

THE UNITED REPUBLIC OF TANZANIA



PRESIDENT'S OFFICE
REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT

REHABILITATION OF HEALTH CENTER'S

Schedule of Material, Labour & Drawings for RCH Block

PROJECT AREA

TANZANIA MAINLAND

Ministry of Health, Community,
Deleopment Gender, Elderly and Children,
University of Dodoma,
College of Humanities,
&Social Science 11th Building,
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President's Office,
Regional Administration,
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Mkapa House,
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APRIL, 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")	13	M ³		
	Sand	7	M ³		
	Cement-50kgs	59	Bags		
2	<u>Foundation Walls</u>				
	6" Cement & Sand Block	1,036	No		
	Sand	3.2	M ³		
	Cement -50kgs	18	Bags		
3	<u>Moram, Hardcore & Site sterilization</u>				
	Moram (4.5m ³ lorry)	11	Trips		
	Hadcore (4.5m ³ lorry)	4	Trips		
	Sand	5	M ³		
	Aldrin solution or equal and approved	833	Litres		
4	<u>Oversite Concrete (100mm thick - 15 grade) & Ground Beam - 20 grade</u>				
	DPM	107	M ²		
	Cement -50kgs	102	Bags		
	Aggregates (1/2")	18	M ³		
	Sand	9	M ³		
	Reinforcement - 16mm diameter high tensile	6	PC'S		
	Reinforcement - 12mm diameter high tensile	38	PC'S		
	Reinforcement - 8mm diameter	40	PC'S		
	Timber 1" X 8" (5.2m long)	10	PC'S		
	Timber 2" X 2"	15	PC'S		
	Nails-4"	10	Kgs		
	Nails-3"	10	Kgs		
	Supporting props	10	PC'S		
	SUB-TOTAL SUBSTRUCTURE				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
B.	SUPERSTRUCTURE				
1	<u>Walls & Ring beam</u>				
	6" Cement & Sand Block	1,888	No		
	Cement & Sand hollow Block	284	No		
	DPC (20m long)	4	Roll		
	Sand	12	M ³		
	Cement-50kgs	97	Bags		
	Aggregates (1/2")	6	M ³		
	Reinforcement - 12mm diameter high tensile	39	PC'S		
	Reinforcement - 8mm diameter	42	PC'S		
	Binding Wire - 1kg	15	Bundle		
	Timber 1" X 8" to Sides (5.2m long)	47	PC'S		
	Timber 1" X 5" (Plates)	5	PC'S		
	Timber 2" X 2"	35	PC'S		
	Supporting Props	105	PC'S		
	SUB-TOTAL SUPER STRUCTURE				
C.	ROOF STRUCTURE & COVERING				
1	<u>Roof Structure - Provisional</u>				
	Timber 2" X 3" Purlins	1,413	FT		
	Timber 2" X 4" King Post, wall plate and struss	561	FT		
	Timber 2" X 6" Rafter and Tie beam	663	FT		
	Fascia board 1" X 10" (5.2m long)	12	PC'S		
	Nails -5"	40	Kgs		
	Nails -4"	35	Kgs		
	Nails -3"	20	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	174	M ²		
	Hips/Ridge and valley - 28 G	12	PC'S		
	Roofing Nails	10	Packet		
	TO COLLECTION			C/F	

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
	ROOF STRUCTURE & COVERING CONT...				
				B/F	
1	Gutter's				
	Upvc 125mm half round (6m long)-5"	11	PC'S		
	Upvc 100mm diametre down pipe; Class B	4	PC'S		
	PVC outlet	4	PC'S		
	PVC bend 90'	4	PC'S		
	PVC bend 45'	4	PC'S		
	Gutter support bracket	52	PC'S		
	Gutter Clamp 3"	12	PC'S		
	Connector/reducer	6	PC'S		
	SUB-TOTAL ROOF STRUCTURE & COVERING				
E.	CEILING				
	Gypsum board -9mm thick	38	PC'S		
	Plain Cornice (8ft)	32	PC'S		
	Gypsum Screw 1" 800pcs/box	8	Box		
	Screw 1.25" 800pcs/box	2	Box		
	Gypsum powder	10	Bags		
	Fibre tape	4	Pcs		
	Treated softwood Timber 2" X 2"	1,068	FT		
	Nails 4"	15	Kgs		
	Nails 3"	10	Kgs		
	PVC ceiling with its fittings	34	Pc's		
	SUB-TOTAL FOR CEILING				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
F.	DOOR				
1	<u>40mm thick hardwood paneled door shutter</u>				
	900 x 2100 mm high	4	PC'S		
2	<u>Frames (hardwood),Varnish, Glass & Burglar bar</u>				
	900 x 2750mm high	4	PC'S		
	4mm thick clear glass to Vents	2	M ²		
	16 mm burglar bars	1	PC'S		
	Brush 3"	2	Pcs		
	Sand paper (msasa) No.80	5	LM		
	Clear Varnish - 4Litres	1	TIN		
	Thinner for Varnish -4Litres	1	Litres		
3	<u>IronMongeries</u>				
	Mortice lock Three lever - ref: union	4	No		
	Brass hinges - 100mm	6.0	Pairs		
	Wood Screw	1	Box		
	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 1460mm high	3	PC'S		
	800 X 1460mm high	8	PC'S		
2	<u>Supply and fix 4mm thick flat bar grill painted red-oxide</u>				
	1800 X 1460mm high	3	PC'S		
	800 X 1460mm high	8	PC'S		
	SUB-TOTAL FOR WINDOWS				
H.	FINISHING				
1	<u>Floor finishing - (ratio 1:6)</u>				
	Sand	5	M ³		
	Cement-50kgs	31	Bags		
	600 x 600Non slippery Porcelain floor tiles (1.46 Sqm/Box)	74	Box		
	Skirting (600 mm long; 25No/Box)	5	Box		
	Grout (1kg/packet)	4	Packet		
	Spacer	2	Packet		
2	<u>Wall Finishing</u>				
	Sand	9	M ³		
	Cement-50kgs	53	Bags		
	White cement - 50kg	8	Bags		
	Gypsum powder	11	Bags		
	Sand paper Msasa No.120	0.5	Roll		
	SUB-TOTAL FOR FINISHING				

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

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
K.	ELECTRICAL INSTALLATION				
1	Single flourescent fitting, approved philips or equal	15	No		
2	Double flourescent fitting, approved philips or equal	0	No		
3	Double switch sorcket	12	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	5	PC'S		
12	16mmsq 4 core cable	20	M		
13	1gang one way switch	0	No		
14	2gang two way switch	6	No		
15	20A DP switch	0	No		
16	Lan socket	5	No		
17	Gypsum light complete with energy saver 18w	0	No		
18	Earth rod approved copper not less than 1200mm	1	No		
19	Earth wire 4sqmm	30	M		
20	Plastic clips (22mm)	7	BOX		
21	Conduit pipe	120	PC		
22	Square box metal	0	PC		
23	Double box metal	12	PC		
23	Metal box single	11	PC		
24	Round cover	70	PC		
25	Junction box	60	PC		
26	Elbow	65	PC		
27	Conduit coupling	45	PC		
28	Fine screw	3	Packet		
29	Round Box	70	PC		
30	TV Socket	1	PC		
	SUB-TOTAL FOR ELECTRICAL INSTALLATION				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
L.	PLUMBING & SANITARY INSTALLATION-PROVISIONAL				
1	IPS pipe 1/2"	2	M		
2	IPS pipe 3/4"	4	M		
3	IPS Elbow 1/2"	4	PC'S		
4	IPS Elbow 3/4"	4	PC'S		
5	IPS tee 1/2"	2	PC'S		
6	IPS nipple 1/2"	4	PC'S		
7	IPS reducing bush 3/4" - 1/2"	2	PC'S		
8	IPS union 3/4"	0	PC'S		
9	IPS connector 3/4"	2	PC'S		
10	Angle valve 1/2"	0	PC'S		
11	IPS socket 1/2"	4	PC'S		
12	Bib tape pex 1/2"	4	PC'S		
13	Thread seal tape	10	PC'S		
14	Kitchen Sink single bowl complet with all necessary accessories and its fittings	4	PC'S		
15	PVC pipe 1 ^{1/2} "	4	m		
16	PVC tee 1 ^{1/2} "	4	PC'S		
17	PVC bend 1 ^{1/2} "	4	PC'S		
18	PVC plug 1 ^{1/4} "	4	PC'S		
19	PVC glue	1	TIN		
20	PVC socket female 1 ^{1/4} "	4	PC'S		
	SUB-TOTAL FOR PLUMBING AND SANITARY INSTALLATION				

	<u>GENERAL SUMMARY</u>	AMOUNT
		TZS
	<u>RCH 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

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 za msingi (1036 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 (1888 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>	
1	Kuezeka na ufungaji wa gata	
	Jumla ndogo kunyanyua jengo	
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>Umalizaji (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) -	

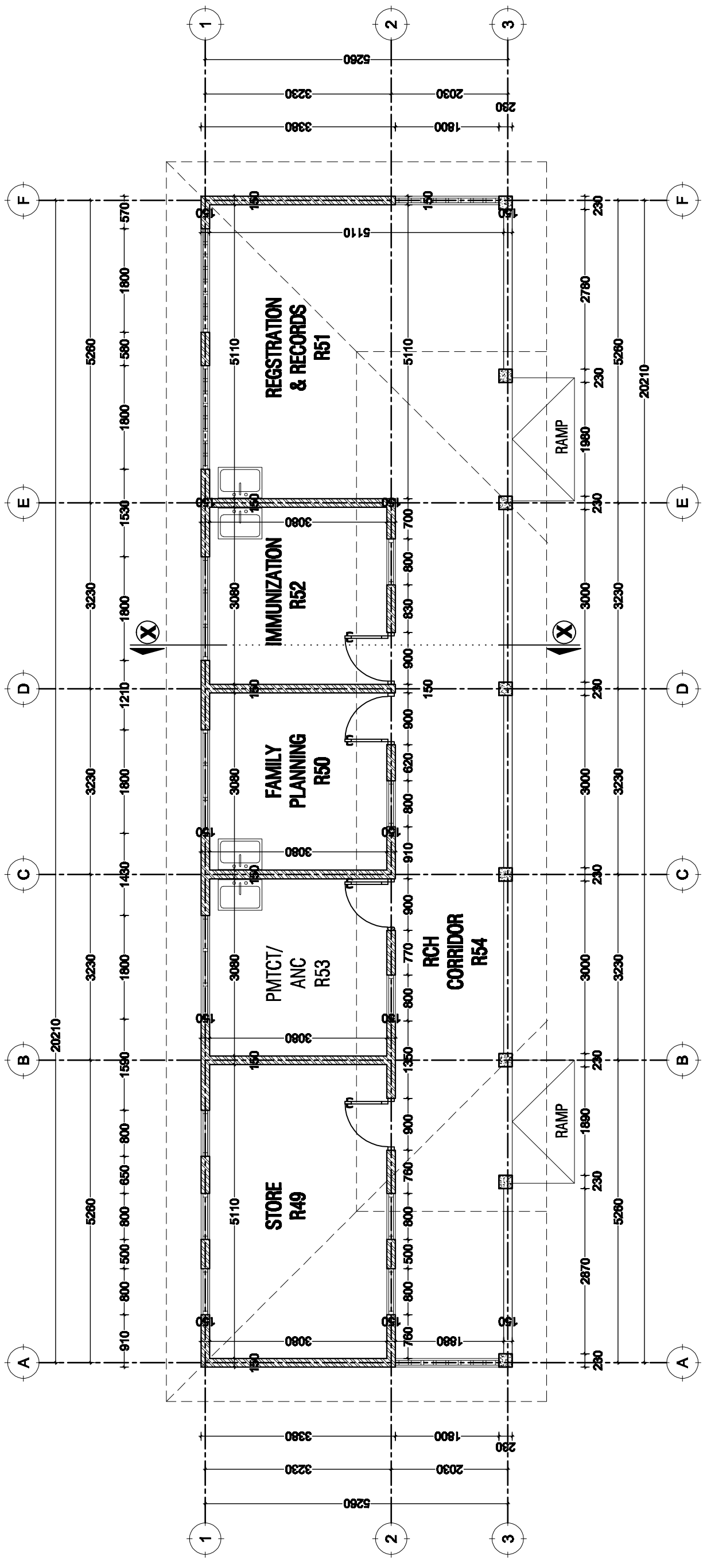
Na.	AINA YA KAZI	BEI YA UFUNDI - Shs
	Dali:	
6	Ufungaji wa mbao za dali (Branding)	
7	Uwekaji wa dali na mikanda ya gypsum	
8	Uwekaji wa dali ya pvc kuzunguka nyumba kwa nje	
9	Uwekaji wa vigae katika kuta na upakaji grout	
	Jumla ndogo umalizaji(finishing)	
F.	<u>Rangi na Mapambo (Painting & Decoration)</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>	
4	Msingi wa nyumba	
5	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	
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.	Kuezeko (Roof structure and covering)	
D.	Milango	
E.	Umaliziji (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

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,
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 40476 DODOMA

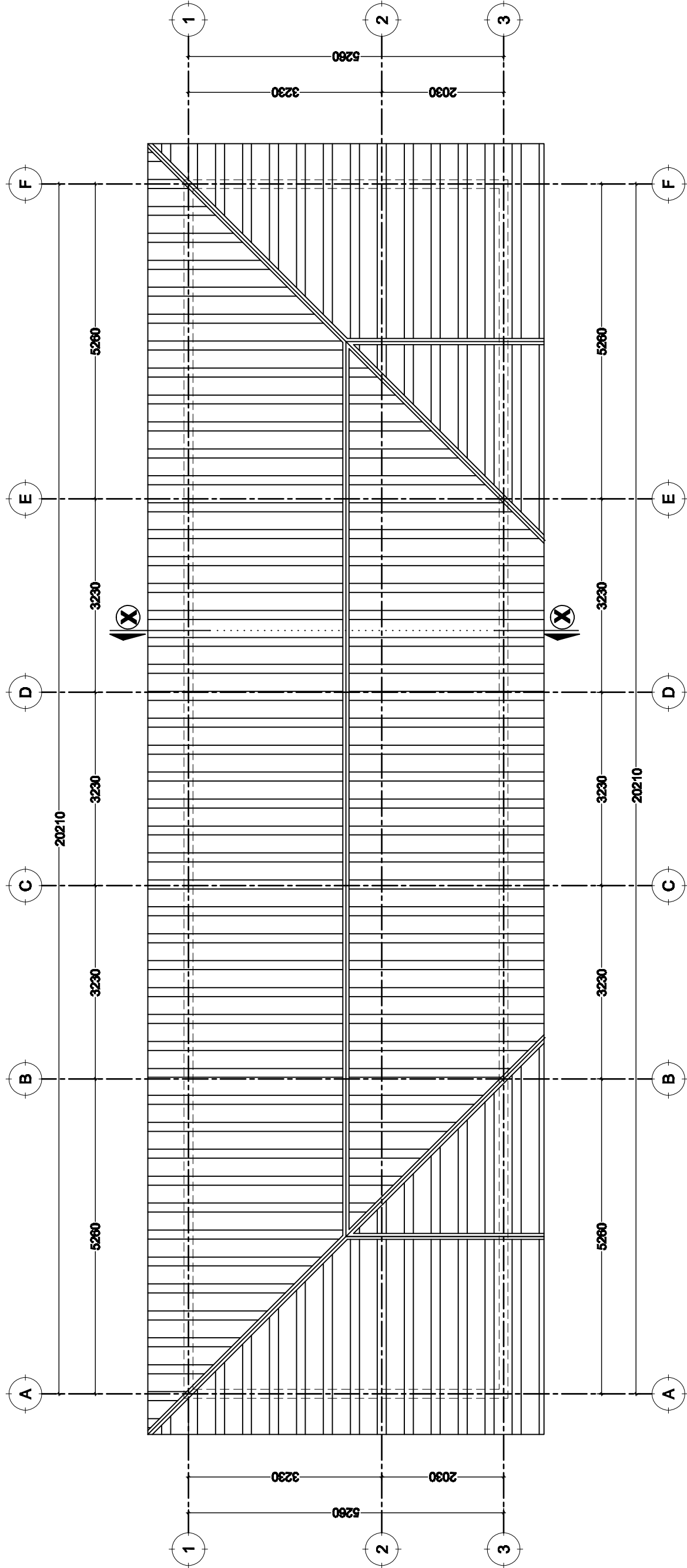
Approved

No.	Description	Date

Client:
**MINISTRY OF HEALTH, COMMUNITY DEVELOPMENT,
 GENDER, ELDERLY AND CHILDREN**
 Project:
PROPOSED RURAL HEALTH CENTER

RCH BUILDING Ground Floor Plan

Project number 2017/05/02
 Date 18 OCTOBER 2017
 Drawn by DCNM
 Checked by DCNM
 Scale 1:100
 A102



ROOF PLAN
SCALE: 1:100

Building Section
 Policy and Planning Department
 Ministry of Health, Community Development,
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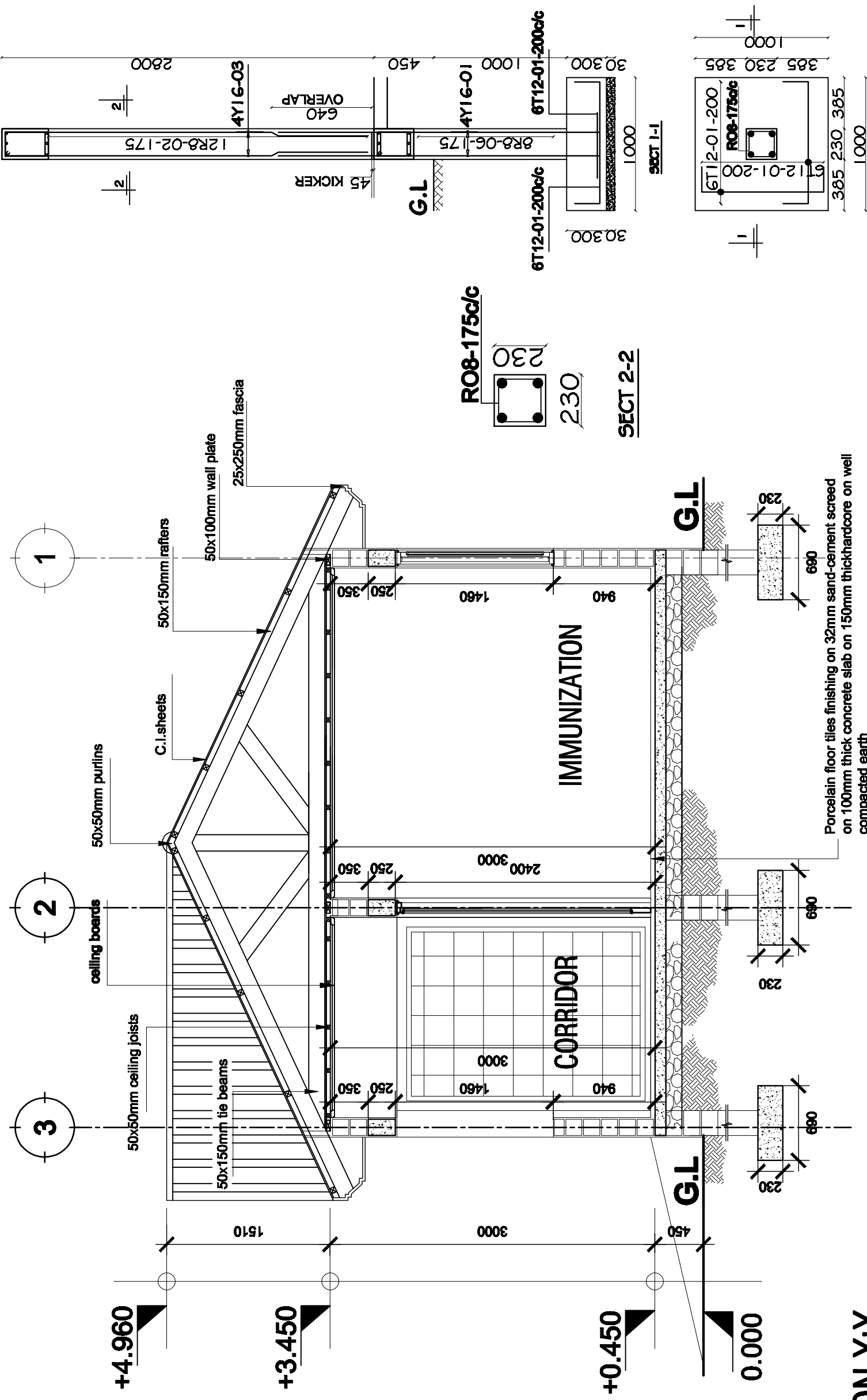
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No.	Description	Date

Client:
**MINISTRY OF HEALTH, COMMUNITY DEVELOPMENT,
 GENDER, ELDERLY AND CHILDREN**
 Project:
PROPOSED RURAL HEALTH CENTER

RCH BUILDING
Roof Plan
 Project number 2017 / 05 / 02
 Date 18 OCTOBER 2017
 Drawn by DGNM
 Checked by DGNM
 Scale 1:100

A103



SECTION X:X
SCALE: 1:75

COLUMN DETAILS: 1000X1000X300 (6No)

Building Section
Policy and Planning Department
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40476 DODOMA

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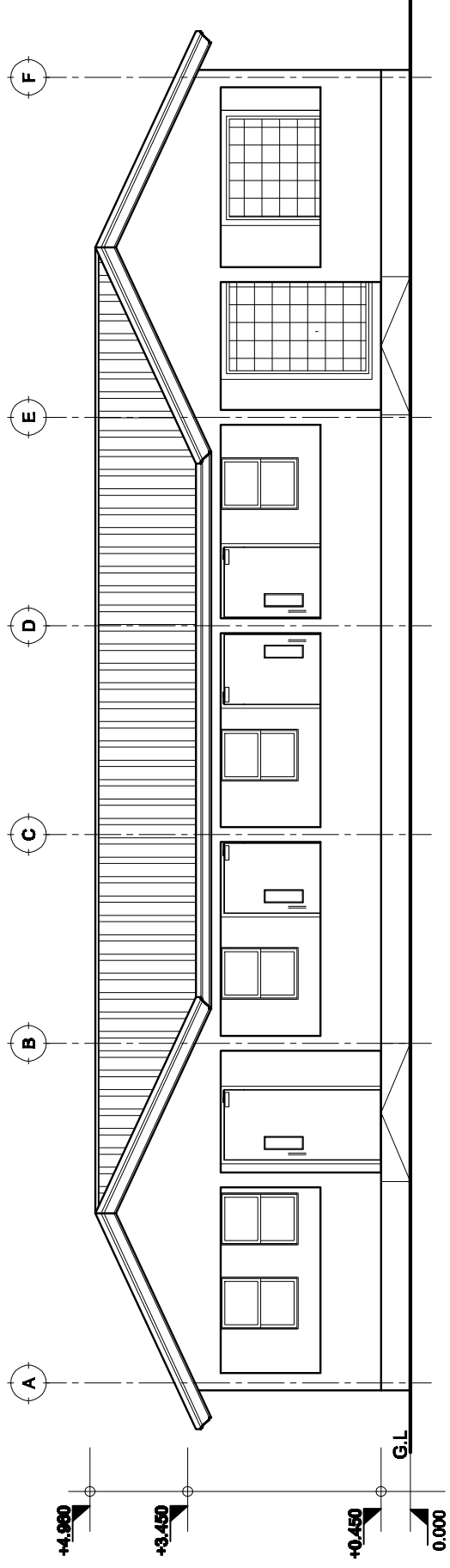
No.	Description	Date

Client:
**MINISTRY OF HEALTH, COMMUNITY DEVELOPMENT,
GENDER, ELDERLY AND CHILDREN**
Project:
PROPOSED RURAL HEALTH CENTER

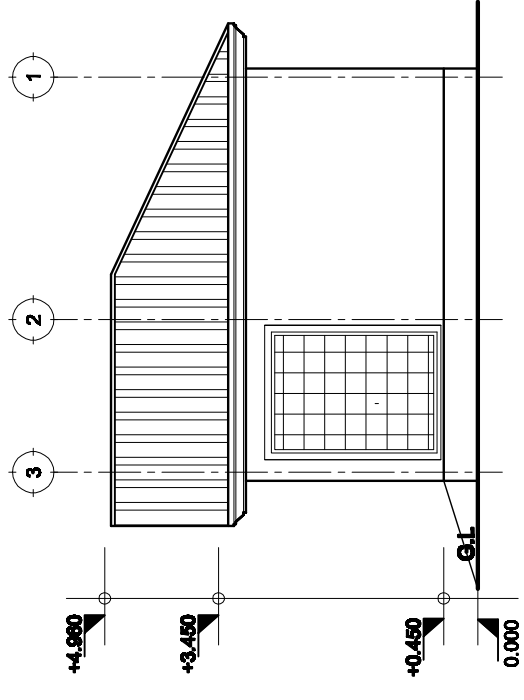
RCH BUILDING
Section X:X

Project number 2017/05/02
Date 18 OCTOBER 2017
Drawn by DCNM
Checked by DCNM
Scale 1:75

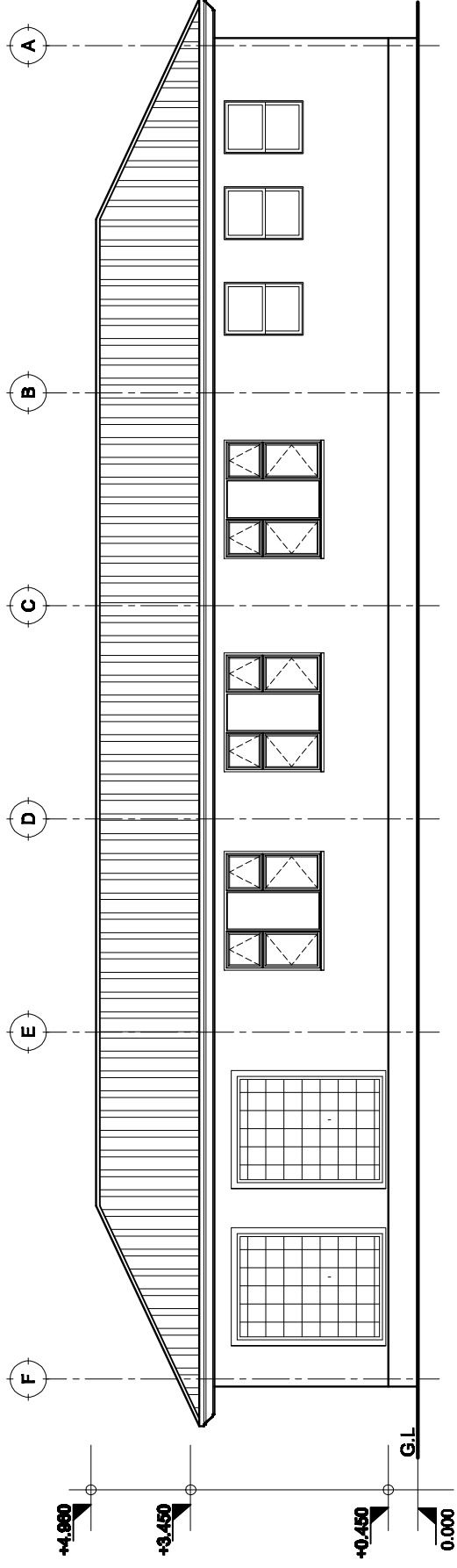
A104



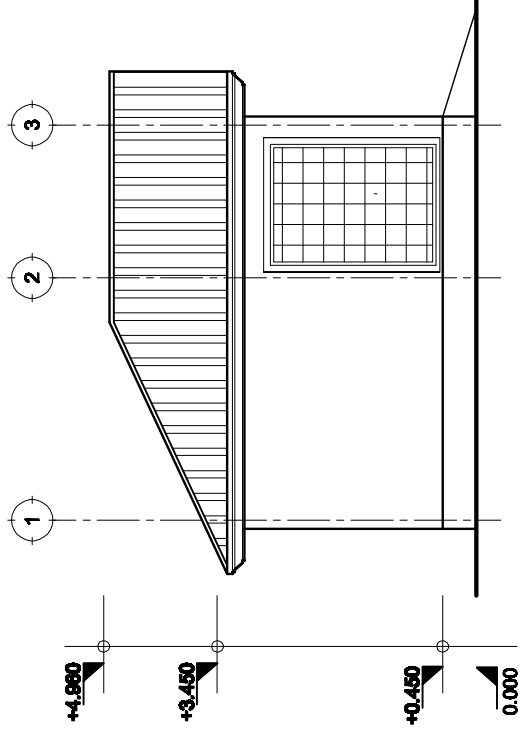
FRONT ELEVATION



RIGHT SIDE ELEVATION



REAR ELEVATION



LEFT SIDE ELEVATION

ELEVATIONS
SCALE: 1:100

Building Section
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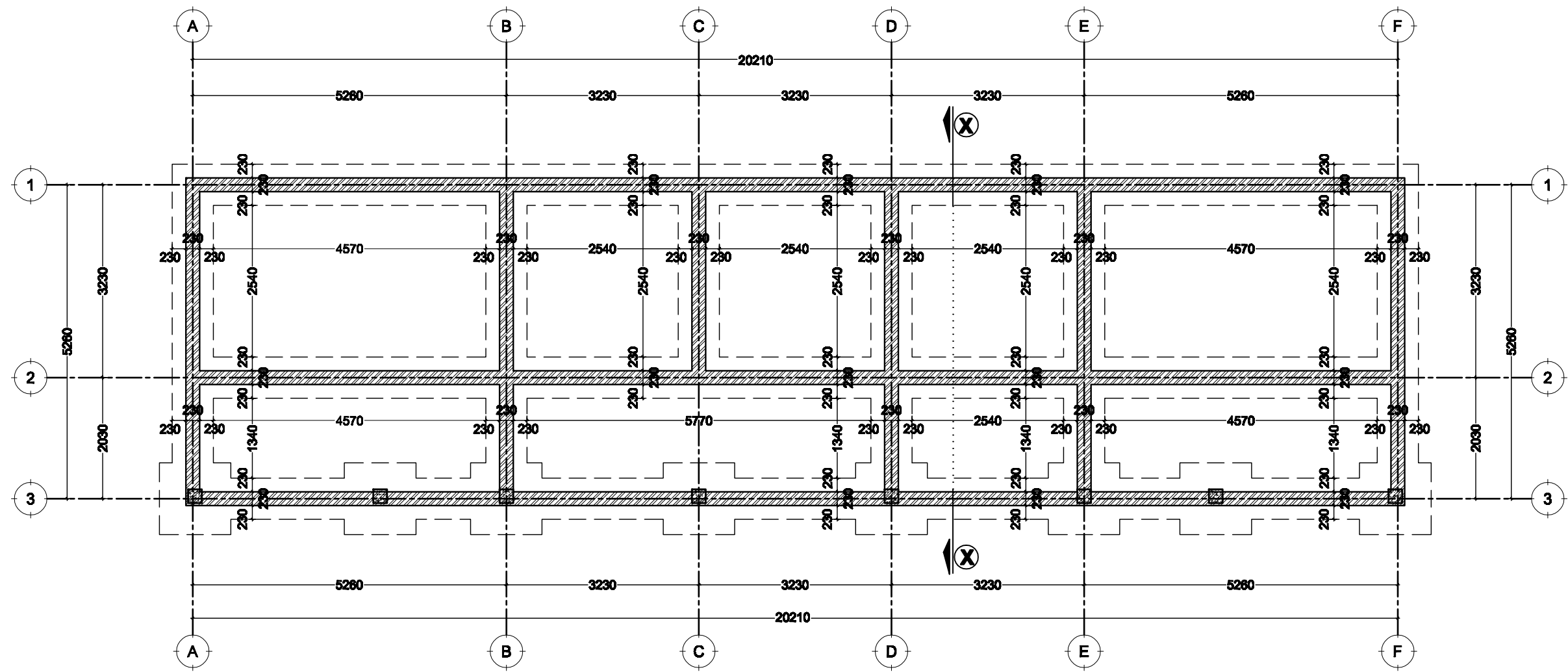
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No.	Description	Date

Client
**MINISTRY OF HEALTH, COMMUNITY DEVELOPMENT,
GENDER, ELDERLY AND CHILDREN**
Project
PROPOSED RURAL HEALTH CENTER

RCH BUILDING
Elevations
Project number 2017 / 06 / 02
Date 18 OCTOBER 2017
Drawn by DCNM
Checked by DCNM
Scale 1:100

A105



FOUNDATION PLAN

SCALE: 1:100

Building Section
 Policy and Planning Department
 Ministry of Health, Community Development,
 Gender, Elderly and Children
 University of Dodoma
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 Building,
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 40478 DODOMA

Approved

No.	Description	Date

Client
 MINISTRY OF HEALTH, COMMUNITY DEVELOPMENT,
 GENDER, ELDERLY AND CHILDREN
 Project
 PROPOSED RURAL HEALTH CENT

RCH BUILDING Foundation Plan

Project number 2017 / 05 / 02
 Date 18 OCTOBER 2017
 Drawn by DCNM
 Checked by DCNM

A101

Scale 1: 100