

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 MATERNITY BUILDING

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

SCHEDULE OF MATERIALS

MATERNITY - (GROSS FLOOR AREA =353 SQ.M)

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
	<u>MATERIALS</u>				
A	SUBSTRUCTURE - PROVISIONAL				
1	<u>Strip Foundation - Grade 15 Plain</u>				
	Aggregate (3/4")	31	M ³		
	Sand	16	M ³		
	Cement-50kgs	140	Bags		
2	<u>Foundation Walls</u>				
	6" Cement & Sand Block	2,230	No		
	Sand	8	M ³		
	Cement -50kgs	41	Bags		
3	<u>Moram, Hardcore & Site sterilization</u>				
	Moram (Lorry 4.5M ³)	22	Trips		
	Hadcore (Lorry 4.5M ³)	11	Trips		
	Sand	9	M ³		
	Aldrin solution or equal and other approved	20	Litres		
4	<u>Oversite Concrete (100mm thickM - 15 grade) & Ground Beam - 20 grade</u>				
	DPM	327	M ²		
	Cement -50kgs	225	Bags		
	Aggregates (1/2")	44	M ³		
	Sand	22	M ³		
	Reinforcement - 16mm diameter high tensile	5	PC'S		
	Reinforcement - 12mm diameter high tensile	64	PC'S		
	Reinforcement - 8mm diameter	76	PC'S		
	Timber 1" X 8" (5.2m long)	22	PC'S		
	Timber 2" X 2"	15	PC'S		
	Nails-4"	15	Kgs		
	Nails-3"	10	Kgs		
	Supporting props	25	PC'S		
	SUB-TOTAL SUB STRUCTURE				

SCHEDULE OF MATERIALS

MATERNITY - (GROSS FLOOR AREA =353 SQ.M)

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
B.	SUPERSTRUCTURE				
1	<u>Walls & Ring beam</u>				
	6" Cement & Sand Block	4,385	No		
	DPC	15	Roll		
	Sand	20	M ³		
	Cement-50kgs	167	Bags		
	Aggregates (1/2")	9	M ³		
	Reinforcement - 16mm diameter high tensile	11	PC'S		
	Reinforcement - 12mm diameter high tensile	60	PC'S		
	Reinforcement - 8mm diameter	75	PC'S		
	Binding Wire - 1kg	15	Bundle		
	Timber 1" X 8" to Sides (5.2m long)	60	PC'S		
	Timber 1" X 5" (Plates)	12	PC'S		
	Timber 2" X 2"	30	PC'S		
	Supporting Props	100	PC'S		
	SUB-TOTAL SUPER STRUCTURE				
C.	ROOF STRUCTURE & COVERING				
1	<u>Roof Structure - Provisional</u>				
	Timber 2" X 3" purlins	1,835	FT		
	Timber 2" X 4" kingpost	2,023	FT		
	Timber 2"X 6"rafters and tie beam	2,497	FT		
	Fascia board 1"X 10" (5.2m long)	19	PC'S		
	Nails -5"	55	Kgs		
	Nails -4"	60	Kgs		
	Nails -3"	33	Kgs		
	NOTE: The above soft wood timber structure should be pressure impregnated treated				
	TO COLLECTION			B/F	

SCHEDULE OF MATERIALS

MATERNITY - (GROSS FLOOR AREA =353 SQ.M)

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
				C/F	
2	Roof Covering				
	28G IT resincoated sheet	543	M		
	Hips - 28 G	18	PC'S		
	valley - 28 G	3	PC'S		
	Roofing Nails	21	Box		
3	Gutter's				
	Upvc 150mm half round (6m long)-5"	16	PC'S		
	Upvc 100mm dia.down pipe; Class B	12	PC'S		
	Clamp	36	PC'S		
	Upvc bend	12	PC'S		
	UPVC Elbow	48	PC'S		
	Screw and fisher	1	BOX		
	SUB-TOTAL ROOF STRUCTURE & COVERING				
E.	CEILING				
	Gypsum board -12mm thick	113	PC'S		
	Plain Cornice	136	PC'S		
	Gypsum Screw 1" 800pcs/box	15	Box		
	Screw 1.25" 800pcs/box	2	Box		
	Gypsum powder	18	Bags		
	Fibre tape	3	Pcs		
	Treatedd soft wood timber 2" X 2"	5,932	FT		
	Nails 4"	10	Kgs		
	Nails 3"	13	Kgs		
	PVC ceiling with its fittings	87	Pc's		
	SUB-TOTAL FOR CEILING				

SCHEDULE OF MATERIALS

MATERNITY - (GROSS FLOOR AREA =353 SQ.M)

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
F.	DOOR				
1	<u>40mm thick solid core flush door shutter</u>				
	1500 x 2100 mm high	3	PC'S		
	1000 x 2100mm high	6	PC'S		
	900 x 2100mm high	9	PC'S		
2	<u>Frames (hardwood),Varnish, Glass & Burglar bar</u>				
	1500 x 2500 mm high	3	PC'S		
	1000 x 2500mm high	6	PC'S		
	900 x 2500mm high	3	PC'S		
	900 x 2100mm high	6	PC'S		
	4mm thick clear glass to Vents	6	SQ.M		
	16 mm burglar bars	2	PC'S		
	Brush 3"	8	Pcs		
	Sand paper (msasa) No.80	20	LM		
	Clear Varnish - 4Litres	4	TIN		
	TINA for Varnish -4Litres	2	Litres		
3	<u>IronMongeries - Union</u>				
	Mortice lock - Three lever	18	No		
	Brass hinges - 100mm	24.0	Pairs		
	Barrel bolt - 150mm	36	No		
	Wood Screw	4	Box		
	Kick- plate; 750 x 200mm	12	No		
	Kick- plate; 900 x 200mm	10	No		
	Kick- plate; 1000 x 200mm	12	No		
	Hinges double swing -150mm	9	Pairs		
	Pushing plate	12	No		
	SUB-TOTAL FOR DOORS				

SCHEDULE OF MATERIALS

MATERNITY - (GROSS FLOOR AREA =353 SQ.M)

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
G.	WINDOWS				
1	<u>Supply and fix Aluminium Windows 2mm thick frem with glass, Mosquitor gauze and its ironmongeries</u>				
	1500 X 1500mm high	13	PC'S		
	600 X 600mm high	8	PC'S		
	1200 X 1500mm high	1	PC'S		
	900 X 1500 mm high	2	PC'S		
	2400 X 900 mm high	6	PC'S		
2	<u>Supply and fix 4mm thick flat bar grill painted red-oxide</u>				
	1500 x 1500mm high	2	PC'S		
	900 X 1500mm high	2	PC'S		
	SUB-TOTAL FOR WINDOWS				
H.	FINISHING				
1	Floor finishing				
	Sand	15	M ³		
	Cement-50kgs	94	Bags		
	600 X 600 - Non-slippery porcelain floor tiles - (1.46sqm/Box)	229	Box		
	Epoxy - Grout (1kg/packet)	7	Bucket		
	Spacer	5	Packet		
	Skirting (600mm long; 25/Box)	12	Box		
2	<u>Wall Finishing</u>				
	Sand	19	M ³		
	Cement-50kgs	113	Bags		
	White cement - 50kg	10	Bags		
	Gypsum powder	18	Bags		
	Sand pepar No.120 (msasa)	1	Roll		
	200 X 300 Wall tiles to toilets full height -0.96 sqm/Box)	155	Box		
	Grout	5	Packet		
	Spacer	2	Packet		
	SUB-TOTAL FOR FINISHING				

SCHEDULE OF MATERIALS

MATERNITY - (GROSS FLOOR AREA =353 SQ.M)

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
J.	PAINTING & DECORATION				
	Emulsion Paint - 20 LTRS	22	buckets		
	Weather guard Paint - 20 LTRS	6	buckets		
	Washable paint -20 LTRS (light blue green)	9	buckets		
	Primer paint -20 LTRS	2	buckets		
	Solvent - 5LTRS	2	TIN		
	Brush 3"	5	Pcs		
	Roller	6	Pcs		
	Gloss paint-4LTR	2	TIN		
	Bitumen paint - 4Litres	4	TIN		
	SUB-TOTAL FOR PAINTING&DECORATION				

SCHEDULE OF MATERIALS

MATERNITY - (GROSS FLOOR AREA =353 SQ.M)

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
K.	ELECTRICAL INSTALLATION				
1	Single fluorescent fitting, approved philips or equal	14	No		
2	Double fluorescent fitting, approved philips or equal	11	No		
3	Double switch socket	14	No		
4	Main switch 8way,3PH with intergral RCD	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 approved uro or equal red	2	Roller		
9	Single core wire 2.5sqmm approved uro or equal black	2	Roller		
10	Single core wire 2.5sqmm approved uro or equal green	2	Roller		
11	Ceiling fan, approved National or equal	4	PC's		
12	4 core cable 16mmsq	20	M		
13	3gang one way switch	1	No		
14	2gang two way switch	6	No		
15	20A DP switch		No		
16	Lan socket	2	No		
17	Gypsum light complete with energy saver	7	No		
18	Earth rod approved copper not less than 1200mm	1	No		
19	Earth wire 4sqmm	30	M		
20	Metal box double	15	No		
21	Metal box single	14	No		
22	Junction box	60	No		
23	Conduit pipe	110	PC's		
24	Elbow	55	PC's		
25	Conduit coupling	50	PC's		
26	Round cover	100	PC's		
27	Round box	50	PC's		
28	fine screw	5	PACKET		
29	Plastic clips 22mm	3	Box		
	SUB-TOTAL ELECTRICAL INSTALLATION				

SCHEDULE OF MATERIALS

MATERNITY - (GROSS FLOOR AREA =353 SQ.M)

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
L.	PLUMBING & SANITARY INSTALLATION (PROVISIONAL)				
1	Nipple -1/2" bronze	35	PC'S		
2	Shower head 1/2" bronze	2	PC'S		
3	IPS pipe 1/2	4	PC'S		
4	Elbow 1/2" GS	20	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"	3	PC'S		
8	PVC 1 1/2" pipe	4	PC'S		
9	Elbow 1 1/2" pvc	10	PC'S		
10	Tee 1 1/2" pvc	6	PC'S		
11	Plug 1 1/2" pvc	6	PC'S		
12	Flexible pipe 1/2"	8	PC'S		
13	Elbow 1/2" IPS	12	PC'S		
14	Nipple -1/2" IPS	13	PC'S		
15	Seal tape	23	PC'S		
16	WC squatting Complete with P trap -Asian type	4	PC'S		
17	WC High level complet with all necessary fittings	1	PC'S		
18	Sluice sink complete with pilar tape and all necessary accessories as per approved	1	PC'S		
19	PVC Elbow 4"	10	PC'S		
20	PVC pipe 4" -CLASS B	6	PC'S		
21	PVC vent	4	PC'S		
22	IPS pipe 1/2"	4	PC'S		
23	Elbow 1/2" IPS	100	PC'S		
24	Tee 1 1/2" IPS	10	PC'S		
25	Gully trap	2	PC'S		
26	Socket -chromium -1/2"	10	PC'S		
27	Nipple -IPS	6	PC'S		
28	Tread tap	12	PC'S		
29	Shower rose	2	PC'S		
30	Toilet aper holder	5	PC'S		
31	PVC clamp -4"	10	PC'S		
32	Hands wash basin complete with 6" Levers operating for elbow control and its accessories	5	PC'S		
33	Mirror	5	PC'S		
	SUB-TOTAL FOR PLUMBING AND SANITARY INSTALLATION				

SCHEDULE OF MATERIALS

MATERNITY - (GROSS FLOOR AREA =353 SQ.M)

	<u>GENERAL SUMMARY</u>	AMOUNT
		TZS
	<u>MATERNITY BUILDING</u>	
A.	SUBSTRUCTURE - PROVISIONAL	
B.	SUPERSTRUCTURE	
C.	ROOF STRUCTURE & COVERING	
D.	CEILING	
E.	DOOR	
F.	WINDOWS	
G.	FINISHING	
H.	PAINTING & DECORATION	
J.	ELECRICAL INSTALLATION	
K.	PLUMBING & SANITARY INSTALLATION (PROVISIONAL)	
	TOTAL MA	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	Pembezoni mwa jamvi	
5	Pembezoni 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 (2230 pc's)	
	<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 (4385PC'S)	
	<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>Umaliziaji (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 umaliziaji(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	

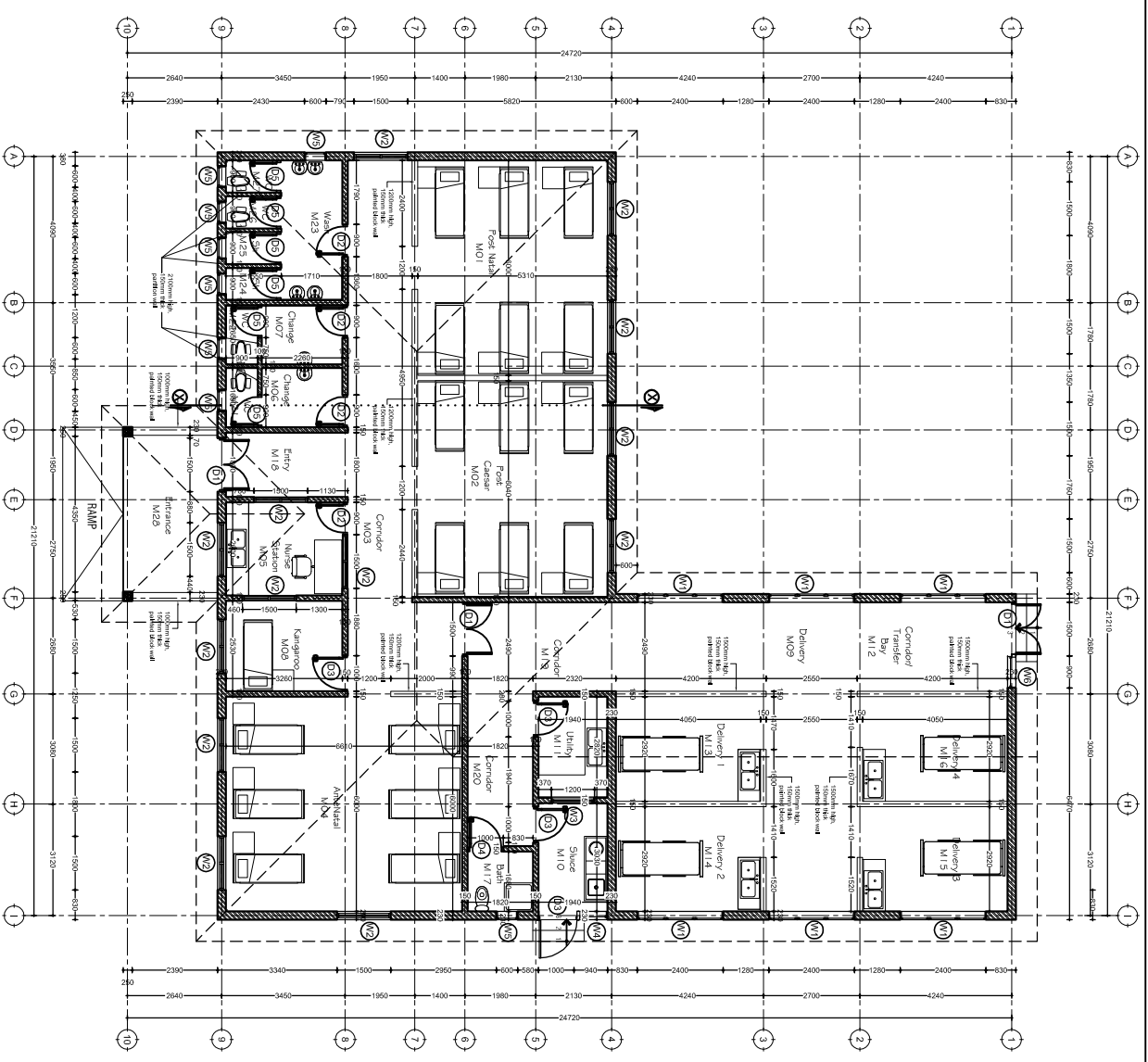
MAJUMUISHO (SUMMARY)		
		Shs
A.	Msingi wa Jengo (Sub-structure)	
B.	Kunyanyua jengo (Super-structure)	
C.	Kuezeka (Roof structure and covering)	
D.	Milango	
E.	Umaliziaji (Finishing)	
F.	Rangi na Mapambo (Painting & Decoration)	
G.	Umeme (Electrical installation)	
H.	Mifumo ya maji safi na taka (Water 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	1500mm	2500mm	3
D2	900mm	2500mm	4
D3	1000mm	2500mm	4
D4	1000mm	2100mm	1
D5	900mm	2100mm	6
W1	2400mm	900mm	6
W2	1500mm	1500mm	13
W3	1200mm	1500mm	1
W4	940mm	1500mm	1
W5	600mm	600mm	8
W/S	900mm	600mm	1



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

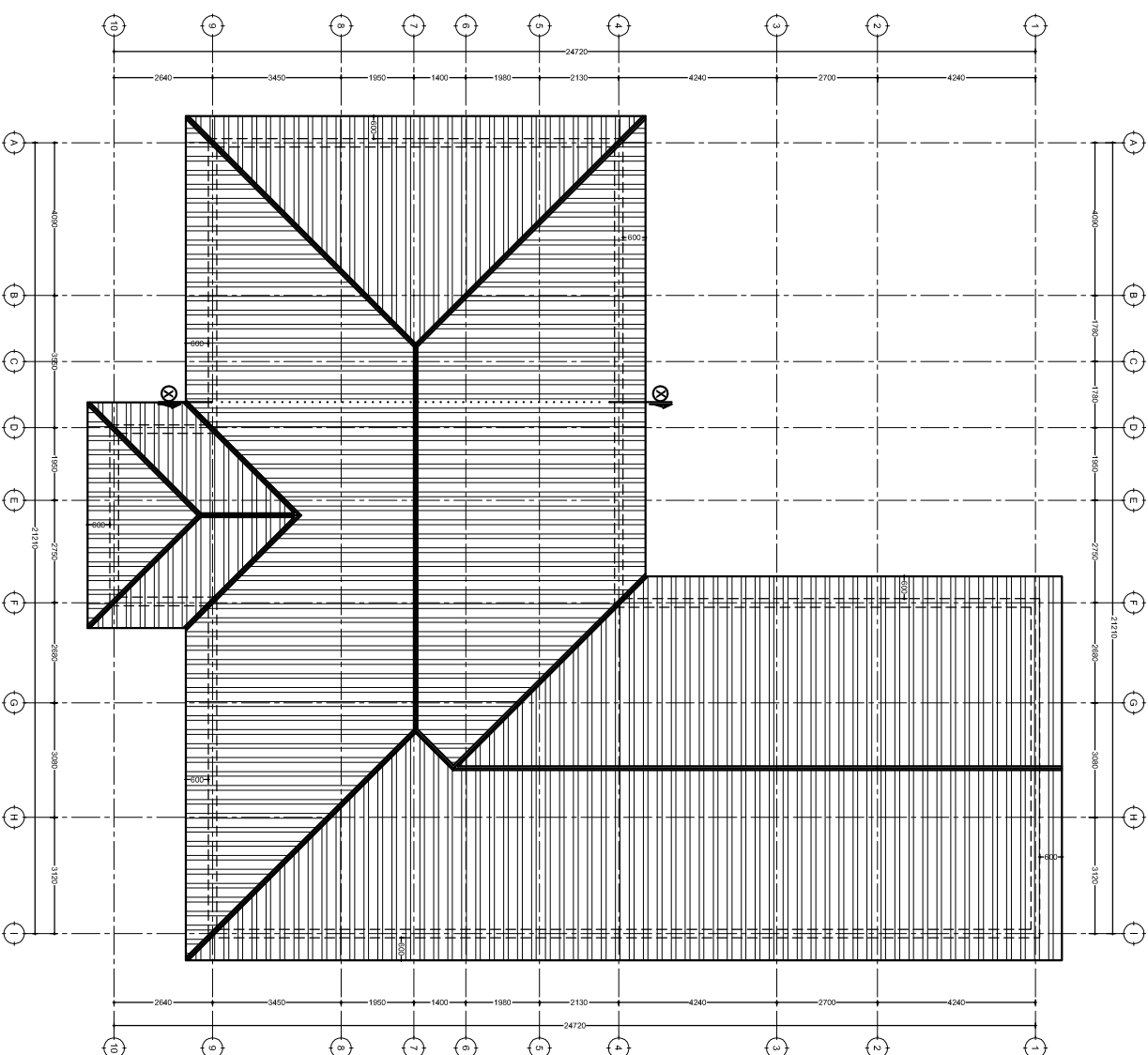
No.	Description	Date

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

MATERNITY BLOCK
 Ground Floor Plan

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

A101



ROOF PLAN

SCALE: 1:100

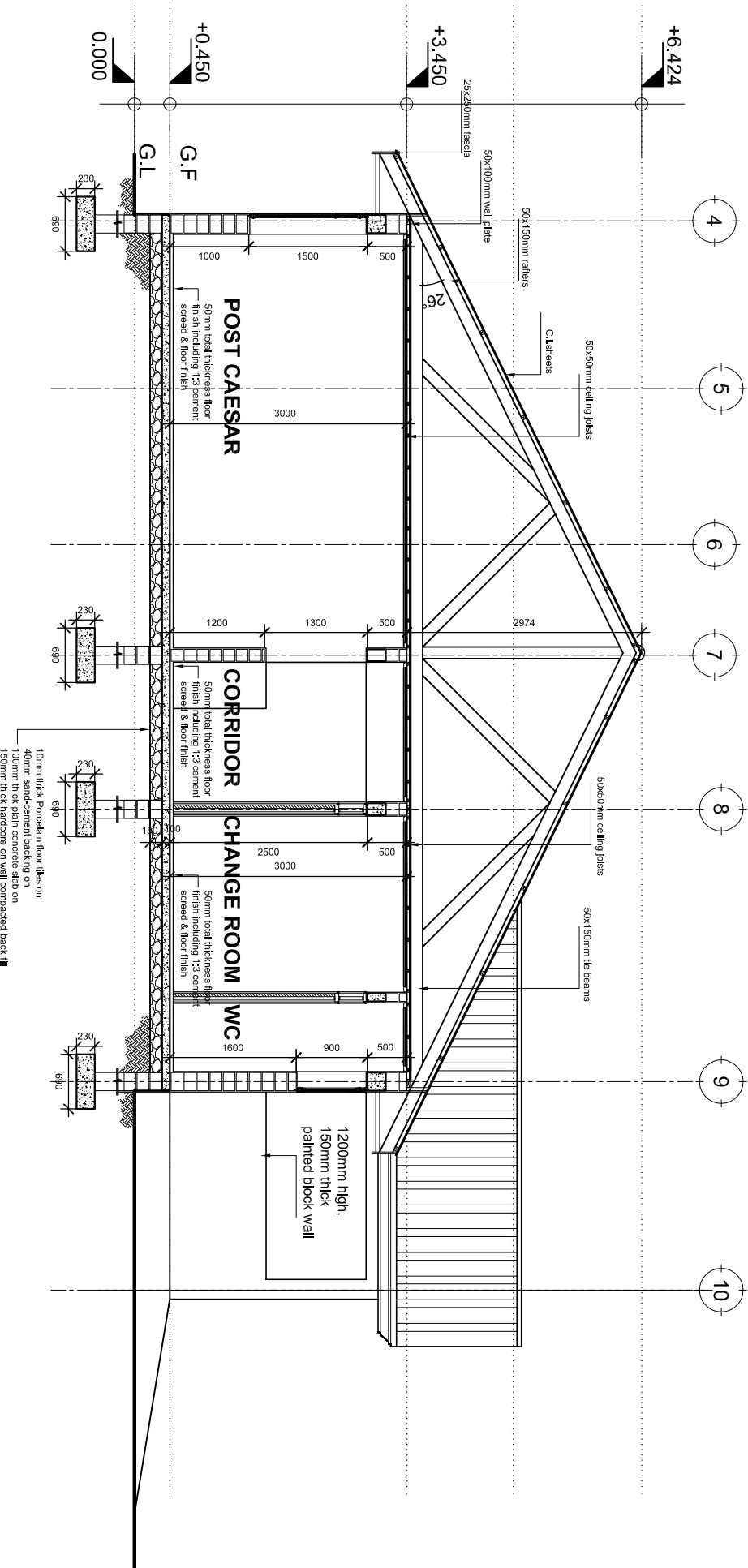
Building Section
 Policy and Planning Department
 Ministry of Health, Community Development,
 Gender, Elderly and Children
 University of Dodoma
 College of Humanities and Social Science | 11th
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 P. O. Box 743,
 40478 DODOMA

Approved

No.	Description	Date

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

MATERNITY BLOCK		Roof Plan	
Project number	2018 /02 /01	Date	02 FEBRUARY 2018
Drawn by	DCNM	Checked by	DCNM
Scale	1: 100		



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
Building,
P. O. Box 743,
40478 DODOMA

Approved

No.	Description	Date

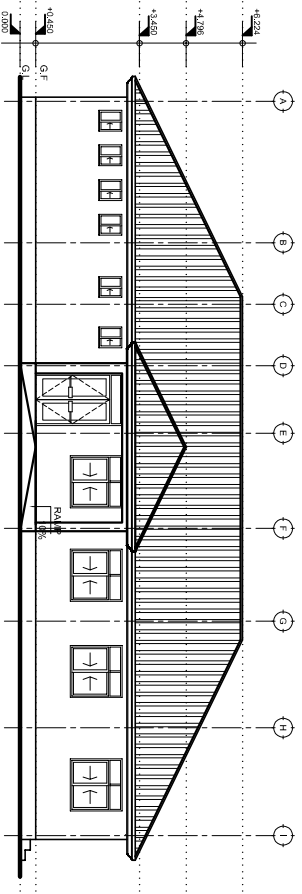
Client
**PRESIDENT OFFICE, REGIONAL ADMINISTRATION
AND LOCAL GOVERNMENT**

Project
PROPOSED HEALTH CENTER

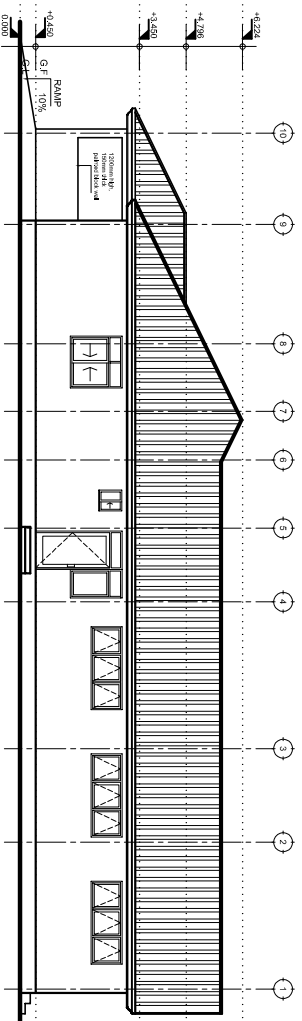
MATERNITY BLOCK
Section X:X

Project number	2018 / 02 / 01
Date	02 FEBRUARY 2018
Drawn by	DCNM
Checked by	DCNM
Scale	1:50

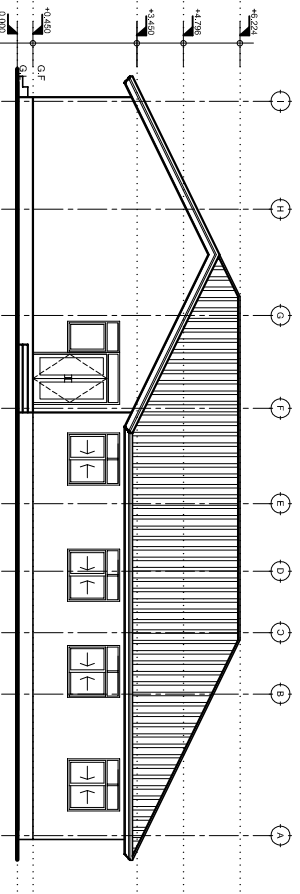
A / O 3



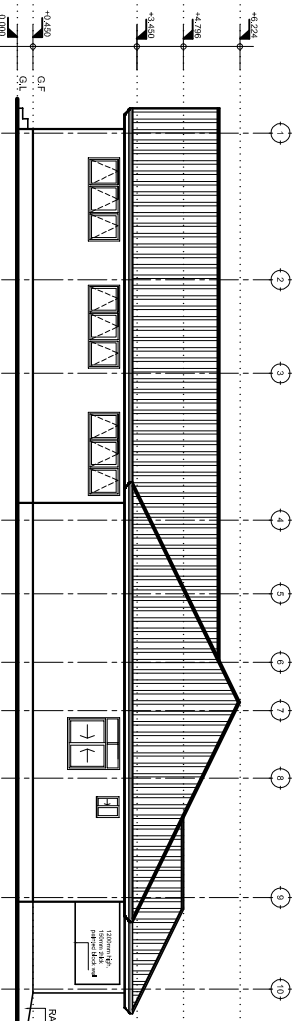
FRONT ELEVATION



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,
40473 DODOMA

Approved

No.	Description	Date

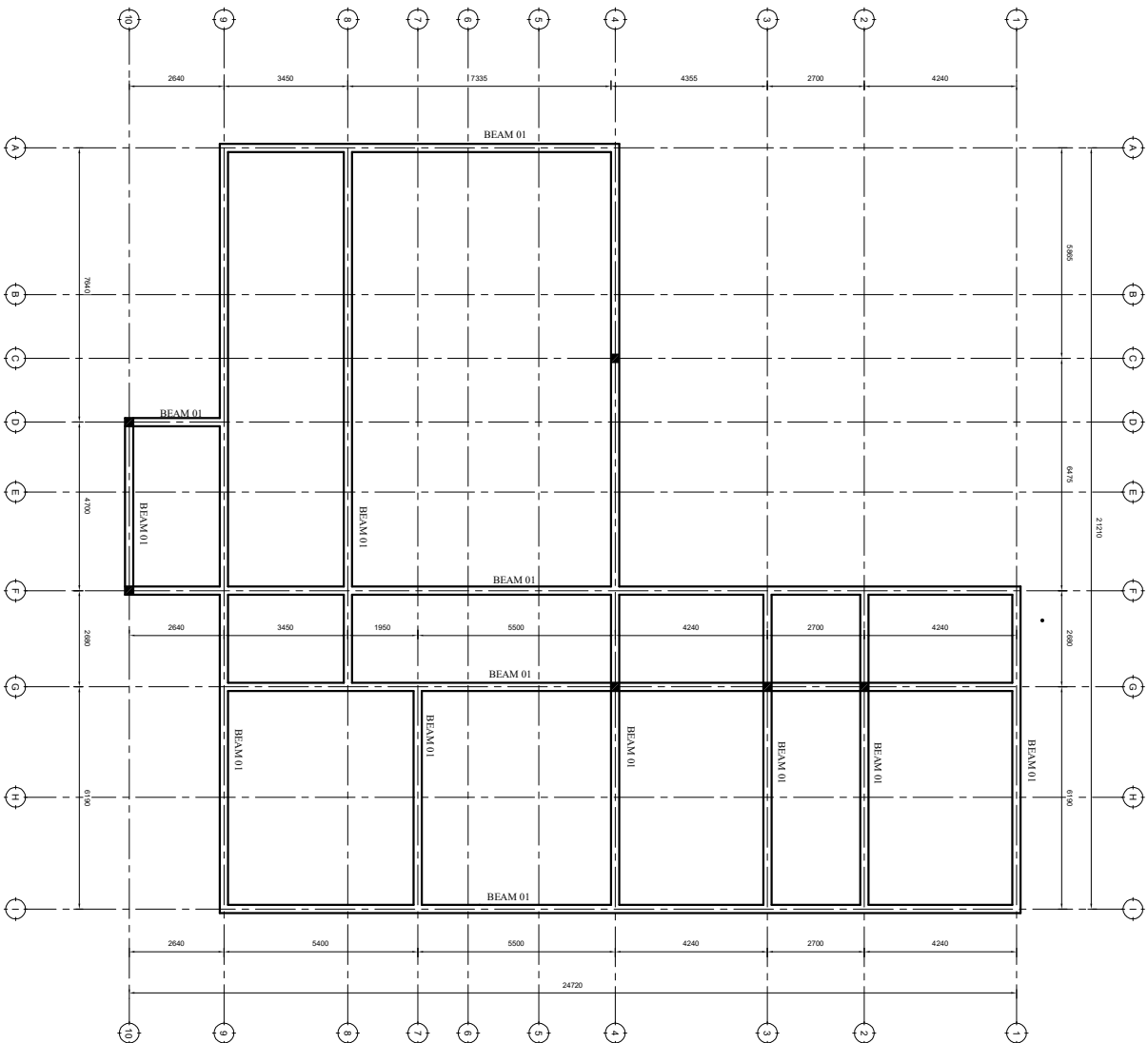
Client
PRESIDENT OFFICE, REGIONAL ADMINISTRATION
AND LOCAL GOVERNMENT
Project
PROPOSED HEALTH CENTER

MATERNITY BLOCK Elevations

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

A104

Scale 1:100



PLINTH 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

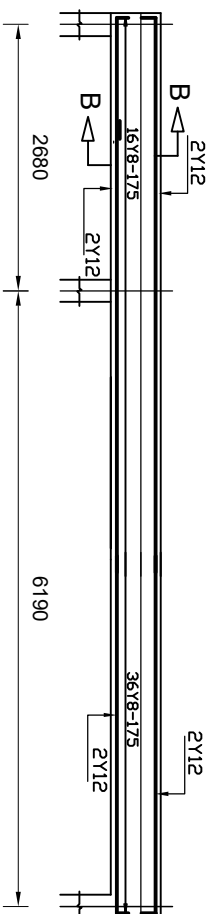
PROJECT:
PROPOSED REHABILITATION OF HEALTH CENTRES

CLIENT:
 PRESIDENT'S OFFICE
 REGIONAL ADMINISTRATION
 AND LOCAL GOVERNMENT

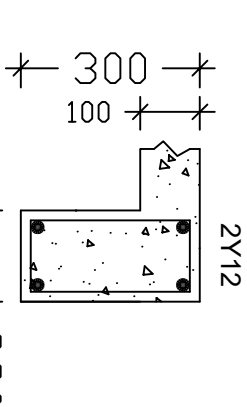
MINISTRY OF HEALTH, COMMUNITY DEVELOPMENT, GENDER, ELDERLY AND CHILDREN

DRAWING TITLE:
MATERNITY WARD PLINTH BEAM LAYOUT

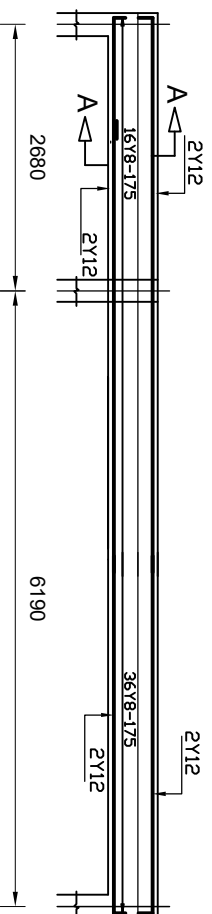
Designed by:	Eng. R.A.M
Drawn by:	Eng. R.A.M
Checked by:	Eng. A.MKHOITYA
Approved by:	
Date:	2018
Scale:	
Drawing No.	STR.103
Sheet:	



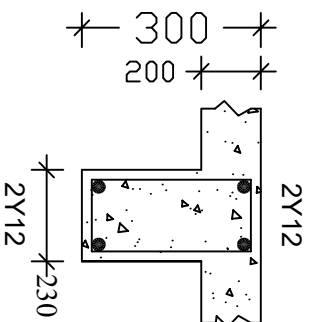
PLINTH BEAM DETAILS 230x300mm
FOR USE FOR TYPICAL EXTERNAL
WALLS (BEAM 01)



SECTION B-B



PLINTH BEAM DETAILS 230x300mm
USE FOR TYPICAL INTERNAL WALLS
(BEAM 02)



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
AND LOCAL GOVERNMENT

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

**DRAWING TITLE:
MATERNITY WARD PLINTH BEAM
AND DETAILS**

Designed by: Eng. R.A.M

Drawn by: Eng. R.A.M

Checked by: Eng. A.MKHOTYA

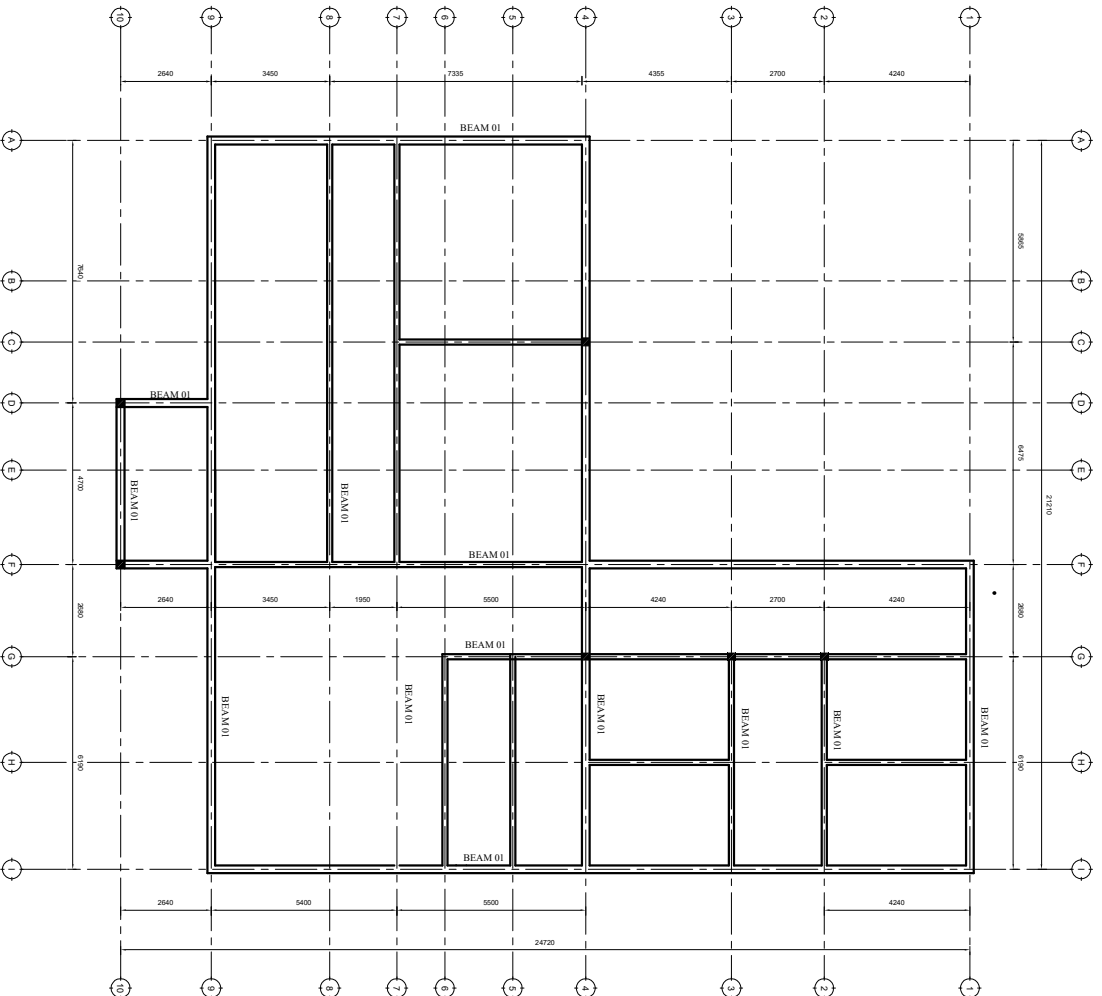
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Date: 2018

Scale:

Drawing No. STR.104

Sheet:



PLINTH BEAM LAYOUT

NOTE:

1. All dimensions are in mm unless otherwise specified
2. All discrepancies shall be referred to the structural engineer
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PROJECT:

PROPOSED REHABILITATION OF HEALTH CENTRES

CLIENT:

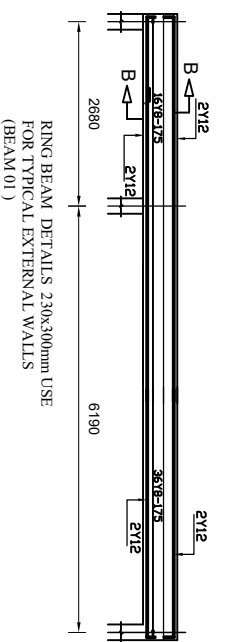
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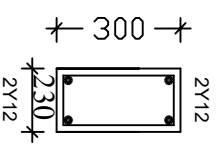
DRAWING TITLE:

WATERINITY WARD RINGBEAM LAYOUT

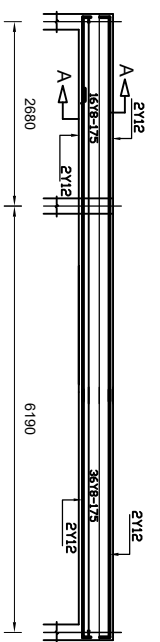
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Approved by:	
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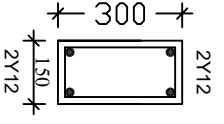
RING BEAM DETAILS 230x300mm USE
FOR TYPICAL EXTERNAL WALLS
(BEAM 01)



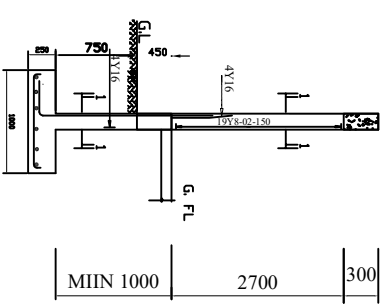
SECTION B-B



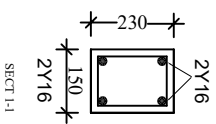
RING BEAM DETAILS 230x300mm USE
FOR TYPICAL INTERNAL WALLS
(BEAM 02)



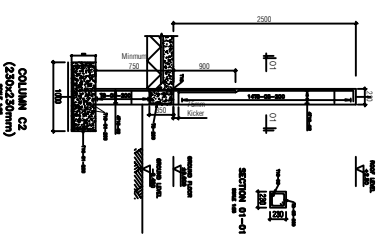
SECTION A-A



COLUMN C1 - 3Nos
230x230mm



SECT 1-1



COLUMN C2
(2Nos)
230x230mm

NOTE:

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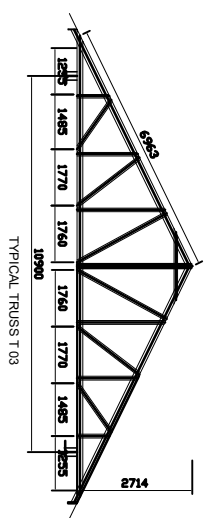
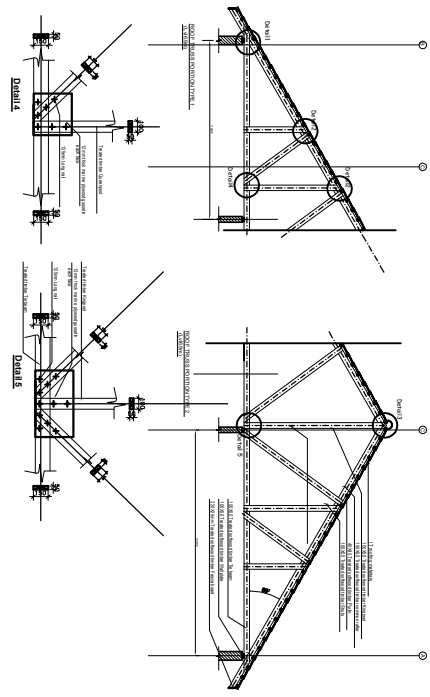
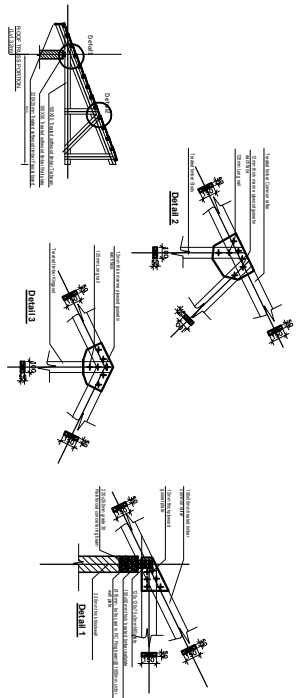
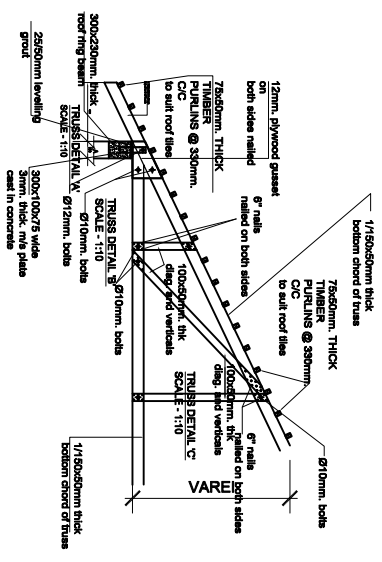
PROJECT:
PROPOSED REHABILITATION OF HEALTH CENTRES

CLIENT:
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AND LOCAL GOVERNMENT

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

DRAWING TITLE:
MATERNITY WARD RING BEAM
AND COLUMN 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.	STR.106
Sheet:	



NOTE:

1. All dimensions are in mm unless otherwise specified
2. All discrepancies shall be referred to the structural engineer
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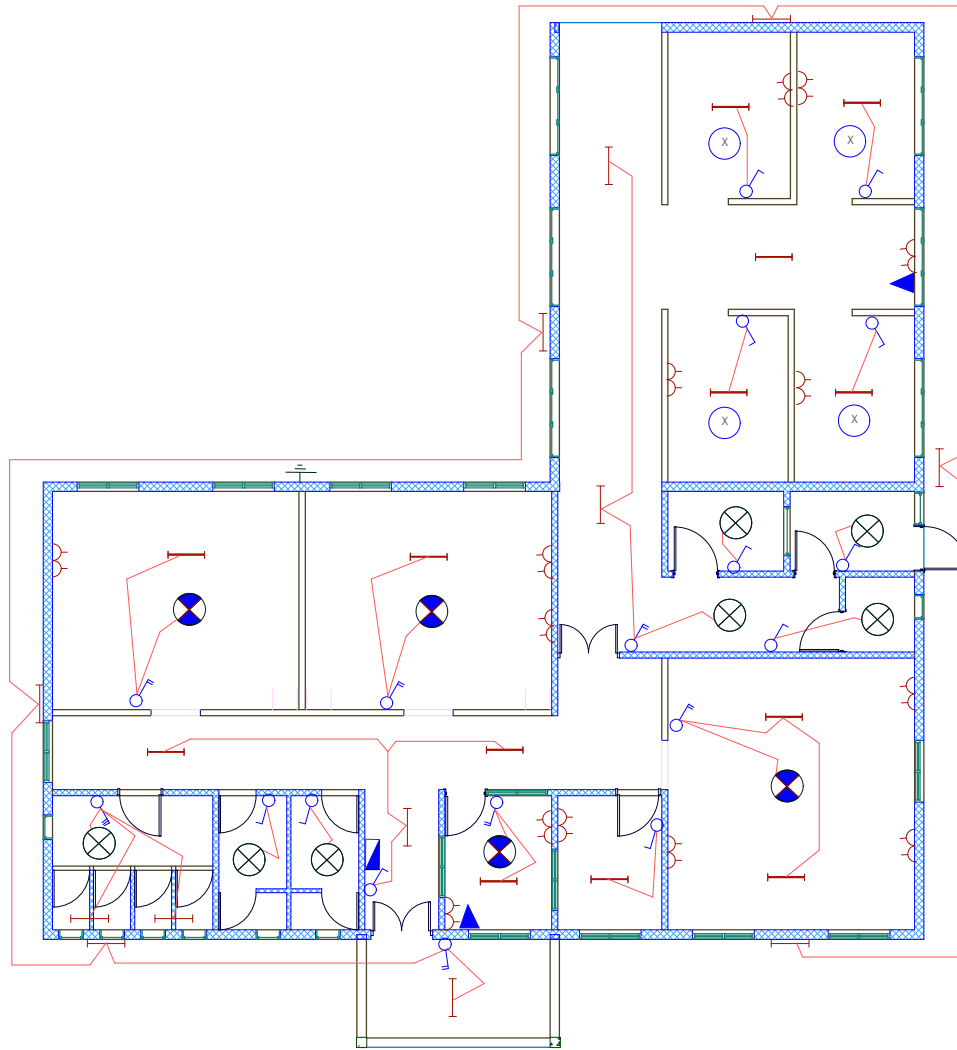
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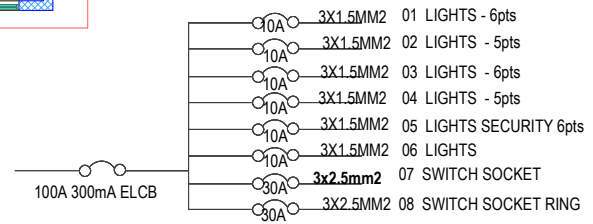
MINISTRY OF
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 ELDERLY AND CHILDREN

DRAWING TITLE:
**MATERNITY WARD 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.108
Sheet:	



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Approved	NO	Description	Date




























CLIENT:-
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 PROJECT:-
 PROPOSED HEALTH CENTER

ELECTRICAL PLAN
 MARTENITY BLOCK

Project No
 Date 31 Jan, 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		Telephone outlet direct line
	6A 1gang 1way switch		3PH Socket		Telephone outlet extension line
	6A 2gang 1way switch				TV outlet
	6A 3gang 1way switch				Ceiling mounted fan
	6A 3gang 1way switch				Fan regulator
	6A 1gang 2way switch				Earthing
	6A 2gang 2way switch				Miniature Circuit Breaker with rating
	6A 3gang 1way switch				Moulded Case Circuit Breaker with rating
	13A Switch socket outlet single				
	13A Switch socket outlet twin				
	Distribution board or Consumer unit as applicable				
	cooker control unit				

ELECTRICAL ABBREVIATIONS

SWA	Steel Wire Armoured
SPN	Single Phase & Neutral
TPN	Three Phase & Neutral
DB	Distribution Board

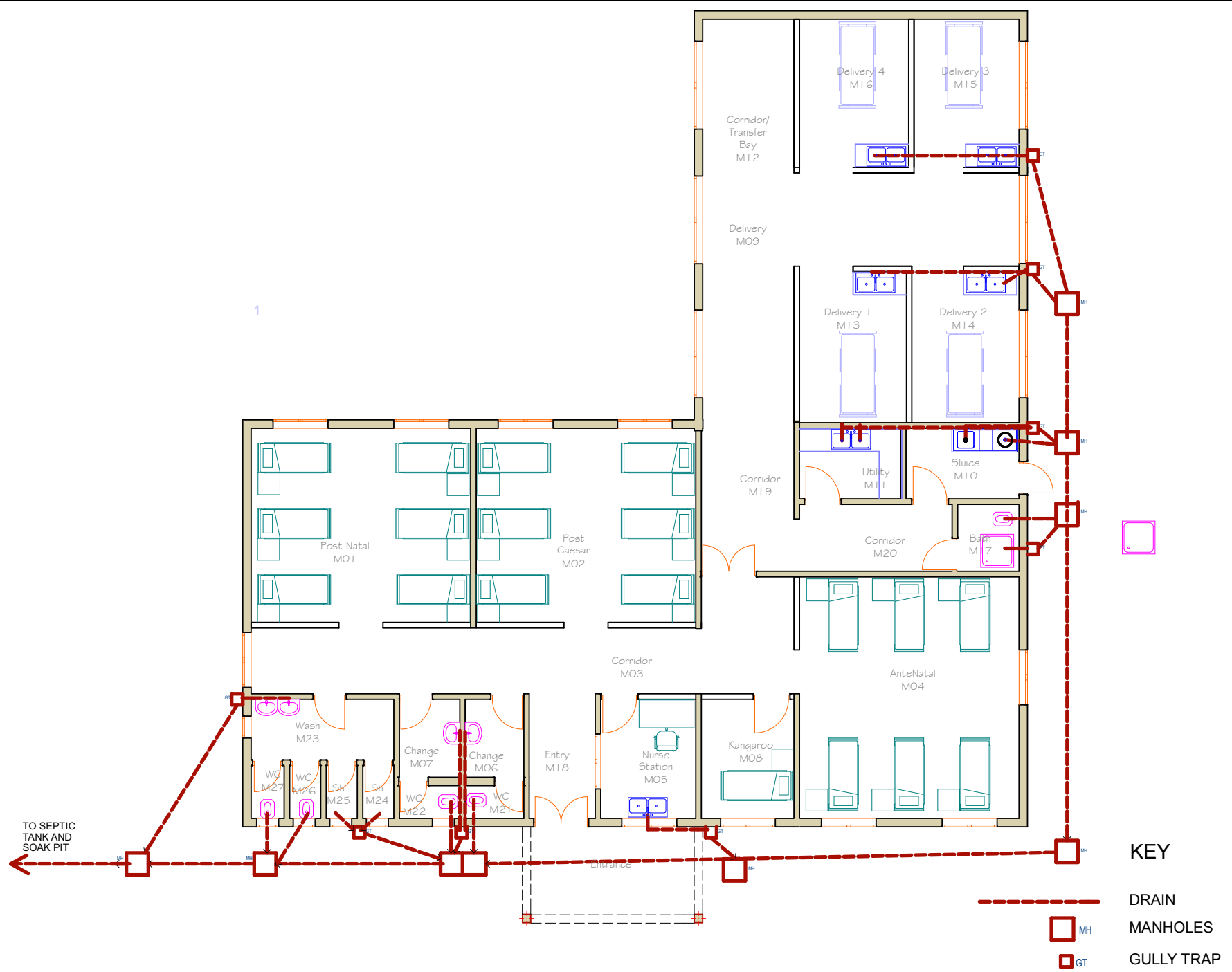
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 Gender, Elderly and Children
 6 Samora Machel Avenue
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 Fax +255222137591

Approved	NO	Description	Date

CLIENT:-
 PRESIDENTS OFFICE,
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PROJECT:-
 PROPOSED HEALTH CENTER

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



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 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
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 PROJECT
 PROPOSED HEALTH CENTRES

MATERNITY BLOCK Drain	
PROJECT NO.	
DATE	JUNE, 2014
DRAWN BY	HASHIM
CHECKED BY	SUDI



NO.	Description	Date

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PROJECT
PROPOSED HEALTH CENTRES

MATERNITY BLOCK
Water

PROJECT NO.
DATE JUNE, 2014
DRAWN BY HASHIM
CHECKED BY SUDI

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Ministry of Health, Community Development,
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University of Dodoma,
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