

**THE UNITED REPUBLIC OF TANZANIA
MINISTRY OF HEALTH, COMMUNITY DEVELOPMENT, GENDER,
ELDERLY AND CHILDREN**



CONTRACT DOCUMENT

SHINYANGA REGIONAL REFERRAL HOSPITAL

CONTRACT NUMBER: ME/SRRH/007/2021/2022/W/08

FOR

**PROVISION OF LABOUR FOR PROPOSED CONSTRUCTION OF X-RAY AND CT-SCAN
BUILDING AT SHINYANGA REGIONAL REFERRAL HOSPITAL**

EMPLOYER :
Medical Officer Incharge,
Shinyanga Regional Referral Hospital,
P.O.Box-17,
SHINYANGA

CONTRACTOR:
Nlungamo Investment Company Ltd
P.O.Box 2193
SHINYANGA.

MARCH 2022

Appendix B: Key Personnel

3. The mutual rights and obligations of the Employer and the Service Provider shall be as set forth in the Contract, in particular:
- a) The Service Provider shall carry out the Services in accordance with the provisions of the Contract; and
 - b) the Employer shall make payments to the Service Provider in accordance with the provisions of the Contract.

IN WITNESS WHEREOF, the Parties hereto have caused this Contract to be signed in their respective names as of the day and year first above written.

SIGNED by the said the Medical Officer In charge Shinyanga Regional Referral Hospital P. O. Box 17 SHINYANGA For and on behalf of *Employer*:

Name Dr. Richard Mhazwa

Signature [Signature]

Occupation Ag mo Yc

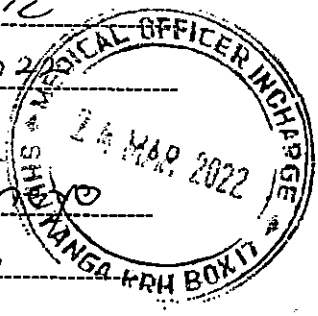
Date 24/03/2022

In the Presence of:

Name Beeborce Chinyo

Signature [Signature]

Designation HBO



SIGNED by the said Managing Director, Ntungamo Investment Company Ltd, P.O. Box 2193 SHINYANGA for and on behalf of *the Service Provider*:

Name GERAS MOLAND Kumpunga

Signature [Signature]

Occupation AG M-D

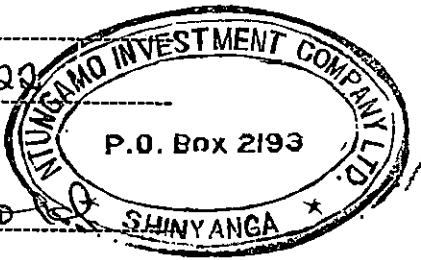
Date 24/03/2022

In the Presence of:

Name Kato Leopold

Signature [Signature]

Designation Fundi



SHINYANGA REGIONAL REFERRAL HOSPITAL

Telegrams "AFYA" Shinyanga
Phone No: 028 -2763283
Fax No: 028 - 2763283
Email: nshinyangarrh@afya.go.tz



Regional Referral Hospital
P.O.BOX 17,
Shinyanga .
22.03.2022.

LETTER OF ACCEPTANCE:

TO: M/S NTUNGAMO INVESTMENT COMPANY LTD,
P.O.BOX 2193,
SHINYANGA.

RE: PROVISION OF LABOUR FOR PROPOSED CONSTRUCTION OF X-RAY AND
CT-SCAN BUILDING AT SHINYANGA REGIONAL REFERRAL HOSPITAL:

This is to notify you that your quotation dated March, 2022 for the Provision of Labour for Proposed Construction of X-Ray and Ct-Scan Building at Shinyanga Regional Referral Hospital for the contract price of Tshs 55,365,000 (Fifty-five million three hundred sixty-five thousand only) as corrected and modified in accordance with the instruction to Bidder is hereby accepted by our agency.

You are required to sign the contract Agreement and commence the services as you will be instructed from the date of signing the contract.

.....*Richard*.....

Dr.Richard Mhangwa

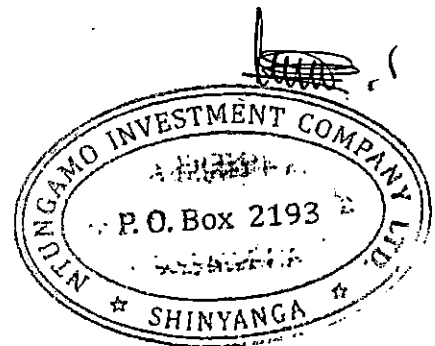
Acting:Medical Officer Incharge

Shinyanga Regional Referral Hospital

MEDICAL OFFICER INCHARGE
SHINYANGA REGIONAL REFERRAL
HOSPITAL

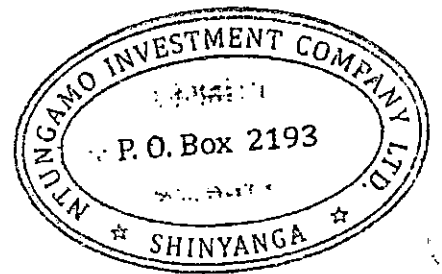
SECTION IV: GENERAL CONDITIONS OF CONTRACT

**GHARAMA ZA AWALI (PRELIMINARIES) JENGO LA
RADIOLOJIA-SCHEDULE OF LABOUR**

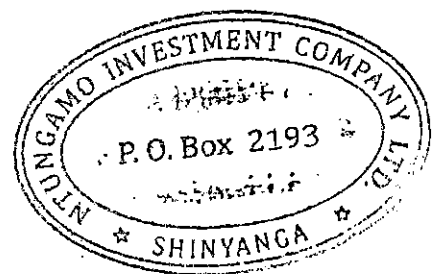


Na	MAELEZO YA KAZI	Tsh
B	Kuchimba mashimo, kusimika mirunda, kumwaga zege, kugongelea mbao pamoja na bati pamoja na kuezeka kwenye store ya kuhifadhia material site, wastani wa (5x4)m	300,000/-
C	Kuweka screed floor kwenye store ya wastani wa 5x4m	100,000/-
	Kuweka screed floor kwenye store ya wastani wa 5x4m	100,000/-
E	Kufunga milango ya bati kwenye store.	50,000/-
	Jumla	550,000/-

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GHARAMA ZA UFUNDI WA JENGO LA RADILOJIA

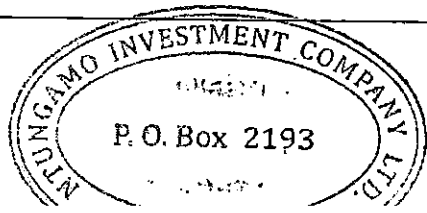


GHARAMA ZA UFUNDI UJENZI WA JENGO LA RADIOLOJIA-HOSPITALI YA RUFEE YASHINYANGA RRH

Na	AINA YA KAZI	BEI YA UFUNDI
1	Msingi wa JenGO (sub structure)	
i	Kusafisha eneo kwa kuondoa miti, visiki na kutoa uchafu eneo la ujenzi (257m ²)	300,000/=
ii	Kuchimba na kuondoa udongo wa mweusi (rutuba) wastani wa 150mm (257m ²)	300,000/=
i	Kuseti jengo	400,000/=
ii	Uchimbaji wa msingi (isizidi 1.5m)-50m ³	450,000/=
	Uchimbaji wa mashimo ya nguzo (isizidi 1.5m)-1m ³	200,000/=
ii	Kuvunja Mawe kama yapo	150,000/=
iii	Kufukia na kushindilia msingi -23m ³	250,000/=
	Kuondoa kifusi kilichozidi na kisichohitajika eneo la ujenzi-28m ³	200,000/=
B	Usukaji wa nondo katika	
i	Kitako cha nguzo (column base) kulingana na mchoro	150,000/=
ii	Nguzo wa wima za msingi (column starter) kulingana na mchoro	200,000/=
iii	Nguzo mlalo za kwenye msingi (Ground beam) kulingana na mchoro.	1,200,000/=
C	Kufunga na kuondoa mbao	
i	Pembezeni mwa jamvi (60m)	800,000/=
ii	Pembezeni mwa nguzo wima za msingi, pembezeni mwa nguzo mlalo za msingi pamoja na pembeni mwa kitako cha nguzo (column base)-75m ²	750,000/=
D	Kumwaga zege	
i	Chini kwenye kitako cha msingi (strip foundation)-21m ³	2,000,000/=
ii	Chini kwenye kitakocha nguzo (column base)-1m ³	200,000/=
iii	Katika nguzo wima za awali (column starter)-1m ³	200,000/=
iv	Katika nguzo mlalo za kwenye msingi (ground beam)-8m ³	950,000/=

v	Kwenye jamvi (oversite concrete)-211m ²	3,000,000/=
vi	Katika njia panda (Ramp)-8m ²	500,000/=
vi	Umwagiliaji maji	200,000/=
E Kuta za msingi		
i	Ujenzi wa kuta za msingi (tofali za kulala)-85m ²	1,200,000/=
F Upangaji na ushindilaji		
i	Upangaji wa mawe(178m ²) na utandazaji wa DPM (500gauge)-211m ²	750,000/=
ii	Uwekaji wa kifusi nkushindilia katika misingi,mashimo ya nguzo na na kwenye jamvi kutumia Kifusi kilichokubalika (300mm) - 178m ²	500,000/=
iii	Uwekaji wa sumu ya mchwa kwenye jamvi(178m ²) na pembezoni mwa kuta za msingi (21m)	100,000/=
JUMLA KATIKA MSINGI WA JENGO (SUB STRUCTURE)		14,950,000/=

2	Kunyanyua jengo (super structure)	
A	Kusuka nondo katika	
i	Nguzo wima Kutoka kwenye jamvi hadi katika nguzo mlaloza kupokea paa (roof beam)	200,000/=
ii	Kwenye nguzo mlalo	1,800,000/=
iii	Katika Ramp na ngazi (steps)	150,000/=
B Kufunga na kuondoa mbao		
i	Katika nguzo wima Kutoka kwenye jamvi hadi kwenye nguzo mlalo za kupokea paa-16m ²	350,000/=
ii	Katika pande za wima za Nguzo mlalo za kupokea paa (Roof beam)-73m ²	800,000/=
	Kwa chini mwa Nguzo mlalo za kupokea paa (Roof beam)-26m	400,000/=
iv	Katika Ramp ngazi (steps) na Cill za madirisha 26m	500,000/=
C Kumwaga zege		

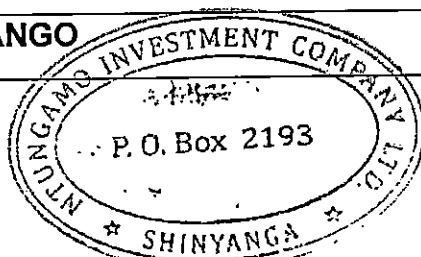


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i	Katika nguzo wima Kutoka kwenye jamvi hadi kwenye nguzo mlalo za kupokea paa (Roof beam)-1m ³	150,000/=
ii	Katika Nguzo mlalo za kupokea paa (roof beams)-7m ³	1,500,000/=
iii	Katika Ramp na ngazi (steps)-1m ³	150,000/=
D Ujenzi wa kuta		
i	Uwekaji wa DPC-108m	200,000/=
ii	Katika kuta za nje-82m ²	950,000/=
iii	Katika kuta za ndani-249m ²	2800,000/=
JUMLA YA KUNYANYUA JENGO (SUPERSTRUCTURE)		9,950,000/=

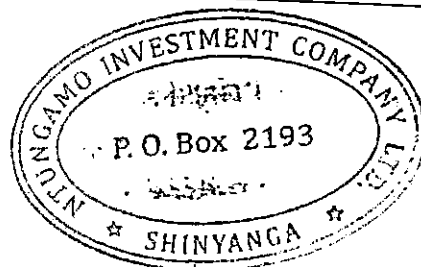
3	Kuezeka (Roof structure)	
i	Kutengeneza kenchi za mbao kwa kufuata mchoro	600,000/=
ii	Kupandisha kenchi za mbao kwenye jengo	400,000/=
iii	Kuezeka-229m ²	1,100,000/=
iv	Kufunga matega maji (gutters & downpipes) kuzunguka jengo na kulingana na mchoro.	300,000/=
JUMLA NDOGO KUEZEKA		2,400,000/=

4	MILANGO	
i	Kufitisha fremu za milango kulingana na mchoro -71m	250,000/=
ii	Kuweka urembo wa pembeni mwa fremu za mbao (Architrave)-65m	200,000/=
iii	Kufunga milango (shutters) pamoja na bawaba na Vitasa vyake vyote-9Nos	360,000/=
iv	Kufunga mlango wa Steel X-ray	300,000/=
v	Kuweka majina kwenye milango yote pamoja na Alama kwenye milango na maeneo yatakayotakiwa (Name plates and Signs)	500,000/=
JUMLA NDOGO MILANGO		1,610,000/=



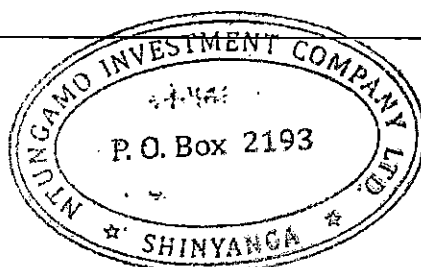
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5	MADIRSHA	
i	Kufitisha madirisha ya chuma (grill)-7 kulingana na vipimo	
	JUMLA NDOGO MADIRISHA	210,000/=
6	UMALIZIAJI (Finishing)	210,000/=
A	Upigaji wa lipu pamoja kutengeneza koplo	
i	Nje ya jengo-219m ²	
ii	Ndani ya jengo-521m ²	1,200,000/=
iii	Nguzo wima-10m ²	2,150,000/=
iii	Kwenye kuta za Varanda-15m ²	200,000/=
iii	Kwenye nguzo mlalo (lenta)-9m ²	250,000/=
	Nguzo za mbele za jengo-15m ²	200,000/=
B	Vigae kwenye Sakafu	250,000/=
i	Uwekaji wa sakafu ya kupokea vigae-211m ²	
ii	Uwekaji wa vigae pamoja na grout katika sakafu (floor tiles)-211m ²	840,000/=
iii	Uwekaji wa vigae vya skirting-203m	1,500,000/=
iv	Uwekaji wa vigae kwenye ngazi-39m	350,000/=
v	Uwekaji wa vigae kwenye ngazi mlalo(Ramp)-11m ²	200,000/=
		150,000/=
B	Vigae kwenye Ukuta	
	Uwekaji wa vigae pamoja grout katika kuta za vyooni na mabafuni (wall tiles)-101m ²	650,000/=
C	DARI	
i	Ufungaji wa mbao za dari (brandering) pamoja na gypsum bords -211m ²	1,200,000/=
ii	Ufungaji mikanda-266m	250,000/=
iii	Uwekaji wa mlango wa dari-1(mmoja)	30,000/=
	JUMLA NDOGO YA UMALIZIAJI JENGO (FINISHING)	9,420,000/=



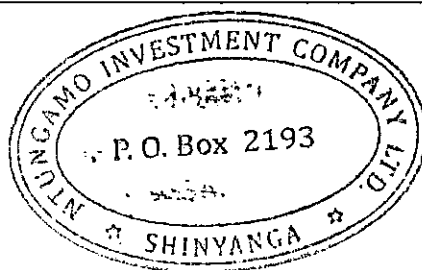
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7	Rangi na Mapambo (painting & Decorations)	
A	Kupaka rangi ,mikono mitatu pamoja na Skimming	
	Nje ya jengo-219m ²	450,000/=
	Ndani ya jengo-789m ²	1,600,000/=
	Nguzo wimaza mbele-10m ²	50,000/=
	Kwenye kuta za Varanda-15m ²	100,000/=
	Kwenye nguzo mlalo (lenta)-11m ²	100,000/=
	Fremu za milango-51m	100,000/=
	Cill za madirisha-26m	150,000/=
	Kwenye dari-211m ²	7400,000/=
B	Kupaka rangi ,mikono mitatu katika	
i	Msingi wa nyumba	150,000/=
ii	Fascia board na roof vent	50,000/=
iii	Madirisha ya chuma (grill)	250,000/=
	JUMLA NDOGO YA RANGI NA MAPAMBO	3,400,000/=
8	UMEME (electrical installation)	
i	Usukaji wa umeme awamu ya kwanza (conduit na box) hii ikujumuisha na pointi za DP za AC,ICT etc, pamoja na uwekaji wa panel zote kulingana na mchoro wa engineer wa services kulingana na mchoro	300,000/=
ii	Usukaji wa umeme awamu ya pili (2 nd fix) kulingana na mchoro	1500,000/=
iii	Ufungaji wa vifaa vyote vya umeme (fittings) kulingana na mchoro	1000,000/=
iv	Kuandaa nyaraka za kukabidhi kazi kama Michoro ya kama ilivyojengwa, test results na ripoti za mafunzo ya utumiaji wa mfumo.	200,000/=
	JUMLA NDOGO UMEME (ELECTRICAL INSTALLATION)	3,000,000/=
10	ICT INSTALLATION	
i	Usukaji wa mfumo wa ICT (2 nd fix) kulingana na mchoro	500,000/=
ii	Ufungaji wa vifaa vyote vya ICT (fittings) kulingana na mchoro	1500,000/=



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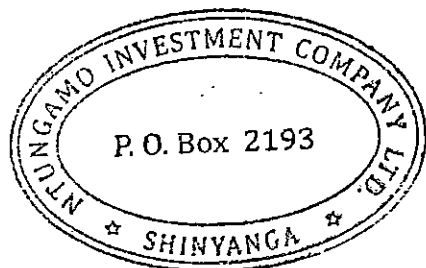
ii	Kuandaa nyaraka za kukabidhi kazi kama Michoro ya kama ilivyojengwa, test results na ripoti za mafunzo ya utumiaji wa mfumo.	300,000/=
	JUMLA NDOGO ICT INSTALLATION	2,300,000/=
11	AC INSTALLATION	
i	Uwekaji wa pipe za AC (Copper pipe) awamu ya kwanza.	500,000/=
ii	Ufungaji wa indoor na outdoor machines za AC pamoja na vifaa vingine vya AC kulingana na mchoro wa service engineer	800,000/=
iii	Kuandaa nyaraka za kukabidhi kazi kama Michoro ya kama ilivyojengwa, test results na ripoti za mafunzo ya utumiaji wa mfumo.	300,000/=
12	MIFUMO YA MAJI SAFI NA MAJI TAKA (WATER SUPPLY AND SEWERAGE SYSTEM).	
i	Ufungaji bomba awamu ya kwanza (kuchimbia bomba) 1 st fix	300,000/=
ii	Ufungaji wa vifaa vyote vya bomba (kama vyoo, HWB, shattaf, watertaps, soap holder nk)	400,000/=
iii	Kuunganisha maji kwenye jengo	500,000/=
iii	Uchimbaji wa wa mashimo ya maji taka (septic and soak away tanks)	700,000/=
iv	Ujenzi wa mashimo ya taka pamoja na chembazake, kufitisha mifuniko yake ya chuma na kufanyia finishings.	3,175,000/=
	JUMLA NDOGO MIFUMO YA MAJI SAFI NA MAJI TAKA	5,075,000/=
11	MIFUMO YA KUPMBANA NA MOTO (FIREFIGHTING SYSTEM).	
	Uandaaji wa mazingira ya uwekaji wa fire extinguisher	600,000/=
	Ufungaji wa Portable fire extinguishers	300,000/=
	<i>NB kazi hii ni specialized type of work</i>	
	JUMLA NDOGO YA MIFUMO YA KUPMBANA NA MOTO (FIREFIGHTING SYSTEM).	900,000/=



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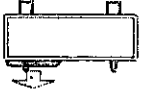

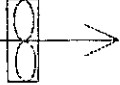


SUMMARY YA JENGO LA RADIOLOJIA

A	Jumla ya gharama za awali (preliminaries)	550,000/=
B	GHARAMA ZA UFUNDI KWENYE JENGO	
1	Jumla katika msingi wa jengo (sub structure)	14,950,000/=
2	Jumla ya kunyanyua jengo (superstructure)	9,950,000/=
3	Jumla ndogo kuezeka (Roofing and covering)	2,400,000/=
4	Jumla ndogo milango	1,610,000/=
5	Jumla ndogo madirisha	210,000/=
6	Jumla ndogo ya umaliziaji jengo (finishing)	9,420,000/=
7	Jumla ndogo ya rangi na mapambo	3,400,000/=
8	Jumla ndogo umeme (electrical installation)	3,000,000/=
9	Jumla ndogo Tehama (ICT installation)	2,300,000/=
10	Jumla ndogo AC installation	1,600,000/=
11	Jumla ndogo mifumo ya maji safi na maji taka	5,075,000/=
12	Jumla ndogo ya mifumo ya Kupambana na moto	900,000/=
	JUMLA KUU YA GHARAMA ZA UFUNDI JENGO LA RADIOLOJIA	55,365,000/=



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LEGEND - AIR CONDITIONING AND MECH. VENTILATION

S/No.	DESCRIPTION	SYMBOLS
1.	Single split, Outdoor Unit	
2.	Indoor unit, wall mounted type	
3.	Extract Fan	
4.	Condensate Drainage pipe	
5.	Refrigerant pipe	

PREPARED FOR:

FOR TENDER

FOR INFORMATION

FOR BUILDING PERMIT


FOR APPROVAL

FOR CONSTRUCTION

PROJECT:

**PROPOSED
CONSTRUCTION OF
X-RAY AND CT SCAN
BUILDING**

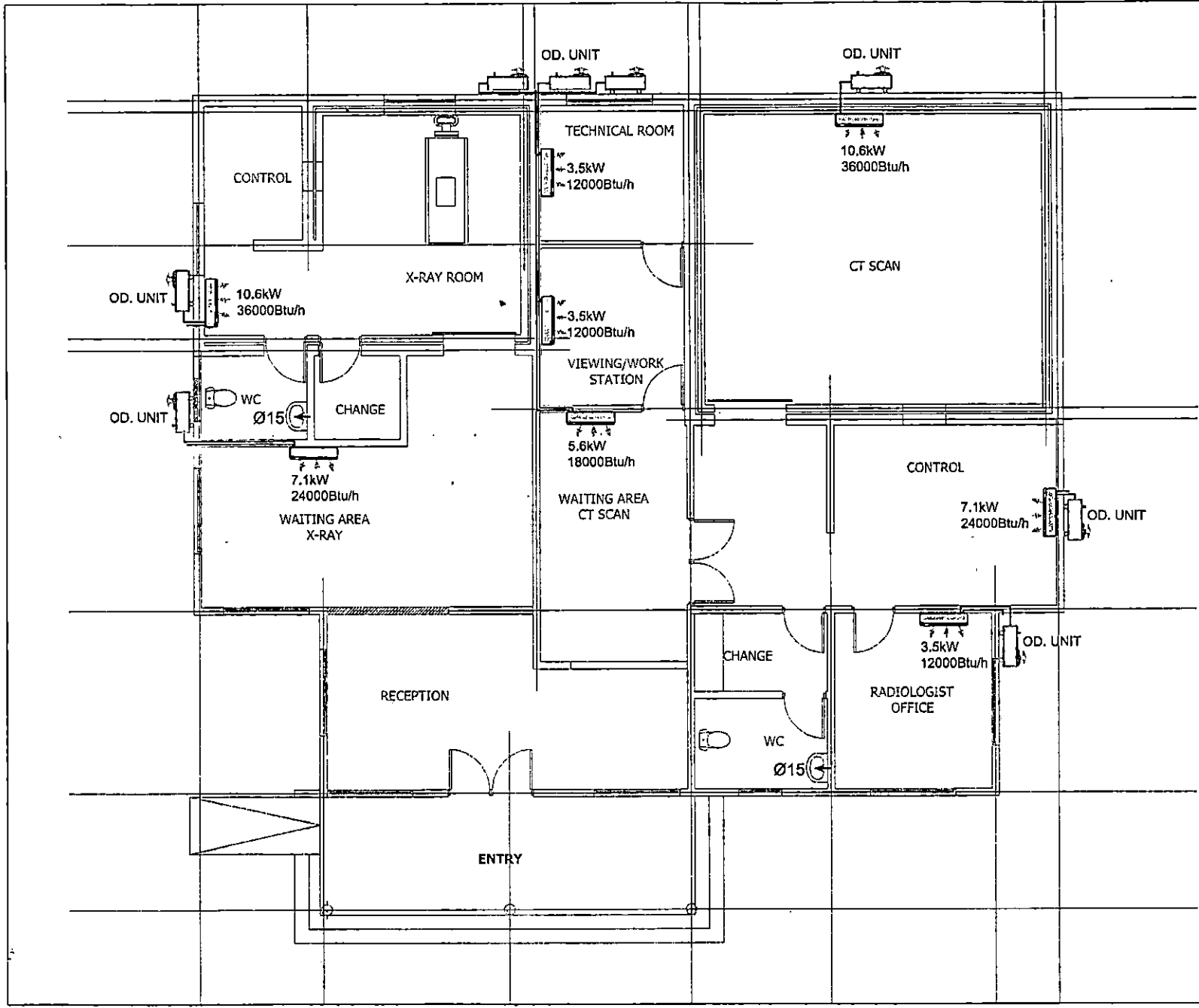
CLIENT:

 THE MINISTRY OF
HEALTH, COMMUNITY
DEVELOPMENT, GENDER,
ELDERLY AND CHILDREN
(MoHCDEG)
P.O. BOX 743, 42478
DODOMA,
Tanzania
Tel: +255-22-23420003
Email: pm@mohcdeg.go.tz
Web: www.mohcdeg.go.tz

DRAWING TITLE:


**LEGEND
AIR CONDITIONING LAYOUT**

SCALE	DATE	DRAWN	DESIGN	CHECKED
NTS	NOV2011	R.D.	R.D.	E.M.



- SCOPE:
- FOR TENDER
 - FOR INFORMATION
 - FOR BUILDING PERMIT
 - FOR APPROVAL
 - FOR CONSTRUCTION

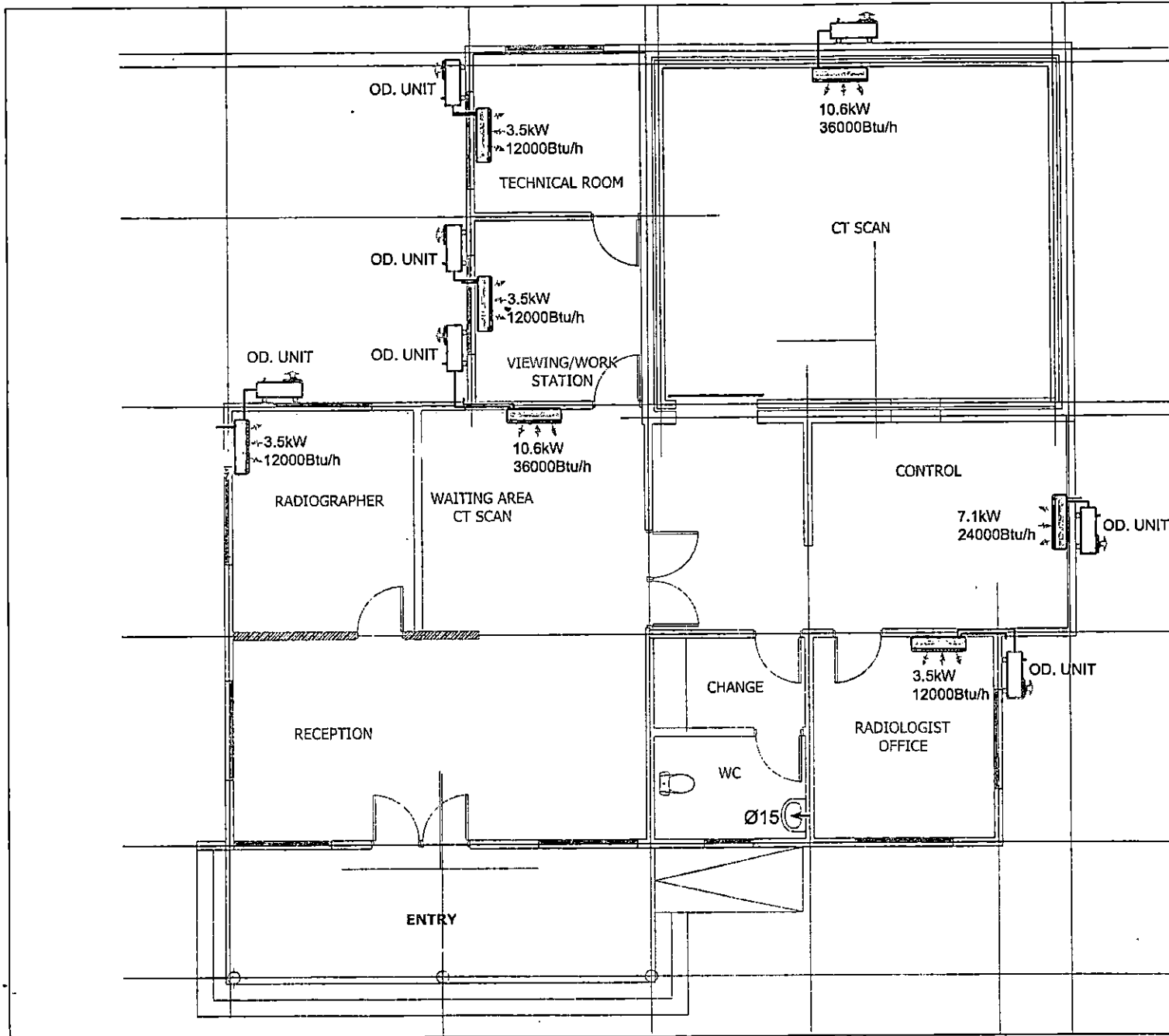
PROJECT:
**PROPOSED
 CONSTRUCTION OF
 X-RAY AND CT SCAN
 BUILDING**

CLIENT:

 THE MINISTRY OF
 HEALTH, COMMUNITY
 DEVELOPMENT, GENDER,
 ELDERLY AND CHILDREN
 (MHC&EC)
 Mji s Serikali Mumbura,
 P.O BOX 743, 40478
 DODDOLA
 Tel: +255-22-2143000/5
 Email: ps@hys.go.tz
 Web: www.moh.go.tz

DRAWING TITLE:
**X-RAY & CT SCAN FLOOR PLAN
 AIR CONDITIONING LAYOUT**

SCALE	DATE	DRAWN	DESIGN	CHECKED
NTS	NOV/2011	BD	BD	EM

Drawing Number: **MECHAC02**



REVISIONS

RESULT OF USE:

FOR TENDER

FOR INFORMATION

FOR BUILDING PERMIT

FOR APPROVAL

FOR CONSTRUCTION

PROJECT:

PROPOSED CONSTRUCTION OF CT SCAN BUILDING

CLIENT:

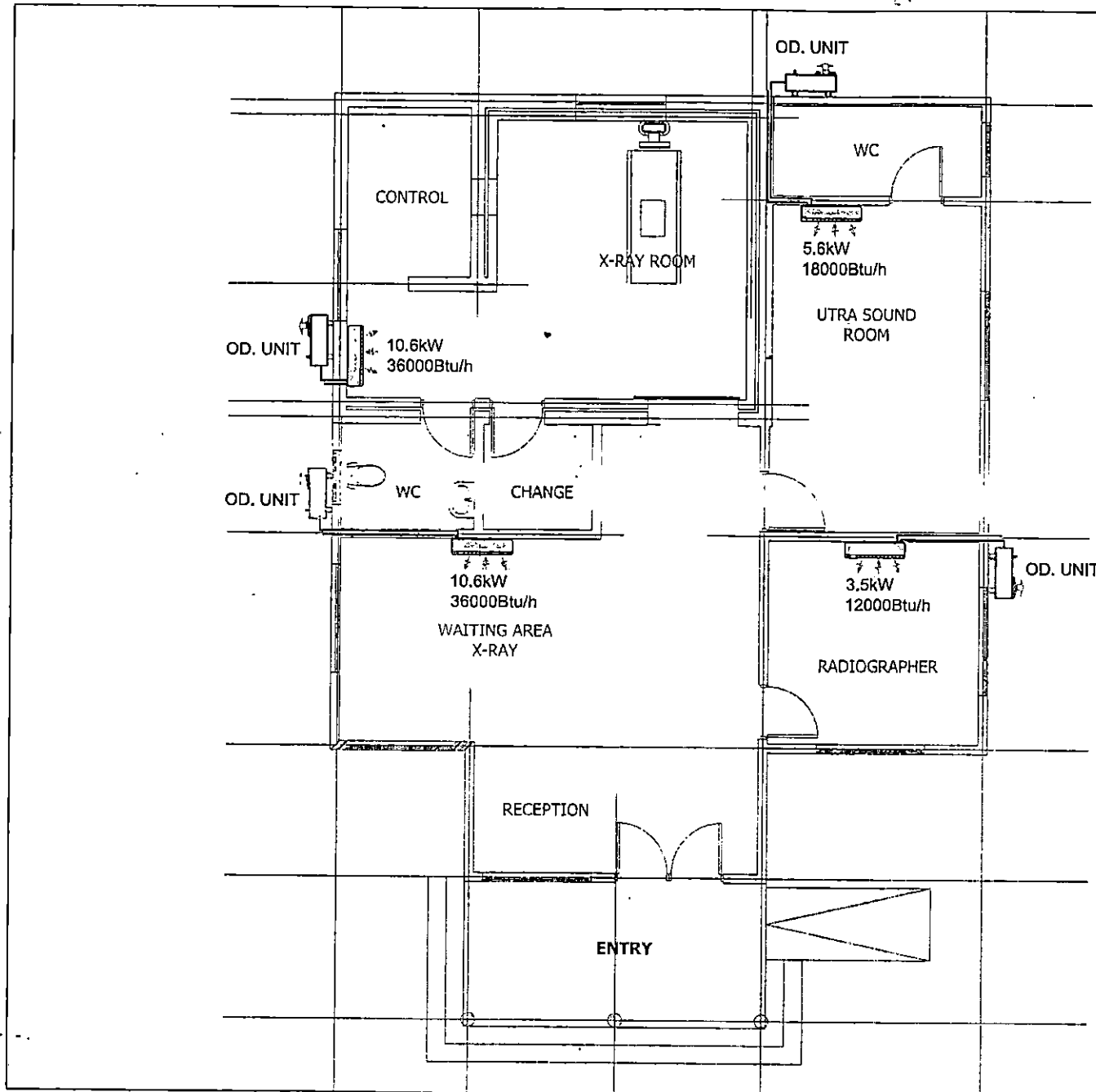
THE MINISTRY OF HEALTH, COMMUNITY DEVELOPMENT, GENDER, ELDERLY AND CHILDREN (MoHCDECI)
 Mji wa Serikali Mumba,
 P.O BOX 743, 40478
 DODOMA.
 Tel: +255 22-2342000/5
 Email: mohcdeci@go.tz
 Web: www.moh.go.tz

DRAWING TITLE:

**CT SCAN FLOOR PLAN
AIR CONDITIONING LAYOUT**


SCALE	DATE	DRAWN	DESIGN	CHECKED
NTS	NOV.2011	BD	BD	EM

Drawing Number: MECH/AC/03



- PROJECT
- FOR TENDER
 - FOR INFORMATION
 - FOR BUILDING PERMIT
 - FOR APPROVAL
 - FOR CONSTRUCTION

PROJECT
**PROPOSED
 CONSTRUCTION OF
 X-RAY BUILDING**

CLIENT

**THE MINISTRY OF
 HEALTH, COMMUNITY
 DEVELOPMENT, GENDER,
 ELDERLY AND CHILDREN
 (MHCDEC)**
 9/1 - 9/2, Sion Hill, Mombasa,
 P.O BOX 743, 40478
 DODOMA.
 Tel: +255-22-23142000/5
 Email: pm@afya.go.tz
 Web: www.moh.go.tz




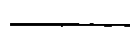
DRAWING TITLE
**X-RAY FLOOR PLAN
 AIR CONDITIONING LAYOUT**

SCALE	DATE	DRAWN	DESIGN	CHECKED
NTS	NOV/2011	SD	SD	E.M

Drawing Number: MECHAC01



LEGEND:

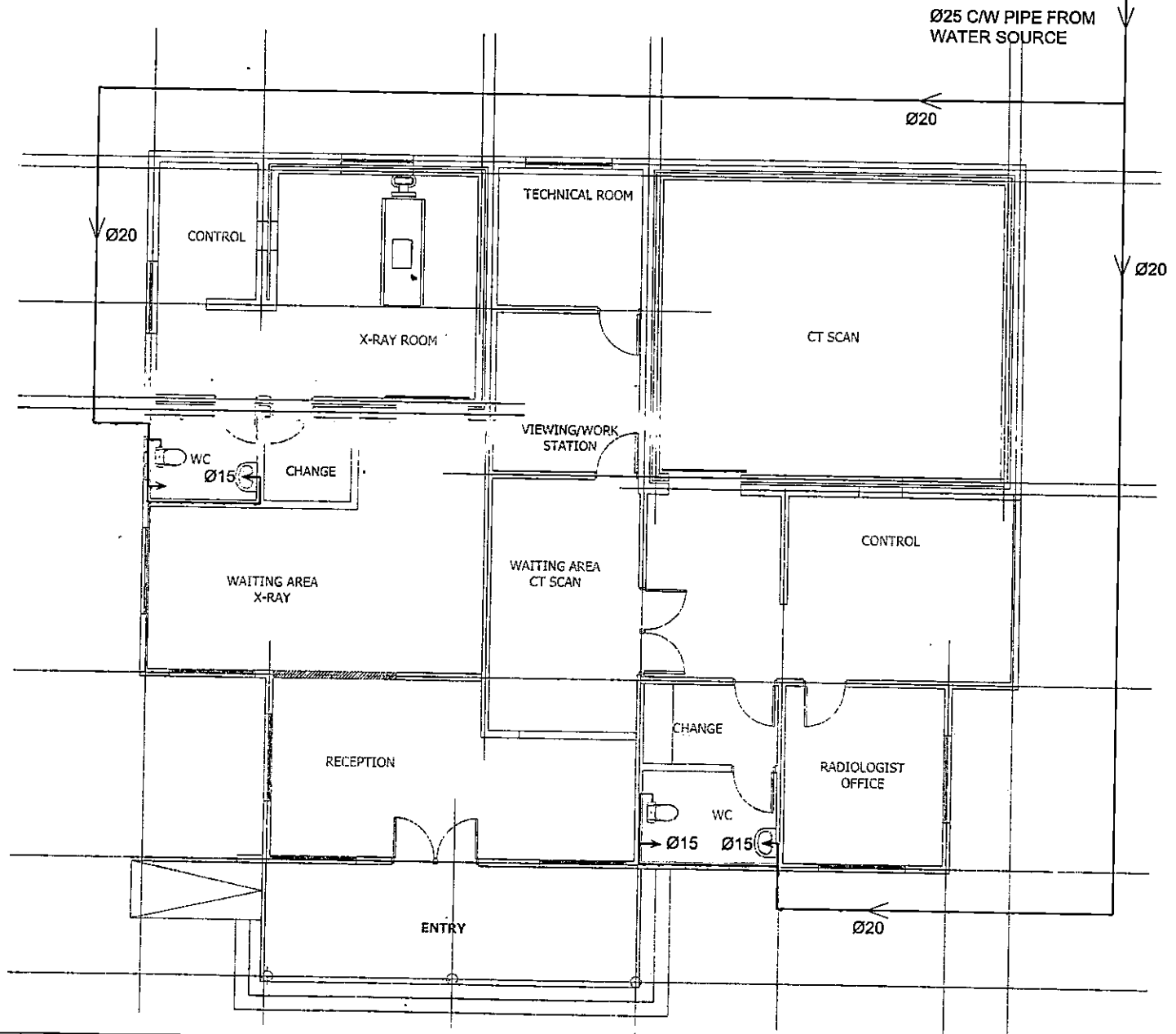
WATER SUPPLY INSTALLATION SYMBOLS

S/No.	SYMBOL/ABREV.	DESCRIPTION
1.		MOTOR (PUMP)
2.		GATE VALVE
3.		NON-RETURN VALVE
4.		COLD WATER SUPPLY PIPE - PPR

NOTES

1. ALL PIPES, JOINTS, VALVES AND OTHER ACCESSORIES TO BE PPR (DIZAYN).
2. PIPE SIZE:
 - # All water supply pipes should be complying with BS 6700-1987.
 - # Pipes to WC, HWB, and UR are Ø15mm.
 - # Distribution pipes should be Ø40, Ø32, Ø25 and Ø20mm.

										
DISCIPLINE <input type="checkbox"/> FOR TENDER <input type="checkbox"/> FOR INFORMATION <input type="checkbox"/> FOR BUILDING PERMIT <input type="checkbox"/> FOR APPROVAL <input type="checkbox"/> FOR CONSTRUCTION										
PROJECT PROPOSED CONSTRUCTION OF X-RAY AND CT SCAN BUILDING										
CLIENT  THE MINISTRY OF HEALTH, COMMUNITY DEVELOPMENT, GENDER, ELDERLY AND CHILDREN (MHCDEC) M/I wa Serikali Mumba, P.O BOX 743, 40478 DODOMA, Tel: +255-22-3343000/5 Email: ps@shya.go.tz Web: www.moh.go.tz										
DRAWING TITLE LEGEND WATER SUPPLY LAYOUT										
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>SCALE</th> <th>DATE</th> <th>DRAWN</th> <th>DESIGN</th> <th>CHECKED</th> </tr> <tr> <td>NTS</td> <td>NOV.2011</td> <td>SD</td> <td>SD</td> <td>E.M</td> </tr> </table>	SCALE	DATE	DRAWN	DESIGN	CHECKED	NTS	NOV.2011	SD	SD	E.M
SCALE	DATE	DRAWN	DESIGN	CHECKED						
NTS	NOV.2011	SD	SD	E.M						
Drawing Number: MECHWS01										



- FOR TENDER
- FOR INFORMATION
- FOR BUILDING PERMIT
- FOR APPROVAL
- FOR CONSTRUCTION

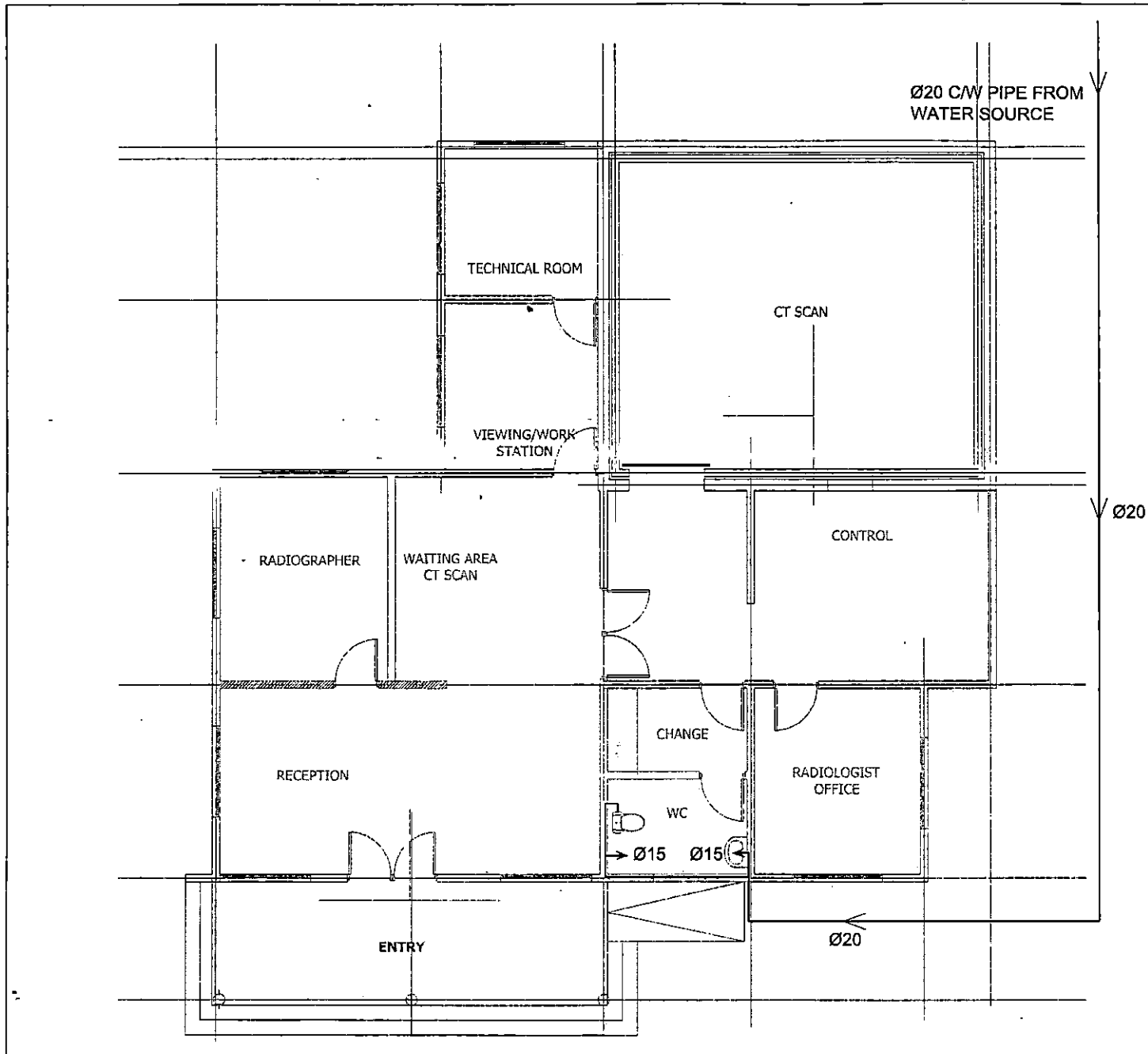
PROPOSED CONSTRUCTION OF X-RAY AND CT SCAN BUILDING

THE MINISTRY OF HEALTH, COMMUNITY DEVELOPMENT, GENDER, ELDERLY AND CHILDREN (MHCDEC)
 Mji wa Shirikisho Mwanba, P.O BOX 743, 40478 DODOMA.
 Tel: +255-22-2342000/3
 Email: pm@afya.go.tz
 Web: www.moh.go.tz

X-RAY & CT SCAN FLOOR PLAN WATER SUPPLY LAYOUT


SCALE	DATE	DRAWN	DESIGN	CHECKED
NTS	NOV.2021	S.D	S.D	E.M

Drawing Number: MECHWS02



- DESCRIPTION
- FOR TENDER
 - FOR INFORMATION
 - FOR BUILDING PERMIT
 - FOR APPROVAL
 - FOR CONSTRUCTION

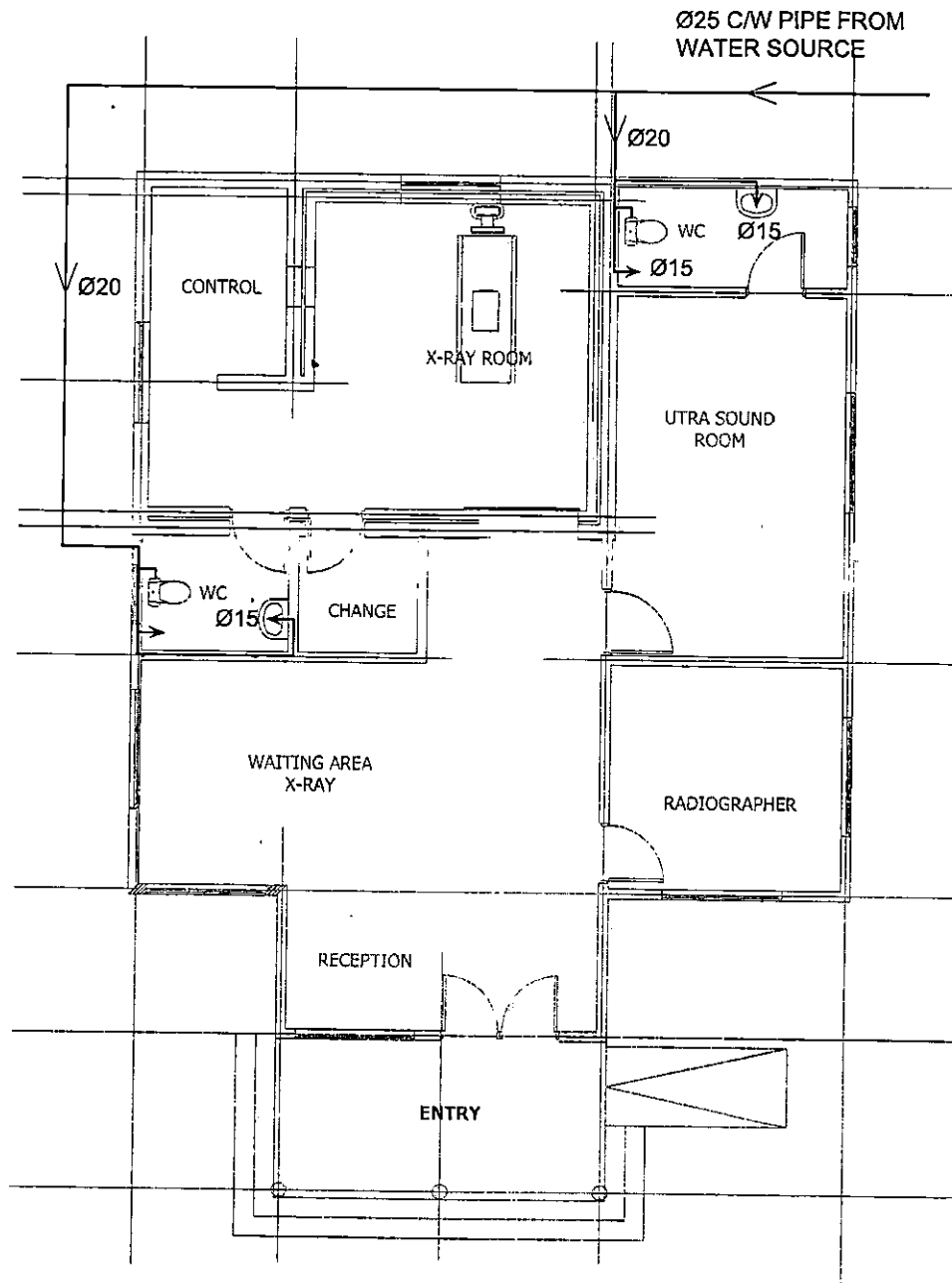
PROJECT
**PROPOSED
 CONSTRUCTION OF CT
 SCAN BUILDING**

CLIENT

**THE MINISTRY OF
 HEALTH, COMMUNITY
 DEVELOPMENT, GENDER,
 ELDERLY AND CHILDREN
 (MoHCDEC)**
 Mji wa Serikali Mumba,
 P.O BOX 743, 40478
 DODOMA, M
 Tel: +255-22-2342000/5
 Email: ps@afya.go.tz
 Web: www.moh.go.tz

DRAWING TITLE
**CT SCAN FLOOR PLAN
 WATER SUPPLY LAYOUT**

SCALE	DATE	DRAWN	DESIGN	CHECKED
NTS	NOV.2021	GD	GD	EM

Drawing Number: MED-MSD



- FOR TENDER
- FOR INFORMATION
- FOR BUILDING PERMIT
- FOR APPROVAL
- FOR CONSTRUCTION

PROPOSED CONSTRUCTION OF X-RAY BUILDING

THE MINISTRY OF HEALTH, COMMUNITY DEVELOPMENT, GENDER, ELDERLY AND CHILDREN (MoHCDEC)
 Mji wa Serikali Mumba,
 P.O BOX 743, 40478
 DODOMA.
 Tel: +255-22-23420005
 Email: ps@tisa.go.tz
 Web: www.moh.go.tz

X-RAY FLOOR PLAN WATER SUPPLY LAYOUT

SCALE	DATE	DRAWN	DESIGN	CHECKED
NTS	NOV.2021	S.D	S.D	E.M

Drawing Number: MECH/W504

LEGEND FOR WASTE WATER DRAINAGE SYSTEM

S/No.	SYMBOLS/ABBREVIATIONS.	DESCRIPTION
1	—————	SOIL WATER DRAINAGE PIPELINE
2	—————	WASTE WATER DRAINAGE PIPELINE
3	MH	MANHOLE
4	WC	SHOWER/ WATER CLOSET
5	FD	FLOOR DRAIN

NOTES

1. PIPE FITTINGS

All pipes and fittings to be uPVC pipes class 'B'

2. PIPE SIZE

Pipes from WC should be $\phi 100$.

Pipes from HWB and Kitchen sinks should be $\phi 50$.

Pipes from manholes to manholes are $\phi 100$

3. SLOPE

The Slope between manholes is 1% (1:100)

4. MANHOLE DESCRIPTIONS

Manhole size: 600 x 600 internally - Depth to depend on the level in consideration

Gully trap size: 200 x 200 x 200 internally for light duty.

- FOR TENDER
- FOR INFORMATION
- FOR BUILDING PERMIT
- FOR APPROVAL
- FOR CONSTRUCTION

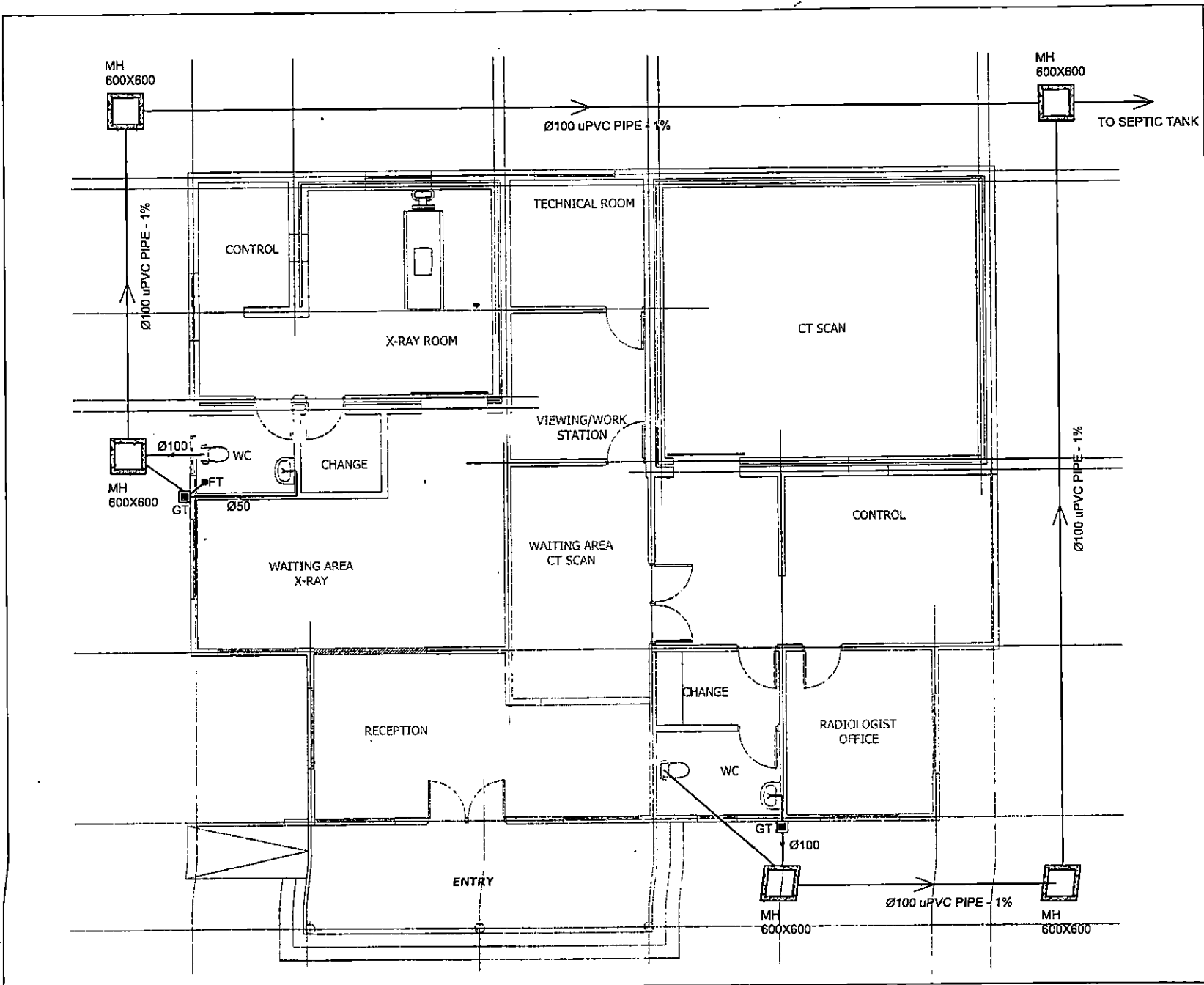
PROPOSED
CONSTRUCTION OF
X-RAY AND CT SCAN
BUILDING

THE MINISTRY OF
HEALTH, COMMUNITY
DEVELOPMENT, GENDER,
ELDERLY AND CHILDREN
(MoHCDEC)
Mji wa Serikali Mumba,
P.O. BOX 743, 40478
DODOMA,
Tel: +255-22-234300/5
Email: pcc@afya.go.tz
Web: www.moh.go.tz

LEGEND
WASTE WATER DRAINAGE LAYOUT

SCALE	DATE	DRAWN	DESIGN	CHECKED
NTS	NOV.2021	SD	SD	EM

Drawing Number: MECHWW01



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- SCALE
- FOR TENDER
 - FOR INFORMATION
 - FOR BUILDING PERMIT
 - FOR APPROVAL
 - FOR CONSTRUCTION

PROJECT

PROPOSED CONSTRUCTION OF X-RAY AND CT SCAN BUILDING

CLIENT

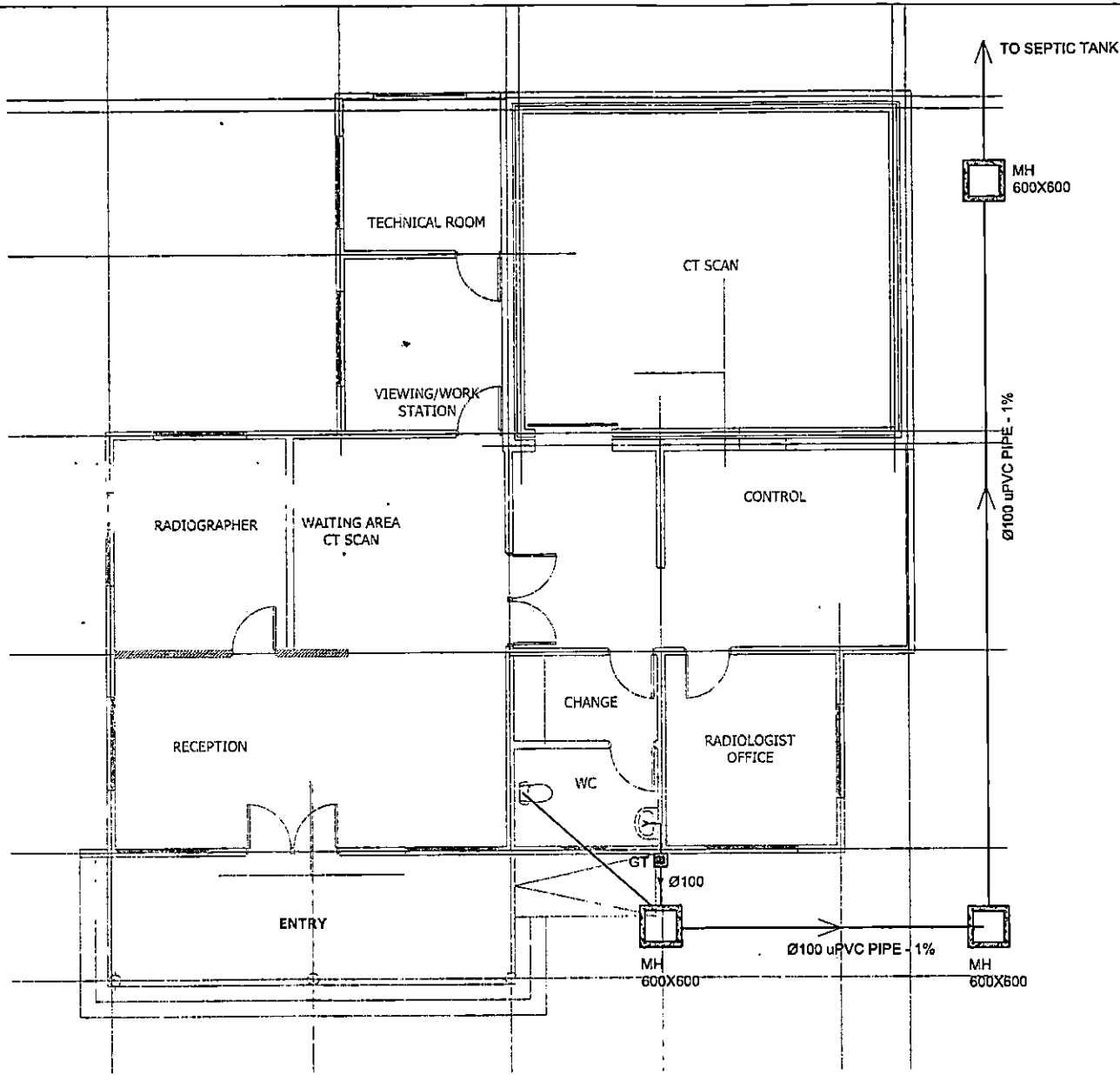
THE MINISTRY OF HEALTH, COMMUNITY DEVELOPMENT, GENDER, ELDERLY AND CHILDREN (MHCDEC)
 Mji wa Serikali Mumba,
 P.O BOX 743, 46478
 DODDOLA,
 Tel: +255 22 23420005
 Email: info@mfya.go.tz
 Web: www.moh.go.tz

DRAWING TITLE

X-RAY & CT SCAN FLOOR PLAN WASTE WATER DRAINAGE LAYOUT

SCALE	DATE	DRAWN	DESIGN	CHECKED
NTS	NOV 2011	B.D	S.D	E.M

Drawing Number: MECH/WH/02



PROPOSED CT SCAN BUILDING

- REVISIONS
- FOR TENDER
 - FOR INFORMATION
 - FOR BUILDING PERMIT
 - FOR APPROVAL
 - FOR CONSTRUCTION

PROJECT

PROPOSED CONSTRUCTION OF CT SCAN BUILDING

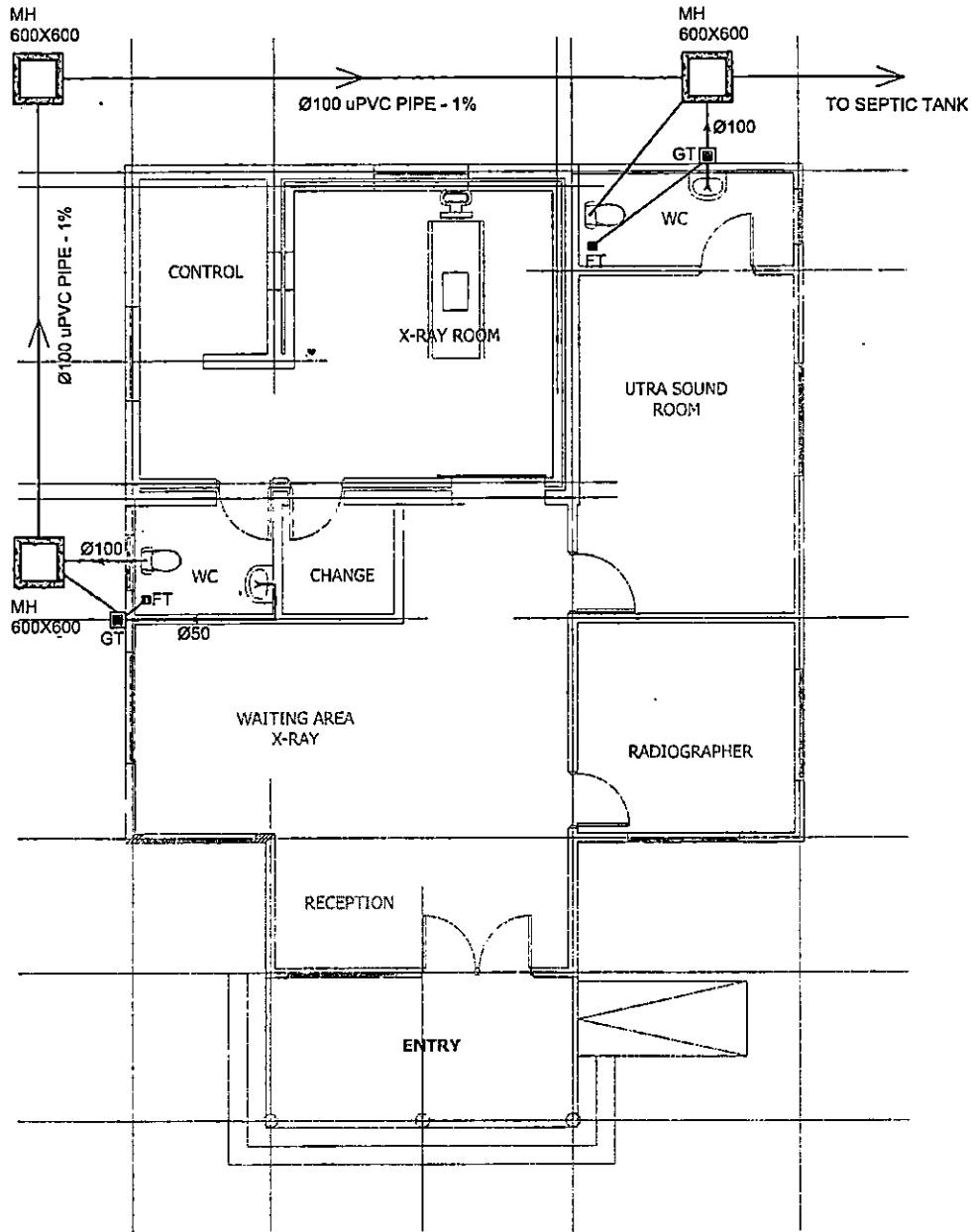
THE MINISTRY OF HEALTH, COMMUNITY DEVELOPMENT, GENDER, ELDERLY AND CHILDREN (MHCDEC)
 Mji wa Senkuli Mumba,
 P.O BOX 743, 40478
 DODOMA.
 Tel: +255 22-2342000/5
 Email: ps@shya.go.tz
 Web: www.msh.go.tz

DRAWING TITLE

CT SCAN FLOOR PLAN WASTE WATER DRAINAGE LAYOUT

SCALE	DATE	DRAWN	DESIGN	CHECKED
NTS	NOV.2011	S.O	S.O	EAM

Drawing Number: MECHWW03



INTENT

- FOR TENDER
- FOR INFORMATION
- FOR BUILDING PERMIT
- FOR APPROVAL
- FOR CONSTRUCTION

PROJECT

PROPOSED
CONSTRUCTION OF
X-RAY BUILDING

CLIENT



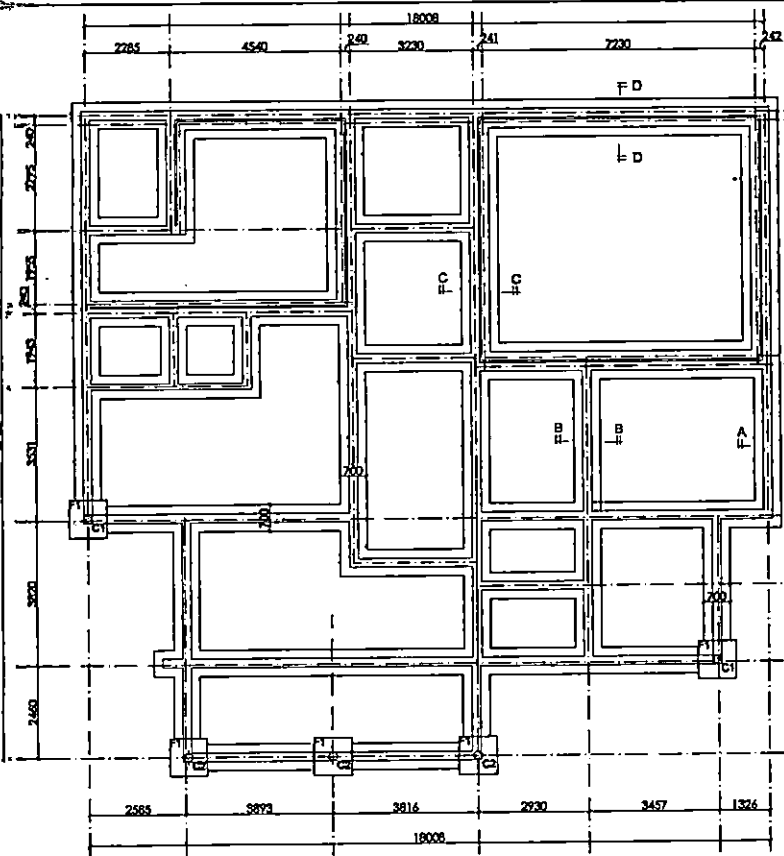
THE MINISTRY OF
HEALTH, COMMUNITY
DEVELOPMENT, GENDER,
ELDERLY AND CHILDREN
(MoHCDEC)
Mji wa Serikali Mumba,
P.O BOX 143, 40478
DODOMA.
Tel: +255-22-23420005
Email: ps@afya.go.tz
Web: www.moh.go.tz

DRAWING TITLE

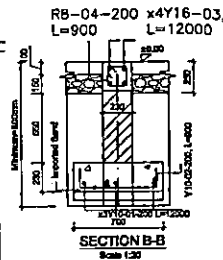
X-RAY FLOOR PLAN
WASTE WATER DRAINAGE LAYOUT

SCALE	DATE	DRAWN	DESIGN	CHECKED
NTS	NOV/2011	S.D.	S.D.	E.M.

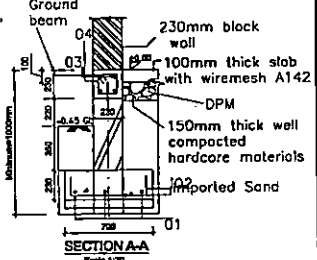
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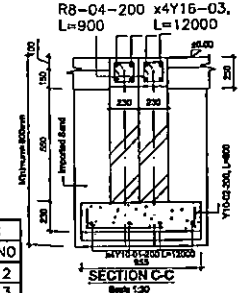
FOUNDATON LAYOUT PLAN
SCALE: 1:100



SECTION B-B
Scale 1:20



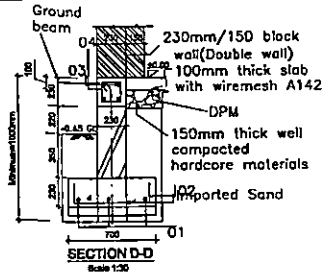
SECTION A-A
Scale 1:20



SECTION C-C
Scale 1:20

COLUMN SCHEDULES		
TYPE	COLUMN SIZE	NO
C1	230x230mm	2
C2	230φmm	3

FOOTING SCHEDULES		
TYPE	FOOTING SIZE	NO
F1	1000X1000X300	5



SECTION D-D
Scale 1:20

NOTE: THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ARCHITECTURAL AND SERVICES ENGINEERING DRAWINGS

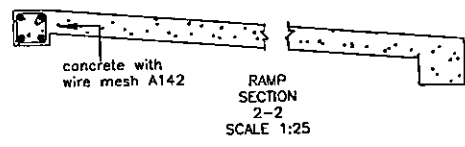
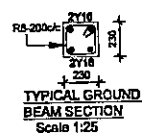
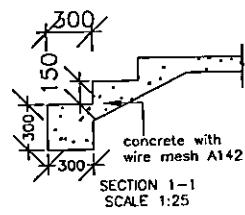
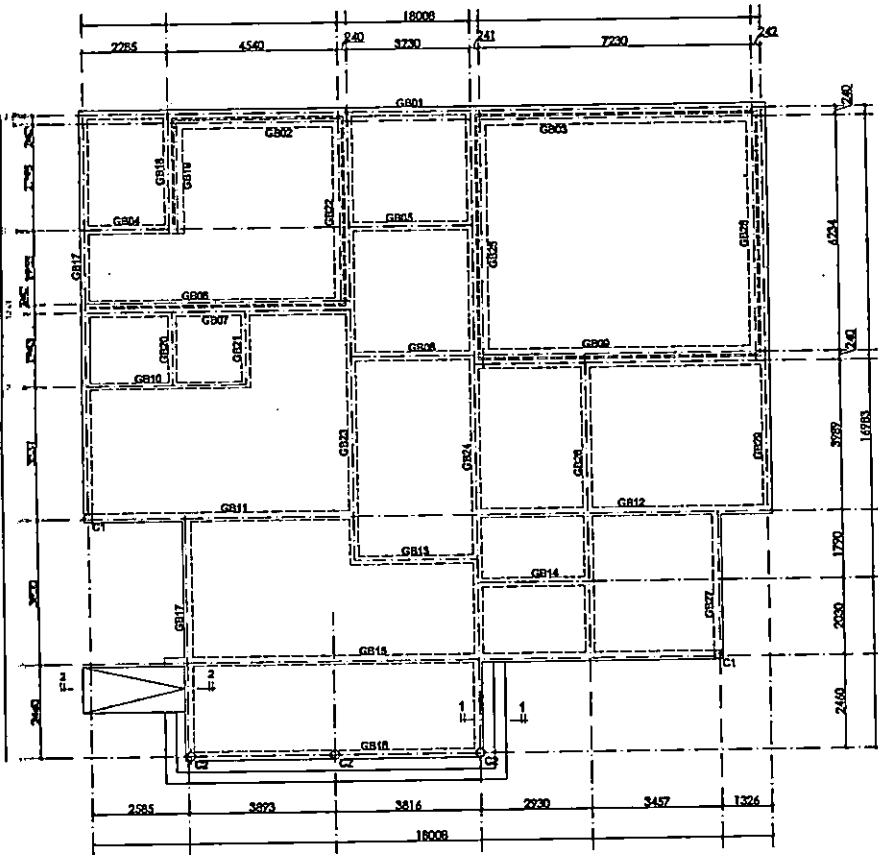
No.	Revised/Issue	Date

Job Ref: CP/002/14/1/2/3

Client: MINISTRY OF HEALTH, COMMUNITY DEVELOPMENT, SENIOR, ELDERLY AND CHILDREN
Project: PROPOSED X-RAY AND CT SCAN BUILDING FOR NATIONAL GENERAL HOSPITAL

Drawing Title: FOUNDATION PLAN AND SECTIONS

Designed by: FONGZI JIA
Drawn by: FONGZI JIA
Checked by: A. BUCKLEY
Scale: 1:100, 1:20
Date: 18/01/2021
Approved by: CHH
Dwg No: 801/04



GROUND FLOOR LAYOUT PLAN
SCALE 1:100

7/18/01
DRAWINGS SHALL BE
IN ACCORDANCE
WITH THE
INTERNATIONAL
BUILDING
CODE

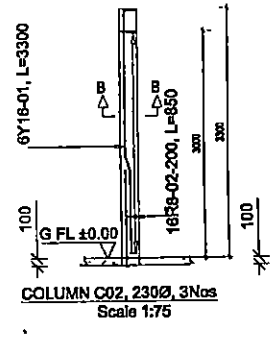
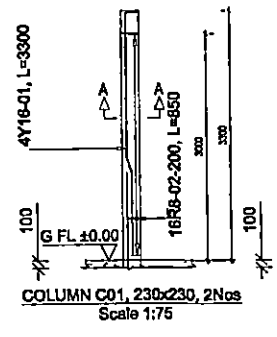
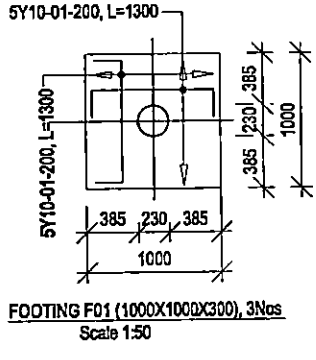
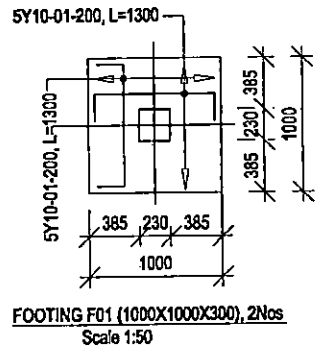
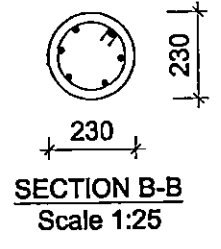
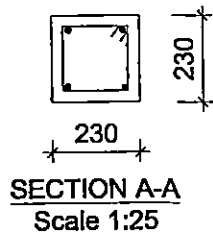
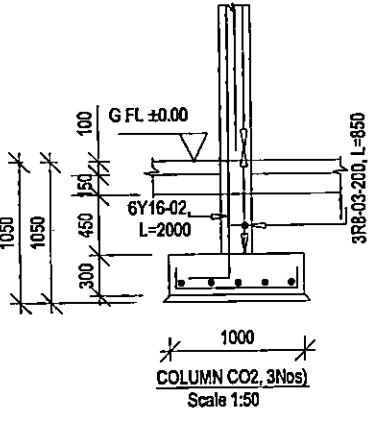
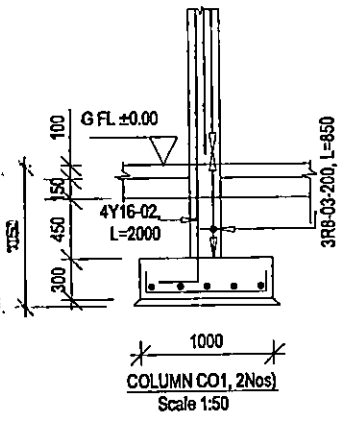
No.	Revisions/Date	Date

Job No: 07/02/01/01/01

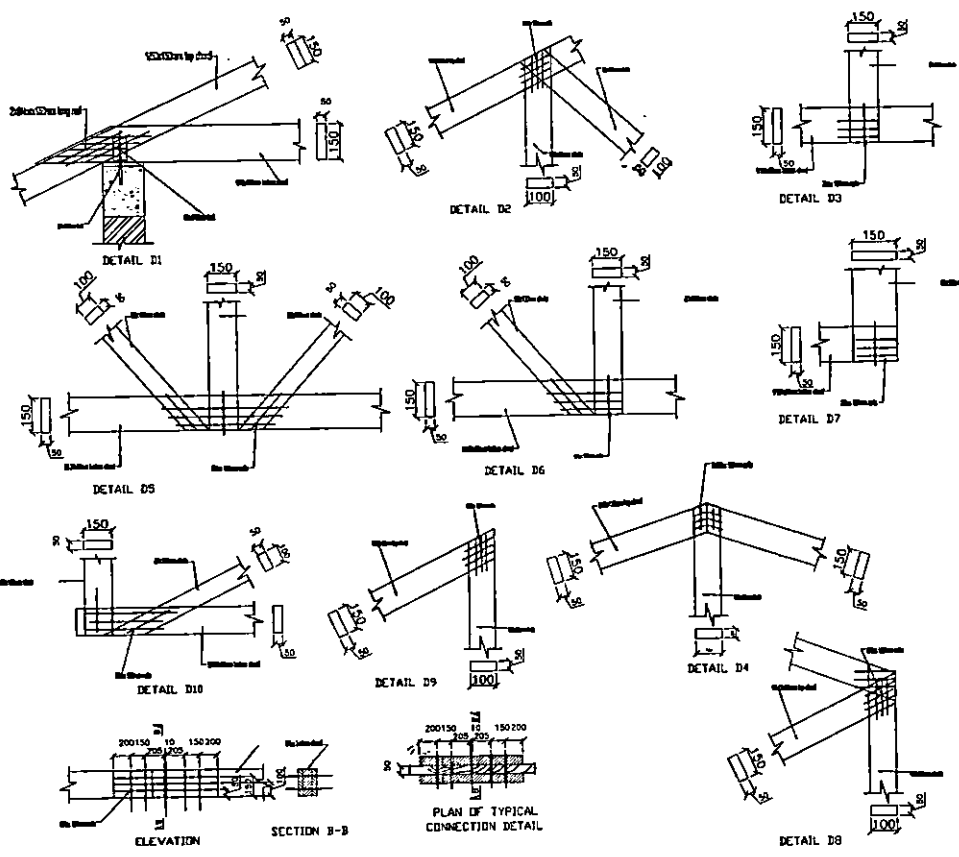
Client: MINISTRY OF HEALTH, EQUALITY DEVELOPMENT,
GENDER, ELDERLY AND CHILDREN
Project: PROPOSED X-RAY AND CT SCAN BUILDING FOR
REGIONAL REFERRAL HOSPITAL

Drawing Title:
GROUND FLOOR PLAN
AND SECTIONS

Designed by:	FORÇA 2.0	Approved by:	
Drawn by:	FORÇA 2.0	Checked by:	
Scale:	1:200, 1:25	Date:	NOV, 2001
Date:	NOV, 2001	Drawn by:	



General Notes:	No.	Revised/Issue	Date	Job No.	07/2023/PA/021	Client: INDUSTRY OF HEALTH, COMMUNITY DEVELOPMENT, GENERAL, ELDERLY AND CHILDREN Project: PROPOSED X-RAY AND CT SCAN BUILDING FOR REGIONAL REFERRAL HOSPITAL	Drawing Title: COLUMN FOOTINGS AC DETAILS	Designed by:	PONGSA Z. K.	Approved by:		
					Checked by:			PONGSA Z. K.	Drawn by:	CHAI		
					Date:			1/50	Scale:	1:50	Draw No.:	
					Date:			05/07/2023	Scale:	1:50	Draw No.:	02/06



NOTES:
 1. REVISIONS SHALL BE INDICATED BY CIRCLES AND NUMBERS.
 2. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
 3. ALL REINFORCEMENT SHALL BE AS PER THE SCHEDULED REINFORCEMENT SPECIFICATION.

No.	Revision/Date	Date

Job No: CH/ANC/140/02

Client: MINISTRY OF HEALTH COMMUNITY DEVELOPMENT, GENDER, ELDERLY AND CHILDREN
 PROJECT: PROPOSED H-HAY AND CT SCAR BUILDING FOR REGIONAL REFERRAL HOSPITAL

Drawing Title: TRUSSES CONNECTION DETAILS



Designed by	Checked by	Date
FORNIA Z. S.	A. REGUYA	NOV. 2021

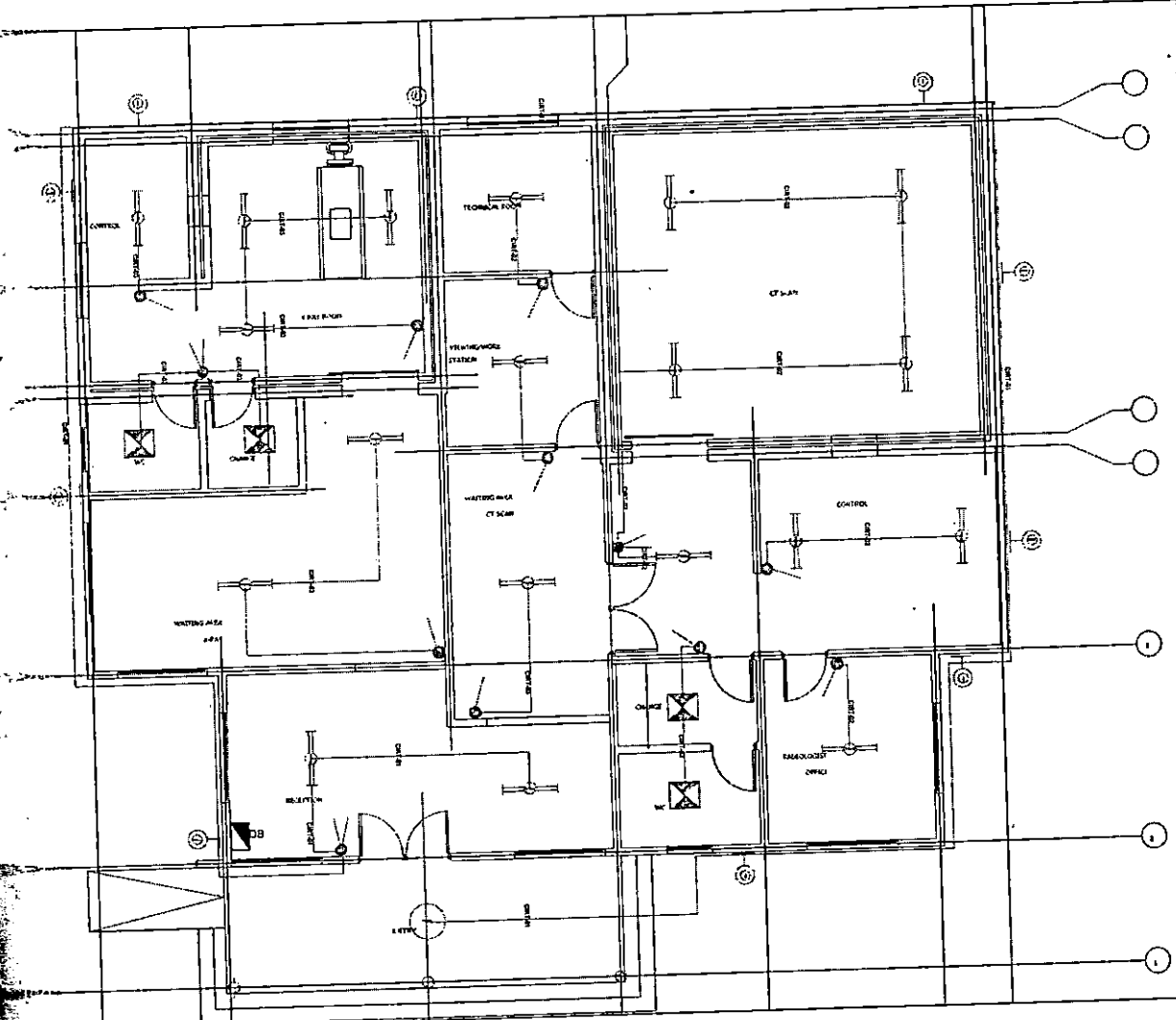
Approved by: OPH
 Drg No: S02/06

PROPOSED CONSTRUCTION X-RAY AND CT-SCAN BLOCK

LIST OF ELECTRICAL DRAWINGS

S/No.	DESCRIPTION	DRAWING No.	DATE/REV.
1.	LIST OF ELECTRICAL DRAWINGS	DK/X-RAY & CT-SCAN /ELE/00	NOV, 2021
2	LIST OF ELECTRICAL LEGEND	DK/X-RAY & CT-SCAN /ELE/01	NOV, 2021
3	FLOOR LIGHTING LAYOUT	DK/X-RAY & CT-SCAN /ELE/02	NOV, 2021
4	FLOOR POWER AND ICT LAYOUT	DK/X-RAY & CT-SCAN /ELE/03	NOV, 2021
5	FLOOR DISTRIBUTION BOARD	DK/X-RAY & CT-SCAN /ELE/04	NOV, 2021

				
PURPOSE <input type="checkbox"/> FOR TENDER <input type="checkbox"/> FOR INFORMATION <input type="checkbox"/> FOR BUILDING PERMIT <input type="checkbox"/> FOR APPROVAL <input type="checkbox"/> FOR CONSTRUCTION				
PROJECT PROPOSED CONSTRUCTION OF X-RAY & CT-SCAN BLOCK				
CLIENT  THE MINISTRY OF HEALTH, COMMUNITY DEVELOPMENT, SENIORS AND CULTURAL AFFAIRS 450 St. Basile Street, P.O. BOX 341, 6978 DOGMA, TEL: +238-76-23430005 Email: info@mh.gov.gi Web: www.mh.gov.gi				
DRAWN BY THE LIST OF ELECTRICAL DRAWINGS				
SCALE	DATE	DRAWN	DESIGN	CHECKED
1:1	NOV 2021	DK/ST	DK/ST	EM
Drawing Number: DK/X-RAY & CT-SCAN/ELE/00				



- FOR TENDER
- FOR INFORMATION
- FOR BUILDING PERMIT
- FOR APPROVAL
- FOR CONSTRUCTION

PROJECT

PROPOSED CONSTRUCTION OF X-RAY & CT-SCAN BLOCK

CLIENT

THE MINISTRY OF HEALTH, COMMUNITY DEVELOPMENT, COUNSEL, ELDERLY AND CHILDREN (MHCDEC)

143, rue St-Jules (Sherbrooke), P.O. BOX 149, 4478 DOUGLASS, I

Tel: 439-23-24/20007

Email: p43@mc.gc.ca

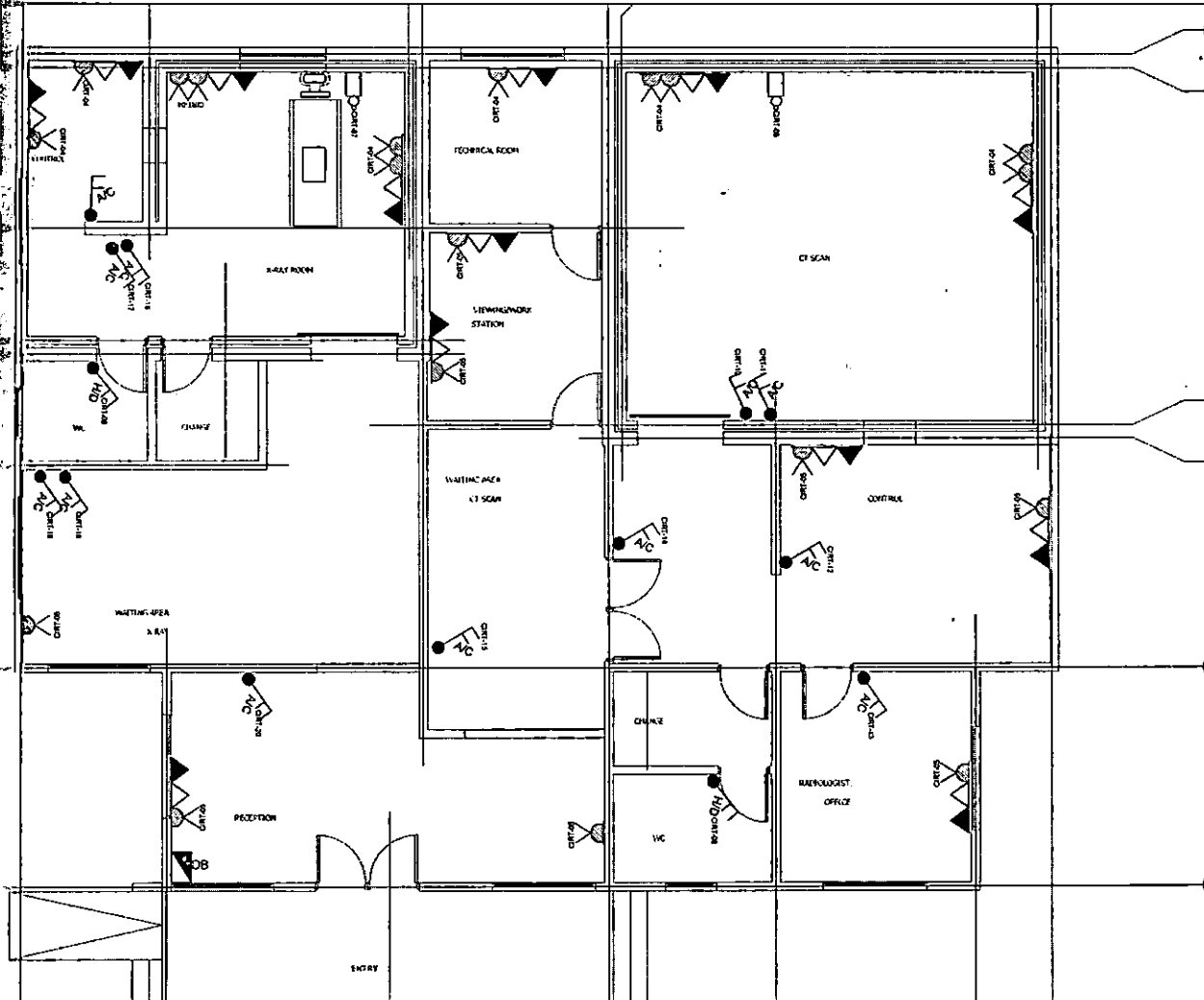
Web: www.mhc.gc.ca

DESIGNED BY

FLOOR LIGHTING LAYOUT

SCALE	DATE	DRAWN	DESIGN	CHECKED
1:1	2007/01	SMITH	SMITH	E.M.

Drawing Number: **06-NAV & CT-SCAN-001**



- FOR THE:
- FOR TENDER
 - FOR INFORMATION
 - FOR BUILDING PERMIT
 - FOR APPROVAL
 - FOR CONSTRUCTION

PROJECT

PROPOSED CONSTRUCTION OF X-RAY & CT-SCAN BLOCK

THE MINISTRY OF HEALTH, COMMUNITY DEVELOPMENT, GENDER, ELDERLY AND CHILDREN (MHCDC)

3rd and 4th Floor, Ministry of Health Building, 122 BOULEVARD, SUITE 3000, OTTAWA, ONT. K1P 6L9

Tel: (613) 993-3200 Ext: 3000
 Email: info@health.gc.ca
 Web: www.health.gc.ca

DESCRIPTION

GROUND FLOOR POWER AND ICT LAYOUT

SCALE	DATE	DRAWN	DESIGN	CHECKED
NTS	NOV 2011	BOUCH	GRONQ	E.S.

Drawing Number: **001 X-RAY & CT-SCAN-ELKS**

FLOOR DISTRIBUTION BOARD SCHEMATICS

4x25sqmm ,Cu/PVC/PVC

IBIM TANISCO

WAY NO.	PHASE	MCB RATING (A)	CABLE SIZE (MM ²)		R(W)	Y(W)	B(W)
1.	R	10	1.5	CIRT-01 LIGHTING	420		
	Y	10	1.5	CIRT-02 LIGHTING		648	
	B	10	1.5	CIRT-03 LIGHTING			648
2.	R	32	2.5	CIRT-04 S/SOCKETS,RING	2400		
	Y	32	2.5	CIRT-05 S/SOCKETS,RING		2400	
	B	20	2.5	SPARE			
3.	R	45	6	CIRT-06 ISOLATOR		3000	
	Y						
	B						
4.	R	45	6	CIRT-07 ISOLATOR		3000	
	Y						
	B						
5.	R	20	2.5	CIRT-08 20A DP FOR H/D	1000		
	Y	20	2.5	CIRT-09 20A DP FOR H/D		1000	
	B	20	2.5	CIRT-10 20A DP FOR A/C			1800
6.	R	20	2.5	CIRT-11 20A DP FOR A/C	1800		
	Y	20	2.5	CIRT-12 20A DP FOR A/C		1800	
	B	20	2.5	CIRT-13 20A DP FOR A/C			1800
7.	R	20	2.5	CIRT-14 20A DP FOR A/C	1800		
	Y	20	2.5	CIRT-15 20A DP FOR A/C		1800	
	B	20	2.5	CIRT-16 20A DP FOR A/C			1800
8.	R	20	2.5	CIRT-17 20A DP FOR A/C	1800		
	Y	20	2.5	CIRT-18 20A DP FOR A/C		1800	
	B	20	2.5	CIRT-19 20A DP FOR A/C			1800
9.	R	20	2.5	CIRT-20 20A DP FOR A/C	1800		
	Y	20		SPARE			
	B	32		SPARE			
10.	R	10		SPARE			
	Y	10		SPARE			
	B	32		SPARE			
TOTAL LOAD CONNECTED(W)					14,020	14,248	11,848

1cx16sqmm cu/PVC,



MCCB
TPN
100A/300mA

SPECIFICATIONS

10-WAY TPN DISTRIBUTION BOARD, WITH INTEGRAL 100A/300mA MCCB INCOMER AND FINAL CIRCUIT MCB'S AS SPECIFIED, ABB TYPE OR APPROVED EQUIV.

FOR TENDER

FOR TENDER

FOR INFORMATION

FOR BUILDING PERMIT


FOR APPROVAL

FOR CONSTRUCTION

PROJECT

PROPOSED CONSTRUCTION OF X-RAY & CT-SCAN BLOCK

CLIENT



THE MINISTRY OF
HEALTH, COMMUNITY
DEVELOPMENT, GENDER,
DISABILITY AND CHILDREN
D.M.C.D.C.
Minister's Office
P.O. BOX 143, 4017
DORONGA
Tel: +65 6323 2422/2005
Email: pm@hpa.gov.sg
Web: www.moh.gov.sg

DATE

GROUND FLOOR DISTRIBUTION BOARD SCHEMATIC

SCALE	DATE	DRAWN	DESIGN	CHECKED
1:1	01/01/2014	IBIM	IBIM	IBIM

Drawing Number: 017/01/AY & CT-SCAN/EL/EM