

THE UNITED REPUBLIC OF TANZANIA



PRESIDENT'S OFFICE
REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT

REHABILITATION OF HEALTH CENTER'S

SCHEDULE OF MATERIALS, LABOUR'S & DRAWINGS FOR STAFF HOUSE

PROJECT AREA

TANZANIA MAINLAND

Ministry of Health, Community,
Deleopment Gender, Elderly and Children,
University of Dodoma,
College of Humanities,
& Social Science 11th Building,
P.O.Box 743,
40478 DODOMA.

President's Office,
Regional Administration,
& Local Government,
Mkapa House,
Mlezi Road,
P.O.Box 1923,
41185 DODOMA.

FEBRUARY, 2018

PO-RALG

SCHEDULE OF MATERIALS

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
	<u>MATERIALS</u>				
A	SUBSTRUCTURE -PROVISIONAL				
1	<u>Strip Foundation - Grade 15 Plain</u>				
	Aggregate (3/4")	13	M ³		
	Sand	7	M ³		
	Cement-50kgs	59	Bags		
2	<u>Foundation Walls</u>				
	6" Cement & Sand Block	994	No		
	Sand	3	M ³		
	Cement -50kgs	17	Bags		
3	<u>Moram, Hardcore & Site sterilization</u>				
	Moram-(4.5m ³ lorry)	6	Trips		
	Hadcore-(4.5m ³ lorry)	3	Trips		
	Sand	5	M ³		
	Aldrin solution or equal and approved	5	Litres		
4	<u>Oversite Concrete (100mm thick - 15 grade) & Ground Beam - 20 grade</u>				
	DPM	79	M ²		
	Cement -50kgs	85	Bags		
	Aggregates (1/2")	4	M ³		
	Sand	7	M ³		
	Reinforcement - 12mm diameter high tensile	24	PC'S		
	Reinforcement - 8mm diameter	21	PC'S		
	Timber 1" X 8" (5.2m long)	8	PC'S		
	Timber 2" X 2"	15	PC'S		
	Nails-4"	13	Kgs		
	Nails-3"	10	Kgs		
	Supporting props	17	PC'S		
	SUB-TOTAL SUB STRUCTURE				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
B.	SUPERSTRUCTURE				
1	<u>Walls & Ring beam</u>				
	6" Cement & Sand Block	1,759	No		
	DPC	7	Roll		
	Sand	4	M ³		
	Cement-50kgs	72	Bags		
	Aggregates (1/2")	8.0	M ³		
	Reinforcement - 12mm diameter high tensile	26	PC'S		
	Reinforcement - 8mm diameter	33	PC'S		
	Binding Wire - 1kg	8	Bundle		
	Timber 1" X 8" to Sides (5.2m long)	36	PC'S		
	Timber 1" X 5" (Plates)	6	PC'S		
	Timber 2" X 2"	20	PC'S		
	Supporting Props	45	PC'S		
	SUB-TOTAL SUPER STRUCTURE				
C.	ROOF STRUCTURE & COVERING				
1	<u>Roof Structure - Provisional</u>				
	Timber 2 " X 3" purlins	396	FT		
	Timber 2" X 4" King Post and struss	498	FT		
	Timber 2" X 6" Rafter and Tie beam	684	FT		
	Fascia board 1" X 10" (5.2m long)	9	PC'S		
	Nails -5"	20	Kgs		
	Nails -4"	15	Kgs		
	Nails -3"	10	Kgs		
	NOTE: The above softwood timber structure should be pressure impregnated treated				
2	<u>Roof Covering</u>				
	28G IT resincoated sheet	147	M		
	Hips - 28 G	6	PC'S		
	Roofing Nails	10	Box		
	TO COLLECTION			C/F	

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
				B/F	
3	<u>Gutter's</u>				
	Upvc 150mm half round (6m long)-5"	8	PC'S		
	Upvc 100mm dia.down pipe; Class B	3	PC'S		
	Clamp	18	PC'S		
	Upvc bend	12	PC'S		
	UPVC Elbow	6	PC'S		
	Screw and fisher	1	BOX		
	SUB-TOTAL ROOF STRUCTURE & COVERING				
E.	<u>CEILING</u>				
	Gypsum board -12mm thick	24	PC'S		
	Plain Cornice	46	PC'S		
	Gypsum Screw 1" 800pcs/box	3	Box		
	Screw 1.25" 800pcs/box	1	Box		
	Gypsum powder	5	Bags		
	Fibre tape	2	Pcs		
	Treated softwood Timber 2" X 2"	1,054	FT		
	Nails 4"	11	Kgs		
	Nails 3"	13	Kgs		
	PVC ceiling with its fittings -	39	Pc's		
	SUB-TOTAL FOR CEILING				
F.	<u>DOOR</u>				
1	<u>45mm thick Pannelled door shutter</u>				
	900 x 2100mm high	8	PC'S		
	800 x 2100mm high	3	PC'S		
2	<u>Frames (hardwood),Varnish, Glass & Burglar bar</u>				
	900 x 2500mm high	8	PC'S		
	800 x 2500mm high	1	PC'S		
	800 x 2100mm high	2	PC'S		
	TO COLLECTION			C/F	

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
H.	FINISHING				
1	<u>Floor finishing</u>				
	Sand	3	M ³		
	Cement-50kgs	20	Bags		
	600 x 600Non slippery Porcelain floor tiles (1.46 Sqm/Box)	48	Box		
	Skirting (600 mm long; 25No/Box)	5	Box		
	Grout	2	Packet		
	Spacer	2	Packet		
2	<u>Wall Finishing</u>				
	Sand	7	M ³		
	Cement-50kgs	45	Bags		
	White cement - 50kg	3	Bags		
	Gypsum powder	4	Bags		
	Sand paper (msasa) No.120	0.5	Roll		
	200 X 300 Wall tiles to toilets full height (0.96Sqm/Box)	46	Box		
	Grout	2	Packet		
	Spacer	1	Packet		
	SUB-TOTAL FOR FINISHING				
J.	PAINTING & DECORATION				
	Emulsion Paint - 20 LTRS	8	buckets		
	Weather guard Paint - 20 LTRS	2	buckets		
	Washable paint -20 LTRS	3	buckets		
	Primer paint -20 LTRS	1	buckets		
	Solvent - 5LTRS	1	TIN		
	Brush 3"	2	Pcs		
	Roller	2	Pcs		
	Gloss paint-4LTR	1	TIN		
	Bitumen paint - 4Litres	1	TIN		
K	Allow sum for kitchen cabinete ; hard wood with marble tops; refer Archtectural floor plan drawings				
	SUB-TOTAL FOR PAINTING&DECORATION				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
J.	ELECTRICAL INSTALLATION				
1	Single flourescent fiiting, approved philips or equal	4	No		
3	Double switch sorcket	8	No		
4	Main switch 12way,3PH with intergral RCD as MEM or equal	1	No		
5	Single core wire 1.5sqmm -Red	3	Roller		
6	Single core wire 1.5sqmm -Black	2	Roller		
7	Single core wire 1.5sqmm -green	2	Roller		
8	Single core wire 2.5sqmm -Red	1	Roller		
9	Single core wire 2.5sqmm -Black	1	Roller		
10	Single core wire 2.5sqmm Green	1	Roller		
11	Ceilling fan, approved National or equal	4	PC'S		
12	16mmsq 4 core cable	20	M		
13	1gang one way switch	2	No		
14	2gang two way switch	7	No		
15	Cooker control unit -45A	1	No		
16	TV socket	2	No		
17	Gypsum light complete with energy saver 18w	13	No		
18	Earth rod approved copper not less than 1200	1	No		
19	Earth wire 4sqmm	20	M		
20	Plastic clips	3	BOX		
21	Conduit pipe	80	PC		
22	Metal box double	9	PC		
22	Metal box single	9	PC		
24	Round cover	20	PC		
25	Junction box	30	PC		
26	Elbow	25	PC		
27	Conduit coupling	20	PC		
28	Fine screw	5	Packets		
29	4mm2 twin cable	20	M		
	SUB-TOTAL FOR ELECTRICAL INSTALLATION				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
L.	PLUMBING & SANITARY INSTALLATION- PROVISIONAL				
1	Nipple -1/2" bronze	20	PC'S		
2	Shower head 1/2" bronze	2	PC'S		
3	IPS pipe 1/2	2	PC'S		
4	Elbow 1/2" GS	10	PC'S		
5	Gate valve 1/2" GS	2	PC'S		
6	Union 1/2" GS	2	PC'S		
7	Flow trap 1 1/2"	2	PC'S		
8	PVC 1 1/2" pipe	3	PC'S		
9	Elbow 1 1/2" pvc	5	PC'S		
10	Tee 1 1/2" pvc	3	PC'S		
11	Plug 1 1/2" pvc	4	PC'S		
12	Flexible pipe 1/2"	4	PC'S		
13	Elbow 1/2" IPS	7	PC'S		
14	Nipple -1/2" IPS	7	PC'S		
15	Seal tape	10	PC'S		
16	PVC Elbow 4"	2	PC'S		
17	PVC pipe 4" -CLASS B	2	PC'S		
18	PVC vent	2	PC'S		
19	IPS pipe 1/2"	4	PC'S		
20	Elbow 1/2" IPS	15	PC'S		
21	Tee 1 1/2" IPS	8	PC'S		
22	Gully trap	2	PC'S		
23	Nipple -IPS	4	PC'S		
24	Tread tap	7	PC'S		
25	Shower rose	2	PC'S		
26	WC High level complet with all necessary fittings	2	PC'S		
27	Toilet aper holder	2	PC'S		
28	PVC clamp -4"	8	PC'S		
29	Hands wash basin complete with 6" Levers operating for elbow control and its accessories	3	PC'S		
30	Mirror	3	PC'S		
	SUB-TOTAL FOR PLUMBING AND SANITARY INSTALLATION				

<u>GENERAL SUMMARY</u>		AMOUNT
		TZS
	<u>STAFF HOUSE</u>	
A.	SUBSTRUCTURE -PROVISIONAL	
B.	SUPERSTRUCTURE	
C.	ROOF STRUCTURE & COVERING	
D.	CEILING	
E.	DOOR	
F.	WINDOWS	
G.	FINISHING	
H.	PAINTING & DECORATION	
J.	ELECTRICAL INSTALLATION	
K.	PLUMBING & SANITARY INSTALLATION-PROVISIONAL	
TOTAL MATERIALS COST		TZS

SCHEDULE OF LABOUR'S

Na.	AINA YA KAZI	BEI YA UFUNDI - Shs
A	<u>Msingi wa Jengo (Sub-structure)</u>	
1	Kuseti jengo	
2	Uchimbaji wa msingi	
3	Kufukia	
	<u>Kufunga mbao</u>	
4	Pembezeni mwa jamvi	
5	Pembezeni mwa nguzo	
6	Kuondoa mbao	
	<u>Kumwaga zege</u>	
7	Chini kwenye msingi wa tofali	
8	Chini kwenye msingi wa nguzo	
9	katika nguzo ya awali	
10	kwenye jamvi	
11	Ujenzi wa tofali (994 No)	
	<u>Mawe</u>	
12	Upangaji wa mawe na utandazaji wa DPM	
13	Umwagiliaji wa maji	
	Jumla ndogo msingi wa jengo	
B.	<u>Kunyanyua jengo (Super-structure)</u>	
1	Ujenzi wa tofali za kuta na uwekaji DPC (1759No)	
	<u>Kufunga mbao katika:</u>	
2	Nguzo mlalo	
3	Nguzo wima	
	<u>Kusuka nondo katika:</u>	
4	Nguzo mlalo	
5	Nguzo wima	
	<u>Kumwaga zege katika:</u>	
6	Nguzo mlalo	
7	Nguzo wima	
8	Umwagiliaji wa maji	
C.	<u>Kuezeka (Roof structure and covering)</u>	
	Kuezeka na ufungaji wa gata	
	Jumla ndogo kunyanyua jengo	

Na.	AINA YA KAZI	BEI YA UFUNDI - Shs
D.	<u>Milango</u>	
1	Kufitisha fremu za milango	
2	Kufitisha shata za milango pamoja na vitasa	
3	Upakaji wa Varnishi katika milango na fremu	
E.	<u>Umaliziji (Finishing)</u>	
	<i>Upigaji wa lipu pamoja na kutengeneza koplo:</i>	
1	Nje ya jengo	
2	Ndani ya jengo	
	<u>Sakafu</u>	
3	Uwekaji wa sakafu ya kupokea vigae (beds)	
4	Uwekaji wa vigae pamoja na grauti katika sakafu (floor tiles) -	
	<u>Dali:</u>	
6	Ufungaji wa mbao za dali (Branding)	
7	Uwekaji wa dali na mikanda ya gypsum	
8	Uwekaji wa dali ya pvc kuzunguka nyumba kwa nje	
9	Uwekaji wa vigae katika kuta na upakaji grout	
	Jumla ndogo umaliziji(finishing)	
F.	<u>Rangi na Mapambo (Painting & Decoration)</u>	
	<u>Kupaka rangi mikono mitatu pamoja na skimming katika:</u>	
1	Kuta za nje	
2	Kuta za ndani	
3	Dali	
	<u>Kupaka rangi mikono mitatu katika:</u>	
5	Msingi wa nyumba	
6	Grill za milango na madirisha	
	Jumla ndogo Rangi na mapambo	
G.	<u>Umeme (Electrical installation)</u>	
1	Usukaji wa umeme awamu ya kwanza - Conduit na Box	
2	Usukaji wa umeme awamu ya pili (2nd fix)-fittings	
	Jumla ndogo Umeme	

Na.	AINA YA KAZI	BEI YA UFUNDI - Shs
H.	<u>Mifumo ya maji safi na taka (Water Supply and Sewage system)</u>	
1	Ufungaji bomba awamu ya kwanza (Kuchimbia bomba)	
2	Ufungaji bomba awamu ya pili (2nd fix) -fittings	
3	Ufungaji wa Mifumo ya maji ya mvua kwenda kwenye tanki	
	Jumla ndogo Mifumo ya maji safi na taka	

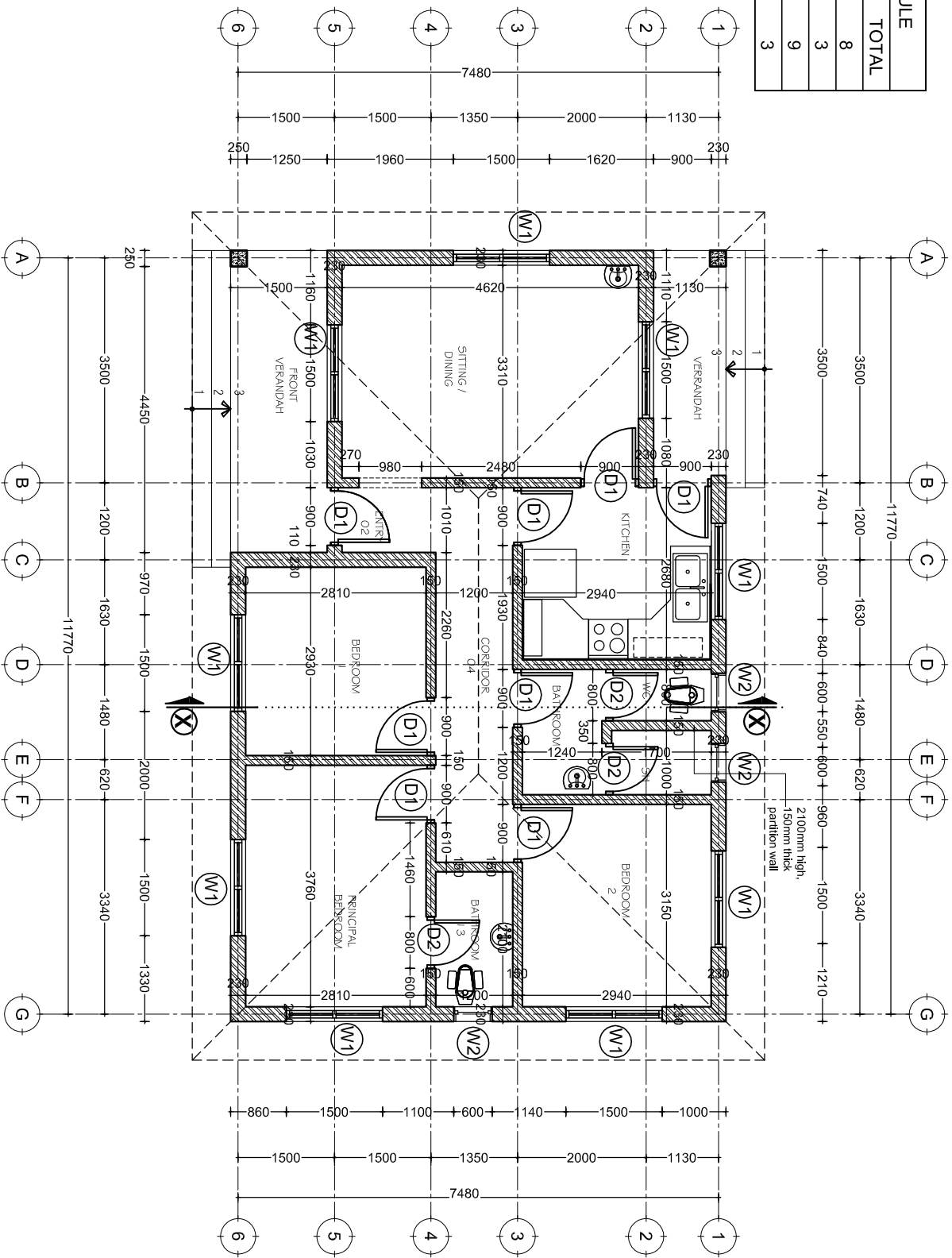
MAJUMUISHO (SUMMARY)		
		Shs
A.	Msingi wa Jengo (Sub-structure)	
B.	Kunyanyua jengo (Super-structure)	
C.	Kuezeka (Roof structure and covering)	
D.	Milango	
E.	Umalizijaji (Finishing)	
F.	Rangi na Mapambo (Painting & Decoration)	
G.	Umeme (Electrical installation)	
H.	Mifumo ya maji safi na taka (Water Supply and Sewage system)	
	JUMLA KUU Shs.	

ANGALIZO:

Fundi anatakiwa kujaza hii fomu kwa kupitia mchoro wa jengo husika

DRAWINGS

DOOR & WINDOW SCHEDULE			
NO.	WIDTH	HEIGHT	TOTAL
D1	900mm	2500mm	8
D2	800mm	2100mm	3
W1	1500mm	1500mm	9
W2	600mm	600mm	3



GROUND PLAN
SCALE: 1:100
TOTAL AREA = 93sqm

Building Section
 Policy and Planning Department
 Ministry of Health, Community Development,
 Gender, Elderly and Children
 University of Dodoma
 College of Humanities and Social Science | 11th
 Building,
 P. O. Box 743,
 40478 DODOMA

No.	Description	Date

Client:
**PRESIDENT OFFICE, REGIONAL ADMINISTRATION
 AND LOCAL GOVERNMENT**
 Project:
PROPOSED HEALTH CENTER

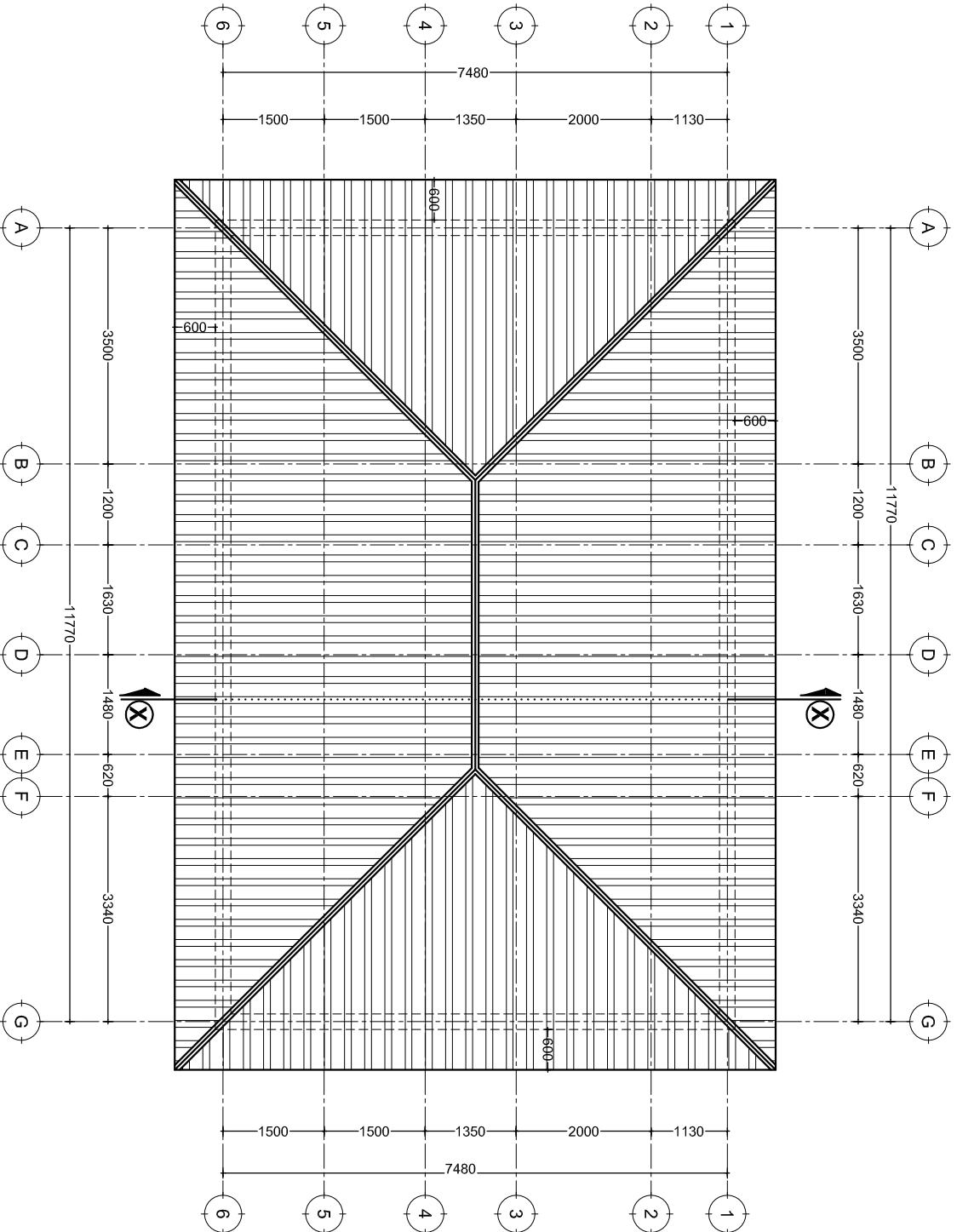
Approved

STAFF QUARTERS
Ground Floor Plan
 Project number: 2018 / 02 / 01
 Date: 02 FEBRUARY 2018
 Drawn by: DONMI
 Checked by: DONMI
 Scale: 1:100

A I O I

ROOF PLAN

SCALE: 1:100



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 Policy and Planning Department
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 University of Dodoma
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 40478 DODOMA

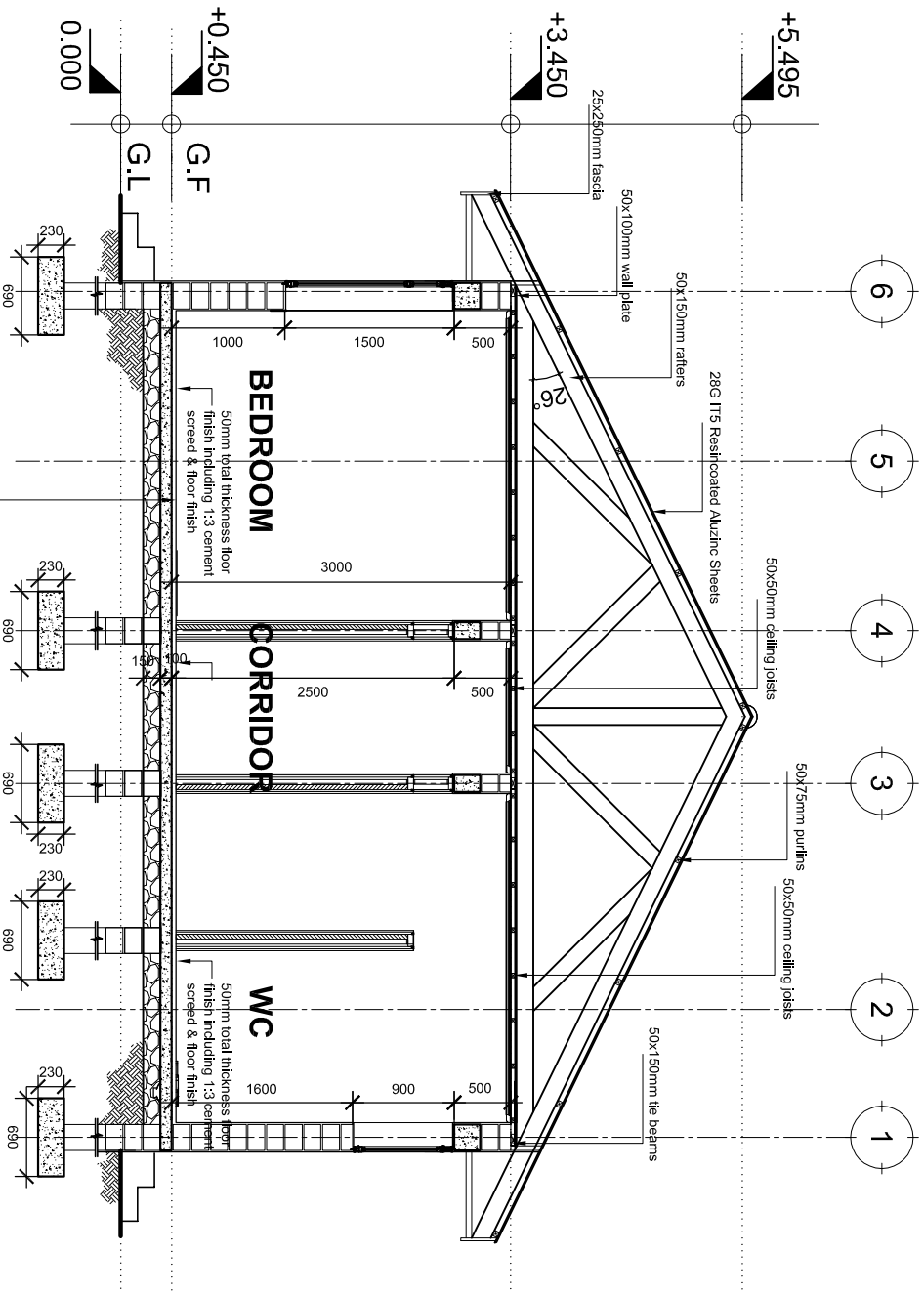
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No.	Description	Date

Client
 PRESIDENT OFFICE, REGIONAL ADMINISTRATION
 AND LOCAL GOVERNMENT
 Project
 PROPOSED HEALTH CENTER

STAFF QUARTERS
Roof Plan

Project number: 2018 / 02 / 01
 Date: 02 FEBRUARY 2018
 Drawn by: DCNM
 Checked by: DCNM
 Scale: 1 : 100
 A / 02



SECTION X-X
SCALE: 1:50

Building Section
Policy and Planning Department
Ministry of Health, Community Development,
Gender, Elderly and Children
University of Dodoma
College of Humanities and Social Science | 11th
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P. O. Box 743,
40478 DODOMA

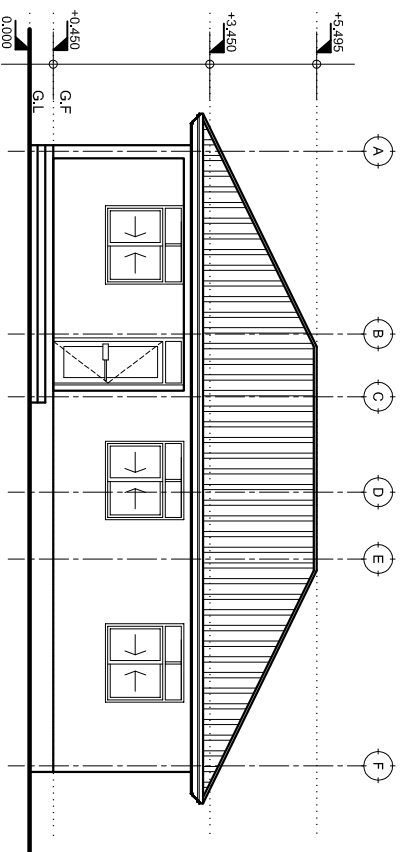
Approved

No.	Description	Date

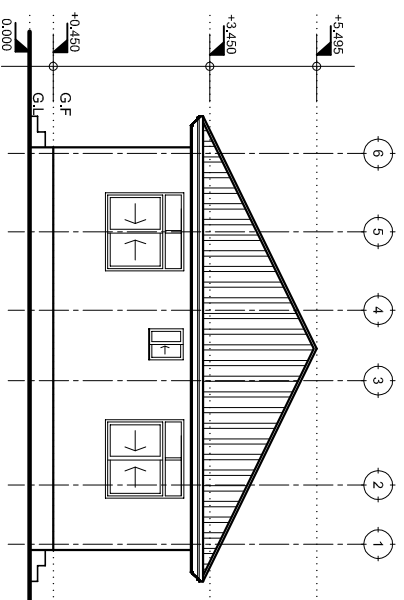
Client
**PRESIDENT OFFICE, REGIONAL ADMINISTRATION
AND LOCAL GOVERNMENT**
Project
PROPOSED HEALTH CENTER

STAFF QUARTERS
Section X-X

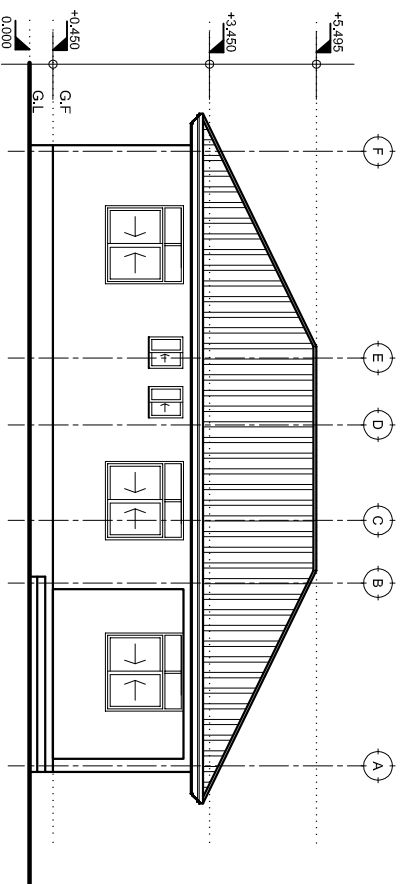
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Date:	02 FEBRUARY 2018		
Drawn by:	DDMM		
Checked by:	DDMM	Scale	1:50



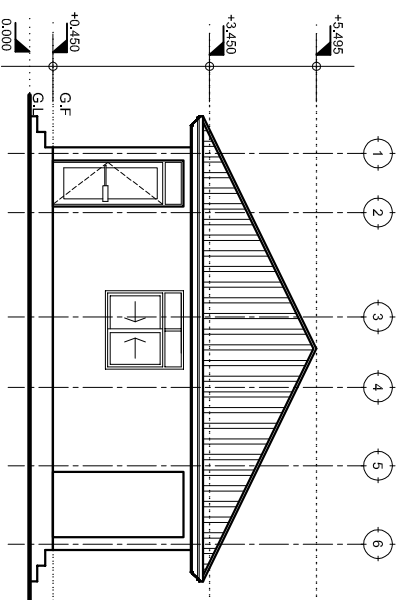
FRONT ELEVATION



RIGHT SIDE ELEVATION



REAR ELEVATION



LEFT SIDE ELEVATION

ELEVATIONS

SCALE: 1:100

Building Section
 Policy and Planning Department
 Ministry of Health, Community Development,
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Approved

No.	Description	Date

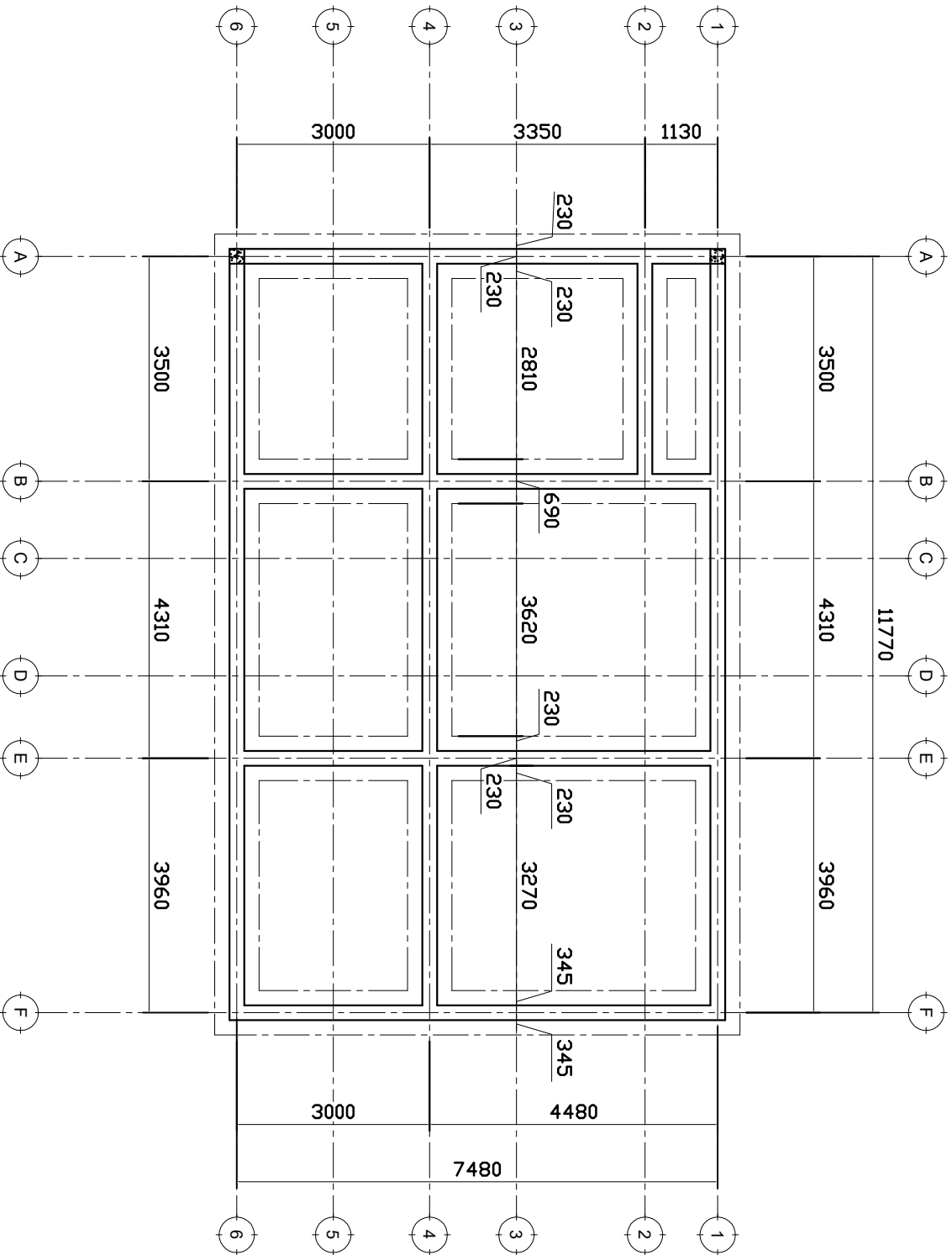
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 AND LOCAL GOVERNMENT
 Project
 PROPOSED HEALTH CENTER

STAFF QUARTERS Elevations

Project number 2018 / 02 / 01
 Date 02 FEBRUARY 2018
 Drawn by DGNM
 Checked by DGNM

A104

Scale 1:100



FOUNDATION PLAN

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 $f_{cu}=25N/mm^2$ 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

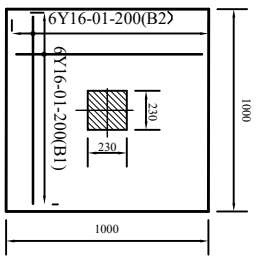
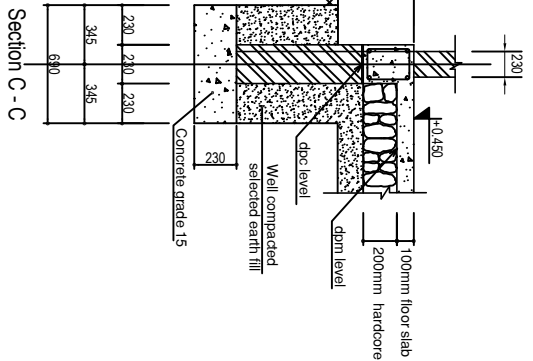
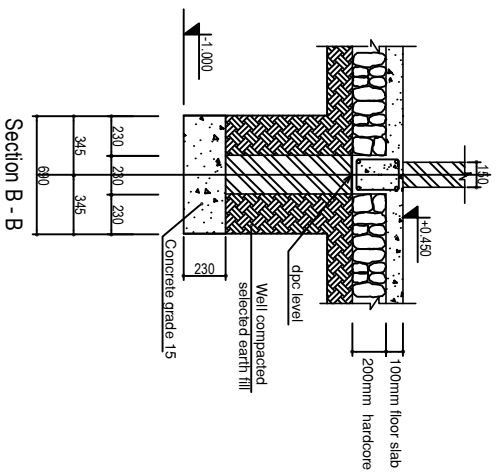
PROJECT:
PROPOSED REHABILITATION OF HEALTH CENTRE

CLIENT:
 PRESIDENT'S OFFICE
 REGIONAL ADMINISTRATION
 LOCAL GOVERNMENT

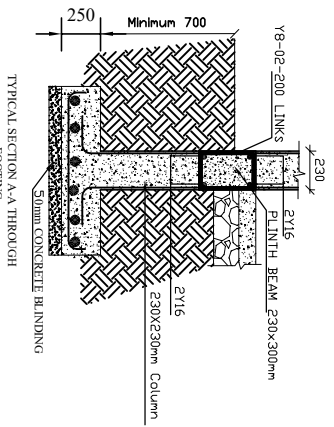
MINISTRY OF HEALTH,
 COMMUNITY DEVELOPMENT,
 GENDER AND CHILDREN

DRAWING TITLE:
STAFF HOUSE FOUNDATION LAYOUT

Designed by:	Eng. R.A.M
Drawn by:	ENG. MKHOTYA
Checked by:	Eng. R.A.M
Approved by:	
Date:	2018
Scale:	
Drawing No.	STR.101
Sheet:	



COLUMN FOOTING: H1-4h/6c
 1000x1000x250mm



Typical Section A-A Through Footing

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 25 with $f_{cu}=25N/mm^2$ 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

PROJECT:
PROPOSED REHABILITATION OF HEALTH CENTRE

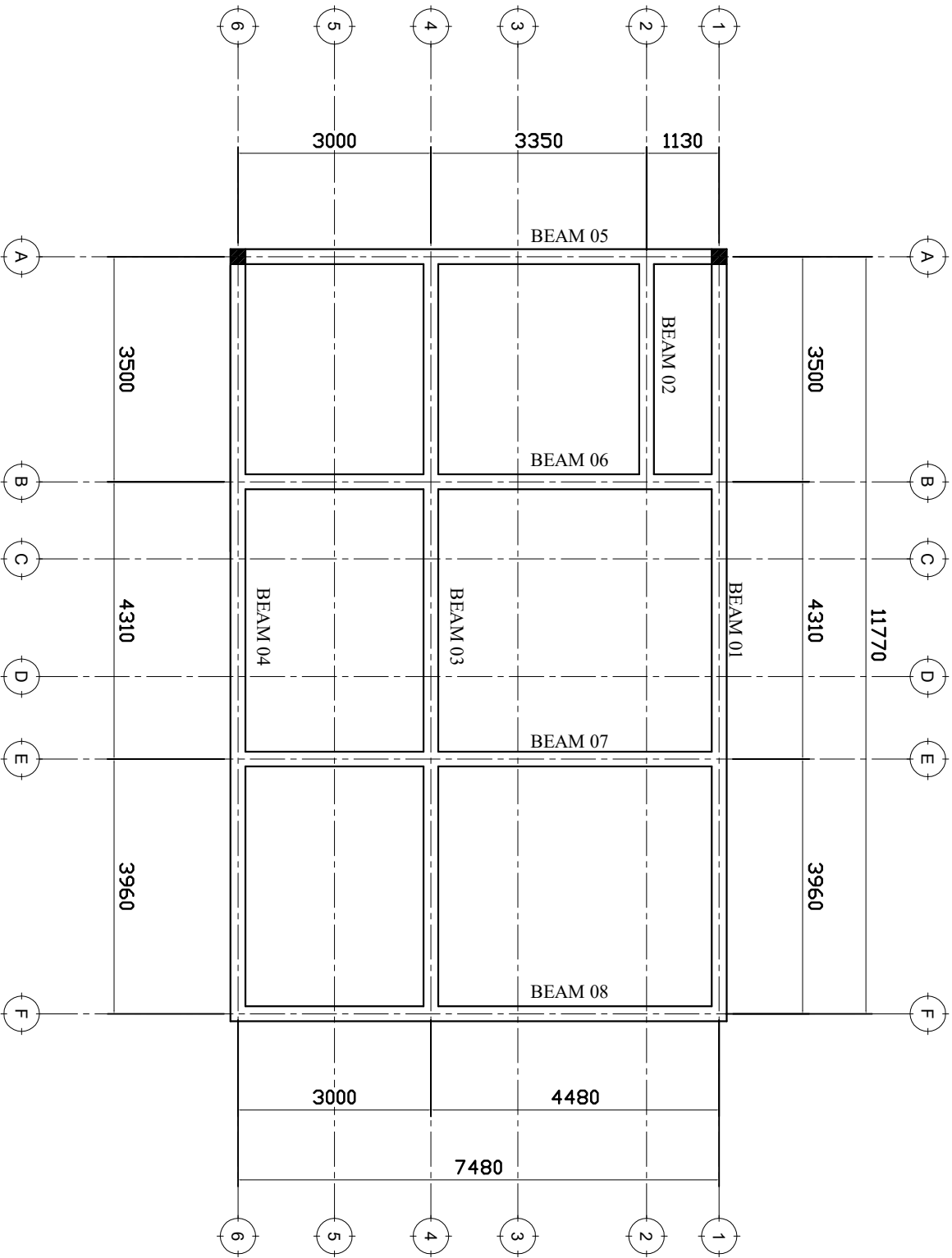
CLIENT:
 PRESIDENT'S OFFICE
 REGIONAL ADMINISTRATION
 LOCAL GOVERNMENT

MINISTRY OF
 HEALTH, COMMUNITY
 DEVELOPMENT, GENDER,
 ELDERLY AND CHILDREN

DRAWING TITLE:
STAFF HOUSE PLINTH BEAM LAYOUT

Designed by:	Eng. R.A.M
Drawn by:	Eng. R.A.M
Checked by:	ENG. AMKHOTYA
Approved by:	
Date:	2018
Scale:	
Drawing No.	STR_102
Sheet:	

FOUNDATION DETAILS



FOUNDATION BEAM LAYOUT

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 25 with $f_{cu}=25N/mm^2$ 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

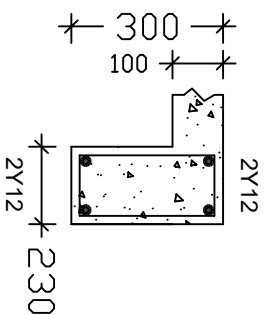
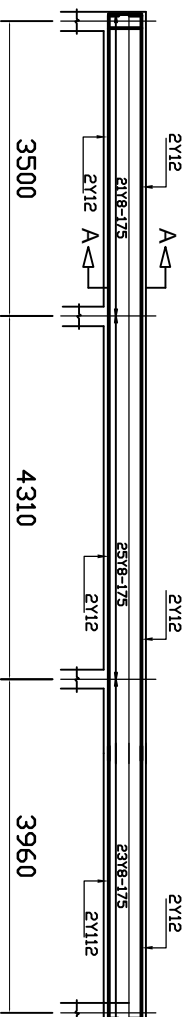
PROJECT:
PROPOSED REHABILITATION OF HEALTH CENTRES

CLIENT:
 PRESIDENT'S OFFICE
 REGIONAL ADMINISTRATION
 LOCAL GOVERNMENT

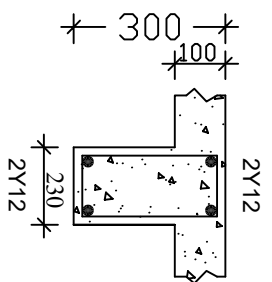
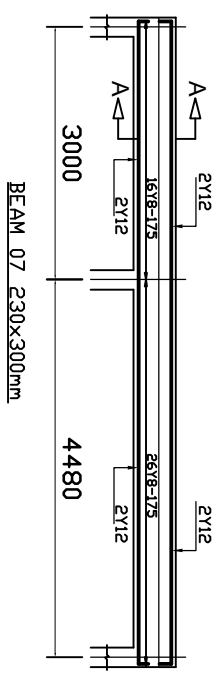
MINISTRY OF
 HEALTH, COMMUNITY
 DEVELOPMENT, GENDER,
 ELDERLY AND CHILDREN

DRAWING TITLE:
 STAFF HOUSE PLINTH
 BEAM LAYOUT

Designed by:	Eng. R.A.M
Drawn by:	Eng. R.A.M
Checked by:	Eng. A. MKHOTVA
Approved by:	
Date:	2018
Drawing No.	STR.103
Scale:	
Sheet:	



SECTION B-B



SECTION A-A

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 25 with $f_{cu}=25N/mm^2$ 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

PROJECT:

PROPOSED REHABILITATION OF HEALTH CENTRES

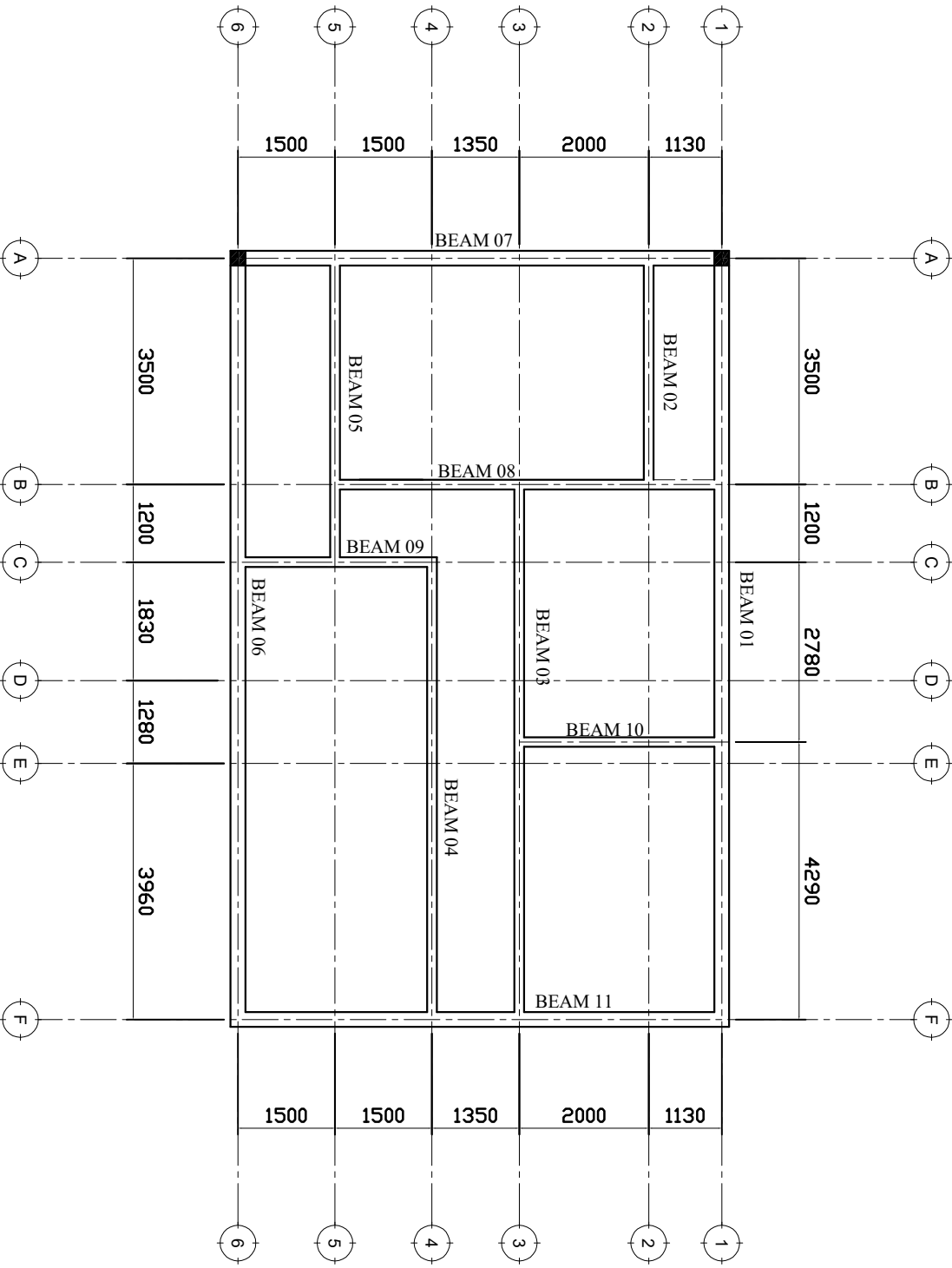
CLIENT:

PRESIDENT'S OFFICE
REGIONAL ADMINISTRATION
LOCAL GOVERNMENT

MINISTRY OF
HEALTH, COMMUNITY
DEVELOPMENT, GENDER,
ELDERLY AND CHILDREN

DRAWING TITLE:
STAFF HOUSE PINTH BEAM DETAILS

Designed by:	Eng. R.A.M
Drawn by:	Eng. R.A.M
Checked by:	Eng. A.MKOTYA
Approved by:	
Date:	2018
Scale:	
Drawing No.	STR.104
Sheet:	



RING BEAM LAYOUT

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 25 with $f_{cu}=25N/mm^2$ at 28 days of age
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5. Nominal cover to the reinforcements:
 - a) Foundation 50mm
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 - c) Beam 25mm
 - d) Slab 25mm

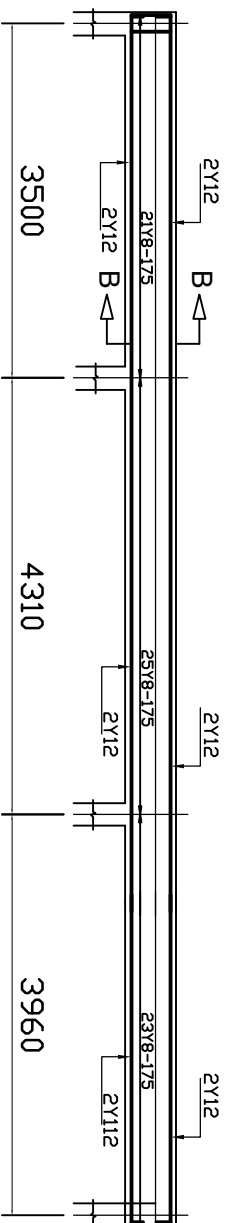
PROJECT:
PROPOSED REHABILITATION OF HEALTH CENTRES

CLIENT:
 PRESIDENT'S OFFICE
 REGIONAL ADMINISTRATION
 LOCAL GOVERNMENT

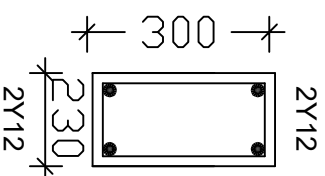
MINISTRY OF
 HEALTH COMMUNITY
 DEVELOPMENT, GENDER,
 ELDERLY AND CHILDREN

DRAWING TITLE:
STAFF HOUSE RINGBEAM LAYOUT

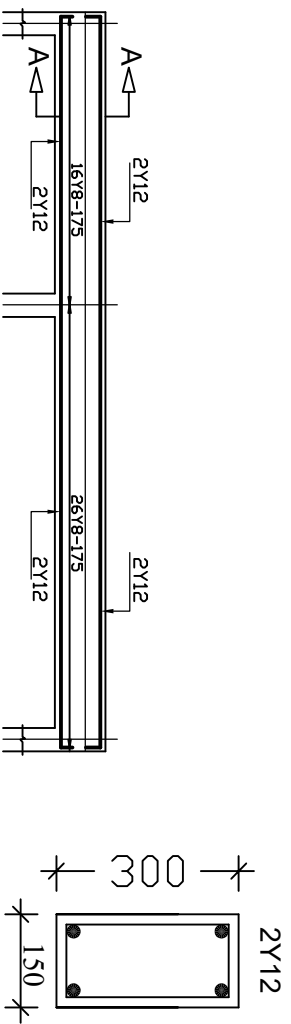
Designed by:	Eng. R.A.M
Drawn by:	Eng. R.A.M
Checked by:	Eng. A.MKHOTVA
Approved by:	
Date:	2018
Scale:	
Drawing No.	STR. 105
Sheet:	



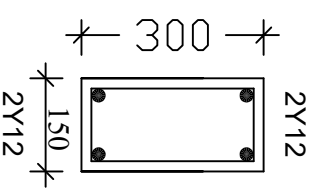
BEAM 01 230x300mm for external walls



SECTION B-B



BEAM 03 150x300mm For Internal walls



SECTION A-A

NOTE:

1. All dimensions are in mm unless otherwise specified
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 - b) Column 25mm
 - c) Beam 25mm
 - d) Slab 25mm

PROJECT:
PROPOSED REHABILITATION OF HEALTH CENTRES

CLIENT:
PRESIDENT'S OFFICE
REGIONAL ADMINISTRATION
LOCAL GOVERNMENT

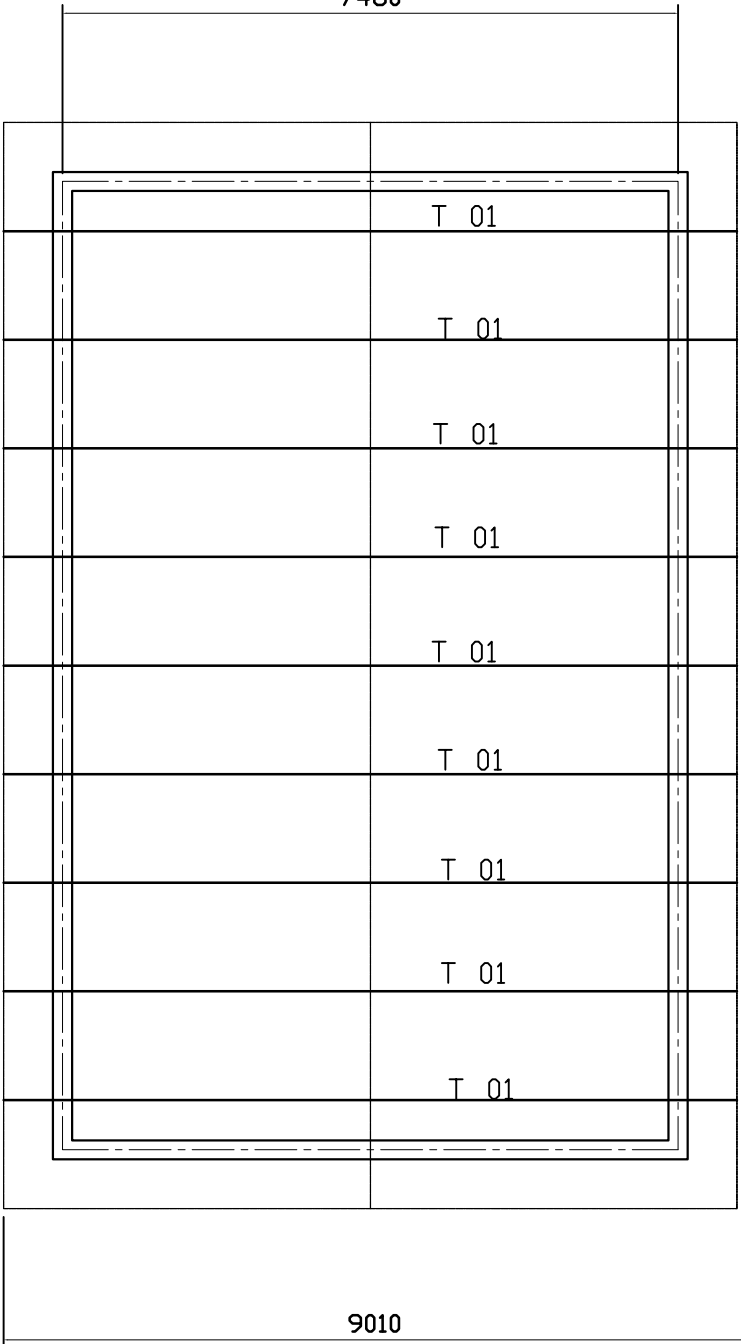
MINISTRY OF
HEALTH, COMMUNITY
DEVELOPMENT, GENDER,
ELDERLY AND CHILDREN

DRAWING TITLE:
STAFF HOUSE RING BEAM DETAILS

Designed by:	Eng. R.A.M
Drawn by:	Eng. R.A.M
Checked by:	Eng. A.MKHOTVA
Approved by:	
Date:	2018
Drawing No.	STR.106
Sheet:	

13200

1320 | 1320 | 1320 | 1320 | 1320 | 1320 | 1320 | 1320 | 1320 | 1320



1320 | 1320 | 1320 | 1320 | 1320 | 1320 | 1320 | 1320 | 1320 | 1320

NOTE:

1. All dimensions are in mm unless otherwise specified
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3. Reinforced concrete shall be of grade 25 with $f_{cu}=25N/mm^2$ at 28 days of age
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 - b) Column 25mm
 - c) Beam 25mm
 - d) Slab 25mm

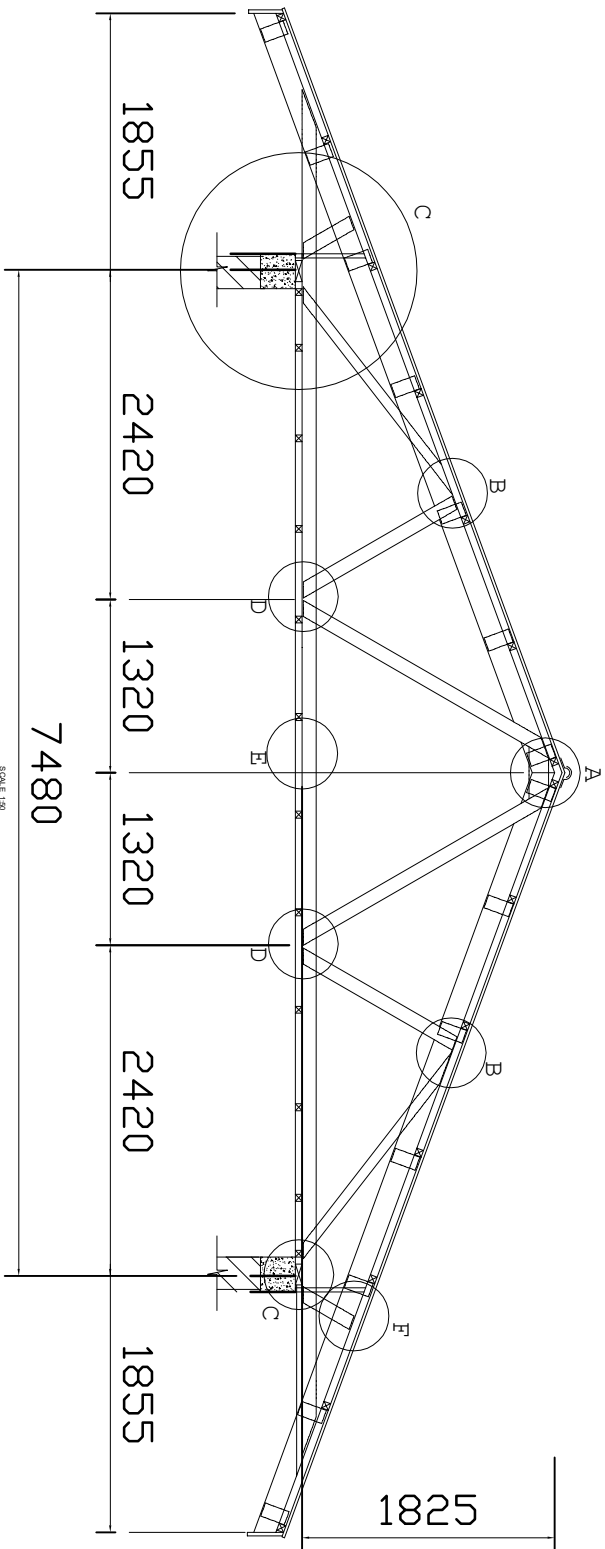
PROJECT:
PROPOSED REHABILITATION OF HEALTH CENTRES

CLIENT:
**PRESIDENT'S OFFICE
REGIONAL ADMINISTRATION
LOCAL GOVERNMENT**

**MINISTRY OF
HEALTH, COMMUNITY
DEVELOPMENT, GENDER,
ELDERLY AND CHILDREN**

DRAWING TITLE:
TRUSS LAYOUT

Designed by:	Eng. R.A.M
Drawn by:	Eng. R.A.M
Checked by:	Eng. A.MKHOTYA
Approved by:	
Date:	2018
Drawing No.	STR.107
Scale:	
Sheet:	



TYPICAL ROOF TRUSS T01 ; 9Nos.

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 25 with $f_{cu}=25N/mm^2$ 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

PROJECT:
PROPOSED REHABILITATION OF HEALTH CENTRES

CLIENT:
 PRESIDENT'S OFFICE
 REGIONAL ADMINISTRATION
 LOCAL GOVERNMENT

MINISTRY OF
 HEALTH, COMMUNITY
 DEVELOPMENT, GENDER,
 ELDERLY AND CHILDREN

DRAWING TITLE:
**STAFF HOUSE TRUSS
 DETAILS**

Designed by: Eng. R.A.M

Drawn by: Eng. R.A.M

Checked by: Eng. A. MKOTYA

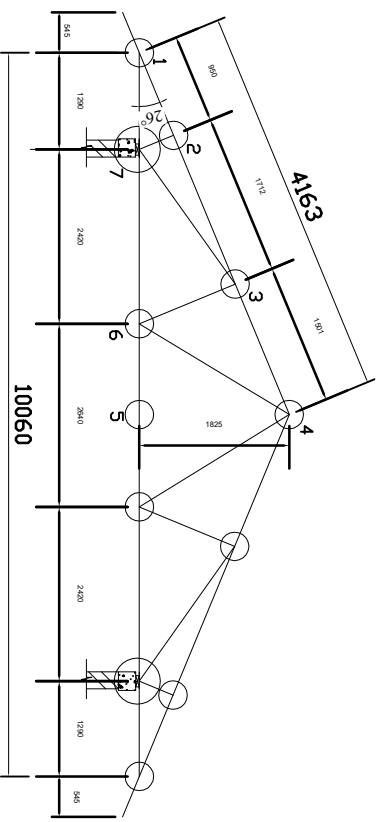
Approved by:

Date: **2018**

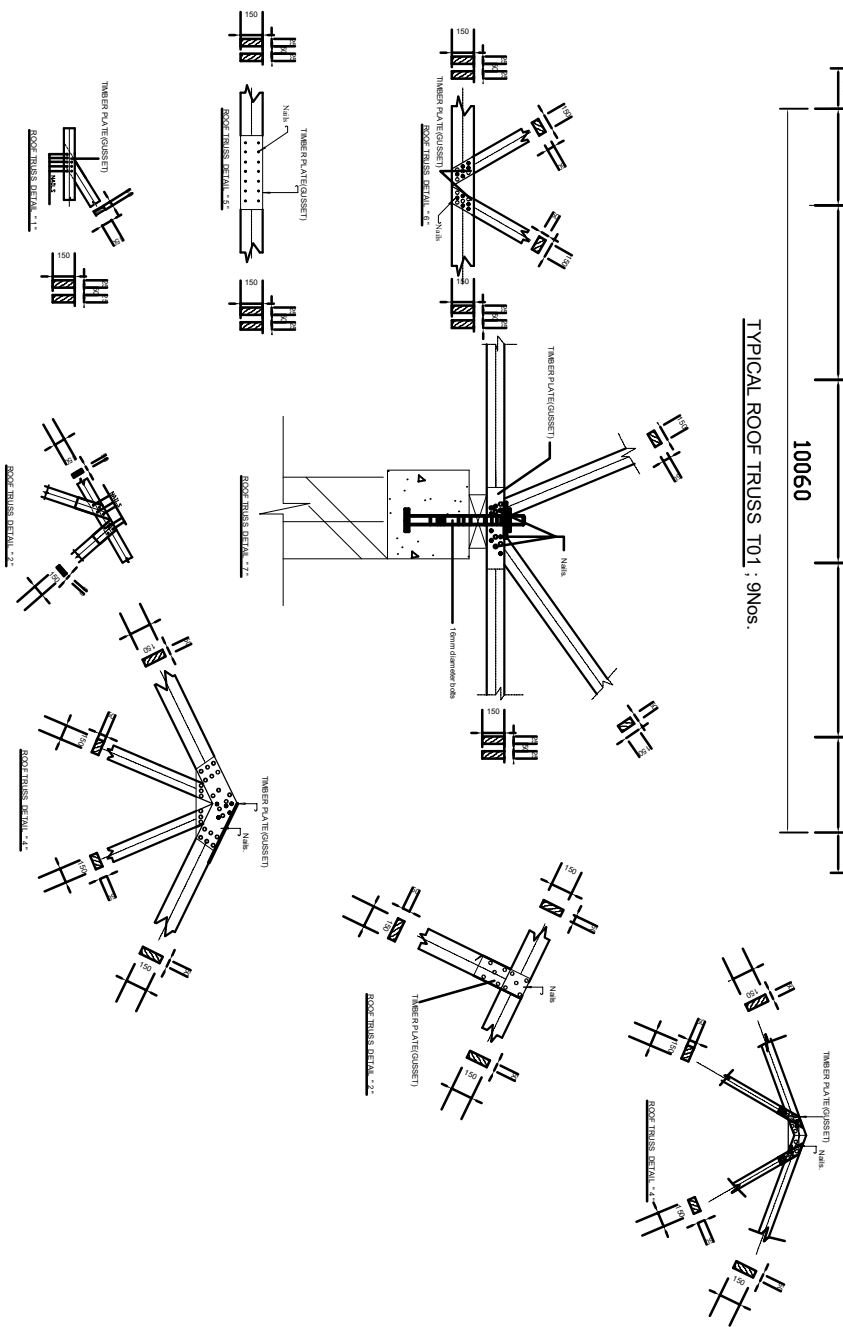
Scale:

Drawing No. **STR.108**

Sheet:



TYPICAL ROOF TRUSS: T01 : 9NOS.



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 25 with $f_{cu}=25N/mm^2$ at 28 days of age
4. Main reinforcements shall be high tensile steel with $f_y = 460N/mm^2$
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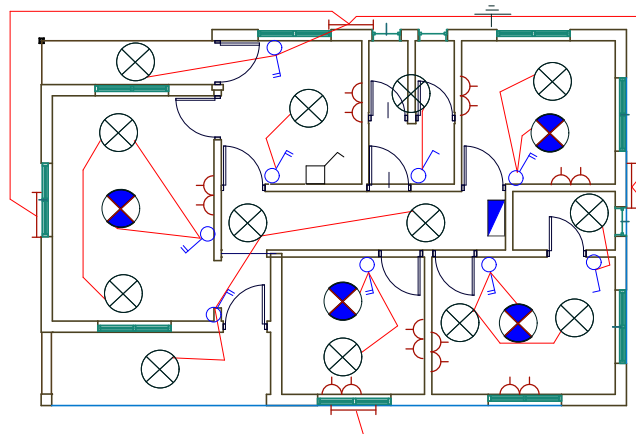
PROJECT:
PROPOSED REHABILITATION OF HEALTH CENTRES

CLIENT:
 PRESIDENT'S OFFICE
 REGIONAL ADMINISTRATION
 LOCAL GOVERNMENT

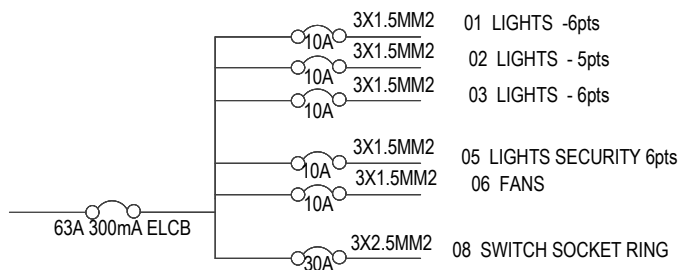
MINISTRY OF
 HEALTH, COMMUNITY
 DEVELOPMENT, GENDER,
 ELDERLY AND CHILDREN

DRAWING TITLE:
STAFF HOUSE TRUSS DETAILS AND CONNECTIONS

Designed by:	Eng. R.A.M
Drawn by:	Eng. R.A.M
Checked by:	Eng. A. MKHOTYA
Approved by:	
Date:	2018
Scale:	
Drawing No.	STR.109
Sheet:	



6WAYS SPN DISTRIBUTION BOARD STH






























Building Section
 Policy and Planning Department,
 Ministry of Health, Community Development,
 Gender, Elderly and Children
 6 Samora Machel Avenue
 P.O. Box 9083, Dar es Salaam
 Tel +25522234000/5
 Fax +255222137591

Approved	NO	Description	Date

CLIENT:-
 PRESIDENT OFFICE,
 REGIONAL ADMINISTRATION
 AND LOCAL GOVERNMENT,
 PROJECT:-
 PROPOSED HEALTH CENTER

ELECTRICAL PLAN STAFF HOUSE
 Project No
 Date 4 FEB, 2018
 Drawn by EEC
 Checked by EEC
 Scale 1:100

ELECTRICAL SYMBOLS

 Fluorescent light fitting Single tube 1200mm	 Water pump /  Extract fan
 Fluorescent light fitting twin tube 1200mm	 20A Double pole switch
 Incandescent lamp	 Electrical point
 6A 1gang 1way switch	 3PH Socket
 6A 2gang 1way switch	 Telephone outlet direct line
 6A 3gang 1way switch	 Telephone outlet extension line
 6A 3gang 1way switch	 TV outlet
 6A 1gang 2way switch	 Ceiling mounted fan
 6A 2gang 2way switch	 Fan regulator
 6A 3gang 1way switch	 Earthing
 13A Switch socket outlet single	 Miniature Circuit Breaker with rating
 13A Switch socket outlet twin	 Moulded Case Circuit Breaker with rating
 Distribution board or Consumer unit as applicable	<u>ELECTRICAL ABBREVIATIONS</u>
 cooker control unit	SWA Steel Wire Armoured
	SPN Single Phase & Neutral
	TPN Three Phase & Neutral
	DB Distribution Board

Building Section
Policy and Planning Department,
Ministry of Health, Community Development ,
Gender, Elderly and Children
6 Samora Machel Avenue
P.O. Box 9083, Dar es Salaam
Tel +25522234000/5
Fax +255222137591

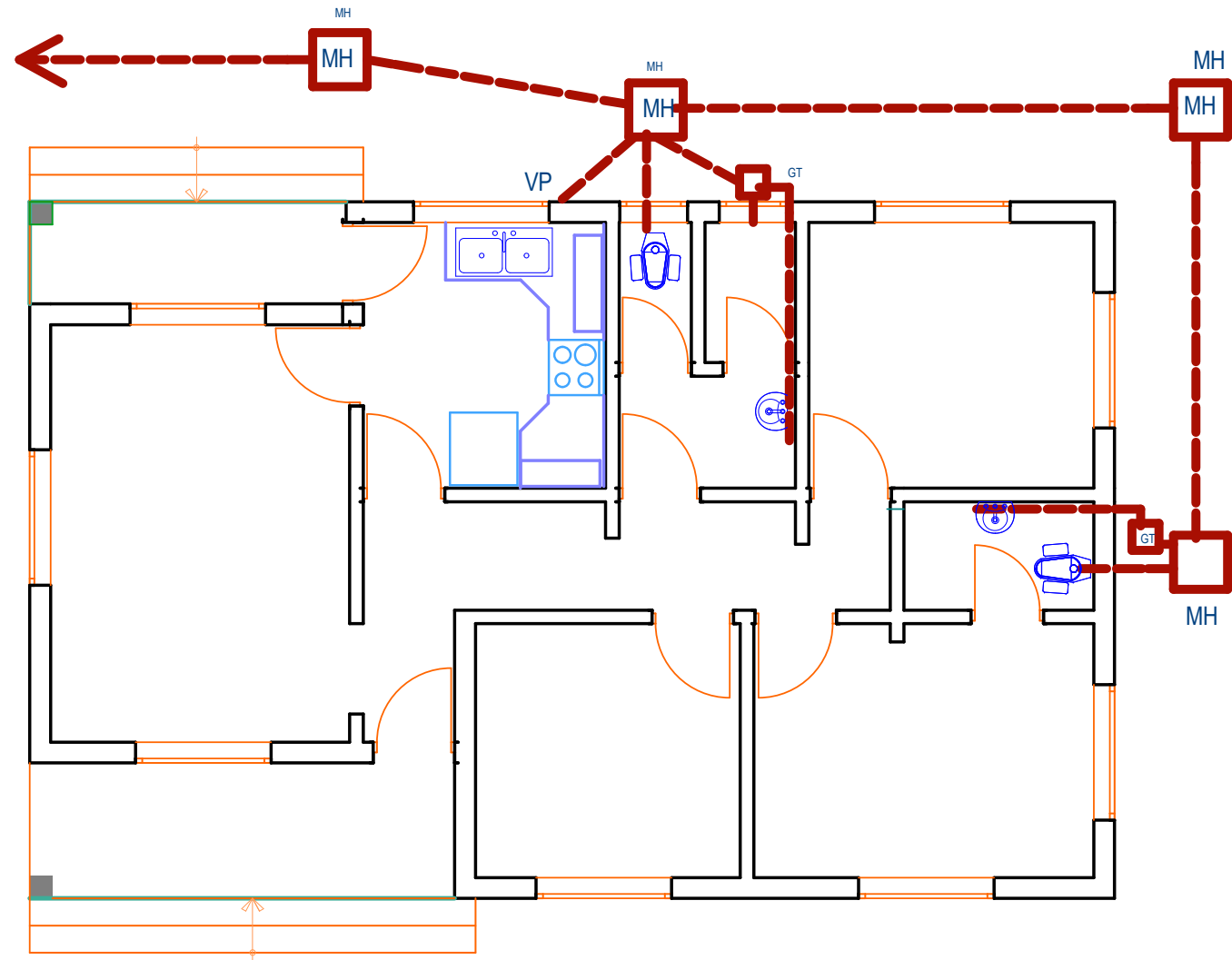
Approved	NO	Description	Date

CLIENT:-
PRESIDENTS OFFICE,
REGIONAL ADMINISTRATION AND
LOCAL GOVERNMENT.

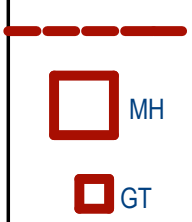
PROJECT:-
PROPOSED HEALTH CENTER

ELECTRICAL PLAN ELECTRICALA SYMBOLS	
Project No	
Date	30 JAN, 2018
Drawn by	EEC
Checked by	EEC
Scale	1 : 100

To Septic tank and soak away pit



KEY



DRAIN

MANHOLES

GULLY TRAP

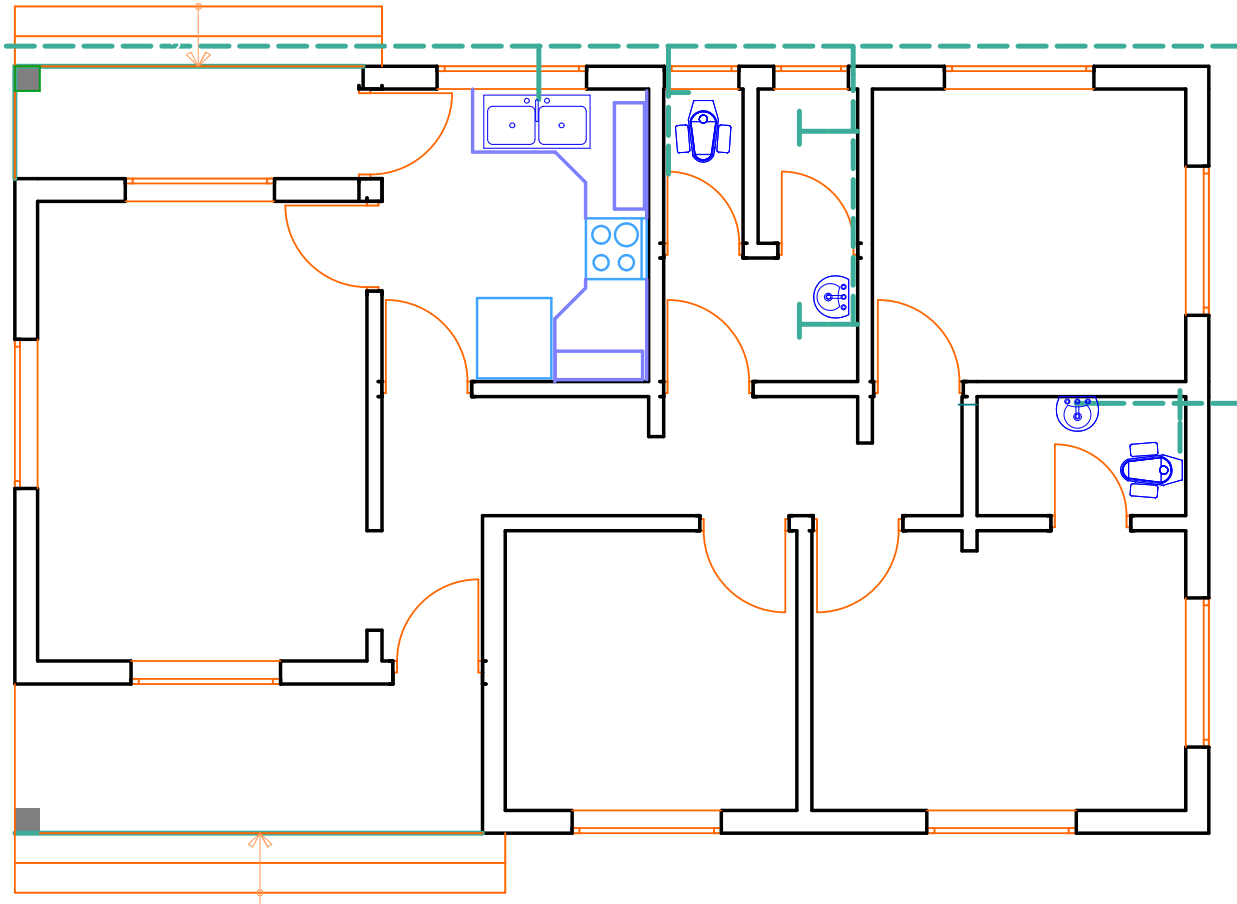
Building Section
Policy and Planning Department
Ministry of Health, Community Development,
Gender, Elderly and Children,
University of Dodoma,
College of Humanities and Social Sciences 11th
Building,
P.O.Box 743,
Dodoma

NO.	Description	Date

CLIENT
PRESIDENT OFFICE,
REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT,
PROJECT
PROPOSED HEALTH CENTRES

STAFF HOUSE Drainage	
PROJECT NO.	
DATE FEB, 2018	
DRAWN BY SUDI	
CHECKED BY SUDI	

From main suppliers



KEY
WATER

Building Section
Policy and Planning Department
Ministry of Health, Community Development,
Gender, Elderly and Children,
University of Dodoma,
College of Humanities and Social Sciences 11th
Building,
P.O.Box 743,
Dodoma

NO.	Description	Date

CLIENT
PRESIDENT OFFICE,
REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT,
PROJECT
PROPOSED HEALTH CENTRES

STAFF HOUSE
Water

PROJECT NO.	
DATE FEB, 2018	
DRAWN BY SUDI	
CHECKED BY SUDI	