

THE UNITED REPUBLIC OF TANZANIA



PRESIDENT'S OFFICE  
REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT

## PROPOSED DISPENSARY

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Schedule of Material, Labour & Drawings for Staff Quarter

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### PROJECT AREA

#### TANZANIA MAINLAND

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

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

APRIL, 2018

PO-RALG

# **Schedule of Materials**

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
	<b><u>MATERIALS</u></b>				
<b>A</b>	<b>SUBSTRUCTURE -PROVISIONAL</b>				
1	<b><u>Strip Foundation - Grade 15 Plain</u></b>				
	Aggregate (3/4")	12	M <sup>3</sup>		
	Sand	6	M <sup>3</sup>		
	Cement-50kgs	54	Bags		
2	<b><u>Foundation Walls</u></b>				
	6" Cement & Sand Block	1,232	No		
	Sand	4	M <sup>3</sup>		
	Cement -50kgs	21	Bags		
3	<b><u>Moram, Hardcore &amp; Site sterilization</u></b>				
	Moram-(4.5m <sup>3</sup> lorry)	8	Trips		
	Hadcore-(4.5m <sup>3</sup> lorry)	4	Trips		
	Sand	6	M <sup>3</sup>		
	Aldrin solution or equal and approved	735	Litres		
4	<b><u>Oversite Concrete (100mm thick - 15 grade) &amp; Ground Beam - 20 grade</u></b>				
	DPM	105	M <sup>2</sup>		
	Cement -50kgs	97	Bags		
	Aggregates (1/2")	16	M <sup>3</sup>		
	Sand	9	M <sup>3</sup>		
	Reinforcement - 12mm diameter high tensile	26	PC'S		
	Reinforcement - 8mm diameter	32	PC'S		
	Timber 1" X 8" (5.2m long)	9	PC'S		
	Timber 2" X 2"	10	PC'S		
	Nails-4"	15	Kgs		
	Nails-3"	12	Kgs		
	Supporting props	18	PC'S		
	<b>SUB-TOTAL SUB STRUCTURE</b>				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
<b>B.</b>	<b>SUPERSTRUCTURE</b>				
1	<b><u>Walls &amp; Ring beam</u></b>				
	6" Cement & Sand Block	2,604	No		
	DPC (20m long)	4	Roll		
	Sand	12	M <sup>3</sup>		
	Cement-50kgs	90	Bags		
	Aggregates (1/2")	5	M <sup>3</sup>		
	Reinforcement - 12mm diameter high tensile	27	PC'S		
	Reinforcement - 8mm diameter	36	PC'S		
	Binding Wire - 1kg	9	Bundle		
	Timber 1" X 8" to Sides (5.2m long)	16	PC'S		
	Timber 1" X 5" (Plates)	7	PC'S		
	Timber 2" X 2"	25	PC'S		
	Supporting Props	48	PC'S		
	<b>SUB-TOTAL SUPER STRUCTURE</b>				
<b>C.</b>	<b>ROOF STRUCTURE &amp; COVERING</b>				
1	<b><u>Roof Structure - Provisional</u></b>				
	Timber 2 " X 3" purlins	438	FT		
	Timber 2" X 4" King Post, wall plate and struss	534	FT		
	Timber 2" X 6" Rafter and Tie beam	501	FT		
	Fascia board 1" X 10" (5.2m long)	11	PC'S		
	Nails -5"	23	Kgs		
	Nails -4"	17	Kgs		
	Nails -3"	12	Kgs		
	<b>NOTE:</b> The above softwood timber structure should be pressure impregnated treated				
2	<b><u>Roof Covering</u></b>				
	28G IT resincoated sheet	120	M <sup>2</sup>		
	Hips - 28 G	3	PC'S		
	Roofing Nails	10	Box		
	<b>TO COLLECTION</b>			<b>C/F</b>	

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
				<b>B/F</b>	
<b>3</b>	<b><u>Gutter's</u></b>				
	Upvc 125mm half round (6m long)-5"	6	PC'S		
	Upvc 100mm diametre down pipe; Class B	5	PC'S		
	PVC pipe 3"	1	PC'S		
	PVC outlet	1	PC'S		
	PVC bend 90'	1	PC'S		
	PVC bend 45'	2	PC'S		
	Gutter support bracket	24	PC'S		
	Gutter Clamp 3"	2	PC'S		
	Connector/reducer	4	PC'S		
	PVC wall pipe bracket	3	PC'S		
	<b>SUB-TOTAL ROOF STRUCTURE &amp; COVERING</b>				
<b>E.</b>	<b><u>CEILING</u></b>				
	Gypsum board -12mm thick	23	PC'S		
	Plain Cornice	42	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"	1,047	FT		
	Nails 4"	11	Kgs		
	Nails 3"	13	Kgs		
	PVC ceiling with its fittings -	40	Pc's		
	<b>SUB-TOTAL FOR CEILING</b>				
<b>F.</b>	<b><u>DOOR</u></b>				
<b>1</b>	<b><u>45mm thick Pannelled door shutter</u></b>				
	900 x 2100mm high	7	PC'S		
<b>2</b>	<b><u>Frames (hardwood),Varnish, Glass &amp; Burglar bar</u></b>				
	900 x 2500mm high	7	PC'S		
	4mm thick clear glass to Vents	3	M <sup>2</sup>		
	16 mm burglar bars	2	PC'S		
	Brush 3"	2	Pcs		
	Sand paper (msasa) No.80	10	LM		
	Clear Varnish - 4Litres	1	TIN		
	Thinner for Varnish -4Litres	1	Litres		
	<b>TO COLLECTION</b>			<b>C/F</b>	

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
3	<b><u>Ironmongeries</u></b>			<b>B/F</b>	
	Mortice lock Three lever - ref: union	7	No		
	Brass hinges - 100mm	10.5	Pairs		
	Barrel bolt - 150mm	2	No		
	<b>SUB-TOTAL FOR DOORS</b>				
<b>G.</b>	<b>WINDOWS</b>				
1	<b><u>Supply and fix Aluminium Windows 2mm thick frem with fibre glass, Mosquiton gauze and its ironmongeries</u></b>				
	1200 X 1500mm high	8	PC'S		
	900 X 600mm high	3	PC'S		
2	<b><u>Supply and fix 4mm thick flat bar grill painted red-oxide</u></b>				
	1200 x 1500mm high	8	PC'S		
	900 x 600 mm high	3	PC'S		
	<b>SUB-TOTAL FOR WINDOWS</b>				
<b>H.</b>	<b>FINISHING</b>				
1	<b><u>Floor finishing</u></b>				
	Sand	5	M <sup>3</sup>		
	Cement-50kgs	32	Bags		
	600 x 600Non slippery Porcelain floor tiles (1.46 Sqm/Box)	44	Box		
	Skirting (600 mm long; 25No/Box)	6	Box		
	Grout	2	Packet		
	Spacer	2	Packet		
2	<b><u>Wall Finishing</u></b>				
	Sand	12	M <sup>3</sup>		
	Cement-50kgs	73	Bags		
	White cement - 50kg	4	Bags		
	Gypsum powder	5	Bags		
	Sand paper (msasa) No.120	0.5	Roll		
	200 X 300 Wall tiles to toilets full height (0.96Sqm/Box)	35	Box		
	Grout	3	Packet		
	Spacer	1	Packet		
	<b>SUB-TOTAL FOR FINISHING</b>				

SCHEDULE OF MATERIALS

STAFF QUARTER - (GROSS FLOOR AREA = 118 SQ.M)

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
<b>J.</b>	<b>PAINTING &amp; DECORATION</b>				
	Emulsion Paint - 20 LTRS	4	buckets		
	Weather guard Paint - 20 LTRS	3	buckets		
	Washable paint -20 LTRS	3	buckets		
	Primer paint -20 LTRS	2	buckets		
	Solvent - 5LTRS	1	TIN		
	Brush 3"	2	Pcs		
	Roller	3	Pcs		
	Gloss paint-4LTR	1	TIN		
	Bitumen paint - 4Litres	1	TIN		
<b>K</b>	Allow sum for kitchen cabinete ; hard wood with marble tops; refer Architectural floor plan ndrawings				
	<b>SUB-TOTAL FOR PAINTING&amp;DECORATION</b>				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
<b>J.</b>	<b>ELECTRICAL INSTALLATION</b>				
1	Single flourescent fiiting, approved philips or equal	7	No		
2	Double switch sorcket	7	No		
3	Main switch 12way,3PH with intergral RCD as MEM or equal	1	No		
4	Single core wire 1.5sqmm -Red	3	Roller		
5	Single core wire 1.5sqmm -Black	2	Roller		
6	Single core wire 1.5sqmm -green	2	Roller		
7	Single core wire 2.5sqmm -Red	1	Roller		
8	Single core wire 2.5sqmm -Black	1	Roller		
9	Single core wire 2.5sqmm Green	1	Roller		
10	Ceilling fan, approved National or equal	4	PC'S		
11	16mmsq 4 core cable	20	M		
12	1gang one way switch	0	No		
13	2gang two way switch	8	No		
14	Cooker control unit -45A	1	No		
15	TV socket	1	No		
16	Gypsum light complete with energy saver 18w	12	No		
17	Earth rod approved copper not less than 1200mm	1	No		
18	Earth wire 4sqmm	20	M		
19	Plastic clips	3	BOX		
20	Conduit pipe	80	PC		
21	Metal box double	8	PC		
22	Metal box single	10	PC		
23	Round cover	20	PC		
24	Junction box	30	PC		
25	Elbow	25	PC		
26	Conduit coupling	20	PC		
27	Round Box	20	PC		
28	Fine screw	5	Packets		
	<b>SUB-TOTAL FOR ELECTRICAL INSTALLATION</b>				



SCHEDULE OF MATERIALS

STAFF QUARTER - (GROSS FLOOR AREA = 118 SQ.M)

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
<b>L.</b>	<b>PLUMBING &amp; SANITARY INSTALLATION- PROVISIONAL</b>				
1	PVC pipe 4" class C	6	M		
2	PVC pipe 1 1/4"	3	M		
3	PVC pipe 1 1/2"	3	M		
4	Polypipe 3/4"	10	M		
5	Tee connector 3/4"	1	pc		
6	IPS pipe 3/4"	6	M		
7	IPS pipe 1/2"	6	M		
8	IPS Elbow 1/2"	6	PC'S		
9	IPS Elbow 3/4"	2	PC'S		
10	IPS tee 1/2"	2	PC'S		
11	IPS nipple 1/2"	5	PC'S		
12	IPS nipple 3/4"	1	PC'S		
13	IPS union 3/4"	1	PC'S		
14	IPS reducing bush 3/4" - 1/2"	1	PC'S		
15	Flexible pipe;	3	PC'S		
16	Toilet shower shataf	1	PC'S		
17	stop cock pex 3/4"	1	PC'S		
18	stop cock pex 1/2"	1	PC'S		
19	Angle valve	3	PC'S		
20	PVC tee 1 1/2"	1	PC'S		
21	PVC tee 1 1/4"	1	PC'S		
22	PVC bend 1 1/4"	1	PC'S		
23	PVC bend 1 1/2"	1	PC'S		
24	PVC plug 1 1/4"	1	PC'S		
25	PVC plug 1 1/2"	1	PC'S		
26	PVC glue	1	TIN		
27	Thread seal tap	10	PC'S		
28	Shower rose	1	PC'S		
29	WC squatting complete with all necessary fittings and accessories	1	PC'S		
30	Toilet aper holder	1	PC'S		
31	Hands wash basin complete with 6" Levers operating for elbow control and its accessories	1	PC'S		
32	Mirror	1	PC'S		
	<b>SUB-TOTAL FOR PLUMBING AND SANITARY INSTALLATION</b>				

<b><u>GENERAL SUMMARY</u></b>		<b>AMOUNT</b>
		<b>TZS</b>
	<b><u>STAFF QUARTER DISPENDARY</u></b>	
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	
<b>TOTAL MATERIALS COST</b>		<b>TZS</b>

# **Schedule of Labour**

Na.	AINA YA KAZI	BEI YA UFUNDI - Shs
<b>A</b>	<b><u>Msingi wa Jengo (Sub-structure)</u></b>	
1	Kuseti jengo	
2	Uchimbaji wa msingi	
3	Kufukia	
	<b><u>Kufunga mbao</u></b>	
4	Pembeazoni mwa jamvi	
5	Pembeazoni mwa nguzo	
6	Kuondoa mbao	
	<b><u>Kumwaga zege</u></b>	
7	Chini kwenye msingi wa tofali	
8	Chini kwenye msingi wa nguzo	
9	katika nguzo ya awali	
10	kwenye jamvi	
11	Ujenzi wa tofali (1232 No)	
	<b><u>Mawe</u></b>	
12	Upangaji wa mawe na utandazaji wa DPM	
13	Umwagiliaji wa maji	
	<b>Jumla ndogo msingi wa jengo</b>	
<b>B.</b>	<b><u>Kunyanyua jengo (Super-structure)</u></b>	
1	Ujenzi wa tofali za kuta na uwekaji DPC (2604No)	
	<b><u>Kufunga mbao katika:</u></b>	
2	Nguzo mlalo	
3	Nguzo wima	
	<b><u>Kusuka nondo katika:</u></b>	
4	Nguzo mlalo	
5	Nguzo wima	
	<b><u>Kumwaga zege katika:</u></b>	
6	Nguzo mlalo	
7	Nguzo wima	
8	Umwagiliaji wa maji	
<b>C.</b>	<b><u>Kuezeka (Roof structure and covering)</u></b>	
	Kuezeka na ufungaji wa gata	
	<b>Jumla ndogo kunyanyua jengo</b>	
<b>D.</b>	<b><u>Milango</u></b>	
1	Kufitisha fremu za milango	
2	Kufitisha shata za milango pamoja na vitasa	
3	Upakaji wa Varnishi katika milango na fremu	
<b>E.</b>	<b><u>Umalizaji (Finishing)</u></b>	
	<i>Upigaji wa lipu pamoja na kutengeneza koplo:</i>	
1	Nje ya jengo	
2	Ndani ya jengo	
	<b><u>Sakafu</u></b>	
3	Uwekaji wa sakafu ya kupokea vigae (beds)	
4	Uwekaji wa vigae pamoja na grauti katika sakafu (floor tiles) -	

Na.	AINA YA KAZI	BEI YA UFUNDI - Shs
	<b>Dali:</b>	
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	
	<b>Jumla ndogo umaliziaji(finishing)</b>	
<b>F.</b>	<b><u>Rangi na Mapambo (Painting &amp; Decoration)</u></b>	
	<b><u>Kupaka rangi mikono mitatu pamoja na skimming katika:</u></b>	
1	Kuta za nje	
2	Kuta za ndani	
3	Dali	
	<b><u>Kupaka rangi mikono mitatu katika:</u></b>	
5	Msingi wa nyumba	
6	Grill za milango na madirisha	
	<b>Jumla ndogo Rangi na mapambo</b>	
<b>G.</b>	<b><u>Umeme (Electrical installation)</u></b>	
1	Usukaji wa umeme awamu ya kwanza - Conduit na Box	
2	Usukaji wa umeme awamu ya pili (2nd fix)-fittings	
	<b>Jumla ndogo Umeme</b>	
<b>H.</b>	<b><u>Mifumo ya maji safi na taka (Water Supply and Sewage system)</u></b>	
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	
	<b>Jumla ndogo Mifumo ya maji safi na taka</b>	

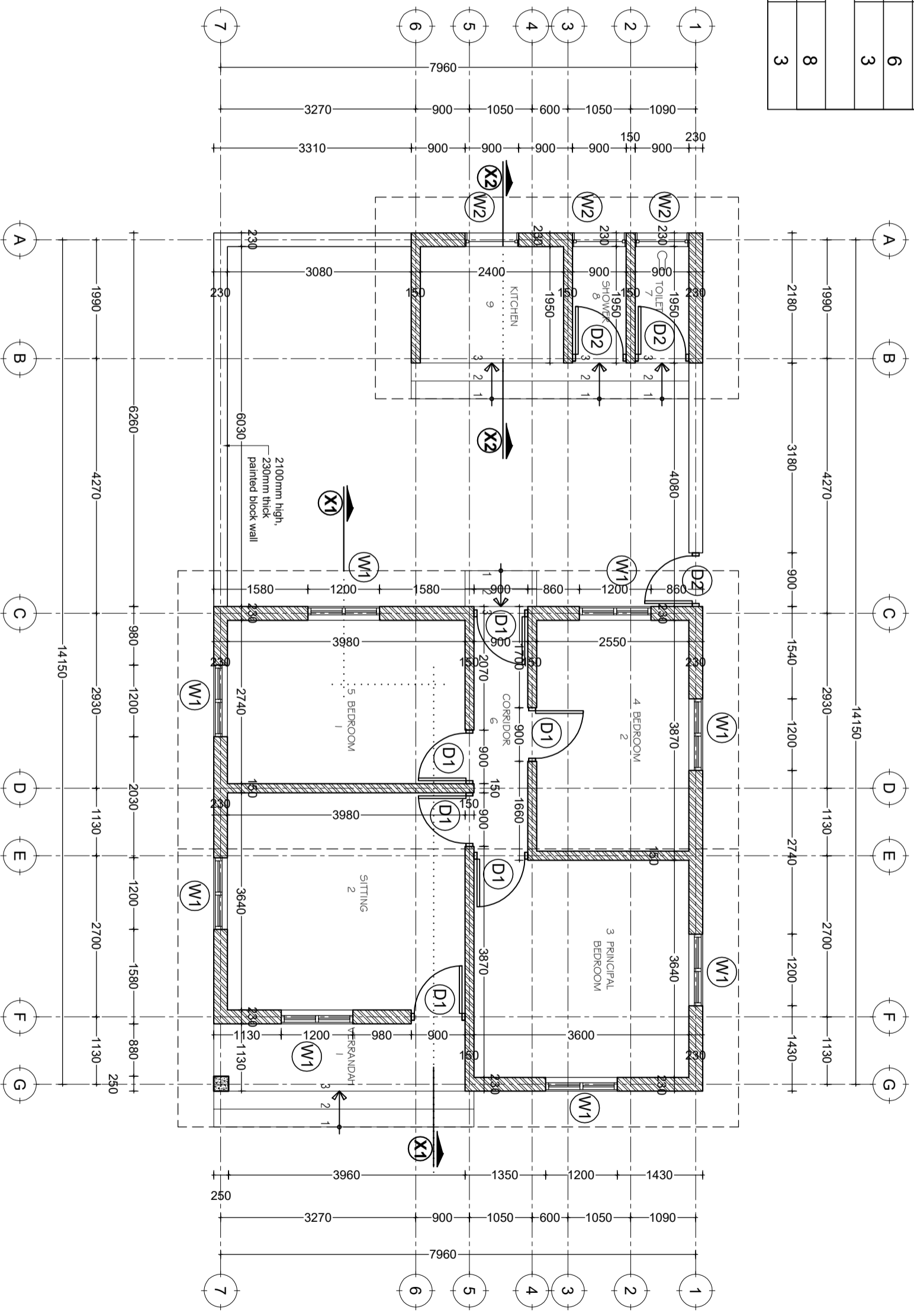
<b>MAJUMUIISHO (SUMMARY)</b>		<b>Shs</b>
A.	Msingi wa Jengo (Sub-structure)	
B.	Kunyanyua jengo (Super-structure)	
C.	Kuezeka (Roof structure and covering)	
D.	Milango	
E.	Umaliziaji (Finishing)	
F.	Rangi na Mapambo (Painting & Decoration)	
G.	Umeme (Electrical installation)	
H.	Mifumo ya maji safi na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

**ANGALIZO:**

Fundi anatakiwa kujaza hii fomu kwa kupitia mchoro wa jengo husika

# **Drawings**

DOOR & WINDOW SCHEDULE			
NO.	WIDTH	HEIGHT	TOTAL
D1	900mm	2500mm	6
D2	900mm	2100mm	3
W1	1200mm	1500mm	8
W2	900mm	600mm	3



**GROUND PLAN**  
 SCALE: 1:100  
 TOTAL AREA = 77sqm

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

Approved

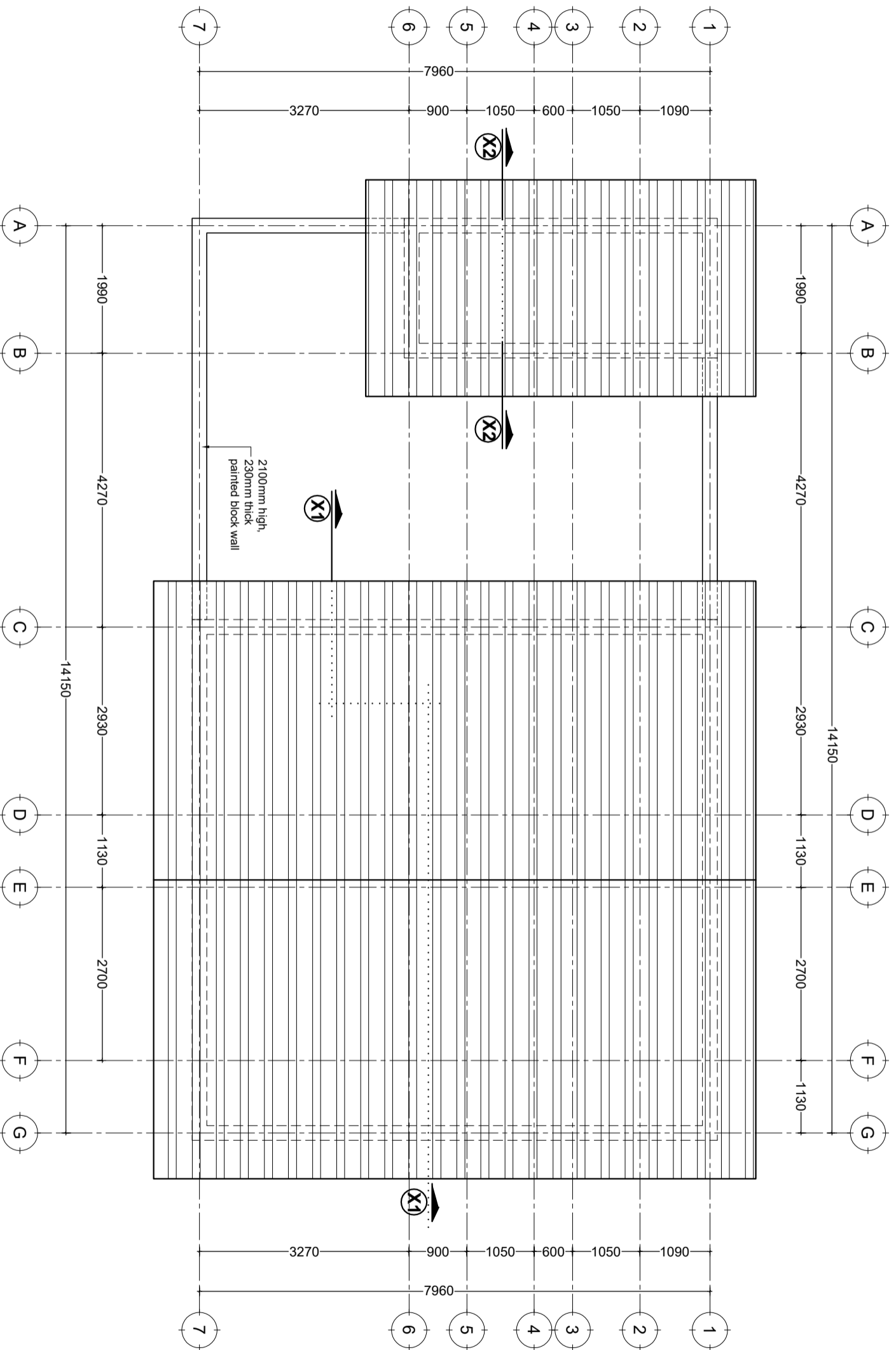
No.	Description	Date

Client  
**PRESIDENT'S OFFICE, REGIONAL ADMINISTRATION  
 AND LOCAL GOVERNMENT**  
 Project  
**PROPOSED STANDARD DESIGN FOR A DISPENSARY**

**STAFF QUARTER  
 Ground Floor Plan**

Project number: 2017 / 05 / 02  
 Date: 24 APRIL 2018  
 Drawn by: DCNM  
 Checked by: DCNM  
 Scale: 1:100





# ROOF PLAN

SCALE: 1:100

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

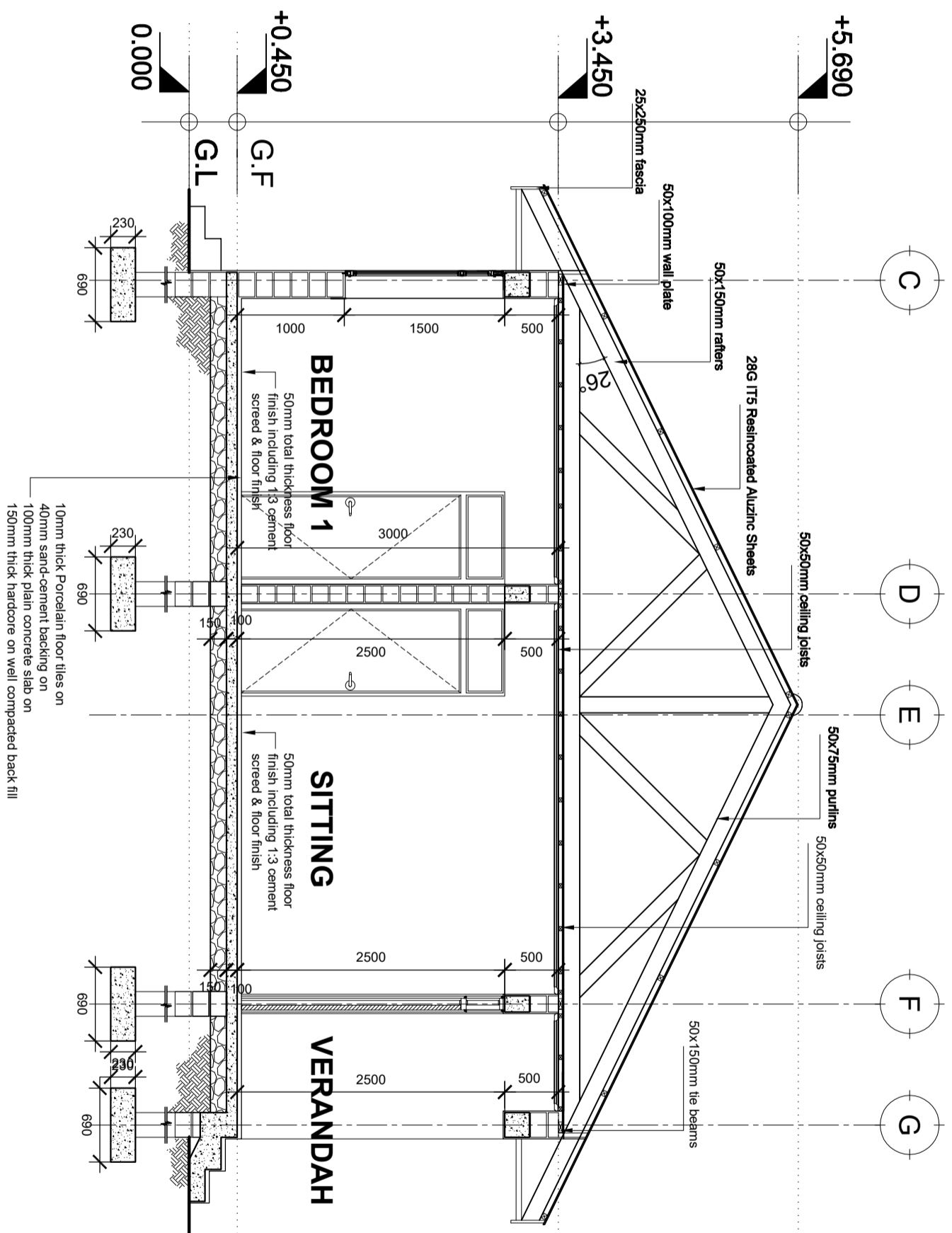
Approved

No.	Description	Date

Client  
**PRESIDENT'S OFFICE, REGIONAL ADMINISTRATION  
 AND LOCAL GOVERNMENT**  
 Project  
**PROPOSED STANDARD DESIGN FOR A DISPENSARY**

## STAFF QUARTER Roof Plan

Project number: 2017 / 05 / 02  
 Date: 24 APRIL 2018  
 Drawn by: DCNM  
 Checked by: DCNM  
 Scale: 1:100



**SECTION X1:X1**  
SCALE: 1:50

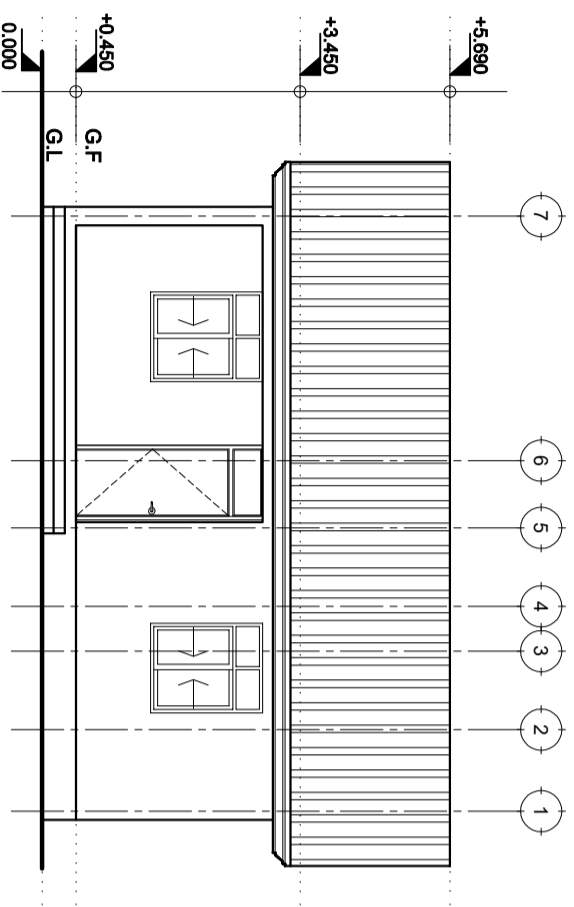
Building Section  
Policy and Planning Department  
Ministry of Health, Community Development,  
Gender, Elderly and Children  
University of Dodoma  
College of Humanities and Social Science | 11th  
Building,  
P. O. Box 743,  
40478 DODOMA

Approved

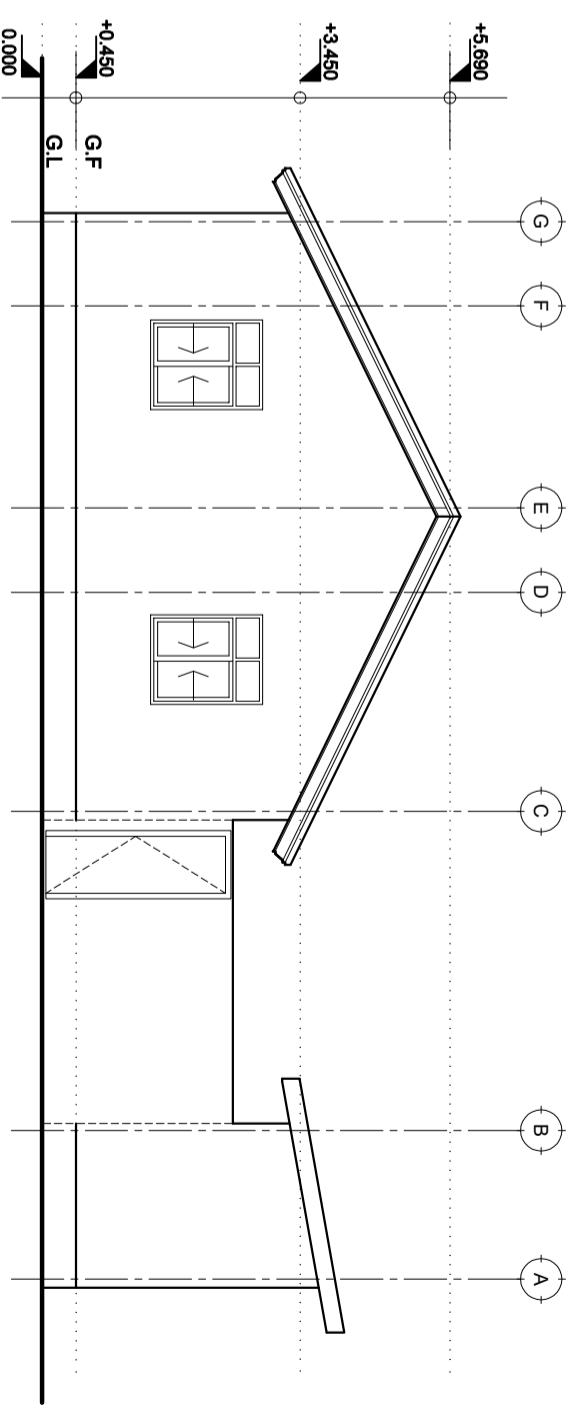
No.	Description	Date

Client  
**PRESIDENT'S OFFICE, REGIONAL ADMINISTRATION  
AND LOCAL GOVERNMENT**  
Project  
**PROPOSED STANDARD DESIGN FOR A DISPENSARY**

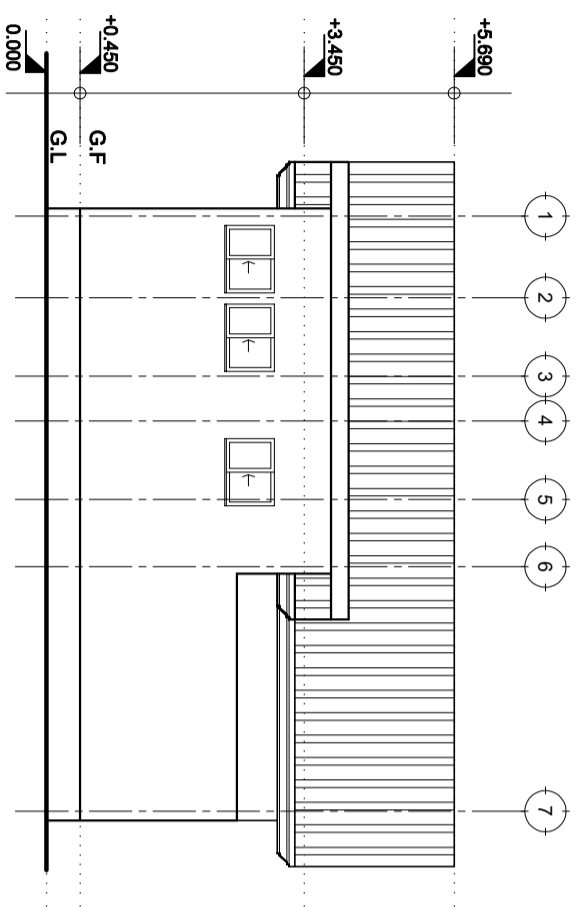
STAFF QUARTER Section X1:X1		Scale
Project number	2017 / 05 / 02	A   03
Date	24 APRIL 2018	
Drawn by	DCNM	
Checked by	DCNM	Scale
		1:50



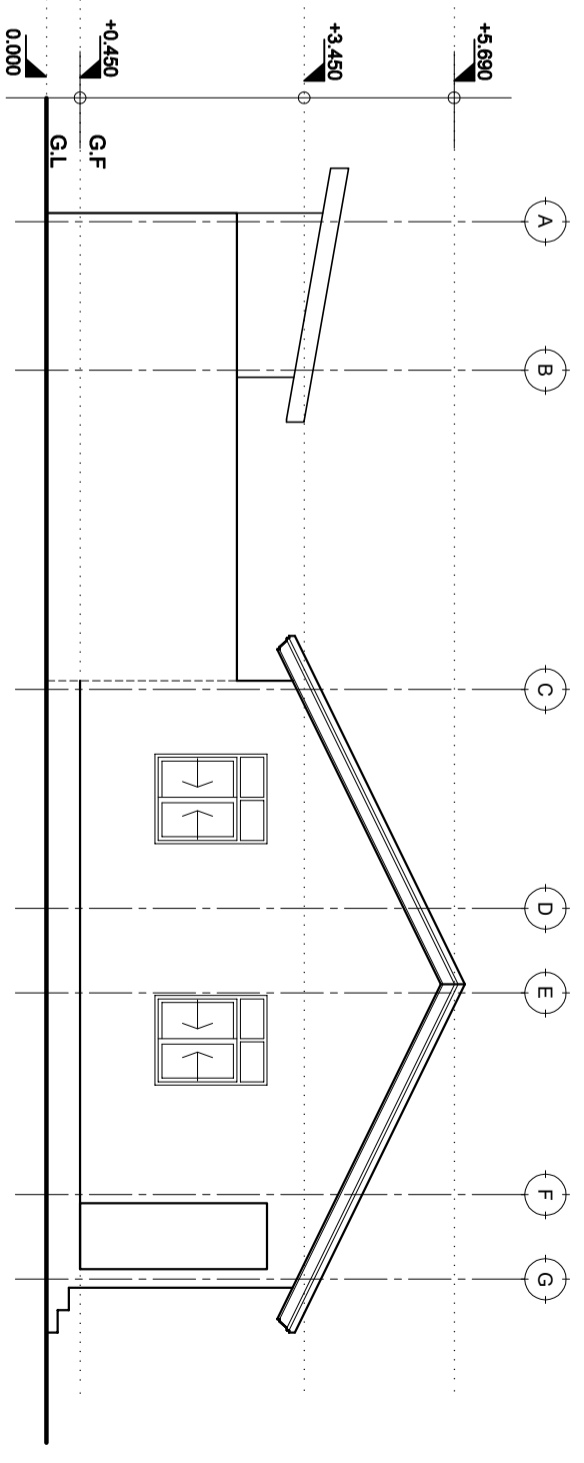
FRONT ELEVATION



RIGHT SIDE ELEVATION



REAR ELEVATION



LEFT SIDE ELEVATION

# ELEVATIONS

SCALE: 1:100

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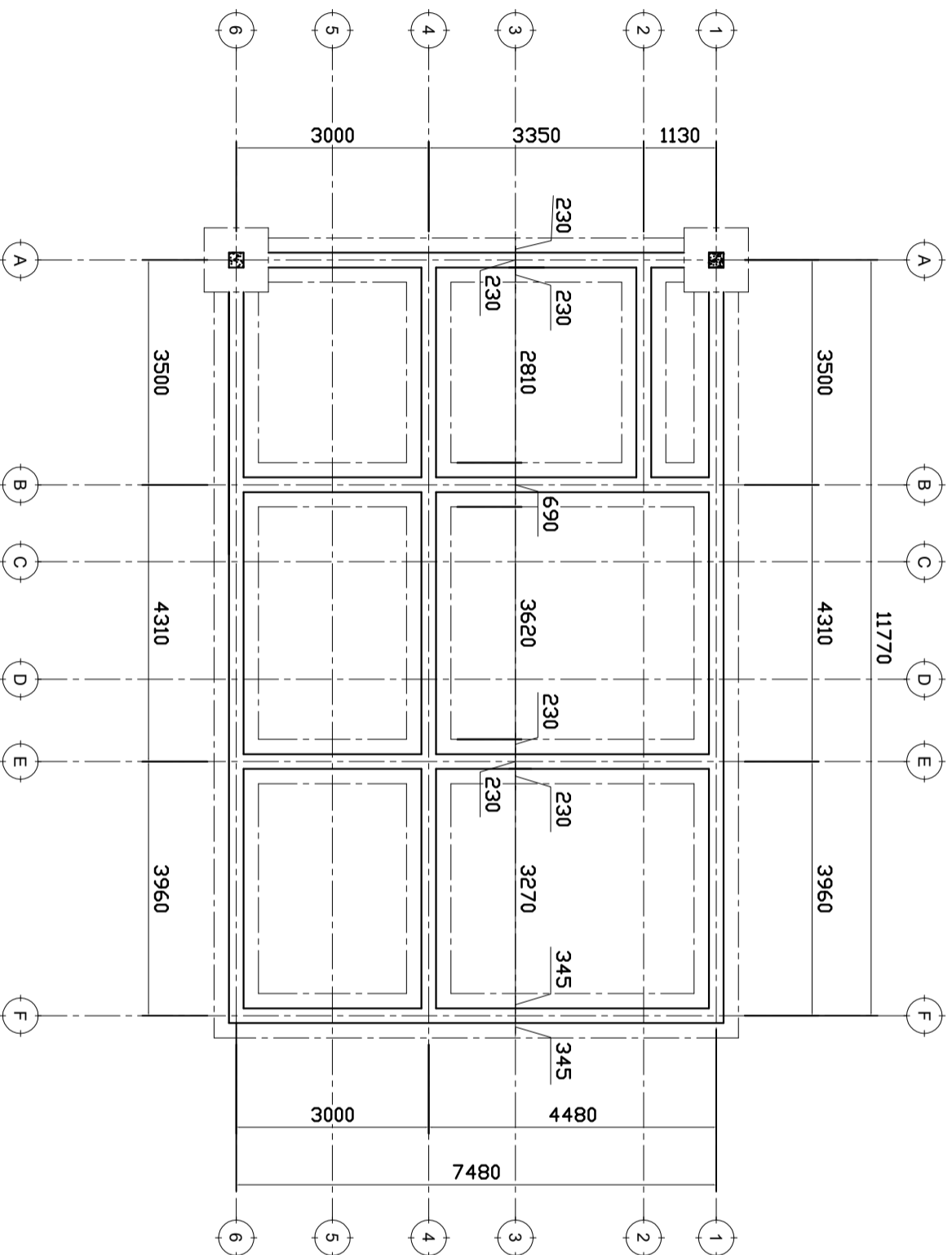
Approved

No.	Description	Date

Client  
 PRESIDENT'S OFFICE, REGIONAL ADMINISTRATION  
 AND LOCAL GOVERNMENT  
 Project  
 PROPOSED STANDARD DESIGN FOR A DISPENSARY

## STAFF QUARTER Elevations

Project number	2017 / 05 / 02	A   05
Date	24 APRIL 2018	
Drawn by	DCNM	
Checked by	DCNM	
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

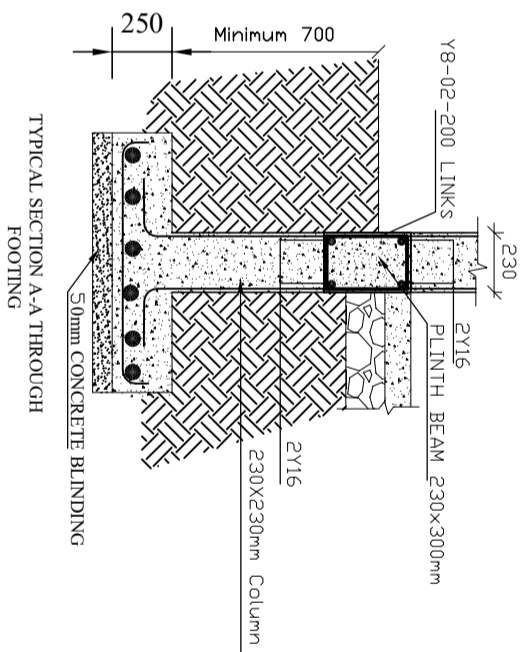
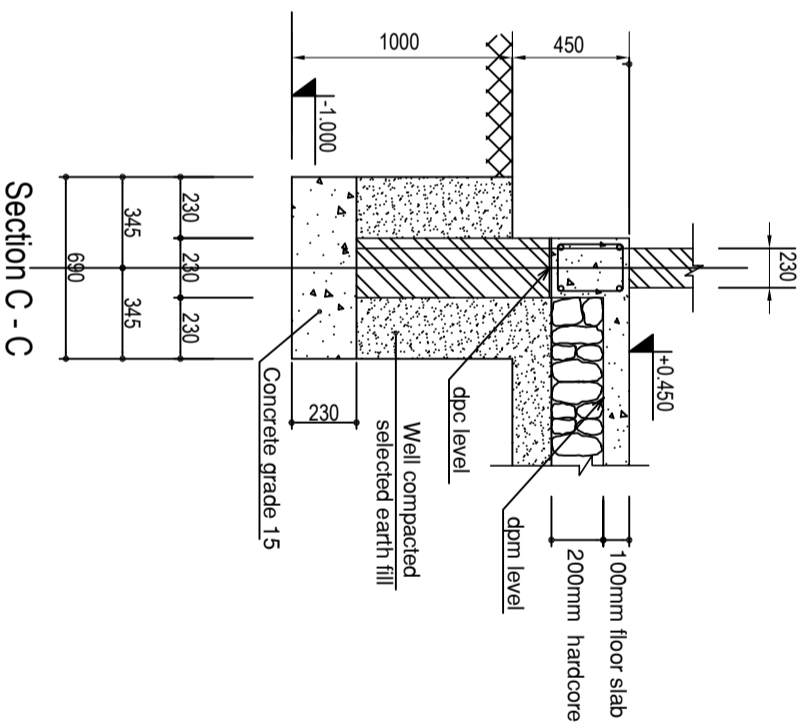
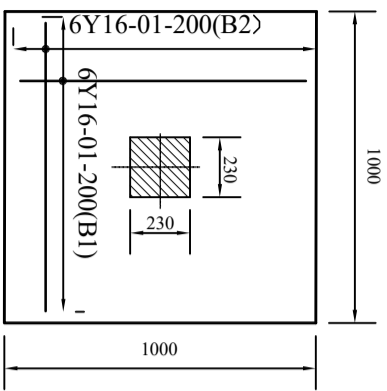
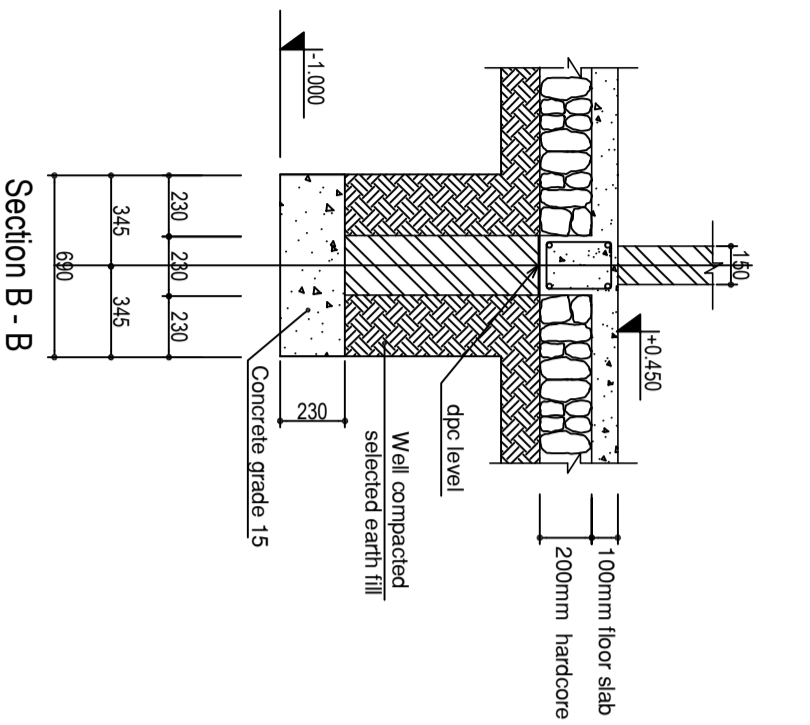
**PROJECT:**  
**PROPOSED REHABILITATION  
 OF HEALTH CENTRE**

**CLIENT:** PRESIDENT'S OFFICE  
 REGIONAL ADMINISTRATIVE  
 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:	



# FOUNDATION DETAILS

## 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

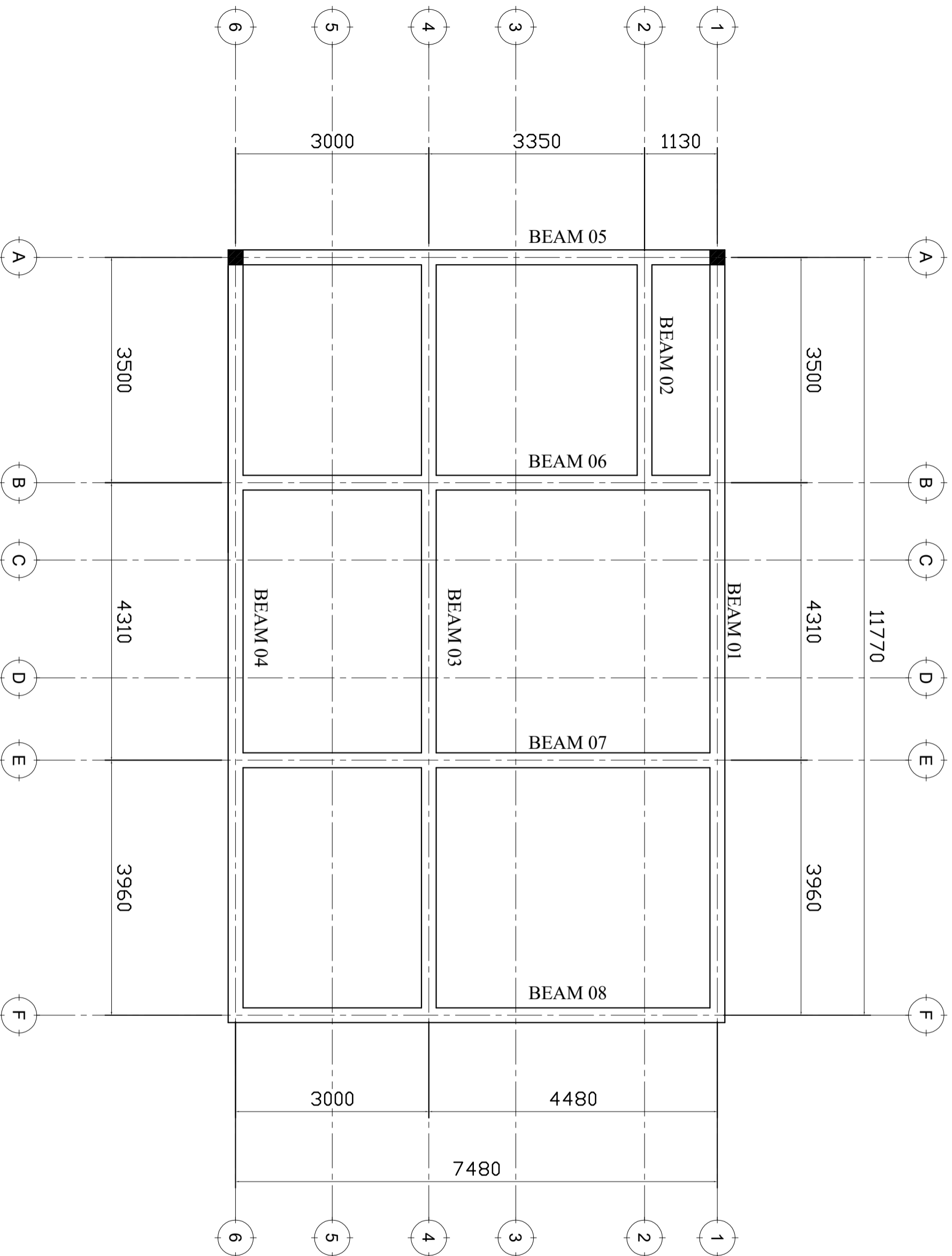
Drawn by: Eng. R.A.M

Checked by: ENG. A.MKHOTYA

Approved by:

Date: 2018 Scale:

Drawing No. STR, 102 Sheet:



# FOUNDATION BEAM LAYOUT

## NOTE:

- All dimensions are in mm unless otherwise specified
- All discrepancies shall be referred to the structural engineer
- Reinforced concrete shall be of grade 25 with  $f_{cu}=25N/mm^2$  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

## 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. MKHOTYA

Approved by:

Date: **2018** Scale:

Drawing No. Sheet:

**STR,103**

**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 DETAILS**

Designed by: Eng. R.A.M

Drawn by: Eng. R.A.M

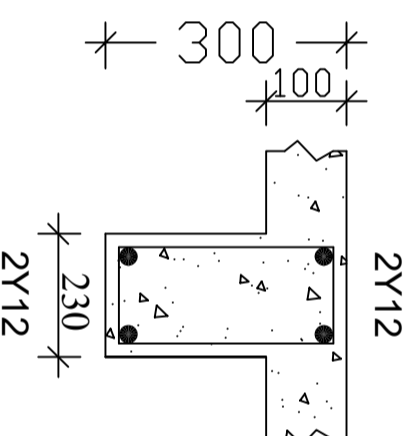
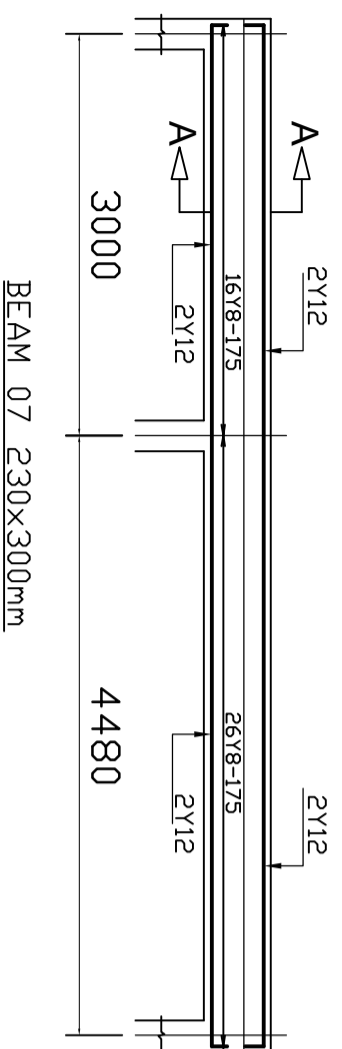
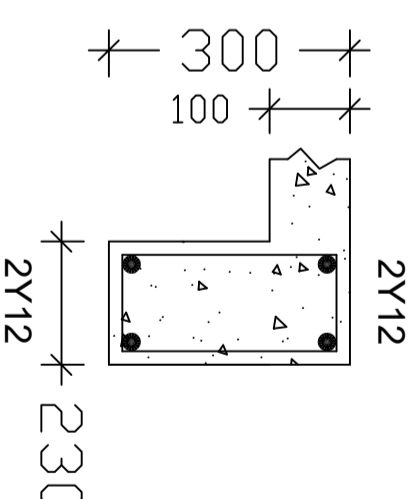
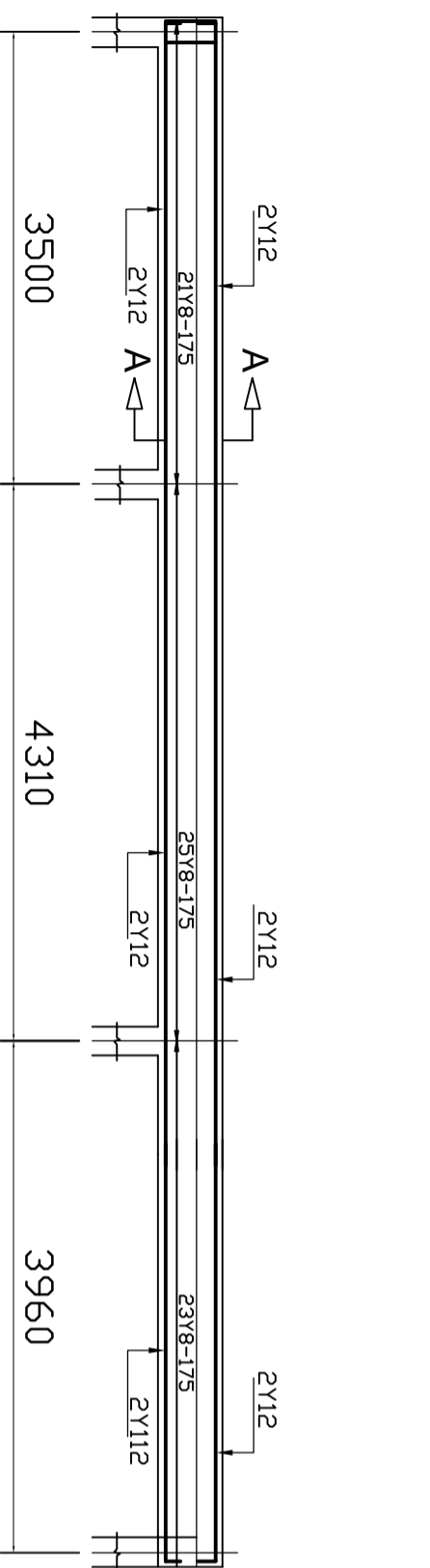
Checked by: Eng. A.MKOTYA

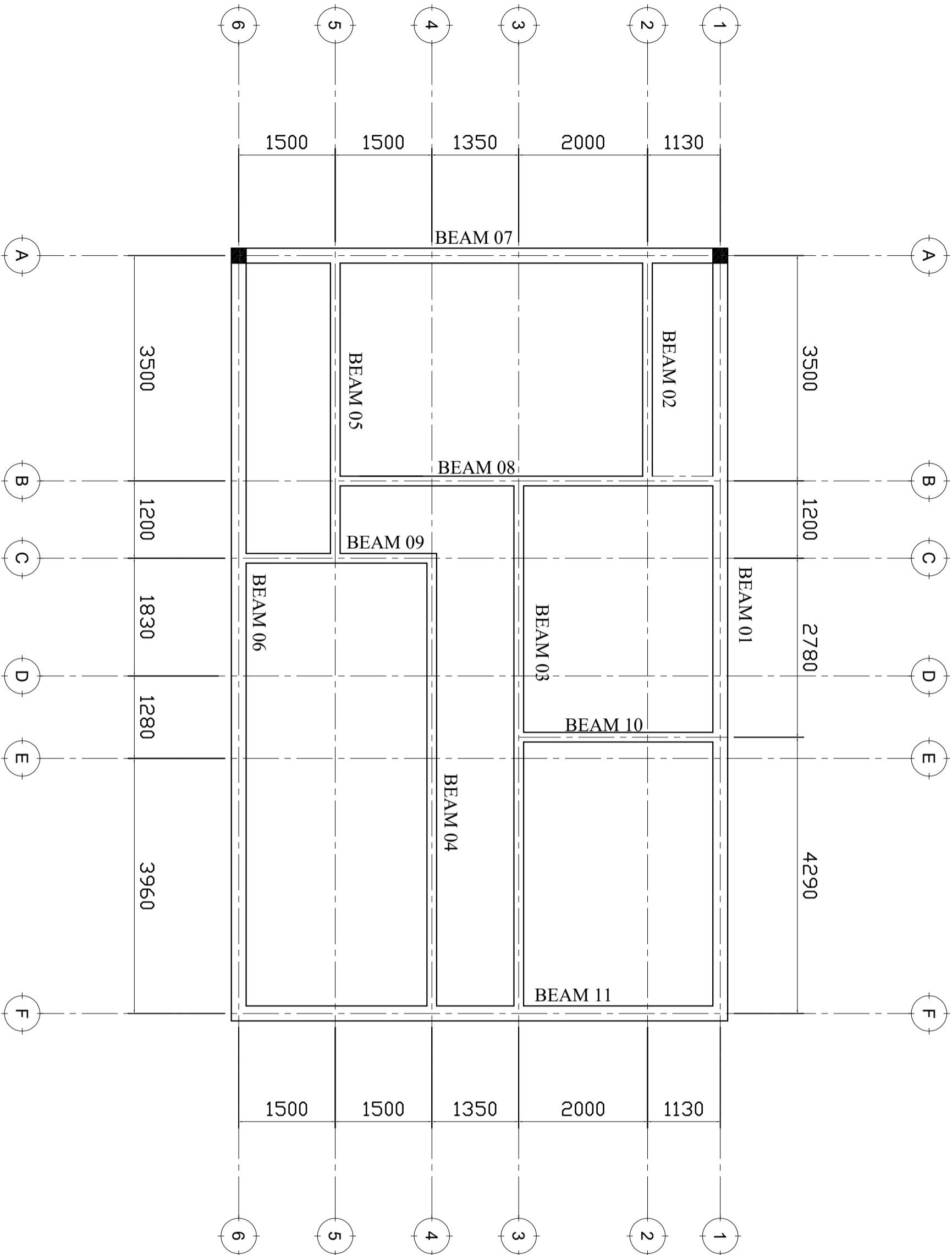
Approved by:

Date: 2018 Scale:

Drawing No. Sheet:

STR.104





# RING BEAM LAYOUT

**NOTE:**

- All dimensions are in mm unless otherwise specified
- All discrepancies shall be referred to the structural engineer
- Reinforced concrete shall be of grade 25 with  $f_{cu}=25N/mm^2$  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

**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.MKHOTYA

Approved by:

Date: 2018 Scale:

Drawing No. STR. 105 Sheet:



**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 RING B DETAILS**

Designed by: Eng. R.A.M

Drawn by: Eng. R.A.M

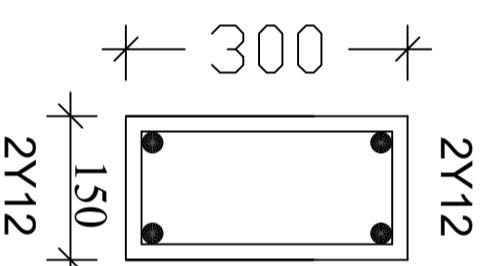
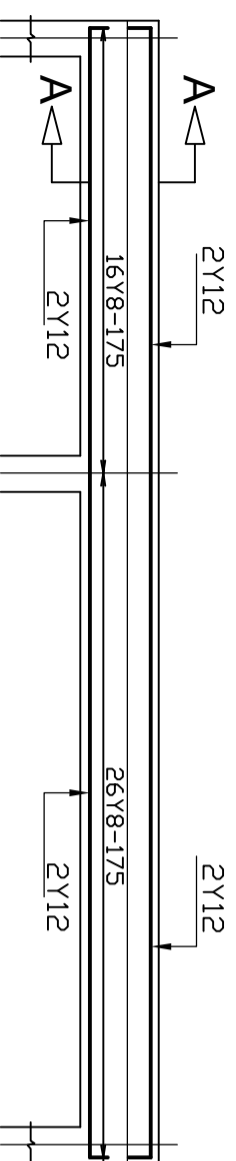
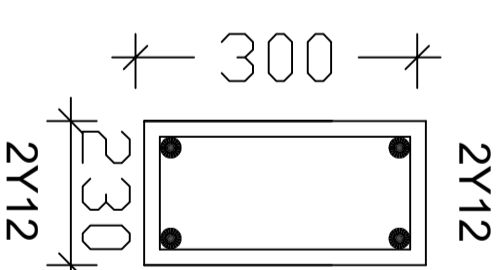
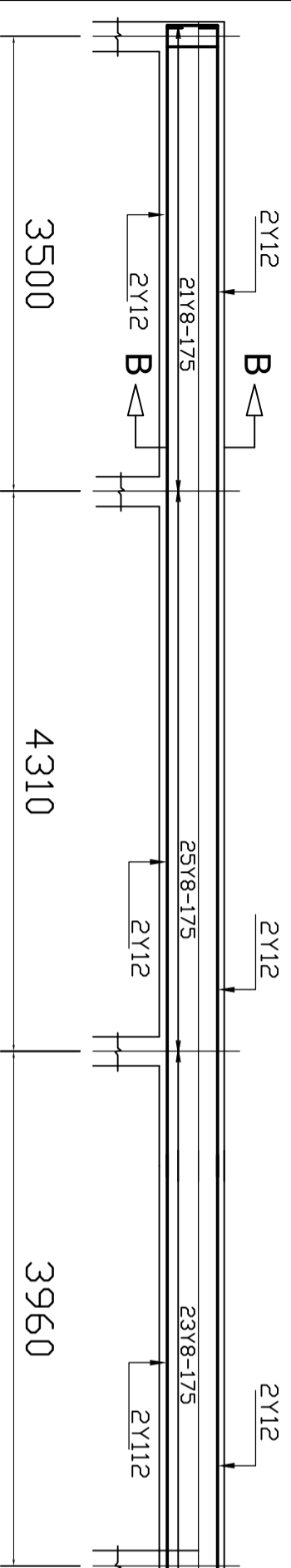
Checked by: Eng. A.MKHOTYA

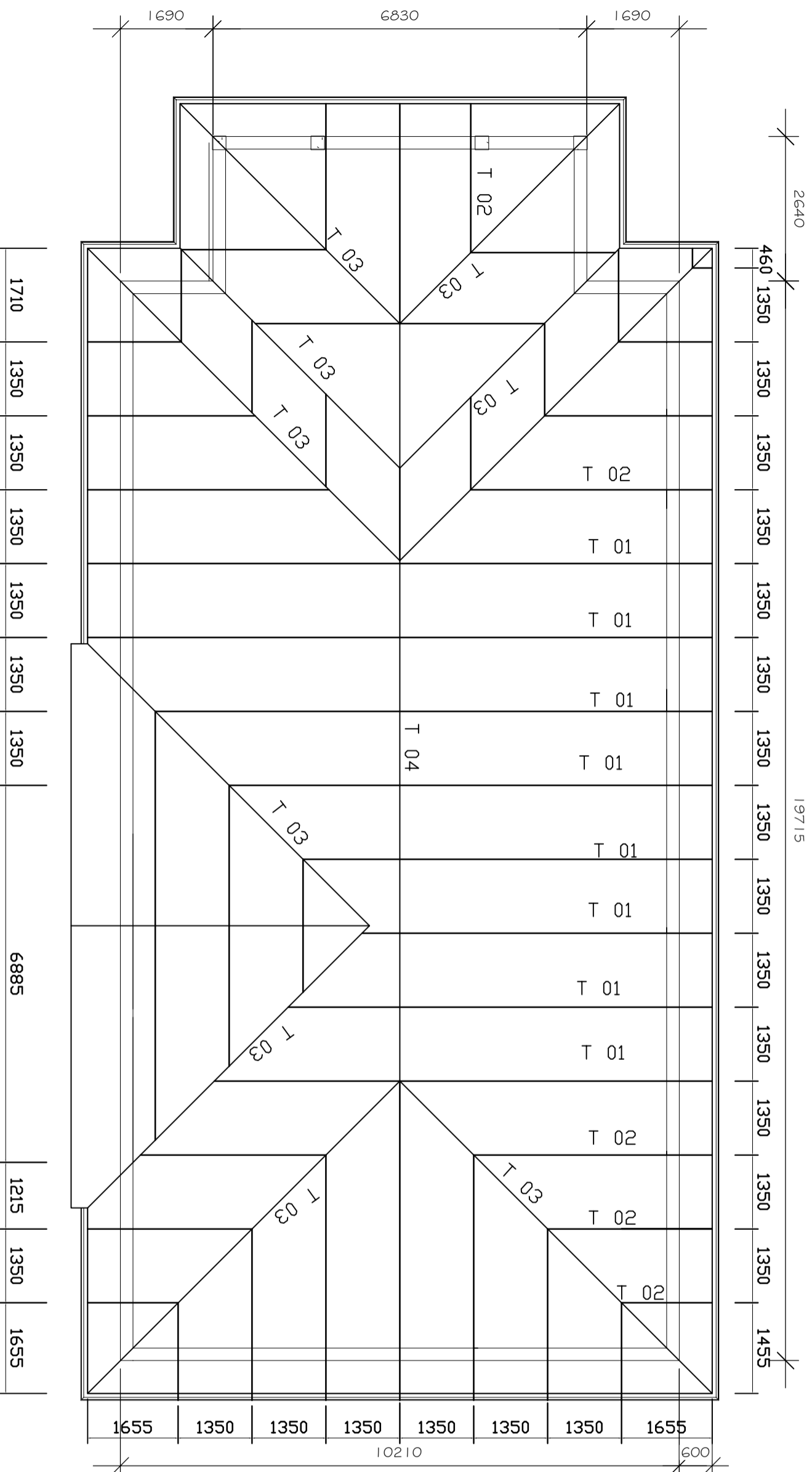
Approved by:

Date: **2018** Scale:

Drawing No. Sheet:

**STR.106**





**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:**  
**TRUSS LAYOUT**

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

**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

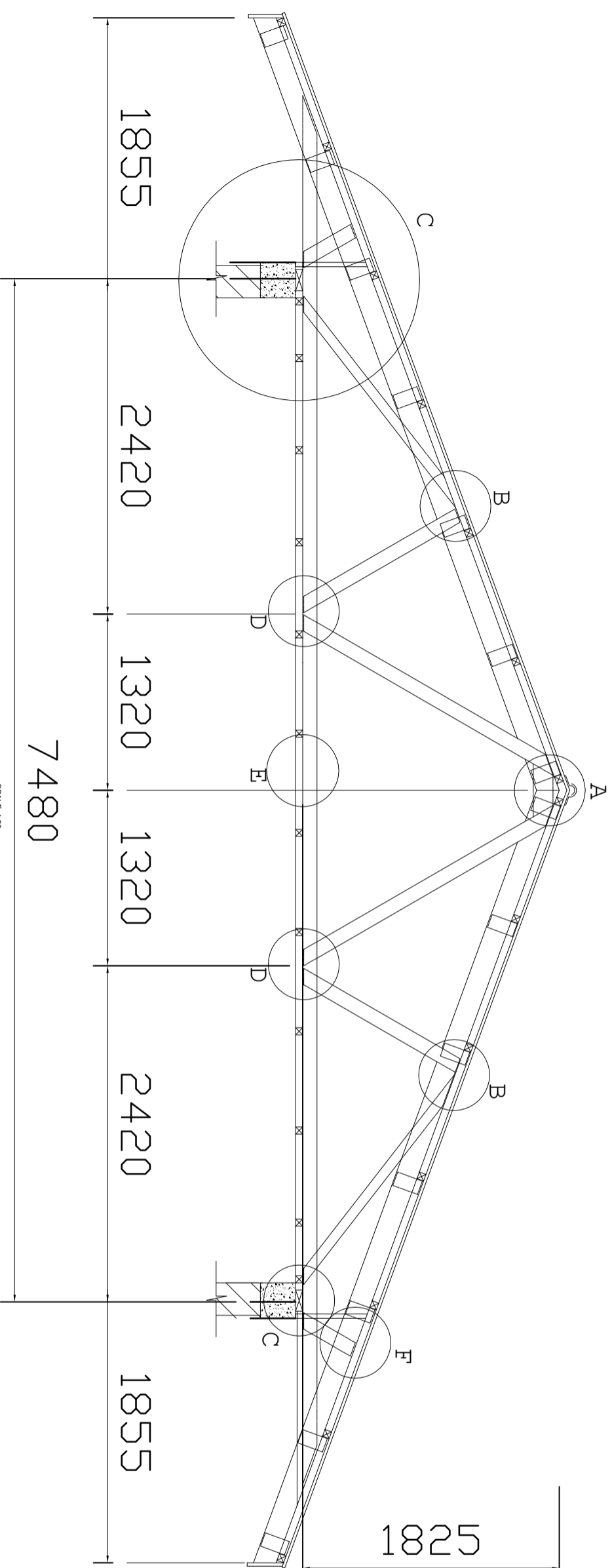
Checked by: Eng. A. MKOTYA

Approved by:

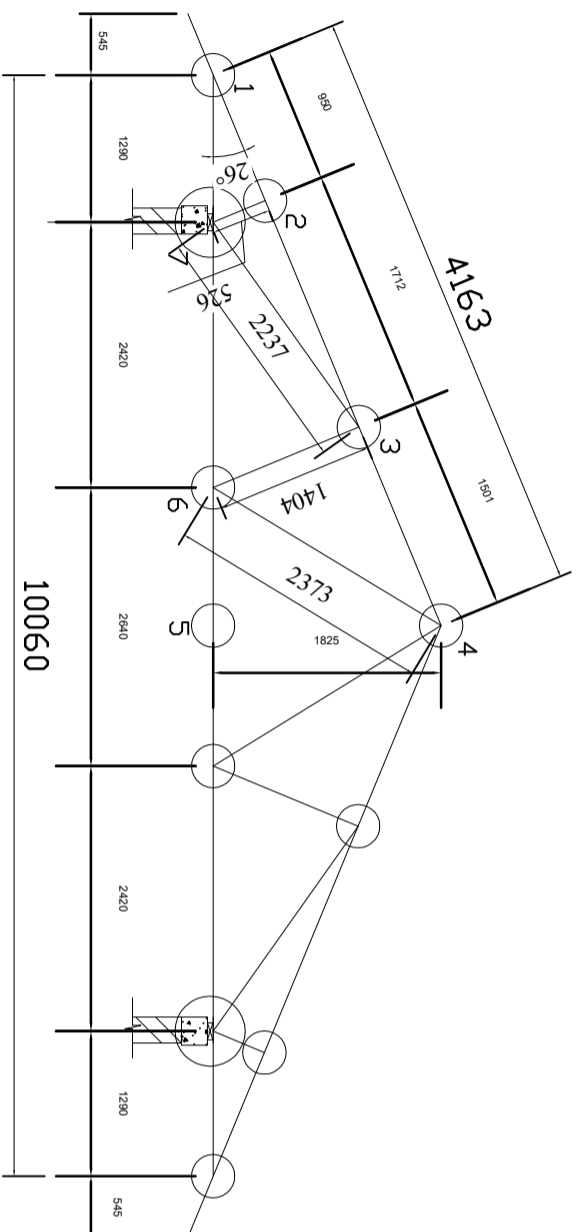
Date: 2018 Scale:

Drawing No. Sheet:

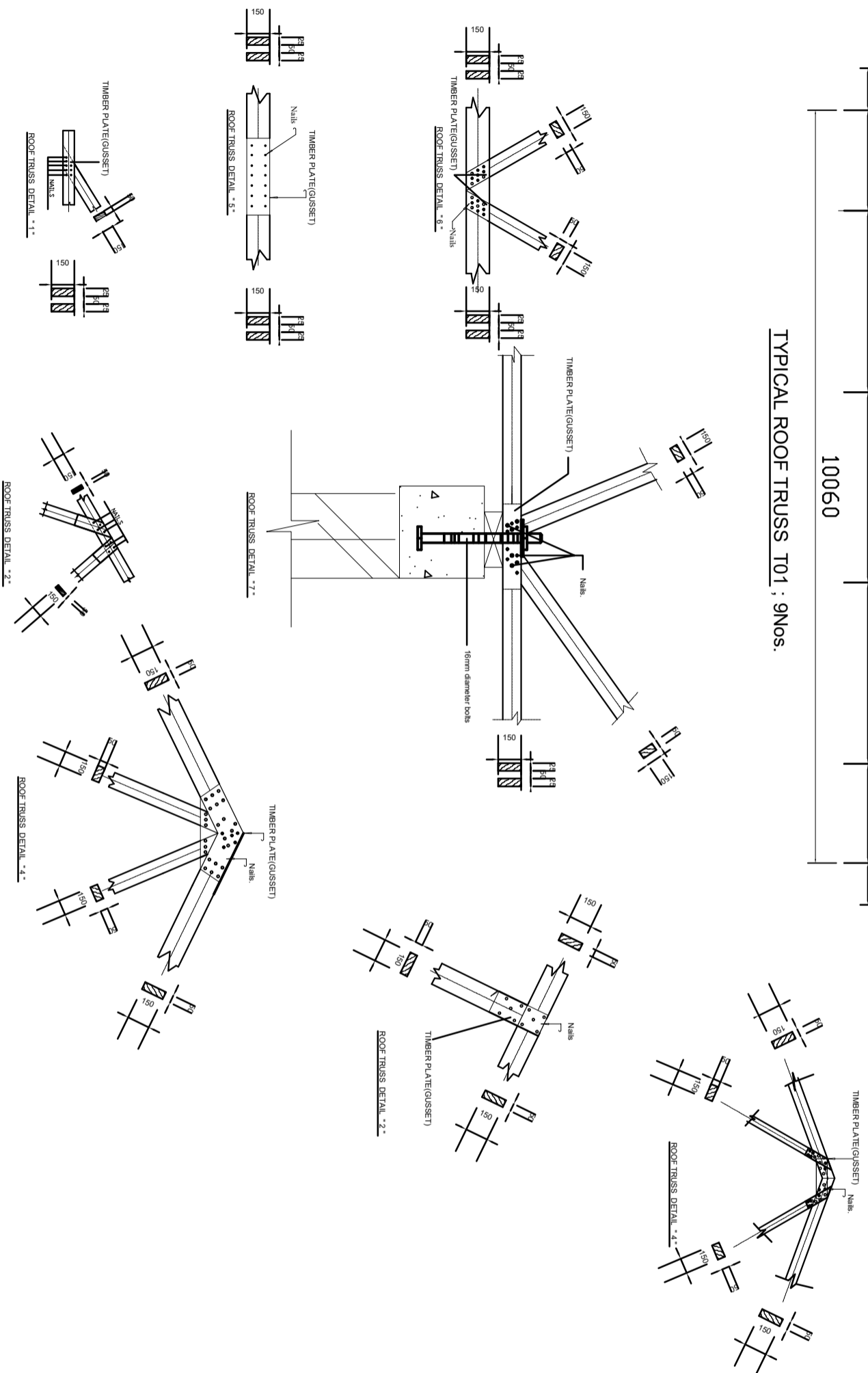
**STR.108**



**TYPICAL ROOF TRUSS T01 ; 9NOS.**



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 AND CONNECTIONS**

Designed by: Eng. R.A.M

Drawn by: Eng. R.A.M

Checked by: Eng. A. MKHOTYA

Approved by:

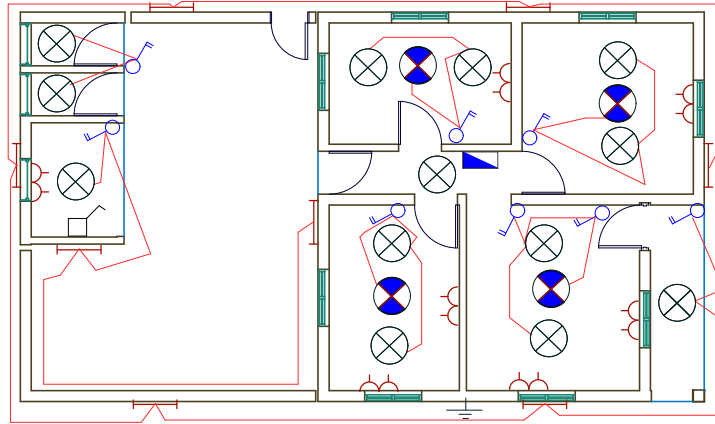
Date: 2018

Scale:

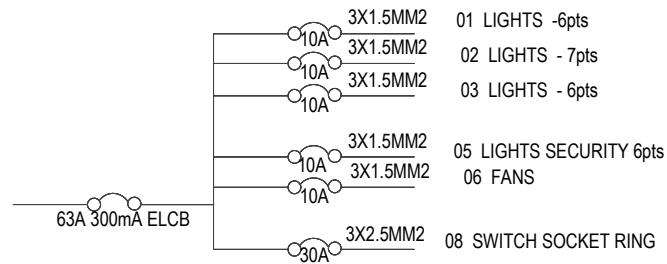
Drawing No.

STR.109

Sheet:



6WAYS SPN DISTRIBUTION BOARD STH



**NOTES:**

1. All work to be carried out in strict accordance with local authority requirements and Engineers Registration Board.
2. This drawing may not be scaled. Only figured dimensions and levels may be used.
3. All relevant details, levels, dimensions must be checked on site before commencement of work. Any discrepancies to be reported to the Electrical Engineer office immediately.

No.	Date	Description

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

**PROJECT NAME**

**STAFF HOUSE**




























PROPOSED DISPENSARY

**DRAWING DESCRIPTION**

**FLOOR PLANS**

SCALE 1:100	DATE APRIL 2018	DESIGNED CHENGULA
		DRAWN CHENGULA
		CHECKED CHENGULA
DRAWING NUMBER		REVISION

**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	<b><u>ELECTRICAL ABBREVIATIONS</u></b>	
 cooker control unit	SWA Steel Wire Armoured	
	SPN Single Phase & Neutral	
	TPN Three Phase & Neutral	
	DB Distribution Board	

**NOTES:**

1. All work to be carried out in strict accordance with local authority requirements and Engineers Registration Board.
2. This drawing may not be scaled. Only figured dimensions and levels may be used.
3. All relevant details, levels, dimensions must be checked on site before commencement of work. Any discrepancies to be reported to the Electrical Engineer office immediately.

No.	Date	Description

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

PROJECT NAME  
**ELECTRICAL SYMBOLS & ABRIVIATION**  
PROPOSED HEARTH CENTRE

DRAWING DESCRIPTION  
**ELECTRICAL PLAN**

SCALE 1:100	DATE APRIL 2018	DESIGNED CHENGULA
		DRAWN CHENGULA
		CHECKED CHENGULA
DRAWING NUMBER		REVISION