

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 LAUNDRY 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	SUBSTRUCTURE -PROVISIONAL				
1	<u>Strip Foundation - Grade 15 Plain</u>				
	Aggregate (3/4")	6	M ³		
	Sand	3	M ³		
	Cement-50kgs	27	Bags		
2	<u>Foundation Walls</u>				
	6" Cement & Sand Block	420	No		
	Sand	1.3	M ³		
	Cement -50kgs	7	Bags		
3	<u>Moram, Hardcore & Site sterilization</u>				
	Moram-(4.5m ³ lorry)	4	Trips		
	Hadcore-(4.5m ³ lorry)	2	Trips		
	Sand	5	M ³		
	Aldrin solution or equal and approved	5	Litres		
4	<u>Oversite Concrete (100mm thick - 15 grade) & Ground Beam - 20 grade</u>				
	DPM	48	M ²		
	Cement -50kgs	43	Bags		
	Aggregates (1/2")	8	M ³		
	Sand	4	M ³		
	Reinforcement - 12mm diameter high tensile	11	PC'S		
	Reinforcement - 8mm diameter	15	PC'S		
	Timber 1" X 8" (5.2m long)	3	PC'S		
	Timber 2" X 2"	5	PC'S		
	Nails-4"	10	Kgs		
	Nails-3"	7	Kgs		
	Supporting props	13	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	1,161	No		
	DPC	2.8	Roll		
	Sand	7	M ³		
	Cement-50kgs	39	Bags		
	Aggregates (1/2")	2	M ³		
	Reinforcement - 12mm diameter high tensile	11	PC'S		
	Reinforcement - 8mm diameter	15	PC'S		
	Binding Wire - 1kg	3	Bundle		
	Timber 1" X 8" to Sides (5.2m long)	13	PC'S		
	Timber 1" X 5" (Plates)	13	PC'S		
	Timber 2" X 2"	10	PC'S		
	Supporting Props	20	PC'S		
	SUB-TOTAL SUPER STRUCTURE				
C.	ROOF STRUCTURE & COVERING				
1	<u>Roof Structure - Provisional</u>				
	Timber 2 " X 3" purlins	192	FT		
	Timber 2" X 4" King Post and struss	145	FT		
	Timber 2" X 6" Rafter and Tie beam	258	FT		
	Fascia board 1" X 10" (5.2m long)	7	PC'S		
	Nails -5"	5	Kgs		
	Nails -4"	3	Kgs		
	Nails -3"	3	Kgs		
	NOTE: The above softwood timber structure should be pressure impregnated treated				
2	<u>Roof Covering</u>				
	28G IT resincoated sheet	94	M		
	Hips - 28 G	3	PC'S		
	Roofing Nails	4	Box		
	TO COLLECTION			C/F	

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
				B/F	
3	Gutter's (provisional)				
	Upvc 150mm half round (6m long)-5"	3	PC'S		
	Upvc 100mm dia.down pipe; Class B	2	PC'S		
	Clamp	8	PC'S		
	Upvc bend	4	PC'S		
	UPVC Elbow	4	PC'S		
	Screw and fisher	1	BOX		
	SUB-TOTAL ROOF STRUCTURE & COVERING				
E.	CEILING				
	Gypsum board -12mm thick	17	PC'S		
	Plain Cornice	14	PC'S		
	Gypsum Screw 1" 800pcs/box	2	Box		
	Screw 1.25" 800pcs/box	1	Box		
	Gypsum powder	3	Bags		
	Fibre tape	1	Pcs		
	Treated softwood Timber 2" X 2"	688	FT		
	Nails 4"	10	Kgs		
	Nails 3"	9	Kgs		
	PVC ceiling with its fittings -	20	Pc's		
	SUB-TOTAL FOR CEILING				
F.	DOOR				
1	45mm thick paneled door shutter				
	1000 x 2100mm high	3	PC'S		
2	Frames (hardwood),Varnish, Glass & Burglar bar				
	1000 x 2500mm high	3	PC'S		
	4mm thick clear glass to Vents	2	M ²		
	16 mm burglar bars	1	PC'S		
	Brush 3"	1	Pcs		
	Sand paper (msasa) No.80	2	LM		
	Clear Varnish - 4Litres	1	TIN		
	Thinner for Varnish -4Litres	1	Litres		
				B/F	

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
				C/F	
	DOORS CONT..				
3	<u>IronMongeries</u>				
	Mortice lock Three lever - ref: union	3	No		
	Brass hinges - 100mm	4.5	Pairs		
	Barrel bolt - 150mm	3	No		
	Wood Screw	1	Box		
	SUB-TOTAL FOR DOORS				
G.	WINDOWS				
1	<u>Supply and fix Aluminium Windows 2mm thick frem with fibre glass, Mosquitor gauze and its</u>				
	1800 X 1300mm high	7	PC'S		
2	<u>Supply and fix 4mm thick flat bar grill painted red-oxide</u>				
	1800 X 1300mm high	7	PC'S		
	SUB-TOTAL FOR WINDOWS				
H.	FINISHING				
1	<u>Floor finishing - (ratio 1:6)</u>				
	Sand	2	M ³		
	Cement-50kgs	14	Bags		
	600 x 600Non slippery Porcelain floor tiles (1.46 Sqm/Box)	33	Box		
	Skirting (600 mm long; 25No/Box)	2	Box		
	Grout	1	Packet		
	Spacer	1	Packet		
	Allow sums for chain link/Louvers block fence on drying area approximately 17m	-	ITEM		
2	<u>Wall Finishing</u>				
	Sand	7	M ³		
	Cement-50kgs	42	Bags		
	White cement - 50kg	2	Bags		
				B/F	

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
				C/F	
	Gypsum powder	2	Bags		
	Sand paper (msasa) No.120	0.25	Roll		
	200 X 300 Wall tiles to toilets full height (0.96Sqm/Box)	50	Box		
	Grout	1	Packet		
	Spacer	1	Packet		
	SUB-TOTAL FOR FINISHING				
I.	PAINTING & DECORATION				
	Emulsion Paint - 20 LTRS	3	buckets		
	Weather guard Paint - 20 LTRS	2	buckets		
	Washable paint -20 LTRS	1	buckets		
	Primer paint -20 LTRS	1	buckets		
	Solvent - 5LTRS	1	TIN		
	Brush 3"	1	Pcs		
	Roller	1	Pcs		
	Gloss paint-4LTR	1	TIN		
	Bitumen paint - 4Litres	1	TIN		
	SUB-TOTAL FOR PAINTING&DECORATION				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
J.	ELECTRICAL INSTALLATION				
1	Single flourescent fiiting, approved philips or equal	3	No		
2	Double flourescent fiiting, approved philips or equal	8	No		
3	Double switch sorcket	6	No		
4	Main switch 12way,3PH with intergral RCD as MEM or equal	1	No		
5	Single core wire 1.5sqmm -Red	1	Roller		
6	Single core wire 1.5sqmm -Black	1	Roller		
7	Single core wire 1.5sqmm -green	1	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	16mmsq 4 core cable	20	M		
12	2gang two way switch	3	No		
13	Earth rod approved copper not less than 1200mm	1	No		
14	Earth wire 4sqmm	20	M		
15	Plastic clips	3	BOX		
16	Conduit pipe	25	PC		
17	Metal box double	6	PC		
18	Metal box single	3	PC		
19	Round box	5	PC		
20	Round cover	10	PC		
21	Junction box	5	PC		
22	Elbow	8	PC		
23	Conduit coupling	10	PC		
24	Industrial socket 3PH	3	No		
25	Fine screw	1	PACKET		
	SUB-TOTAL FOR ELECTRICAL INSTALLATION				

SCHEDULE OF MATERIALS

LAUNDRY - (GROSS FLOOR AREA = 55 SQ.M)

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
L.	PLUMBING & SANITARY INSTALLATION- PROVISIONAL				
1	IPS pipe 1/2	2	PC'S		
2	Elbow 1/2" GS	5	PC'S		
3	Gate valve 1/2" GS	2	PC'S		
4	Union 1/2" GS	2	PC'S		
5	PVC 1 1/2" pipe	3	PC'S		
6	Elbow 1 1/2" pvc	5	PC'S		
7	Tee 1 1/2" pvc	4	PC'S		
8	Plug 1 1/2" pvc	2	PC'S		
9	Flexible pipe 1/2"	2	PC'S		
10	Elbow 1/2" IPS	3	PC'S		
11	Nipple -1/2" IPS	5	PC'S		
12	Seal tape	5	PC'S		
13	PVC Elbow 4"	2	PC'S		
14	PVC pipe 4" -CLASS B	2	PC'S		
15	IPS pipe 1/2"	4	PC'S		
16	Elbow 1/2" IPS	10	PC'S		
17	Tee 1 1/2" IPS	8	PC'S		
18	Gully trap	2	PC'S		
19	Nipple -IPS	4	PC'S		
20	Tread tap	7	PC'S		
21	PVC clamp -4"	8	PC'S		
22	Fible glass bath tab	1	No		
	SUB-TOTAL FOR PLUMBING AND SANITARY INSTALLATION				

<u>GENERAL SUMMARY</u>		AMOUNT
		TZS
<u>LAUNDRY BUILDING</u>		
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	
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	Pembezeni mwa jamvi	
5	Pembezeni 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 (420No)	
	<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 (1,161No)	
	<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>Umaliziji (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 umaliziji(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	

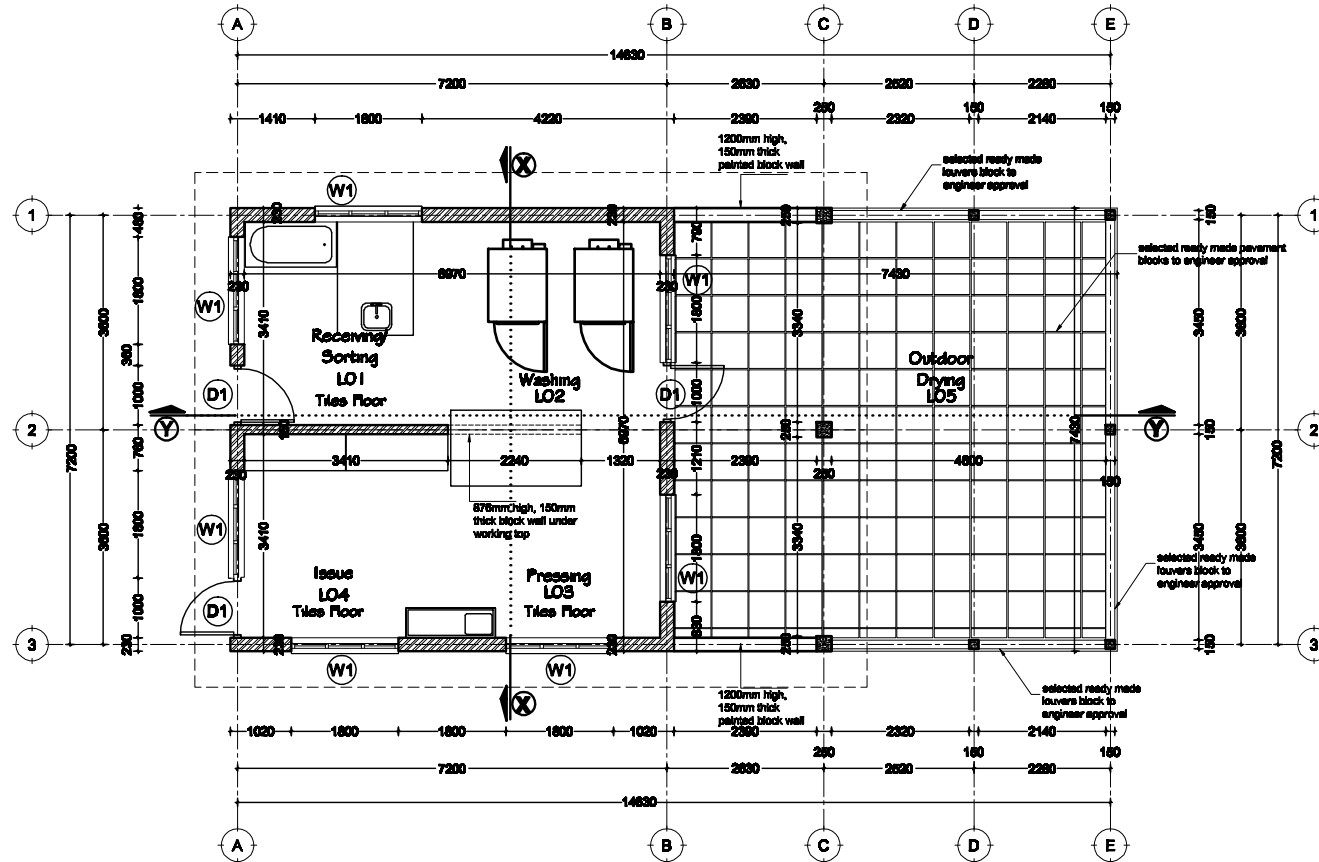
MAJUMUISHO (SUMMARY)		
		Shs
A.	Msingi wa Jengo (Sub-structure)	
B.	Kunyanyua jengo (Super-structure)	
C.	Kuezeka (Roof structure and covering)	
D.	Milango	
E.	Umalizijaji (Finishing)	
F.	Rangi na Mapambo (Painting & Decoration)	
G.	Umeme (Electrical installation)	
H.	Mifumo ya maji safi na taka (Water 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	1000mm	2500mm	3
W1	1800mm	1500mm	7



GROUND PLAN
SCALE: 1:100
TOTAL AREA = 74sqm

Building Section
 Policy and Planning Department
 Ministry of Health, Community Development,
 Gender, Elderly and Children
 University of Dodoma
 College of Humanities and Social Science I IIth
 Building,
 P. O. Box 745,
 40475 DODOMA

Approved

No.	Description	Date

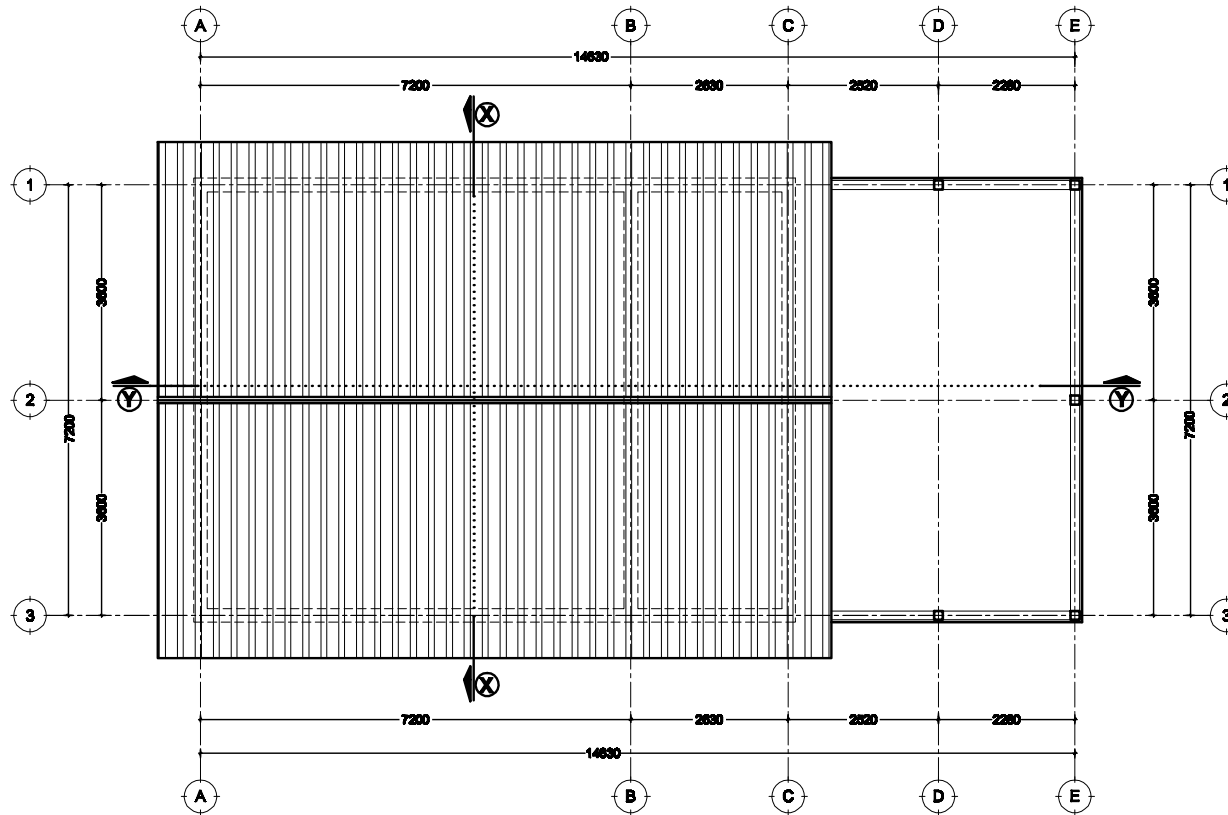
Client
**PRESIDENT OFFICE, REGIONAL ADMINISTRATION
 AND LOCAL GOVERNMENT**
 Project
PROPOSED HEALTH CENTER

LAUNDRY BLOCK
Ground Floor Plan

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

A101

Scale: 1:100



ROOF PLAN
SCALE: 1:100

Building Section
Policy and Planning Department
Ministry of Health, Community Development,
Gender, Elderly and Children
University of Dodoma
College of Humanities and Social Sciences 11th
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40470 DODOMA

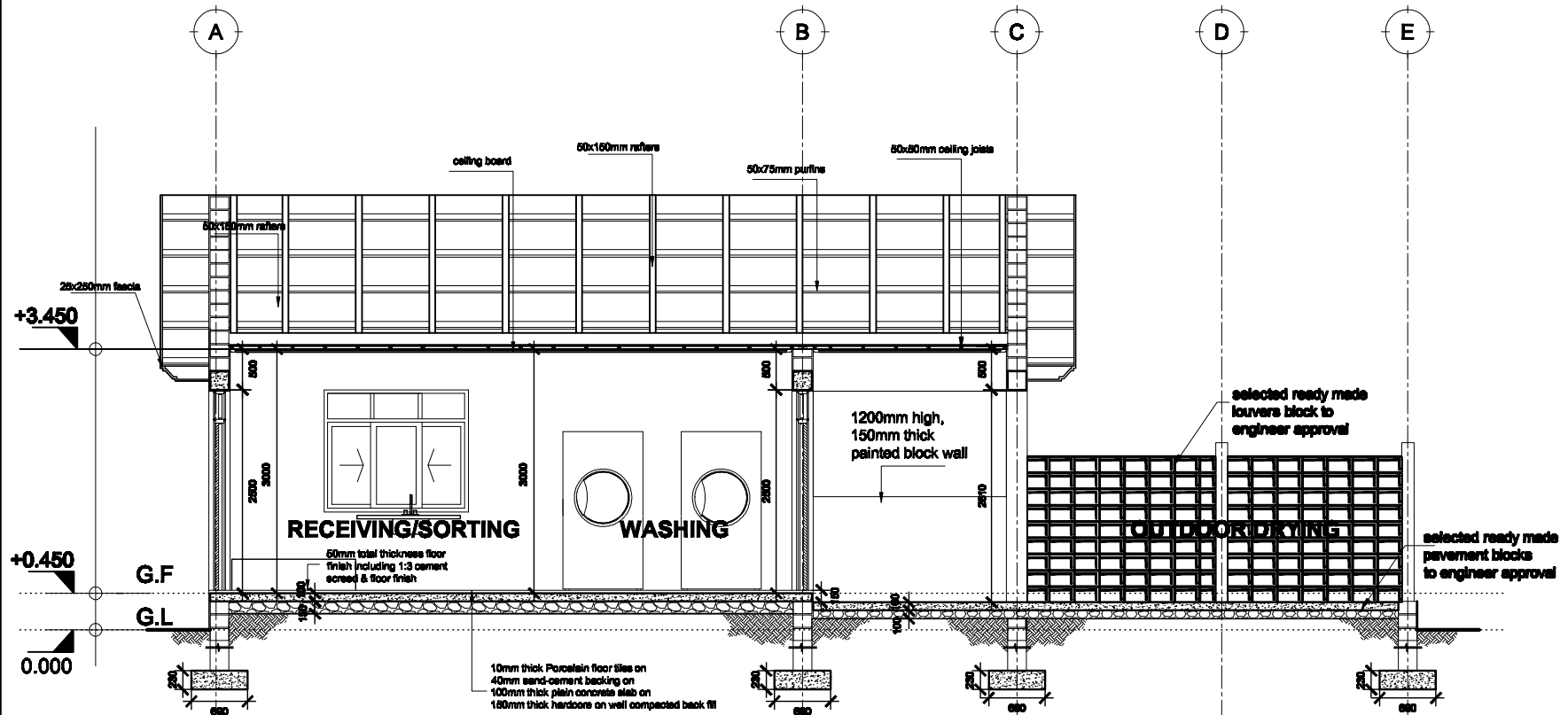
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No.	Description	Date

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

LAUNDRY BLOCK
Roof Plan

Project number	2018 / 02 / 01	A102
Date	02 FEBRUARY 2018	
Drawn by	DCNM	
Checked by	DCNM	
Scale		1:100



SECTION Y:Y
SCALE: 1:50

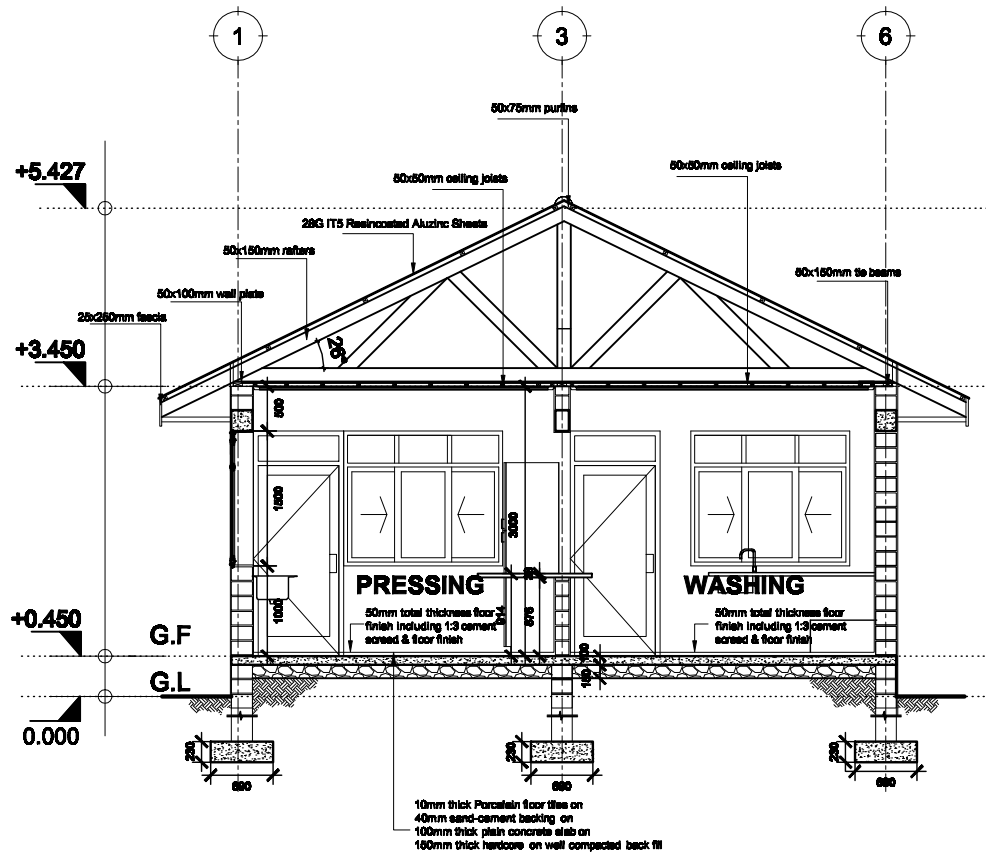
Building Section
Policy and Planning Department
Ministry of Health, Community Development,
Gender, Elderly and Children
University of Dodoma
College of Humanities and Social Science | 11th
Building,
P. O. Box 743,
40476 DODOMA

Approved

No.	Description	Date

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

LAUNDRY BLOCK	
Section Y:Y	
Project number 2018 / 02 / 01	A104
Date 02 FEBRUARY 2018	
Drawn by DCNM	
Checked by DCNM	Scale 1:50



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

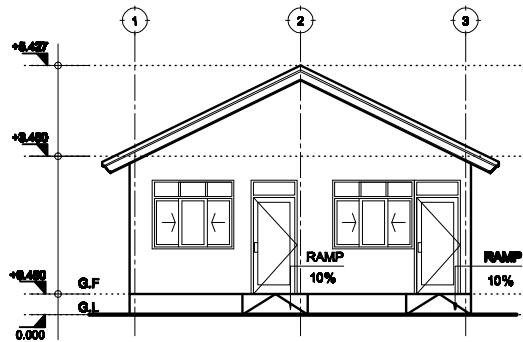
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No.	Description	Date

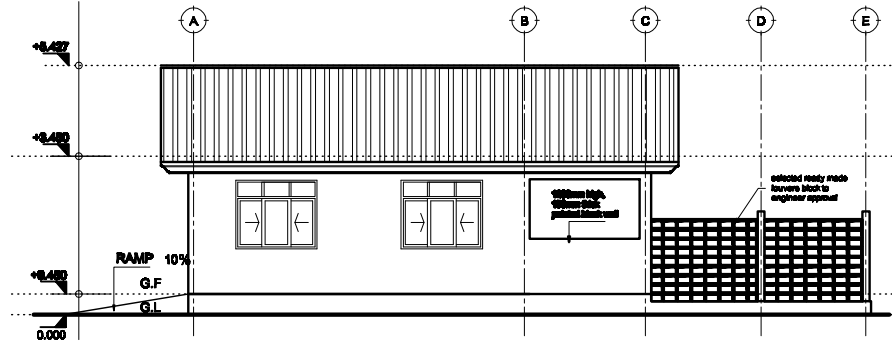
Client
**PRESIDENT OFFICE, REGIONAL ADMINISTRATION
AND LOCAL GOVERNMENT**
Project
PROPOSED HEALTH CENTER

LAUNDRY BLOCK
Section X:X

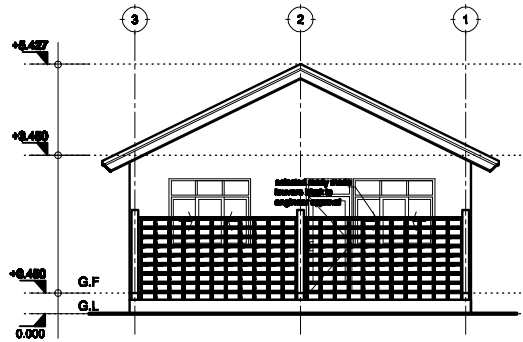
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Date	02 FEBRUARY 2016	
Drawn by	DCNM	Scale 1:50
Checked by	DCNM	



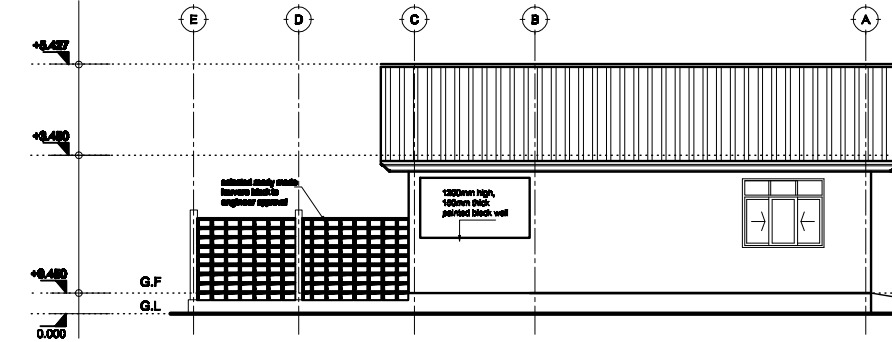
FRONT ELEVATION



RIGHT SIDE ELEVATION



REAR ELEVATION



LEFT SIDE ELEVATION

ELEVATIONS
SCALE: 1:100

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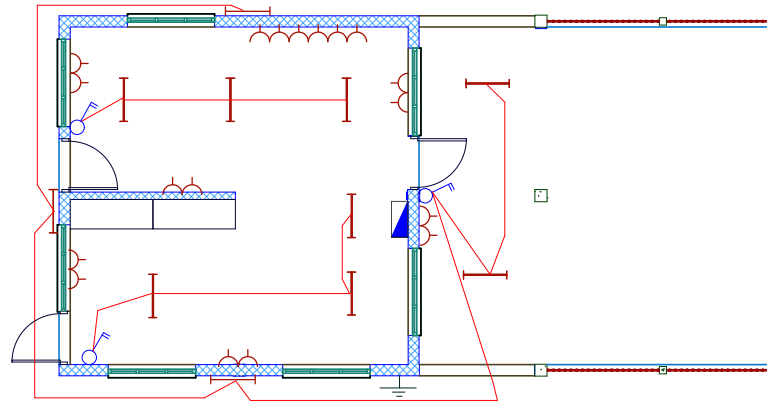
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No.	Description	Date

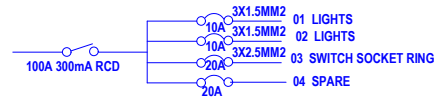
Client
**PRESIDENT OFFICE, REGIONAL ADMINISTRATION
AND LOCAL GOVERNMENT**
Project
PROPOSED HEALTH CENTER

LAUNDRY BLOCK
Elevations

Project number	2018 / 02 / 01	A105
Date	02 FEBRUARY 2018	
Drawn by	DCNM	Scale 1:100
Checked by	DCNM	



4WAY SPN DISTRIBUTION BOARD L



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



Approved	NO	Description	Date

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

PROJECT:-
 PROPOSED HEALTH CENTERS

ELECTRICAL PLAN LAUNDRY BLOCK	
Project No	
Date	7 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		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

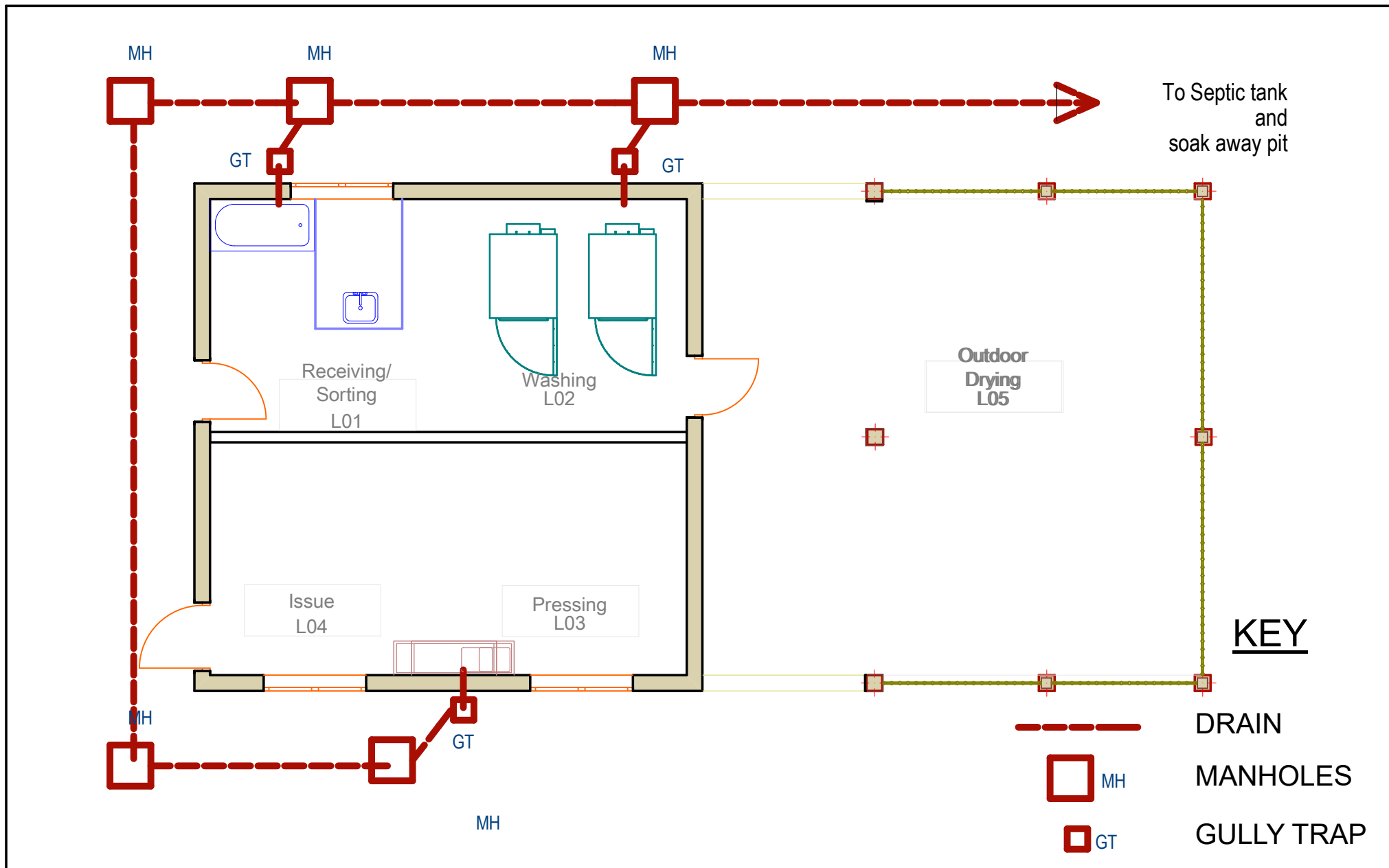
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 Ministry of Health, Community Development,
 Gender, Elderly and Children
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Approved	NO	Description	Date

CLIENT:-
 PRESIDENTS OFFICE,
 REGIONAL ADMINISTRATION AND
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PROJECT:-
 PROPOSED HEALTH CENTER

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



To Septic tank
and
soak away pit

KEY

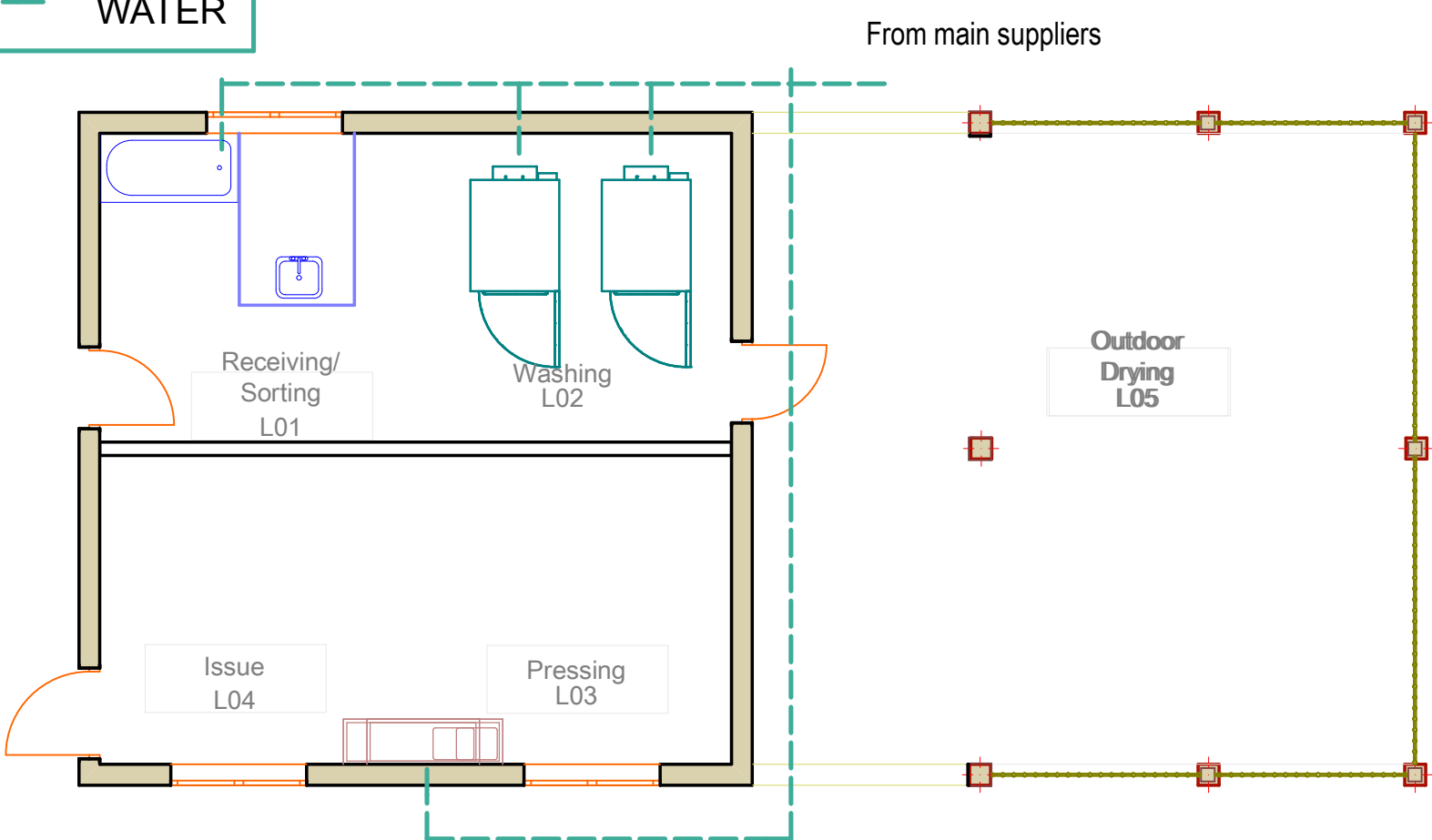
-  DRAIN
-  MH
-  GULLY TRAP

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Ministry of Health, Community Development,
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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

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



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
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 P.O.Box 743,
 Dodoma

NO.	Description	Date

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

LAUNDRY BLOCK
 Water

PROJECT NO.	
DATE FEB, 2018	
DRAWN BY SUDI	
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