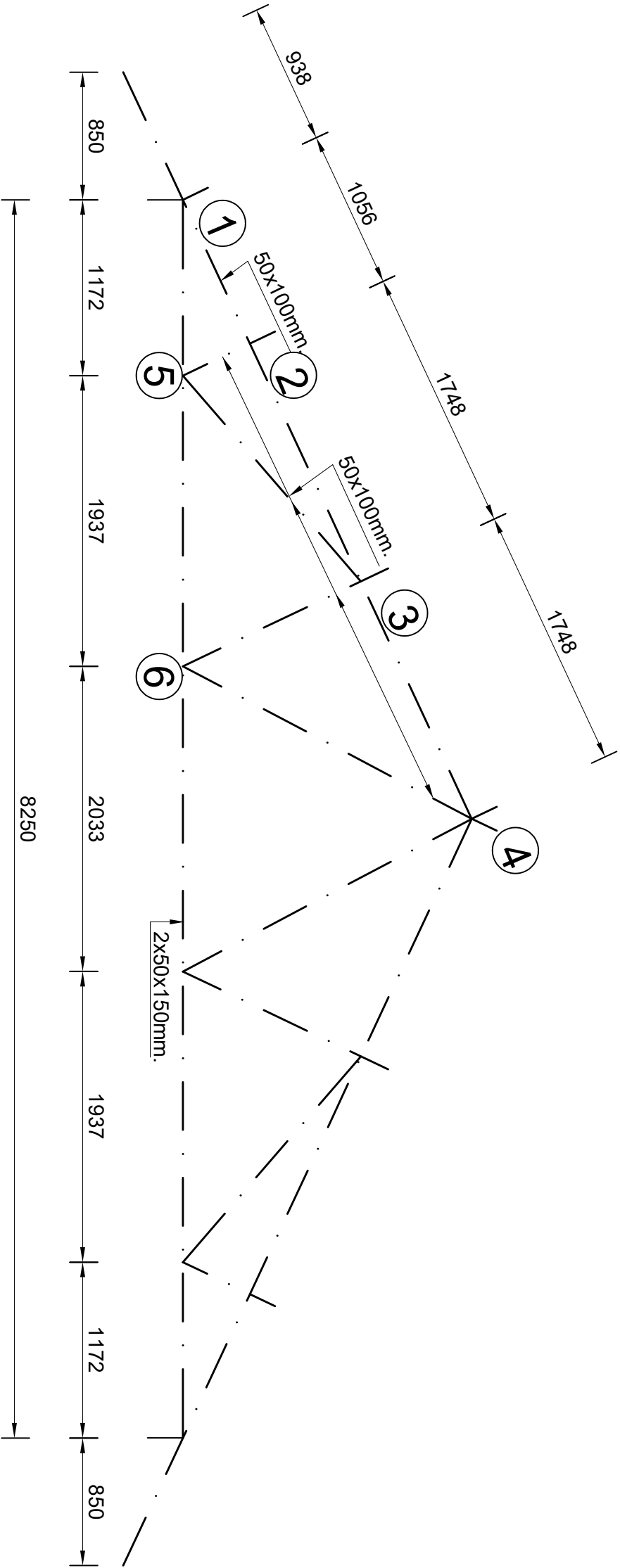
TYPICAL RING BEAM DETAILS (300x150 mm)

- NOTE:**
1. All dimensions are in mm unless otherwise specified
 2. All discrepancies shall be referred to the structural engineer
 3. Reinforced concrete shall be of grade 20 with $f_{cu}=20N/mm^2$ at 28 days of age
 4. Main reinforcements shall be high tensile steel with $f_y = 460N/mm^2$
 5. Nominal cover to the reinforcements:
 - a) Foundation 50mm
 - b) Column 25mm
 - c) Beam 25mm
 - d) Slab 25mm

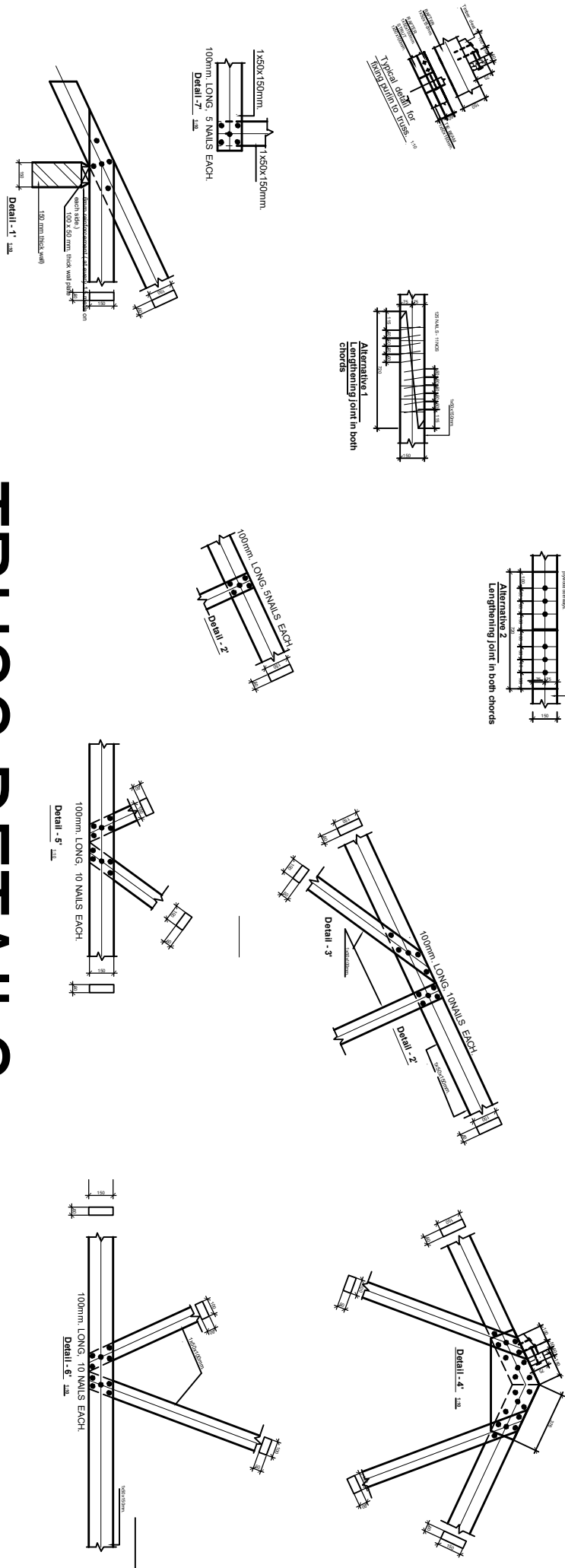


- NOTE:**
1. All dimensions are in mm unless otherwise specified
 2. All discrepancies shall be referred to the structural engineer
 3. Reinforced concrete shall be of grade 20 with $f_{cu}=20N/mm^2$ at 28 days of age
 4. Main reinforcements shall be high tensile steel with $f_y = 460N/mm^2$
 5. Nominal cover to the reinforcements:
 - a) Foundation 50mm
 - b) Column 25mm
 - c) Beam 25mm
 - d) Slab 25mm

ROOF TRUSS LAYOUT PLAN



TYPICAL ROOF TRUSS



- NOTE:**
- All dimensions are in mm unless otherwise specified
 - All discrepancies shall be referred to the structural engineer
 - Reinforced concrete shall be of grade 20 with $f_{cu}=20N/mm^2$ at 28 days of age
 - Main reinforcements shall be high tensile steel with $f_y = 460N/mm^2$
 - Nominal cover to the reinforcements:
 - Foundation 50mm
 - Column 25mm
 - Beam 25mm
 - Slab 25mm

TRUSS DETAILS

MINISTRY OF EDUCATION, SCIENCE AND TECHNOLOGY
IN COLLABORATION WITH PRESIDENTS OFFICE REGIONAL
ADMINISTRATION AND LOCAL GOVERNMENT

PRIMARY SCHOOL DESIGN GUIDELINES
2022 EDITION

3BEDROOMS SEMIDETACHED HOUSE

DRAWING TITLE

ROOF TRUSS DETAILS

DRAWN BY A.M.A.

CHECKED BY B.N

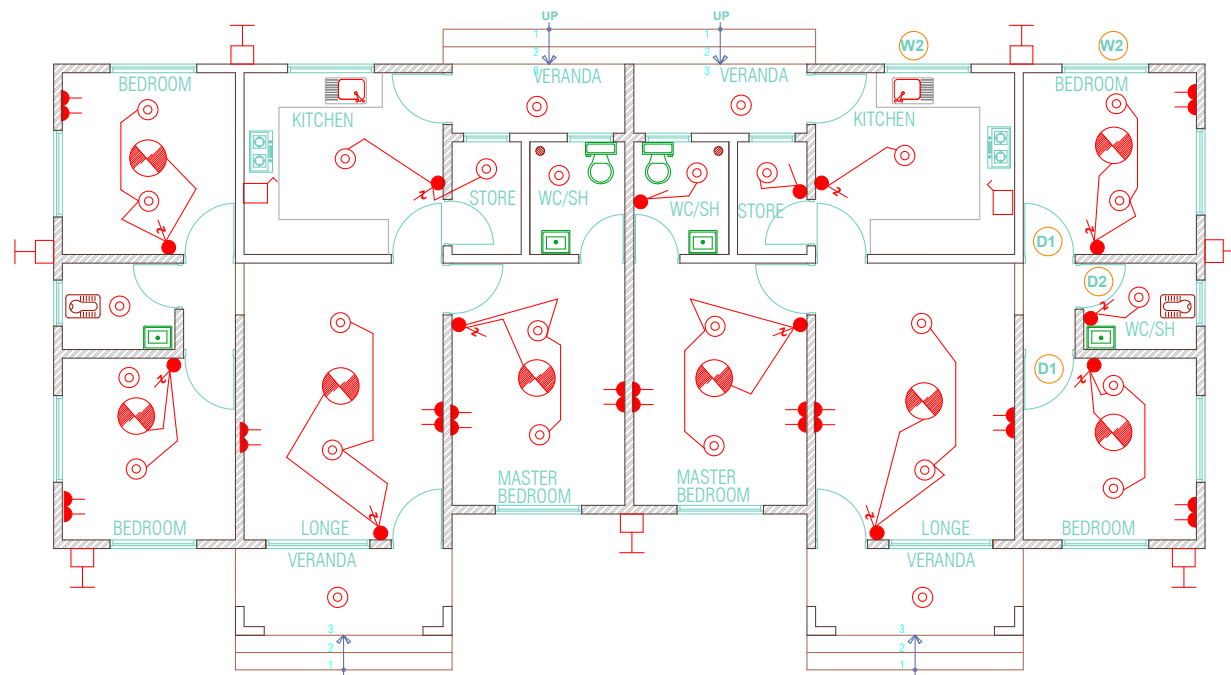
DRAWING NO. STAFFH2IN1/STR/06

SCALE 1:100

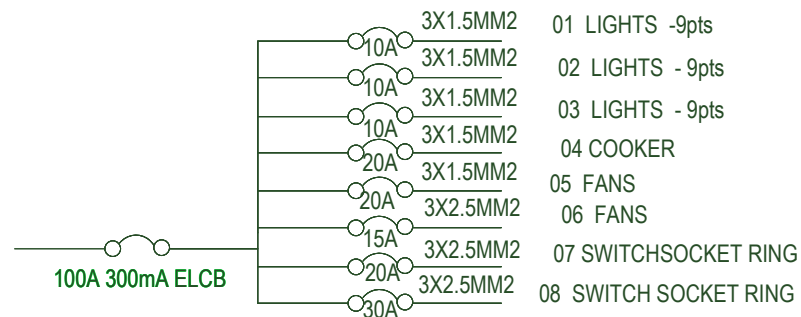
DATE: SEPT, 2022

ELECTRICAL DRAWINGS

GROUND PLAN



8WAYS SPN DISTRIBUTION BOARD



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

CLIENT
PRESIDENT'S OFFICE, REGIONAL ADMINISTRATION AND LOCAL
GOVERNMENT
PROJECT
**PROPOSED 3 BEDROOM SEMI DETACHED HOUSE FOR
GLOBAL FUNDED PROJECT**

Drawing title

ELECTRICAL PLAN

Project number

Date **JUNE, 2020**

Drawn by

EEC

Checked by

IAS

E105

Scale 1:100

KEY TO SYMBOLS AND ABBREVIATION

SYMBOL	DESCRIPTION	MOUNTING HEIGHT
	Distribution Board with integral RCD	2000 mm AFFL
	Bulkhead light Fitting	Wall Mounted
	Energy Saver Ceiling Light C/w holder	On Ceiling
	4FT Fluorecent Light	On Ceiling
	4FT Single Fluorecent Light	On ceiling
	Ceilling Fan	On Ceiling
	Fan Regulator	1500 mm AFFL
	1 gang 1way Switch	1500 mm AFFL
	2 gang 1way Switch	1500 mm AFFL
	2 gang 2way Switch	1500 mm AFFL
	Cassette type lighting	On ceiling

SYMBOL	DESCRIPTION	MOUNTING HEIGHT
	3 gang 1way Switch	1500 mm AFFL
	2 gang 1way Switch	1500 mm AFFL
	4 gang 1way Switch	1500 mm AFFL
	Twin Switch Socket	450 mm AFFL
	Cooker control unit	1200 mm AFFL
	Air condition	2500 mm AFFL
	Earth point	2500 mm Underground
SWA	Steel wire armoured	
SPN	Single phase and neutral	
TPN	Three phase and neutral	
DB	Distribution board	
	DP switch	
	Fire smoke ditector	
FACP	Fire alarm control panel	2000 mm AFFL
AC	Air condition cassette type	On Ceiling

President Office, Regional Administration and Local Government,
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CLIENT

PRESIDENT'S OFFICE, REGIONAL ADMINISTRATION AND LOCAL
GOVERNMENT MKAPA BUILDING, P.O.BOX 1923,41185 DODOMA.

PROJECT

**PROPOSED STANDARD DRAWINGS FOR DISTRICT COUNCILS
OFFICE IN TANZANIA**

Drawing title

ELECTRICAL SYMBOLS AND ABBREVIATIONS

Project number

Date **JUNE, 2020**

Drawn by **EEC**

Checked by **IAS**

E105

Scale 1:100