

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 MORTUARY 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

MORTUARY - (GROSS FLOOR AREA = 98 SQ.M)

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")	12	M ³		
	Sand	6	M ³		
	Cement-50kgs	54	Bags		
2	<u>Foundation Walls</u>				
	6" Cement & Sand Block	896	No		
	Sand	3	M ³		
	Cement -50kgs	15	Bags		
3	<u>Moram, Hardcore & Site sterilization</u>				
	Moram (Lorry 4.5M ³)	7	Trips		
	Hadcore (Lorry 4.5M ³)	4	Trips		
	Sand	5	M ³		
	Aldrin solution or equal and other approved	5	Litres		
4	<u>Oversite Concrete (100mm thick - 15 grade) & Ground Beam - 20 grade</u>				
	DPM	89	M ²		
	Cement -50kgs	77	Bags		
	Aggregates (1/2")	13	M ³		
	Sand	7	M ³		
	Reinforcement - 12mm diameter high tensile	19	PC'S		
	Reinforcement - 8mm diameter	6	PC'S		
	Timber 1" X 8" (5.2m long)	7	PC'S		
	Timber 2" X 2"	5	PC'S		
	Nails-4"	10	Kgs		
	Nails-3"	10	Kgs		
	Supporting props	10	PC'S		
	SUB-TOTAL SUB STRUCTURE				

SCHEDULE OF MATERIALS

MORTUARY - (GROSS FLOOR AREA = 98 SQ.M)

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
B.	SUPER STRUCTURE				
1	<u>Walls & Ring beam</u>				
	6" Cement & Sand Block	1,992	No		
	DPC	6	Roll		
	Sand	10	M ³		
	Cement-50kgs	73	Bags		
	Aggregates (1/2")	12	M ³		
	Reinforcement - 12mm diameter high tensile	19	PC'S		
	Reinforcement - 8mm diameter	6	PC'S		
	Binding Wire - 1kg	10	Bundle		
	Timber 1" X 8" to Sides (5.2m long)	13	PC'S		
	Timber 1" X 5" (Plates)	5	PC'S		
	Timber 2" X 2"	13	PC'S		
	Supporting Props	22	PC'S		
	SUB-TOTAL SUPER STRUCTURE				
C.	ROOF STRUCTURE & COVERING				
1	<u>Roof Structure</u>				
	Timber 2 " X 3" purlins	477	FT		
	Timber 2" X 4" kingpost	329	FT		
	Timber 2" X 6" rafters and tie beam	415	FT		
	Hard wood Timber 1" X 10" (Fisherboard); 5.2m long	8	PC'S		
	Nails -5"	15	Kgs		
	Nails -4"	12	Kgs		
	Nails -3"	10	Kgs		
	NOTE: The above softwood timber structure should be pressure impregnated treated				
2	<u>Roof Covering</u>				
	28G IT esincoated sheet	173	M		
	Hips - 28 G	11	PC'S		
	Roofing Nails	10	Box		
	SUB-TOTAL ROOF STRUCTURE & COVERING			C/F	

SCHEDULE OF MATERIALS

MORTUARY - (GROSS FLOOR AREA = 98 SQ.M)

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
D.	CEILING				
	Gypsum board -12mm thick	30	PC'S		
	Plain Cornice	48	PC'S		
	Gypsum Screw 1" 800pcs/box	2	Box		
	Screw 1.25" 800pcs/box	1	Box		
	Gypsum powder	3	Bags		
	Fibre tape	2	Pcs		
	Treated softwood timber 2" X 2"	1,359	FT		
	Nails 4"	4	Kgs		
	Nails 3"	5	Kgs		
	PVC ceiling with its fittings	37	PC's		
	SUB-TOTAL FOR CEILING				
E.	DOOR				
1	<u>40mm thick solid core flush door shutter</u>				
	1500 x 2100 mm high	3	PC'S		
	900 x 2100mm high	4	PC'S		
	800 x 2100mm high	2	PC'S		
	2400 x 2500 mm high	1	PC'S		
2	<u>Frames (hardwood),Varnish, Glass & Burglar</u>				
	1500 x 2500 mm high	3	PC'S		
	900 x 2500mm high	4	PC'S		
	800 x 2100mm high	2	PC'S		
	2400 x 2500 mm high	1	PC'S		
	4mm thick clear glass to Vents	3	SQ.M		
	16 mm burglar bars	1	PC'S		
	Brush 3"	2	Pcs		
	Sand pepar (msasa) No.80	5	LM		
	Clear Varnish - 4Litres	1	TIN		
	TINA for Varnish -4Litres	1	Litres		
3	<u>IronMongeries</u>				
	Mortice lock Three lever - ref: union	10	No		
	Brass hinges - 100mm	9	Pairs		
	Barrel bolt - 150mm	20	No		
	TO COLLECTION			B/F	

SCHEDULE OF MATERIALS

MORTUARY - (GROSS FLOOR AREA = 98 SQ.M)

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
				C/F	
	Wood Screw	1	Box		
	Kick- plate; 800 x 200mm	16	No		
	Hinges double swing -150mm	12	Pairs		
	Pushing plate	8	No		
	SUB-TOTAL FOR DOORS				
F.	WINDOWS				
1	<u>Supply and fix Aluminium Windows 2mm thick frem with fibre glass, Mosquitor gauze and its ironmongeries</u>				
	1800 X 1500mm high	7	PC'S		
	900 X 600mm high	4	PC'S		
	1200 X 1500mm high	3	PC'S		
	2400 X 600mm high	1	PC'S		
2	<u>Supply and fix 4mm thick flat bar grill painted red-oxide</u>				
	1800 X 1500mm high	7	PC'S		
	1200 X 1500mm high	3	PC'S		
	2400 X 600mm high	1	PC'S		
	SUB-TOTAL FOR WINDOWS				

SCHEDULE OF MATERIALS

MORTUARY - (GROSS FLOOR AREA = 98 SQ.M)

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
G.	FINISHING				
1	<u>Floor finishing</u>				
	Sand	4	M ³		
	Cement-50kgs	24	Bags		
	600 X 600 - Floor tiles (1.46 Sqm/Box)	58	Box		
	Skirting (600mm long ; 25No/Box)	5	Box		
	Epoxy - Grout (1kg/packet)	2	Packet		
	Spacer	2	Packet		
2	<u>Wall Finishing</u>				
	Sand	9	M ³		
	Cement-50kgs	48	Bags		
	White cement - 50kg	2	Bags		
	Gypsum powder	4	Bags		
	Sand pepar (msasa) No.120	0.5	Roll		
	200 X 300 Wall tiles to toilets full height (0.96 Sqm/Box)	47	Box		
	Grout	2	Packet		
	Spacer	1	Packet		
	SUB-TOTAL FOR FINISHING				
H.	PAINTING & DECORATION				
	Emulsion Paint - 20 LTRS	5	buckets		
	Weather guard Paint - 20 LTRS	2	buckets		
	Washable paint -20 LTRS	2	buckets		
	Primer paint -20 LTRS	1	buckets		
	Solvent	2	LTRS		
	Brush 3"	2	Pcs		
	Roller	2	Pcs		
	Gloss paint-4LTR	1	TIN		
	Bitumen paint - 4Litres	1	TIN		
	SUB-TOTAL FOR PAINTING&DECORATION				

SCHEDULE OF MATERIALS

MORTUARY - (GROSS FLOOR AREA = 98 SQ.M)

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
J.	ELECTRICAL INSTALLATION				
1	Single flourescent fiiting, approved philips or equal	4	No		
2	Double flourescent fiiting, approved philips or equal	11	No		
3	Double switch sorcket	14	No		
4	Main switch 12way,3PH with intergral RCD as MEM or equal	1	No		
5	Single core wire 1.5sqmm -Red	2	Roller		
6	Single core wire 1.5sqmm -Black	2	Roller		
7	Single core wire 1.5sqmm -green	2	Roller		
8	Single core wire 2.5sqmm -Red	1	Roller		
9	Single core wire 2.5sqmm -Black	1	Roller		
10	Single core wire 2.5sqmm Green	1	Roller		
11	Ceilling fan, approved National or equal	2	PC'S		
12	16mmsq 4 core cable	20	M		
13	1gang one way switch	1	No		
14	2gang two way switch	5	No		
15	20A DP switch	1	No		
16	Lan socket	1	No		
17	Gypsum light complete with energy saver 18w	2	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	75	PC		
22	Round cover	20	PC		
23	Junction box	30	PC		
24	Elbow	25	PC		
25	Conduit coupling	25	PC		
26	Fine screw	5	PACKET		
27	Extract fan	2	No		
	SUB-TOTAL FOR ELECTRICAL INSTALLATION				

SCHEDULE OF MATERIALS

MORTUARY - (GROSS FLOOR AREA = 98 SQ.M)

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

SCHEDULE OF MATERIALS

MORTUARY - (GROSS FLOOR AREA = 98 SQ.M)

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

SCHEDULE OF LABOUR'S

Na.	AINA YA KAZI	BEI YA UFUNDI - Shs
A	<u>Msingi wa Jengo (Sub-structure)</u>	
1	Kuseti jengo	
2	Uchimbaji wa msingi	
3	Kufukia	
	<u>Kufunga mbao</u>	
4	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 (896 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 (1992 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.	

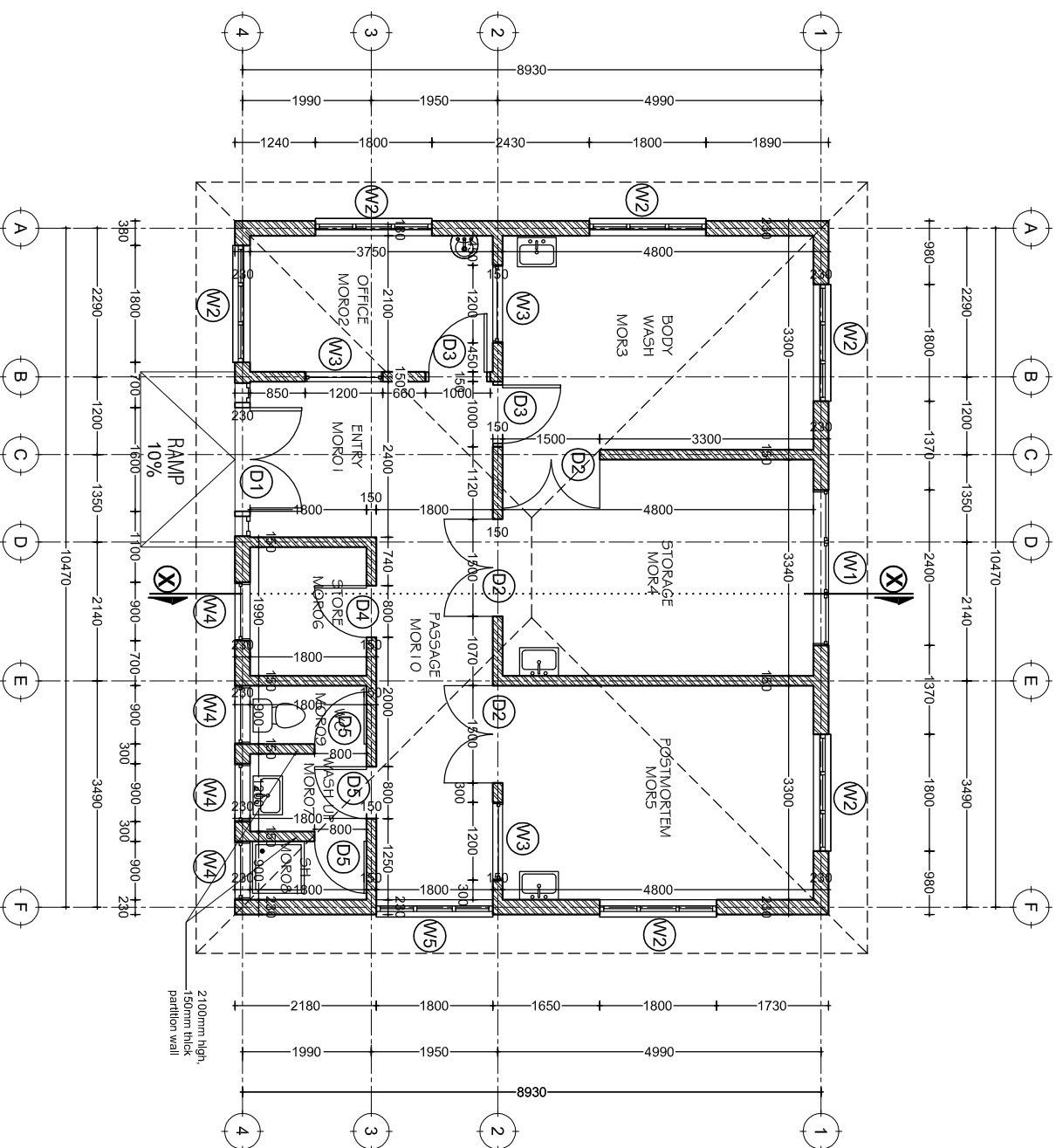
ANGALIZO:

(i) Fundi anatakiwa kujaza hii fomu kwa kupitia mchoro wa jengo husika

DRAWINGS

DOOR & WINDOW SCHEDULE			
NO.	WIDTH	HEIGHT	TOTAL
D1	1600mm	2500mm	1
D2	1500mm	2500mm	3
D3	1000mm	2500mm	2
D4	800mm	2500mm	1
D5	800mm	2100mm	3
W1	2400mm	600mm	1
W2	1500mm	1500mm	7
W3	1200mm	1500mm	3
W4	1500mm	900mm	4
W5	1800mm	900mm	1

GROUND PLAN
SCALE: 1:100
TOTAL AREA = 98sqm



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 ADMINISTRATIO AND
 LOCAL GOVERNMENT**
 Project
PROPOSED HEALTH CENTER

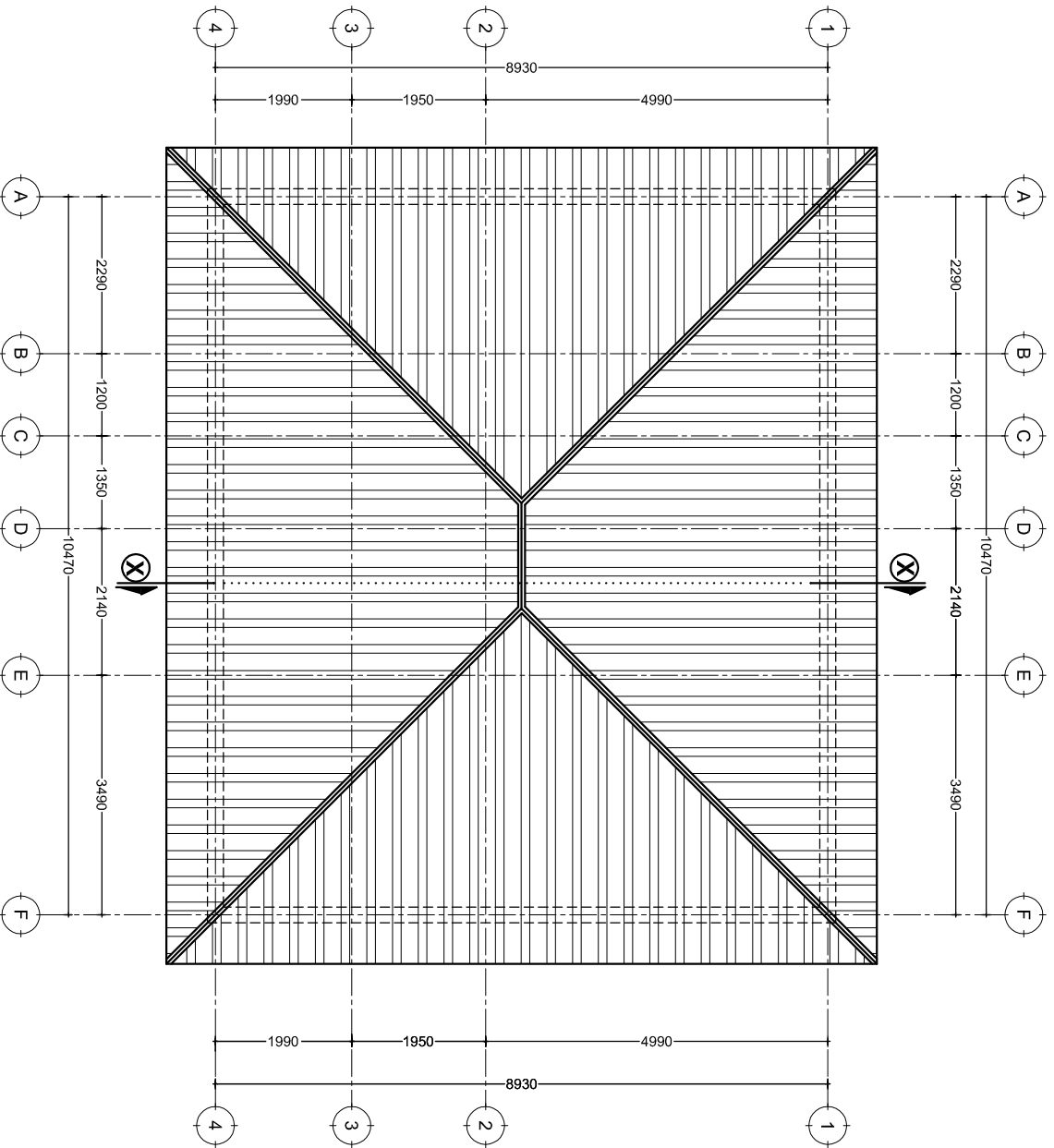
MORTUARY BUILDING
Ground Floor Plan

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

A / O / I

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

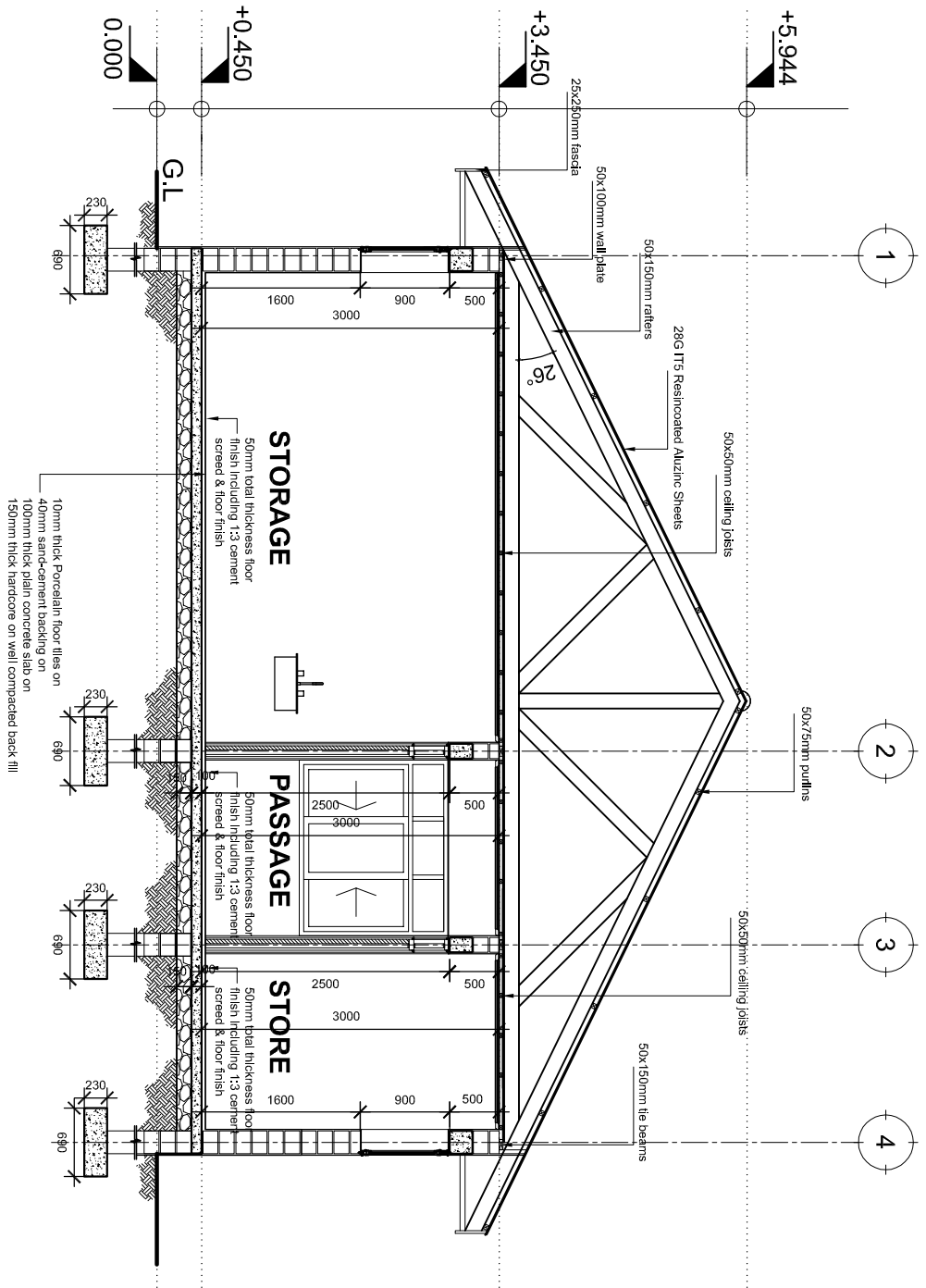
Client
 PRESIDENT OFFICE, REGIONAL ADMINISTRATIO AND
 LOCAL GOVERNMENT
 Project
 PROPOSED HEALTH CENTER

MORTUARY BUILDING Roof Plan

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

SECTION X:X

SCALE: 1:50



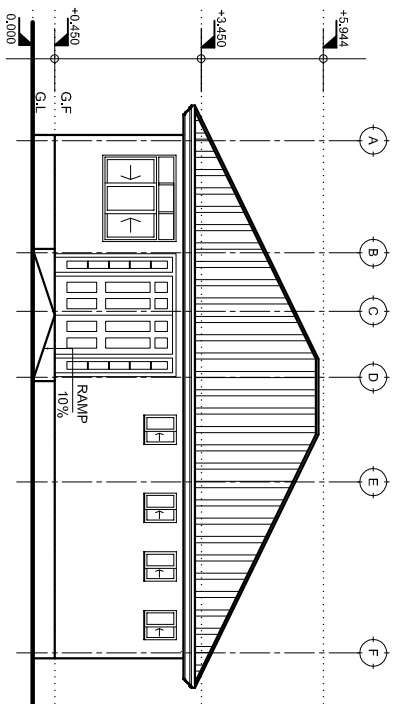
Building Section
 Policy and Planning Department
 Ministry of Health, Community Development,
 Gender, Elderly and Children
 University of Dodoma
 College of Humanities and Social Science 11th
 Building,
 P. O. Box 743,
 404728 DODOMA

Approved

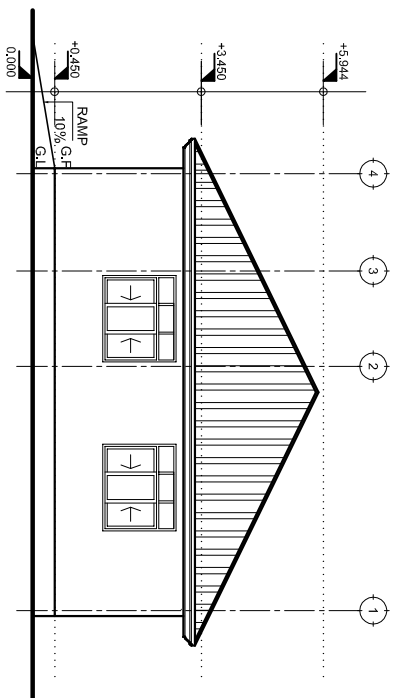
No.	Description	Date

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

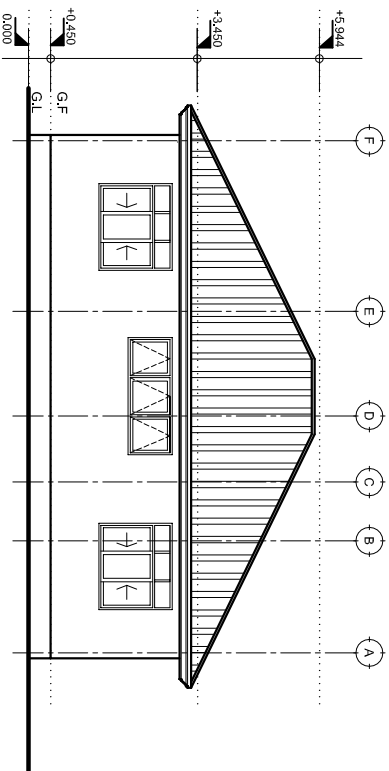
MORTUARY BUILDING	
Section X:X	
Project number	2018 / 02 / 01
Date	02 FEBRUARY 2018
Drawn by	DCNM
Checked by	DCNM
Scale	1:50
	A103



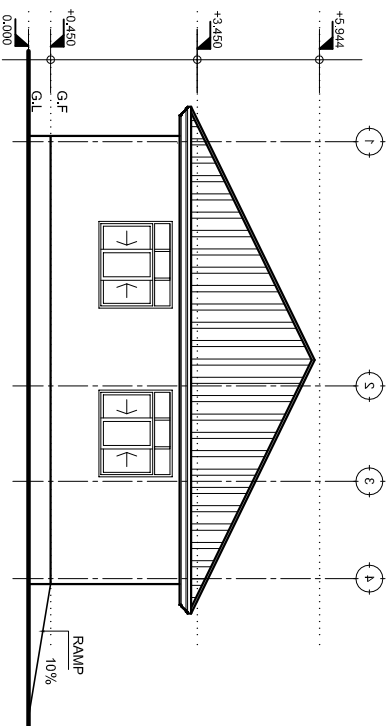
FRONT ELEVATION



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,
 40478 DODOMA

Approved

No.	Description	Date

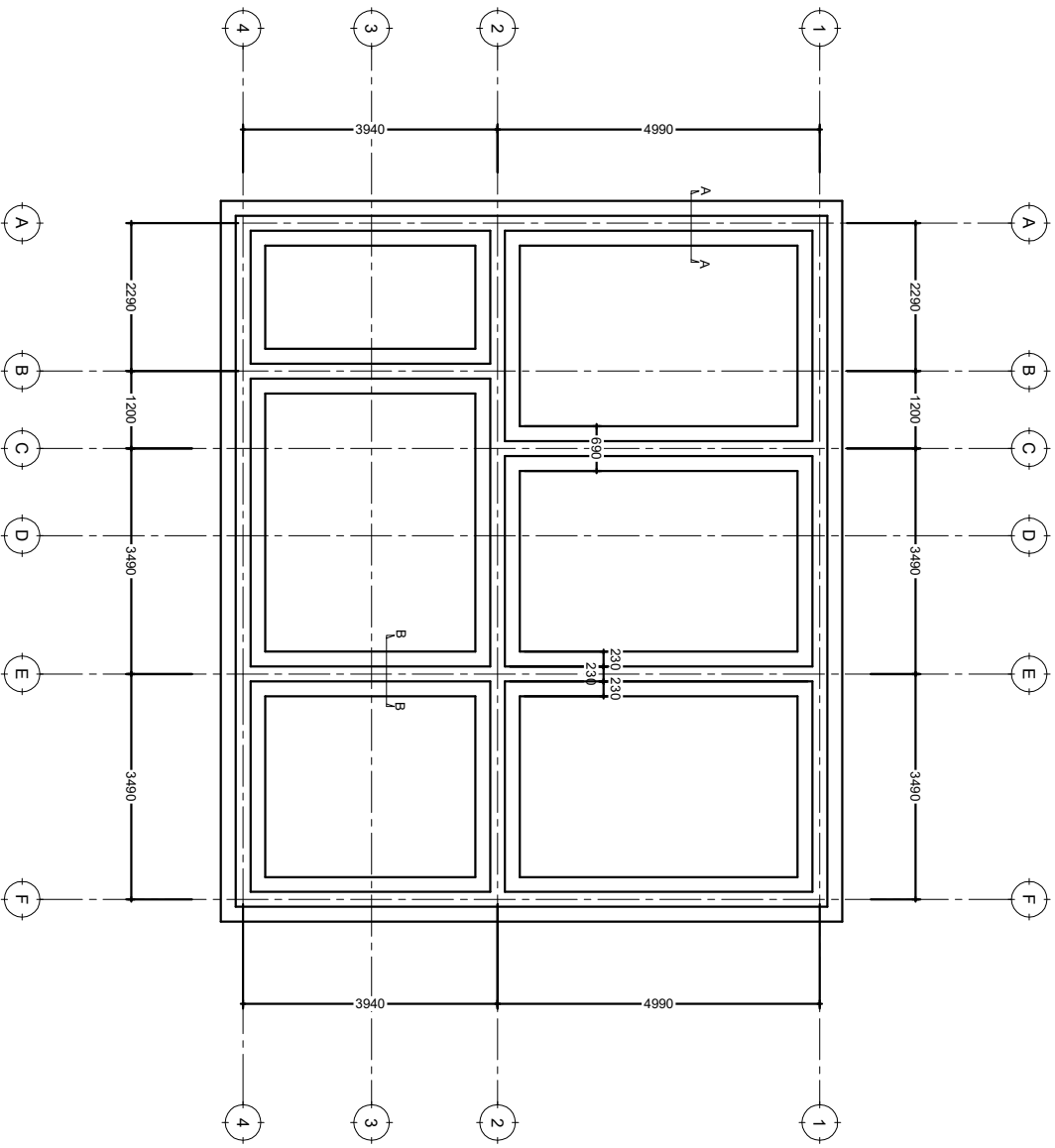
Client
 PRESIDENT OFFICE, REGIONAL ADMINISTRATION
 AND LOCAL GOVERNMENT
 Project
 PROPOSED HEALTH CENTER

MORTUARY BUILDING
 Elevations

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

A / 04

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

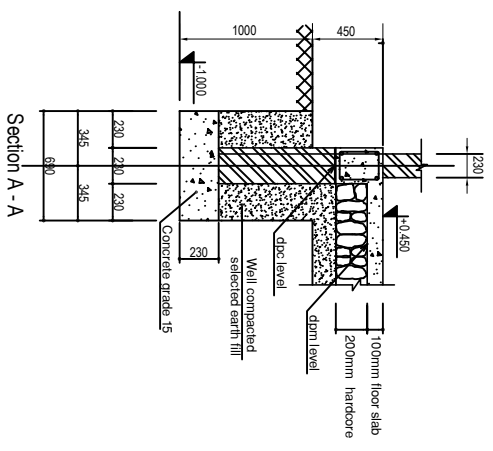
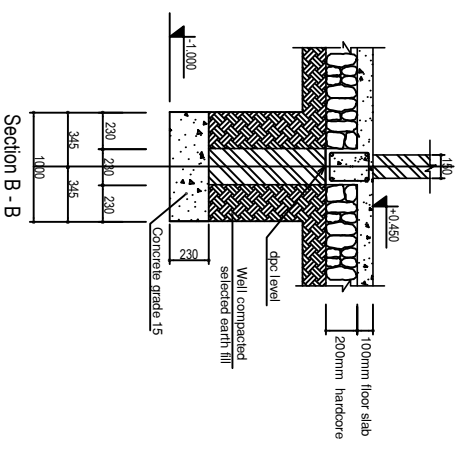
PROJECT:
PROPOSED REHABILITATION OF HEALTH CENTRE

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

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

DRAWING TITLE:
MORTUARY FOUNDATION LAYOUT

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

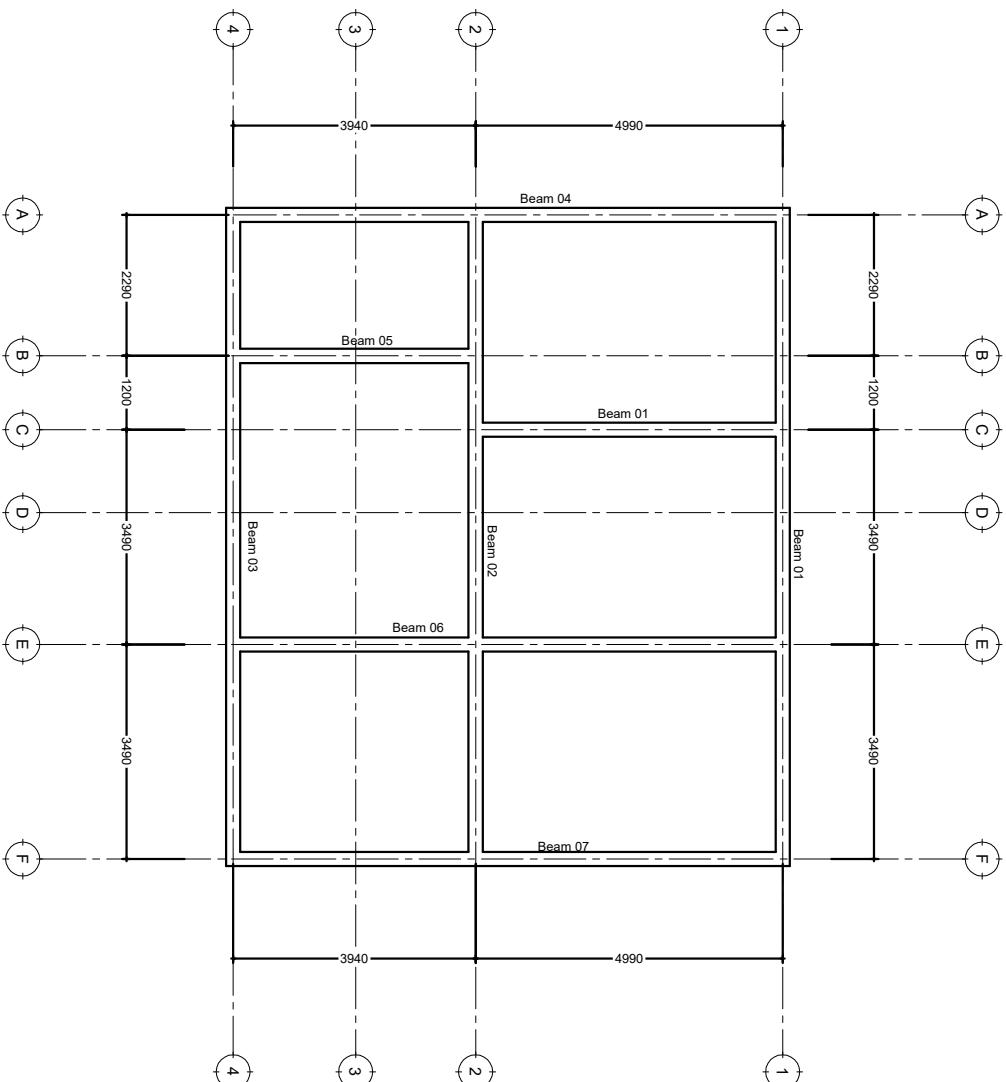
PROJECT:
PROPOSED REHABILITATION OF HEALTH CENTRE

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

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

DRAWING TITLE:
**MOTUARY FOUNDATION
 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.102
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

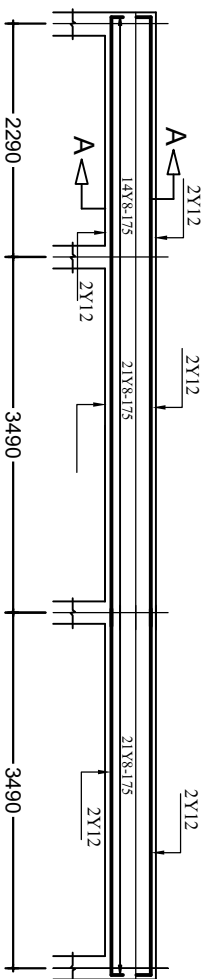
PROJECT:
**PROPOSED REHABILITATION
 OF HEALTH CENTRES**

CLIENT: PRESIDENT'S OFFICE
 REGIONAL ADMINISTRATION
 AND LOCAL GOVERNMENT
 (PORALG)

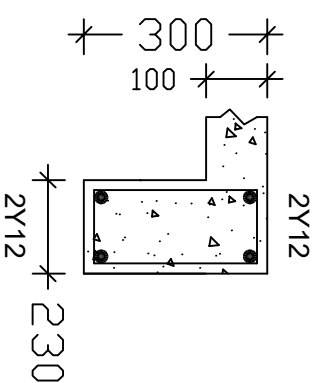
MINISTRY OF
 HEALTH, COMMUNITY
 DEVELOPMENT, GENDER,
 ELDERLY AND CHILDREN

DRAWING TITLE:
**MORTUARY PLINTH BEAM
 LAYOUT**

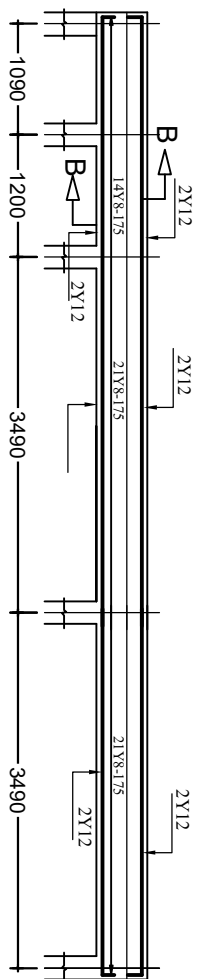
Designed by:	Eng. R.A.M
Drawn by:	Eng. R.A.M
Checked by:	Eng. A. MKHOTYA
Approved by:	
Date:	2018
Scale:	
Drawing No.	STR-103
Sheet:	



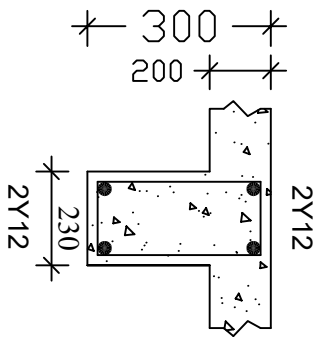
PLINTH BEAM DETAILS 230x300mm
FOR TYPICAL EXTERNAL WALLS
(BEAM 01)



SECTION A-A



PLINTH BEAM DETAILS 150x300mm
FOR TYPICAL INTERNAL WALLS
(BEAM 02)



SECTION B-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:
PRESIDENTS OFFICE
REGIONAL ADMINISTRATION
AND LOCAL GOVERNMENT
(PORALIG)

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

DRAWING TITLE:
**MORTUARY PLINTH BEAM
DETAILS**

Designed by: Eng. R.A.M

Drawn by: Eng. R.A.M

Checked by: Eng. A.MKHOTYA

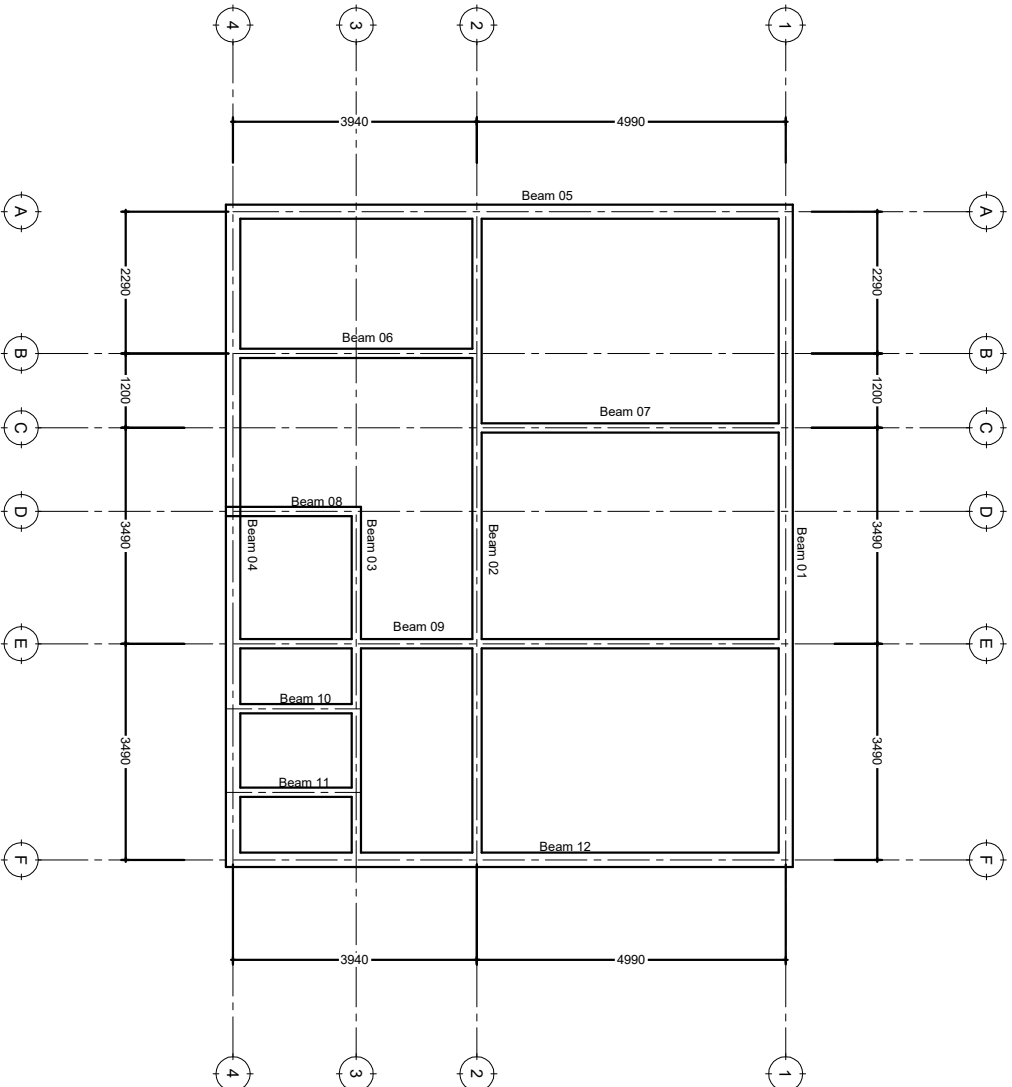
Approved by:

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

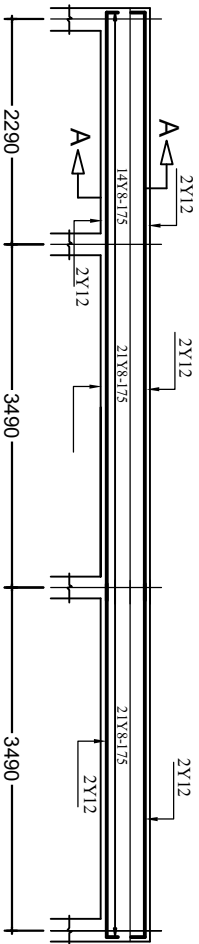
PROJECT:
PROPOSED REHABILITATION OF HEALTH CENTRES

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

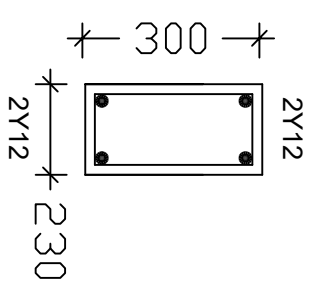
CONSULTANT:
 MINISTRY OF
 HEALTH, COMMUNITY
 DEVELOPMENT, GENDER,
 ELDERLY AND CHILDREN

DRAWING TITLE:
MORTUARY 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:	



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



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

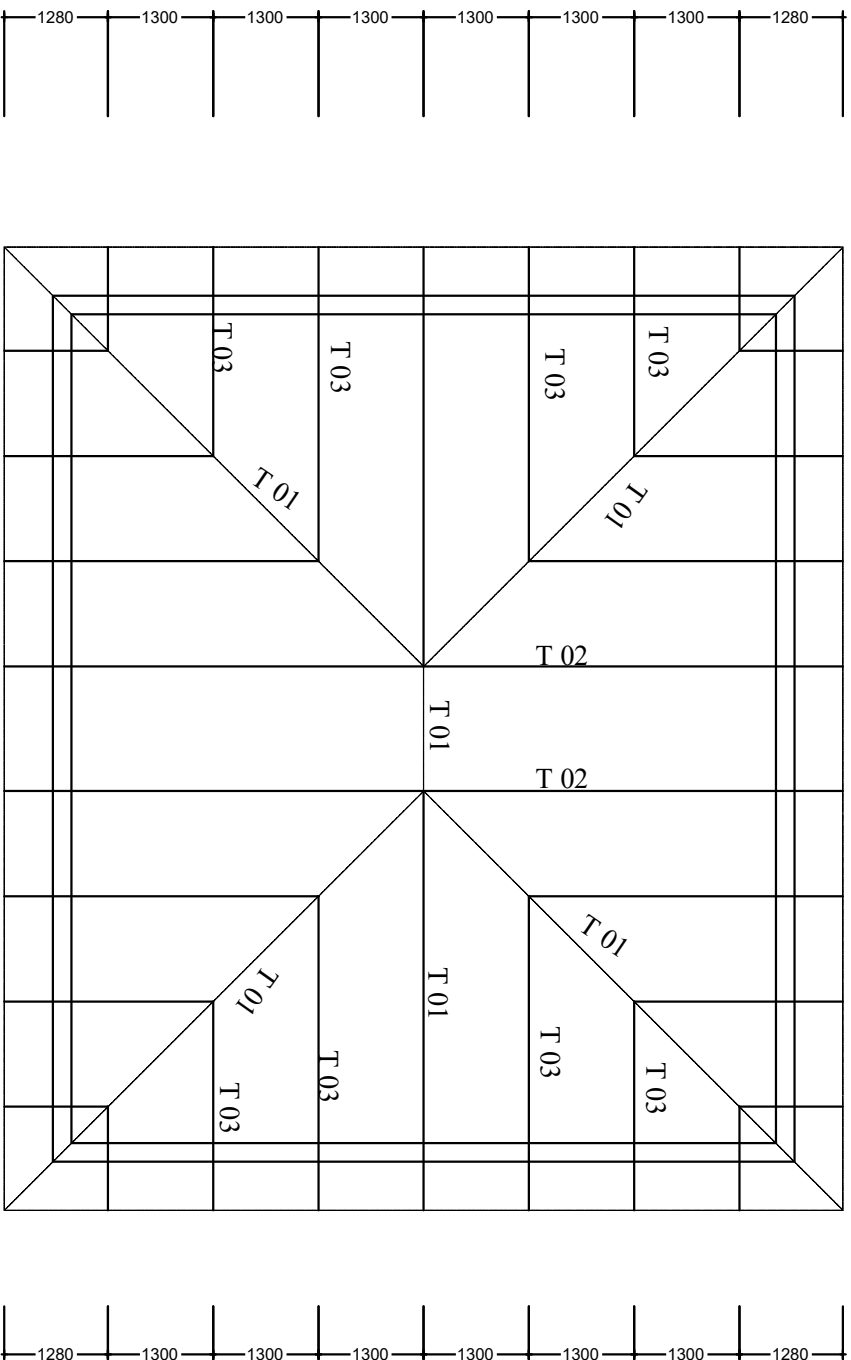
CLIENT:
PRESIDENTS OFFICE
REGIONAL ADMINISTRATION
AND LOCAL GOVERNMENT
(PORALG)

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

DRAWING TITLE:

MORTUARY RING BEAM 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:	



ROOF 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 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

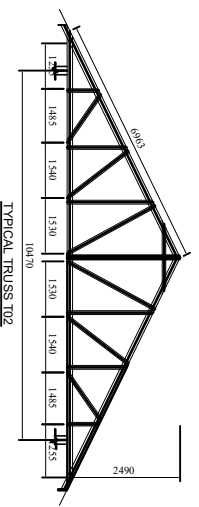
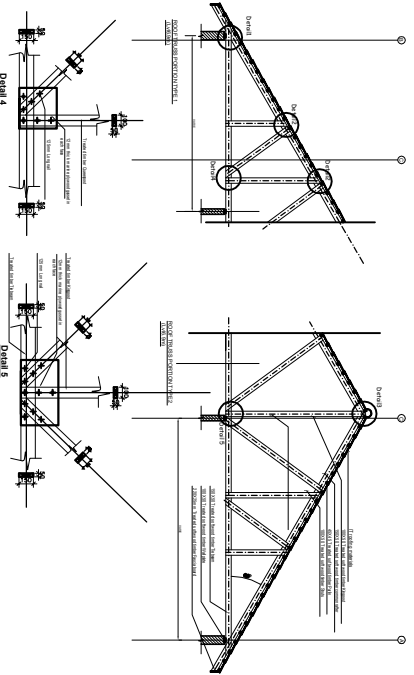
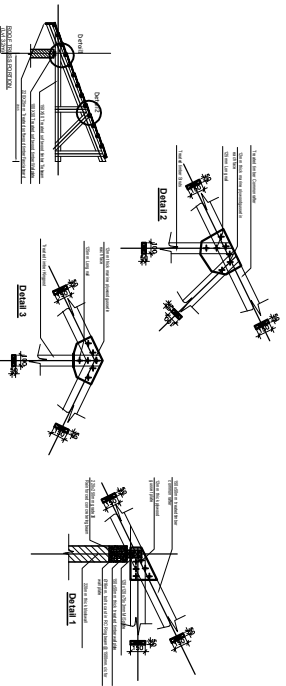
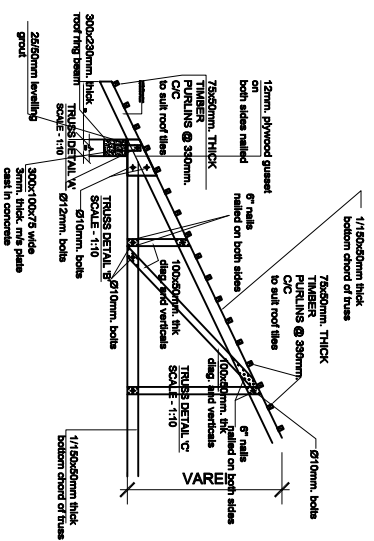
PROJECT:
PROPOSED REHABILITATION OF HEALTH CENTRES

CLIENT:
 PRESIDENTS OFFICE
 REGIONAL ADMINISTRATION
 AND LOCAL GOVERNMENT
 (PORALIG)
 MINISTRY OF
 HEALTH, COMMUNITY
 DEVELOPMENT, GENDER,
 ELDERLY AND CHILDREN

DRAWING TITLE:

MORTUARY TRUSS LAYOUT

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

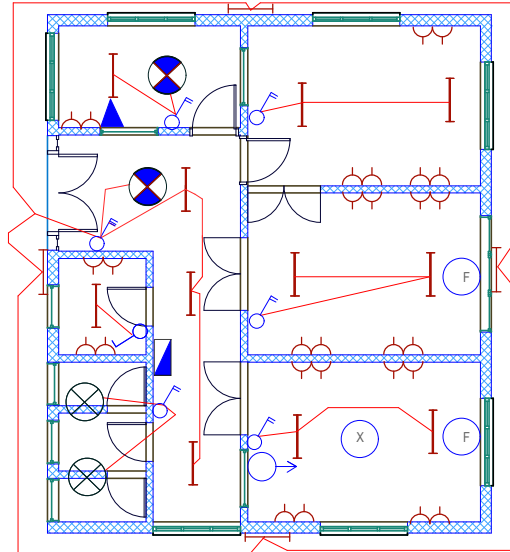
PROJECT:
PROPOSED REHABILITATION OF HEALTH CENTRES

CLIENT:
 PRESIDENT'S OFFICE
 REGIONAL ADMINISTRATION
 AND LOCAL GOVERNMENT
 (PORALIG)

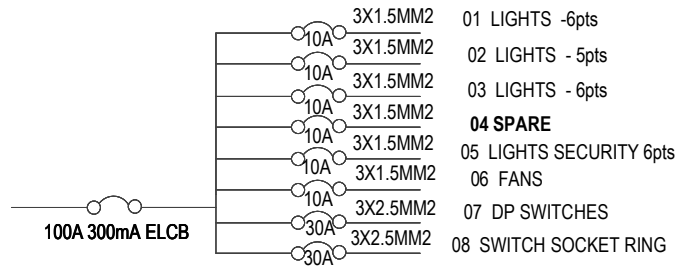
MINISTRY OF
 HEALTH, COMMUNITY
 DEVELOPMENT, GENDER,
 ELDERLY AND CHILDREN

DRAWING TITLE:
MORTUARY 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:	



8WAYS TPN DISTRIBUTION BOARD MTU






























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

Approved	NO	Description	Date

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

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

ELECTRICAL SYMBOLS

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

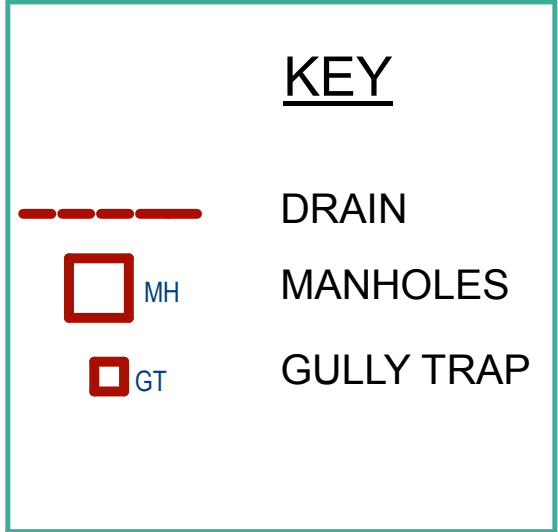
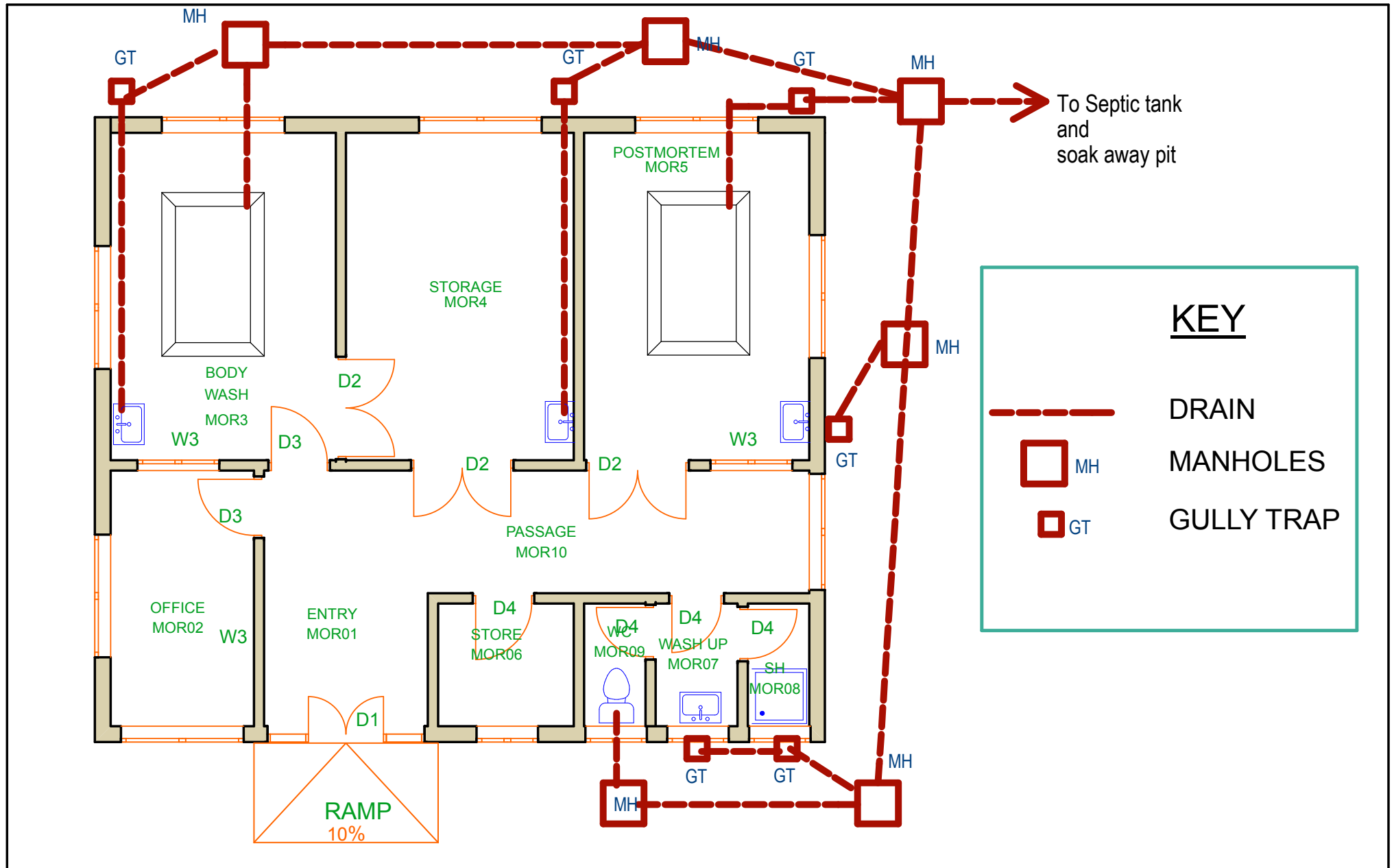
Building Section
Policy and Planning Department,
Ministry of Health, Community Development,
Gender, Elderly and Children
6 Samora Machel Avenue
P.O. Box 9083, Dar es Salaam
Tel +25522234000/5
Fax +255222137591

Approved	NO	Description	Date

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

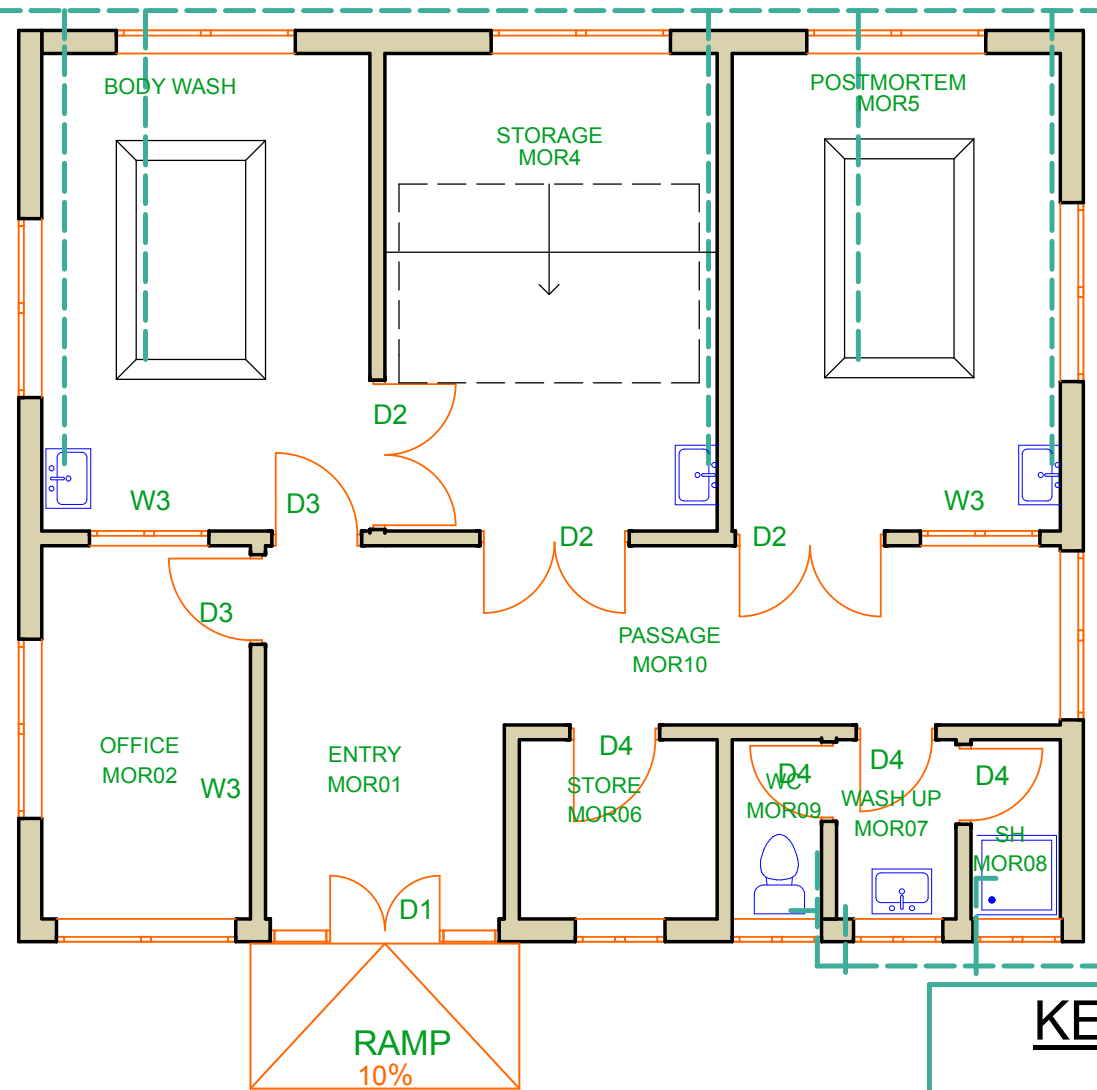
PROJECT:-
PROPOSED HEALTH CENTER

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



Building Section Policy and Planning Department Ministry of Health, Community Development, Gender, Elderly and Children, University of Dodoma, College of Humanities and Social Sciences 11th Building, P.O.Box 743, Dodoma		NO.	Description	Date	CLIENT PRESIDENT OFFICE, REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT, PROJECT PROPOSED HEALTH CENTRES	MORTUARY Drainage		
							PROJECT NO.	
							DATE FEB, 2018	
							DRAWN BY SUDI	
							CHECKED BY SUDI	

From main suppliers



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

NO.	Description	Date

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

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