

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 IPD 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")	28	M ³		
	Sand	14	M ³		
	Cement-50kgs	126	Bags		
2	<u>Foundation Walls</u>				
	6" Cement & Sand Block	2,282	No		
	Sand	8	M ³		
	Cement -50kgs	38	Bags		
3	<u>Moram, Hardcore & Site sterilization</u>				
	Moram (4.5m ³ lorry)	23	Trips		
	Hadcore (4.5m ³ lorry)	12	Trips		
	Sand	7	M ³		
	Aldrin solution or equal and approved	18	Litres		
4	<u>Oversite Concrete (100mm thick - 15 grade) & Ground Beam - 20 grade</u>				
	DPM	342	M ²		
	Cement -50kgs	256	Bags		
	Aggregates (1/2")	45	M ³		
	Sand	23	M ³		
	Reinforcement - 16mm diameter high tensile	13	PC'S		
	Reinforcement - 12mm diameter high tensile	60	PC'S		
	Reinforcement - 8mm diameter	78	PC'S		
	Timber 1" X 8" (5.2m long)	32	PC'S		
	Timber 2" X 2"	25	PC'S		
	Nails-4"	15	Kgs		
	Nails-3"	10	Kgs		
	Supporting props	15	PC'S		
	SUB-TOTAL SUBSTRUCTURE				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
B.	SUPERSTRUCTURE				
1	<u>Walls & Ring beam</u>				
	6" Cement & Sand Block	5,147	No		
	DPC	16	Roll		
	Sand	28	M ³		
	Cement-50kgs	175	Bags		
	Aggregates (1/2")	12	M ³		
	Reinforcement - 16mm diameter high tensile	7	PC'S		
	Reinforcement - 12mm diameter high tensile	60	PC'S		
	Reinforcement - 8mm diameter	78	PC'S		
	Binding Wire - 1kg	20	Bundle		
	Timber 1" X 8" to Sides (5.2m long)	68	PC'S		
	Timber 1" X 5" (Plates)	23	PC'S		
	Timber 2" X 2"	50	PC'S		
	Supporting Props	215	PC'S		
	SUB-TOTAL SUPER STRUCTURE				
C.	ROOF STRUCTURE & COVERING				
1	<u>Roof Structure - Provisional</u>				
	Timber 2 " X 3" Purlins	1,652	FT		
	Timber 2" X 4" King Post and struss	1,845	FT		
	Timber 2" X 6" Rafter and Tie beam	2,035	FT		
	Fascia board 1" X 10" (5.2m long)	20	PC'S		
	Nails -5"	65	Kgs		
	Nails -4"	85	Kgs		
	Nails -3"	45	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	455	M ²		
	Hips - 28 G	37	PC'S		
	Valley - 28 G	10	PC'S		
	Roofing Nails	32	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"	32	PC'S		
	Upvc 100mm diametre down pipe; Class B	12	PC'S		
	Clamp	48	PC'S		
	Upvc bend	24	PC'S		
	UPVC Elbow	24	PC'S		
	Screw and fisher	3	BOX		
	SUB-TOTAL ROOF STRUCTURE & COVERING				
E.	<u>CEILING</u>				
	Gypsum board -12mm thick	119	PC'S		
	Plain Cornice	134	PC'S		
	Gypsum Screw 1" 800pcs/box	13	Box		
	Screw 1.25" 800pcs/box	2	Box		
	Gypsum powder	11	Bags		
	Fibre tape	5	Pcs		
	Treated softwood Timber 2" X 2"	4,757	FT		
	Nails 4"	25	Kgs		
	Nails 3"	20	Kgs		
	PVC ceiling with its fittings	87	Pc's		
	SUB-TOTAL FOR CEILING				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
F.	DOOR				
1	<u>40mm thick solid core flush door shutter</u>				
	1000 x 2100 mm high	17	PC'S		
	1300 x 2100mm high	5	PC'S		
	2350 x 2100mm high including timber sides louvers 170mm wide	5	PC'S		
2	<u>Frames (hardwood),Varnish, Glass & Burglar bar</u>				
	1000 x 2500 mm high	11	PC'S		
	1000 x 2100 mm high	6	PC'S		
	1300 x 2500mm high	5	PC'S		
	2350 x 2500mm high	5	PC'S		
	4mm thick clear glass to Vents	16	M ²		
	16 mm burglar bars	8	PC'S		
	Brush 3"	5	Pcs		
	Sand paper (msasa) No.80	15	LM		
	Clear Varnish - 4Litres	2	TIN		
	Thinner for Varnish -4Litres	2	Litres		
3	<u>IronMongeries</u>				
	Mortice lock Three lever - ref: union	27	No		
	Brass hinges - 100mm	33	Pairs		
	Barrel bolt - 150mm	54	No		
	Wood Screw	2	Box		
	Kick- plate; 650 x 200mm	20	No		
	Kick- plate; 1000 x 200mm	34	No		
	Kick- plate; 1100 x 200mm	20	No		
	Hinges double swing -150mm	15	Pairs		
	Pushing plate	20	No		
	SUB-TOTAL FOR DOORS				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
G.	WINDOWS				
1	<u>Supply and fix Aluminium Windows 2mm thick frem with fibre glass, Mosquitor gauze and its ironmongeries</u>				
	1800 X 1500mm high	17	PC'S		
	600 X 600mm high	17	PC'S		
	2400 X 900mm high	4	PC'S		
2	<u>Supply and fix 4mm thick flat bar grill painted red-oxide</u>				
	1800 X 1500mm high	12	PC'S		
	SUB-TOTAL FOR WINDOWS				
H.	FINISHING				
1	<u>Floor finishing - (ratio 1:6)</u>				
	Sand	16	M ³		
	Cement-50kgs	99	Bags		
	600 x 600Non slippery Porcelain floor tiles (1.46 Sqm/Box)	235	Box		
	Skirting (600 mm long; 25No/Box)	18	Box		
	Grout (1kg/packet)	10	Packet		
	Spacer	4	Packet		
2	<u>Wall Finishing</u>				
	Sand	23	M ³		
	Cement-50kgs	144	Bags		
	White cement - 50kg	12	Bags		
	Gypsum powder	14	Bags		
	Sand paper Msasa No.120	1	Roll		
	200 X 300 Wall tiles to toilets full height (0.96 Sqm/Box)	214	Box		
	Grout	5	Packet		
	Spacer	2	Packet		
	SUB-TOTAL FOR FINISHING				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
J.	PAINTING & DECORATION				
	Emulsion Paint - 20 LTRS	22	buckets		
	Weather guard Paint - 20 LTRS	8	buckets		
	Washable paint -20 LTRS (Light blue green)	9	buckets		
	Primer paint -20 LTRS	3	buckets		
	Solvent - 5LTRS	1	TIN		
	Brush 3"	3	Pcs		
	Roller	5	Pcs		
	Gloss paint-4LTR	2	TIN		
	Bitumen paint - 4Litres	3	TIN		
	SUB-TOTAL FOR PAINTING&DECORATION				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
K.	ELECTRICAL INSTALLATION				
1	Single flourescent fitting, approved philips or equal	7	No		
2	Double flourescent fitting, approved philips or equal	24	No		
3	Double switch sorcket	29	No		
4	Main switch 12way,3PH with intergral RCD as MEM or equal	1	No		
5	Single core wire 1.5sqmm -Red	4	Roller		
6	Single core wire 1.5sqmm -Black	4	Roller		
7	Single core wire 1.5sqmm -green	3	Roller		
8	Single core wire 2.5sqmm -Red	3	Roller		
9	Single core wire 2.5sqmm -Black	3	Roller		
10	Single core wire 2.5sqmm Green	3	Roller		
11	Ceilling fan, approved National or equal	11	PC'S		
12	16mmsq 4 core cable	20	M		
13	1gang one way switch	12	No		
14	2gang two way switch	15	No		
15	20A DP switch	1	No		
16	Lan socket	1	No		
17	Gypsum light complete with energy saver 18w	13	No		
18	Earth rod approved copper not less than 1200	2	No		
19	Earth wire 4sqmm	30	M		
20	Plastic clips (22mm)	7	BOX		
21	Conduit pipe	150	PC		
22	Square box metal	28	PC		
23	Double box metal	16	PC		
24	Round cover	80	PC		
25	Junction box	80	PC		
26	Elbow	90	PC		
27	Conduit coupling	75	PC		
28	Fine screw	6	Packet		
29	Round Box	80	PC		
30	TV Socket	5	PC		
	SUB-TOTAL FOR ELECTRICAL INSTALLATION				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
L.	PLUMBING & SANITARY INSTALLATION- PROVISIONAL				
1	Nipple -1/2" bronze	75	PC'S		
2	Shower head 1/2" bronze	7	PC'S		
3	IPS pipe 1/2	5	PC'S		
4	Elbow 1/2" GS	50	PC'S		
5	Gate valve 1/2" GS	5	PC'S		
6	Union 1/2" GS	5	PC'S		
7	Flow trap 1 1/2"	5	PC'S		
8	PVC 1 1/2" pipe	8	PC'S		
9	Elbow 1 1/2" pvc	20	PC'S		
10	Tee 1 1/2" pvc	10	PC'S		
11	Plug 1 1/2" pvc	10	PC'S		
12	Flexible pipe 1/2"	15	PC'S		
13	Elbow 1/2" IPS	25	PC'S		
14	Nipple -1/2" IPS	25	PC'S		
15	Seal tape	50	PC'S		
16	WC squatting Complete with P trap -Asian	7	PC'S		
17	PVC Elbow 4"	20	PC'S		
18	PVC pipe 4" -CLASS B	10	PC'S		
19	PVC vent	7	PC'S		
20	IPS pipe 1/2"	10	PC'S		
21	Elbow 1/2" IPS	213	PC'S		
22	Tee 1 1/2" IPS	20	PC'S		
	TO COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
L.	PLUMBING & SANITARY INSTALLATION-CONT..				
				B/F	
1	Gully trap	5	PC'S		
2	Socket -chromium -1/2"	20	PC'S		
3	Nipple -IPS	10	PC'S		
4	Tread tap	25	PC'S		
5	Shower rose	7	PC'S		
6	Toilet pepar holder	7	PC'S		
7	Sluice sink complete with pilar tape and all necessary accessories as per approved	1	PC'S		
9	PVC clamp -4"	25	PC'S		
10	Hands wash basin complete with 6" Levers operating for elbow control and its accessories	7	PC'S		
11	Mirror	7	PC'S		
	SUB-TOTAL FOR PLUMBING AND SANITARY INSTALLATION				

	<u>GENERAL SUMMARY</u>	AMOUNT
		TZS
	<u>IPD BUILDING</u>	
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.	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 (2,282 No)	
	<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 (5,147 No)	
	<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	

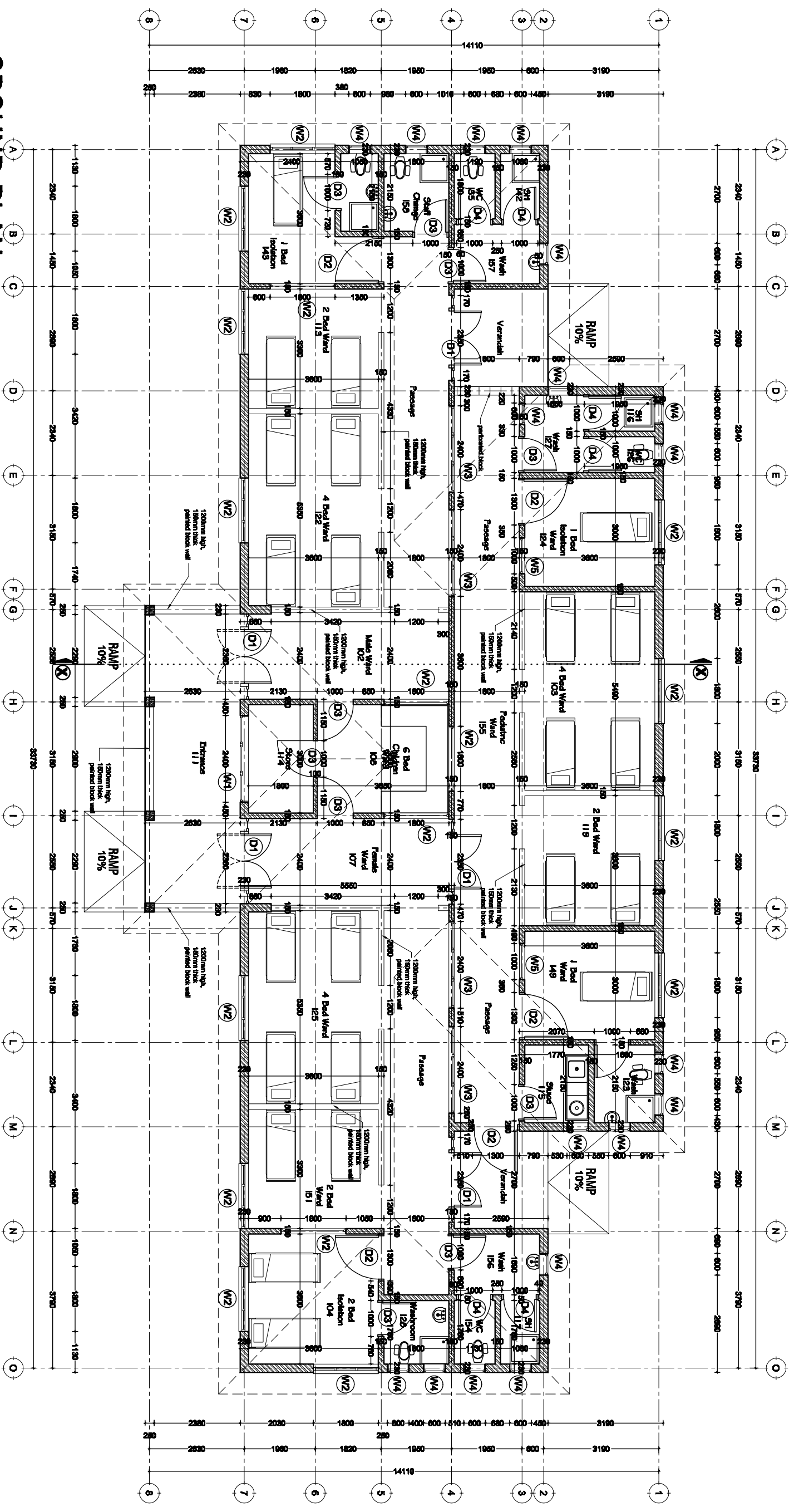
Na.	AINA YA KAZI	BEI YA UFUNDI - Shs
H.	<u>Mifumo ya maji safi na taka (Water Supply and Sewage system)</u>	
1	Ufungaji bomba awamu ya kwanza (Kuchimbia bomba)	
2	Ufungaji bomba awamu ya pili (2nd fix) -fittings	
3	Ufungaji wa Mifumo ya maji ya mvua kwenda kwenye tanki	
	Jumla ndogo Mifumo ya maji safi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



GROUND PLAN
SCALE: 1:100
TOTAL AREA = 377sqm

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

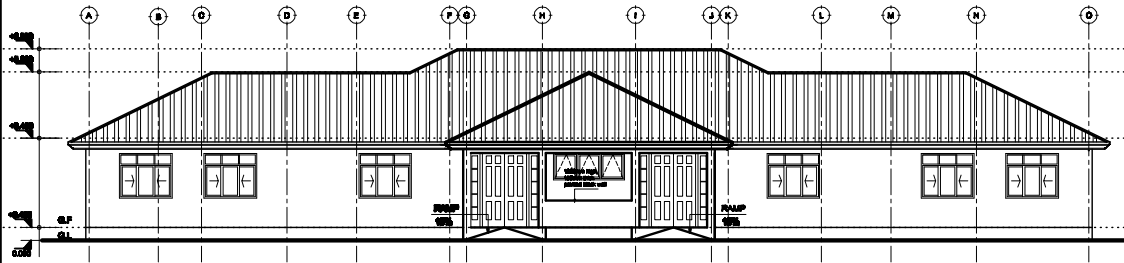
Client:
**PRESIDENT OFFICE, REGIONAL DEMONSTRATIVE
 AND LOCAL GOVERNMENT**
 Project:
PROPOSED HEALTH CENTER

IPD BLOCK
Ground Floor Plan

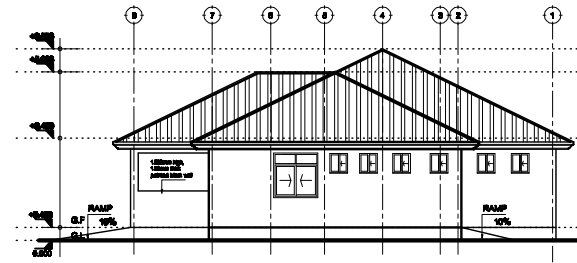
Project number: 2018 / 02 / 01
 Date: 02 FEBRUARY 2018
 Drawn by: DCNM
 Checked by: DCNM

A101

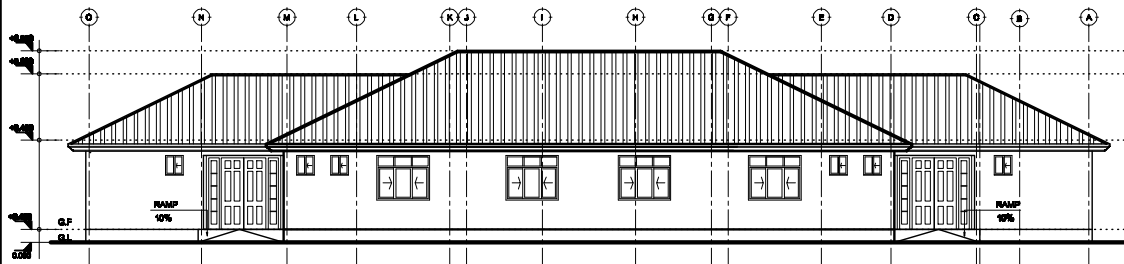
Scale: 1:100



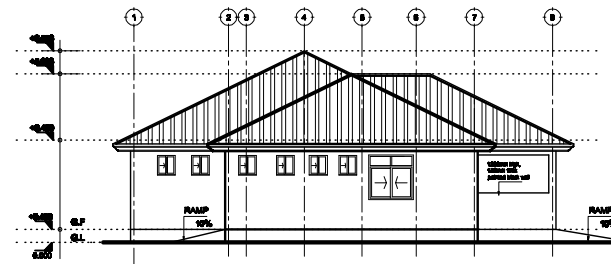
FRONT ELEVATION



RIGHT SIDE ELEVATION



REAR ELEVATION



LEFT SIDE ELEVATION

ELEVATIONS
SCALE: 1:100

Building Section
Policy and Planning Department
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Building,
P. O. Box 745,
40476 DODOMA

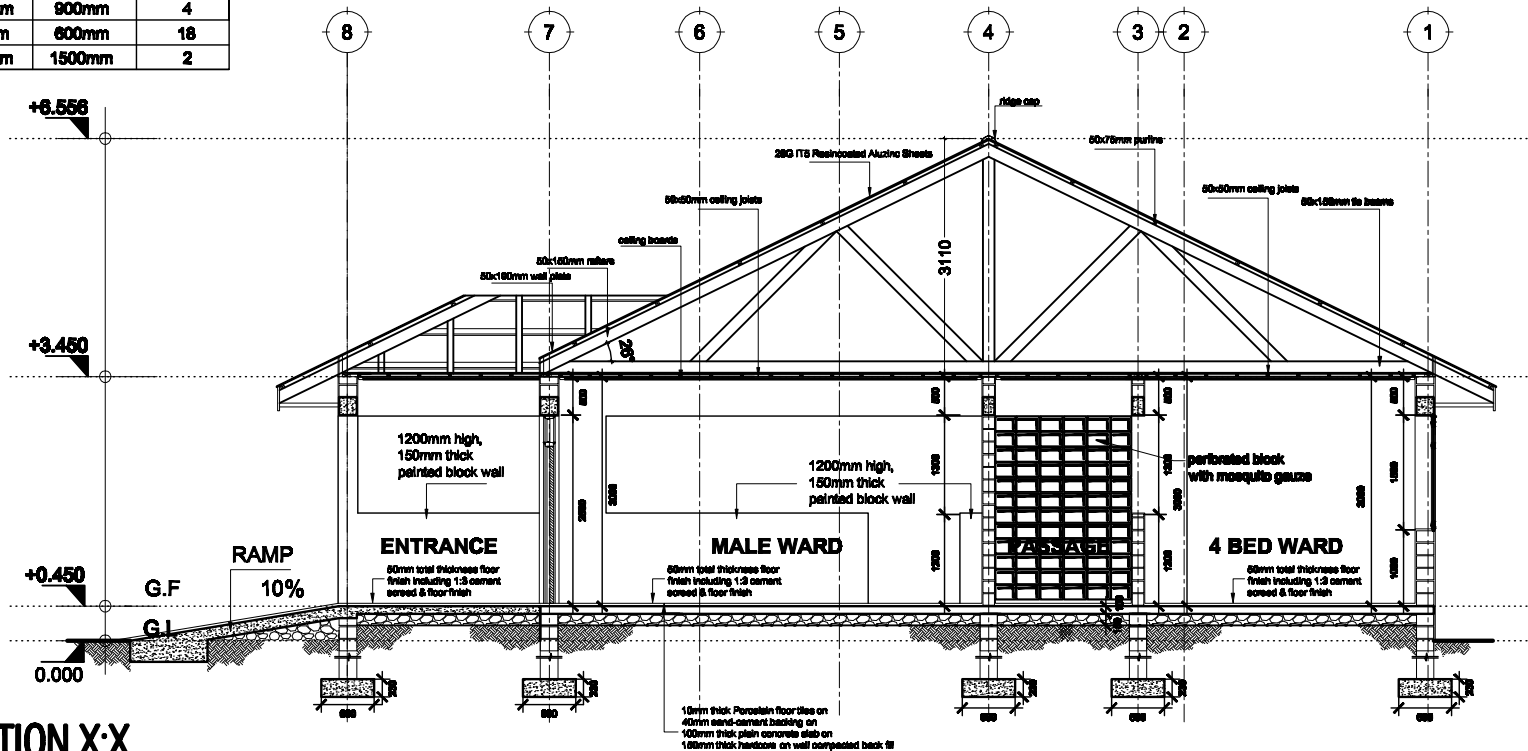
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No.	Description	Date

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

IPD BLOCK	
Elevations	
Project number 2018 / 02 / 01	A104
Date 02 FEBRUARY 2018	
Drawn by DCONI	Scale 1:100
Checked by DCONI	

DOOR & WINDOW SCHEDULE			
NO.	WIDTH	HEIGHT	TOTAL
D1	2300mm	2500mm	5
D2	1300mm	2500mm	5
D3	1000mm	2500mm	7
D4	1000mm	2100mm	7
W1	2400mm	900mm	1
W2	1800mm	1500mm	17
W3	2400mm	900mm	4
W4	600mm	600mm	18
W5	1000mm	1500mm	2



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,
40476 DODOMA

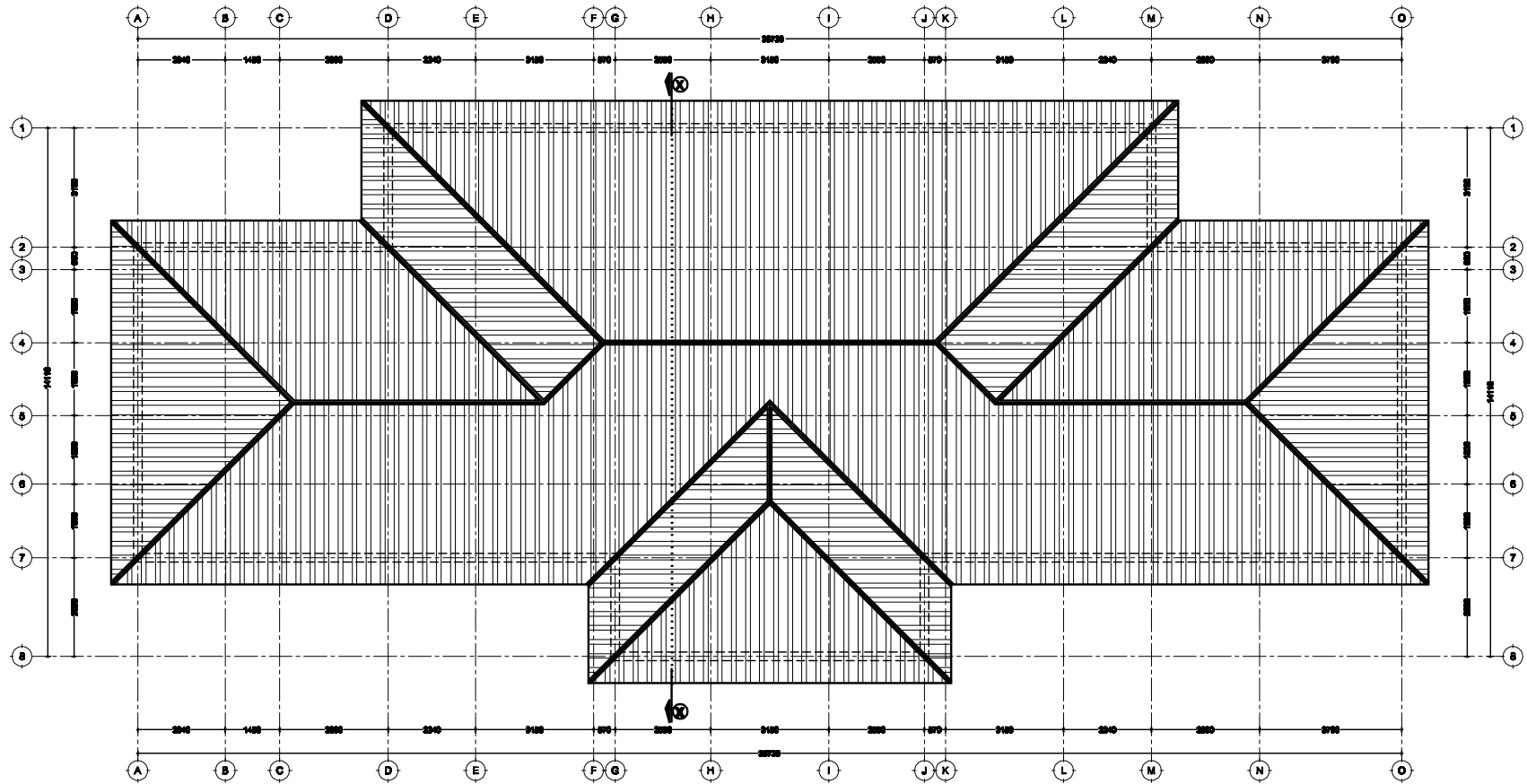
Approved

No.	Description	Date

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

IPD BLOCK
Section X:X

Project number	2018 / 02 / 01	A103
Date	08 FEBRUARY 2018	
Drawn by	DCNM	Scale 1:50
Checked by	DCNM	



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 745,
40476 DODOMA

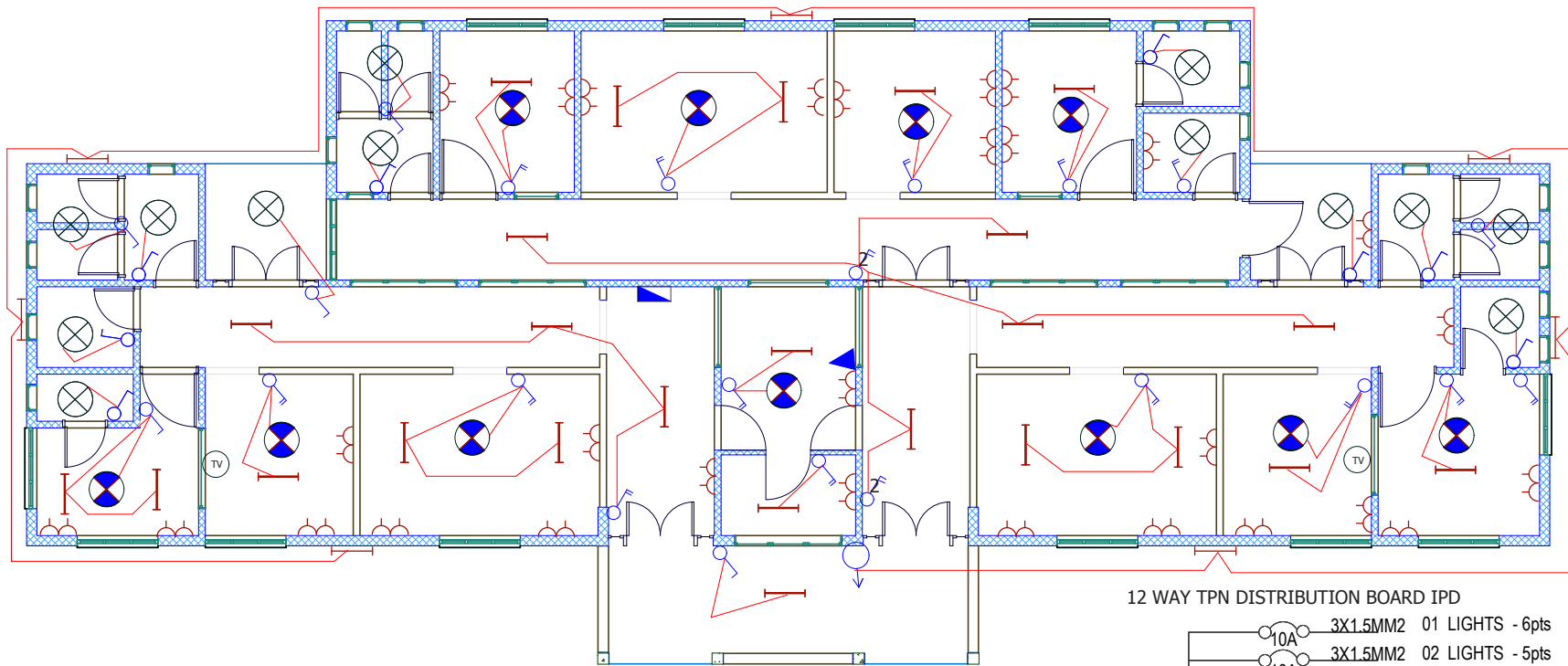
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No.	Description	Date

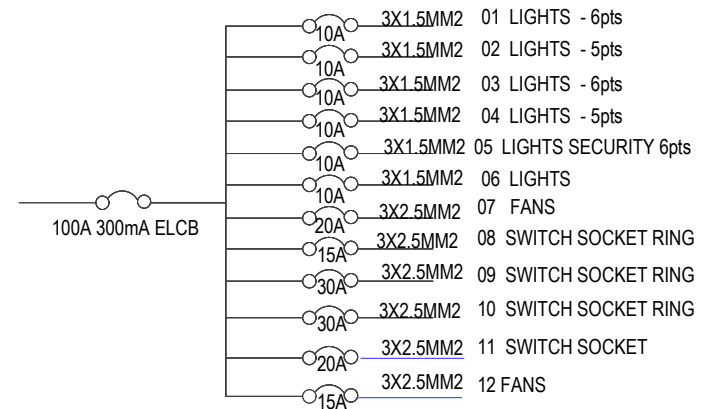
Client
**PRESIDENT OFFICE, REGIONAL DEMONSTRATIVE
AND LOCAL GOVERNMENT**
Project
PROPOSED HEALTH CENTER

**IPD BLOCK
Roof Plan**

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



12 WAY TPN DISTRIBUTION BOARD IPD






























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
 PROJECT:-
 PROPOSED HEALTH CENTER

ELECTRICAL PLAN	
IPD BLOCK	
Project No	
Date	6 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

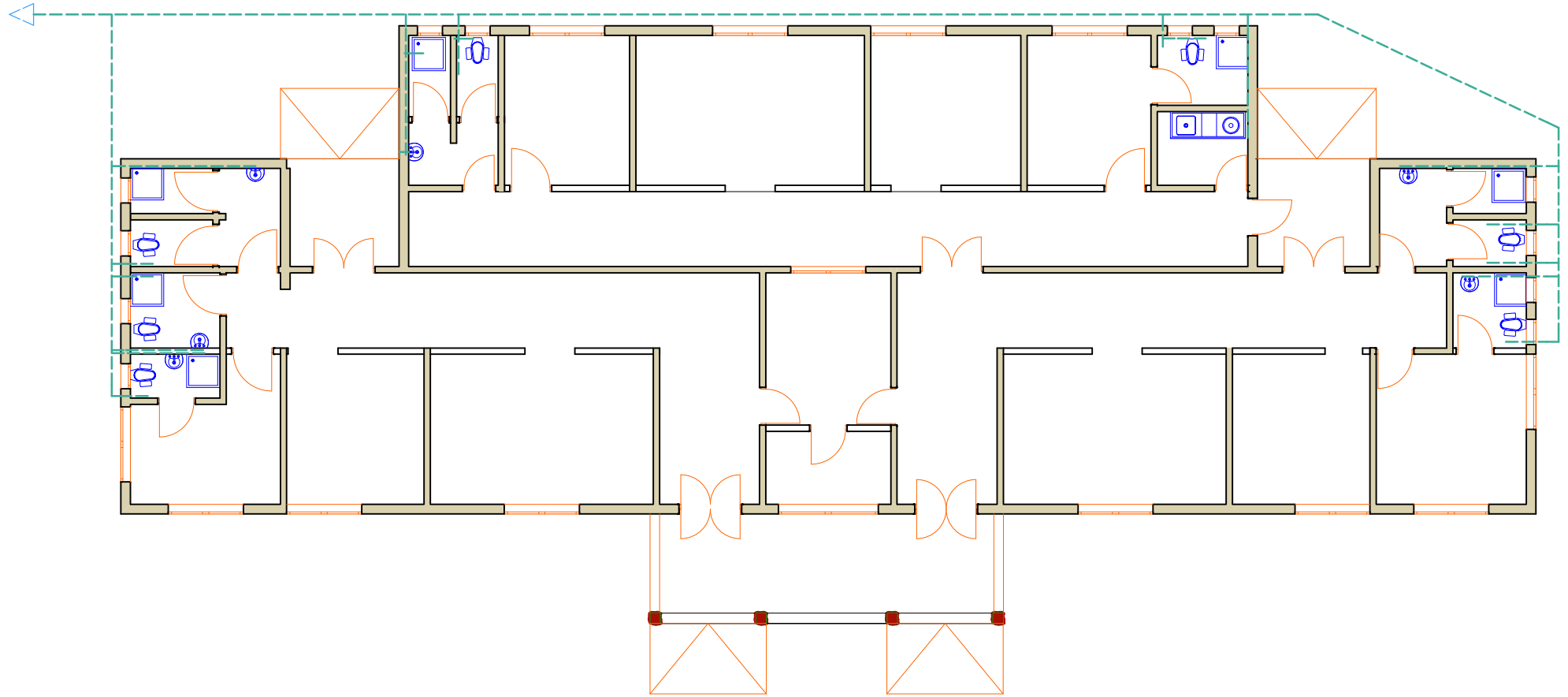
Building Section
 Policy and Planning Department,
 Ministry of Health, Community Development,
 Gender, Elderly and Children
 6 Samora Machel Avenue
 P.O. Box 9083, Dar es Salaam
 Tel +25522234000/5
 Fax +255222137591

Approved	NO	Description	Date

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

PROJECT:-
 PROPOSED HEALTH CENTER

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

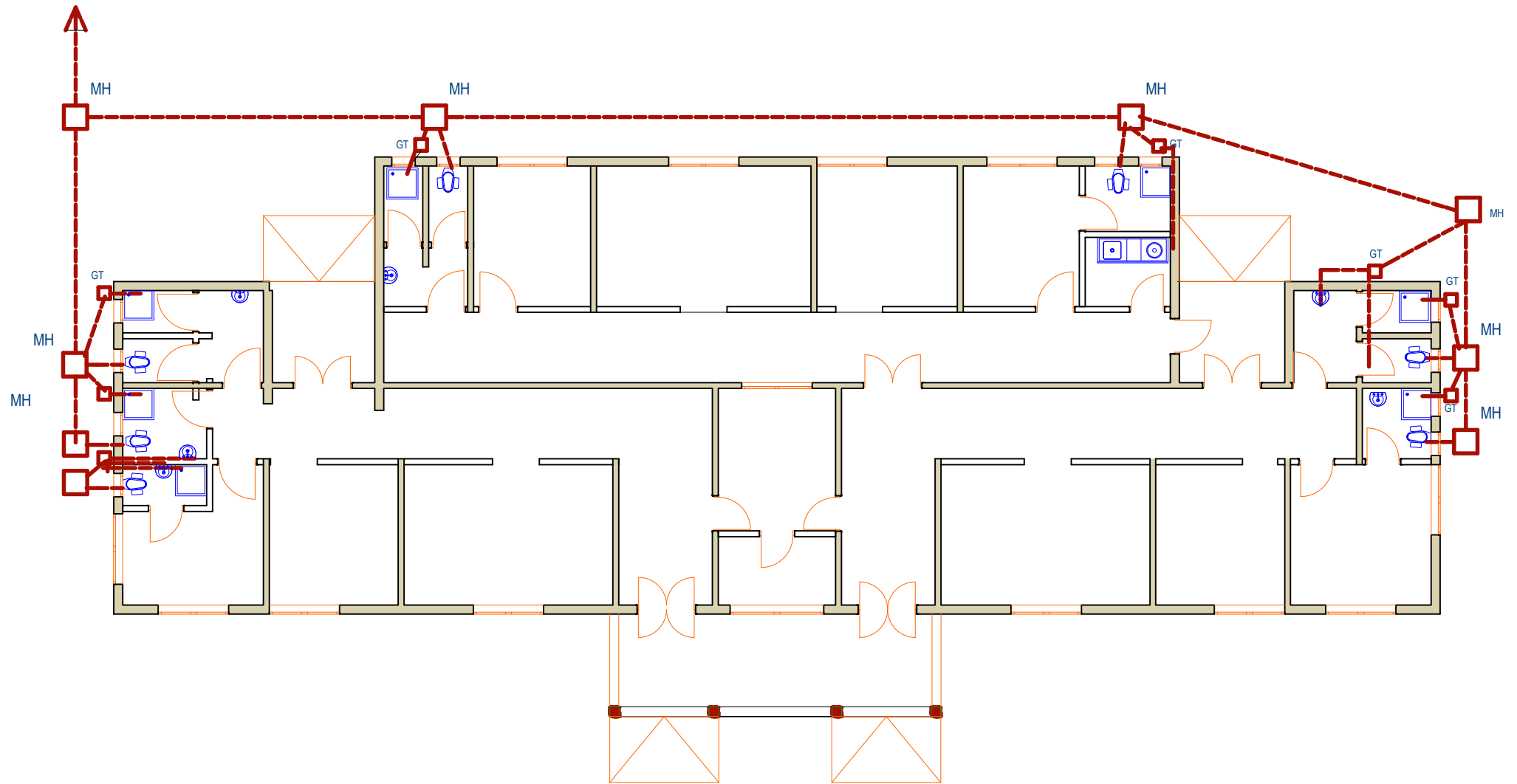


Building Section
 Policy and Planning Department
 Ministry of Health, Community Development,
 Gender, Eldery and Children.
 University of Dodoma,
 College of Humanities and Social Sciences 11th
 Building,
 P.O.Box 743,
 Dodoma

NO.	Description	Date

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 PRESIDENT OFFICE,
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 PROJECT
 PROPOSED HEALTH CENTRES

IPD BLOCK Water	
PROJECT NO.	
DATE FEBRUARY, 2018	
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 PROJECT
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IPD BLOCK
 Drain

PROJECT NO.	
DATE FEBRUARY, 2018	
DRAWN BY SUDI	
CHECKED BY SUDI	