

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 OPD and RCH Block

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### PROJECT AREA

#### TANZANIA MAINLAND

Ministry of Health, Community,  
Development 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")	18	M <sup>3</sup>		
	Sand	9	M <sup>3</sup>		
	Cement-50kgs	81	Bags		
2	<b><u>Foundation Walls</u></b>				
	6" Cement & Sand Block	1,848	No		
	Sand	6	M <sup>3</sup>		
	Cement -50kgs	31	Bags		
3	<b><u>Moram, Hardcore &amp; Site sterilization</u></b>				
	Moram-(4.5m <sup>3</sup> lorry)	12	Trips		
	Hadcore-(4.5m <sup>3</sup> lorry)	7	Trips		
	Sand	8	M <sup>3</sup>		
	Aldrin solution or equal and approved	904	Litres		
4	<b><u>Oversite Concrete (100mm thick - 15 grade) &amp; Ground Beam - 20 grade</u></b>				
	DPM	170	M <sup>2</sup>		
	Cement -50kgs	148	Bags		
	Aggregates (1/2")	25	M <sup>3</sup>		
	Sand	13	M <sup>3</sup>		
	Reinforcement - 12mm diameter high tensile	41	PC'S		
	Reinforcement - 8mm diameter	50	PC'S		
	Timber 1" X 8" (5.2m long)	23	PC'S		
	Timber 2" X 2"	25	PC'S		
	Nails-4"	20	Kgs		
	Nails-3"	15	Kgs		
	Supporting props	30	PC'S		
	<b>SUB-TOTAL SUB STRUCTURE</b>				

SCHEDULE OF MATERIALS

OPD AND RCH BLOCK - (GROSS FLOOR AREA = 185 SQ.M)

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	3,575	No		
	DPC (20m long)	8	Roll		
	Sand	19	M <sup>3</sup>		
	Cement-50kgs	137	Bags		
	Aggregates (1/2")	7	M <sup>3</sup>		
	Reinforcement - 12mm diameter high tensile	44	PC'S		
	Reinforcement - 8mm diameter	53	PC'S		
	Binding Wire - 1kg	15	Bundle		
	Timber 1" X 8" to Sides (5.2m long)	52	PC'S		
	Timber 1" X 5" (Plates)	16	PC'S		
	Timber 2" X 2"	40	PC'S		
	Supporting Props	55	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	924	FT		
	Timber 2" X 4" King Post, wall plate and struss	1,157	FT		
	Timber 2" X 6" Rafter and Tie beam	1,048	FT		
	Fascia board 1" X 10" (5.2m long)	16	PC'S		
	Nails -5"	35	Kgs		
	Nails -4"	20	Kgs		
	Nails -3"	13	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	313	M <sup>2</sup>		
	Hips/ridge - 28 G	21	PC'S		
	Roofing Nails	20	Box		
	<b>TO COLLECTION</b>			<b>C/F</b>	

SCHEDULE OF MATERIALS

OPD AND RCH BLOCK - (GROSS FLOOR AREA = 185 SQ.M)

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
				<b>B/F</b>	
3	<b><u>Gutter's (provisional)</u></b>				
	Upvc 125mm half round (6m long)-5"	12	PC'S		
	Upvc 100mm diametre down pipe; Class B	5	PC'S		
	PVC outlet	5	PC'S		
	PVC bend 90'	5	PC'S		
	PVC bend 45'	5	PC'S		
	Gutter support bracket	15	PC'S		
	Gutter Clamp 3"	60	PC'S		
	Connector/reducer	15	PC'S		
	90' PVC internal corner (hips)	7	PC'S		
	90' PVC internal corner (valley)	3	PC'S		
	<b>SUB-TOTAL ROOF STRUCTURE &amp; COVERING</b>				
<b>E.</b>	<b><u>CEILING</u></b>				
	Gypsum board -12mm thick	56	PC'S		
	Plain Cornice	83	PC'S		
	Gypsum Screw 1" 800pcs/box	6	Box		
	Screw 1.25" 800pcs/box	3	Box		
	Gypsum powder	11	Bags		
	Fibre tape	5	Pcs		
	Treated softwood Timber 2" X 2"	2,134	FT		
	Nails 4"	25	Kgs		
	Nails 3"	15	Kgs		
	PVC ceiling with its fittings -	70	Pc's		
	<b>SUB-TOTAL FOR CEILING</b>				
<b>F.</b>	<b><u>DOOR</u></b>				
1	<b><u>45mm thick Pannelled door shutter</u></b>				
	1400 x 2100mm high	2	PC'S		
	900 x 2100mm high	14	PC'S		
	800 x 2100mm high	1	PC'S		
2	<b><u>Frames (hardwood),Varnish, Glass &amp; Burglar bar</u></b>				
	1400 x 2100mm high	2	PC'S		
	900 x 2500mm high	14	PC'S		
	800 x 2100mm high	1	PC'S		
				<b>C/F</b>	

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
				<b>B/F</b>	
	4mm thick clear glass to Vents	7	M <sup>2</sup>		
	16 mm burglar bars	2	PC'S		
	Brush 3"	4	Pcs		
	Sand paper (msasa) No.80	15	LM		
	Clear Varnish - 4Litres	2	TIN		
	Thinner for Varnish -4Litres	2	Litres		
3	<b><u>IronMongeries</u></b>				
	Mortice lock Three lever - ref: union	17	No		
	Brass hinges - 100mm	28.5	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, Mosquitor gauze and its ironmongeries</u></b>				
	1200 X 1500mm high	17	PC'S		
	900 X 600mm high	5	PC'S		
	700 X 600mm high	5	PC'S		
	700 X 1500mm high	2	PC'S		
2	<b><u>Supply and fix 4mm thick flat bar grill painted red-oxide</u></b>				
	1200 X 1500mm high	17	PC'S		
	900 X 600mm high	5	PC'S		
	700 X 600mm high	5	PC'S		
	700 X 1500mm high	2	PC'S		
	<b>SUB-TOTAL FOR WINDOWS</b>				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
<b>H.</b>	<b>FINISHING</b>				
1	<b><u>Floor finishing</u></b>				
	Sand	8	M <sup>3</sup>		
	Cement-50kgs	47	Bags		
	600 x 600Non slippery Porcelain floor tiles (1.46 Sqm/Box)	111	Box		
	Skirting (600 mm long; 25No/Box)	12	Box		
	Grout	5	Packet		
	Spacer	6	Packet		
2	<b><u>Wall Finishing</u></b>				
	Sand	16	M <sup>3</sup>		
	Cement-50kgs	101	Bags		
	White cement - 50kg	7	Bags		
	Gypsum powder	10	Bags		
	Sand paper (msasa) No.120	1	Roll		
	<b>SUB-TOTAL FOR FINISHING</b>				
<b>J.</b>	<b>PAINTING &amp; DECORATION</b>				
	Emulsion Paint - 20 LTRS	10	buckets		
	Weather guard Paint - 20 LTRS	5	buckets		
	Washable paint -20 LTRS	4	buckets		
	Primer paint -20 LTRS	3	buckets		
	Solvent - 5LTRS	2	TIN		
	Brush 3"	4	Pcs		
	Roller	3	Pcs		
	Gloss paint-4LTR	2	TIN		
	Bitumen paint - 4Litres	2	TIN		
	<b>SUB-TOTAL FOR PAINTING&amp;DECORATION</b>				

SCHEDULE OF MATERIALS

OPD AND RCH BLOCK - (GROSS FLOOR AREA = 185 SQ.M)

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
<b>J.</b>	<b>ELECTRICAL INSTALLATION</b>				
1	Single flourescent fiiting, approved philips or equal	36	No		
2	Double switch sorcket	14	No		
3	Main switch 12way,3PH with intergral RCD as MEM or equal	1	No		
4	Single core wire 1.5sqmm -Red	5	Roller		
5	Single core wire 1.5sqmm -Black	5	Roller		
6	Single core wire 1.5sqmm -green	3	Roller		
7	Single core wire 2.5sqmm -Red	3	Roller		
8	Single core wire 2.5sqmm -Black	3	Roller		
9	Single core wire 2.5sqmm Green	3	Roller		
10	Ceilling fan, approved National or equal	12	PC'S		
11	16mmsq 4 core cable	20	M		
12	1gang one way switch	2	No		
13	2gang two way switch	16	No		
14	Cooker control unit -45A	0	No		
15	TV socket	1	No		
16	Gypsum light complete with energy saver 18w	1	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	180	PC		
21	Metal box double	14	PC		
22	Metal box single	18	PC		
23	Round cover	40	PC		
24	Round box	15	PC		
25	Junction box	40	PC		
26	Elbow	30	PC		
27	Conduit coupling	40	PC		
28	Fine screw	5	Packets		
	<b>SUB-TOTAL FOR ELECTRICAL INSTALLATION</b>				



SCHEDULE OF MATERIALS

OPD AND RCH BLOCK - (GROSS FLOOR AREA = 185 SQ.M)

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
<b>L.</b>	<b>PLUMBING &amp; SANITARY INSTALLATION-PROVISIONAL</b>				
1	PVC pipe 1 <sup>1/4</sup> "	6	M		
2	PVC pipe 1 <sup>1/2</sup> "	6	M		
3	Polypipe 3/4"	15	M		
4	Polypipe 1"	35	M		
5	Tee compling 1"	1	pc		
6	Tee connector 1"	4	pc		
7	Tee connector 3/4"	2	pc		
8	IPS pipe 3/4"	6	M		
9	IPS pipe 1/2"	6	M		
10	IPS Elbow 1/2"	10	PC'S		
11	IPS Elbow 3/4"	5	PC'S		
12	IPS tee 1/2"	4	PC'S		
13	IPS nipple 1/2"	10	PC'S		
14	IPS nipple 3/4"	6	PC'S		
15	IPS plug 3/4"	1	PC'S		
16	IPS socket 1/2"	10	PC'S		
17	IPS socket 3/4"	1	PC'S		
18	IPS union 3/4"	6	PC'S		
19	IPS reducing bush 3/4" - 1/2"	4	PC'S		
20	Reducing socket 3/4"-1/2"	6	PC'S		
21	Flexible pipe;	4	PC'S		
22	Bib tap pex 1/2"	5	PC'S		
23	Angle valve	4	PC'S		
24	PVC tee 1 <sup>1/2</sup> "	7	PC'S		
25	PVC tee 1 <sup>1/4</sup> "	3	PC'S		
26	PVC bend 1 <sup>1/4</sup> "	3	PC'S		
27	PVC bend 1 <sup>1/2</sup> "	3	PC'S		
28	PVC plug 1 <sup>1/4</sup> "	3	PC'S		
29	PVC plug 1 <sup>1/2</sup> "	5	PC'S		
30	PVC socket 1 <sup>1/4</sup> "	4	PC'S		
31	PVC socket 1 <sup>1/2</sup> "	5	PC'S		
32	Tangit	1	TIN		
33	Thread seal tap	20	PC'S		
34	Kitchen sink single ball complete with all necessary fittings and accessories	5	PC'S		
35	Hands wash basin complete with 6" Levers operating for elbow control and its accessories	4	PC'S		
36	Mirror	4	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>OPD &amp; RCH BUILDING</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	Pembezeni mwa jamvi	
5	Pembezeni 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 (1848 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 (3575No)	
	<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>	

Na.	AINA YA KAZI	BEI YA UFUNDI - Shs
<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>Umaliziji (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) -	
	<b><u>Dali:</u></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 umaliziji(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>	

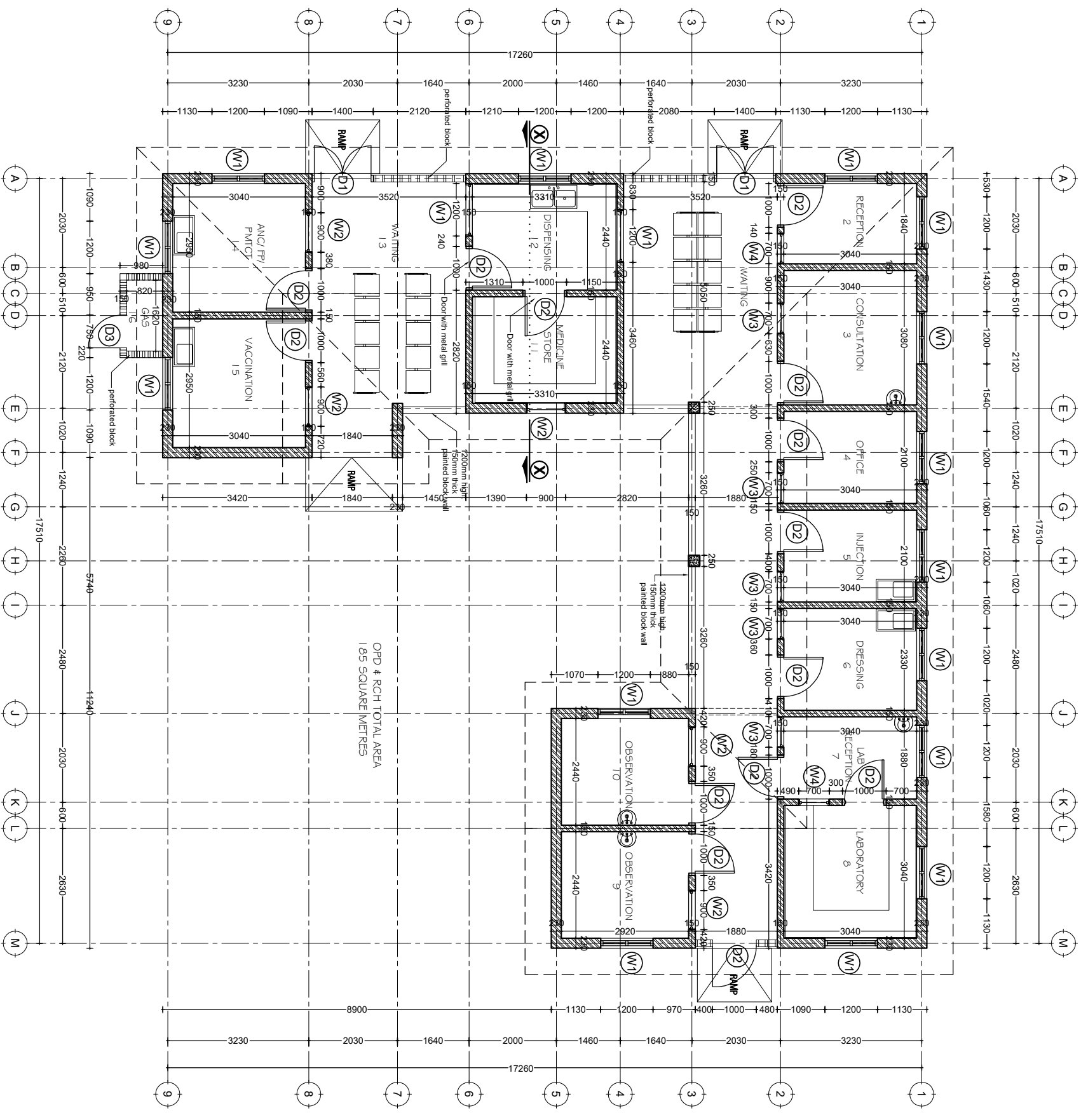
<b>MAJUMUIISHO (SUMMARY)</b>		<b>Shs</b>
A.	Msingi wa Jengo (Sub-structure)	
B.	Kunyanyua jengo (Super-structure)	
C.	Kuezeka (Roof structure and covering)	
D.	Milango	
E.	Umaliziji (Finishing)	
F.	Rangi na Mapambo (Painting & Decoration)	
G.	Umeme (Electrical installation)	
H.	Mifumo ya maji safi na 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	1400mm	2500mm	2
D2	900mm	2500mm	14
D3	800mm	2100mm	1
W1	1200mm	1500mm	17
W2	900mm	600mm	5
W3	700mm	600mm	5
W4	700mm	1500mm	2



# GROUND PLAN

SCALE: 1:100

TOTAL AREA = 354sqm

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.	Revision	Date

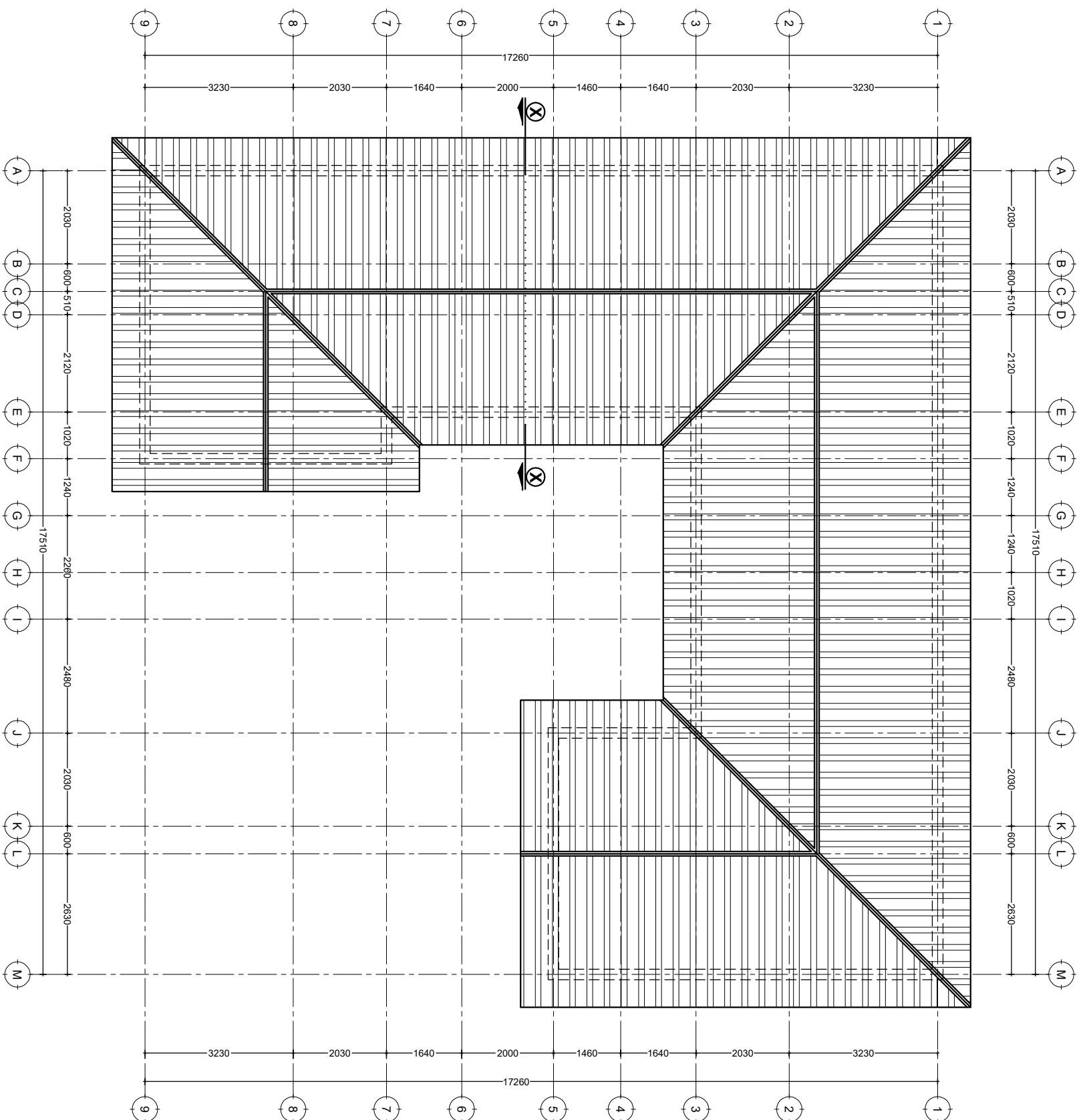
Client  
**PRESIDENT'S OFFICE, REGIONAL ADMINISTRATION  
AND LOCAL GOVERNMENT**

Project  
**PROPOSED STANDARD DESIGN FOR A DISPENSARY**

**OPD & RCH BLOCK**  
**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

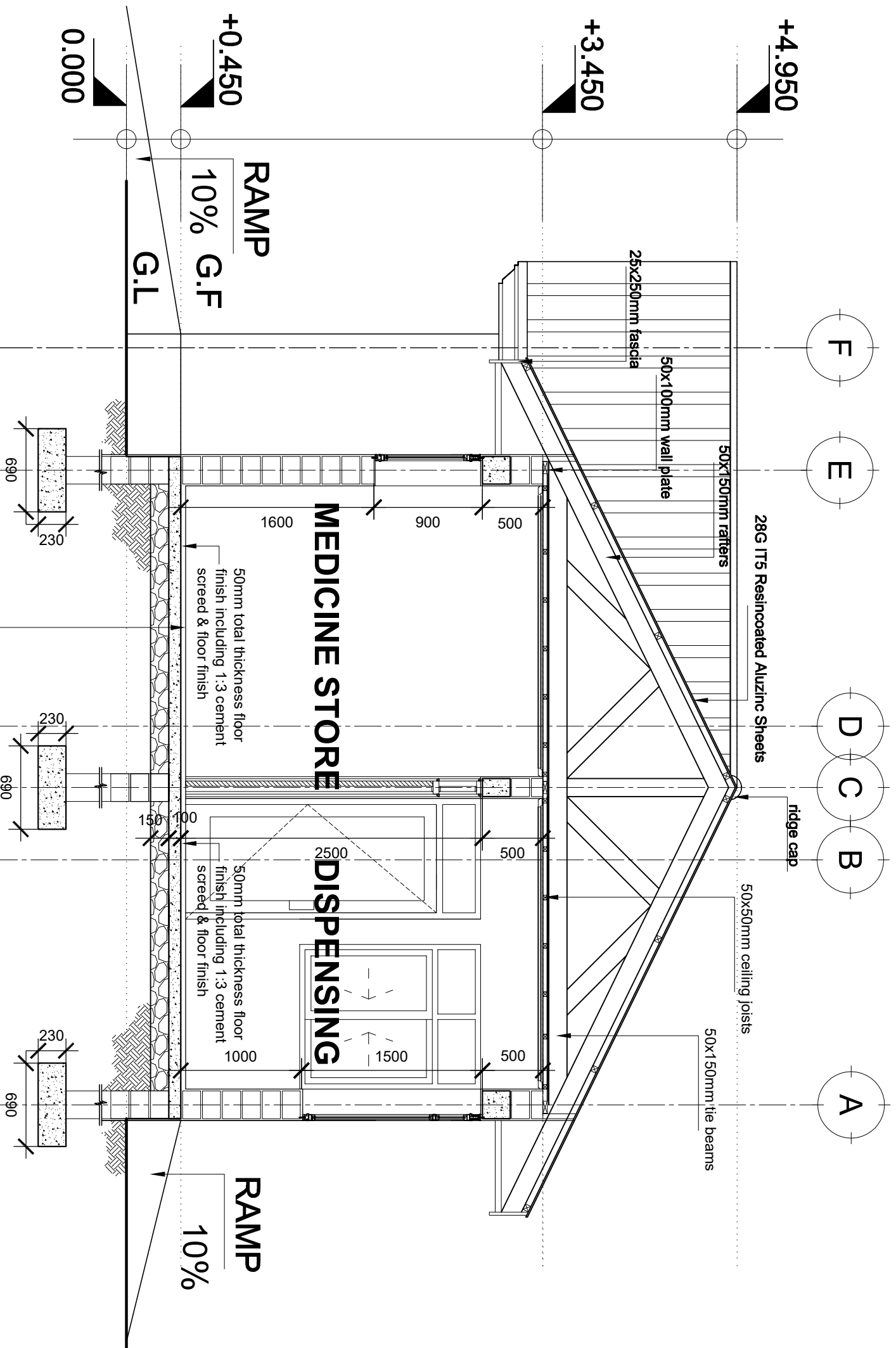
Building Section  
 Policy and Planning Department  
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 P. O. Box 743,  
 40478 DODOMA

Approved

No.	Revision	Date

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

OPD & RCH BLOCK Roof Plan	
Project number	2017 / 05 / 02
Date	24 APRIL 2018
Drawn by	DCNM
Checked by	DCNM
Scale	1 : 100



**SECTION X:X**  
SCALE: 1:50

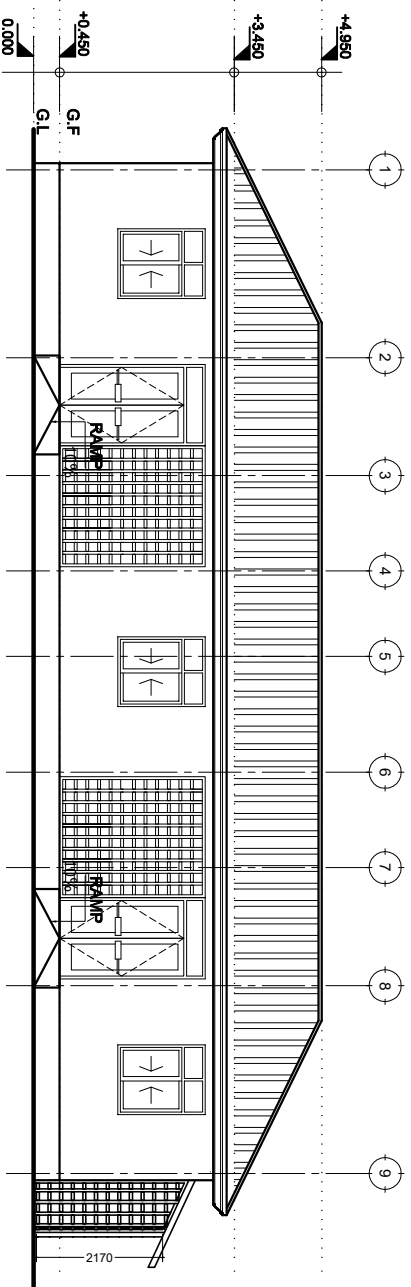
Building Section  
Policy and Planning Department  
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P. O. Box 743,  
40478 DODOMA

Approved

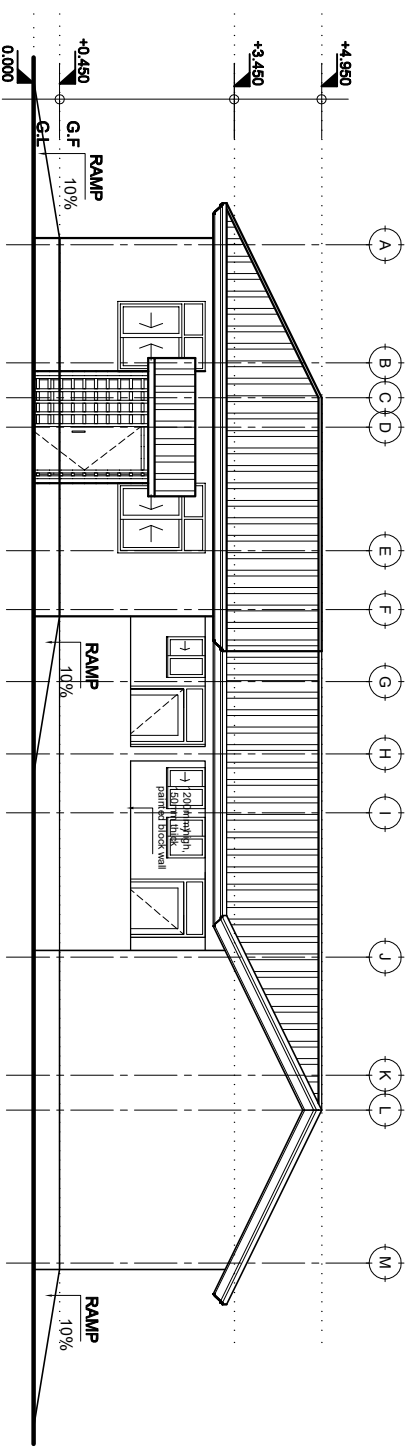
No.	Revision	Date

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

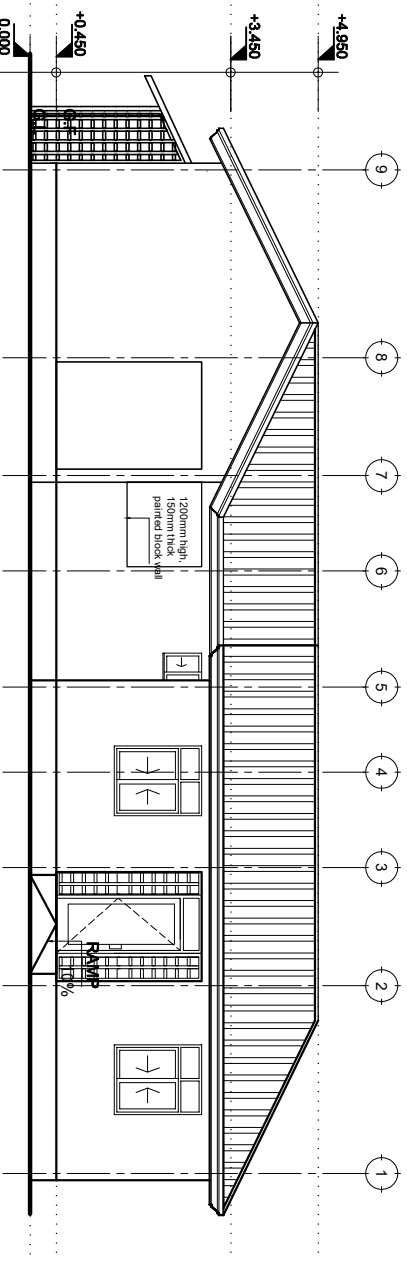
<b>OPD &amp; RCH BLOCK</b>		A   03
Section X:X		
Project number	2017 / 05 / 02	Scale 1:50
Date	24 APRIL 2018	
Drawn by	DCNM	
Checked by	DCNM	



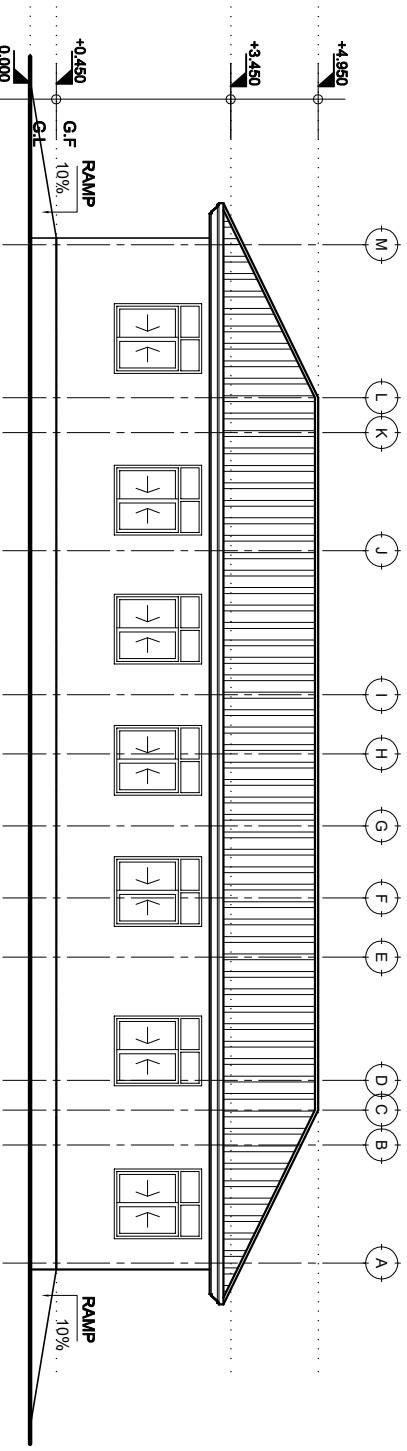
FRONT ELEVATION



RIGHT SIDE ELEVATION



REAR ELEVATION



LEFT SIDE ELEVATION

# ELEVATIONS

SCALE: 1:100

Building Section  
Policy and Planning Department  
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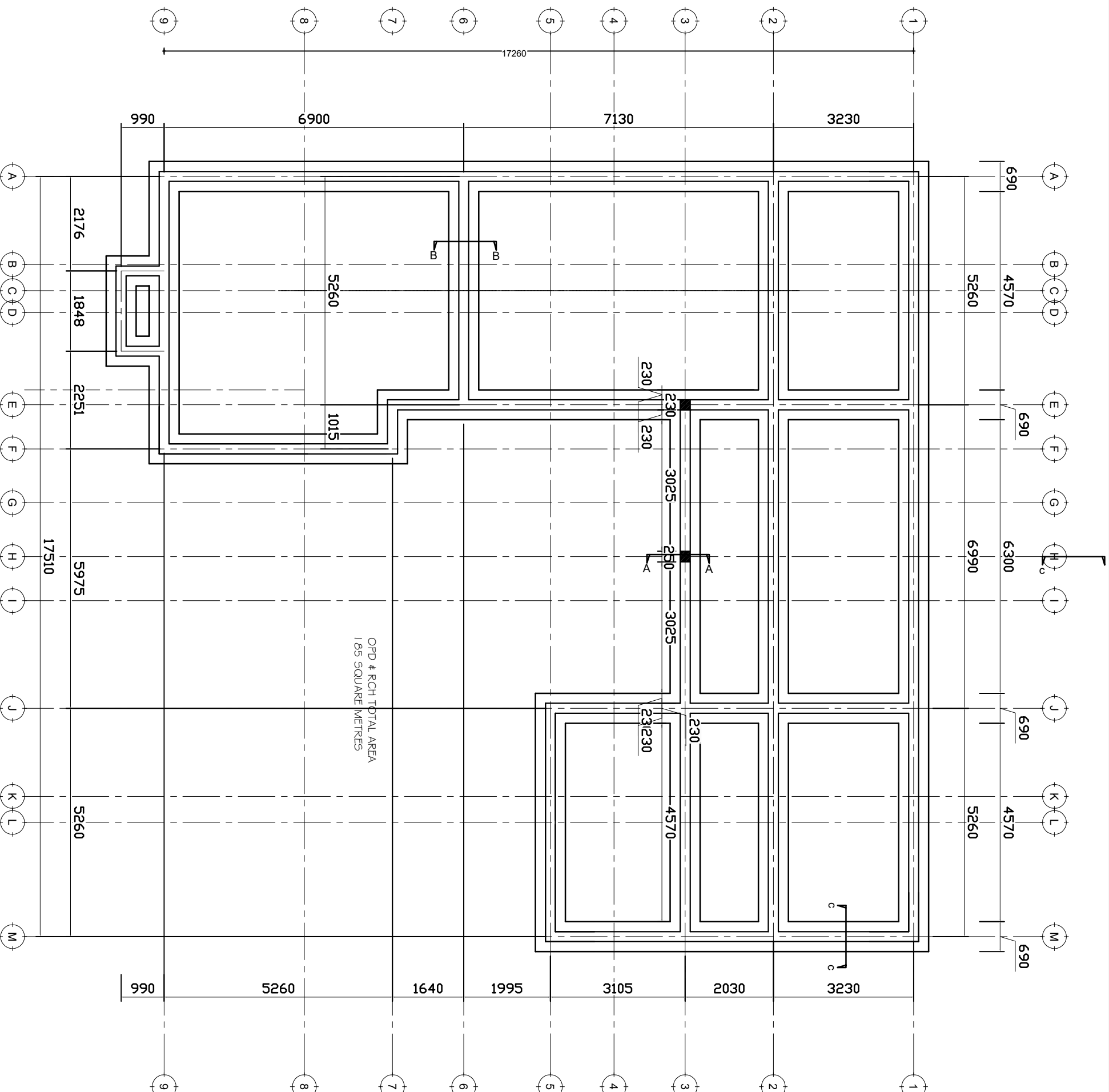
Approved

No.	Revision	Date

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

**OPD & RCH BLOCK  
Elevations**

Project number	2017 / 05 / 02	A   04
Date	24 APRIL 2018	
Drawn by	DCNM	Scale 1:100
Checked by	DCNM	



OPD & RCH TOTAL AREA  
1 85 SQUARE METRES

**NOTE:**

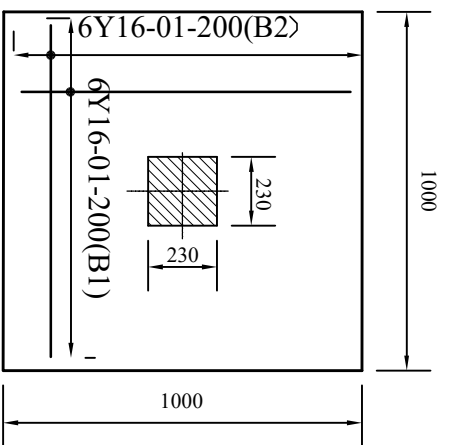
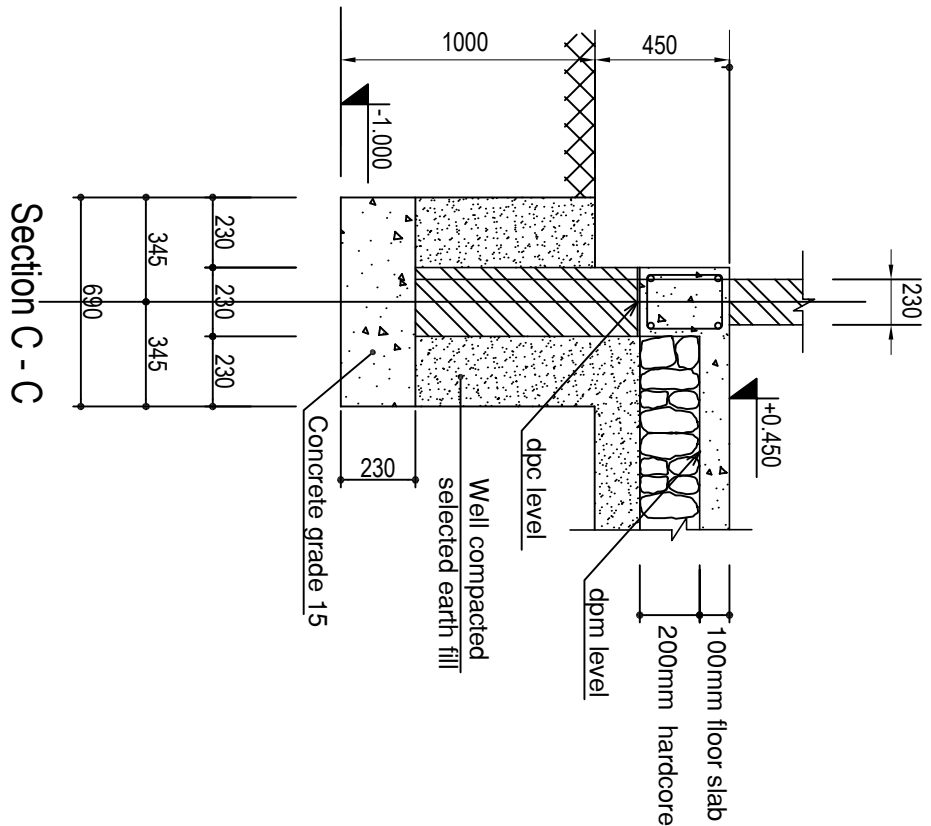
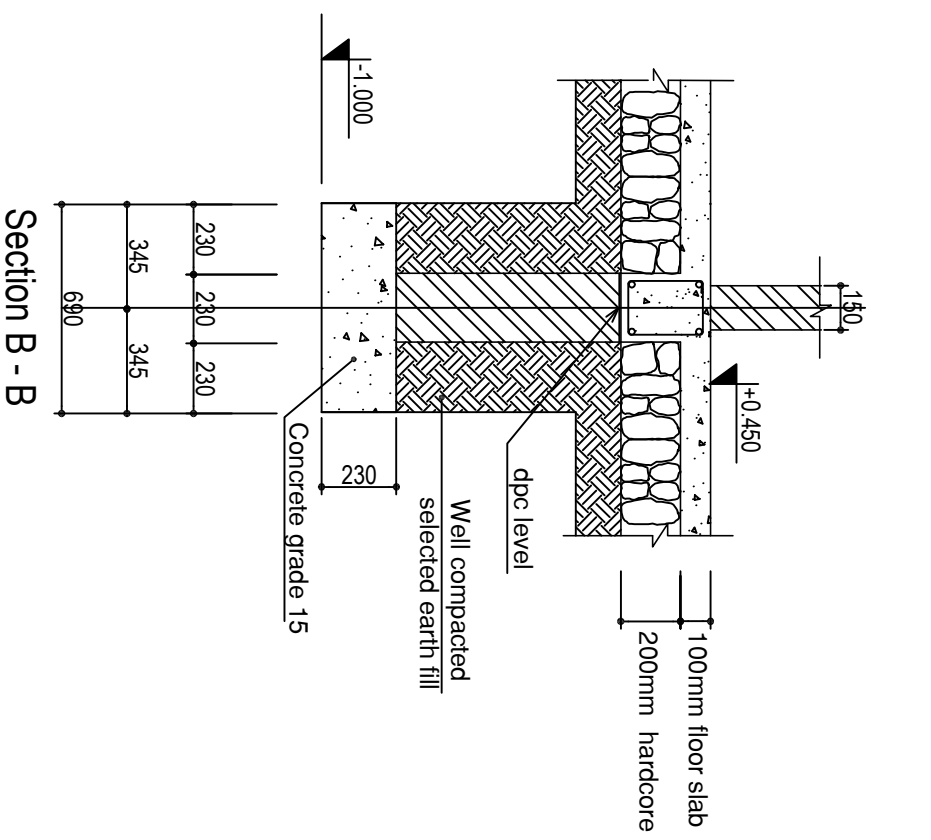
1. All dimensions are in mm unless otherwise specified
2. All discrepancies shall be referred to the structural engineer
3. Reinforced concrete shall be of grade 20 with  $f_{cu}=25N/mm^2$  at 28 days of age
4. Main reinforcements shall be high tensile steel with  $f_y = 460N/mm^2$
5. Nominal cover to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

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

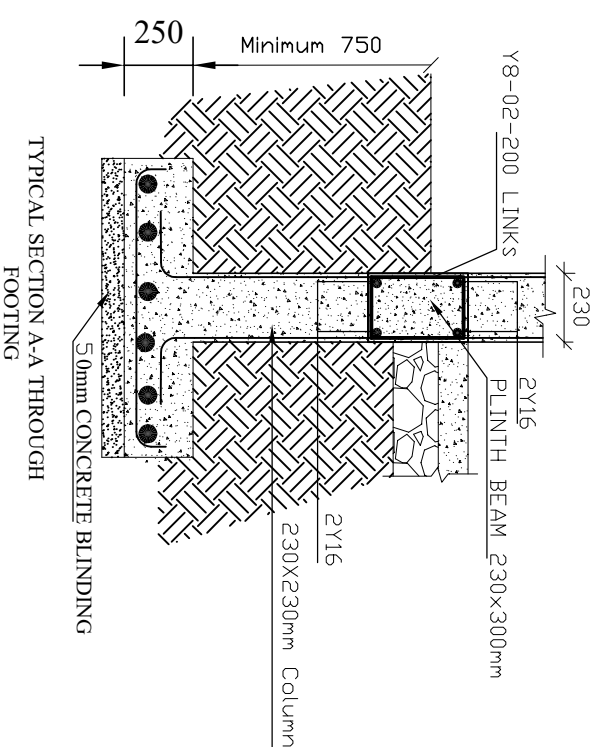
**CLIENT:**  
**PRESIDENT'S OFFICE  
REGIONAL ADMINISTRATIO  
LOCAL GOVERNMENT**  
  
**MINISTRY OF HEALTH,  
COMMUNITY DEVELOPMENT,  
GENDER AND CHILDREN**

**DRAWING TITLE:**  
**OPD & RCH FOUNDATION  
LAYOUT**

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



COLUMN FOOTING F1 - 4Nos  
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:  
**OPD & RCH FOUNDATION  
DETAILS**

Designed by: Eng. R.A.M

Drawn by: Eng. R.A.M

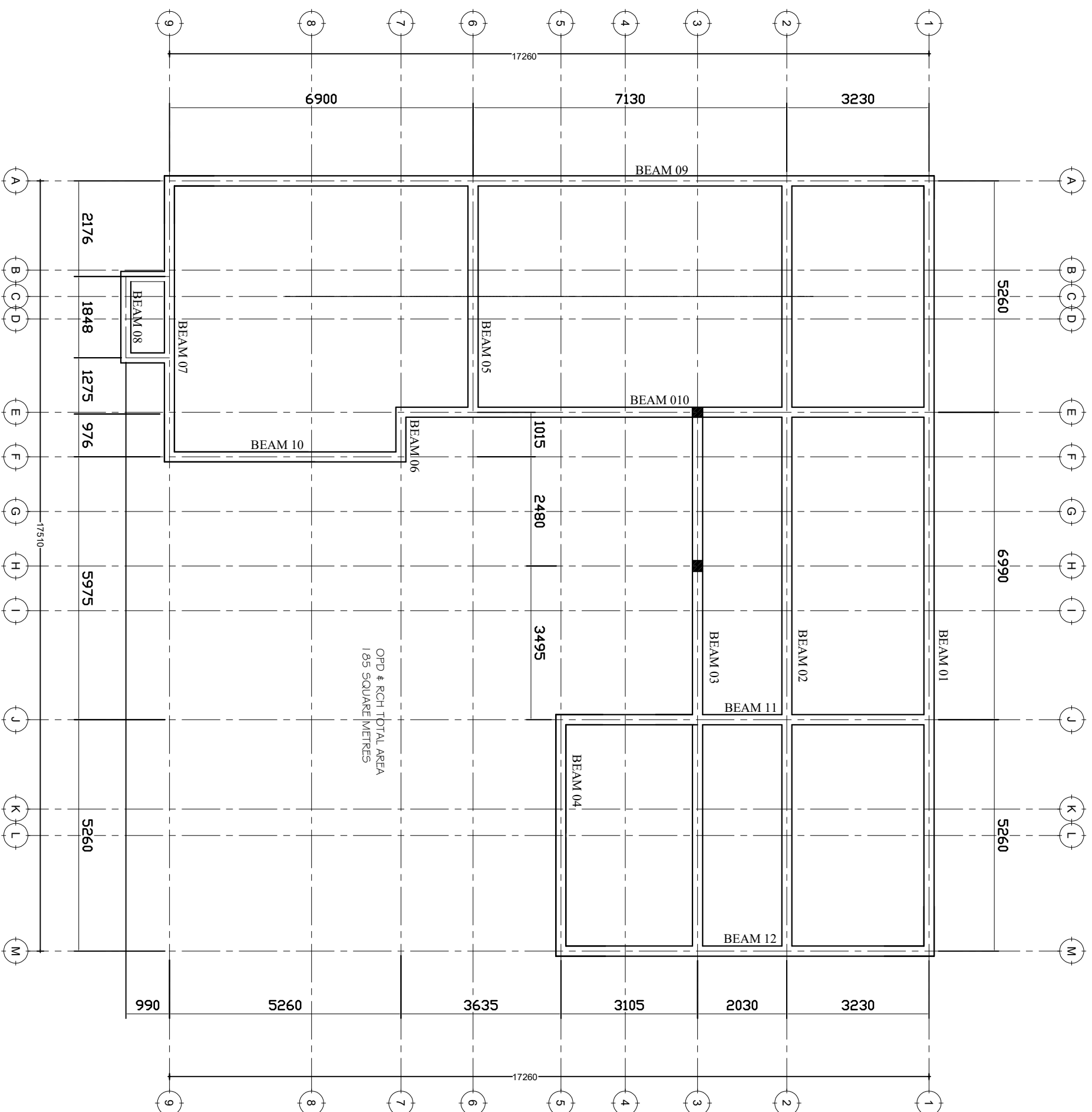
Checked by:

Approved by:

Date: 2018 Scale:

Drawing No. Sheet:

**STR,102**



**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:**

**OPD & RCH PLINTH BEAM  
LAYOUT**

Designed by: Eng. R.A.M

Drawn by: Eng. R.A.M

Checked by:

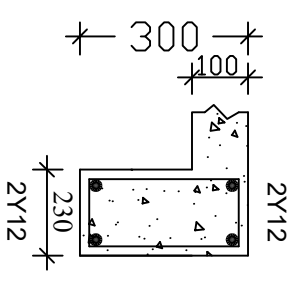
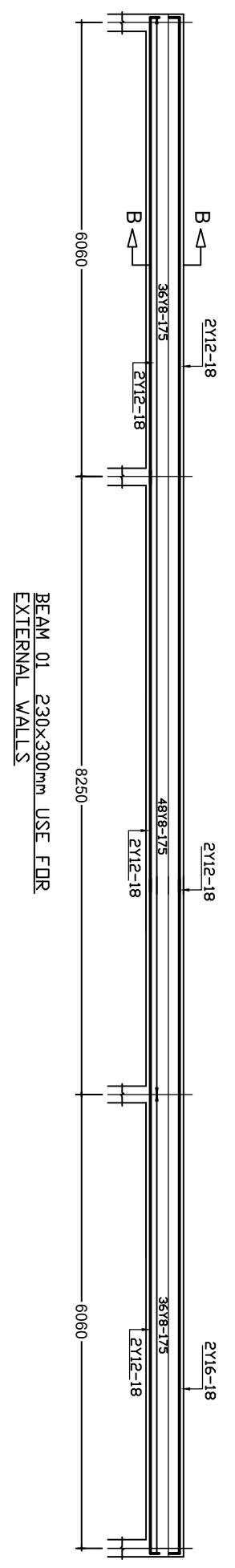
Approved by:

Date: **2018** Scale:

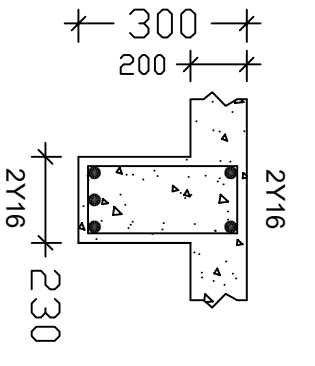
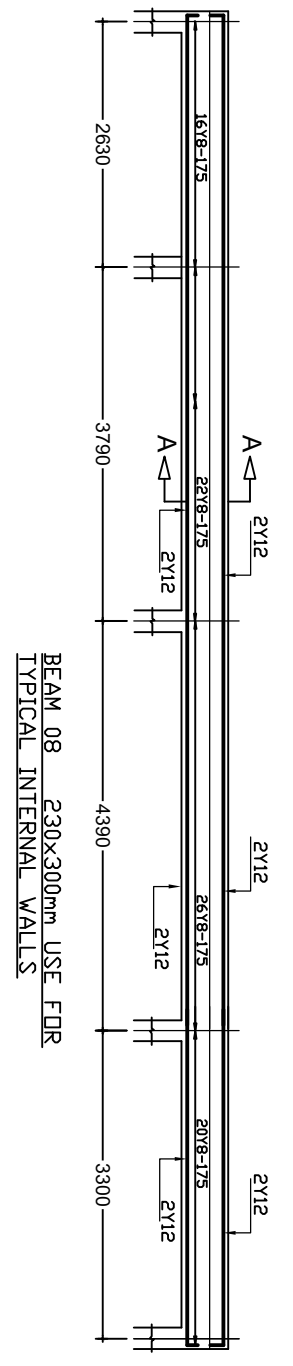
Drawing No. Sheet:

**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



**SECTION B-B**



**SECTION A-A**

**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:**  
**OPD & RCH PLINTH BEAM DETAILS**

Designed by: Eng. R.A.M  
 Drawn by: Eng. R.A.M

Checked by:  
 Approved by:

Date: **2018**  
 Scale:

Drawing No. **STR.104**  
 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:****OPD & RCH RINGBEAM  
LAYOUT**

Designed by: Eng. R.A.M

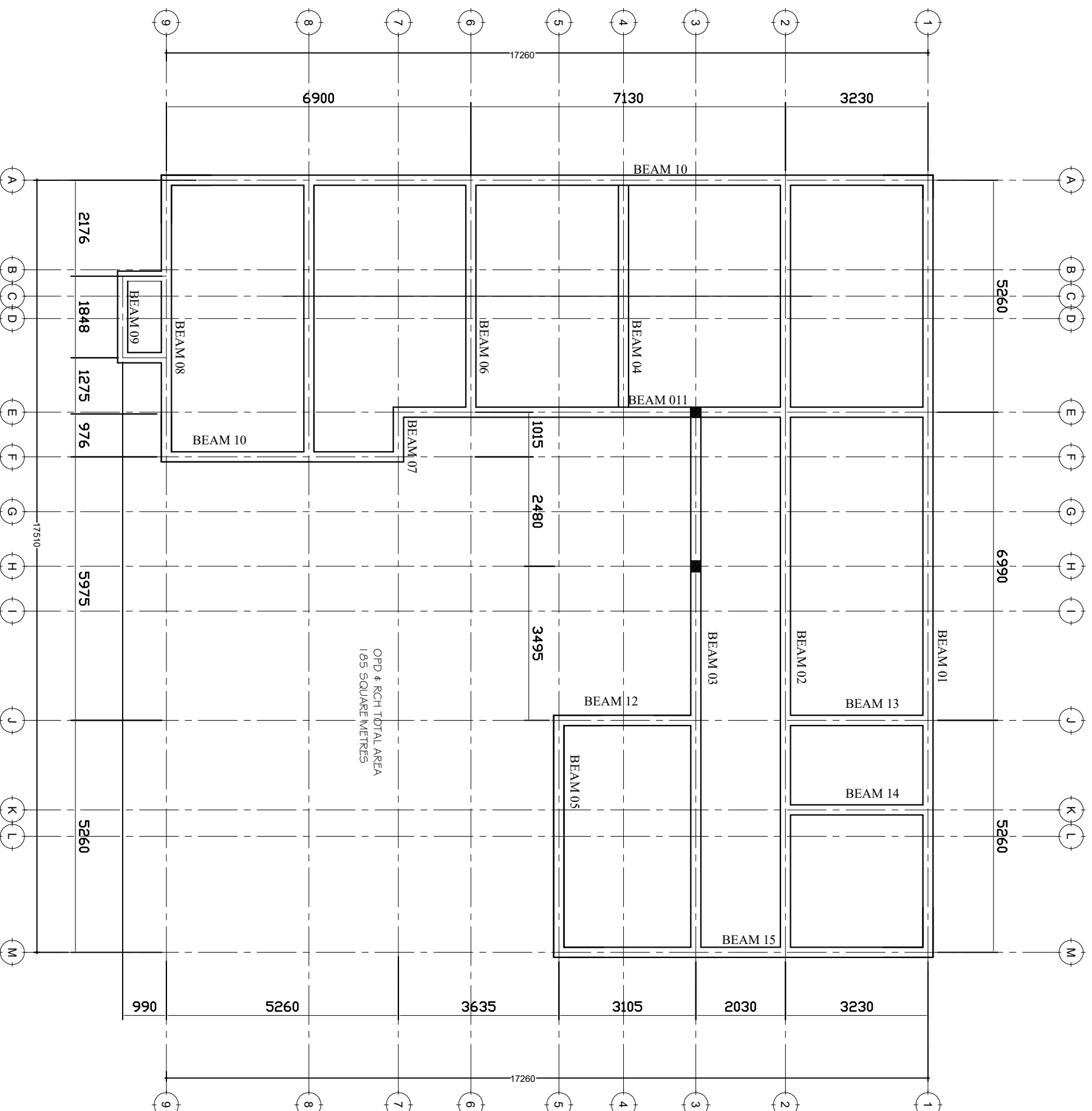
Drawn by: Eng. R.A.M

Checked by:

Approved by:

Date: 2018 Scale:

Drawing No. Sheet:

**STR. 105**



**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 ADMINISTRATIO  
LOCAL GOVERNMENT**

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

**DRAWING TITLE:**

**OPD & RCH RING BEAM  
DETAILS**

Designed by: Eng. R.A.M

Drawn by: Eng. R.A.M

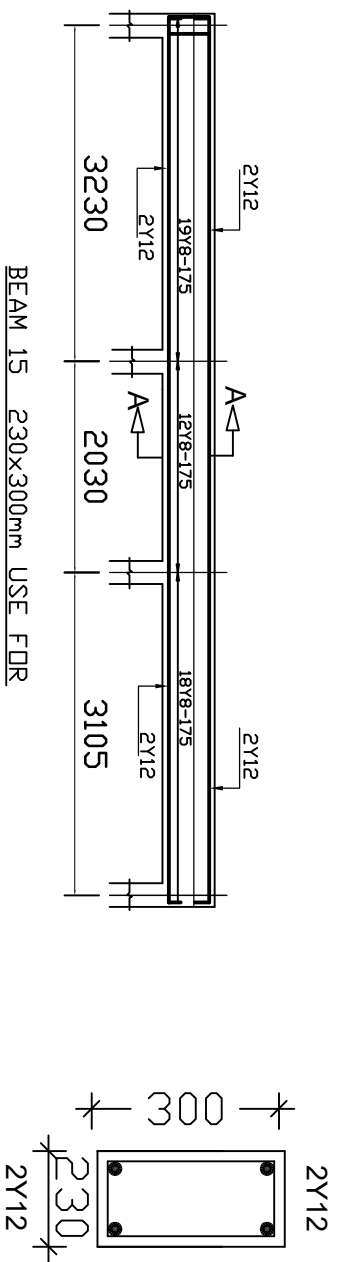
Checked by:

Approved by:

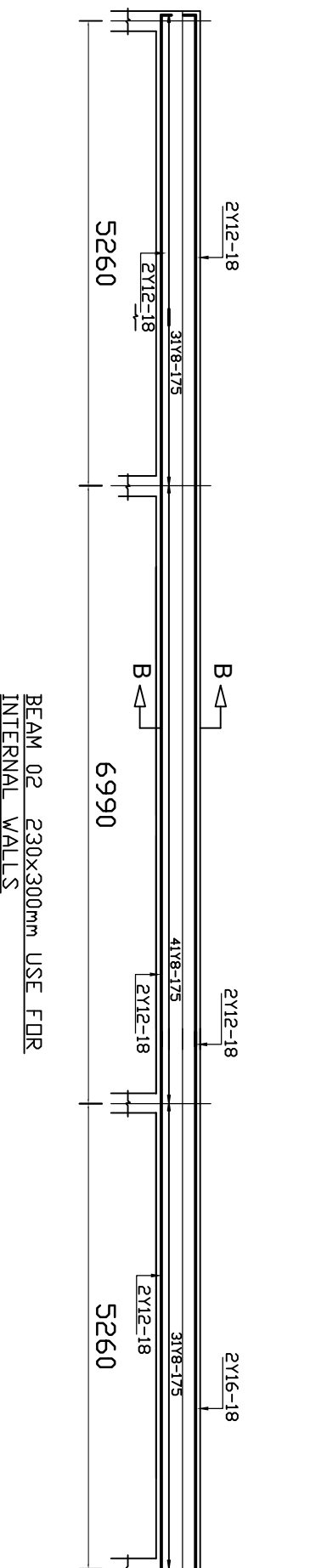
Date: **2018** Scale:

Drawing No. Sheet:

**STR.106**



**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 ADMINISTRATIO  
LOCAL GOVERNMENT**

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

**DRAWING TITLE:  
OPD & RCH COLUMNS  
DETAILS**

Designed by: Eng. R.A.M

Drawn by: Eng. R.A.M

Checked by:

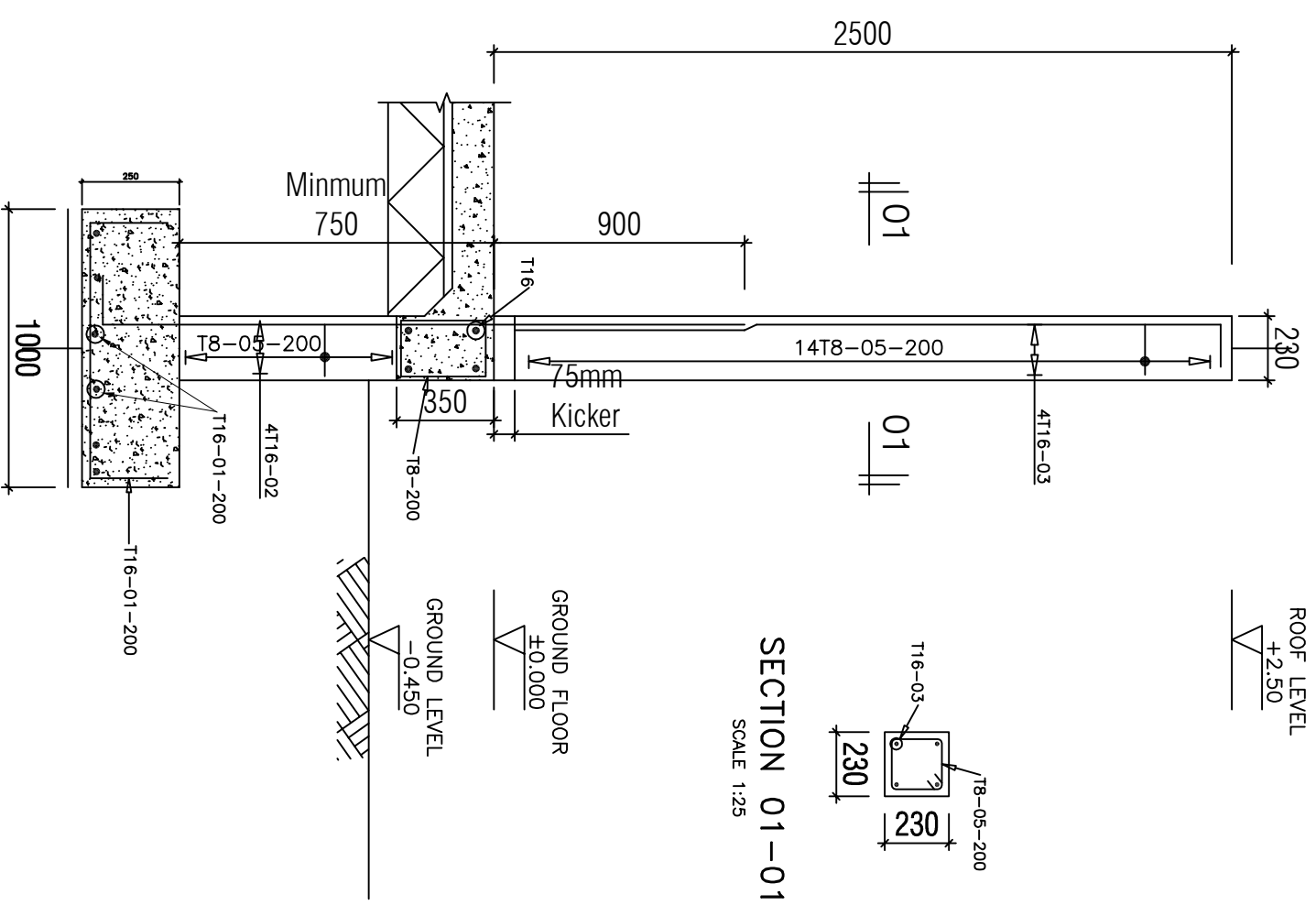
Approved by:

Date: **2018**

Scale:

Drawing No. **STR.106**

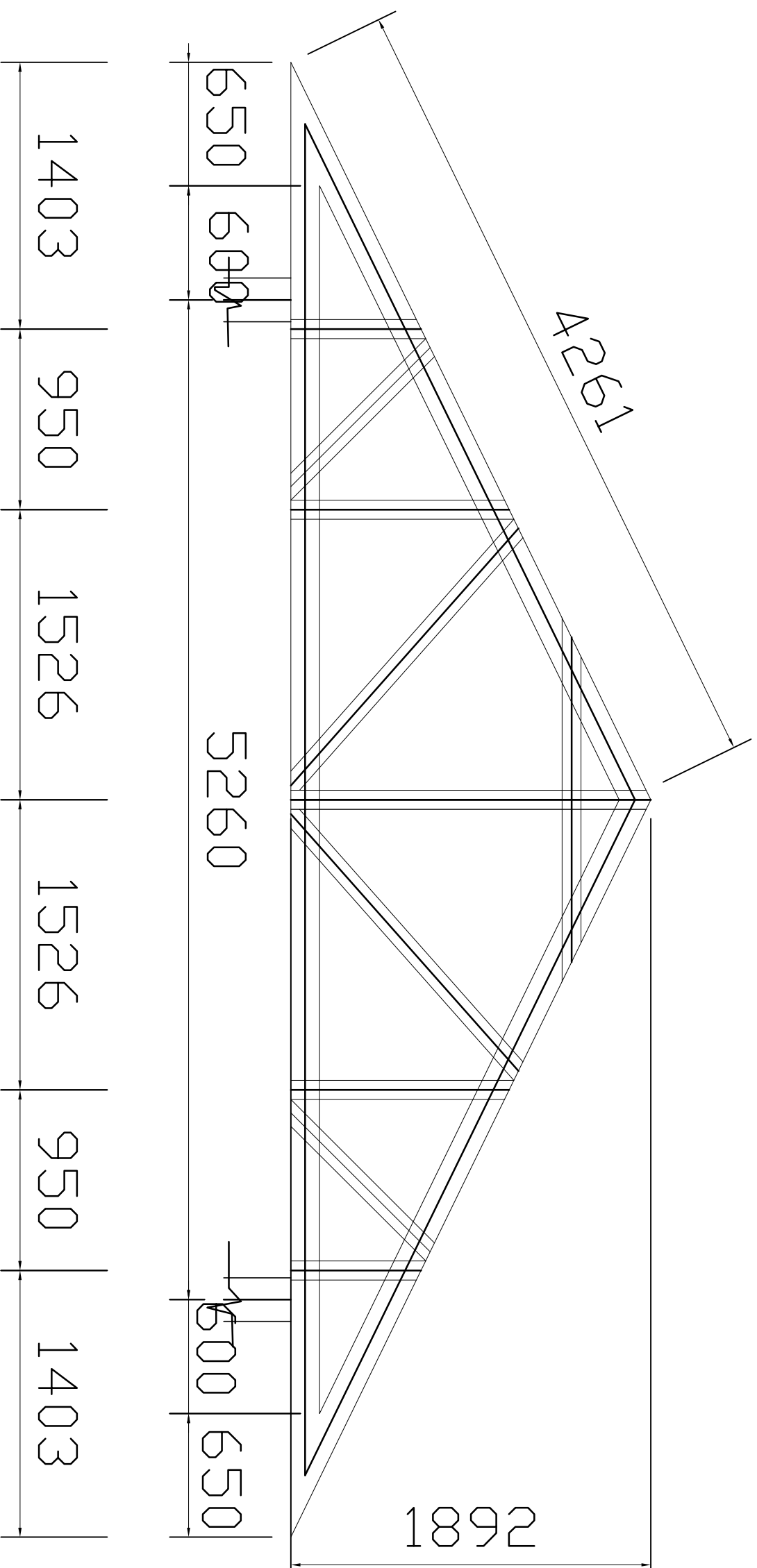
Sheet:



**COLUMN C3  
(230x230mm)**

SCALE 1:25





TYPICAL TRUSS T01

**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

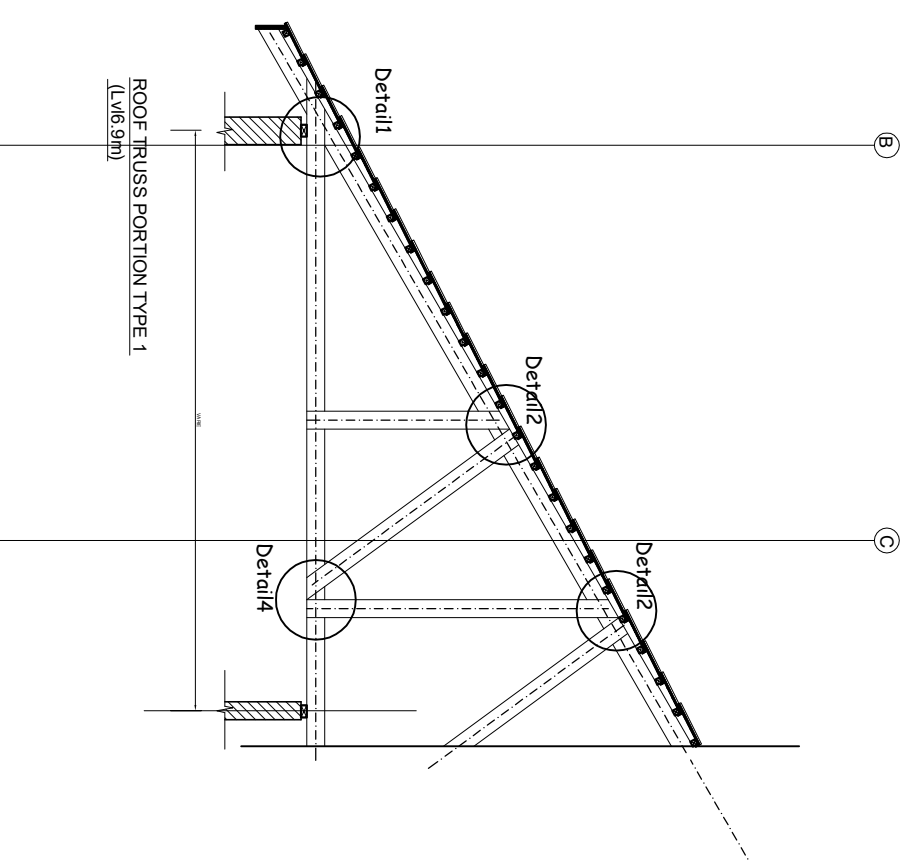
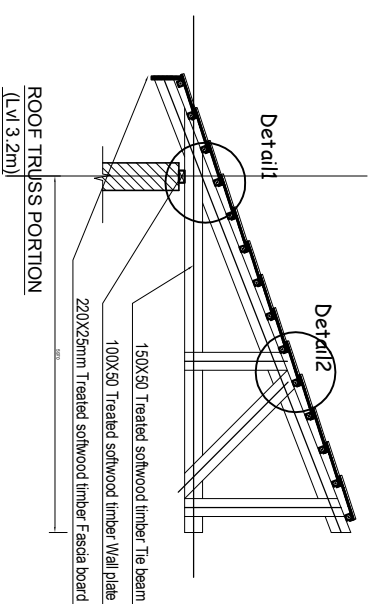
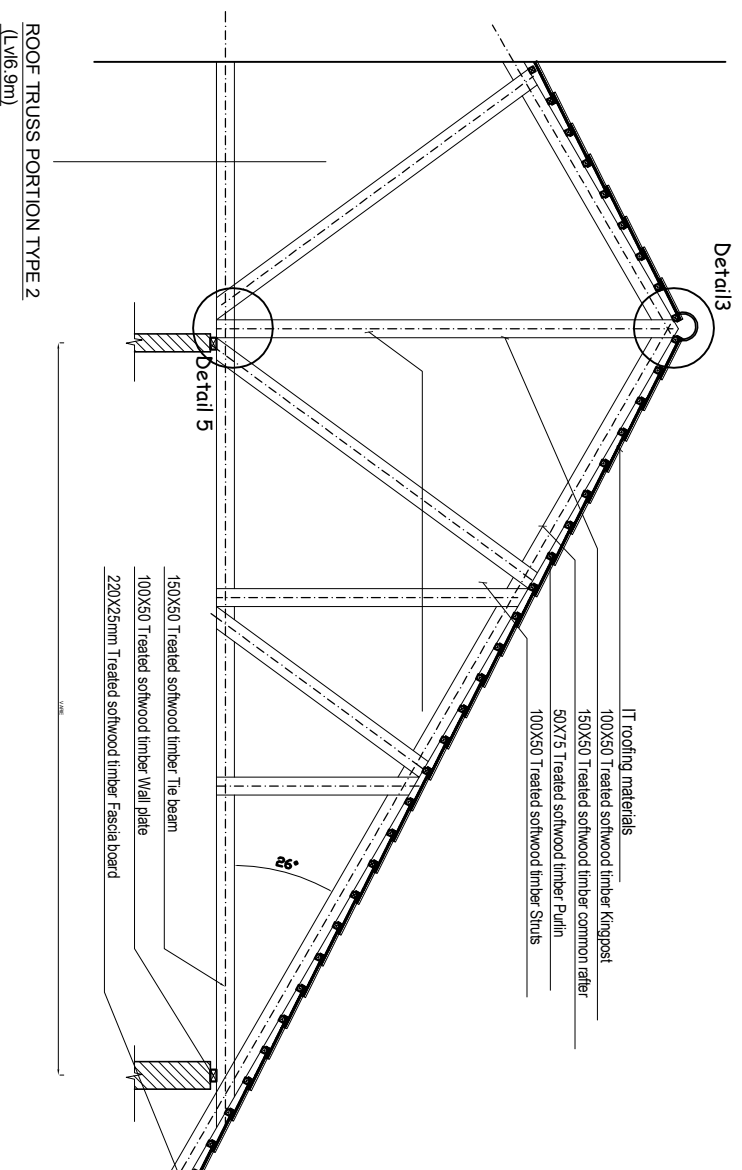
PROJECT:  
**PROPOSED  
REHABILITATION OF  
HEALTH CENTRES**

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

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

DRAWING TITLE:  
**OPD & RCH TRUSS DETAILS**

Designed by:	Eng. R.A.M
Drawn by:	Eng. R.A.M
Checked by:	
Approved by:	
Date:	2018
Scale:	
Drawing No.	STR.108
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:**  
**OPD & RCH TRUSS DETAILS AND  
 CONNECTIONS**

**Designed by:** Eng. R.A.M

**Drawn by:** Eng. R.A.M

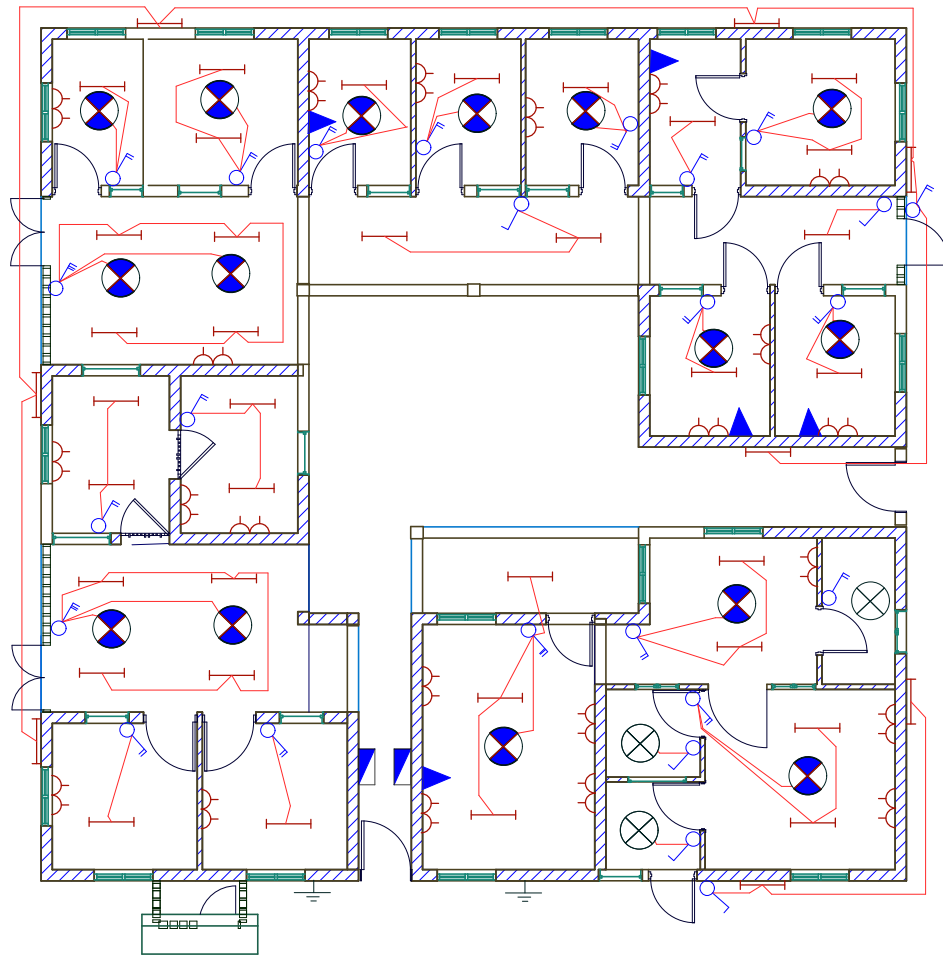
**Checked by:**

**Approved by:**

**Date:** 2018 **Scale:**

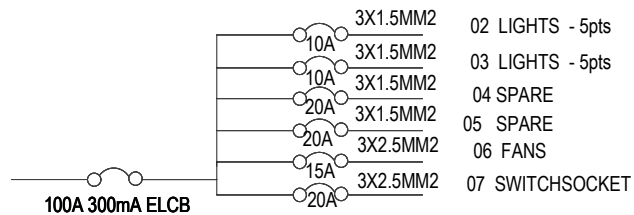
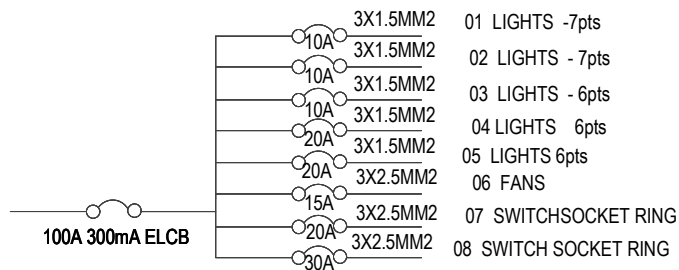
**Drawing No.** **Sheet:**

**STR.109**



8WAYS TPN DISTRIBUTION BOARD OPD & RCH

6WAYS SPN DISTRIBUTION BOARD MATERNITY



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, Elderly and Children  
University of Dodoma,  
College of Humanities and Social Science | 1th Building,  
P.O.Box 743,  
Dodoma

PROJECT NAME

**OPD&RCH,  
MATERNITY&DELIVERY**

PROPOSED DISPENSARY

DRAWING DESCRIPTION

**ELECTRICAL PLAN**

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