

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 THEATRE 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

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
	<u>MATERIALS</u>				
A	SUB-STRUCTURE -PROVISIONAL				
1	<u>Strip Foundation - Grade 15 Plain</u>				
	Aggregate (3/4")	25	M ³		
	Sand	13	M ³		
	Cement-50kgs	113	Bags		
2	<u>Foundation Walls</u>				
	6" Cement & Sand Block	2,016	No		
	Sand	7	M ³		
	Cement -50kgs	33	Bags		
3	<u>Moram, Hardcore & Site sterilization</u>				
	Moram (4.5m ³ lorry)	14	Trips		
	Hadcore (4.5m ³ lorry)	7	Trips		
	Sand	5	M ³		
	Aldrin solution or equal and approved	15	Litres		
4	<u>Oversite Concrete (100mm thick - 15 grade) & Ground Beam - 20 grade</u>				
	DPM	200	M ²		
	Cement -50kgs	161	Bags		
	Aggregates (1/2")	29	M ³		
	Sand	15	M ³		
	Reinforcement - 16mm diameter high tensile	13	PC'S		
	Reinforcement - 12mm diameter high tensile	52	PC'S		
	Reinforcement - 8mm diameter	68	PC'S		
	Timber 1" X 8" (5.2m long)	26	PC'S		
	Timber 2" X 2"	15	PC'S		
	Nails-4"	8	Kgs		
	Nails-3"	5	Kgs		
	Supporting props	10	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	3,930	No		
	DPC	14	Roll		
	Sand	22	M ³		
	Cement-50kgs	145	Bags		
	Aggregates (1/2")	9	M ³		
	Reinforcement - 16mm diameter high tensile	7	PC'S		
	Reinforcement - 12mm diameter high tensile	52	PC'S		
	Reinforcement - 8mm diameter	68	PC'S		
	Binding Wire - 1kg	15	Bundle		
	Timber 1" X 8" to Sides (5.2m long)	60	PC'S		
	Timber 1" X 5" (Plates)	9	PC'S		
	Timber 2" X 2"	30	PC'S		
	Supporting Props	85	PC'S		
	SUB-TOTAL SUPER STRUCTURE				
C.	ROOF STRUCTURE & COVERING				
1	<u>Roof Structure - Provisional</u>				
	Timber 2 " X 3" Purlins	1,595	FT		
	Timber 2" X 4" King Post	1,650	FT		
	Timber 2" X 6" Rafter and Tie beam	2,019	FT		
	Fascia board 1" X 10" (5.2m long)	15	PC'S		
	Nails -5"	45	Kgs		
	Nails -4"	55	Kgs		
	Nails -3"	25	Kgs		
	NOTE: The above softwood timber structure should be pressure impregnated treated				
2	<u>Roof Covering -as per ALAF or equal and approved</u>				
	28G IT resincoated sheet	431	M		
	Hips - 28 G	20	PC'S		
	Valley - 28 G	3	PC'S		
	Roofing Nails	21	Packet		
	TO COLLECTION			C/F	

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
	ROOF STRUCTURE & COVERING CONT...				
				B/F	
1	<u>Gutter's</u>				
	Upvc 150mm half round (6m long)-5"	11	PC'S		
	Upvc 100mm dia.down pipe; Class B	6	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	70	PC'S		
	Plain Cornice	100	PC'S		
	Gypsum Screw 1" 800pcs/box	8	Box		
	Screw 1.25" 800pcs/box	1	Box		
	Gypsum powder	11	Bags		
	Fibre tape	3	Pcs		
	Treated softwood Timber 2" X 2"	3,572	FT		
	Nails 4"	10	Kgs		
	Nails 3"	20	Kgs		
	PVC ceiling with its fittings	67	PC's		
	SUB-TOTAL FOR CEILING				
F.	<u>DOOR</u>				
1	<u>40mm thick solid core flush door shutter</u>				
	1500 x 2100 mm high	6	PC'S		
	1000 x 2100mm high	12	PC'S		
	800 x 2100mm high	6	PC'S		
2	<u>Frames (hardwood),Varnish, Glass & Burglar bar</u>				
	1500 x 2500 mm high	6	PC'S		
	1000 x 2500mm high	12	PC'S		
	800 x 2100mm high	6	PC'S		
	TO COLLECTION			C/F	

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
	DOOR CONT..				
				B/F	
	4mm thick clear glass to Vents	15	SQ.M		
	16 mm burglar bars	7	PC'S		
	Brush 3"	3	Pcs		
	Sand paper (msasa) No.80	10	LM		
	Clear Varnish - 4Litres	2	TIN		
	Thinner for Varnish -4Litres	1	Litres		
1	<u>Iron Mongeries</u>				
	Mortice lock Three lever - ref: union	24	No		
	Brass hinges - 100mm	27	Pairs		
	Barrel bolt - 150mm	48	No		
	Wood Screw	2	Box		
	Kick- plate; 750 x 200mm	24	No		
	Kick- plate; 1000 x 200mm	22	No		
	Hinges double swing -200mm	18	Pairs		
	Pushing plate	24	No		
	SUB-TOTAL FOR DOORS				
G.	WINDOWS				
1	<u>Supply and fix Aluminium Windows 2mm thick frem with fibre glass, Mosquitor gauze and its ironmongeries</u>				
	1500 X 1500mm high	6	PC'S		
	900 X 900mm high	7	PC'S		
	1200 X 1500mm high	1	PC'S		
	900 X 1500mm high	3	PC'S		
2	<u>Supply and fix Aluminium Windows 2mm thick frem with fosted glass ,and its ironmongeries</u>				
	1500 X 1500mm high	6	PC'S		
	900 X 1500mm high	1	PC'S		
3	<u>Supply and fix 4mm thick flat bar grill painted red-oxide</u>				
	1500 x 1500mm high	4	PC'S		
	900 x 1500 mm high	1	PC'S		
	1200 X 1500mm high	1	PC'S		
	SUB-TOTAL FOR WINDOWS				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
H.	FINISHING				
1	<u>Floor finishing</u>				
	Sand	9	M ³		
	Cement-50kgs	57	Bags		
	600 x 600 Non slippery Porcelain floor tiles (1.46 Sqm/Box)	110	Box		
	Skirting (600 mm long; 25No/Box)	10	Box		
	Epoxy - Grout (1kg/packet)	5	Packet		
	Spacer	3	Packet		
	Supply and fix Non slippery EPOXY floor finish sheet with its fittings and skirting as per theater requirements	52	SQ.M		
2	<u>Wall Finishing</u>				
	Sand	13	M ³		
	Cement-50kgs	113	Bags		
	White cement - 50kg	8	Bags		
	Gypsum powder	11	Bags		
	Sand paper Msasa No.120	1	Roll		
	200 X 300 Wall tiles to toilets full height (0.96 Sqm/Box)	113	Box		
	Grout	3	Packet		
	Spacer	1	Packet		
	SUB-TOTAL FOR FINISHING				
I.	PAINTING & DECORATION				
	Emulsion Paint - 20 LTRS	17	buckets		
	Weather guard Paint - 20 LTRS	4	buckets		
	Washable paint -20 LTRS (Light blue green)	5	buckets		
	Primer paint -20 LTRS	2	buckets		
	Solvent - 5LTRS	1	TIN		
	Brush 3"	3	Pcs		
	Roller	5	Pcs		
	Gloss paint-4LTR	2	TIN		
	Bitumen paint - 4Litres	2	TIN		
	SUB-TOTAL FOR PAINTING&DECORATION				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
J.	ELECTRICAL INSTALLATION				
1	Single flourescent fitting, approved philips or equal	8	No		
2	Double flourescent fitting, approved philips or equal	16	No		
3	Double switch sorcket	15	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	2	Roller		
9	Single core wire 2.5sqmm -Black	2	Roller		
10	Single core wire 2.5sqmm Green	2	Roller		
11	Ceilling fan, approved National or equal	3	PC'S		
12	16mmsq 4 core cable	20	M		
13	1gang one way switch	2	No		
14	2gang two way switch	8	No		
15	20A DP switch	3	No		
16	Lan socket	2	No		
17	Gypsum light complete with energy saver 18w	7	No		
18	Earth rod approved copper not less than 1200	1	No		
19	Earth wire 4sqmm	30	M		
20	Plastic clips	3	BOX		
21	Conduit pipe	100	PC		
22	Square box metal	13	PC		
23	Double box metal	15	PC		
24	Round cover	80	PC		
25	Junction box	70	PC		
26	Elbow	50	PC		
27	Conduit coupling	50	PC		
28	Fine screw	5	Packet		
	SUB-TOTAL FOR ELECTRICAL INSTALLATION				
K.	AIR - CONDITION				
	Supply and fix LG or equal and approved A.C with all necessary accessories -BTU 18000	3	No		
	SUB-TOTAL FOR AIR-CONDITION				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
L.	PLUMBING & SANITARY INSTALLATION- PROVISIONAL				
1	Nipple -1/2" bronze	30	PC'S		
2	Shower head 1/2" bronze	2	PC'S		
3	IPS pipe 1/2	2	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"	2	PC'S		
8	PVC 1 1/2" pipe	3	PC'S		
9	Elbow 1 1/2" pvc	8	PC'S		
10	Tee 1 1/2" pvc	4	PC'S		
11	Plug 1 1/2" pvc	4	PC'S		
12	Flexible pipe 1/2"	6	PC'S		
13	Elbow 1/2" IPS	10	PC'S		
14	Nipple -1/2" IPS	10	PC'S		
15	Seal tape	20	PC'S		
16	WC squatting Complete with P trap -Asian	2	PC'S		
17	PVC Elbow 4"	8	PC'S		
18	PVC pipe 4" -CLASS B	4	PC'S		
19	PVC vent	2	PC'S		
20	IPS pipe 1/2"	4	PC'S		
21	Elbow 1/2" IPS	85	PC'S		
22	Tee 1 1/2" IPS	8	PC'S		
	TO COLLECTION			C/F	

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
L.	PLUMBING & SANITARY INSTALLATION-CONT..				
				B/F	
1	Gully trap	2	PC'S		
2	Socket -chromium -1/2"	8	PC'S		
3	Nipple -IPS	4	PC'S		
4	Tread tap	10	PC'S		
5	Shower rose	2	PC'S		
6	Toilet aper holder	2	PC'S		
7	Sluice sink complete with pilar tape and all necessary accessories as per approved	1	PC'S		
8	Scrub sink complete with pilar tape and all necessary accessories as per approved	1	PC'S		
9	PVC clamp -4"	10	PC'S		
10	Hands wash basin complete with 6" Levers operating for elbow control and its accessories	2	PC'S		
11	Mirror	2	PC'S		
	SUB-TOTAL FOR PLUMBING AND SANITARY INSTALLATION				

<u>GENERAL SUMMARY</u>		AMOUNT
		TZS
	THEATRE BUILDING	
A.	SUB-STRUCTURE -PROVISIONAL	
B.	SUPERSTRUCTURE	
C.	ROOF STRUCTURE & COVERING	
D.	CEILING	
E.	DOOR	
F.	WINDOWS	
G.	FINISHING	
H.	PAINTING & DECORATION	
J.	ELECTRICAL INSTALLATION	
K.	AIR - CONDITION	
L.	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	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 (2016 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 (3,930 PC'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	

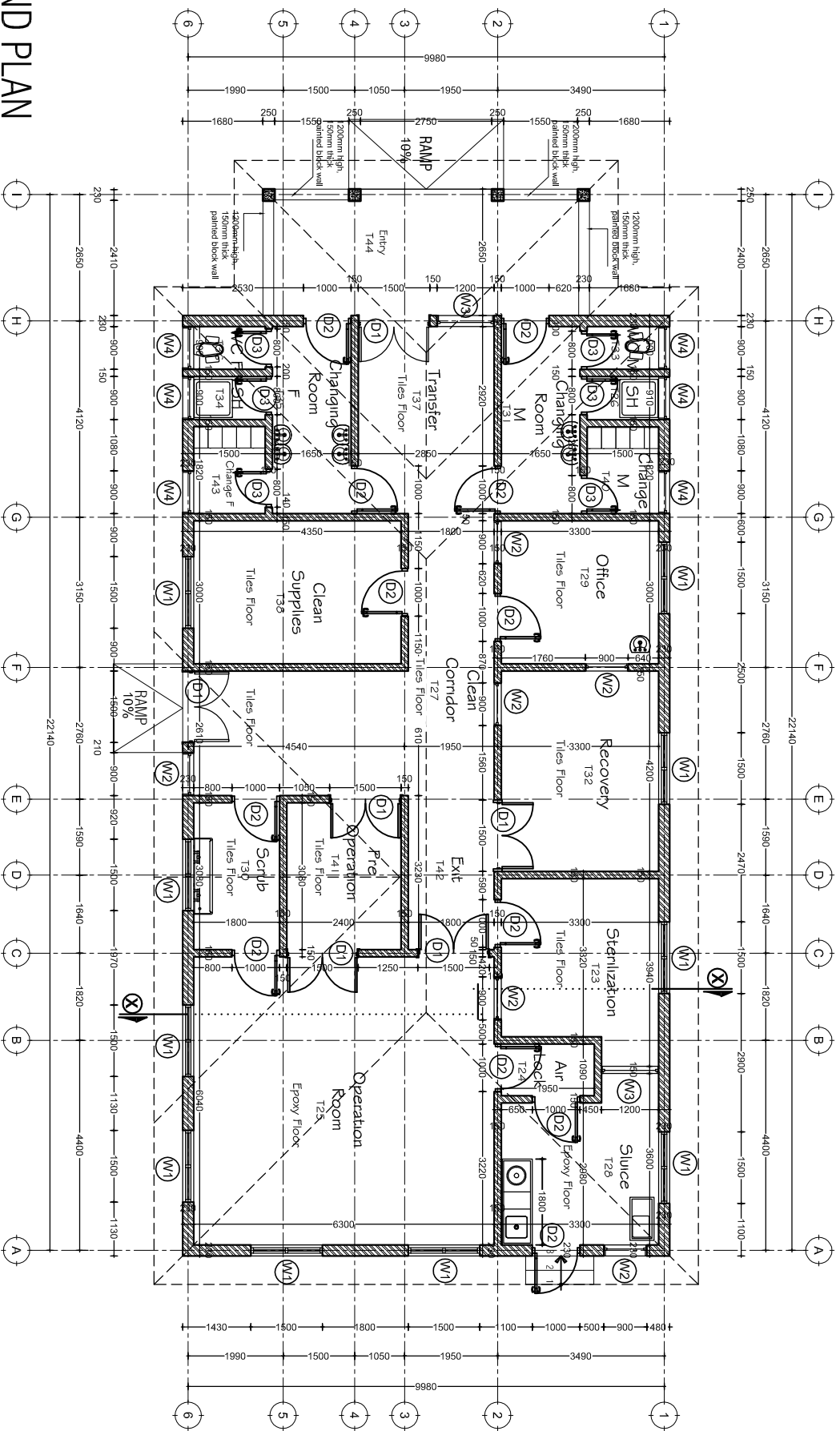
Na.	AINA YA KAZI	BEI YA UFUNDI - Shs
H.	<u>Mifumo ya maji safi na taka (Water Supply and Sewage system)</u>	
1	Ufungaji bomba awamu ya kwanza (Kuchimbia bomba)	
2	Ufungaji bomba awamu ya pili (2nd fix) -fittings	
3	Ufungaji wa Mifumo ya maji ya mvua kwenda kwenye tanki	
	Jumla ndogo Mifumo ya maji safi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

MAJUMUIISHO (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



GROUND PLAN
SCALE: 1:100
TOTAL AREA = 2199sqm

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**

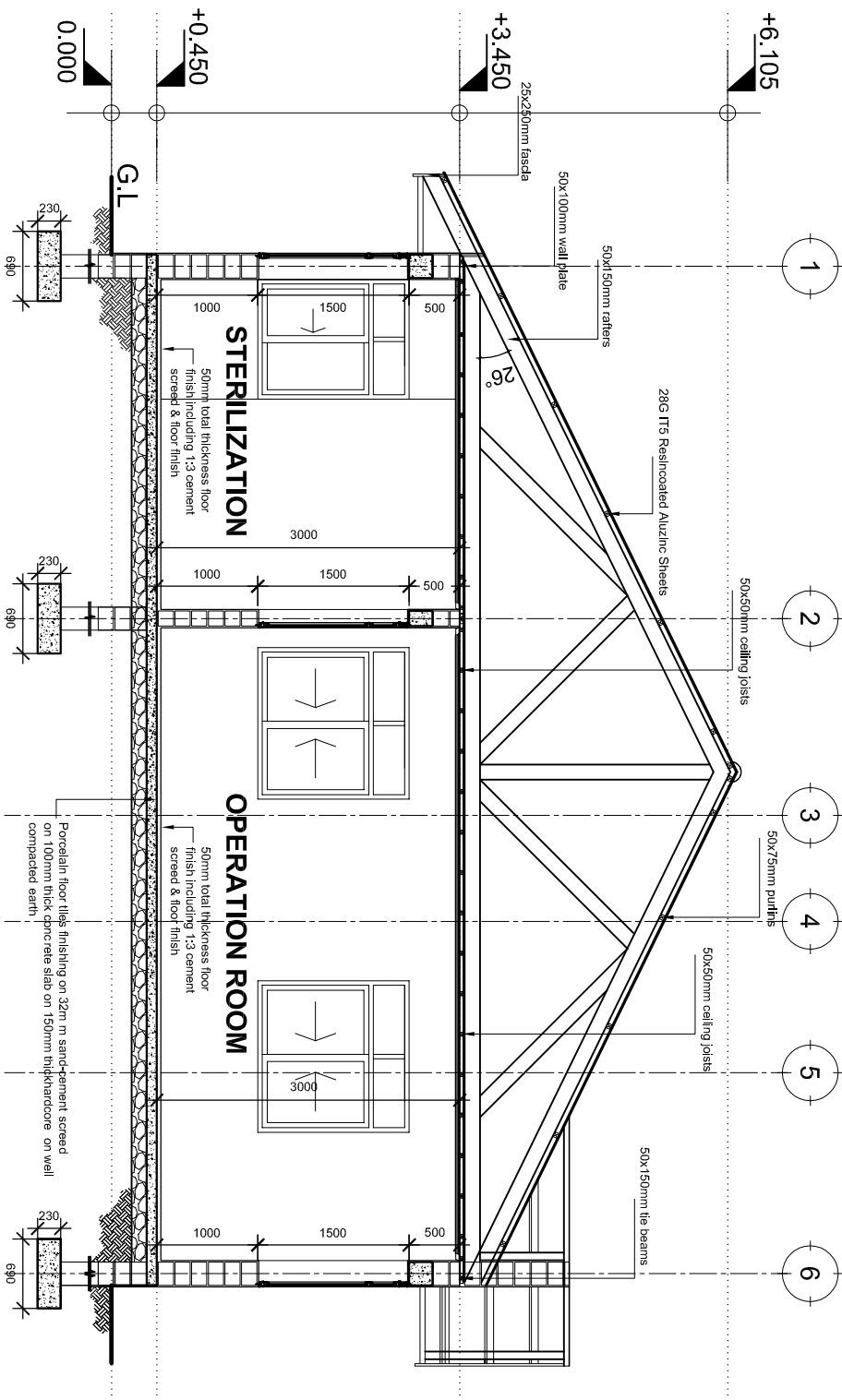
Project:
PROPOSED HEALTH CENTER

THEATRE BLOCK
Ground Floor Plan

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

A | 0 | 1

DOOR & WINDOW SCHEDULE			
NO.	WIDTH	HEIGHT	TOTAL
D1	1500mm	2500mm	6
D2	1000mm	2500mm	12
D3	800mm	2100mm	6
W1	1500mm	1500mm	10
W2	900mm	1500mm	6
W3	1200mm	1500mm	2
W4	900mm	600mm	6



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

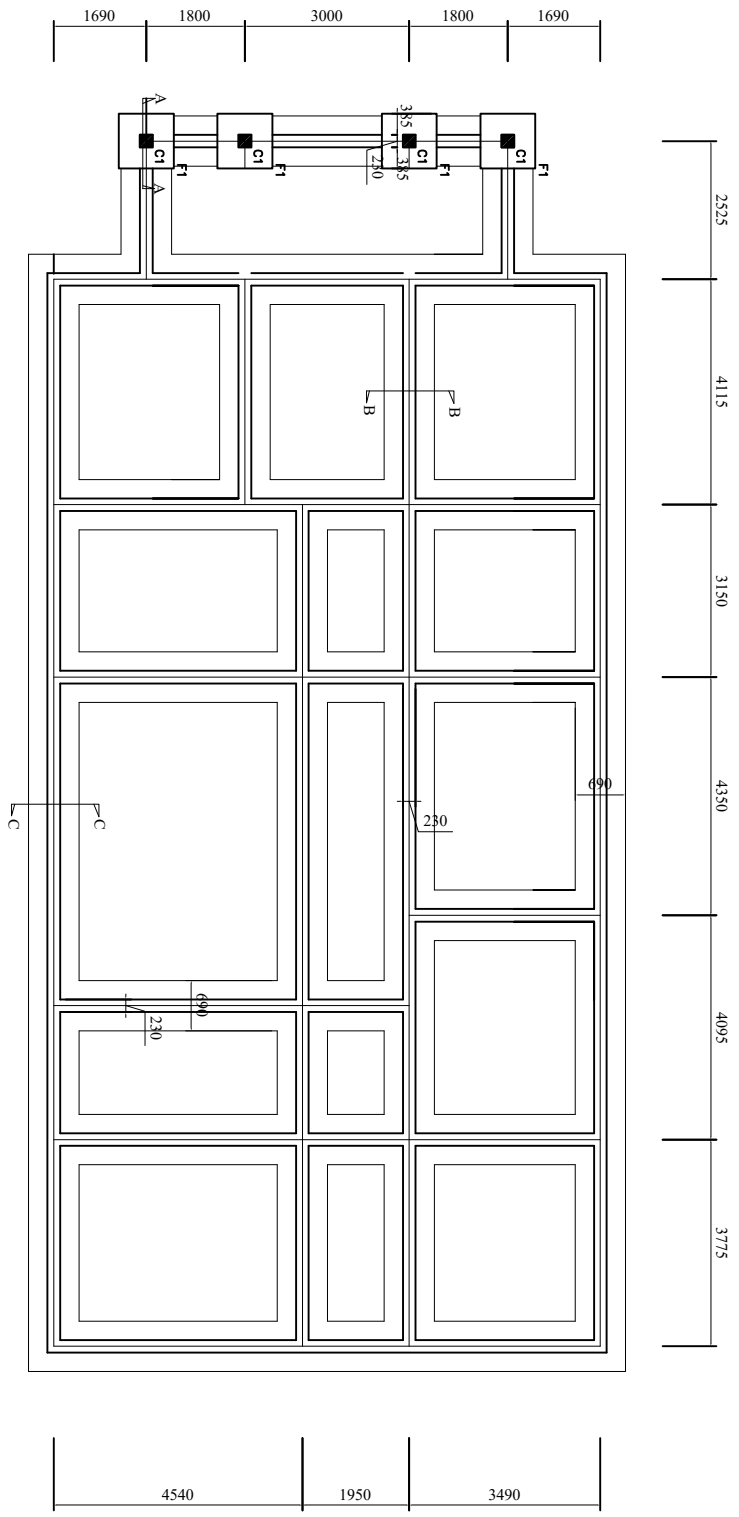
Client
**PRESIDENT OFFICE, REGIONAL ADMINISTRATION
AND LOCAL GOVERNMENT**
Project
PROPOSED HEALTH CENTER

THEATRE BLOCK
Section X:X

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

A 103

Scale 1:50



FOUNDATION 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 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

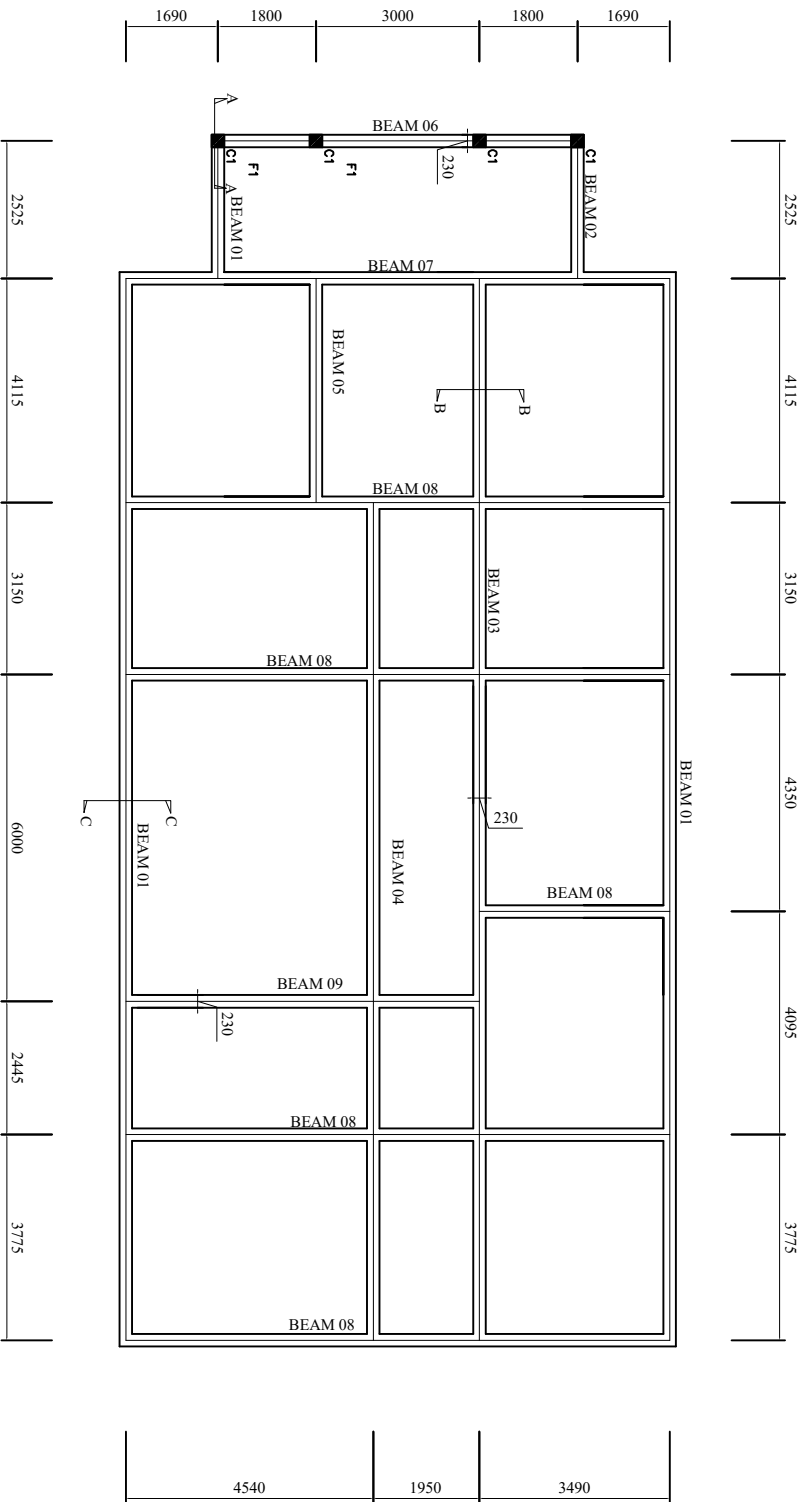
CLIENT:
 PRESIDENTS OFFICE
 REGIONAL ADMINISTRATION
 AND LOCAL GOVERNMENT
 (PORALG)

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

DRAWING TITLE:
THEATRE FOUNDATION LAYOUT

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

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: PRESIDENTS OFFICE
 REGIONAL ADMINISTRATION
 AND LOCAL GOVERNMENT
 (PORALG)

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

DRAWING TITLE:
THEATRE PLINTH BEAM LAYOUT

Designed by: Eng. R.A.M

Drawn by: Eng. R.A.M

Checked by: Eng. A. MKHOTYA

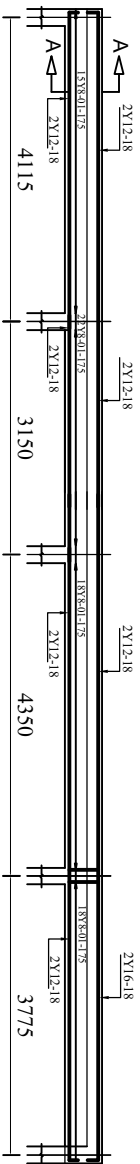
Approved by:

Date: **2018**

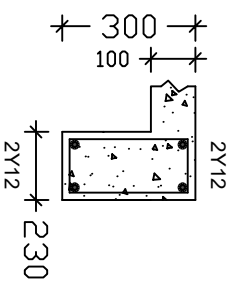
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Drawing No. **STR.103**

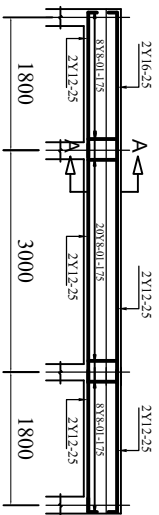
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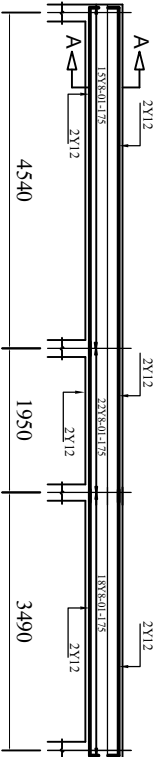
BEAM 01 - 230x300mm FOR EXTERNAL WALLS



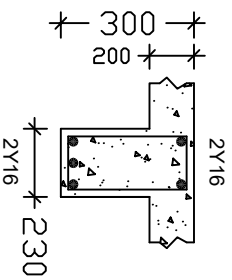
SECTION B-B



BEAM 06 - 230x300mm FOR TYPICAL EXTERNAL WALLS



BEAM 08 - 230x300mm FOR TYPICAL INTERNAL WALLS



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:
PRESIDENTS OFFICE
REGIONAL ADMINISTRATION
AND LOCAL GOVERNMENT
(PORALG)

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

DRAWING TITLE:
THEATRE PLINTH BEAM AND COLUMN AND DETAILS

Designed by: Eng. R.A.M

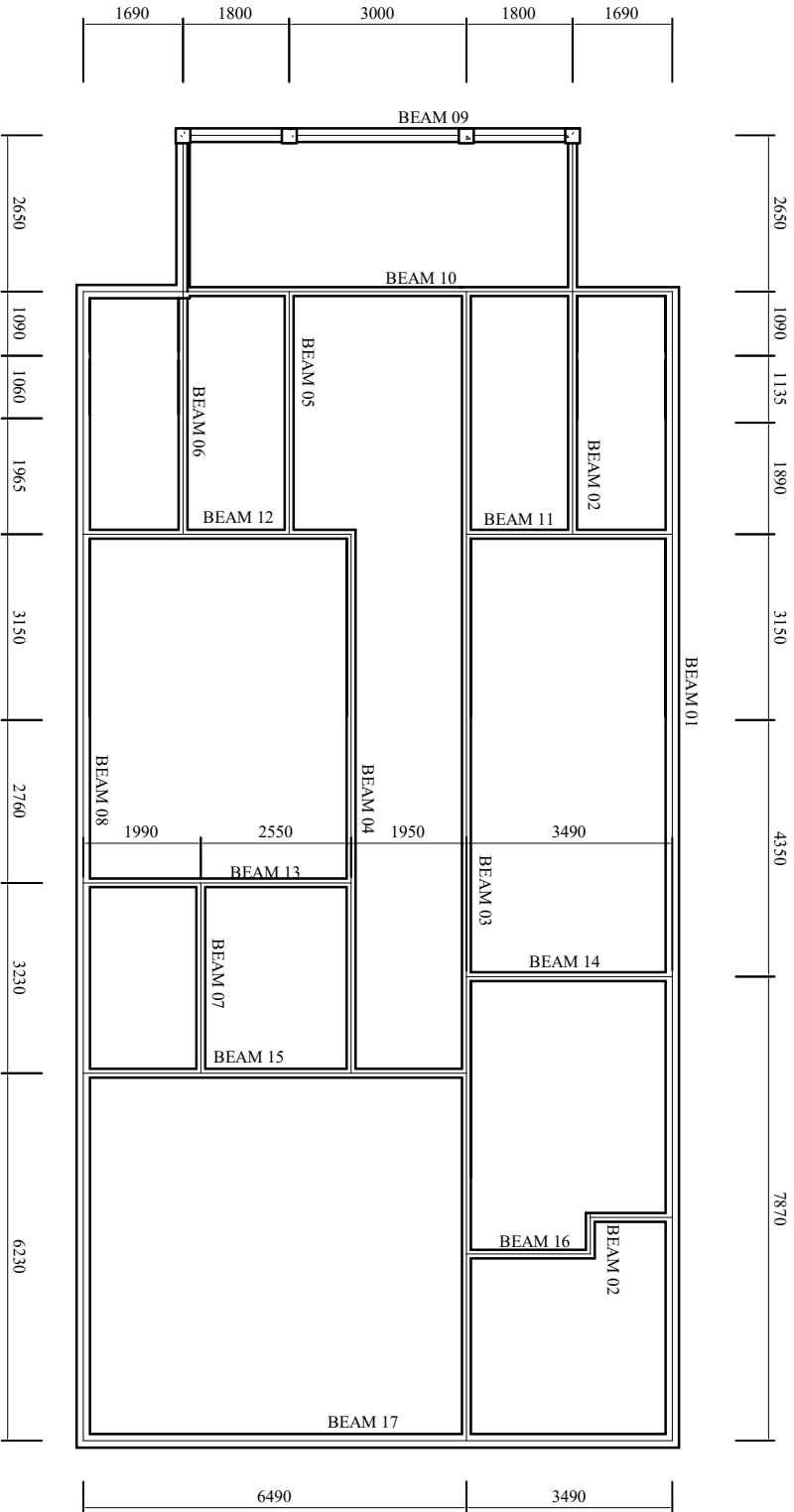
Drawn by: Eng. R.A.M

Checked by: Eng. A.MKHOTYA

Approved by:

Date: 2018 Scale:

Drawing No. STR. 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
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

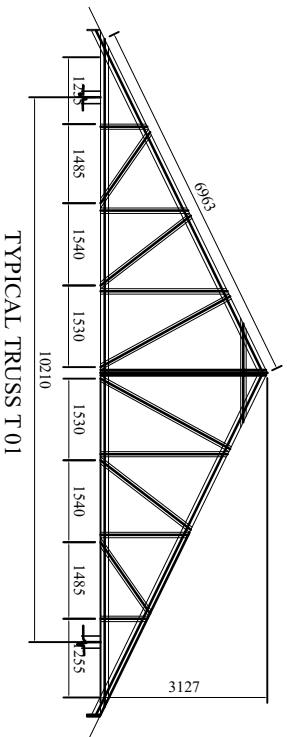
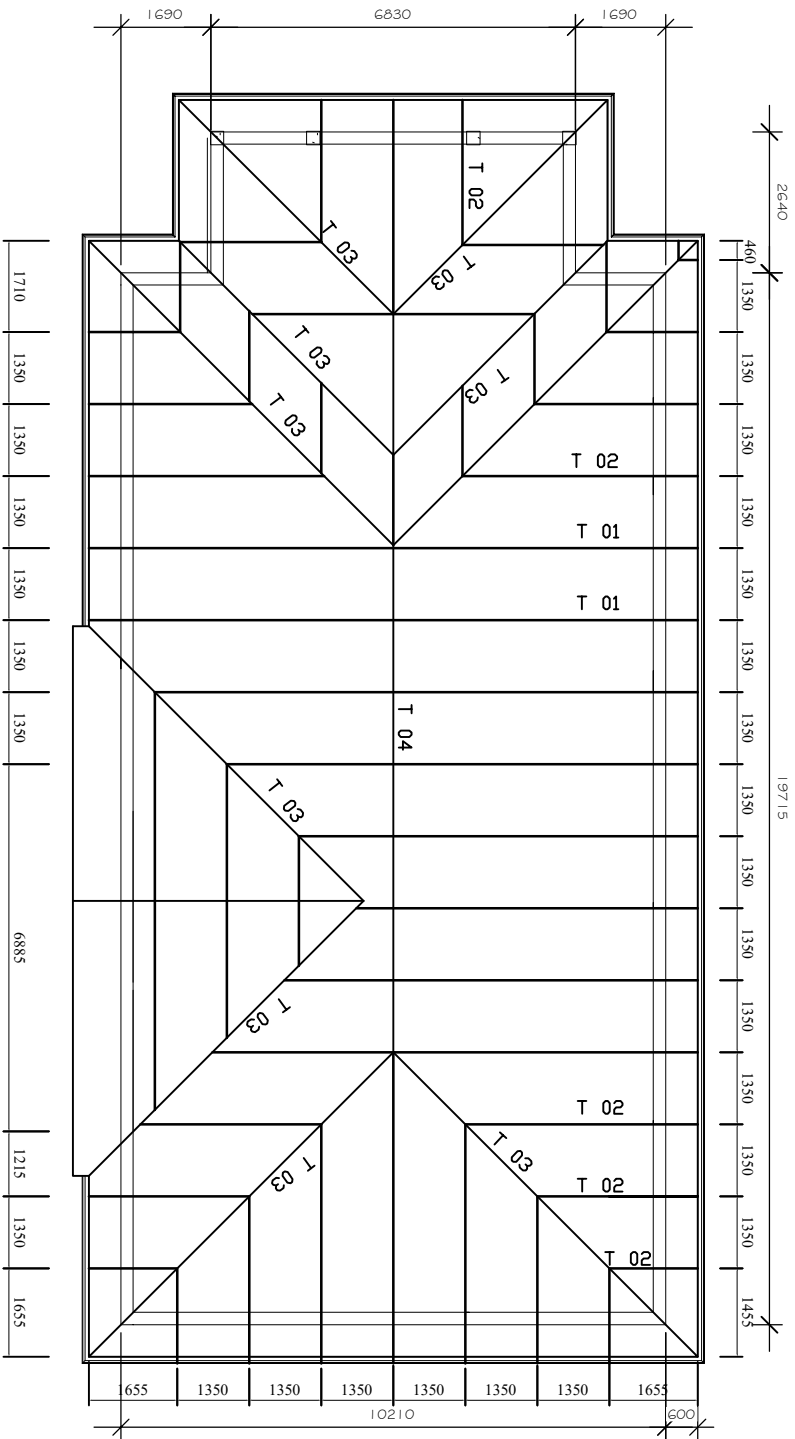
CLIENT: PRESIDENTS OFFICE
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AND LOCAL GOVERNMENT
(PORALG)

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

DRAWING TITLE:

THEATRE RINGBEAM 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. 105
Sheet:	



TYPICAL TRUSS T 01

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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PROJECT:

PROPOSED REHABILITATION OF HEALTH CENTRES

CLIENT:

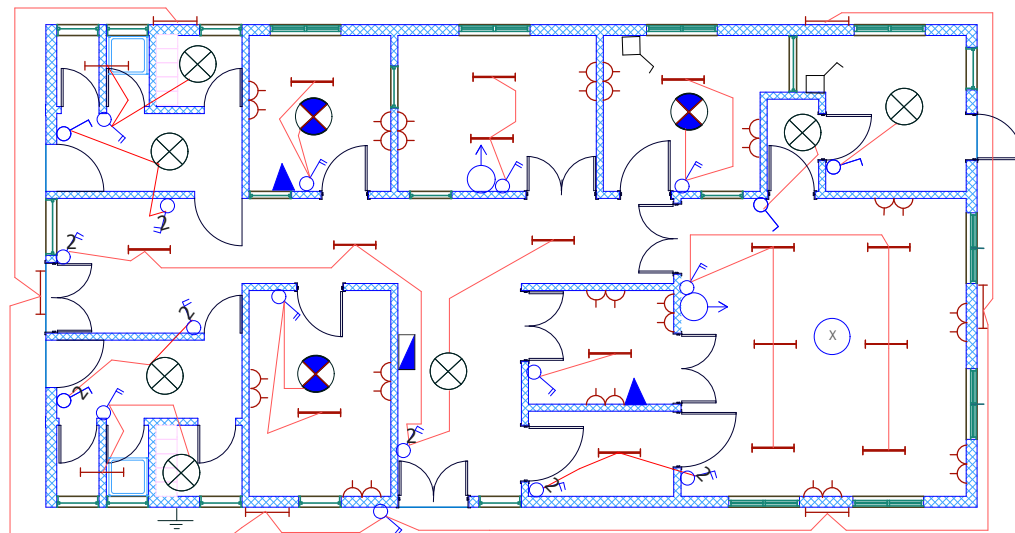
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(PORALIG)

MINISTRY OF
HEALTH, COMMUNITY
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ELDERLY AND CHILDREN

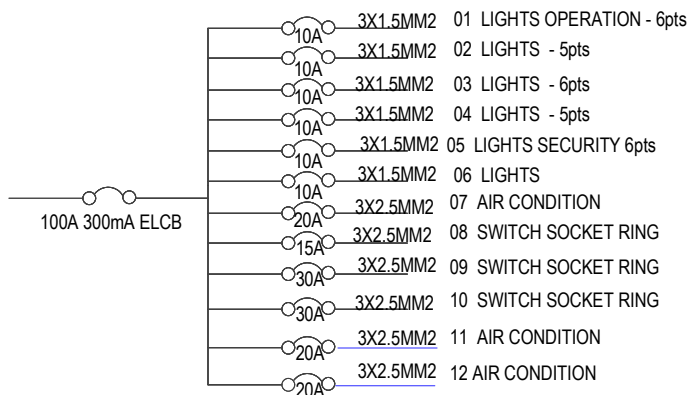
DRAWING TITLE:

THEATRE TRUSS LAYOUT AND SECTION

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. 107
Sheet:	



12 WAY TPN DISTRIBUTION BOARD TH






























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 Tel +25522234000/5
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Approved	NO	Description	Date

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

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

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

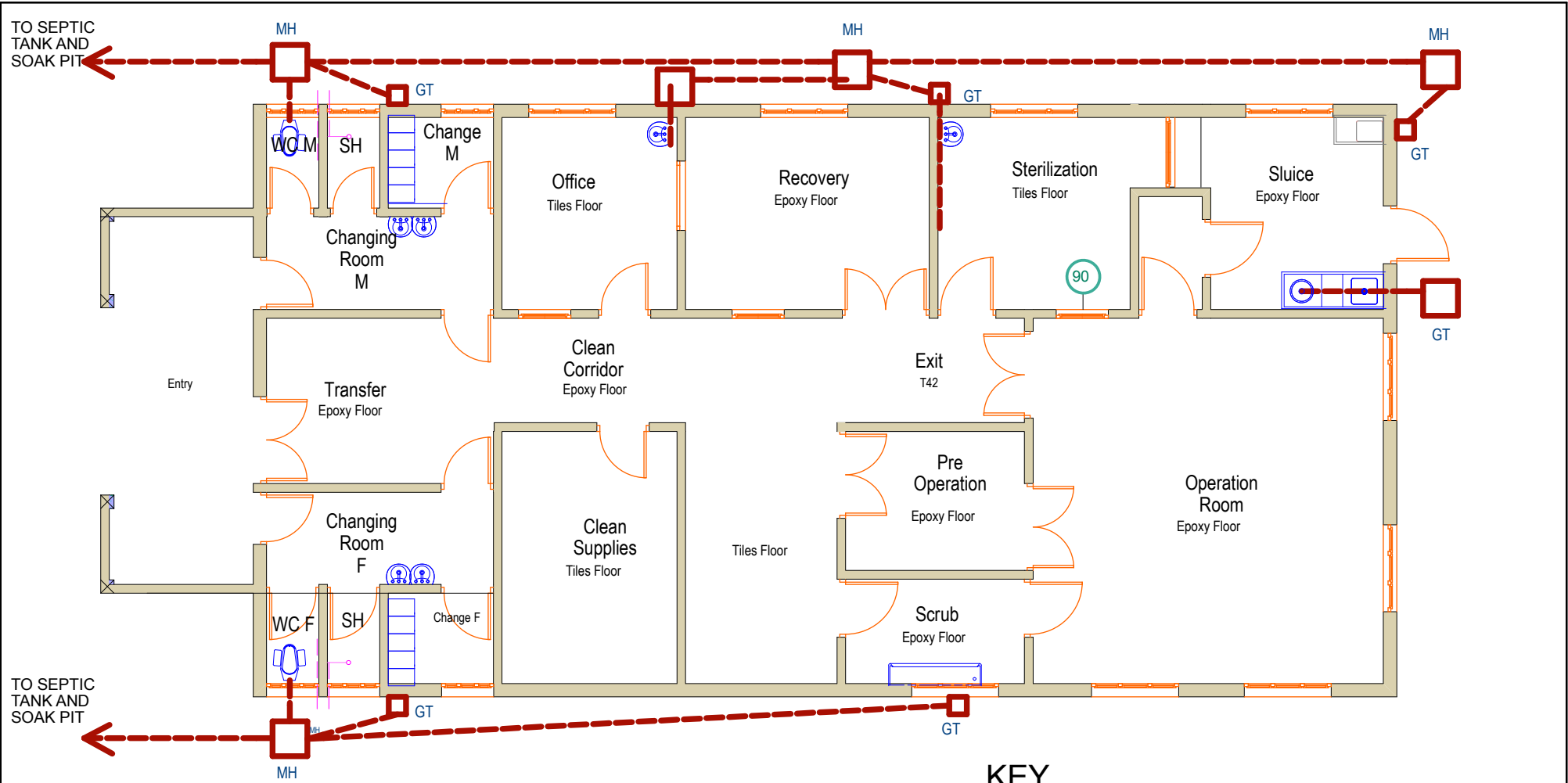
Building Section
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 Fax +255222137591

Approved	NO	Description	Date




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

PROJECT:-
 PROPOSED HEALTH CENTER

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



KEY

-  DRAIN
-  MANHOLES
-  GULLY TRAP

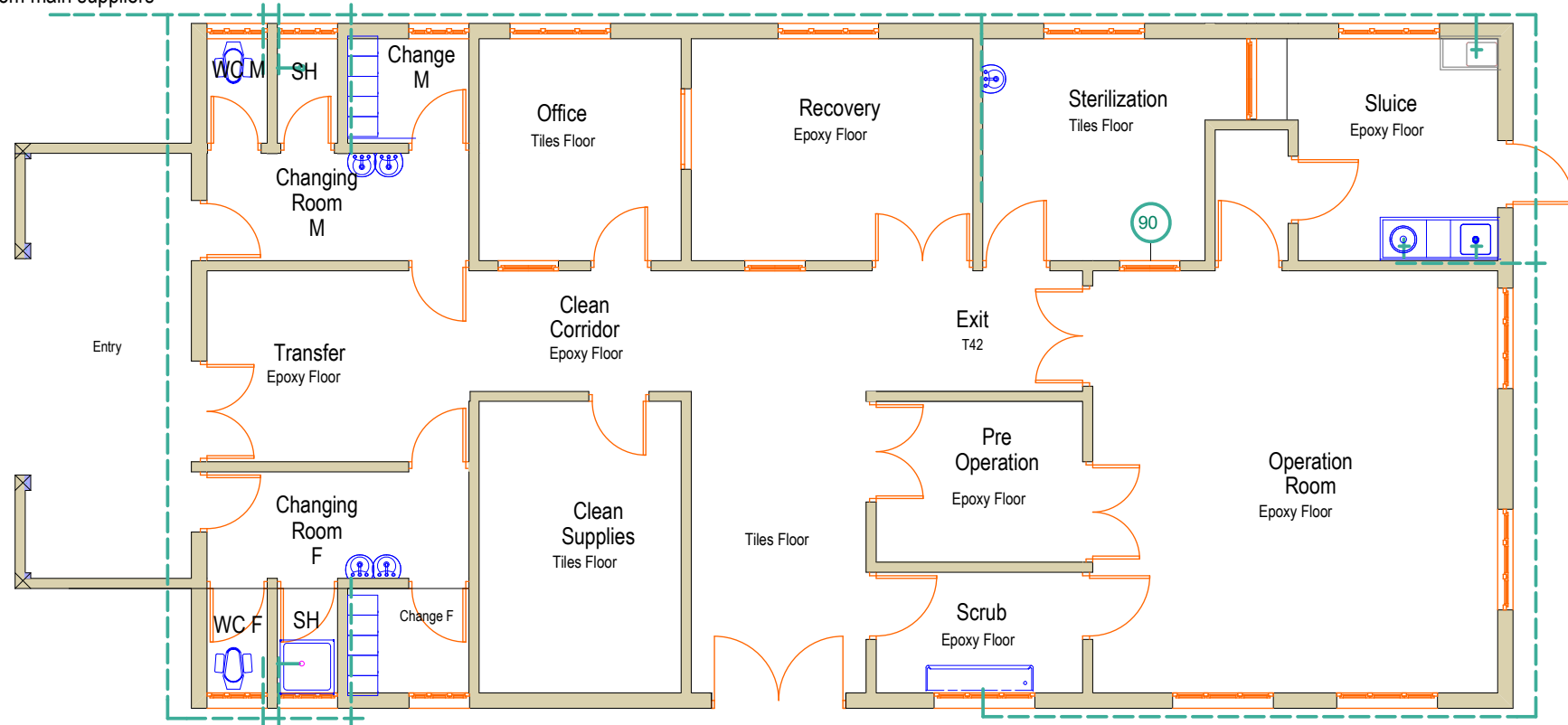
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 College of Humanities and Social Sciences 11th
 Building,
 P.O.Box 743,
 Dodoma

NO.	Description	Date

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 PROJECT
 PROPOSED HEALTH CENTRES

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

From main suppliers



KEY

----- WATER

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NO.	Description	Date

CLIENT
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 REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT,
 PROJECT
 PROPOSED HEALTH CENTRES

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