



BLOCK A



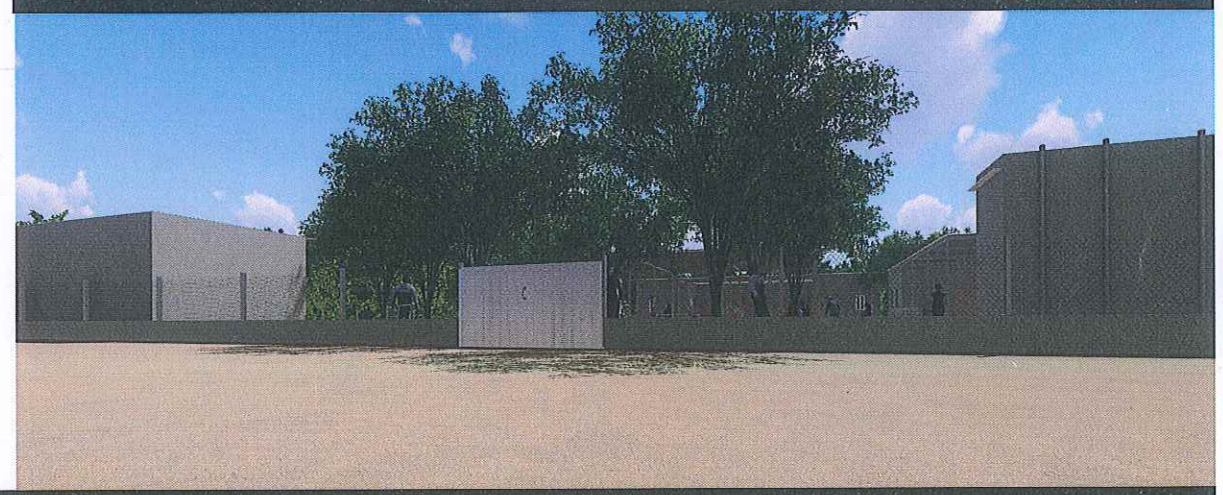
CHILDREN  
PLAY GROUND



BLOCK B



MAIN  
ENTRANCE



PROJECT NAME:  
PHC OF AL SALAM -  
NUTRITION PROGRAM  
(ALF05)

LOCATION:  
NORTHERN EAST AL FASHER

DRAWING TITLE:  
GENERAL VIEWS

DATE:  
10 01 2022

ARCHITECT:  
ENG.Rabab Azhari Fadle Elseed

CHECKED BY:  
ENG AMRAN MOHAMMED OTHMA



GENERALS	
DRAWING NO	DRAWING TITLE
G_01	SITE PLAN EXISTING SITUATION & DESIGN PROPOSAL
G_02	GROUND FLOOR PLAN EXISTING DESIGN
G_03	GROUND FLOOR PLAN DESIGN PROPOSAL

GENERALS PLUMPING AND ELECTRICAL	
DRAWING NO	DRAWING TITLE
GP_01	WATER SUPPLY DESIGN
GP_02	WATER TANK SYSTEM
GP_03	ABSORBING WELL DETAILS
GP_04	WATER TOWER DETAILS
GP_05	WATER TOWER FOUNDATION DETAILS
GPE_06	GENERAL PLAN ELECTRICAL LAYOUT

BLOCK CPG	
DRAWING NO	DRAWING TITLE
CPG_01	CHILDREN PLAY GROUND PLAN
CPG_02	CHILDREN PLAY GROUND ROOF PLAN
CPG_03	CHILDREN PLAY GROUND SECTION
CPG_04	CHILDREN PLAY GROUND - 3D SOLAR PANEL DETAILS
CPG_05	CHILDREN PLAY GROUND ELECTRICAL LAYOUT

BLOCK E	
DRAWING NO	DRAWING TITLE
E_01	ELECTRICAL ROOM PLANS & DETAILS
E_02	ELECTRICAL ROOM. ELECTRICAL LAYOUT

BLOCK A	
DRAWING NO	DRAWING TITLE
A_01	GROUND FLOOR PLAN
A_02	ROOF PLAN
A_03	ROOF STRUCTURE PLAN
A_04	ROOF SECTION
A_05	LINTEL BEAM & CALLOUT
A_06	ELEVATIONS
A_07	SECTION -A & B-
A_08	RAMP SECTION & 3D
A_09	GROUND FLOOR PLAN DOORS & WINDOWS
A_10	DOORS & WINDOWS DETAILS
A_11	GROUND FLOOR PLAN FURNITURE
A_12	BLOCK A ELECTRICAL LAYOUT

BLOCK B	
DRAWING NO	DRAWING TITLE
B_01	GROUND FLOOR PLAN
B_02	ROOF PLAN
B_03	ROOF STRUCTURE PLAN
B_04	ROOF SECTION
B_05	LINTEL BEAM & CALLOUT
B_06	ELEVATIONS
B_07	SECTION -A & B-
B_08	RAMP SECTION & 3D
B_09	GROUND FLOOR PLAN DOORS & WINDOWS
B_10	DOORS & WINDOWS DETAILS
B_11	GROUND FLOOR PLAN FURNITURE
B_12	BLOCK B ELECTRICAL LAYOUT

BLOCK T1	
DRAWING NO	DRAWING TITLE
T1_01	LATRINE UNDER GROUND EXCAVATION PLAN
T1_02	GROUND FLOOR PLAN
T1_03	ROOF PLAN
T1_04	ELEVATIONS
T1_05	DETAILS
T1_06	WELL DETAILS
T1_07	W.C ROOF SYSTEM
T1_08	BLOCK T1 ELECTRICAL LAYOUT

BLOCK T2	
DRAWING NO	DRAWING TITLE
T2_01	LATRINE UNDER GROUND EXCAVATION PLAN
T2_02	GROUND FLOOR PLAN
T2_03	ROOF PLAN
T2_04	ELEVATIONS
T2_05	DETAILS
T2_06	WELL DETAILS
T2_07	W.C ROOF SYSTEM
T2_08	BLOCK T2 ELECTRICAL LAYOUT

MEDICAL WASTE DISPOSAL	
DRAWING NO	DRAWING TITLE
MWD_01	MEDICAL WASTE DISPOSAL PLAN, SECTION & 3D

FENCE	
DRAWING NO	DRAWING TITLE
F_01	FENCE DETAILS



AICS-Italian Agency for Development  
Cooperation - SDN  
13 Project St. no 33 Amarat, House no 25  
Block 12 K-east Khartoum, SUDAN

AL-Amarat Mohamed Najeeb Street, Khartoum

TEL: +249925451234  
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EMAIL: DQTC.ENGINEERING@GMAIL.COM



PROGRAM TITLE:

T05-EUF-HOA-SD-73-01

PROJECT TITLE:

PHC of Al Salam - Nutrition  
Program

LOCATION:

Northern East Al Fasher

ARCHITECTURAL ENGINEER:

ENG.RABAB AZHARI FADL ELSEED

CHECKED BY:

ENG. AMRAN MOHAMMED OTHMAN

DRAWING TITLE:

LIST OF DRAWINGS

DATE: JANUARY 2022

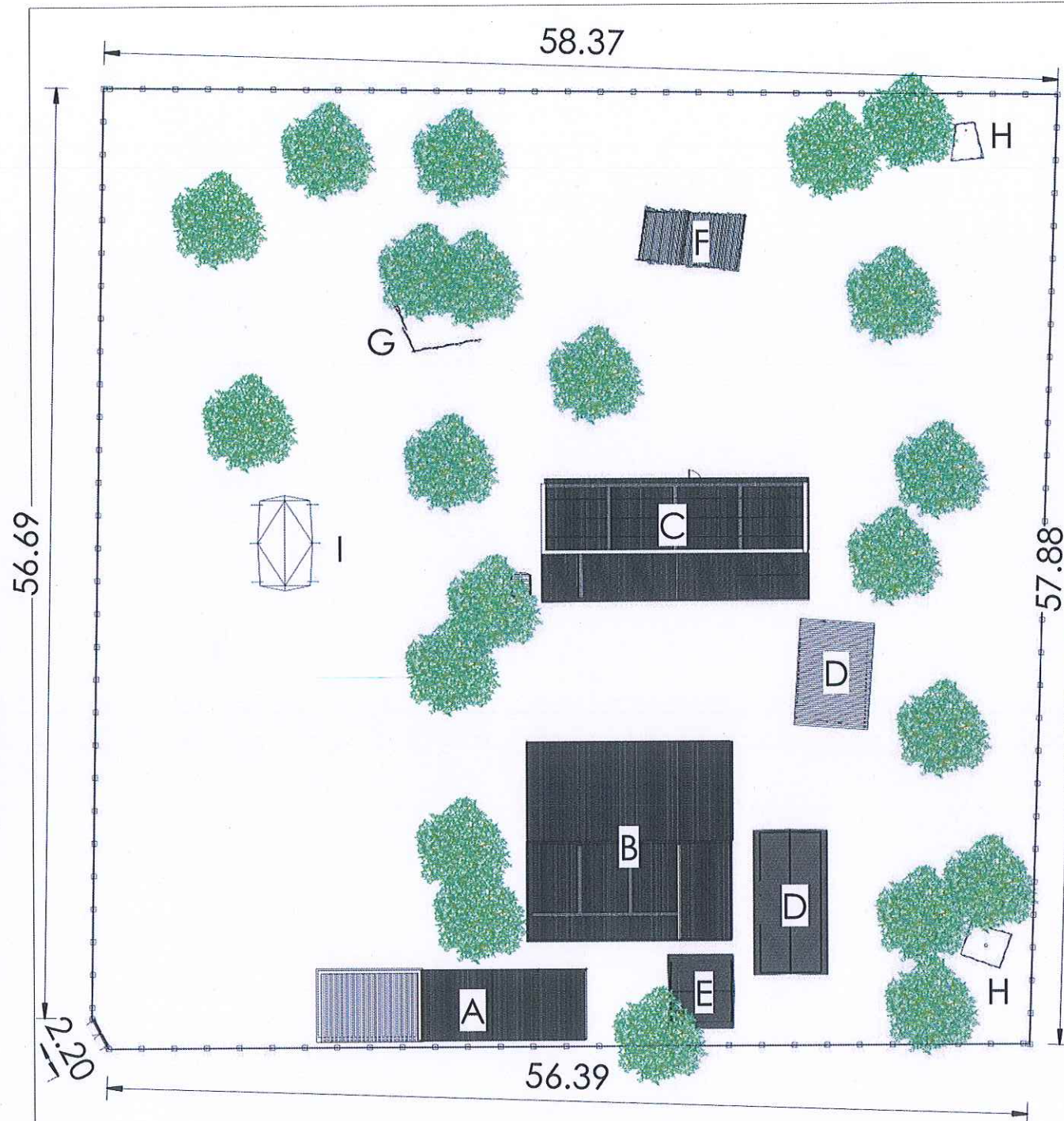
INDEX:

01

SCALE:



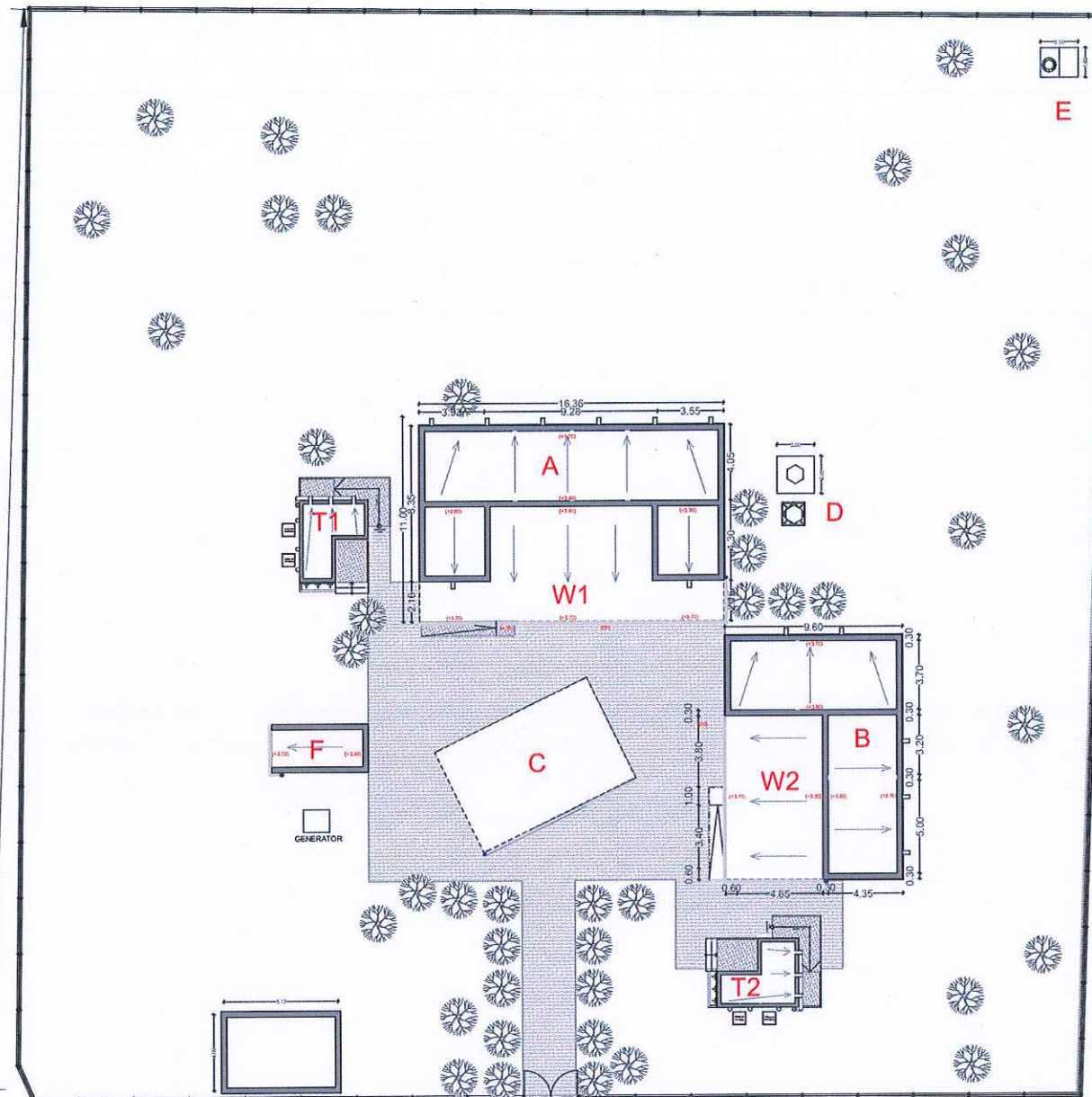




## LEGEND

## SITE PLAN - EXISTING

A	BLOCK A	F	BREAK FAST PLACE
B	BLOCK B	G	PRAYING AREA (RAKOOBA)
C	BLOCK C	W.A	WAITING AREA
D	WARD	H	LATRINE
E	KITCHEN	I	TENT



## LEGEND

## SITE PLAN - REHABILITATION DESIGN

A	BLOCK A	F	ELECTRICAL ROOM
B	BLOCK B	W1	WAITING AREA
C	CHILDREN PLAY GROUND	W2	WAITING AREA
D	WATER TANK	T1	MALE W.C.
E	MEDICAL WASTE DISPOSAL	T2	FEMALE W.C.

26.00°

26.00°

**DATE:**  
JANUARY 2022

**PROPERTY OF:**  
Italian Agency for Development  
Cooperation - T05-EUTF-HOA-SDN-73-01

**PROJECT NAME:**  
PHC OF AL SALAM - NUTRITION  
PROGRAM (ALF05)

**LOCATION:**  
NORTHERN EAST AL FASHER

**ARCHITECT:**  
ENG. Rabab Azhari Fadle Elseed

**STRUCTURAL ENGINEER:**  
ENG. Designer IBRAHEM MOHAMED

**CHECKED BY:**  
ENG. AMRAN MOHAMMED OTHMAN

**DRAWING TITLE:**  
SITE PLAN  
Existing Situation & Design Proposal

**INDEX:**  
G-01

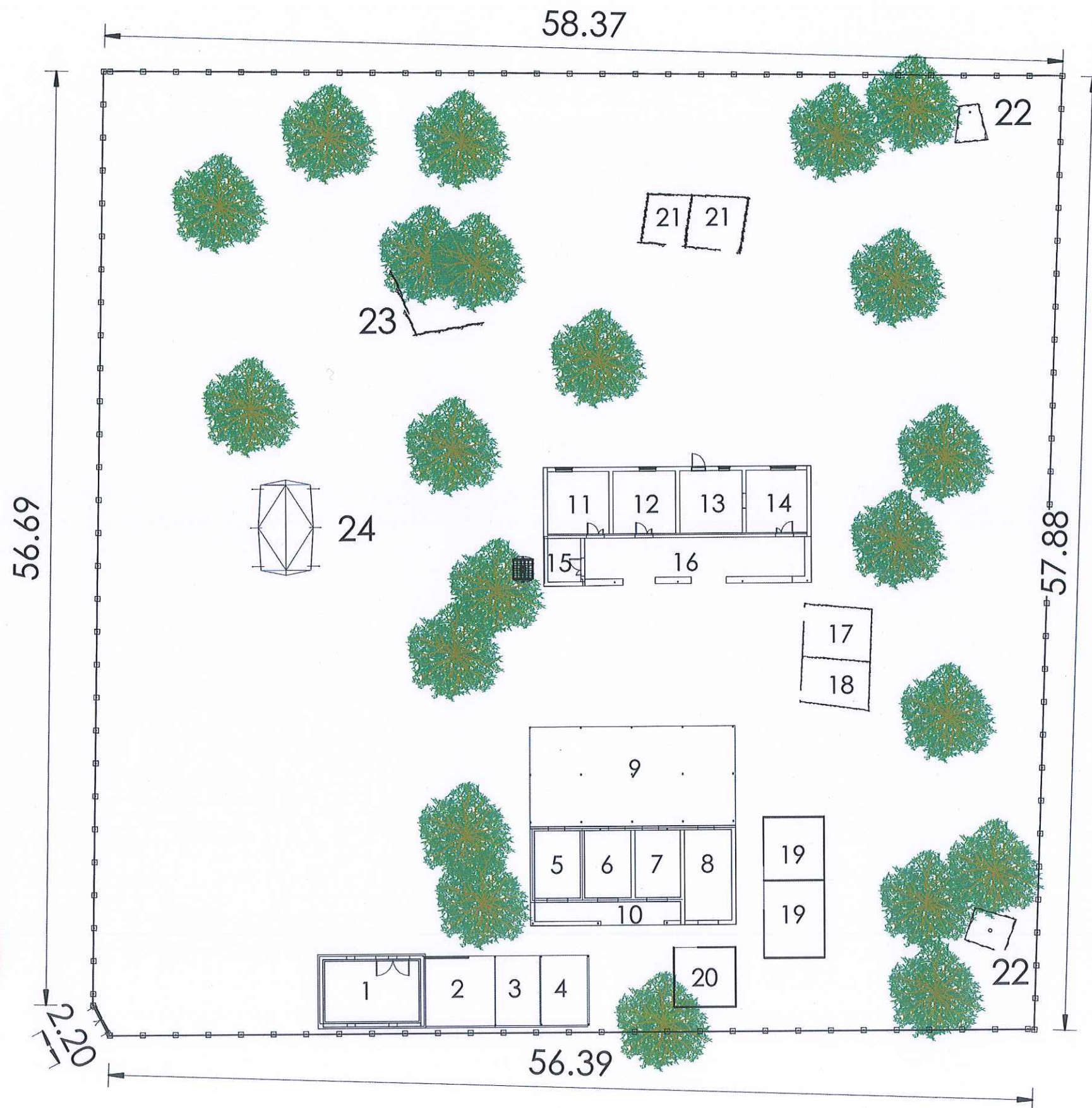
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# LEGEND Site Plan - Existing

1	Store	13	RH SECTION
2	Waiting Area	14	RH SECTION
3	Registration of Children Weight	15	SAMPLING TEST ROOM
4	Doctor & Distribution Space	16	Veranda
5	Medical Office	17	Male Ward
6	Medical Assistance	18	Female Ward
7	Vaccination Room	19	Old Ward
8	Dressing Room	20	Kitchen
9	Waiting Area	21	Breakfast place
10	Veranda	22	Latrin
11	LAB	23	praying area (RAKOOBA)
12	PHARMACY	24	Tent



DATE:  
JANUARY 2022

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PROJECT NAME :  
PHC OF AL SALAM - NUTRITION  
PROGRAM (ALF05)

LOCATION :  
NORTHERN EAST AL FASHER

ARCHITECT :  
ENG.Rabab Azhari Fadle Elseed

STRUCTURAL ENGINEER :  
ENG.Designer IBRAHEM MOHAMED

CHECKED BY :  
ENG. AMRAN MOHAMMED OTHMAN

DRAWING TITLE :  
GROUND FLOOR PLAN  
Existing Design

INDEX :  
G-02

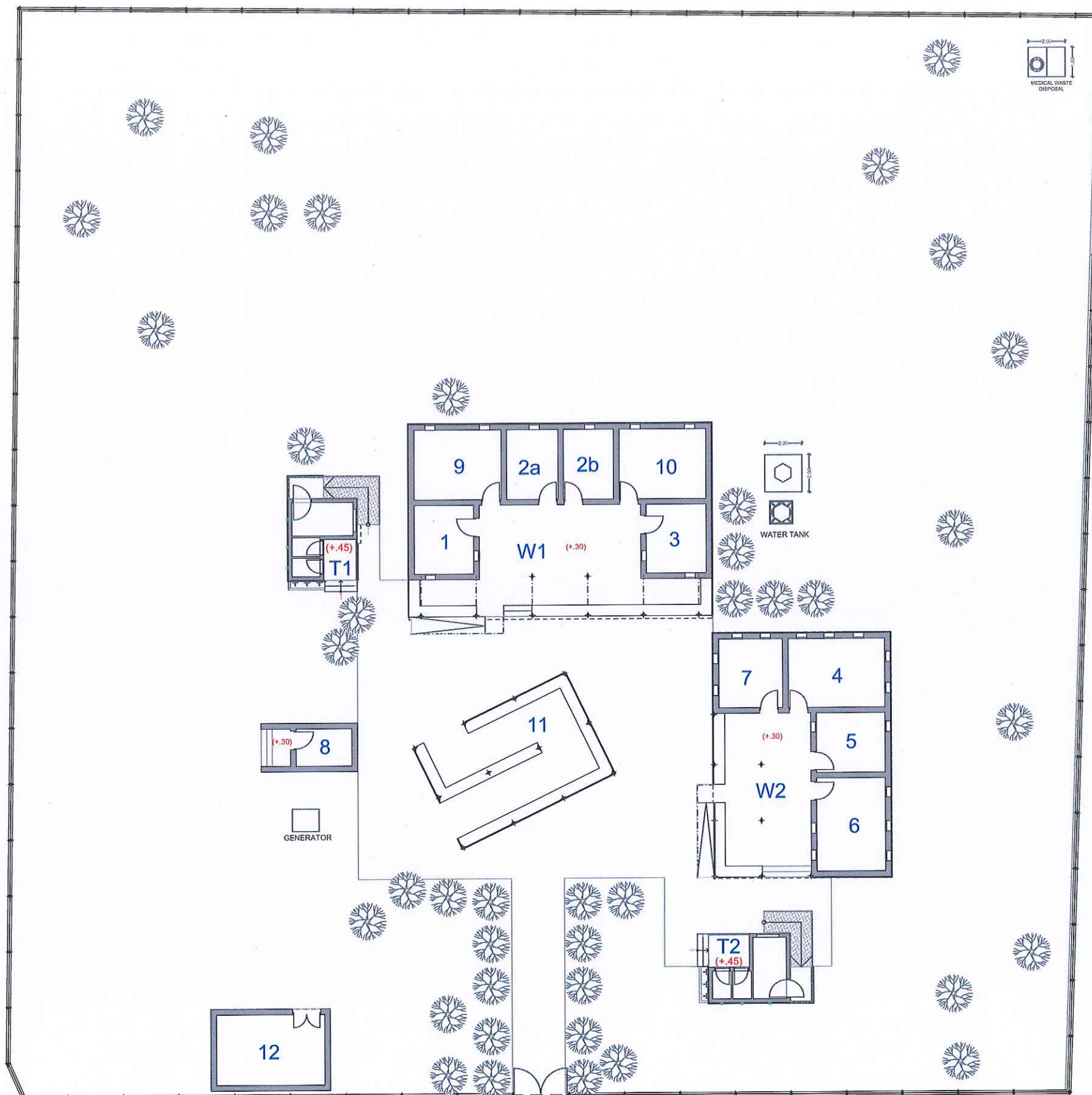
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1:250





LEGEND GROUND FLOOR PLAN - REHABILITATION DESIGN

1	LAB	8	ELEC. ROOM
2a	MEDICAL CONSULTAION	9	MALE WARD
2b	MEDICAL CONSULTAION	10	REGISTRATION ROOM
3	PHARMACY	11	CHILDERN PLAYGROUND
4	MIDWIFERY	12	STORE
5	DELIVARY ROOM	W1	WAITING AREA
6	FEMALE WARD	T1	FEMALE W.C.
7	EPI/NU	T2	MALE W.C.



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JANUARY 2022

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LOCATION :  
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ARCHITECT :  
ENG.Rabab Azhari Fadle Elseed  
STRUCTURAL ENGINEER :  
ENG.Designer IBRAHEM MOHAMED  
CHECKED BY :  
ENG. AMRAN MOHAMMED OTHMAN

DRAWING TITLE :  
GROUND FLOOR PLAN  
Design Proposal

INDEX :  
G-03

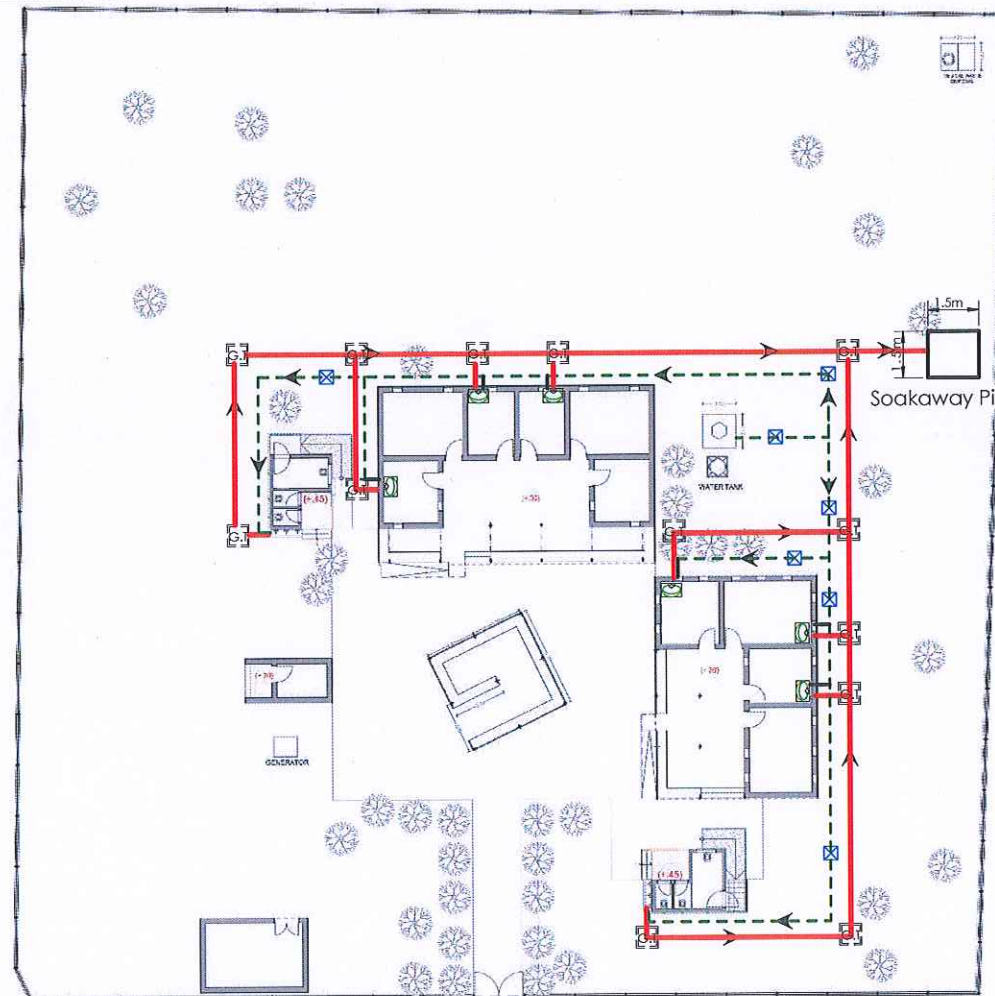
SCALE :  
1:250







Legend	Disription
	Gate Valve
	Water Direction
	P.P.R 25mm
	P.P.R 13mm
	PVC 2inch Pipe
	Gally Trap



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DOUBLE DTC ENGINEERING

PROGRAM TITLE:  
T05-EUTF-HOA-SD-73-01

PROJECT TITLE:  
PHC of Al Salam - Nutrition program  
(AIE05)

LOCATION:  
Northern East Al Fasher

ARCHITECT:  
ENG. Rabab Azhari Fadie Elseed  
STRUCTURAL ENGINEER:

ENG. IBRAHIM MOHAMMED IBRAHIM  
CHECKED BY:  
ENG. AMRAN MOHAMMED OTHMAN

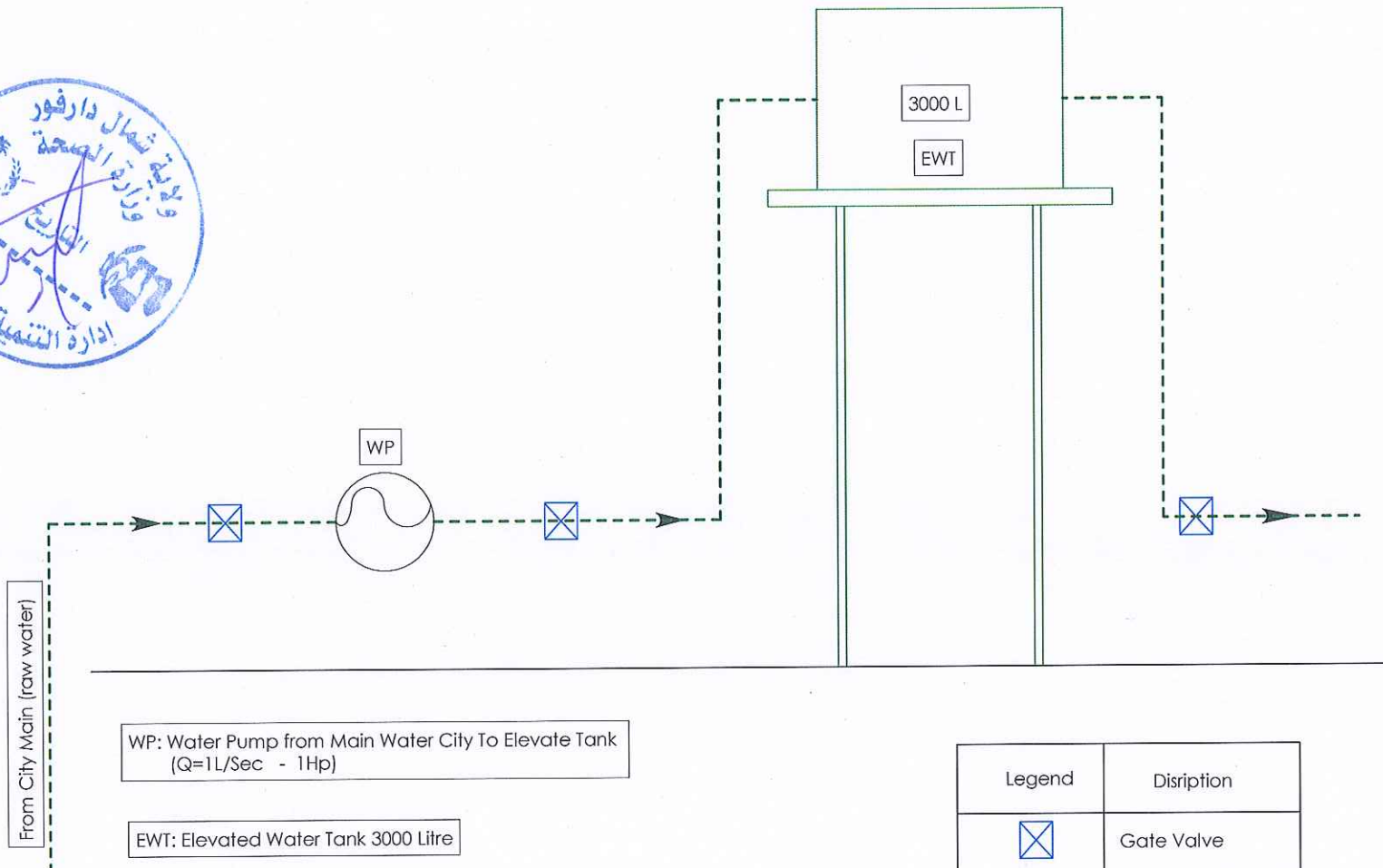
DRAWING TITLE:  
Plumbing - Water Supply Design

DATE: January 2022

INDEX: GP\_01 SCALE: Scale 1:300







WP: Water Pump from Main Water City To Elevate Tank  
(Q=1L/Sec - 1Hp)

EWT: Elevated Water Tank 3000 Litre

Legend	Disription
	Gate Valve
	Water Direction
	P.P.R 25mm
	P.P.R 13mm
	PVC 2inch Pipe
	Gally Trap

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DOUBLE DTC ENGINEERING

PROGRAM TITLE:  
T05-EUTF-HOA-SD-73-01

PROJECT TITLE:  
PHC of Al Salam - Nutrition program (ALFOS)

LOCATION:  
Northern East Al Fasher

ARCHITECT:  
ENG.Rabab Azhar Fadle Elseed  
STRUCTURAL ENGINEER:  
ENG.IBRAHIM MOHAMMED IBRAHIM  
CHECKED BY:  
ENG. AMRAN MOHAMMED OTHMAN

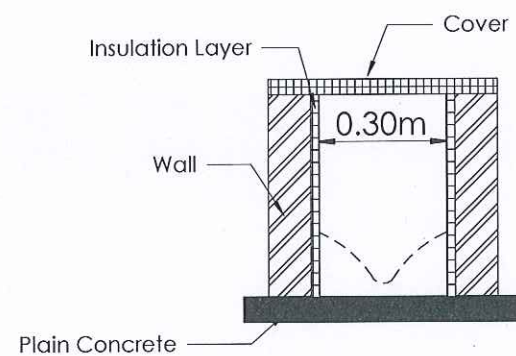
DRAWING TITLE:  
Plumbing - WaterTank System

DATE: January 2022

INDEX: GP\_02

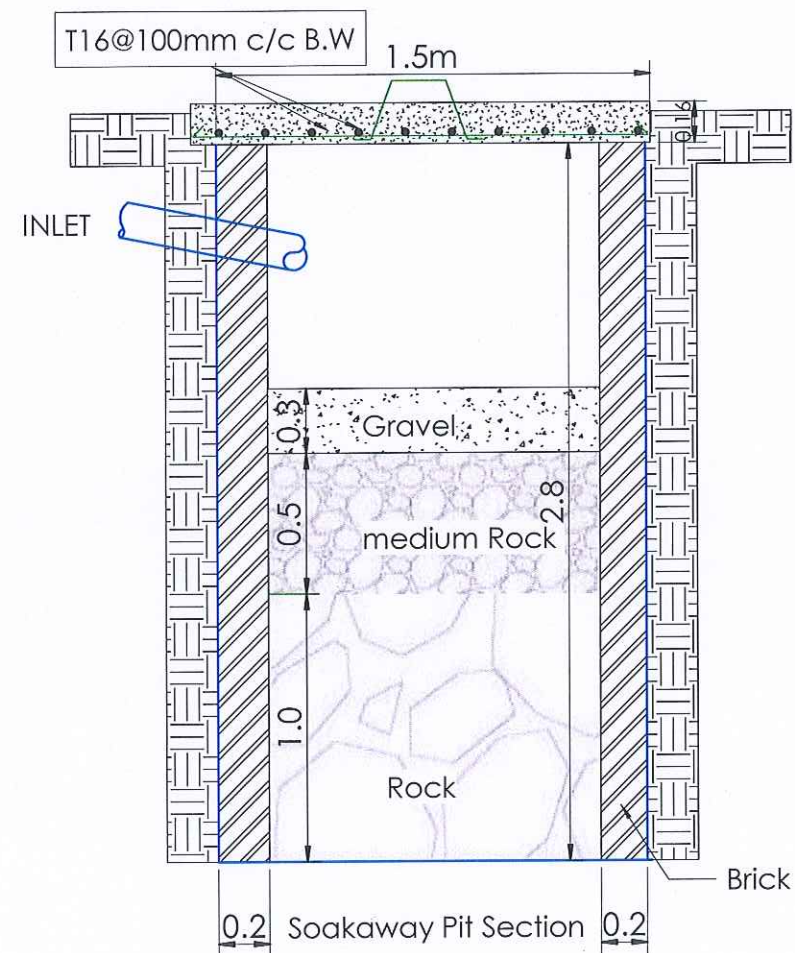
SCALE: As indicated





G.T - Section

Scale 1:20



Scale 1:55



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Cooperation - SDN  
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DOUBLE DTIC ENGINEERING

PROGRAM TITLE:  
T05-EUTF-HOA-SD-73-01

PROJECT TITLE:  
PHC of Al Salam - Nutrition  
program (ALF05)

LOCATION:  
Northern East Al Fasher

STRUCTURAL ENGINEER:  
ENG. IBRAHIM MOHAMMED IBRAHIM

CHECKED BY:  
ENG. AMRAN MOHAMMED OTHMAN

DRAWING TITLE:  
Pumping - Absorbing Wells  
details

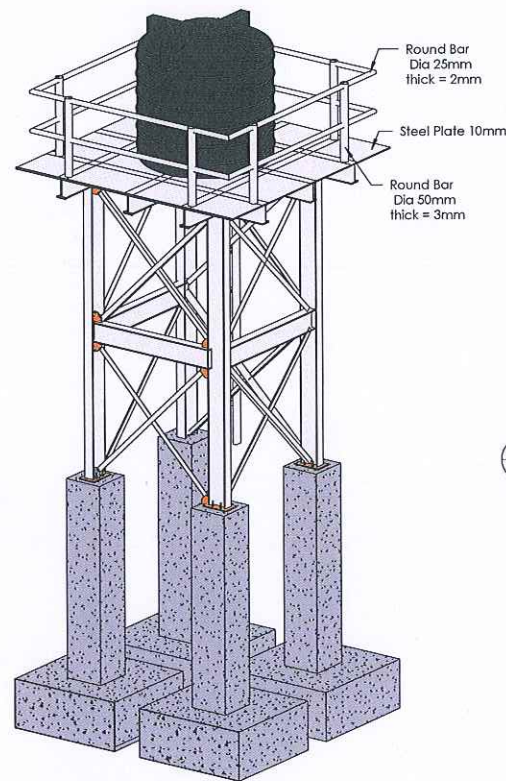
DATE: January 2022

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GP\_03

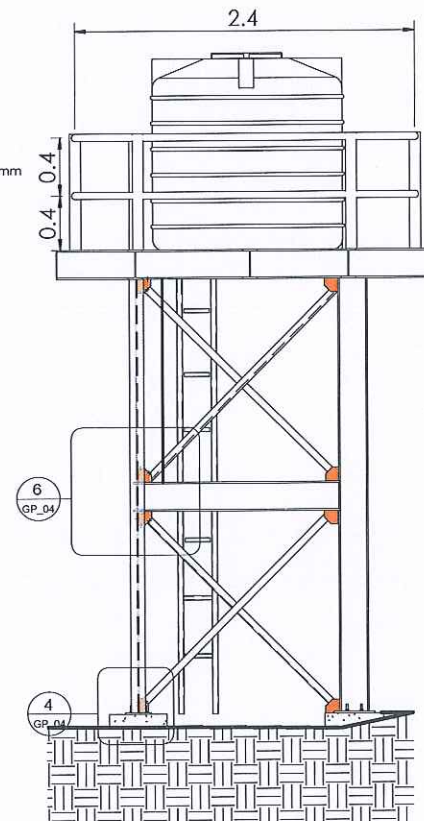
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indicated



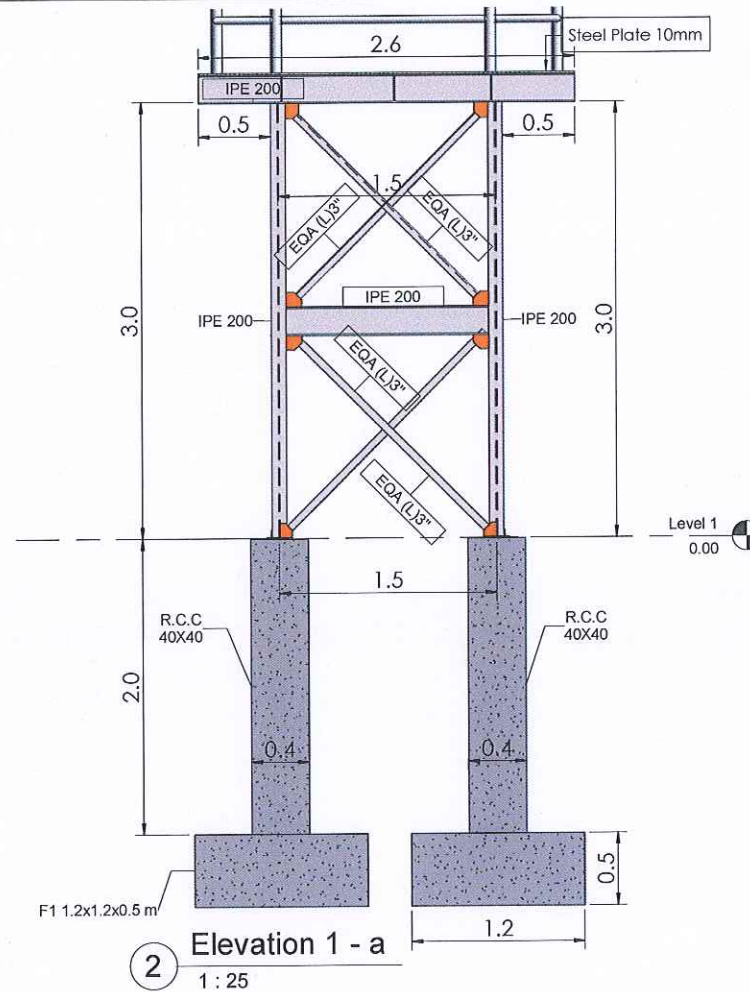




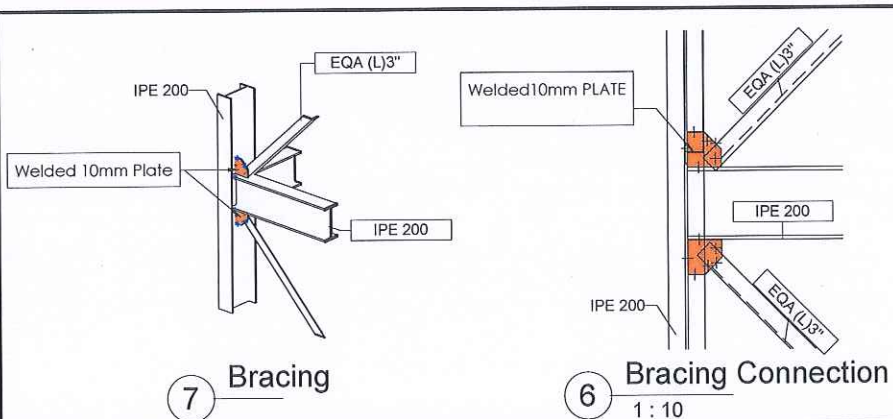
8 Water Tank - 3D



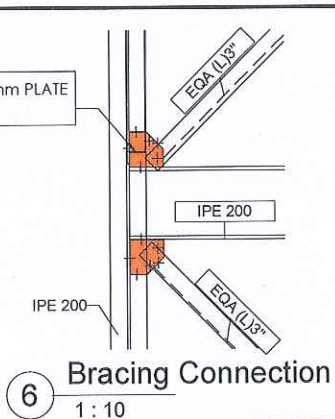
3 Elevation 1 - b  
1 : 25



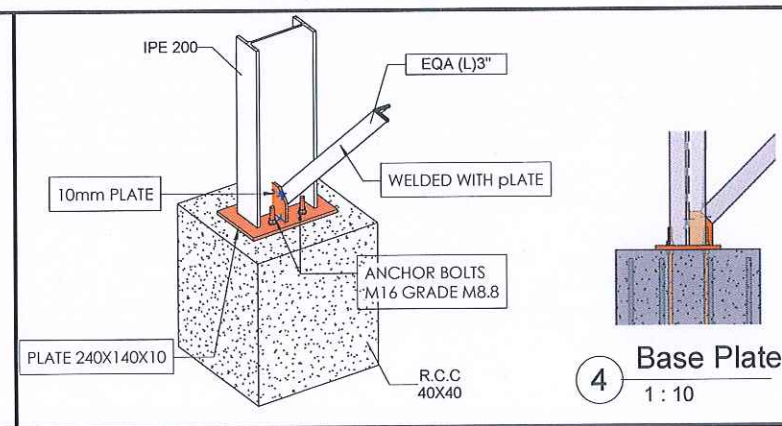
2 Elevation 1 - a  
1 : 25



7 Bracing



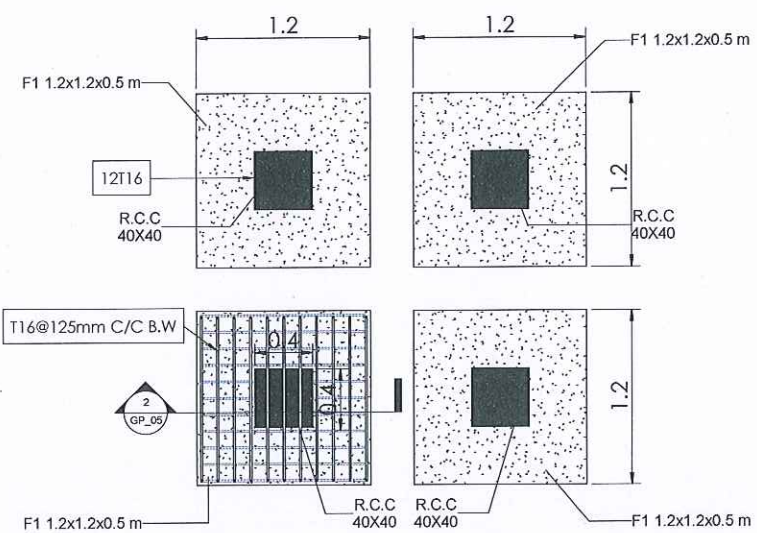
6 Bracing Connection  
1 : 10



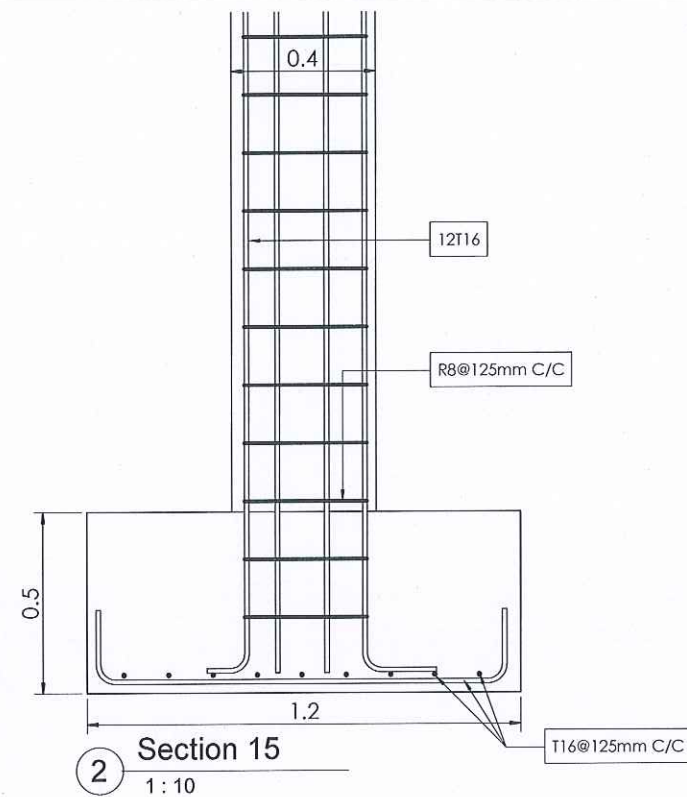
4 Base Plate  
1 : 10

AICS-Italian Agency for Development Cooperation - SDN 13 Project St. no 33 Amarat, House no 25 Block 12 K-east Khartoum, SUDAN
AL-Amarat Mohamed Nageeb Street, Khartoum TEL: +249925451234 +249115418666 EMAIL: DQTC.ENGINEERING@GMAIL.COM
PROGRAM TITLE: T05-EUTF-HOA-SD-73-01
PROJECT TITLE: PHC of Al Salam - Nutrition program (ALF05)
LOCATION: Northern East Al Fasher
ARCHITECT: ENG. Rabab Azhari Fadle Elseed
STRUCTURAL ENGINEER: ENG. IBRAHIM MOHAMMED IBRAHIM
CHECKED BY: ENG. AMRAN MOHAMMED OTHMAN
DRAWING TITLE: Water Tower Details
DATE: January 2022
INDEX: GP_04
SCALE: As indicated

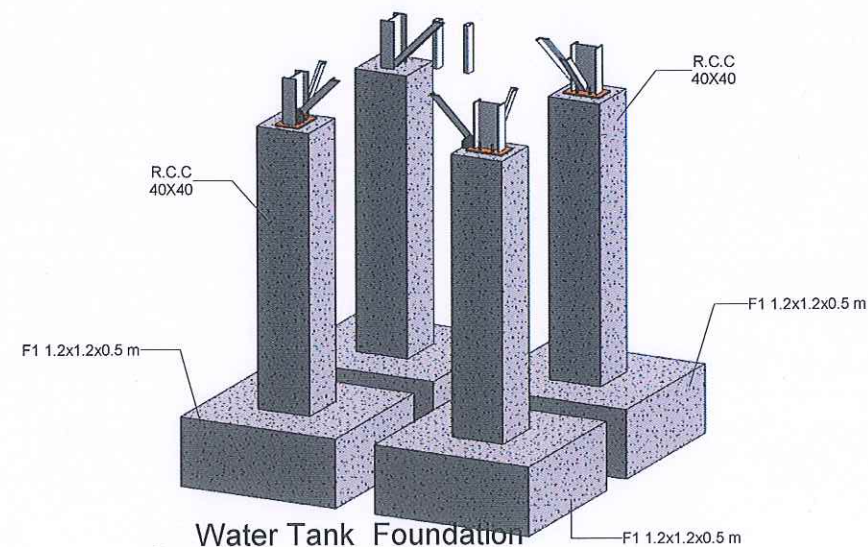




1 Foundation Plan  
1:25



2 Section 15  
1:10



3 Water Tank Foundation  
(3D)



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PROGRAM TITLE:

T05-EUTF-HOA-SD-73-01

PROJECT TITLE:

PHC of Al Salam - Nutrition program  
(AIFDS)

LOCATION:

Northern East Al Fasher

ARCHITECT:

ENG. Rabab Azhar Fadle Elseed

STRUCTURAL ENGINEER:

ENG. IBRAHIM MOHAMMED IBRAHIM

CHECKED BY:

ENG. AMRAN MOHAMMED OTHMAN

DRAWING TITLE:

WATER TOWER FOUNDATION  
DETAILS

DATE: January 2022

INDEX:

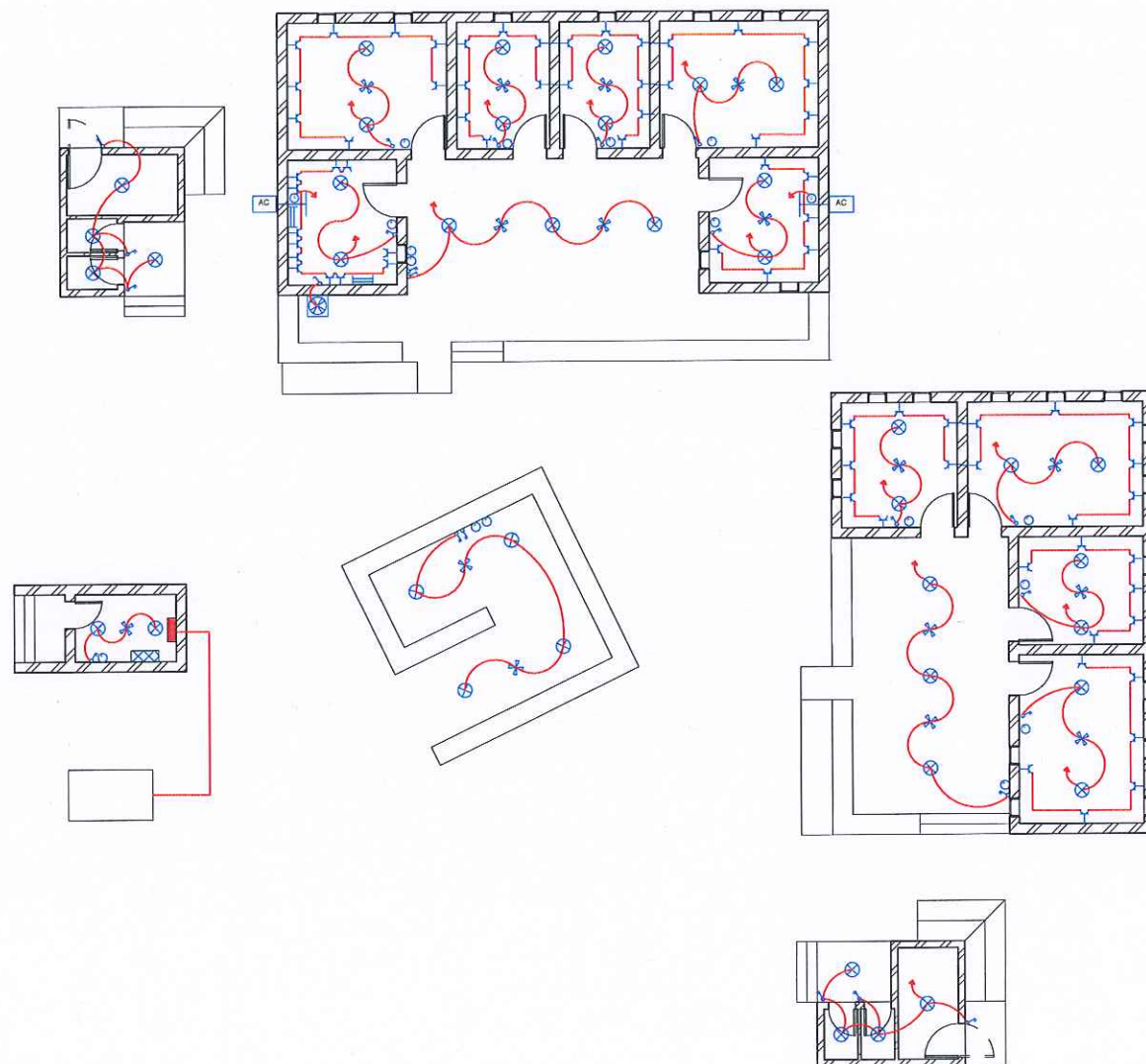
GP\_05

SCALE:

As indicated







1 GENERAL PLAN  
1 : 150

DESCRIPTION	
	SINGLE LIGHT SWITCH
	DOUBLE LIGHT SWITCH
	TRIPLE LIGHT SWITCH
	SOCKET OUTLET POINT
	AC SWITCH 45 AMP
	FAN SWITCH
	NEON LAMP
	CEILING LAMP
	CEILING FAN
	EXHAUST FAN
	AIR CONDITIONER 24000BTU
	INVERTOR
	MAIN DISTRIBUTION BOARD
	GENERATOR



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PROGRAM TITLE:

TOS-EUF-HOA-SD-73-01

PROJECT TITLE:

PHC of Al Salam - Nutrition  
Program

LOCATION:

Northern East Al Fasher

ELECTRICAL ENGINEER:

ENG. MOHAMMED SALAH ALAMIR

CHECKED BY:

ENG. AMRAN MOHAMMED OTHMAN

DRAWING TITLE:

GENERAL PLAN ELECTRICAL  
LAYOUT

DATE: JANUARY 2022

INDEX:

GPE\_06

SCALE:

1 : 150





PROGRAM TITLE:

T05-EUTF-HOA-SD-73-01

PROJECT TITLE:

PHC of Al Salam - Nutrition  
program (ALF05)

LOCATION:

Northern East Al Fasher

STRUCTURAL ENGINEER:

ENG. IBRAHIM MOHAMMED IBRAHIM

CHECKED BY:

ENG. AMRAN MOHAMMED OTHMAN

DRAWING TITLE:

Children Play Ground Plan

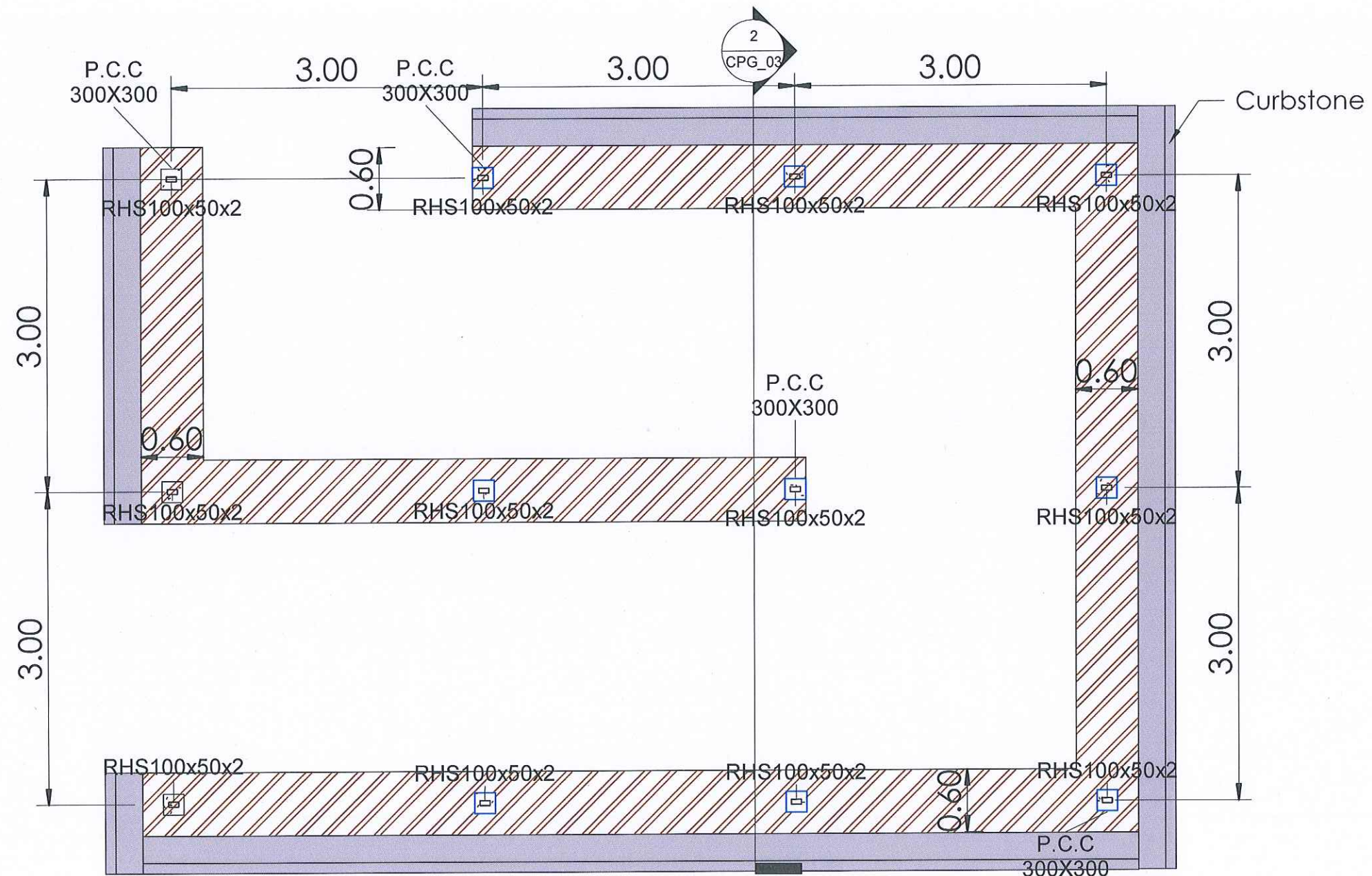
DATE: January 2022

INDEX:

CPG\_01

SCALE:

1 : 50



1 Children Play Ground  
1 : 50



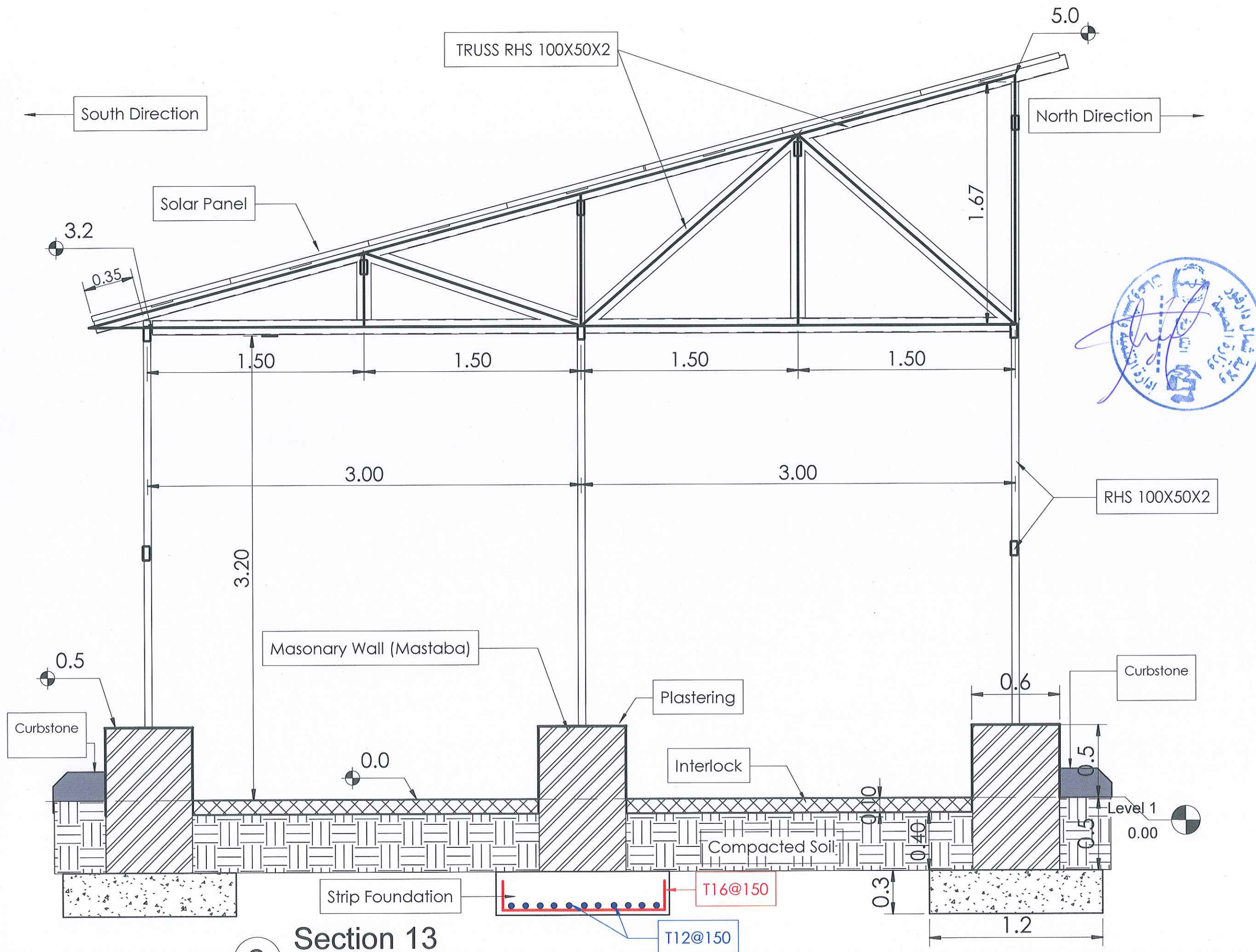




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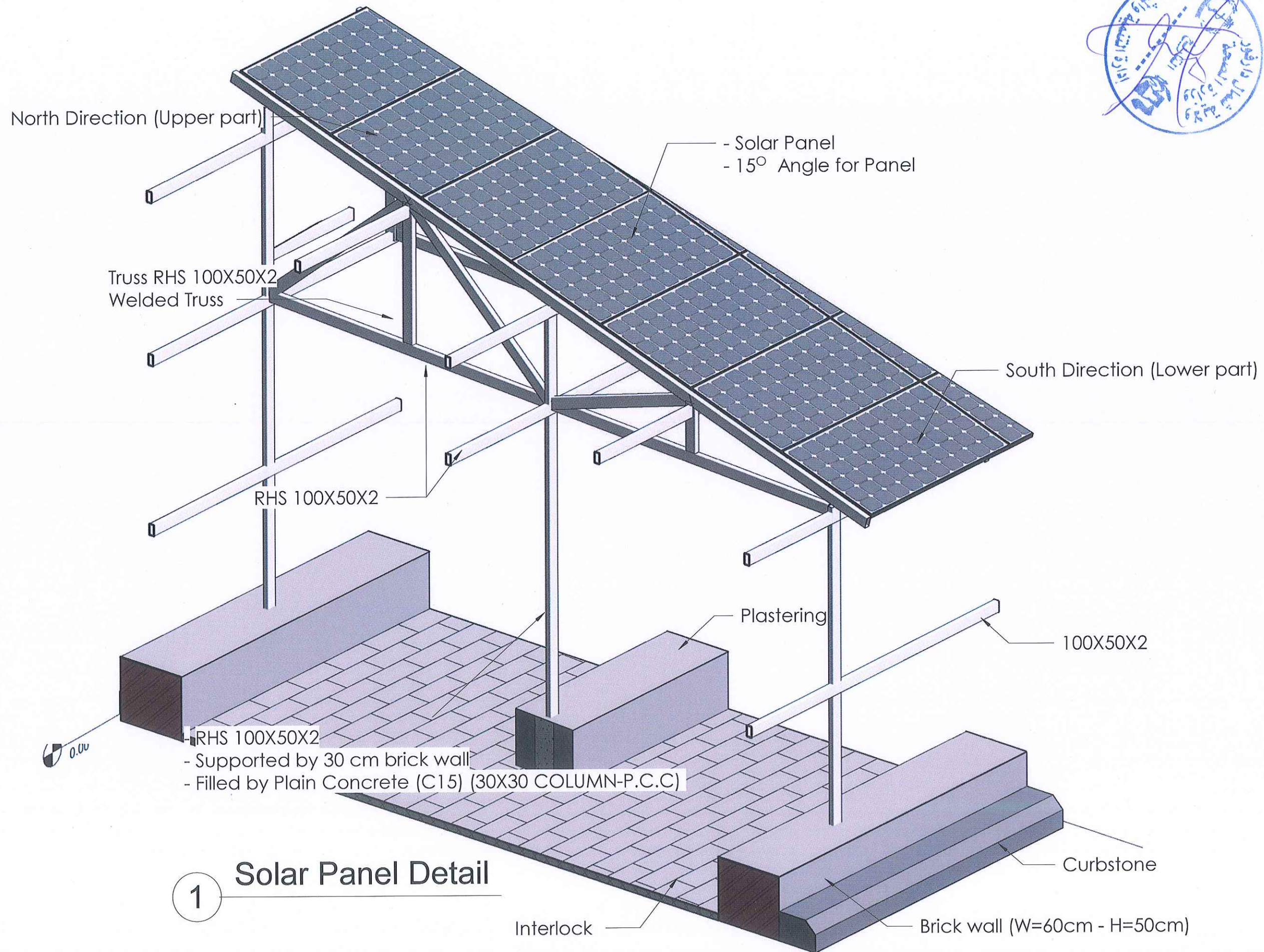




2 Section 13  
1 : 25

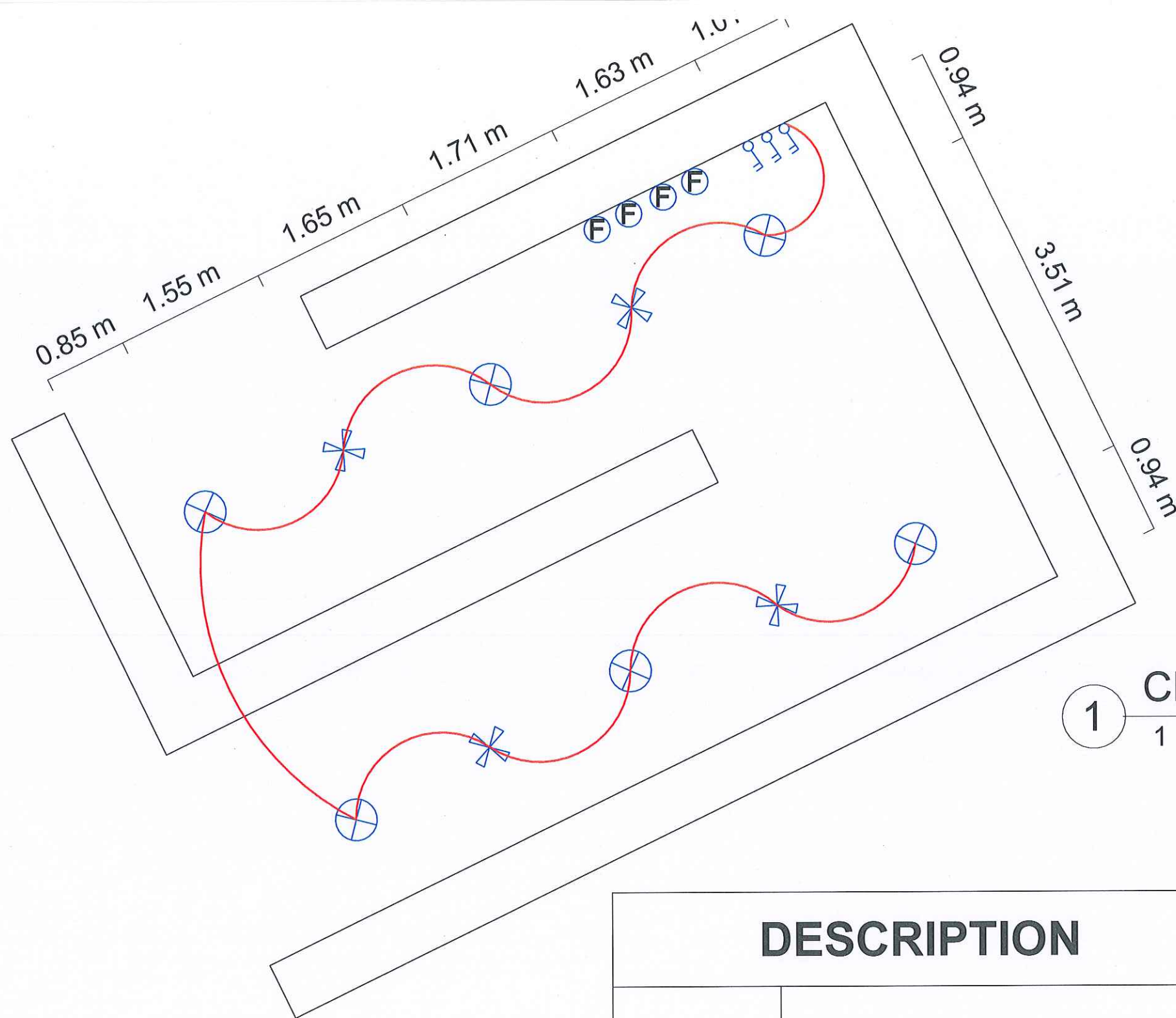








# 1 Solar Panel Detail





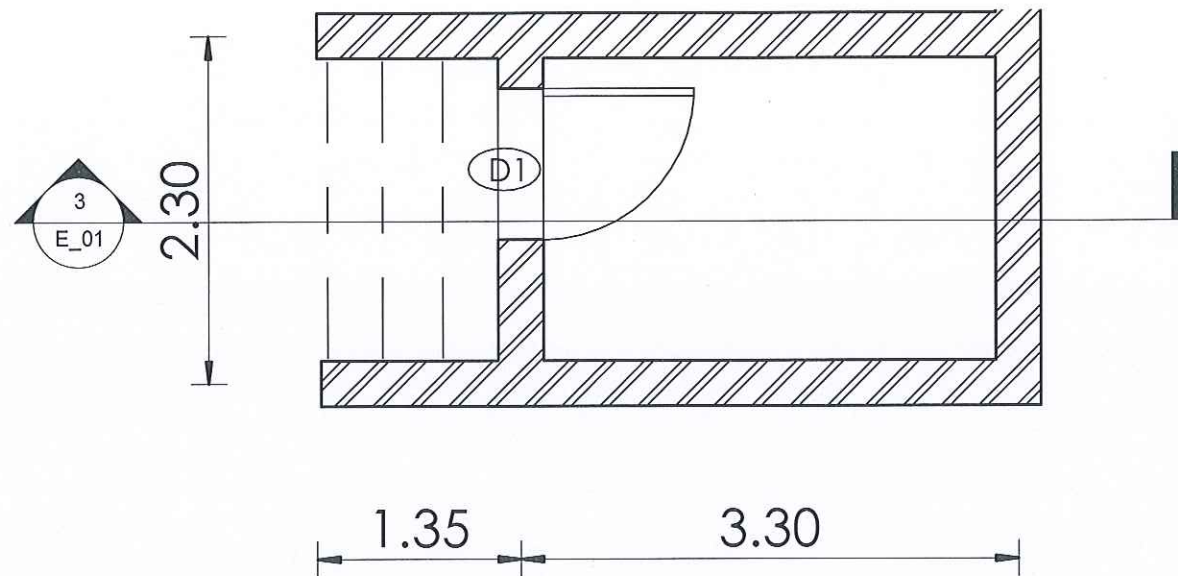
1 CHILDREN PLAY GROUND  
1 : 50



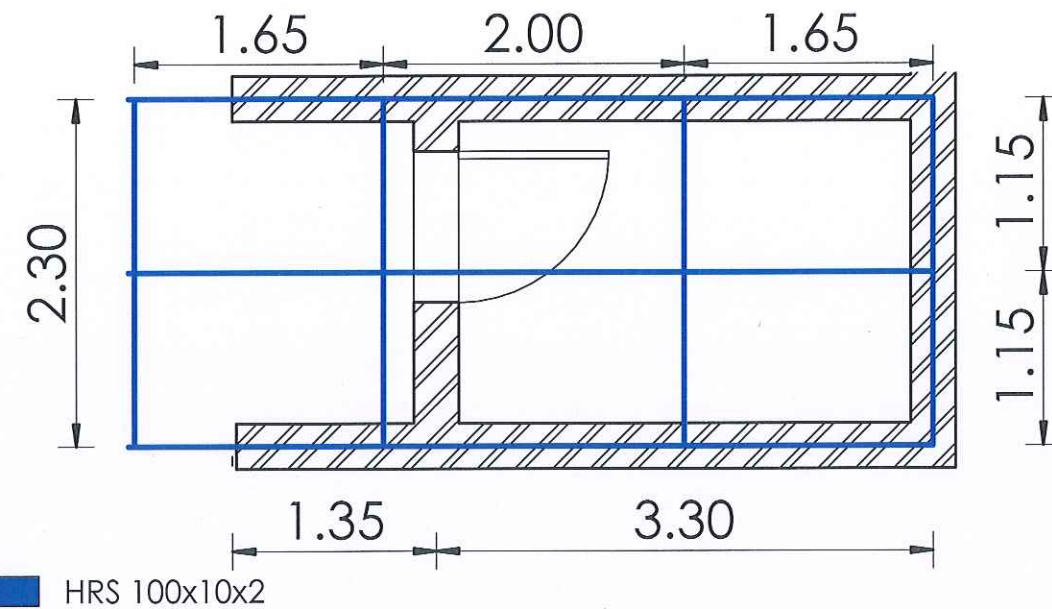
DESCRIPTION		DESCRIPTION	
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	DOUBLE LIGHT SWITCH		CEILING LAMP
	TRIPLE LIGHT SWITCH		CEILING FAN



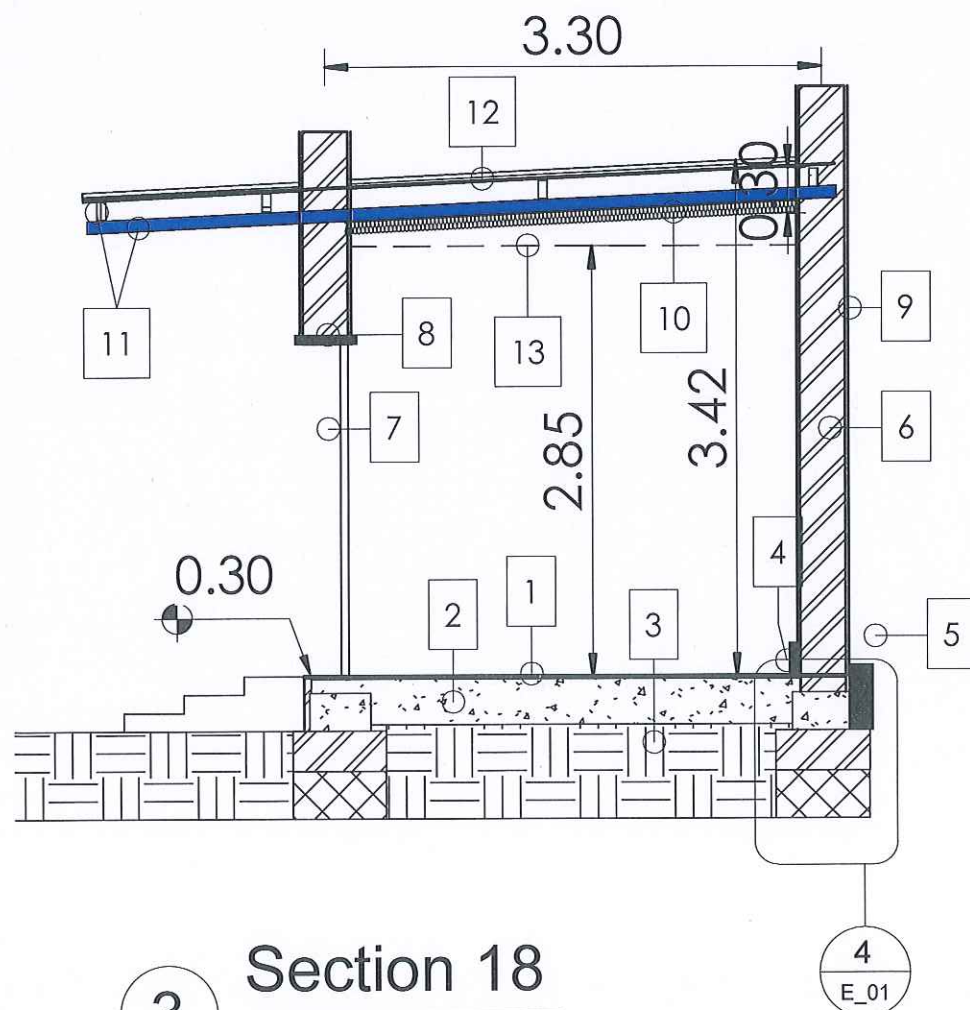




1 Electrical room plan.  
1 : 50

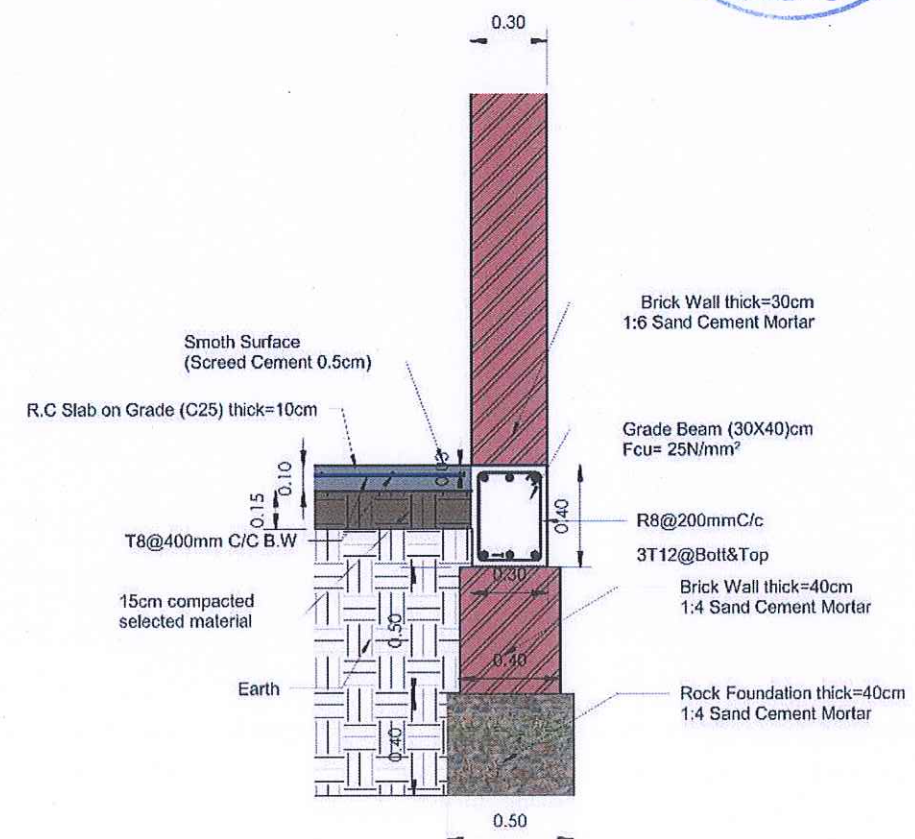


2 Electrical room roof plan  
1 : 50



3 Section 18  
1 : 50

1	Tiles (internal ceramic )
2	Reinforced Concrete(C20)
3	Compacted Soil
4	Skirting Tiles
5	Curbstone
6	Wall
7	Door
8	Lintel Beam
9	Screed and Paint
10	Insulation Layre
11	HRS 10X5X2
12	Steel Sheet (Zinc)
13	False Ceiling



4 Section 18 - Callout 1  
1 : 50

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DOUBLE QTC ENGINEERING

PROGRAM TITLE:

T05-EUTF-HOA-SD-73-01

PROJECT TITLE:

PHC of Al Salam - Nutrition program (ALF05)

LOCATION:

Northern East Al Fasher

STRUCTURAL ENGINEER:

ENG. IBRAHIM MOHAMMED IBRAHIM

CHECKED BY:

ENG. AMRAN MOHAMMED OTHMAN

DRAWING TITLE:

Electrical Room

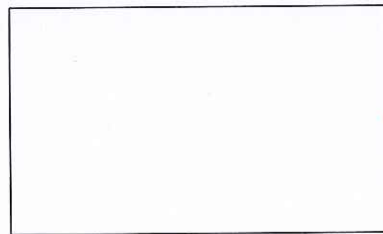
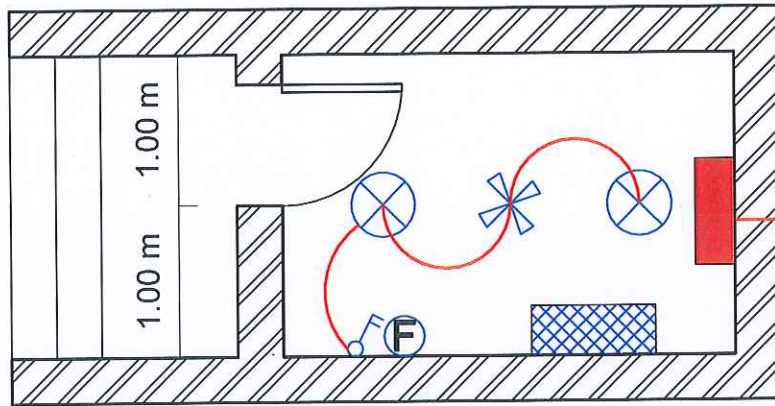
DATE: JANUARY 2022

INDEX: E\_01

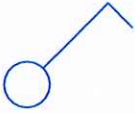







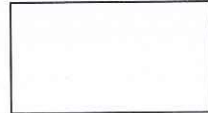
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0.50 m 1.01 m 0.85 m 0.63 m



## DESCRIPTION

	SINGLE LIGHT SWITCH
	DOUBLE LIGHT SWITCH
	TRIPLE LIGHT SWITCH
	FAN SWITCH
	CEILING LAMP
	CEILING FAN
	INVERTOR
	MAIN DISTRIBUTION BOARD
	GENERATOR

**ELECTRICAL ROOM**

1

1 : 50

PROGRAM TITLE:

T05-EUF-HOA-SD-73-01

PROJECT TITLE:

PHC of Al Salam - Nutrition  
Program

LOCATION:

Northern East Al Fasher

ELECTRICAL ENGINEER:

ENG. MOHAMMED SALAH ALAMIR

CHECKED BY:

ENG. AMRAN MOHAMMED OTHMAN

DRAWING TITLE:

ELECTRICAL ROOM. ELECTRICAL  
LAYOUT

DATE: JANUARY 2022

INDEX:

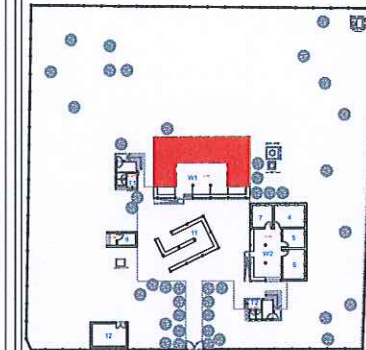
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
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1 : 50







LEGEND	
	Description
	new internal flooring(+0.30)with ceramic tiles (60x60cm)
	Screed cement finishing for ramp
	Skirting ceramic h=15cm
	Curbstone h=30cm
	Wall ceramic tiles(15 x 15cm) H:2 M
	INTERLOCK

DATE:  
JANUARY 2022

PROPERTY OF :  
Italian Agency for Development  
Cooperation -T05-EUTF-HOA-SDN-73-01

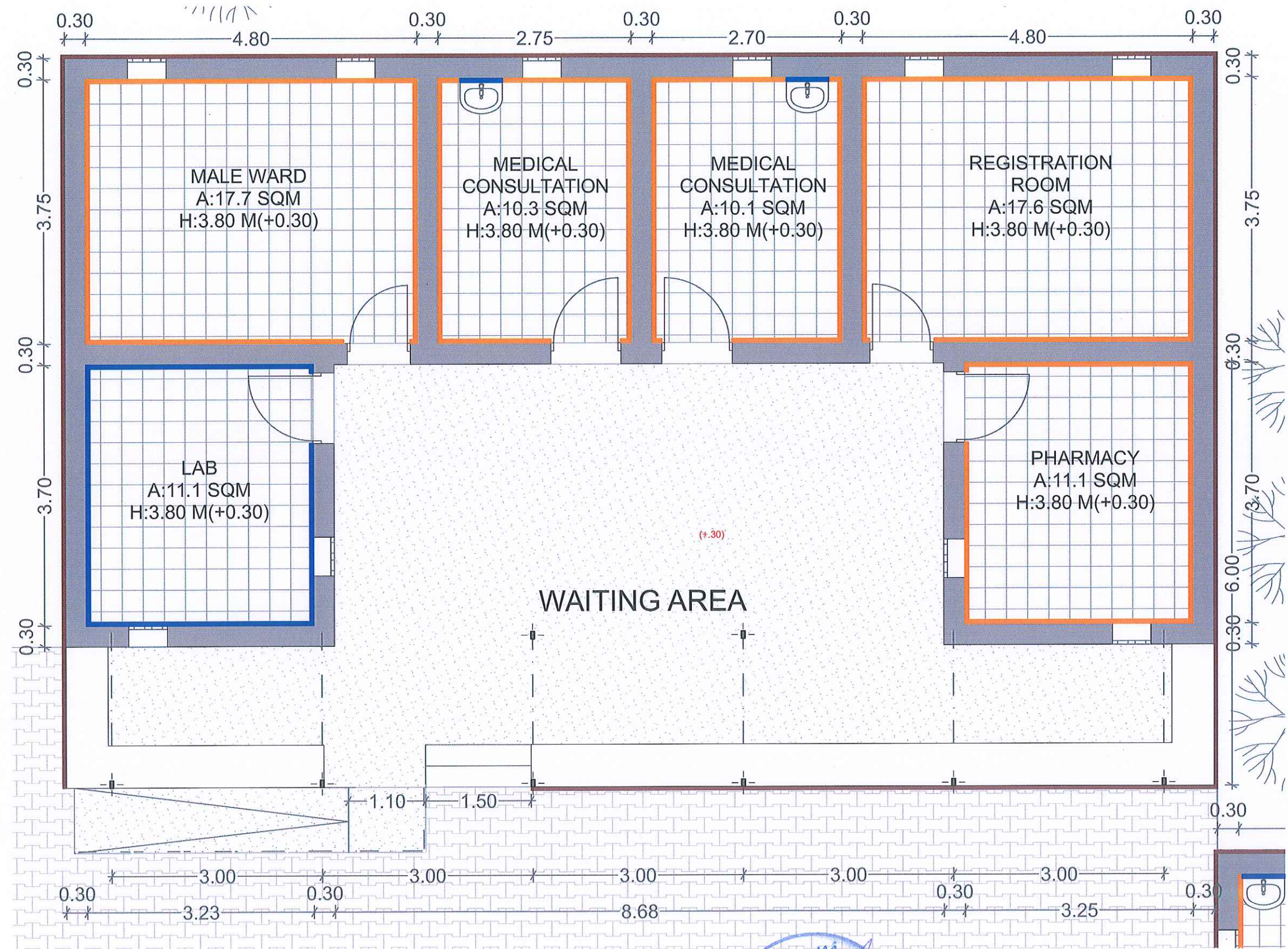
PROJECT NAME :  
PHC OF AL SALAM - NUTRITION  
PROGRAM (ALF05)

LOCATION :  
NORTHERN EAST AL FASHER

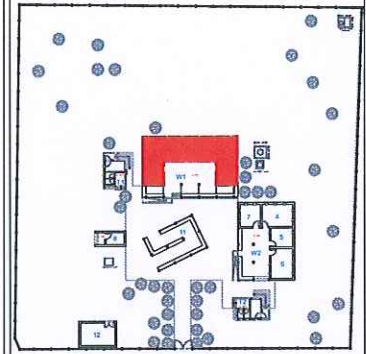
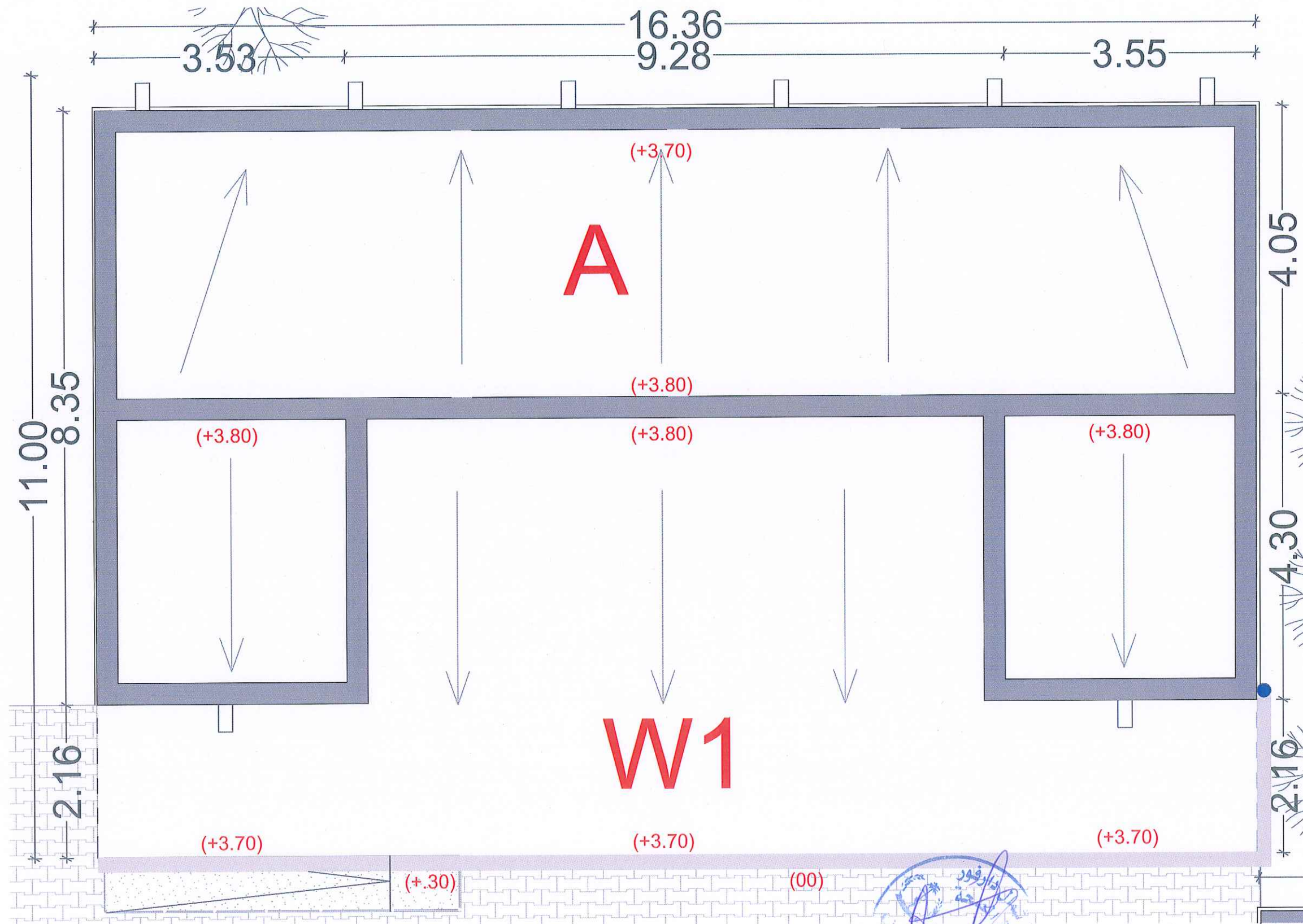
ARCHITECT :  
ENG.Rabab Azhari Fadle Elseed  
STRUCTURAL ENGINEER :  
ENG.Designer IBRAHEM MOHAMED  
CHECKED BY :  
ENG. AMRAN MOHAMMED OTHMAN

DRAWING TITLE :  
GROUND FLOOR PLAN





INDEX : A-01	SCALE : 1:60	
-----------------	-----------------	---







### LEGEND

Description	
corrugated metal (american) sheet	
INTERLOCK	
Vally Gutter	
100 mm rain water drainage pipe	

DATE:  
JANUARY 2022

PROPERTY OF :  
Italian Agency for Development  
Cooperation -T05-EUTF-HOA-SDN-73-01

PROJECT NAME :  
PHC OF AL SALAM - NUTRITION  
PROGRAM (ALF05)

LOCATION :  
NORTHERN EAST AL FASHER

ARCHITECT :  
ENG.Rabab Azhari Fadle Elseed

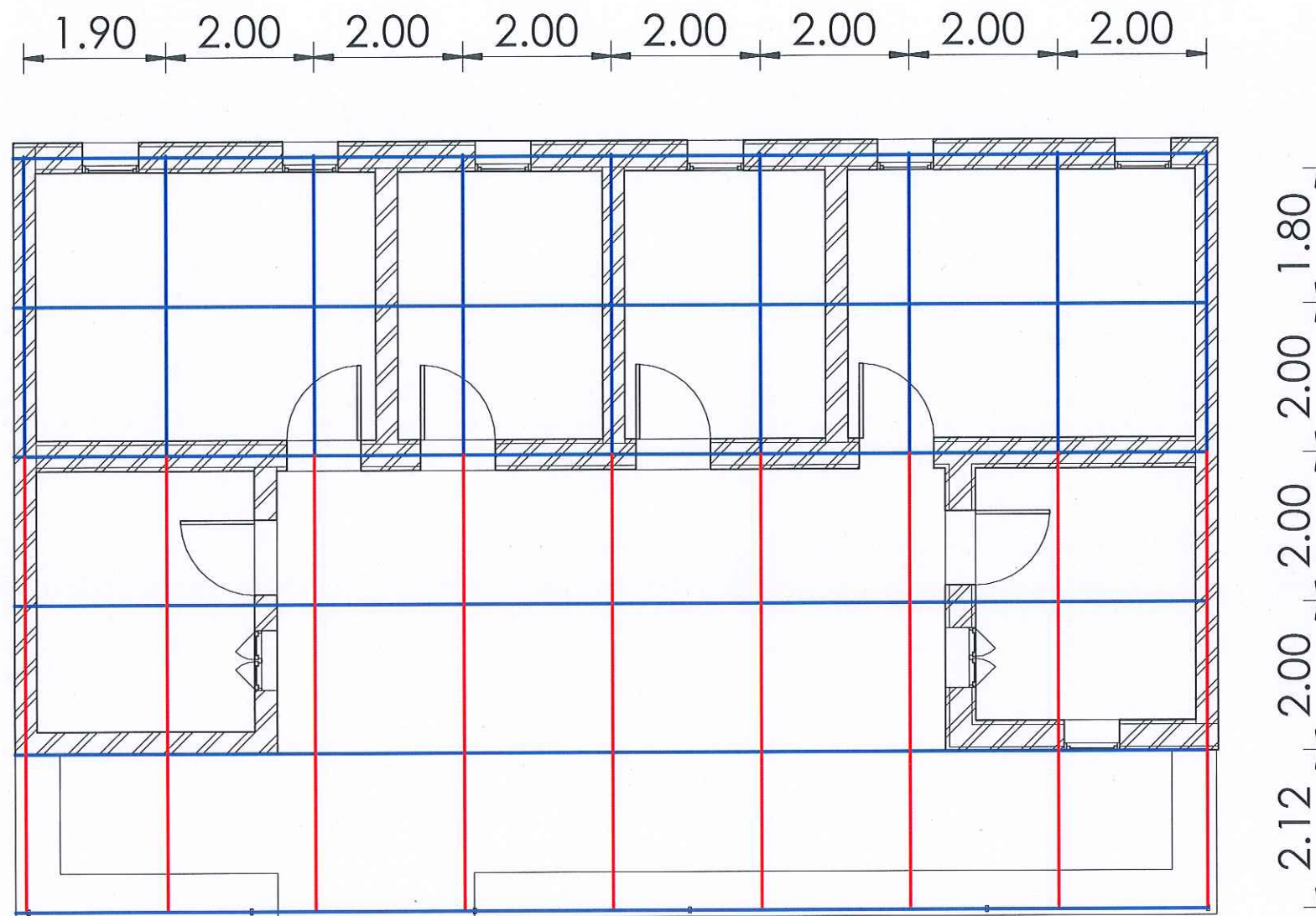
STRUCTURAL ENGINEER :  
ENG.Designer IBRAHEM MOHAMED

CHECKED BY :  
ENG. AMRAN MOHAMMED OTHMAN

DRAWING TITLE :  
ROOF PLAN

INDEX : A-02      SCALE : 1:60      





1 Roof Structure Plan  
1 : 85

■ HRS 100x10x2  
■ HRS 100x10x2



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Cooperation - SDN  
13 Project St. no 33 Amarat, House no 25  
Block 12 K-east Khartoum, SUDAN

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TEL: +249925451234  
+249115418666

EMAIL: DQTC.ENGINEERING@GMAIL.COM



DOUBLE QTC ENGINEERING

PROGRAM TITLE:

T05-EUTF-HOA-SD-73-01

PROJECT TITLE:

PHC of Al Salam - Nutrition  
program (ALF05)

LOCATION:

Northern East Al Fasher

STRUCTURAL ENGINEER:

ENG. IBRAHIM MOHAMMED IBRAHIM

CHECKED BY:

ENG. AMRAN MOHAMMED OTHMAN

DRAWING TITLE:

Roof Structure Plan

DATE: January 2022

INDEX:

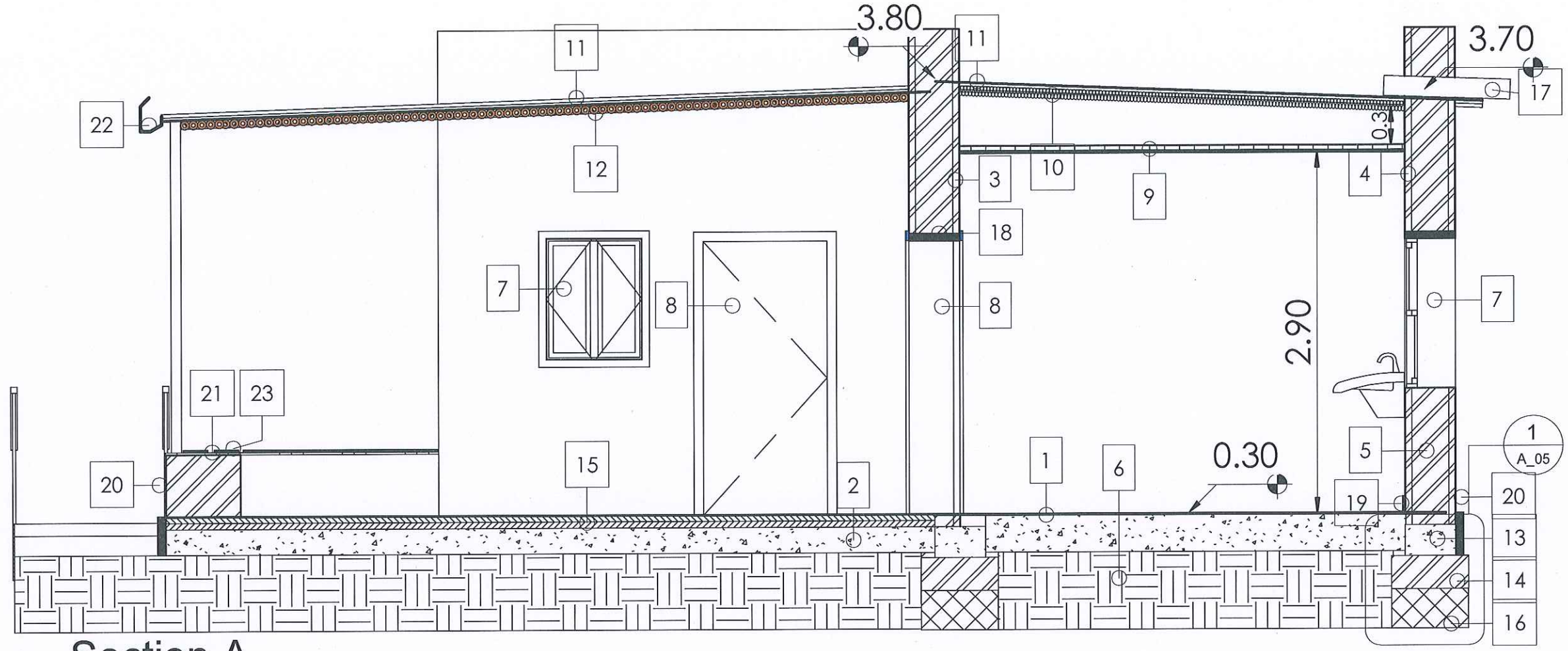
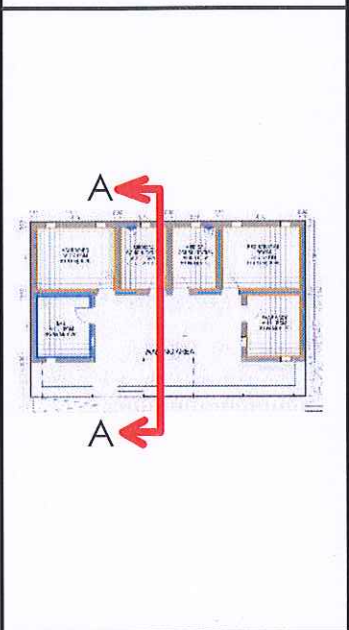
A\_03

SCALE:

1 : 85







**1** Section A  
1 : 40

1	Tiles (internal ceramic )	8	Door	15	Concrete Floor	22	Galvanized Gutter
2	Reinforced Concrete(C20)	9	False Ceiling	16	Rock Foundation	23	Wodden Planks
3	Paint	10	Insulation Layre	17	PVC Pipe		
4	Screed	11	Steel Sheet (Zinc)	18	Lintel Beam		
5	Wall	12	Bambo	19	Skirting Tiles		
6	Compacted Soil	13	Grade Beam	20	Curbstone		
7	Window	14	Wall 40 cm (Gasa)	21	Plaster		



PROGRAM TITLE :  
T05-EUTF-HOA-SD-73-01

PROJECT TITLE :  
PHC of Al Salam - Nutrition  
program (ALF05)

LOCATION :  
Northern East Al Fasher

STRUCTURAL ENGINEER :  
ENG. IBRAHIM MOHAMMED IBRAHIM  
CHECKED BY :  
ENG. AMRAN MOHAMMED OTHMAN

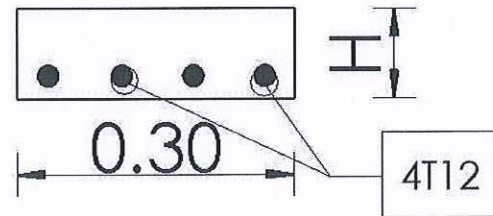
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Roof Section

DATE : January 2022

INDEX : A\_04      SCALE : 1 : 40

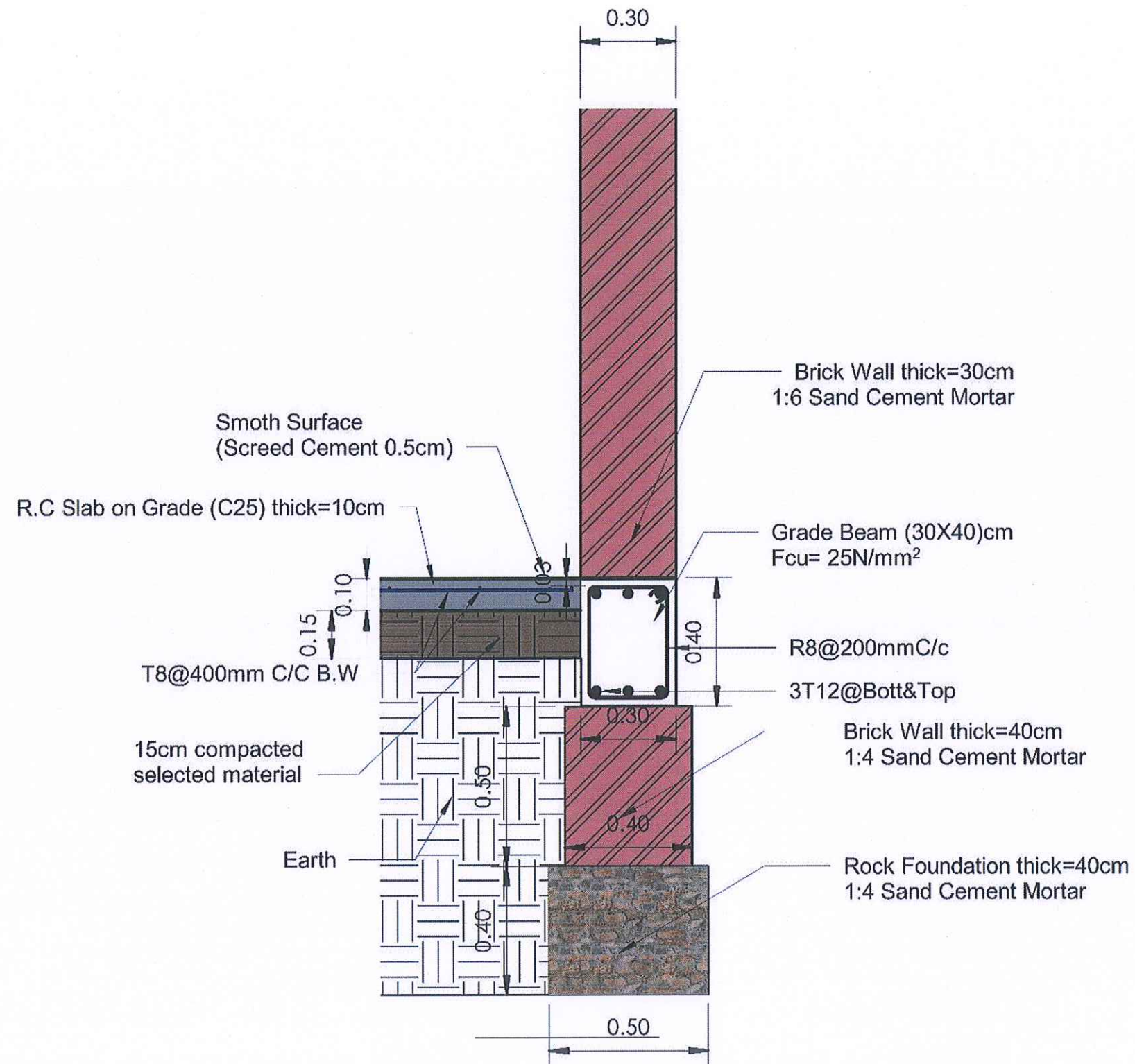


# Lintel Beam



H = 10cm for opening width = < 1 m

H = 15cm for opening width > 1 m



1

Callout A

1 : 15



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TEL. +249925451234  
+249115418666

EMAIL: [DQTC.ENGINEERING@GMAIL.COM](mailto:DQTC.ENGINEERING@GMAIL.COM)



PROGRAM TITLE:

T05-EUTF-HOA-SD-73-01

PROJECT TITLE:

PHC of Al Salam - Nutrition  
program (ALF05)

LOCATION:

Northern East Al Fasher

STRUCTURAL ENGINEER:

ENG. IBRAHIM MOHAMMED IBRAHIM

CHECKED BY:

ENG. AMRAN MOHAMMED OTHMAN

DRAWING TITLE:

Lintel Beam and Callout

DATE: January 2022

INDEX:

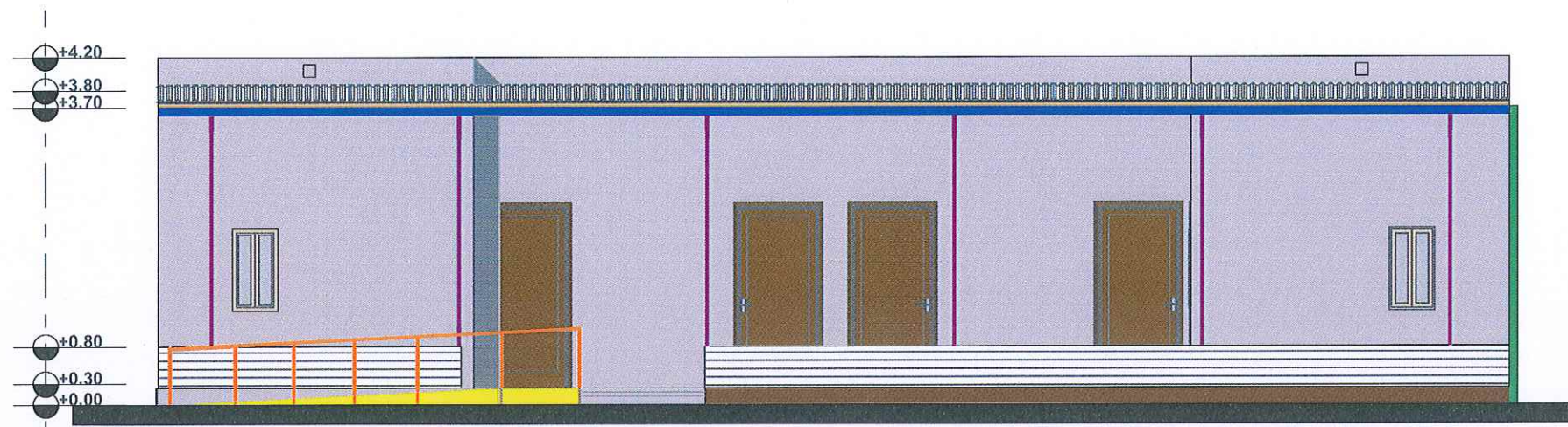
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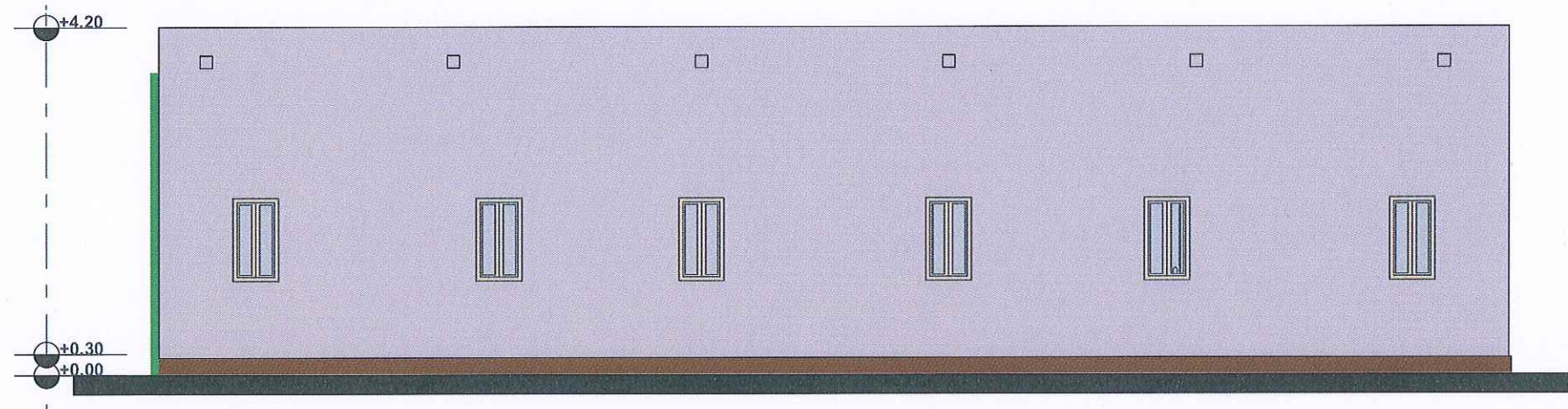
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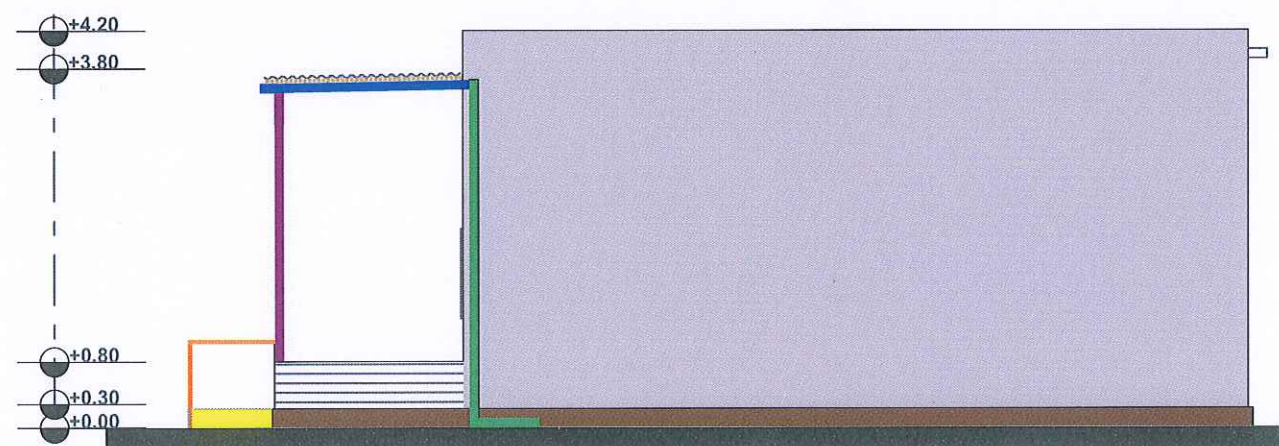




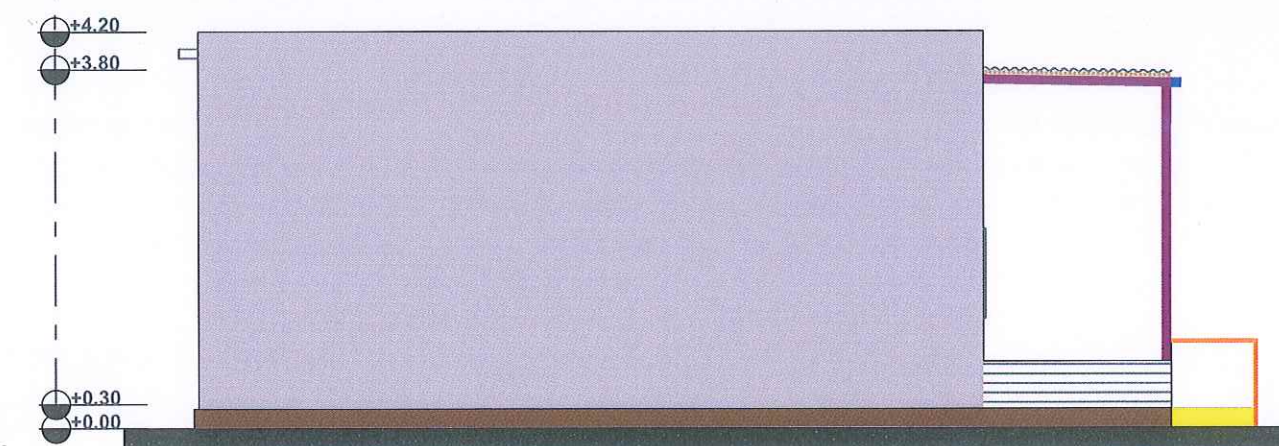
**SOUTH ELEVATION**



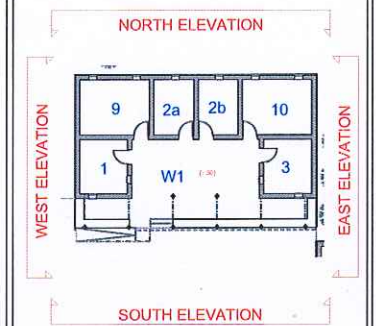
**NORTH ELEVATION**



**EAST ELEVATION**



**WEST ELEVATION**



## LEGEND

	Description
	Curbstone h=30cm
	External painting
	New flooring
	New ramp
	New handrail
	Wooden bamboo sticks
	Steel profile 10x5 cm
	Bench in bricks H=50CM
	Vally Gutter
	100 mm rain water drainage pipe

DATE:  
JANUARY 2022

PROPERTY OF :  
Italian Agency for Development  
Cooperation -T05-EUTF-HOA-SDN-73-01

PROJECT NAME :  
PHC OF AL SALAM - NUTRITION  
PROGRAM (ALF05)

LOCATION :  
NORTHERN EAST AL FASHER

ARCHITECT :  
ENG.Rabab Azhari Fadle Elseed

STRUCTURAL ENGINEER :  
ENG.Designer IBRAHEM MOHAMED

CHECKED BY :  
ENG. AMRAN MOHAMMED OTHMAN

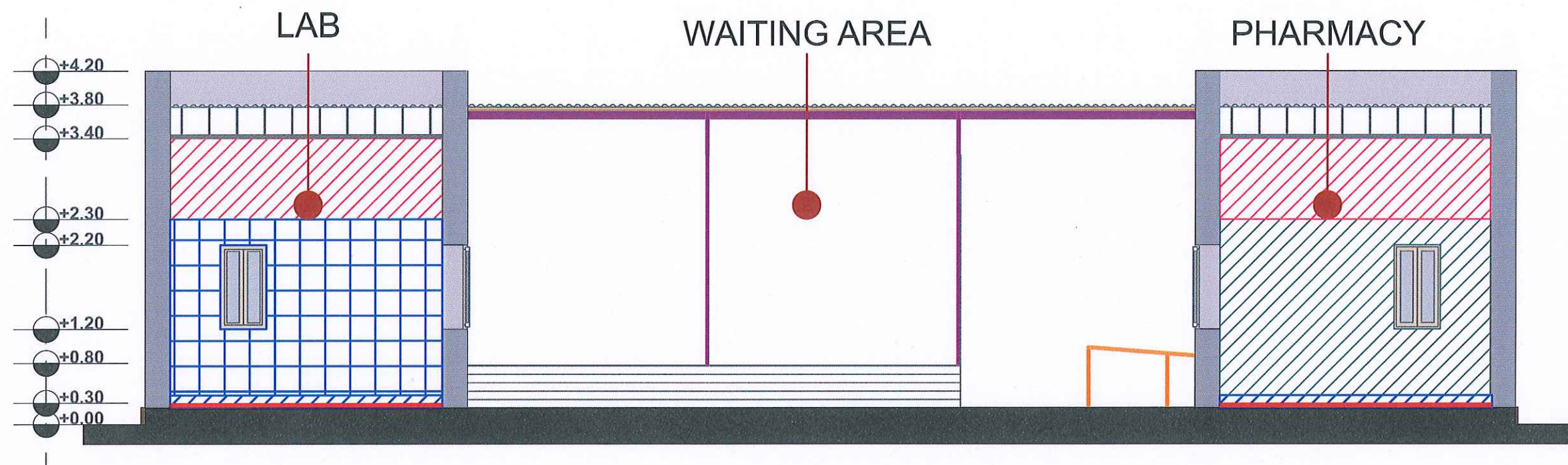
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ELEVATIONS

INDEX :  
A-06

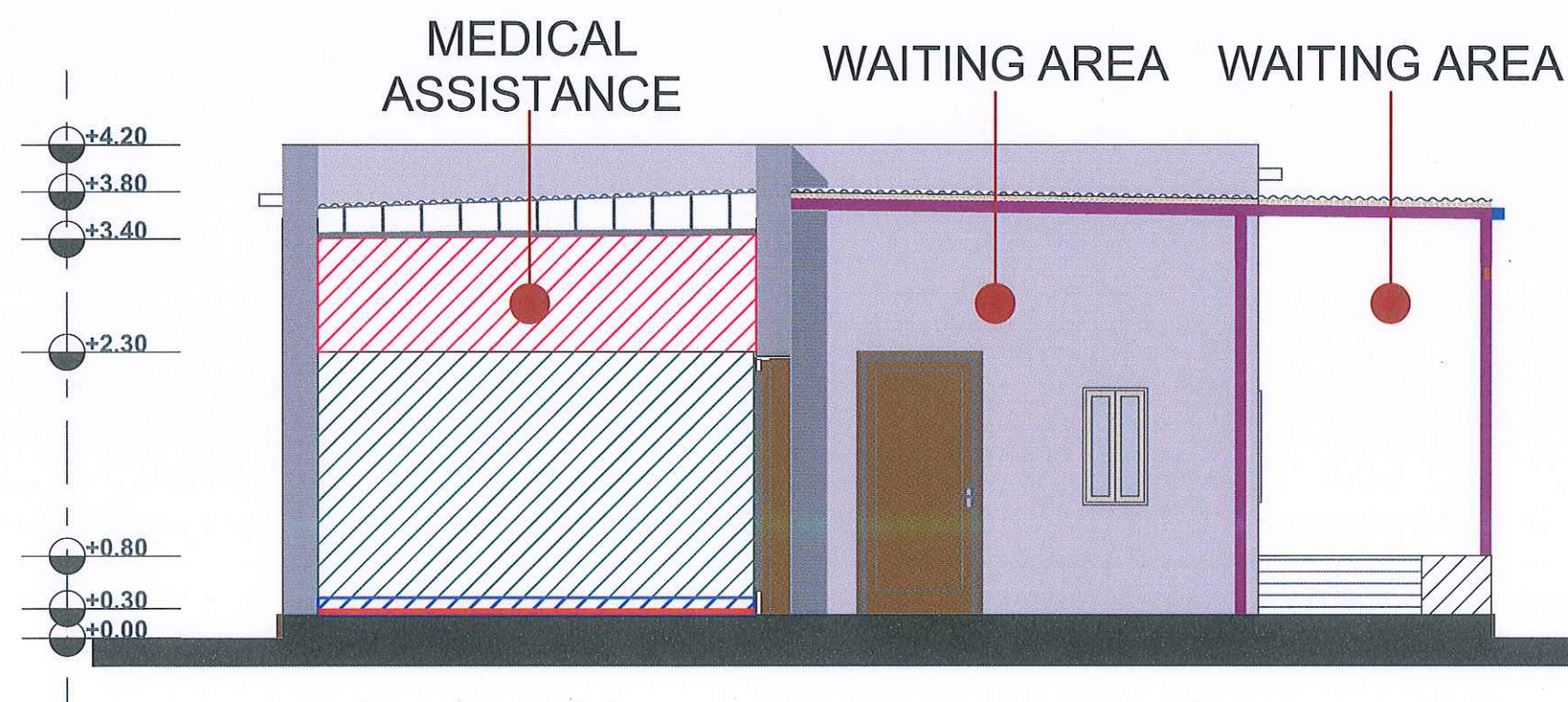
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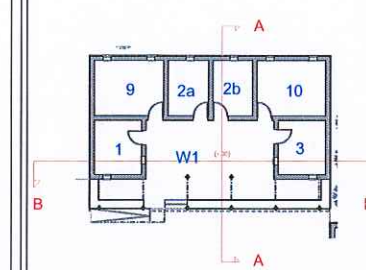




SECTION B - B



SECTION A - A



LEGEND

	Description
	Curbstone h=30cm
	External painting
	New flooring
	New ramp
	New handrail
	Wooden bamboo sticks
	Steel profile 10x5 cm
	Bench in bricks H=50CM
	Skirting tiles supply h=15cm
	Glossy oil painting (internal) from floor up to 2.00m
	Emulsion paint (internal) from 2.00m to ceiling
	WALL TILE 15x15

DATE:

JANUARY 2022

PROPERTY OF :

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Cooperation -T05-EUTF-HOA-SDN-73-01

PROJECT NAME :

PHC OF AL SALAM - NUTRITION  
PROGRAM (ALF05)

LOCATION :

NORTHERN EAST AL FASHER

ARCHITECT :

ENG.Rabab Azhari Fadle Elseed

STRUCTURAL ENGINEER :

ENG.Designer IBRAHEM MOHAMED

CHECKED BY :

ENG. AMRAN MOHAMMED OTHMAN

DRAWING TITLE :

SECTIONS -A & B-

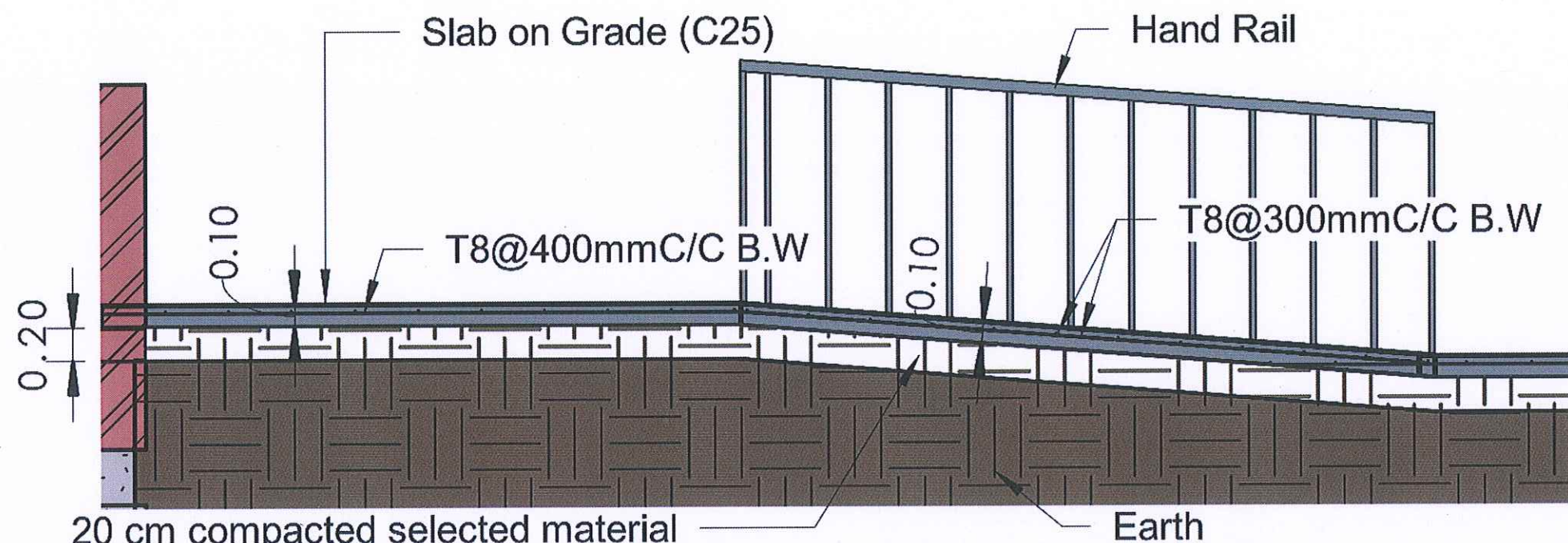
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A-07

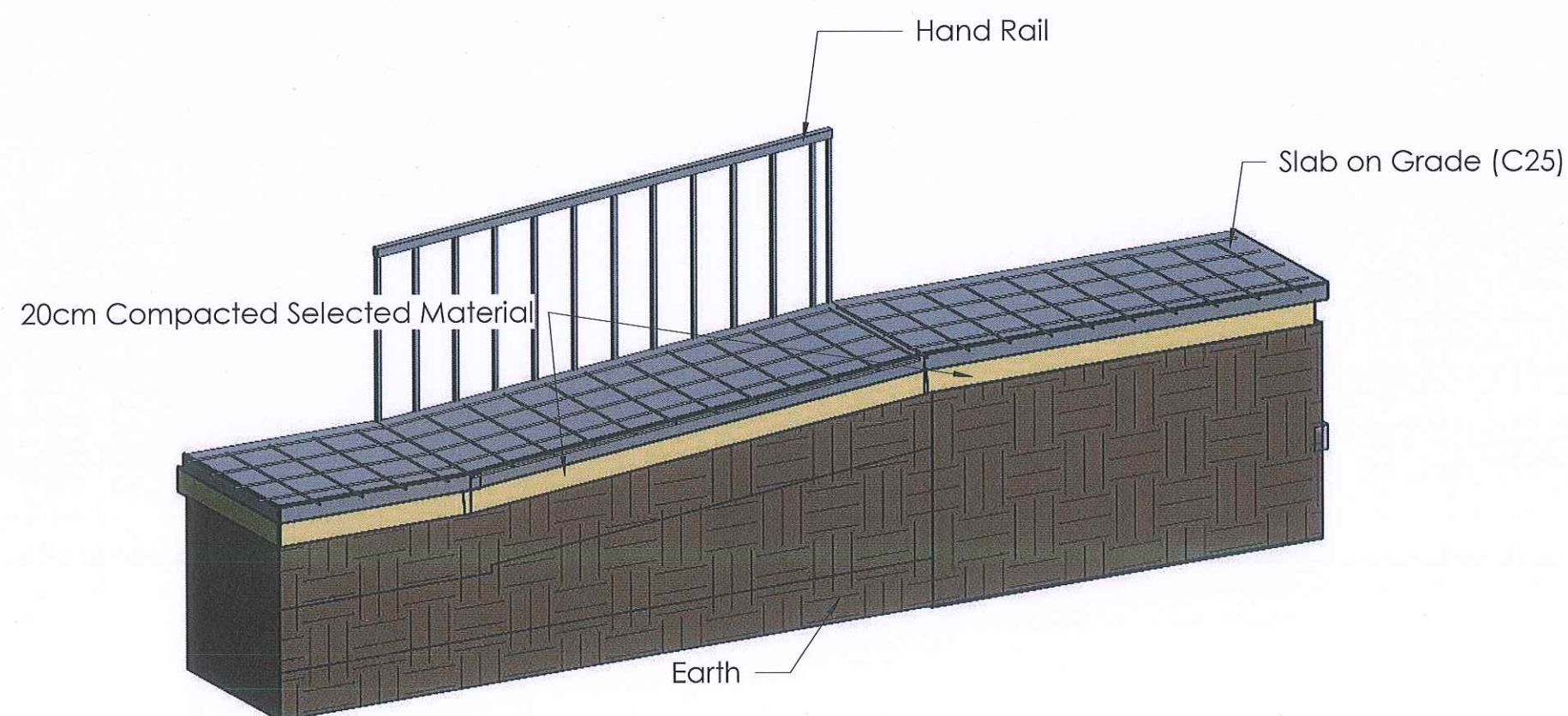
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Ramp Section 1:20

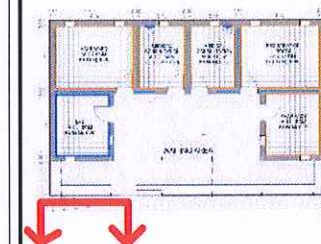


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PROGRAM TITLE:

T05-EUTF-HOA-SD-73-01

PROJECT TITLE:

PHC of Al Salam - Nutrition  
program (ALF05)

LOCATION:

Northern East Al Fasher

STRUCTURAL ENGINEER:

ENG. IBRAHIM MOHAMMED IBRAHIM

CHECKED BY:

ENG. AMRAN MOHAMMED OTHMAN

DRAWING TITLE:

Ramp Section and 3D

DATE: January 2022

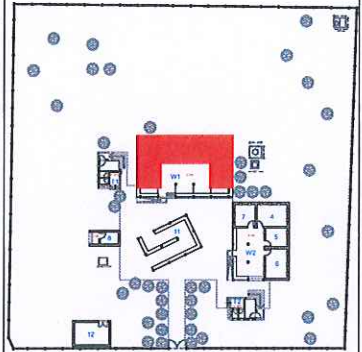
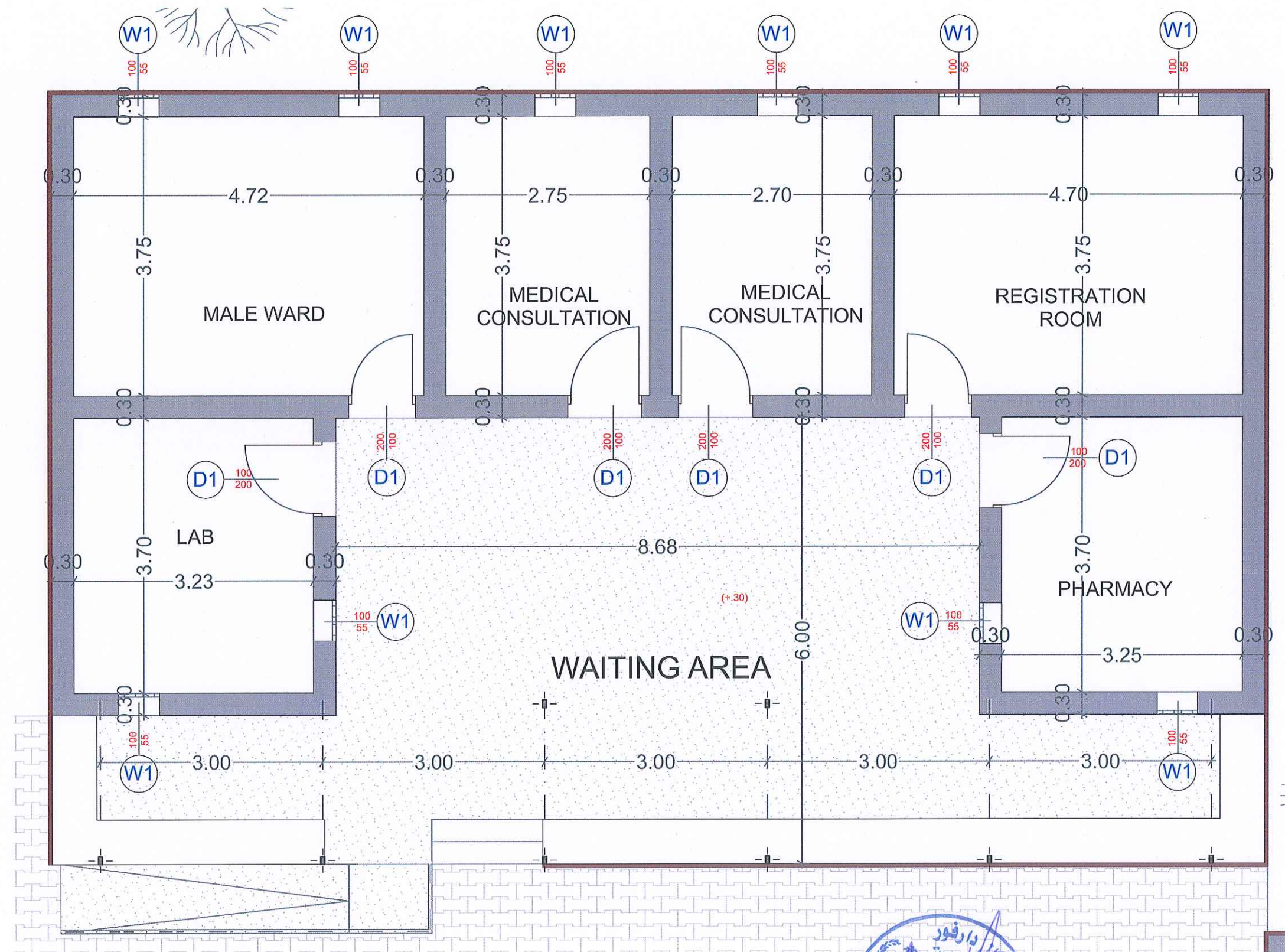
INDEX:

A\_08

SCALE:







## LEGEND

Description			
Screed cement finishing for ramp			
INTERLOCK			
CODE	H x L	Nº	MAT.
D1	1.00x2.00	6	STEEL
W1	1.00x0.55	10	STEEL

DATE:  
JANUARY 2022

PROPERTY OF :  
Italian Agency for Development  
Cooperation -T05-EUTF-HOA-SDN-73-01

PROJECT NAME :  
PHC OF AL SALAM - NUTRITION  
PROGRAM (ALF05)

LOCATION :  
NORTHERN EAST AL FASHER

ARCHITECT :  
ENG.Rabab Azhari Fadle Elseed

STRUCTURAL ENGINEER :

ENG.Designer IBRAHEM MOHAMED

CHECKED BY :  
ENG. AMRAN MOHAMMED OTHMAN

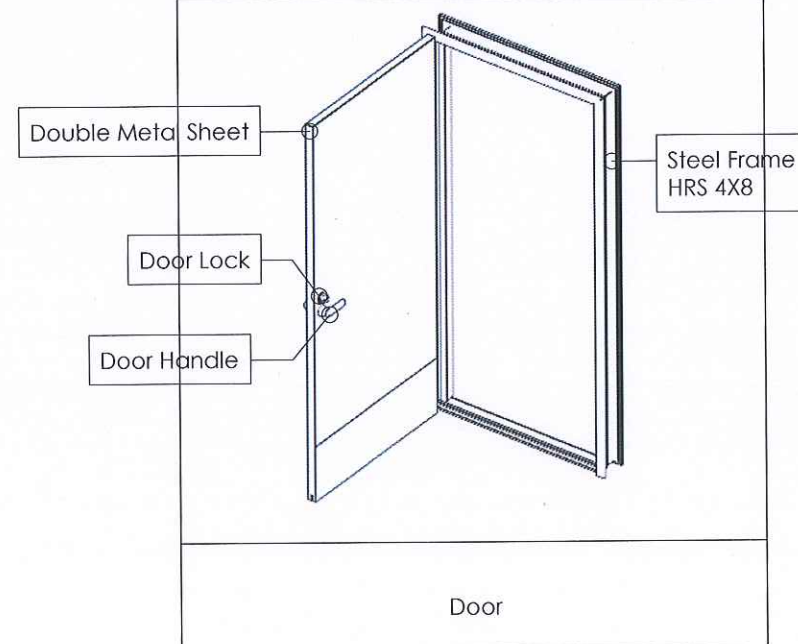
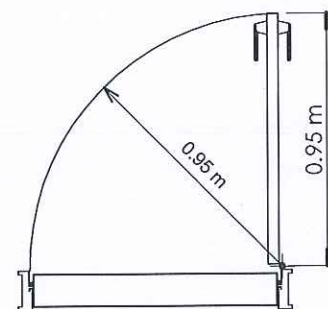
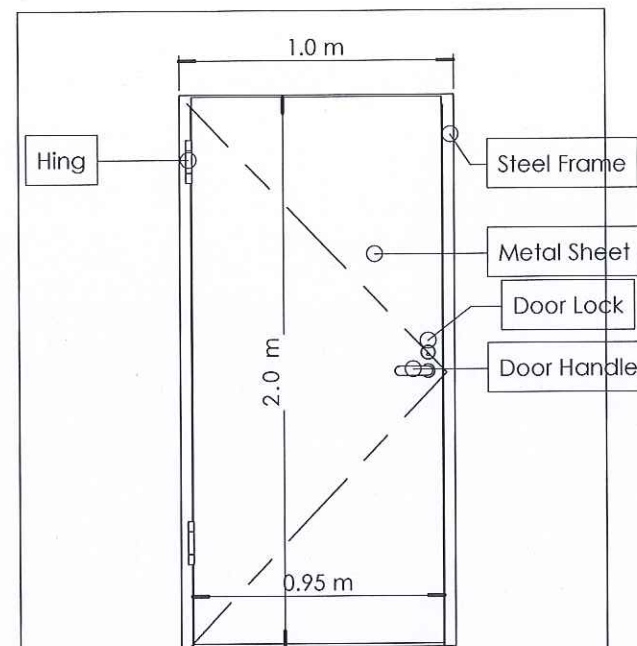
DRAWING TITLE :  
GROUND FLOOR PLAN  
doors & windows

INDEX :  
A-09

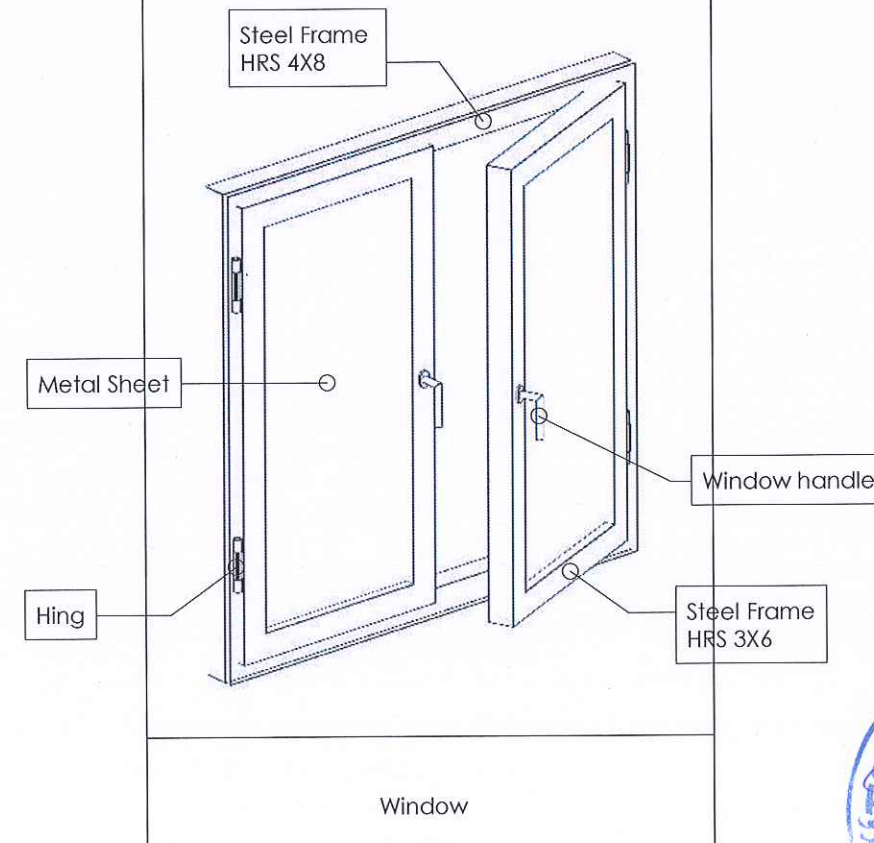
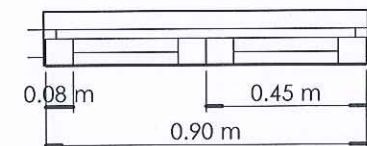
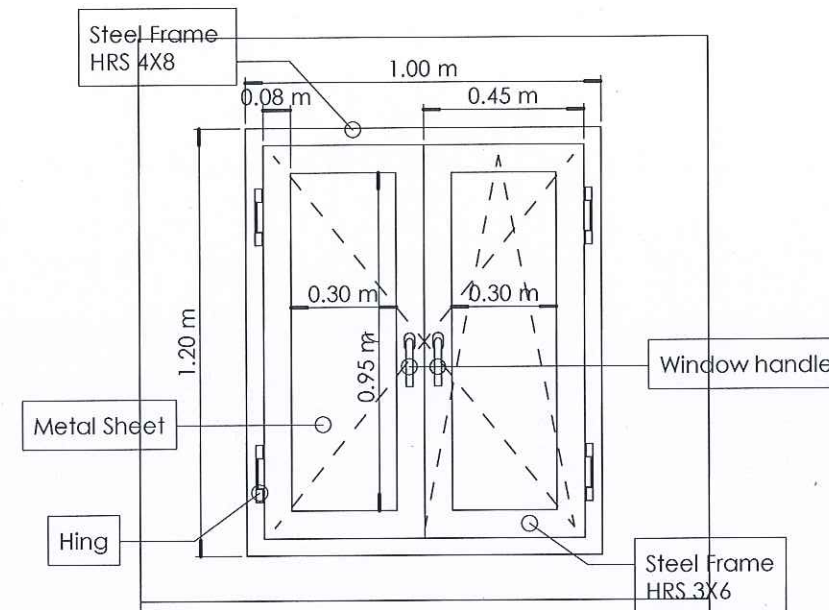
SCALE :  
1:60







DOOR Details  
1 : 20



WINDOWS Details  
1 : 15



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Block 12 K-east Khartoum, SUDAN

AL-Amarat Mohamed Najeeb Street, Khartoum  
TEL: +249925451234  
+249115418666  
EMAIL: DQTC.ENGINEERING@GMAIL.COM



PROGRAM TITLE :  
T05-EUTF-HOA-SD-73-01

PROJECT TITLE :  
PHC of Al Salam - Nutrition program  
(ALF05)  
LOCATION :  
Northern East Al Fasher

ARCHITECT :  
ENG. IBRAHIM MOHAMMED IBRAHIM  
STRUCTURAL ENGINEER :  
ENG. Designer  
CHECKED BY :  
ENG. AMRAN MOHAMMED OTHMAN

DRAWING TITLE :  
Door and Windows Details

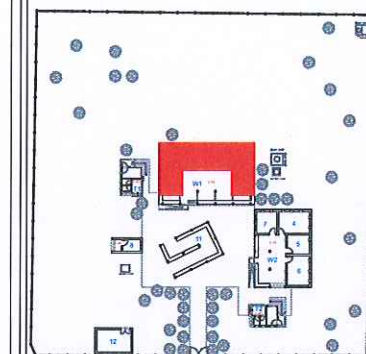
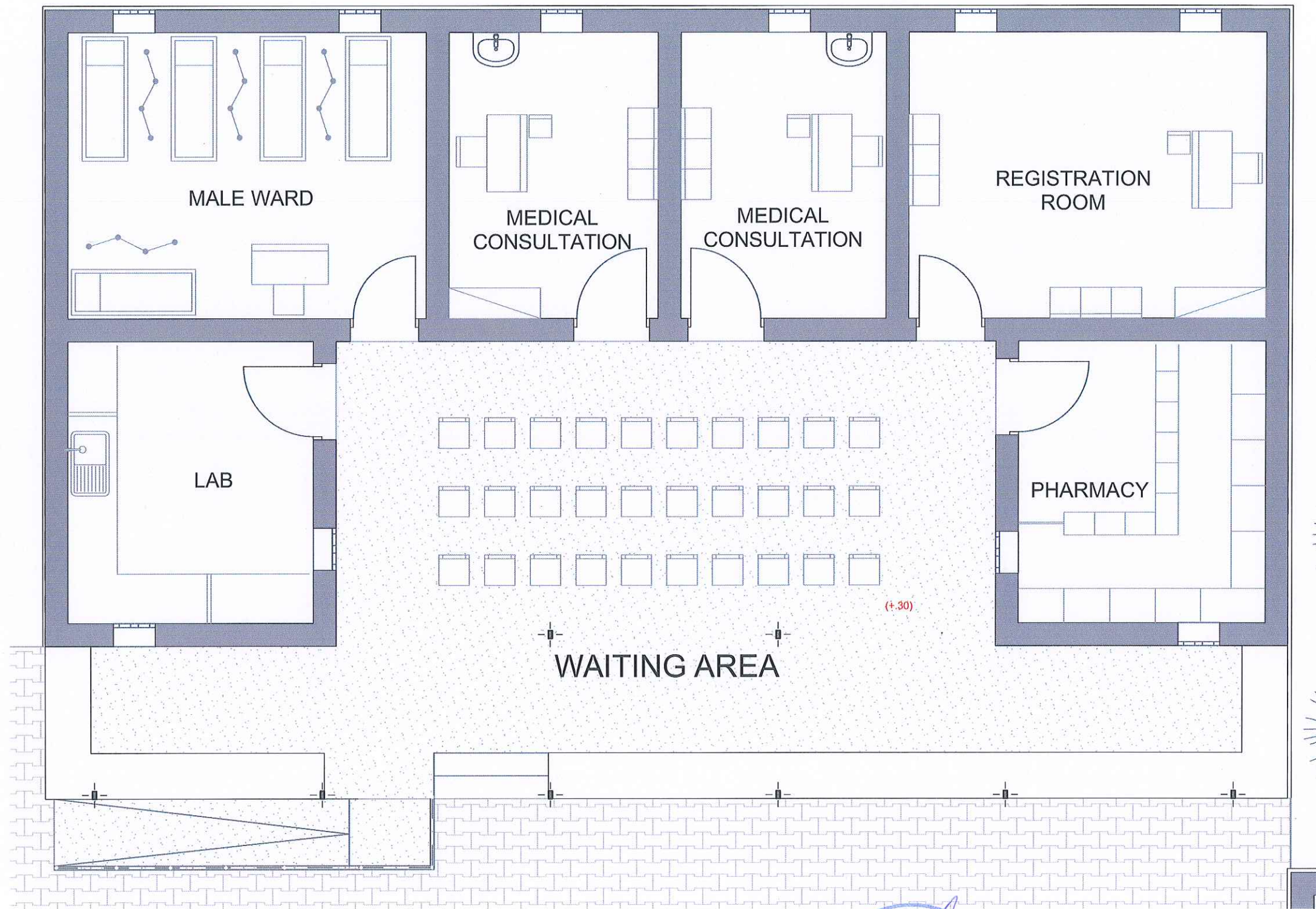
DATE : January 2022

INDEX :  
A\_10

SCALE :  
As indicated







# LEGEND

Description	
Screed cement finishing for ramp	
INTERLOCK	

DATE:  
JANUARY 2022

PROPERTY OF:  
Italian Agency for Development  
Cooperation -T05-EUTF-HOA-SDN-73-01

PROJECT NAME :  
PHC OF AL SALAM - NUTRITION  
PROGRAM (ALF05)

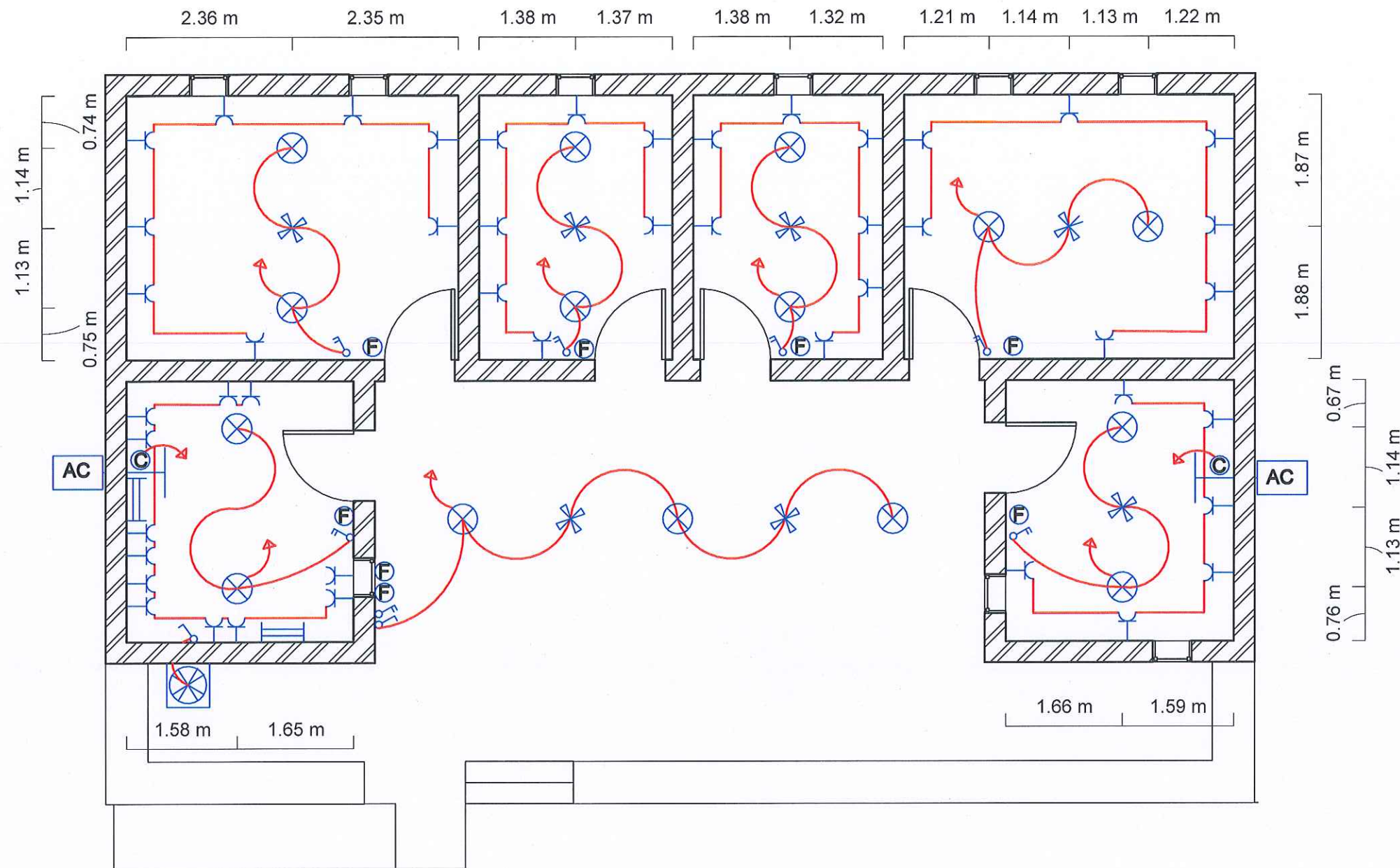
LOCATION :  
NORTHERN EAST AL FASHER

ARCHITECT :  
ENG.Rabab Azhari Fadle Elseed  
STRUCTURAL ENGINEER :  
ENG.Designer IBRAHEM MOHAMED  
CHECKED BY :  
ENG. AMRAN MOHAMMED OTHMAN

DRAWING TITLE :  
GROUND FLOOR PLAN  
furniture












INDEX : A-11	SCALE : 1:60	
-----------------	-----------------	--





**1 BLOCK A**  
1 : 75



DESCRIPTION		DESCRIPTION	
	SINGLE LIGHT SWITCH		FAN SWITCH
	DOUBLE LIGHT SWITCH		CEILING FAN
	TRIPLE LIGHT SWITCH		NEON LAMP
	SOCKET OUTLET POINT		CEILING LAMP
	AC SWITCH 45 AMP		AIR CONDITIONER 24000BTU
	EXHAUST FAN		

PROGRAM TITLE:

T05-EUF-HOA-SD-73-01

PROJECT TITLE:

PHC of Al Salam - Nutrition Program

LOCATION:

Northern East Al Fasher

ELECTRICAL ENGINEER:

ENG. MOHAMMED SALAH ALAMIR

CHECKED BY:

ENG. AMRAN MOHAMMED OTHMAN

DRAWING TITLE:

BLOCK A ELECTRICAL LAYOUT

DATE: JANUARY 2022

INDEX:

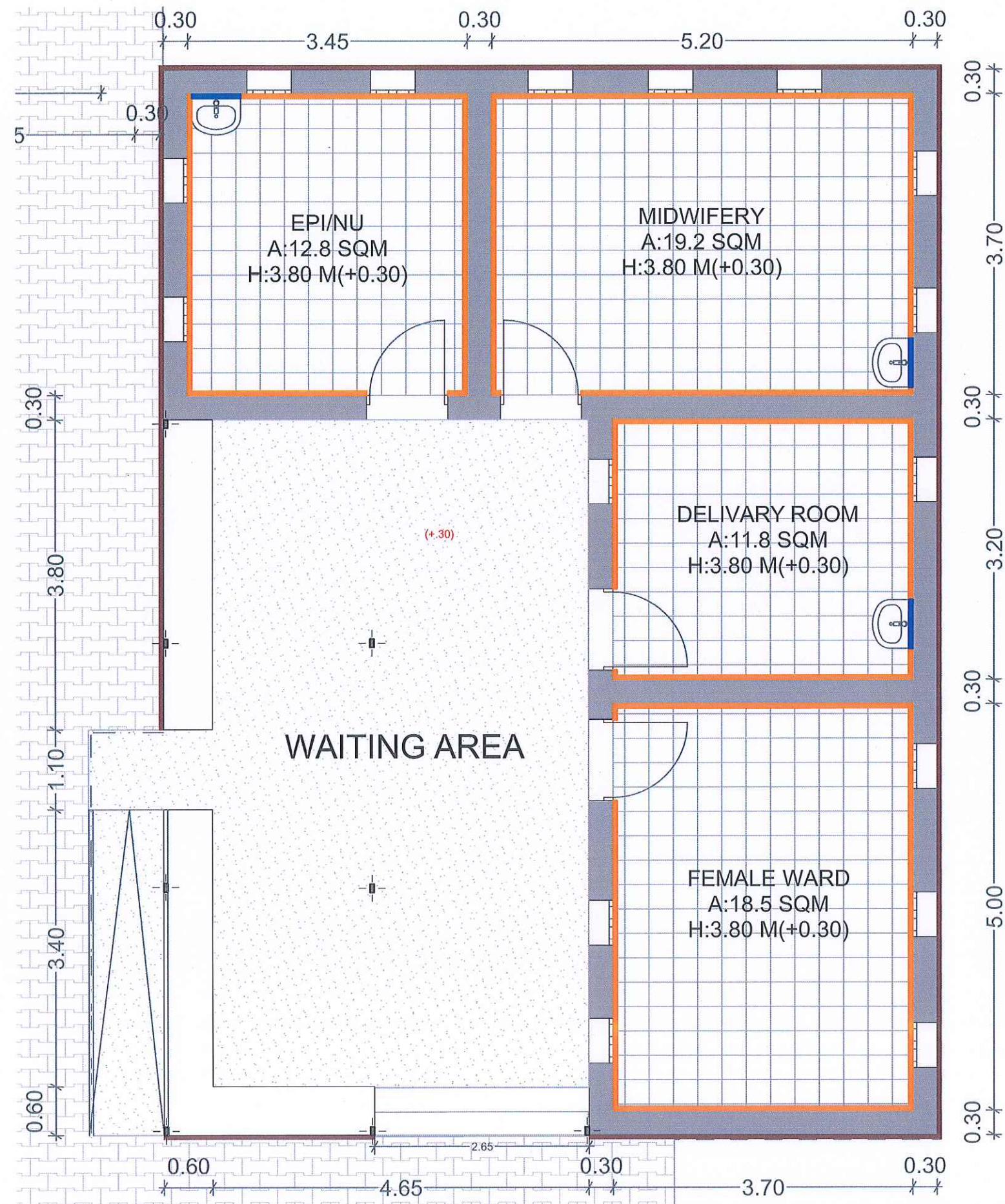
A\_12

SCALE:

1 : 75







### LEGEND

	Description
	new internal flooring(+0.30)with ceramic tiles (60x60cm)
	Screed cement finishing for ramp
	Skirting ceramic h=15cm
	Curbstone h=30cm
	Wall ceramic tiles(15 x 15cm)
	INTERLOCK

**DATE:**  
JANUARY 2022

**PROPERTY OF :**  
Italian Agency for Development  
Cooperation -T05-EUTF-HOA-SDN-73-01

**PROJECT NAME :**  
PHC OF AL SALAM - NUTRITION PROGRAM (ALF05)

**LOCATION :**  
NORTHERN EAST AL FASHER

**ARCHITECT :**  
ENG.Rabab Azhari Fadle Elseed

**STRUCTURAL ENGINEER :**  
ENG.Designer IBRAHEM MOHAMED

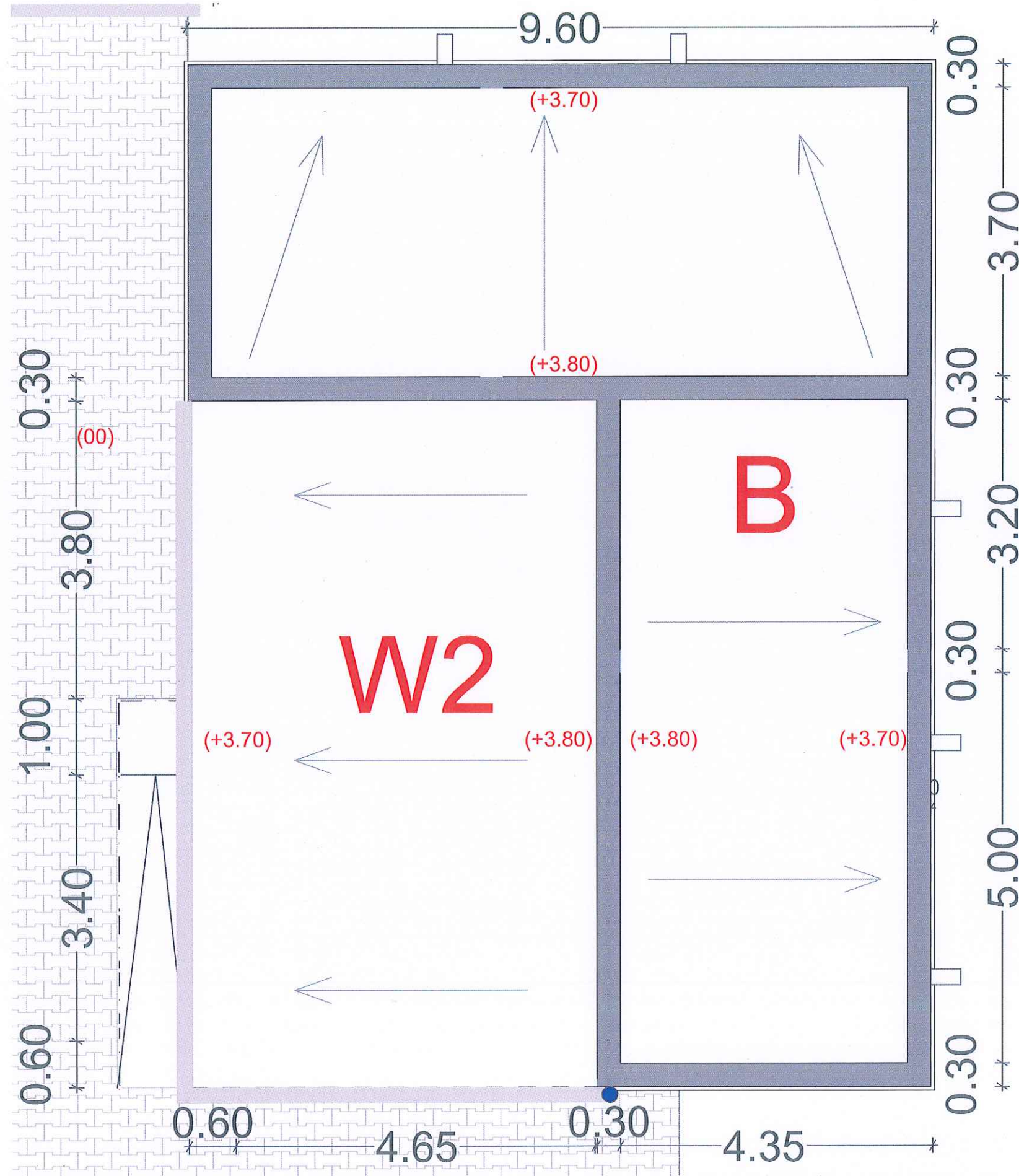
**CHECKED BY :**  
ENG. AMRAN MOHAMMED OTHMAN




**DRAWING TITLE :**  
GROUND FLOOR PLAN

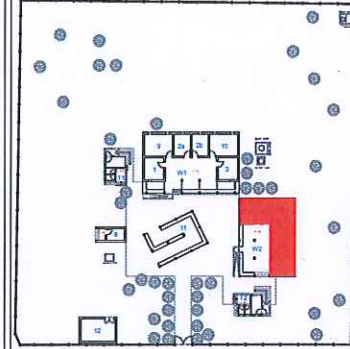
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B-01

**SCALE :**  
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








### LEGEND

	Description
	corrugated metal (american) sheet
	INTERLOCK
	Vally Gutter
	100 mm rain water drainage pipe

**DATE:**  
JANUARY 2022

**PROPERTY OF:**  
Italian Agency for Development  
Cooperation -T05-EUTF-HOA-SDN-73-01

**PROJECT NAME:**  
PHC OF AL SALAM - NUTRITION  
PROGRAM (ALF05)

**LOCATION:**  
NORTHERN EAST AL FASHER

**ARCHITECT:**  
ENG.Rabab Azhari Fadle Elseed


**STRUCTURAL ENGINEER:**  
ENG.Designer IBRAHEM MOHAMED

**CHECKED BY:**  
ENG. AMRAN MOHAMMED OTHMAN

**DRAWING TITLE:**  
ROOF PLAN

**INDEX:**  
B-02

**SCALE:**  
1:60







DOUBLE QTC ENGINEERING

PROGRAM TITLE:

T05-EUTF-HOA-SD-73-01

PROJECT TITLE:

PHC of Al Salam - Nutrition  
program (ALF05)

LOCATION:

Northern East Al Fasher

STRUCTURAL ENGINEER:

ENG. IBRAHIM MOHAMMED IBRAHIM

CHECKED BY:

ENG. AMRAN MOHAMMED OTHMAN

DRAWING TITLE:

Roof Structure Plan

DATE: January 2022

INDEX:

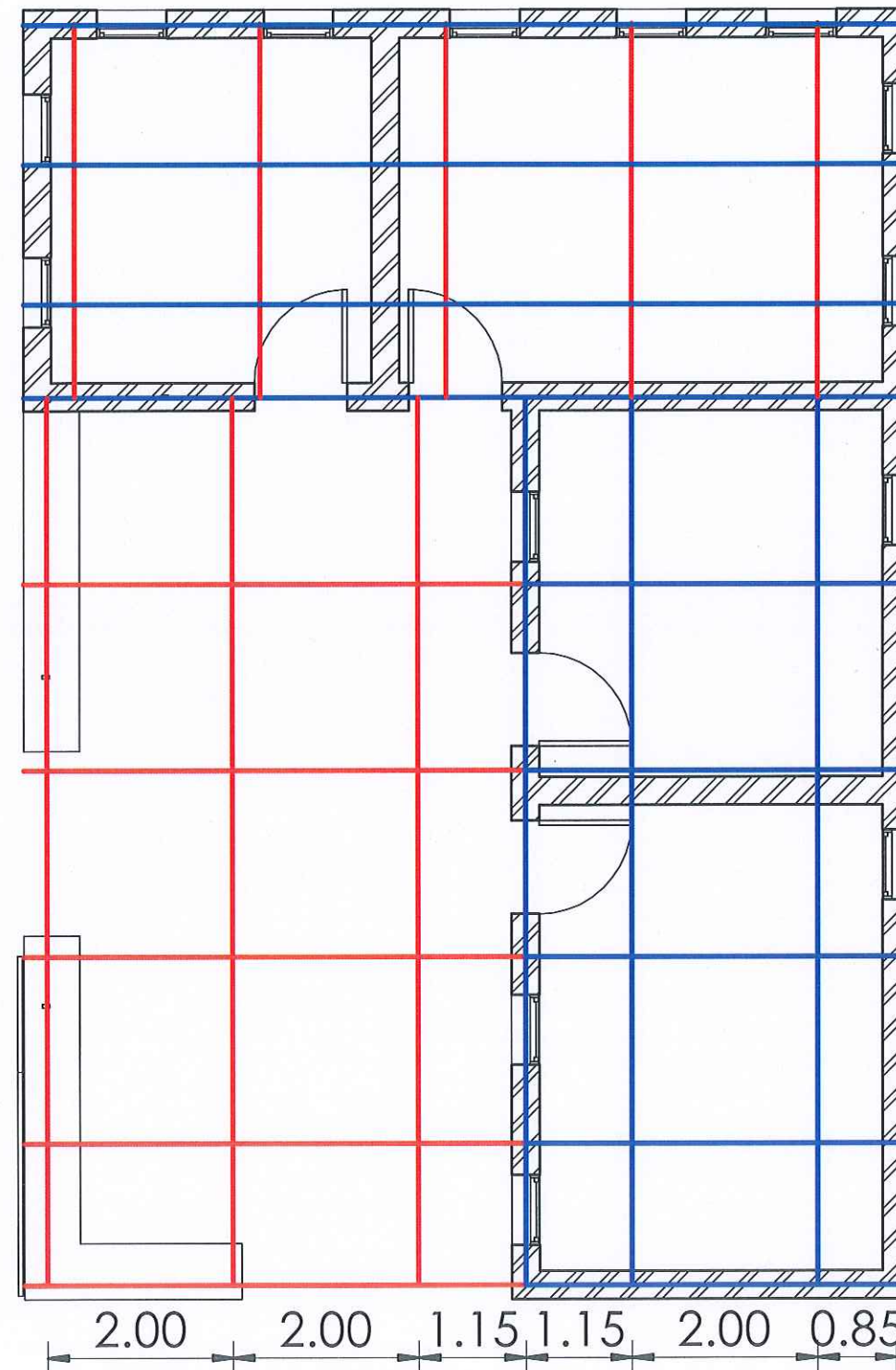
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SCALE:

1 : 75



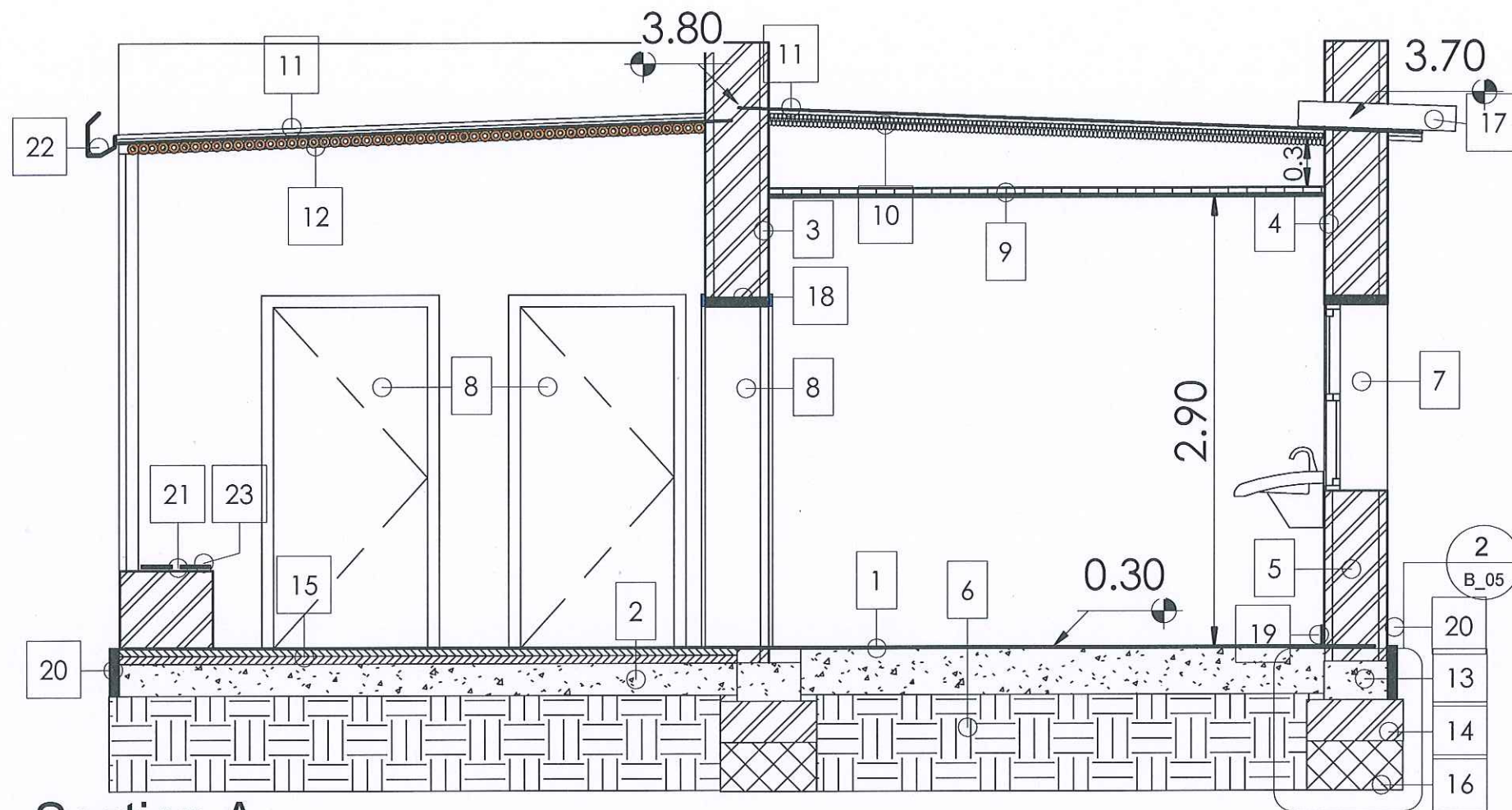
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1 Roof Structure Plan.  
1 : 75





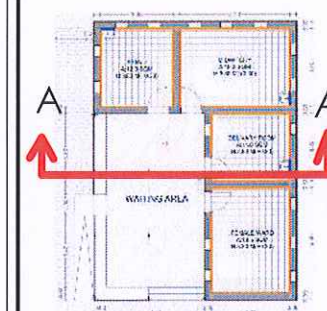


1 Section A  
1 : 40

1	Tiles (internal ceramic )	8	Door	15	Concrete Floor	22	Galvanized Gutter
2	Reinforced Concrete(C20)	9	False Ceiling	16	Rock Foundation	23	Wodden Planks
3	Paint	10	Insulation Layre	17	PVC Pipe		
4	Screed	11	Steel Sheet (Zinc)	18	Lintel Beam		
5	Wall	12	Bambo	19	Skerting Tiles		
6	Compacted Soil	13	Grade Beam	20	Curbstone		
7	Window	14	Wall 40 cm (Gasa)	21	Plaster		



DOUBLE QTC ENGINEERING



PROGRAM TITLE:

T05-EUTF-HOA-SD-73-01

PROJECT TITLE:

PHC of Al Salam - Nutrition  
program (ALF05)

LOCATION:

Northern East Al Fasher

STRUCTURAL ENGINEER:

ENG.IBRAHIM MOHAMMED IBRAHIM

CHECKED BY:

ENG. AMRAN MOHAMMED OTHMAN

DRAWING TITLE:

Roof Section

DATE: January 2022

INDEX:

B\_04

SCALE:

1 : 40



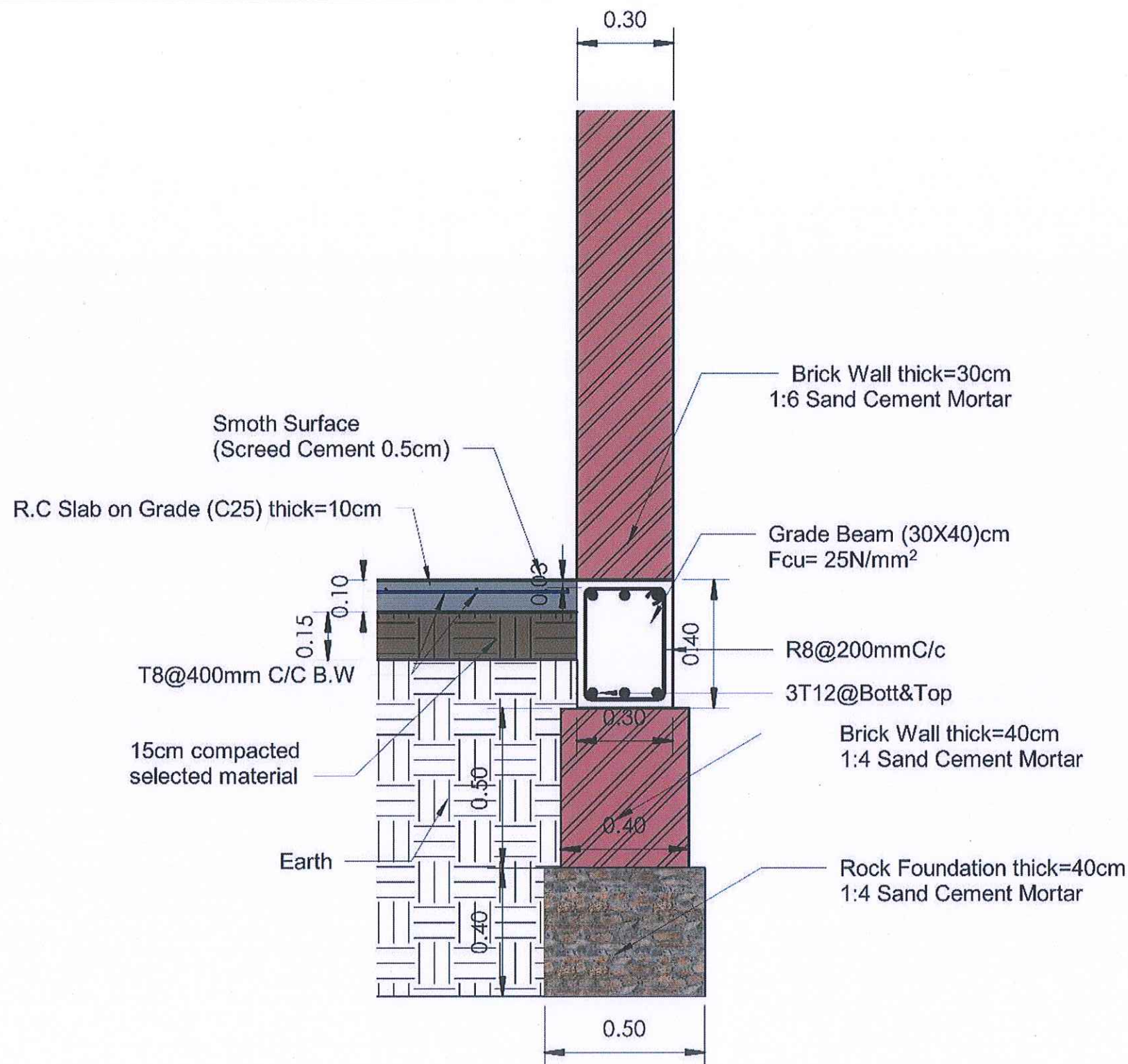


0.30

H

4T12

H = 15cm for opening width > 1 m

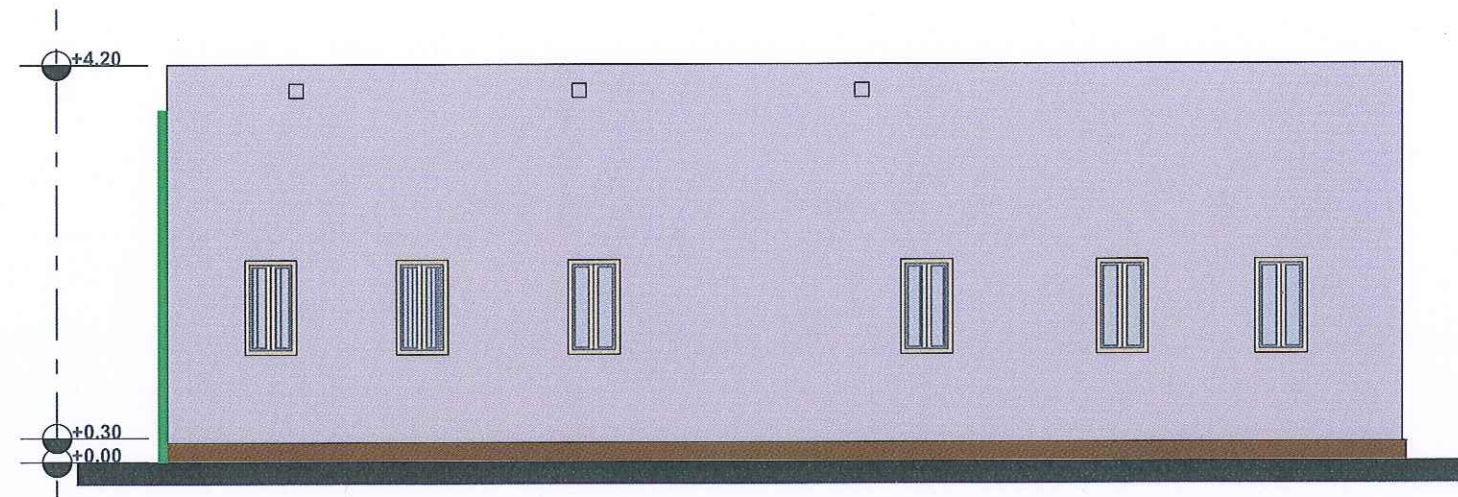


2 Callout A  
1 : 15

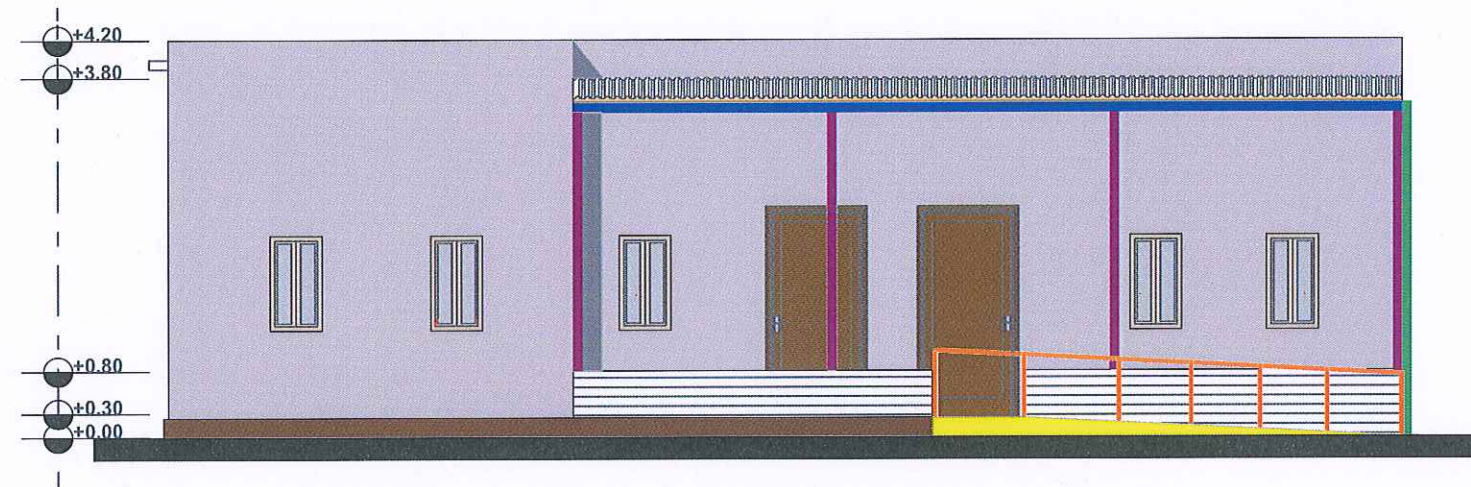




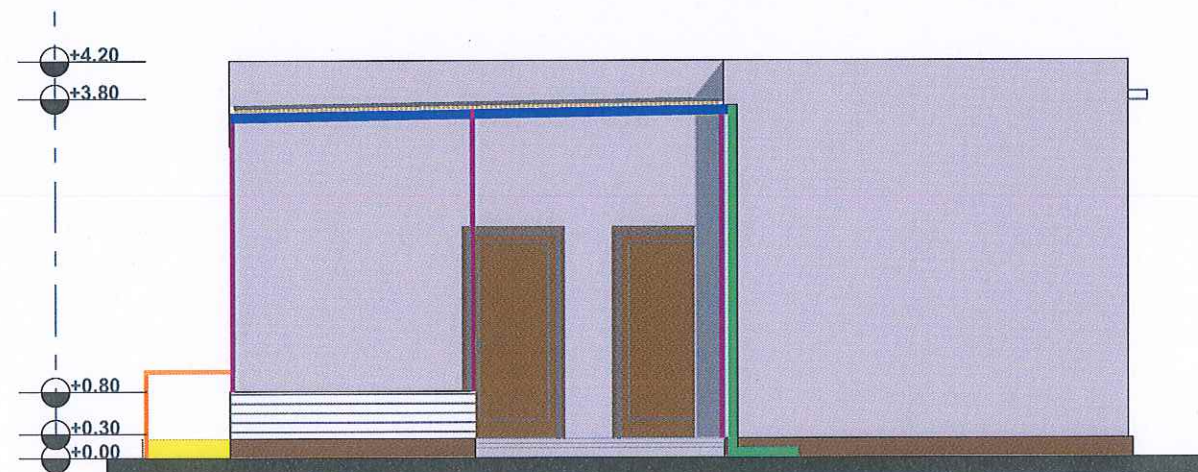
EAST ELEVATION



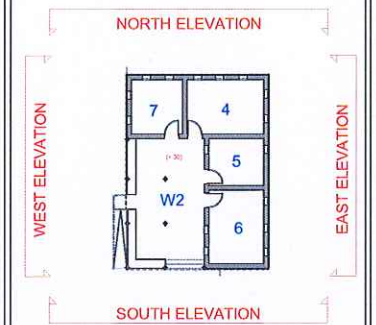
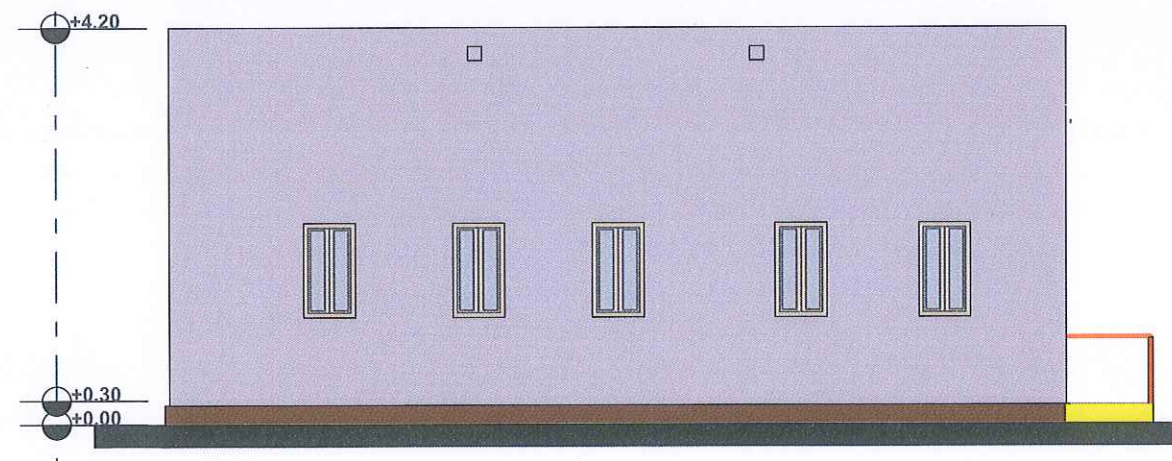
WEST ELEVATION



SOUTH ELEVATION



NORTH ELEVATION



### LEGEND

Description	
h=30cm	
External painting	
New flooring	
New ramp	
New handrail	
Wooden bamboo sticks	
Steel profile 10x5 cm	
Bench in bricks H=50CM	
Vally Gutter	
100 mm rain water drainage pipe	

DATE:  
JANUARY 2022

PROPERTY OF :  
Italian Agency for Development  
Cooperation -T05-EUTF-HOA-SDN-73-01

PROJECT NAME :  
PHC OF AL SALAM - NUTRITION  
PROGRAM (ALF05)

LOCATION :  
NORTHERN EAST AL FASHER

ARCHITECT :  
ENG.Rabab Azhari Fadle Elseed

STRUCTURAL ENGINEER :

ENG.Designer IBRAHEM MOHAMED

CHECKED BY :

ENG. AMRAN MOHAMMED OTHMAN

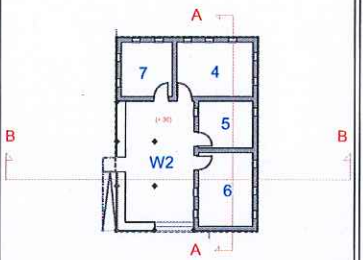
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ELEVATIONS

INDEX :  
B-06












SCALE :  
1:80







## LEGEND

Description	
h=30cm	
External painting	
New flooring	
New ramp	
New handrail	
Wooden bamboo sticks	
Steel profile 10x5 cm	
Bench in bricks h=50cm	
Skirting tiles supply h=15cm	
Glossy oil painting (internal) from floor up to 2.00m	
Emulsion paint (internal) from 2.00m to ceiling	

DATE:  
JANUARY 2022

PROPERTY OF :  
Italian Agency for Development  
Cooperation -T05-EUTF-HOA-SDN-73-01

PROJECT NAME :  
PHC OF AL SALAM - NUTRITION  
PROGRAM (ALF05)

LOCATION :  
NORTHERN EAST AL FASHER

ARCHITECT :  
ENG.Rabab Azhari Fadle Elseed

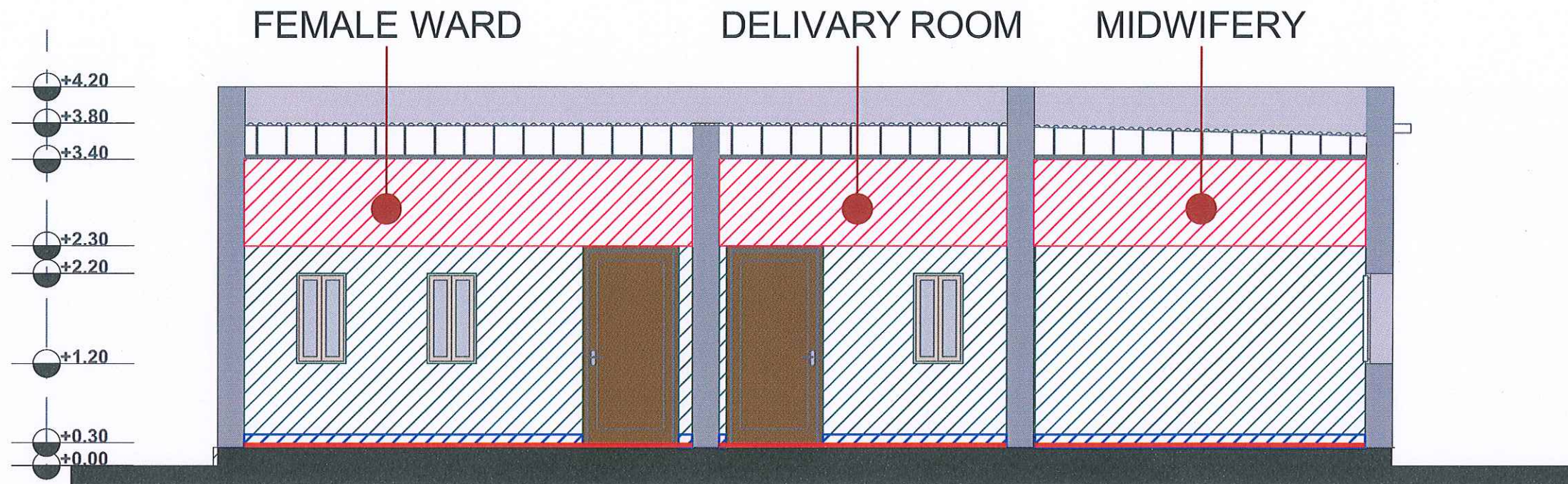
STRUCTURAL ENGINEER :  
ENG.Designer IBRAHEM MOHAMED

CHECKED BY :  
ENG. AMRAN MOHAMMED OTHMAN

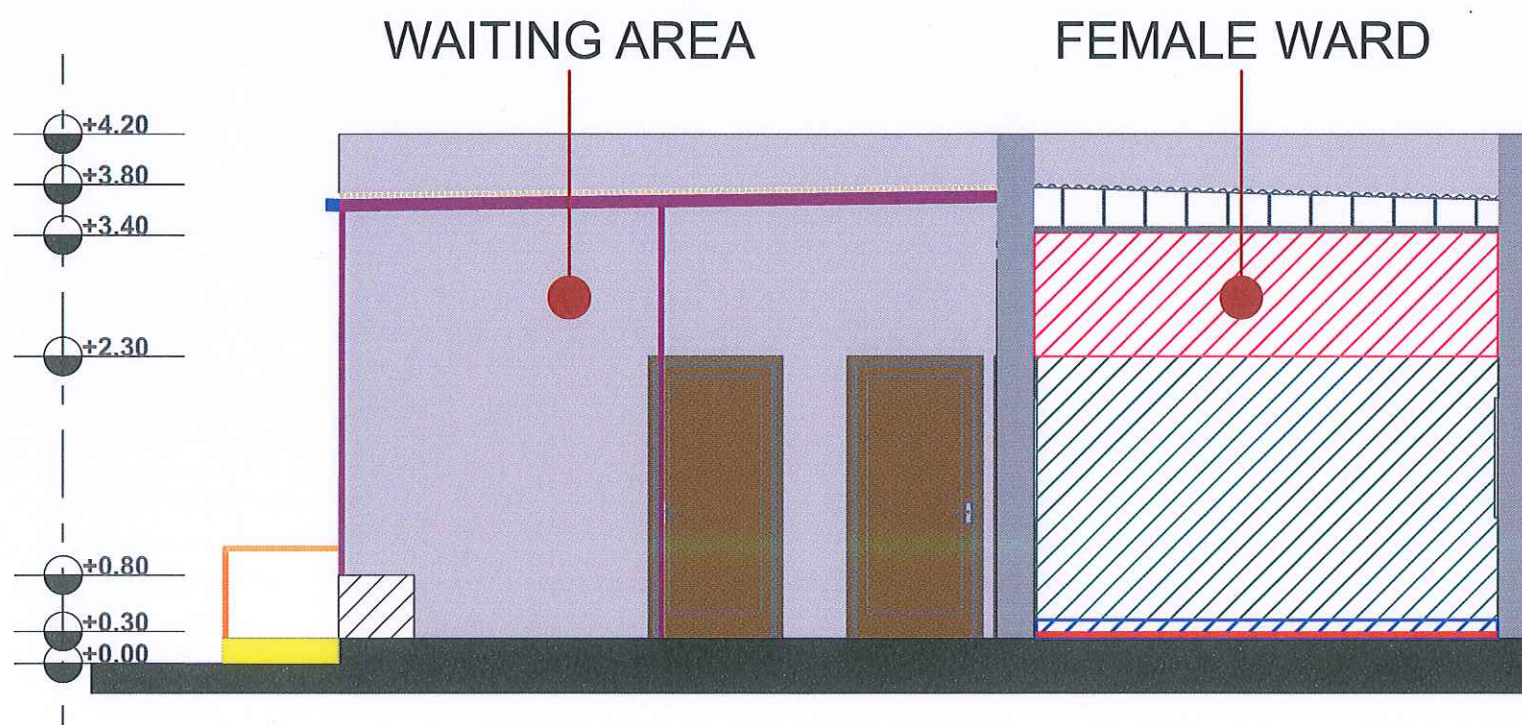
DRAWING TITLE :  
SECTIONS-A& B-

INDEX :  
B-07

SCALE :  
1:60



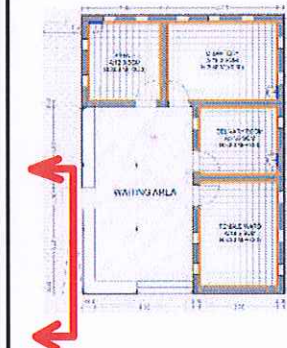
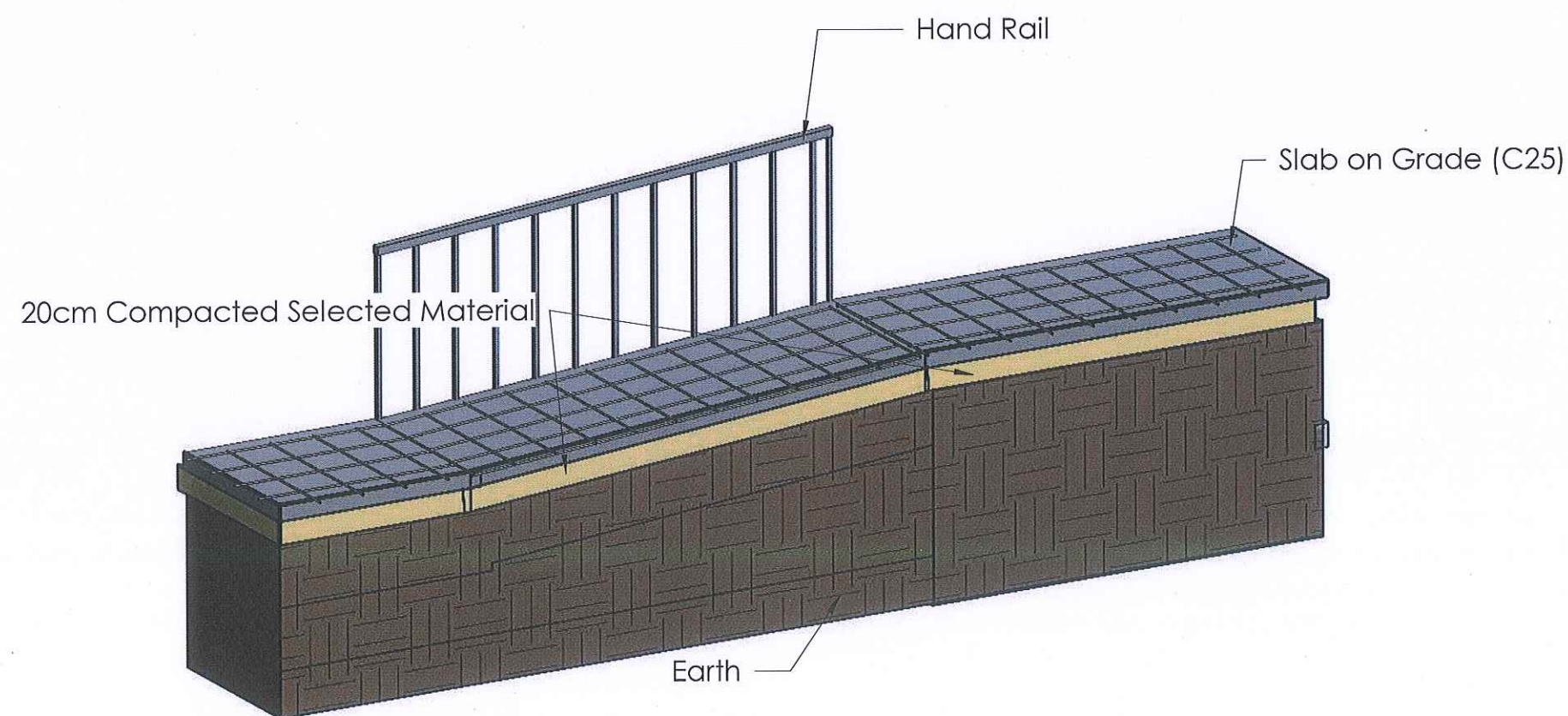
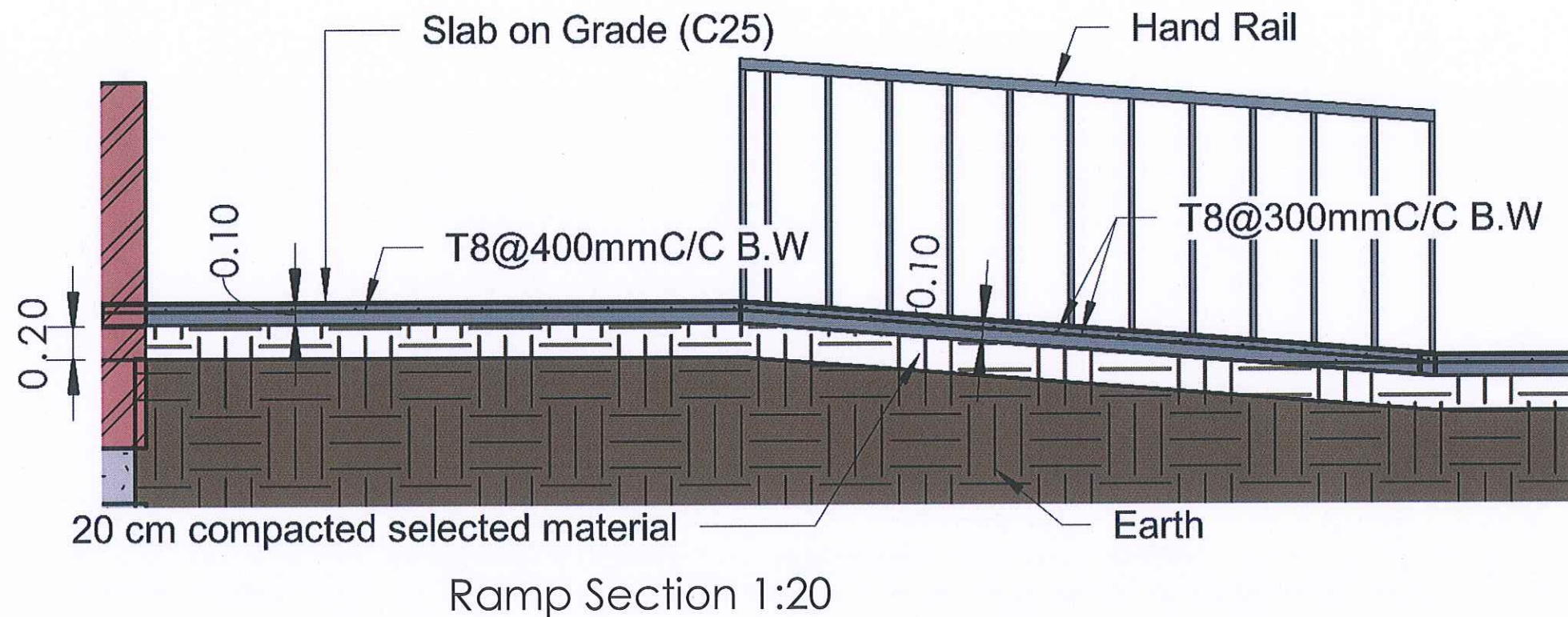
SECTION A - A



SECTION B - B







PROGRAM TITLE:

T05-EUTF-HOA-SD-73-01

PROJECT TITLE:

PHC of Al Salam - Nutrition  
program (ALF05)

LOCATION:

Northern East Al Fasher

STRUCTURAL ENGINEER:

ENG. IBRAHIM MOHAMMED IBRAHIM

CHECKED BY:

ENG. AMRAN MOHAMMED OTHMAN

DRAWING TITLE:

Ramp Section and 3D

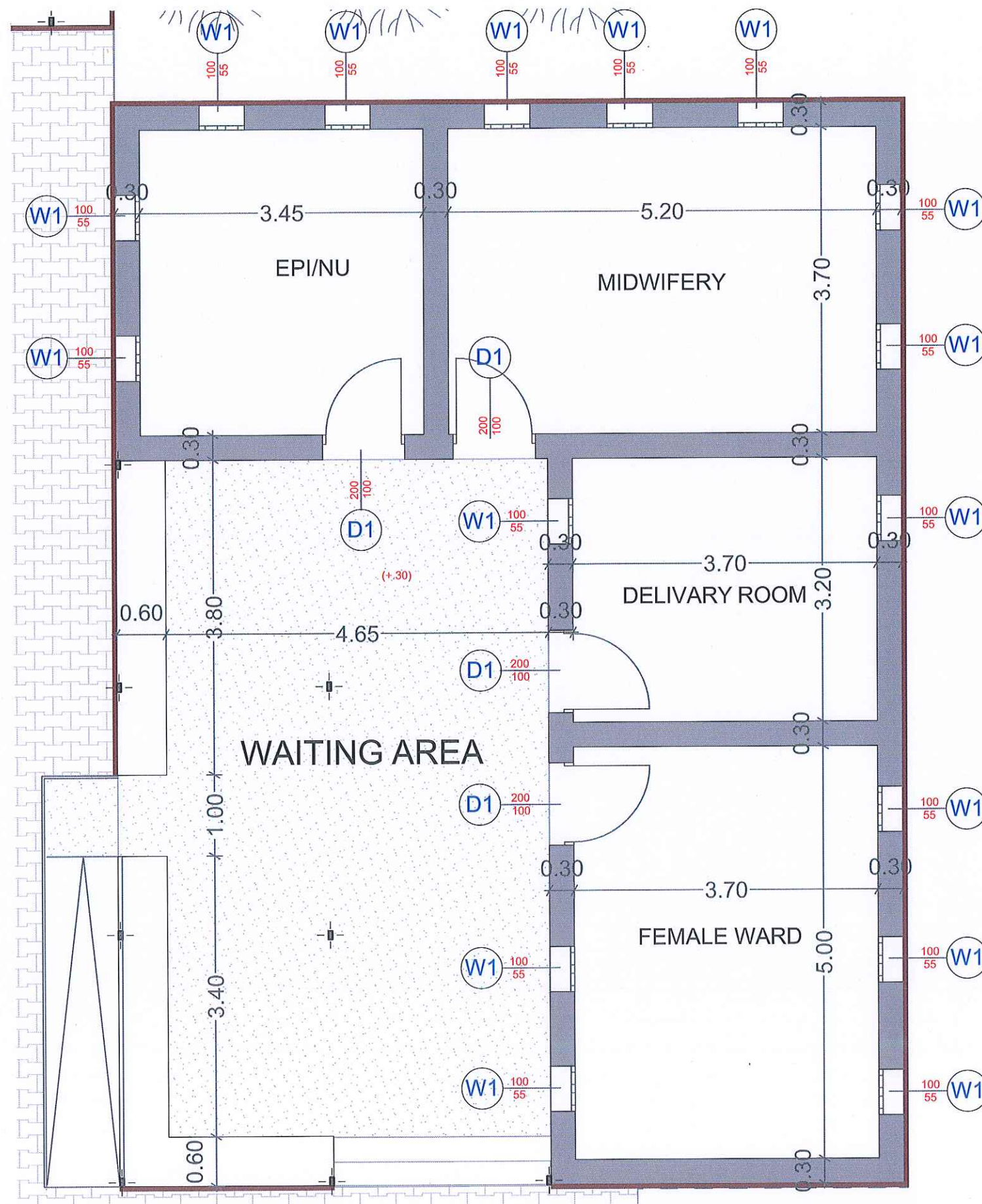
DATE: January 2022

INDEX:  
B\_08

SCALE:







## LEGEND

Description			
Screed cement finishing for ramp			
INTERLOCK			
CODE	H x L	Nº	MAT.
D1	1.00x2.00	4	STEEL
W1	1.00x0.55	16	STEEL

DATE:  
JANUARY 2022

PROPERTY OF:  
Italian Agency for Development  
Cooperation -T05-EUTF-HOA-SDN-73-01

PROJECT NAME:  
PHC OF AL SALAM - NUTRITION  
PROGRAM (ALF05)

LOCATION:  
NORTHERN EAST AL FASHER

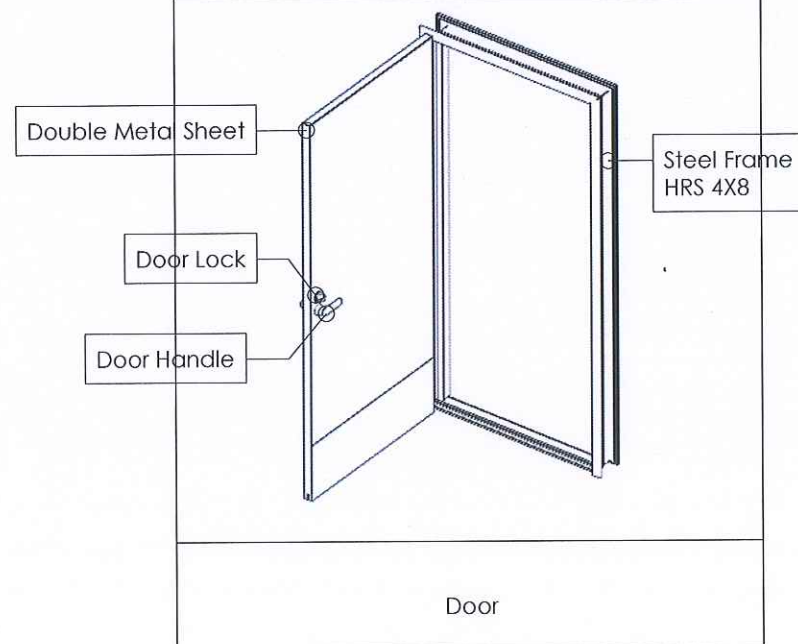
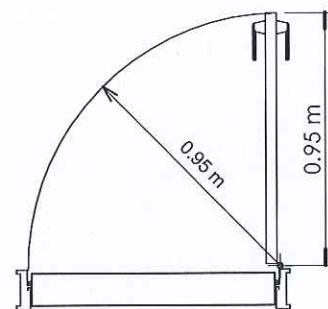
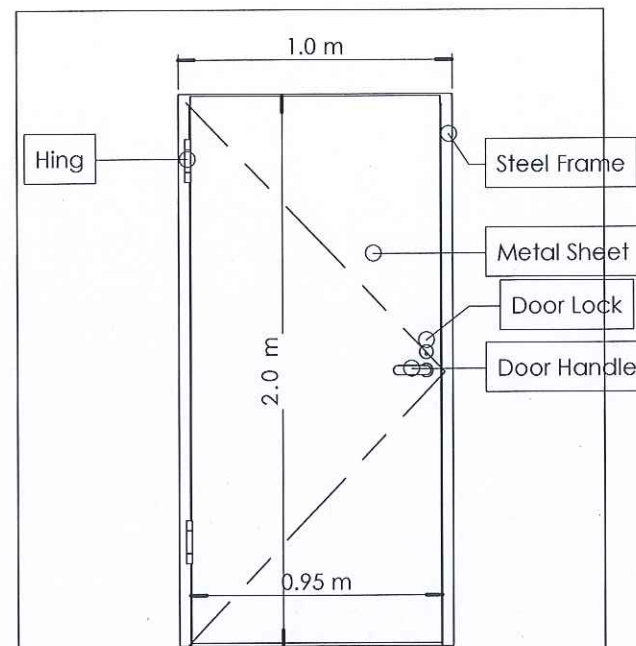
ARCHITECT:  
ENG.Rabab Azhari Fadle Elseed  
STRUCTURAL ENGINEER:  
ENG.Designer IBRAHEM MOHAMED  
CHECKED BY:  
ENG. AMRAN MOHAMMED OTHMAN

DRAWING TITLE:  
GROUND FLOOR PLAN  
doors & windows

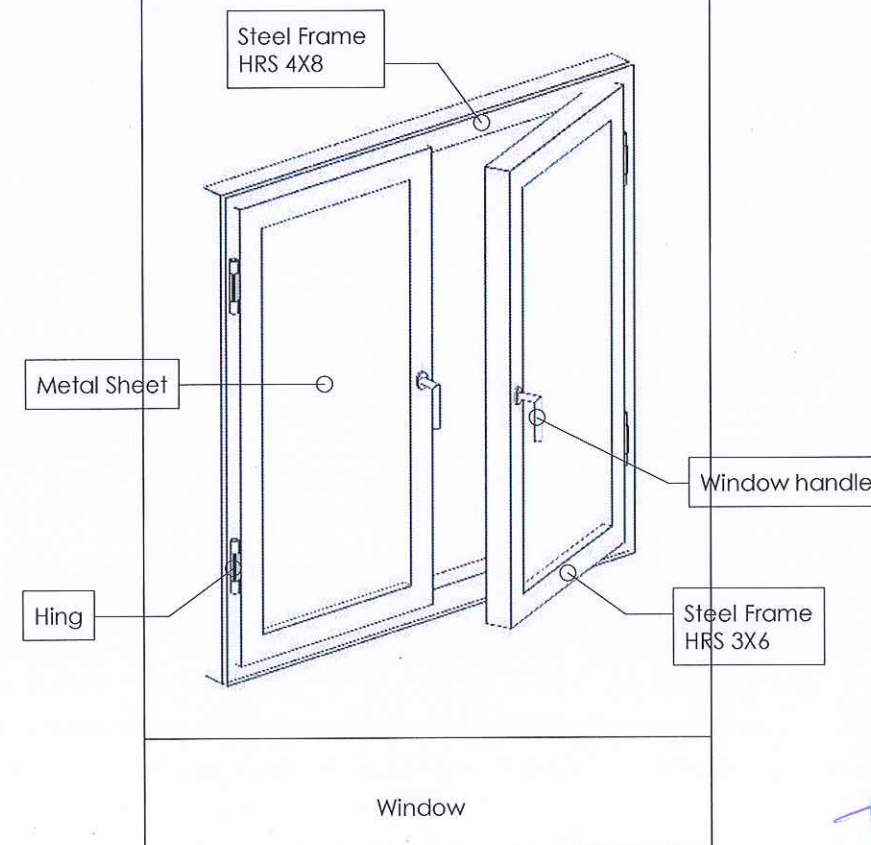
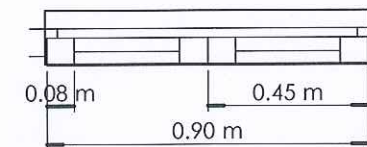
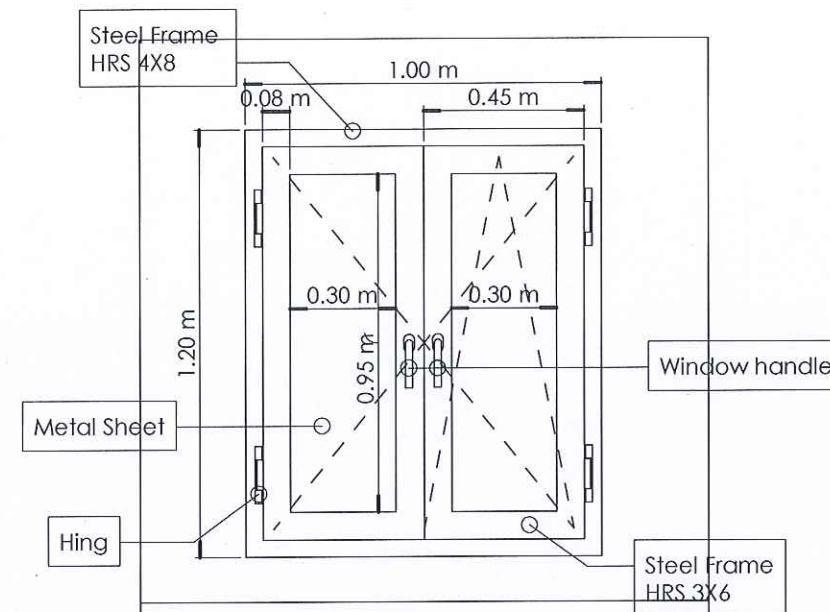
INDEX:  
B-09  
SCALE:  
1:60







DOOR Details  
1 : 20



WINDOWS Details  
1 : 15



AICS-Italian Agency for Development  
Cooperation - SDN  
13 Project St., no 33 Amarat, House no 25  
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TEL: +249925451234  
+249115418666

EMAIL: [DQTC.ENGINEERING@GMAIL.COM](mailto:DQTC.ENGINEERING@GMAIL.COM)



PROGRAM TITLE :  
T05-EUTF-HOA-SD-73-01

PROJECT TITLE :  
PHC of Al Salam - Nutrition program  
(ALF05)

LOCATION :  
Northern East Al Fasher

ARCHITECT :  
ENG. IBRAHIM MOHAMMED IBRAHIM  
STRUCTURAL ENGINEER :

ENG. Designer  
CHECKED BY :  
ENG. AMRAN MOHAMMED OTHMAN

DRAWING TITLE :  
Door and Windows Details.

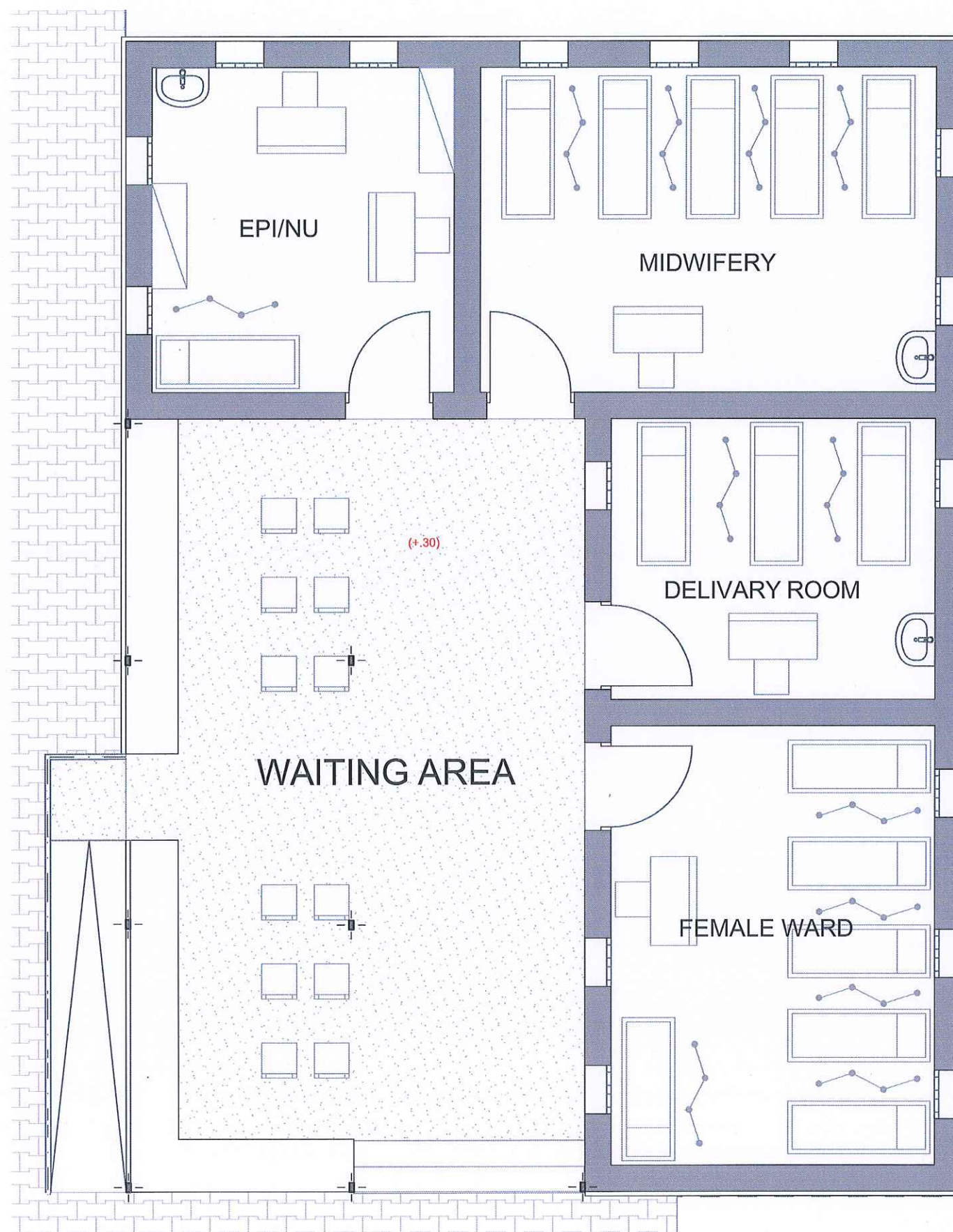
DATE : January 2022

INDEX :  
B\_10

SCALE :  
As indicated







LEGEND

Description
Screed cement finishing for ramp
INTERLOCK

DATE:

JANUARY 2022

PROPERTY OF :

Italian Agency for Development Cooperation -T05-EUTF-HOA-SDN-73-01

PROJECT NAME :

PHC OF AL SALAM - NUTRITION PROGRAM (ALF05)

LOCATION :

NORTHERN EAST AL FASHER

ARCHITECT :

ENG.Rabab Azhari Fadle Elseed

STRUCTURAL ENGINEER :

ENG.Designer IBRAHEM MOHAMED

CHECKED BY :

ENG. AMRAN MOHAMMED OTHMAN

DRAWING TITLE :

GROUND FLOOR PLAN furniture

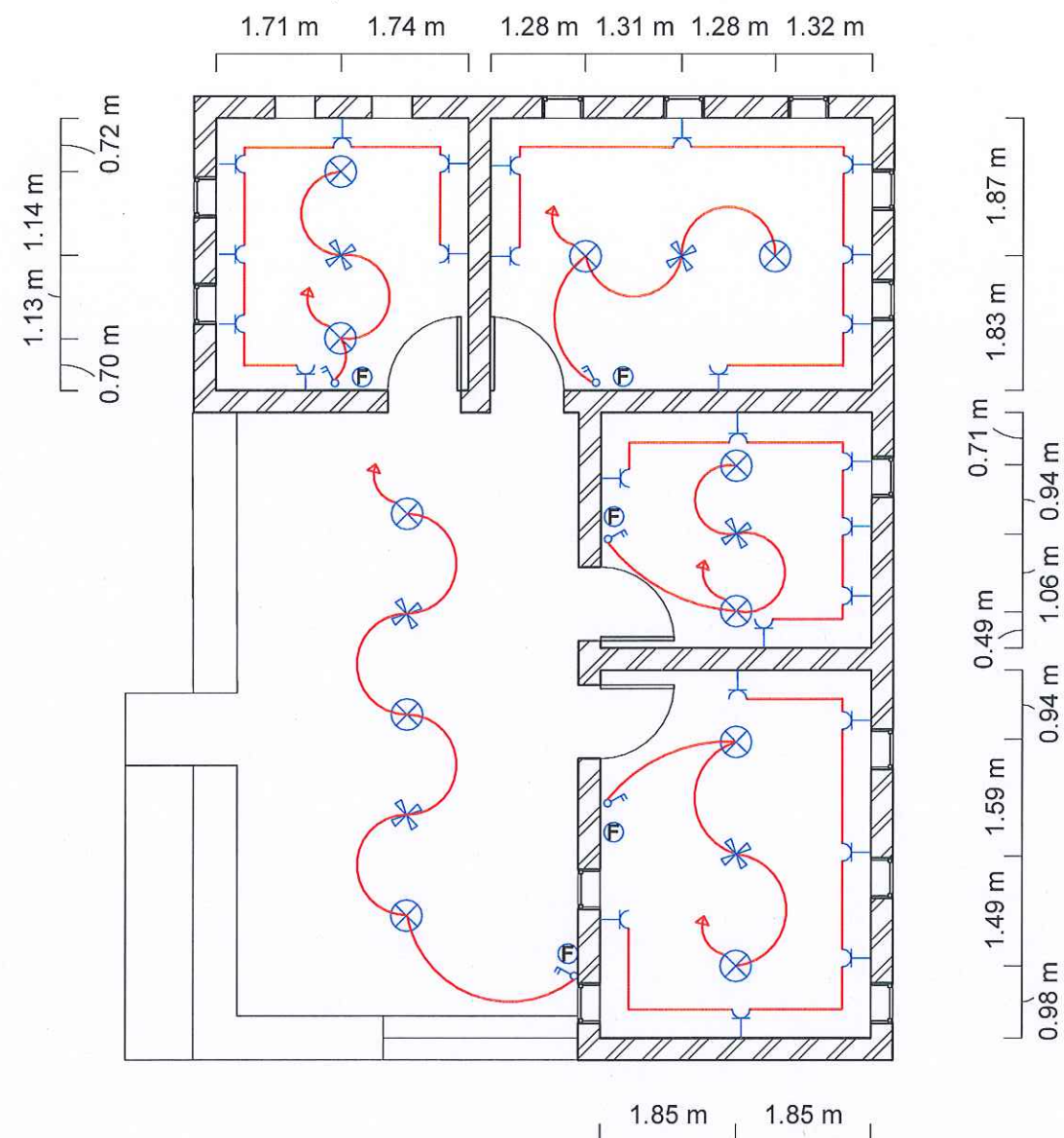
INDEX :









B-11

SCALE :

1:40





DESCRIPTION		DESCRIPTION	
	SINGLE LIGHT SWITCH		AC SWITCH 45 AMP
	DOUBLE LIGHT SWITCH		FAN SWITCH
	TRIPLE LIGHT SWITCH		CEILING LAMP
	SOCKET OUTLET POINT		CEILING FAN

1 **BLOCK B**  
1 : 100



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13 Project St. no 33 Amarat, House no 25  
Block 12 K-east Khartoum, SUDAN

AL-Amarat Mohamed Najeeb Street, Khartoum

TEL. +249925451234  
+249115418666

EMAIL: [DQTC.ENGINEERING@GMAIL.COM](mailto:DQTC.ENGINEERING@GMAIL.COM)



PROGRAM TITLE:

T05-EUF-HOA-SD-73-01

PROJECT TITLE:

PHC of Al Salam - Nutrition  
Program

LOCATION:

Northern East Al Fasher

ELECTRICAL ENGINEER:

ENG. MOHAMMED SALAH ALAMIR

CHECKED BY:

ENG. AMRAN MOHAMMED OTHMAN

DRAWING TITLE:

BLOCK B ELECTRICAL LAYOUT

DATE: JANUARY 2022

INDEX:

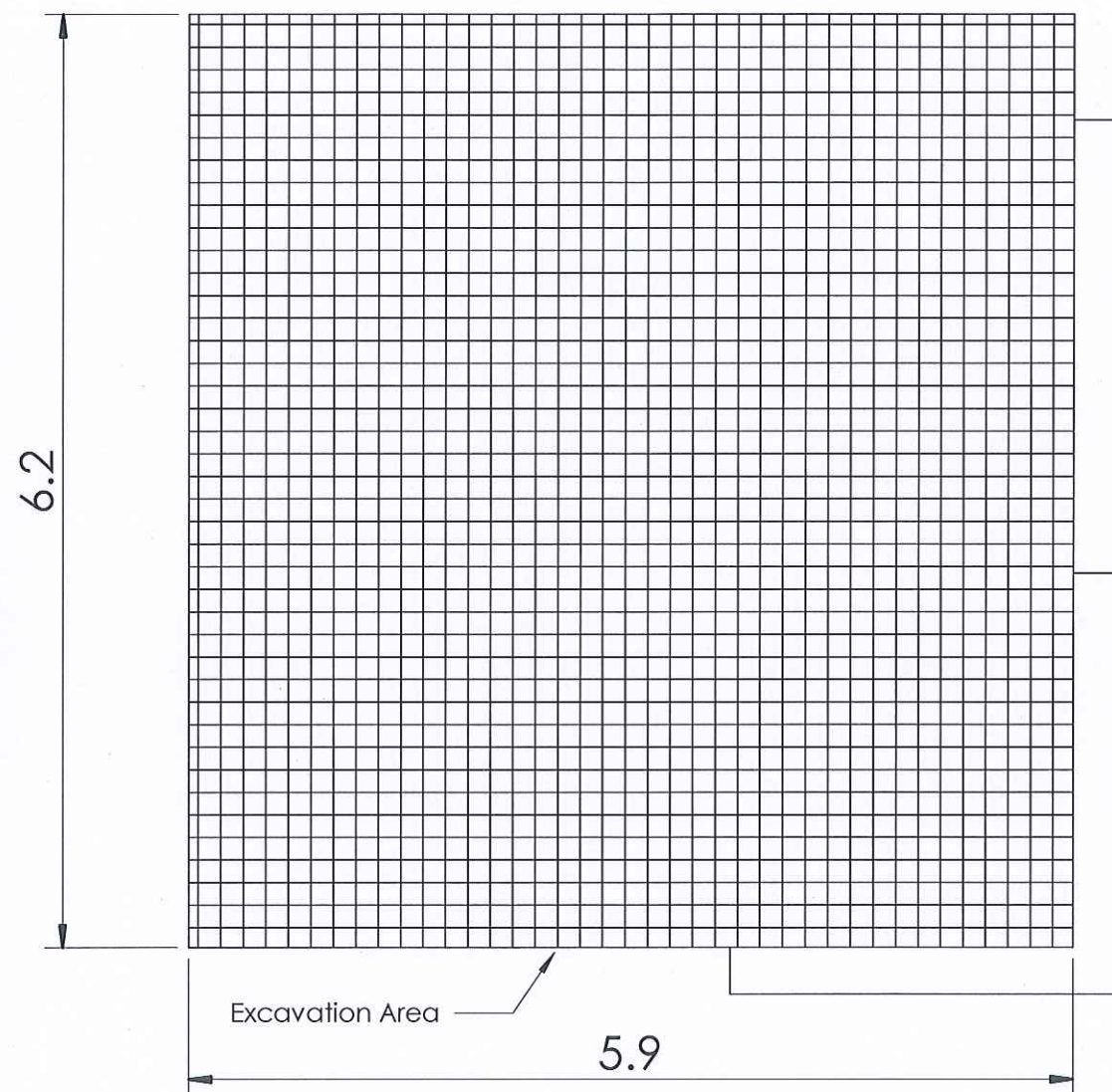
B\_12

SCALE:

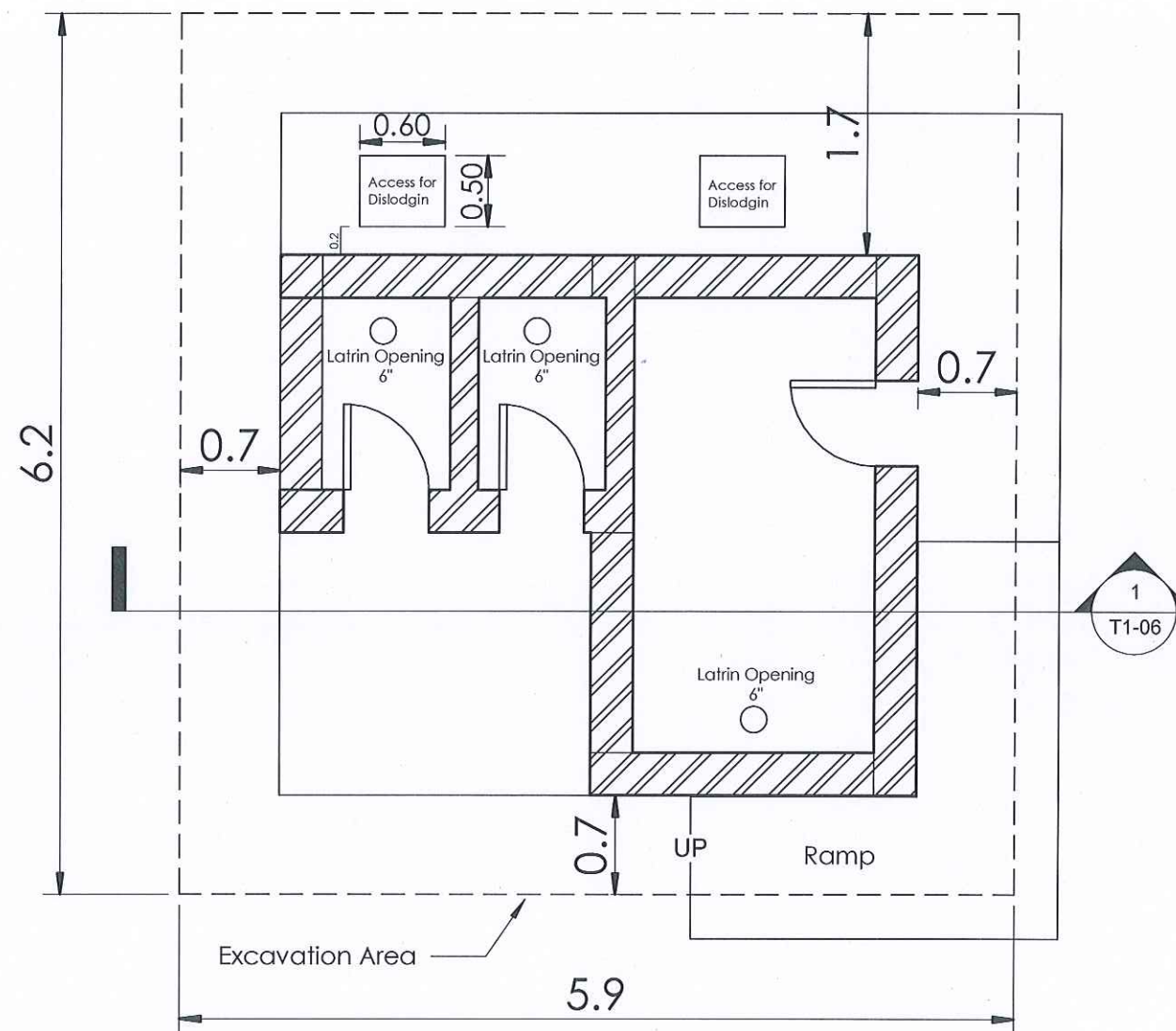
1 : 100







2 Excavation Area T1  
1 : 50



1 W.C Well T1  
1 : 50



DOUBLE QTC ENGINEERING

PROGRAM TITLE:

T05-EUTF-HOA-SD-73-01

PROJECT TITLE:

PHC of Al Salam - Nutrition  
program (ALF05)

LOCATION:

Northern East Al Fasher

STRUCTURAL ENGINEER:

ENG. IBRAHIM MOHAMMED IBRAHIM

CHECKED BY:

ENG. AMRAN MOHAMMED OTHMAN

DRAWING TITLE:

Latrine Under Ground - Excavation  
Plan

DATE: January 2022

INDEX:

T1-01

SCALE:

1 : 50

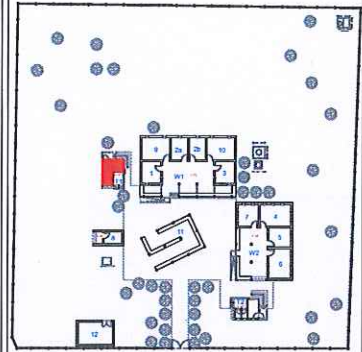
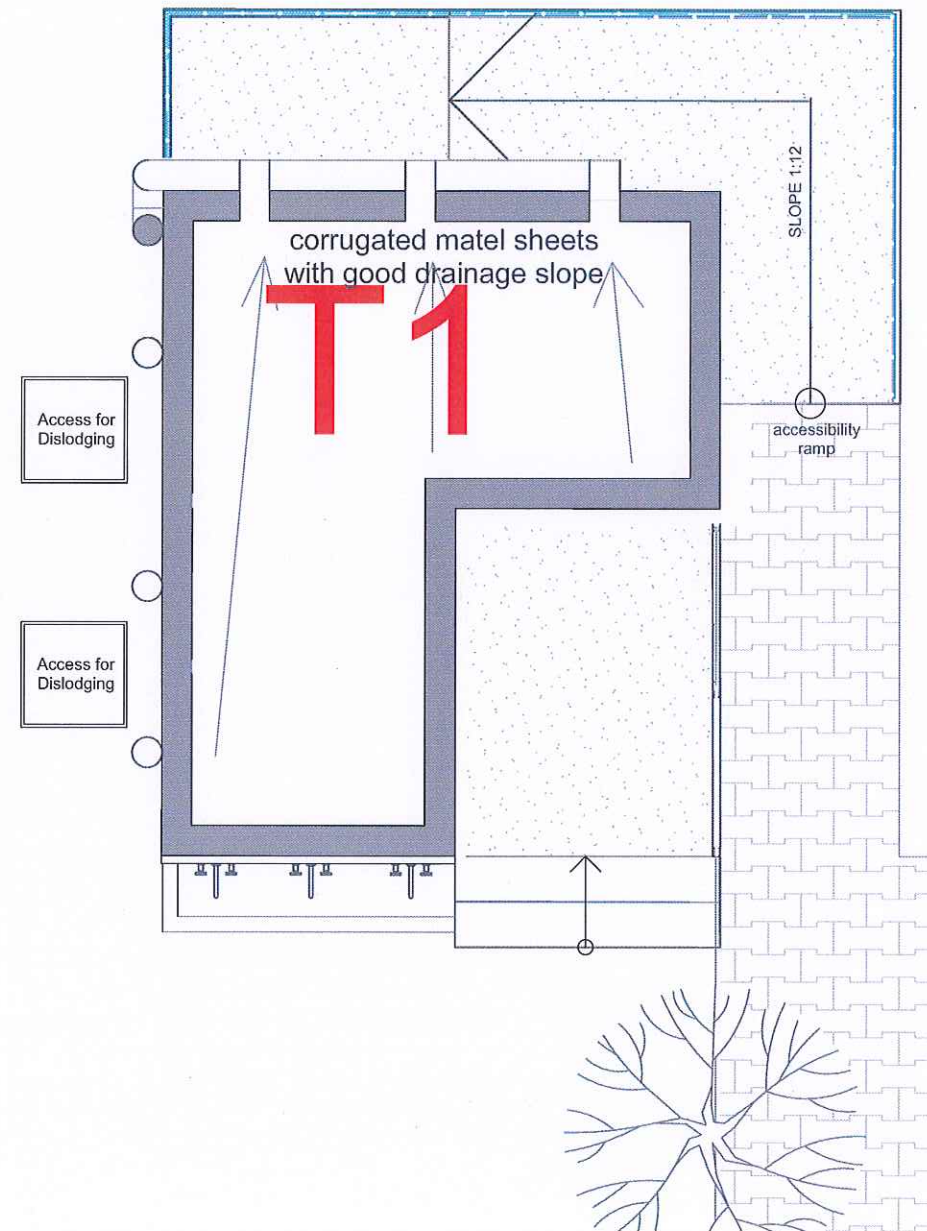








- 150 mm pvc ventilation pipe
- 150 mm rain water drainage pipe



## LEGEND

Description	
Screed cement finishing for ramp	
FLOOR TILE 30 x 30 cm	
INTERLOCK	
HANDRAIL	

DATE:  
JANUARY 2022

PROPERTY OF :  
Italian Agency for Development  
Cooperation -T05-EUTF-HOA-SDN-73-01

PROJECT NAME :  
PHC OF AL SALAM - NUTRITION  
PROGRAM (ALF05)

LOCATION :  
NORTHERN EAST AL FASHER

ARCHITECT :  
ENG.Rabab Azhari Fadle Elseed

STRUCTURAL ENGINEER :  
ENG.Designer IBRAHEM MOHAMED

CHECKED BY :  
ENG. AMRAN MOHAMMED OTHMAN

DRAWING TITLE :  
ROOF PLAN

INDEX : T1-03	SCALE : 1:50	
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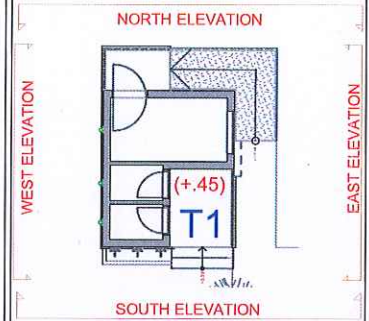
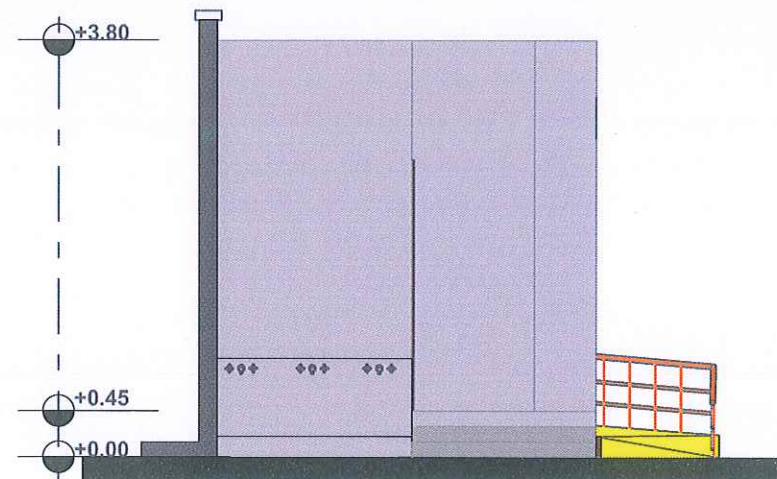
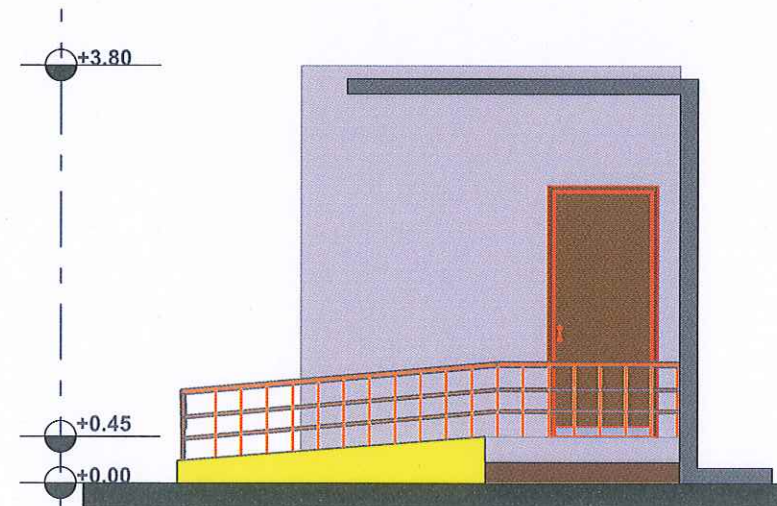
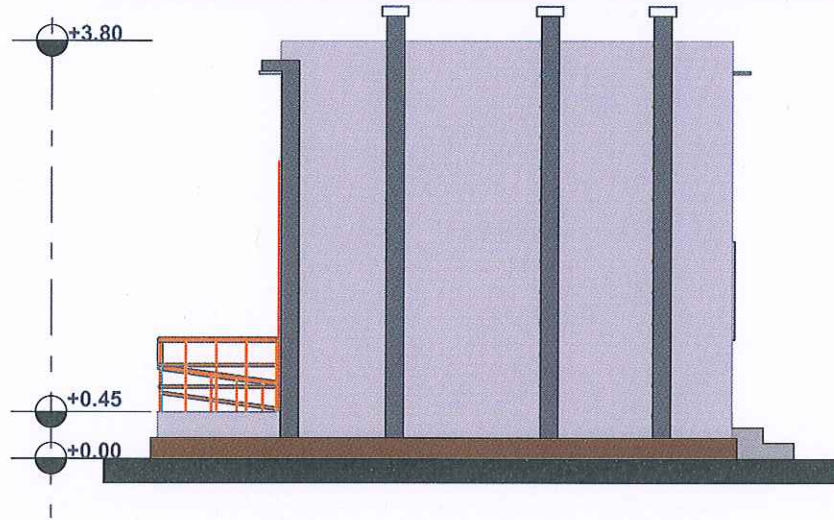
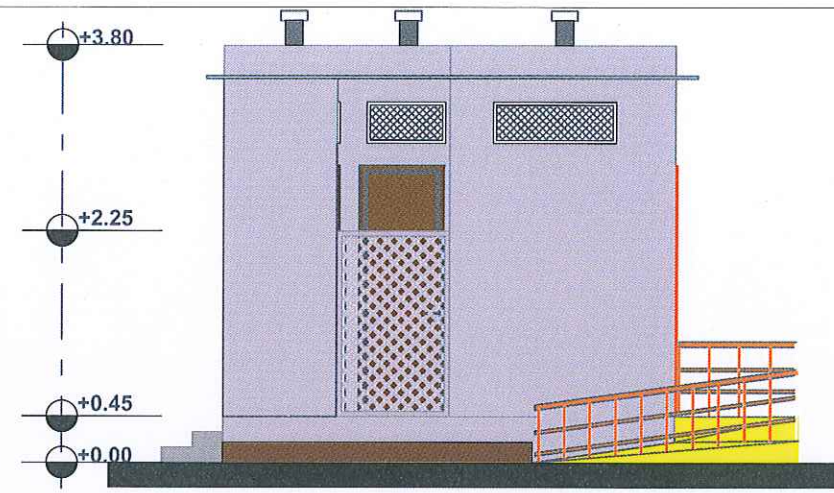


EAST ELEVATION

WEST ELEVATION

NORTH ELEVATION

SOUTH ELEVATION



# LEGEND

	Description
	h=30cm
	External painting
	New ramp
	New handrail
	mosquito net

DATE:  
JANUARY 2022

PROPERTY OF :  
Italian Agency for Development  
Cooperation -T05-EUTF-HOA-SDN-73-01

PROJECT NAME :  
PHC OF AL SALAM - NUTRITION  
PROGRAM (ALF05)

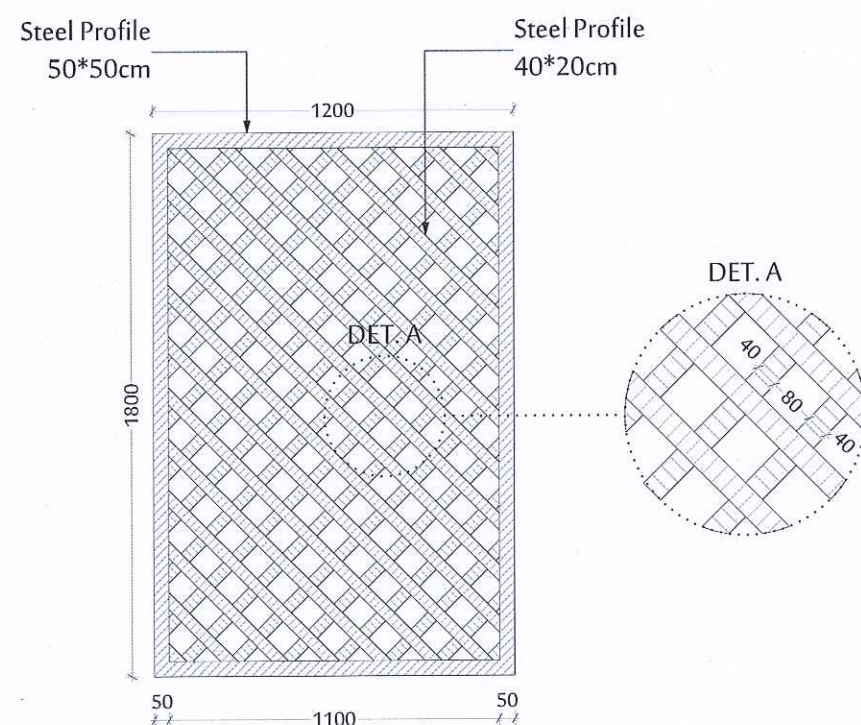
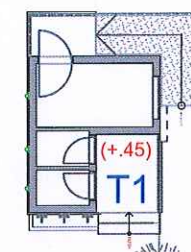
LOCATION :  
NORTHERN EAST AL FASHER

ARCHITECT :  
ENG.Rabab Azhari Fadle Elseed  
STRUCTURAL ENGINEER :  
ENG.Designer IBRAHEM MOHAMED  
CHECKED BY :  
ENG. AMRAN MOHAMMED OTHMAN

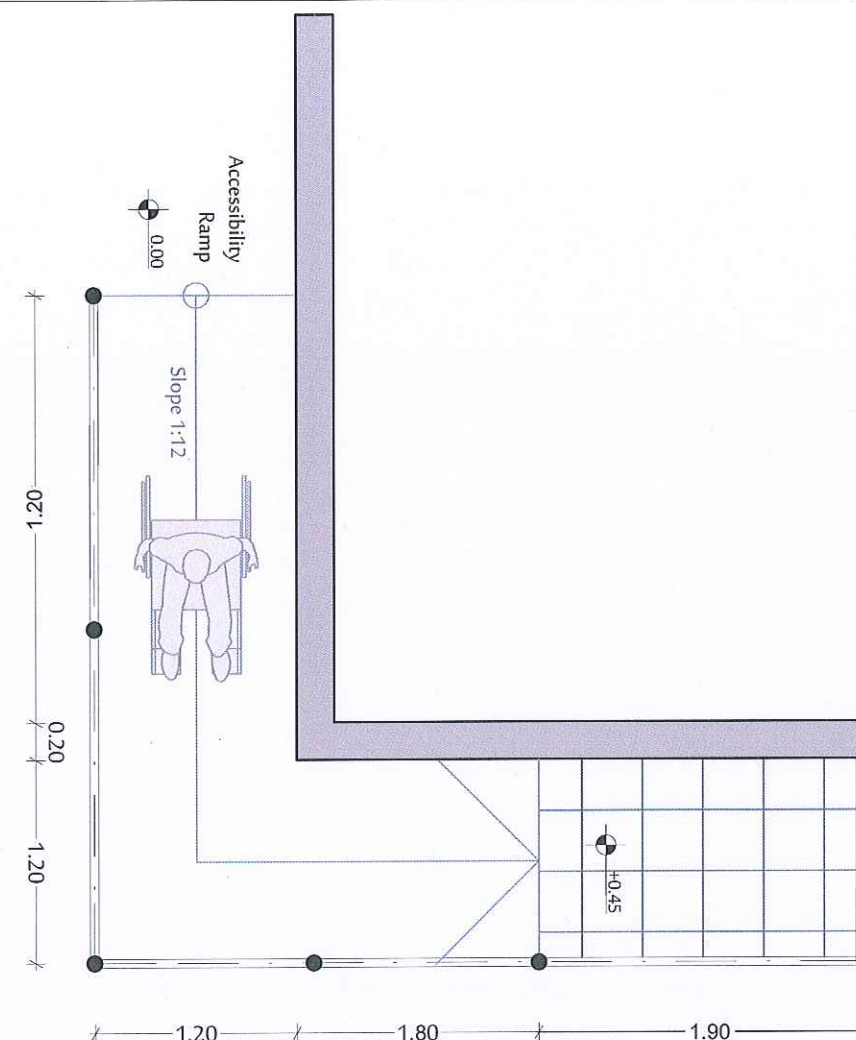
DRAWING TITLE :  
ELEVATIONS

INDEX : T1-04	SCALE : 1:70	
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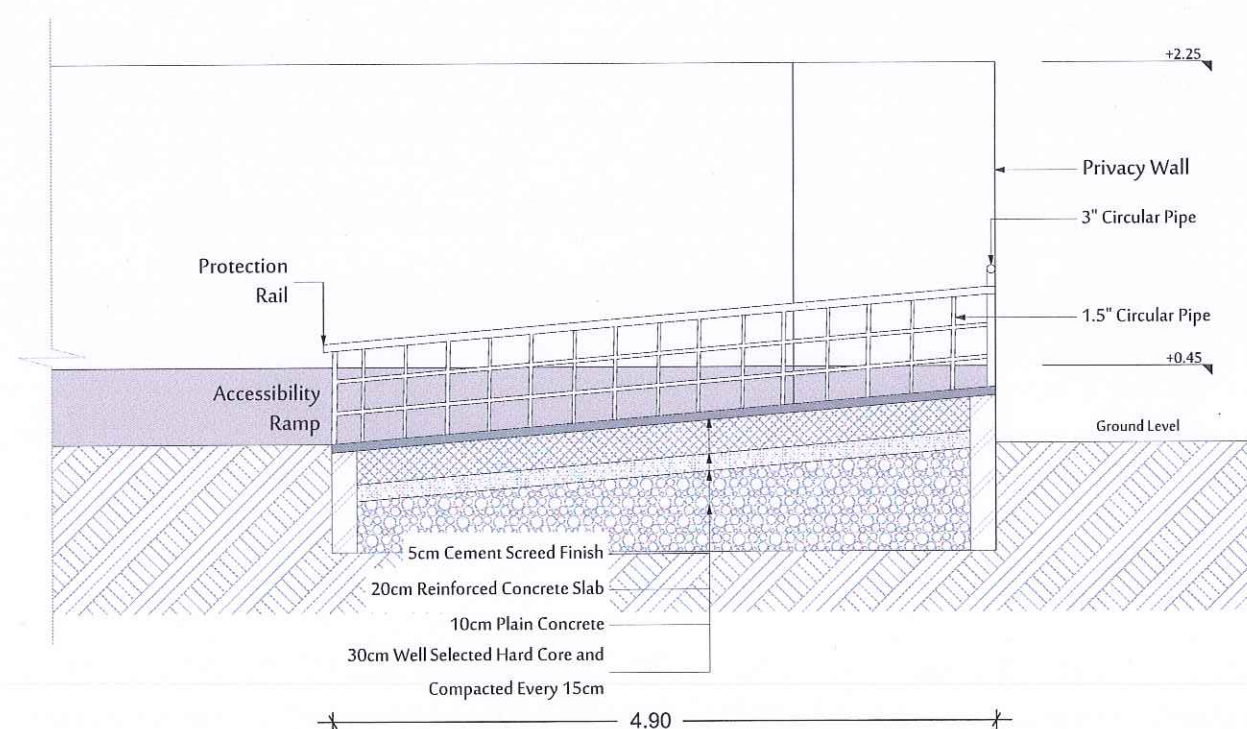




**MASHRABEYA DETAIL**



**RAMP PLAN**



**RAMP SECTION**

DATE:  
JANUARY 2022

PROPERTY OF :  
Italian Agency for Development  
Cooperation -T05-EUTF-HOA-SDN-73-01

PROJECT NAME :  
PHC OF AL SALAM - NUTRITION  
PROGRAM (ALF05)

LOCATION :  
NORTHERN EAST AL FASHER

ARCHITECT :  
ENG.Rabab Azhari Fadle Elseed  
STRUCTURAL ENGINEER :  
ENG.Designer IBRAHEM MOHAMED  
CHECKED BY :  
ENG. AMRAN MOHAMMED OTHMAN

DRAWING TITLE :  
DETAILS

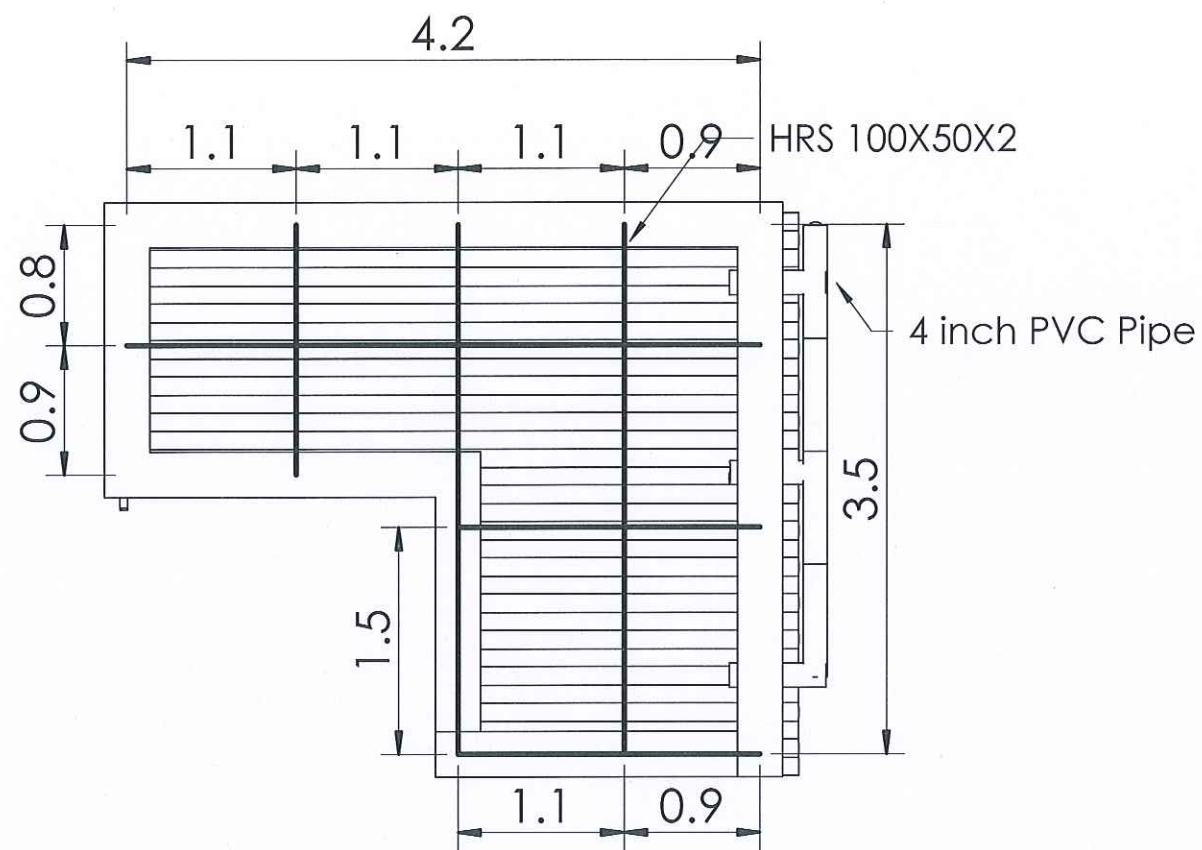
INDEX :  
T1-05  
SCALE :  
1:100



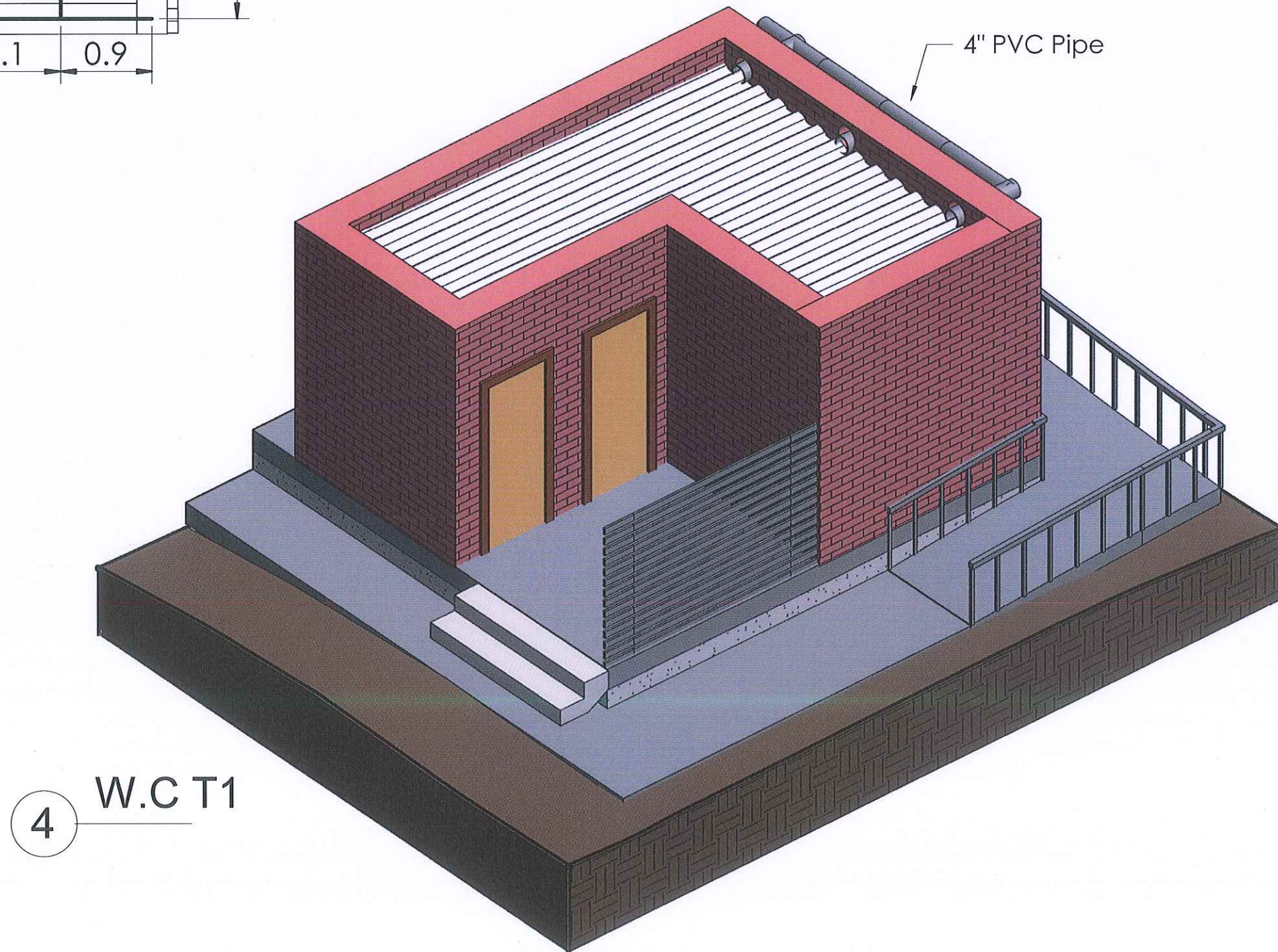


- 3 Layer of Bitumen
- 20cm Reinforcement Concrete
- RC Grade (C25)
- 10cm Plain Concrete
- 40cm Soil Replacement







1 W.C Roof T1  
1 : 50



4 W.C T1





AICS-Italian Agency for Development Cooperation - SDN  
13 Project St. no 33 Amarat, House no 25  
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AL-Amarat Mohamed Najeeb Street, Khartoum

TEL: +249925451234  
+249115418666

EMAIL: DQTC.ENGINEERING@GMAIL.COM



DOUBLE QTC ENGINEERING

PROGRAM TITLE:  
T05-EUTF-HOA-SD-73-01

PROJECT TITLE:  
PHC of Al Salam - Nutrition program (ALF05)


LOCATION:  
Northern East Al Fasher

STRUCTURAL ENGINEER:  
ENG. IBRAHIM MOHAMMED IBRAHIM

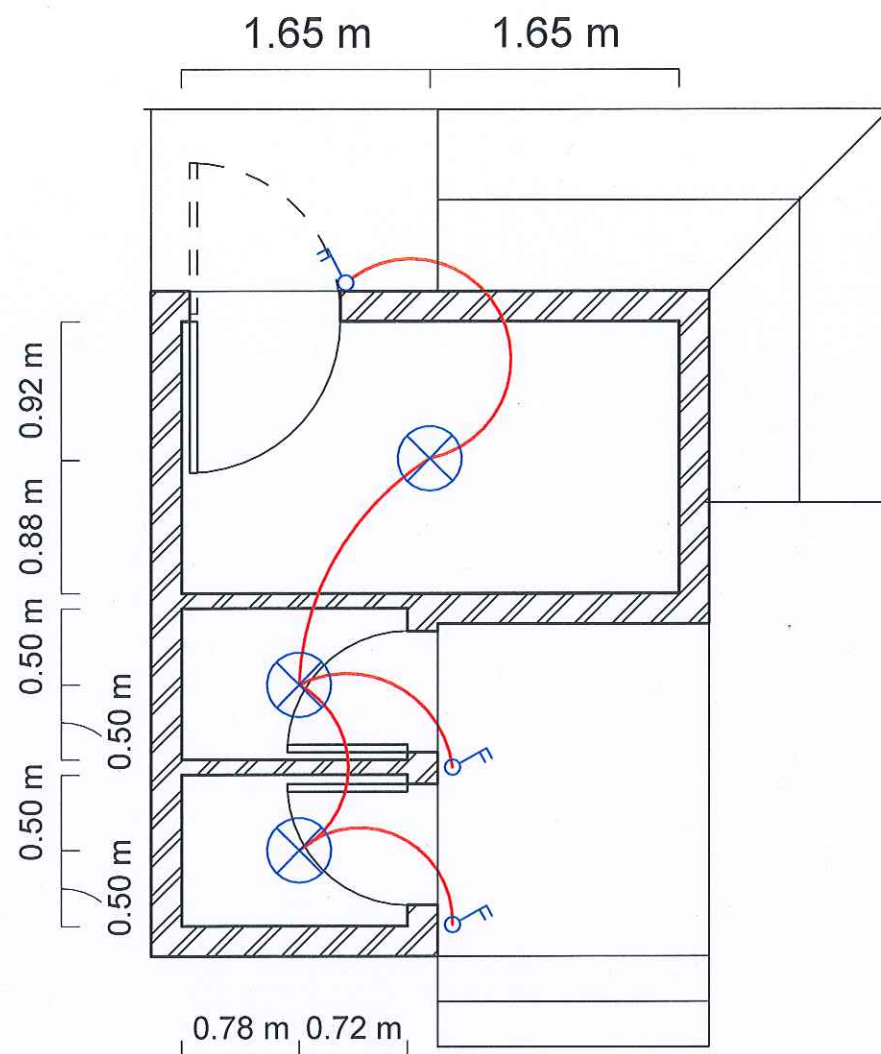
CHECKED BY:  
ENG. AMRAN MOHAMMED OTHMAN

DRAWING TITLE:  
W.C Roof System

DATE: January 2022

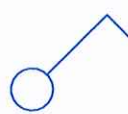



INDEX: T1-07	SCALE: 1 : 50	
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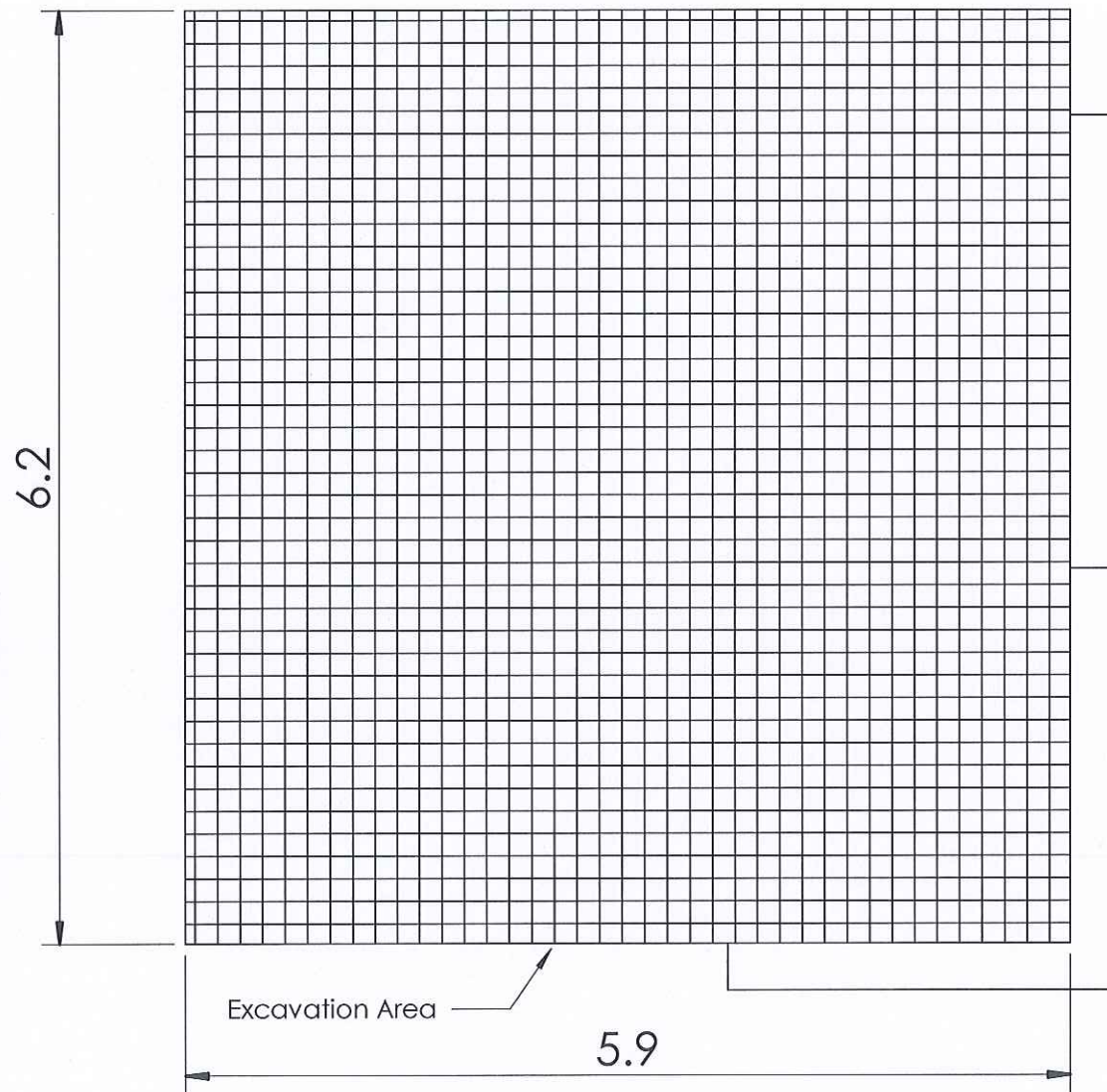
1 FEMALE W.C.  
1 : 50



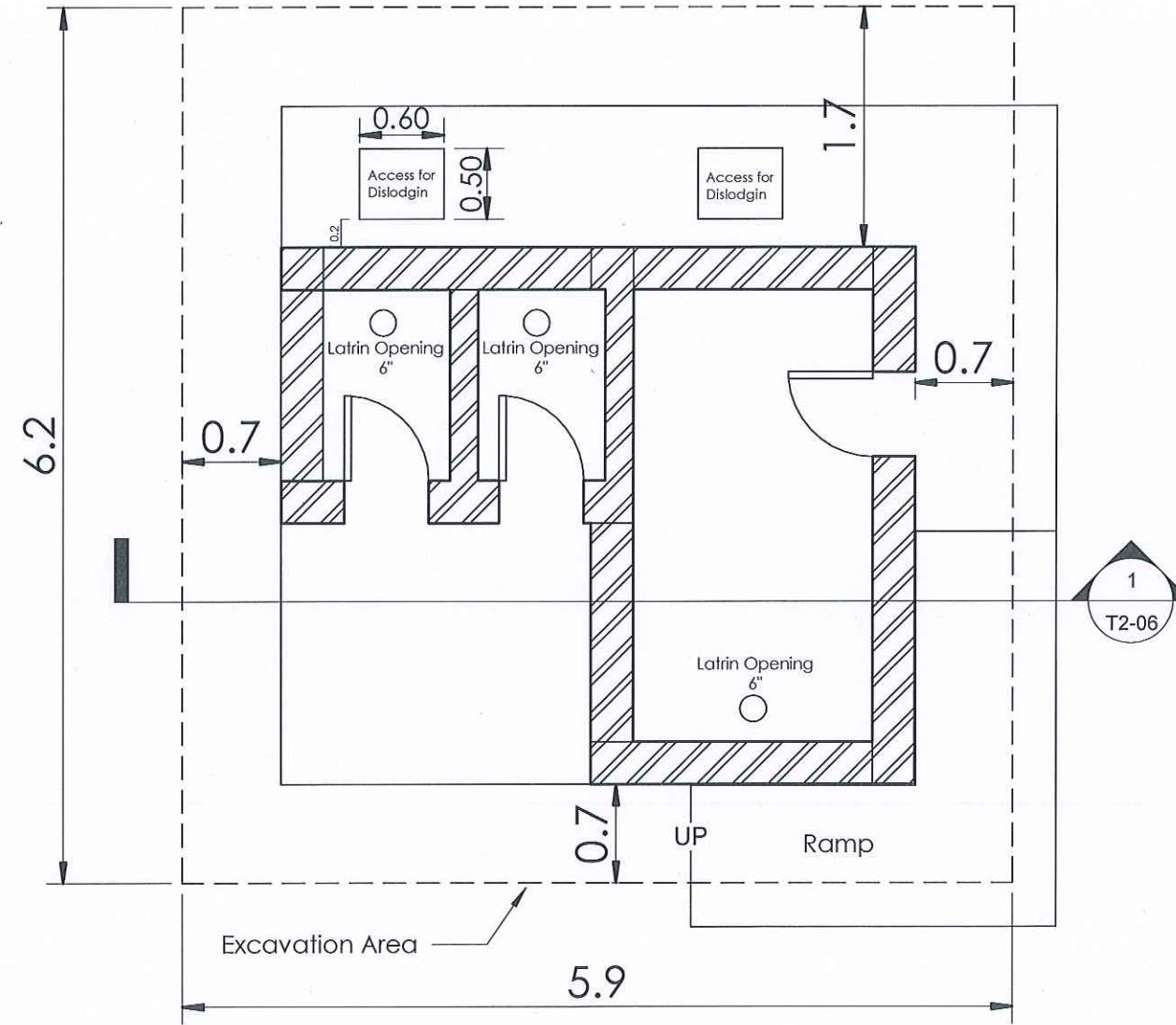
DESCRIPTION	
	SINGLE LIGHT SWITCH
	DOUBLE LIGHT SWITCH
	TRIPLE LIGHT SWITCH
	CEILING LAMP







2 Excavation Area T2  
1 : 50



1 W.C Well T2  
1 : 50



AICS-Italian Agency for Development  
Cooperation - SDN  
13 Project St. no 33 Amarat, House no 25  
Block 12 K-east Khartoum, SUDAN

AL-Amarat Mohamed Najeeb Street, Khartoum

TEL. +249925451234  
+249115418666

EMAIL: [DQTC.ENGINEERING@GMAIL.COM](mailto:DQTC.ENGINEERING@GMAIL.COM)



DOUBLE QTC ENGINEERING

PROGRAM TITLE:

T05-EUTF-HOA-SD-73-01

PROJECT TITLE:

PHC of Al Salam - Nutrition  
program (ALF05)

LOCATION:

Northern East Al Fasher

STRUCTURAL ENGINEER:

ENG. IBRAHIM MOHAMMED IBRAHIM

CHECKED BY:

ENG. AMRAN MOHAMMED OTHMAN

DRAWING TITLE:

Latrine Under Ground - Excavation  
Plan

DATE: January 2022

INDEX:

T2-01

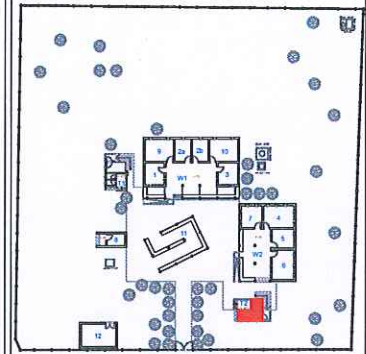
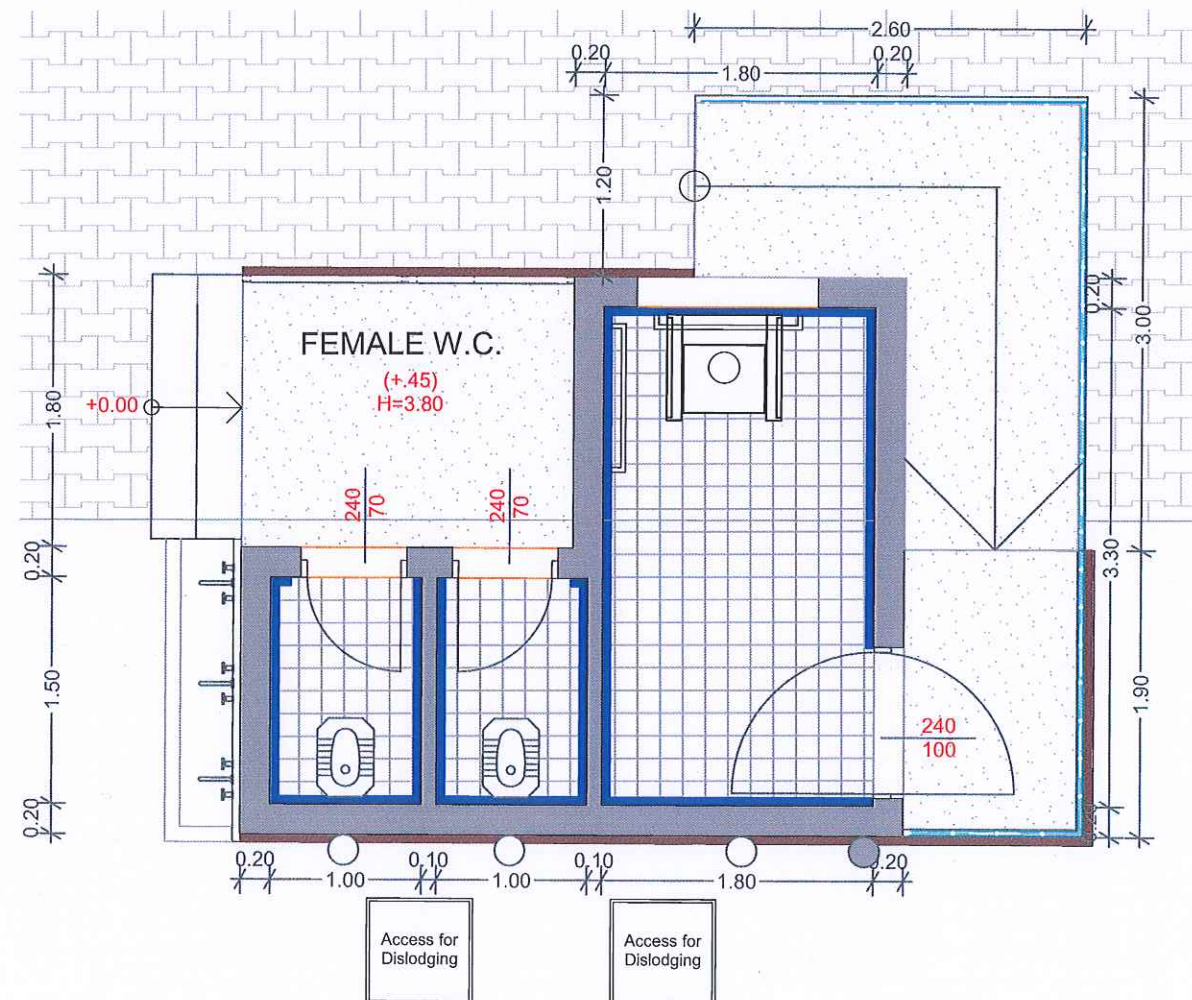
SCALE:

1 : 50











- 150 mm pvc ventilation pipe  
● 150 mm rain water drainage pipe



## LEGEND

Description	
Screed cement finishing for ramp	
Curbstone h=30cm	
WALL TILE 15 x 15 cm	
FLOOR TILE 30 x 30 cm	
INTERLOCK	
HANDRAIL	

DATE:  
JANUARY 2022

PROPERTY OF :  
Italian Agency for Development  
Cooperation -T05-EUTF-HOA-SDN-73-01

PROJECT NAME :  
PHC OF AL SALAM - NUTRITION  
PROGRAM (ALF05)

LOCATION :  
NORTHERN EAST AL FASHER

ARCHITECT :  
ENG.Rabab Azhari Fadle Elseed

STRUCTURAL ENGINEER :  
ENG.Designer IBRAHEM MOHAMED

CHECKED BY :  
ENG. AMRAN MOHAMMED OTHMAN

DRAWING TITLE :  
GROUND FLOOR PLAN

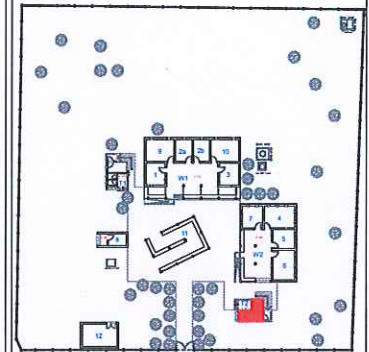
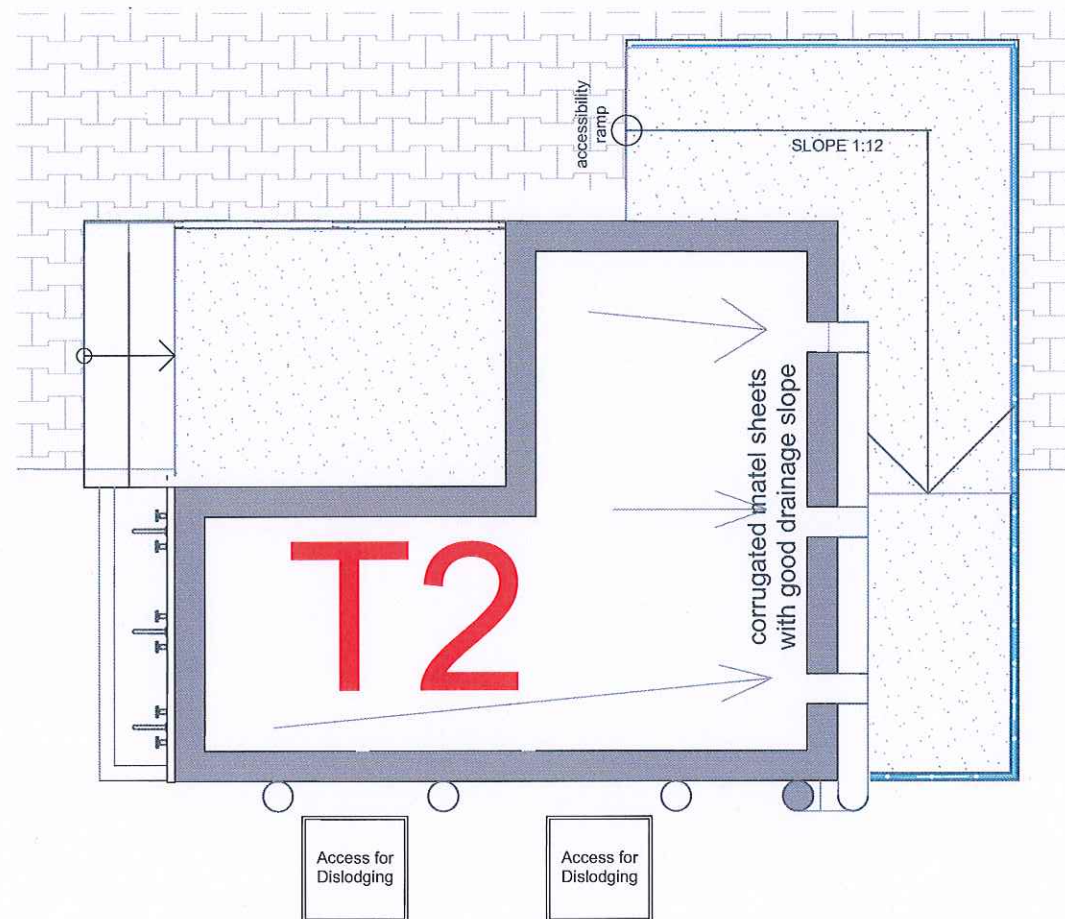
INDEX :  
T2-02

SCALE :  
1:50





- 150 mm pvc ventilation pipe  
● 150 mm rain water drainage pipe



## LEGEND

Description	
Screed cement finishing for ramp	
FLOOR TILE 30 x 30 cm	
INTERLOCK	
HANDRAIL	

DATE:  
JANUARY 2022

PROPERTY OF :  
Italian Agency for Development  
Cooperation -T05-EUTF-HOA-SDN-73-01

PROJECT NAME :  
PHC OF AL SALAM - NUTRITION  
PROGRAM (ALF05)

LOCATION :  
NORTHERN EAST AL FASHER

ARCHITECT :  
ENG.Rabab Azhari Fadle Elseed

STRUCTURAL ENGINEER :  
ENG.Designer IBRAHEM MOHAMED

CHECKED BY :  
ENG. AMRAN MOHAMMED OTHMAN

DRAWING TITLE :  
ROOF PLAN

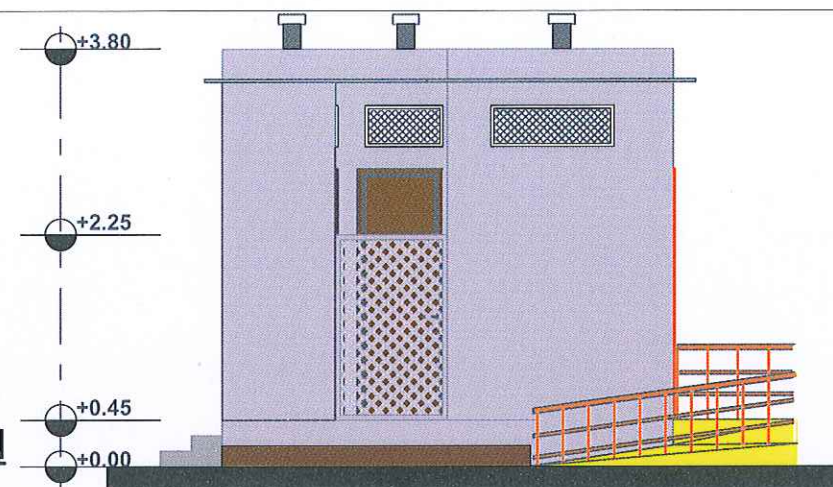
INDEX :  
T2-03

SCALE :  
1:50

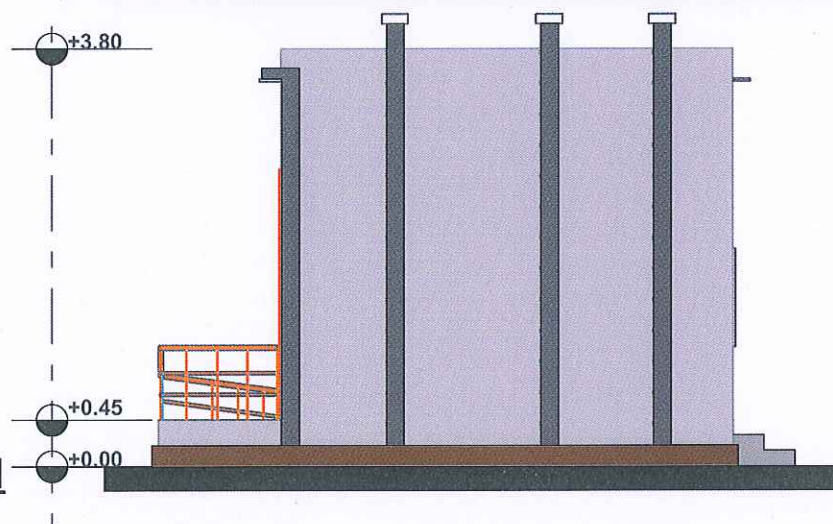




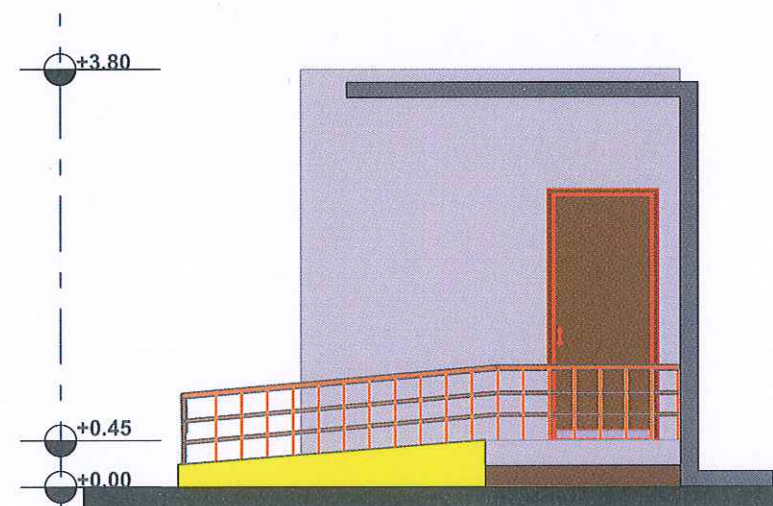
NORTH ELEVATION



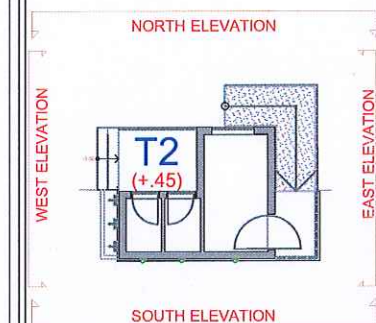
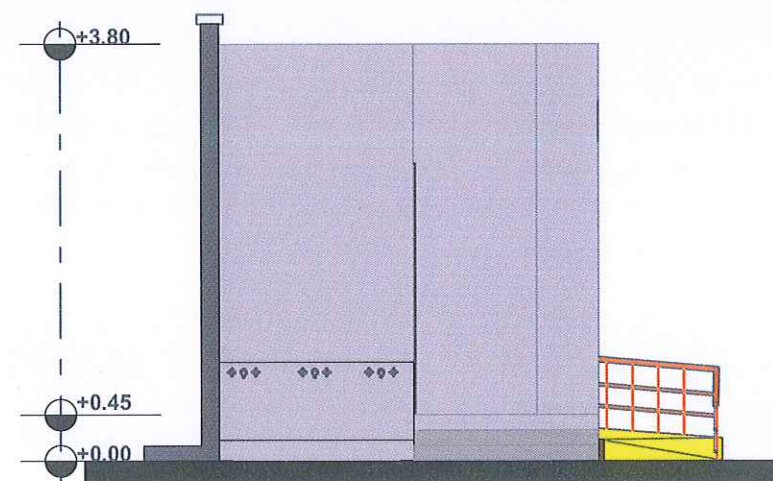
SOUTH ELEVATION



EAST ELEVATION



WEST ELEVATION



## LEGEND

	Description
	h=30cm
	External painting
	New ramp
	New handrail
	mosquito net

DATE:  
JANUARY 2022

PROPERTY OF :  
Italian Agency for Development  
Cooperation -T05-EUTF-HOA-SDN-73-01

PROJECT NAME :  
PHC OF AL SALAM - NUTRITION  
PROGRAM (ALF05)

LOCATION :  
NORTHERN EAST AL FASHER

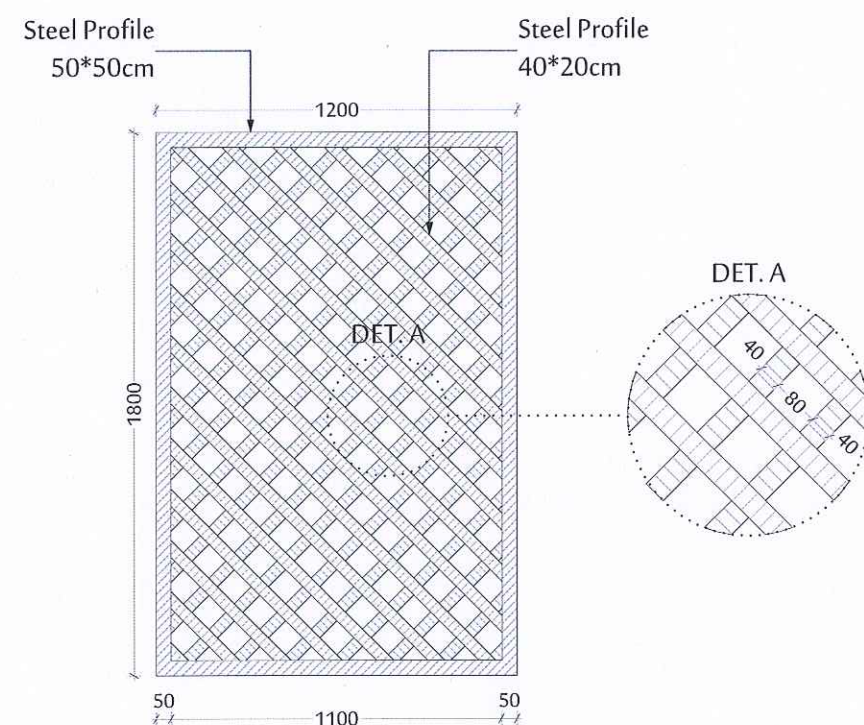
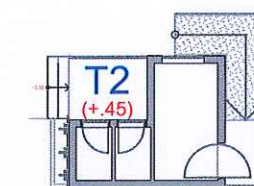
ARCHITECT :  
ENG.Rabab Azhari Fadle Elseed  
STRUCTURAL ENGINEER :  
ENG.Designer IBRAHEM MOHAMED  
CHECKED BY :  
ENG. AMRAN MOHAMMED OTHMAN

DRAWING TITLE :  
ELEVATIONS

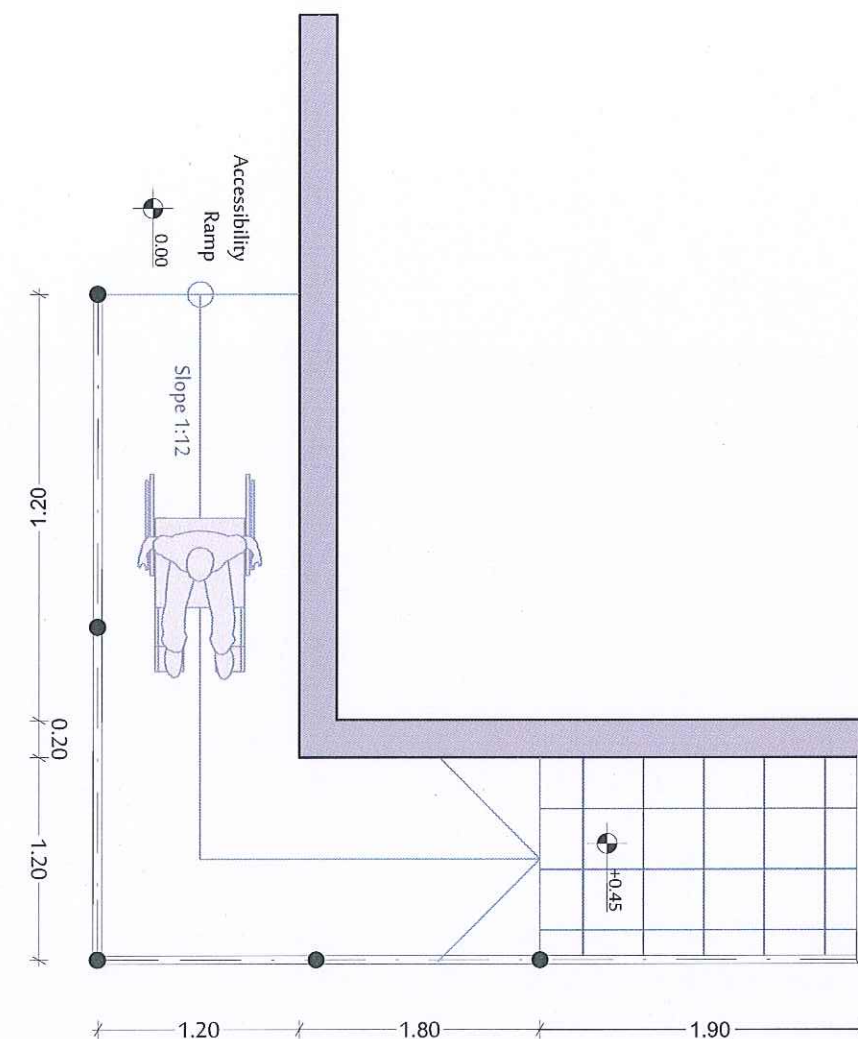
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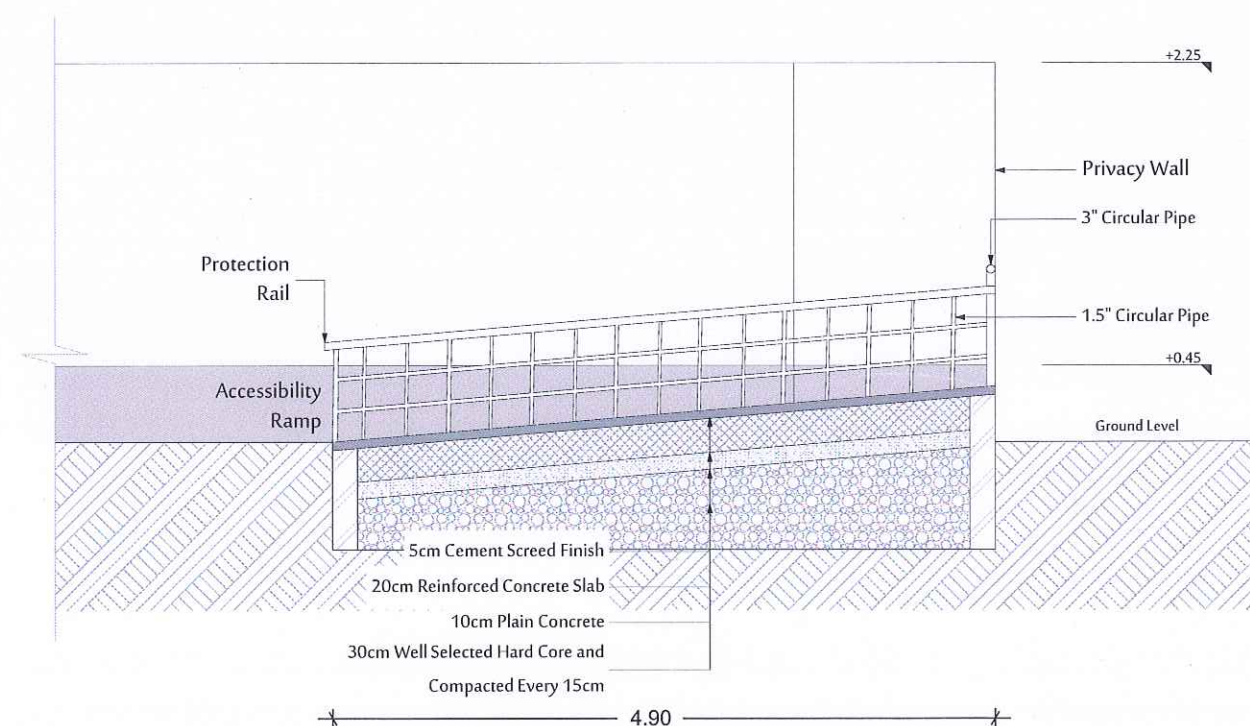




**MASHRABEYA DETAIL**



**RAMP PLAN**



**RAMP SECTION**

DATE:  
JANUARY 2022

PROPERTY OF :  
Italian Agency for Development  
Cooperation -T05-EUTF-HOA-SDN-73-01

PROJECT NAME :  
PHC OF AL SALAM - NUTRITION  
PROGRAM (ALF05)

LOCATION :  
NORTHERN EAST AL FASHER

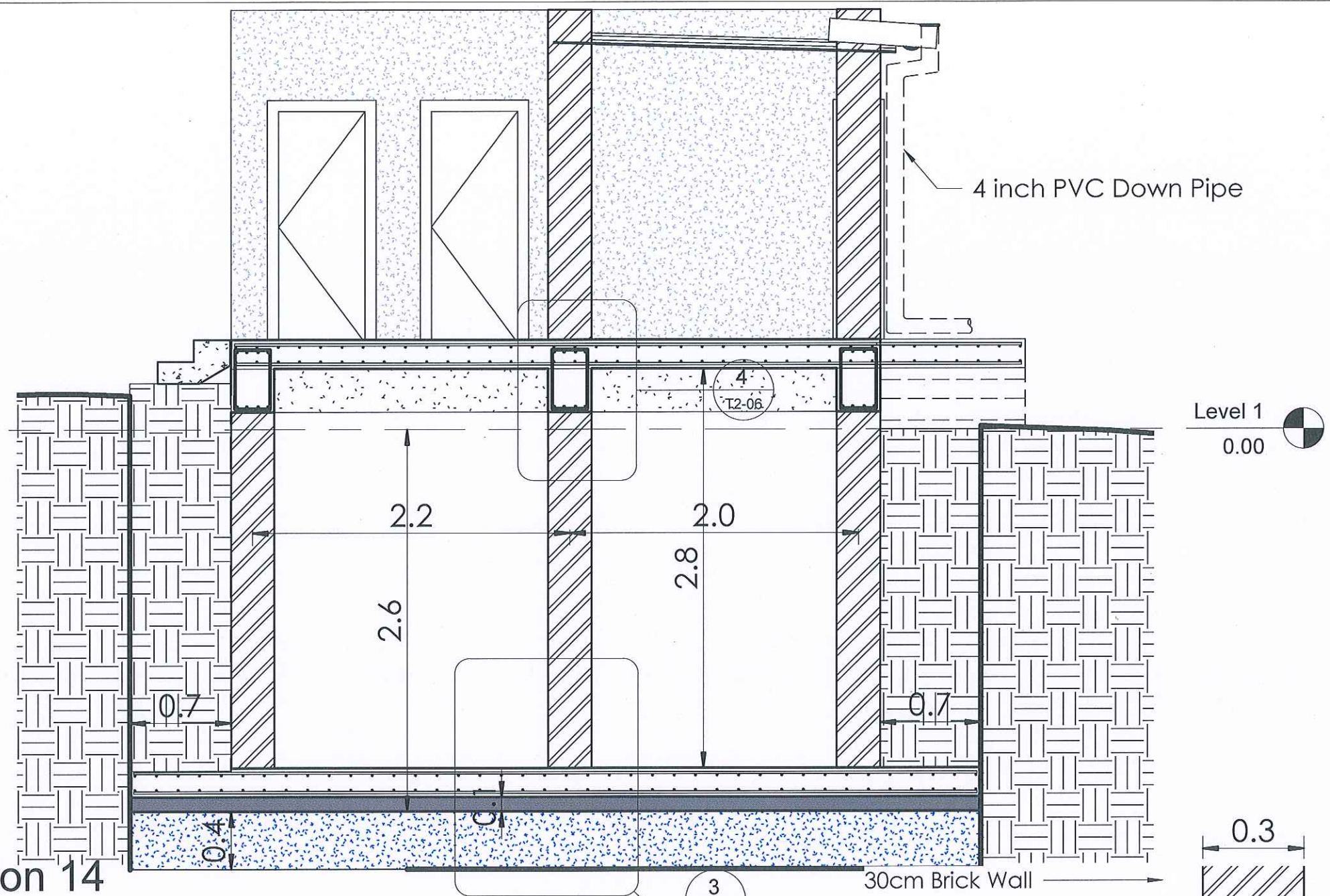
ARCHITECT :  
ENG.Rabab Azhari Fadle Elseed  
STRUCTURAL ENGINEER :  
ENG.Designer IBRAHEM MOHAMED  
CHECKED BY :  
ENG. AMRAN MOHAMMED OTHMAN

DRAWING TITLE :  
DETAILS

INDEX :  
T2-05  
SCALE :  
1:100







Section 14

1 : 35

T16@150mm C/C BOTT&TOP

RC Grade (C25)  
thick = 20cm

R8@125mm C/C

4T16

Section 14 - Callout 2

4

1 : 15

T16@150mm C/C BOT & TOP

0.2  
0.1  
0.2  
0.4

- 3 Layer of Bitumen  
 - 20cm Reinforcement Concrete  
 - RC Grade (C25)  
 - 10cm Plain Concrete  
 - 40cm Soil Replacement

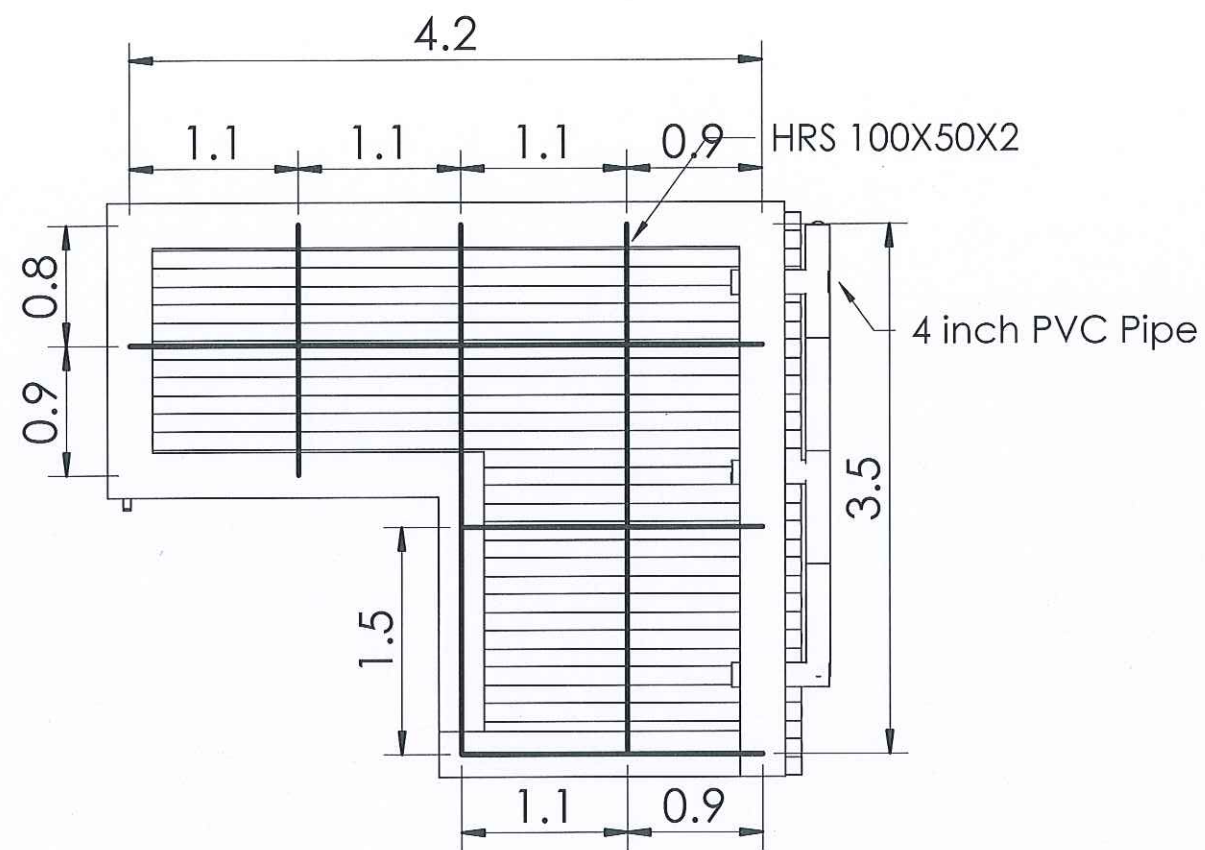
Section 14 - Callout 1

3

1 : 15



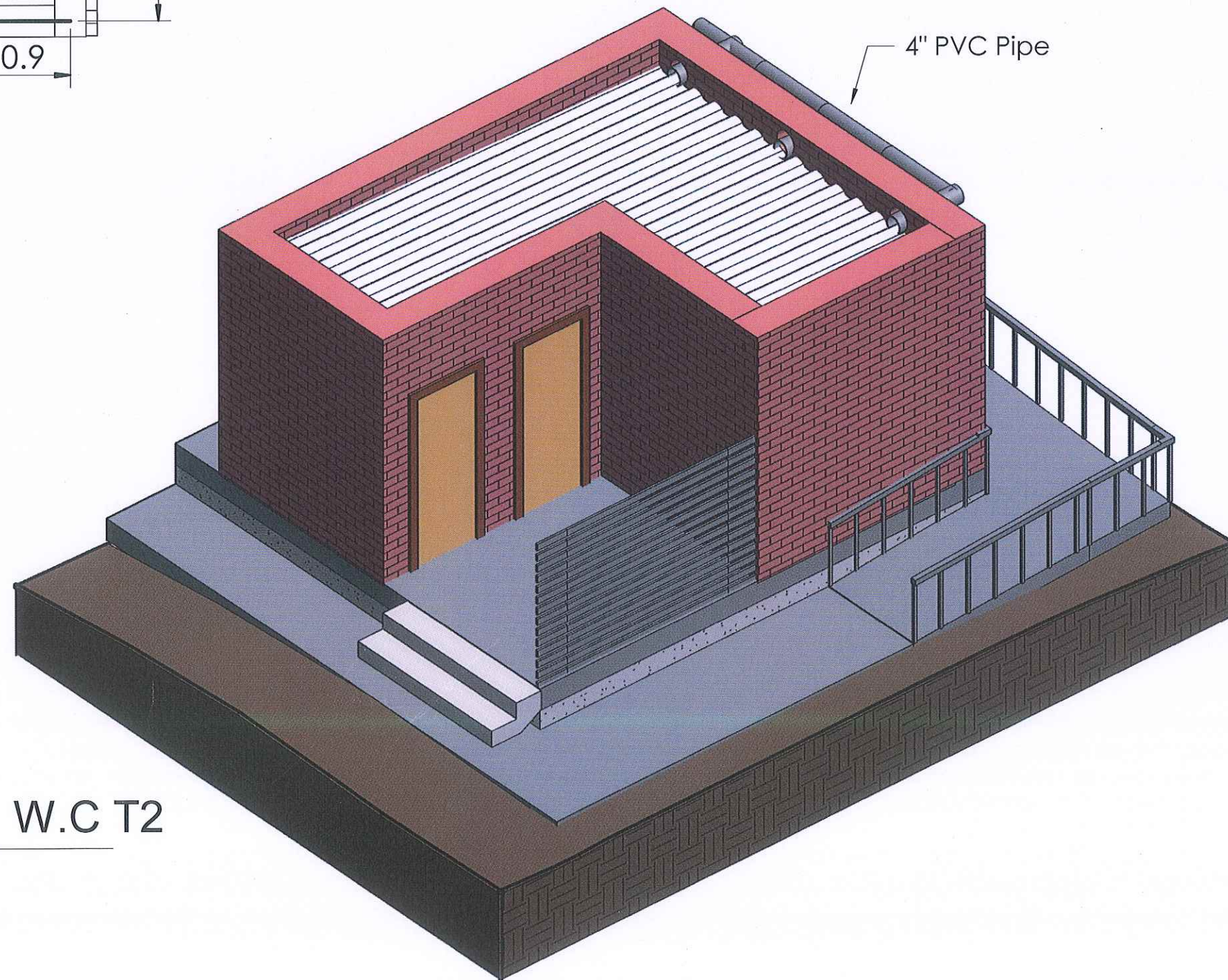




W.C Roof T2

1

1 : 50



W.C T2

4



AICS-Italian Agency for Development  
Cooperation - SDN  
13 Project St. no 33 Amarat, House no 25  
Block 12 K-east Khartoum, SUDAN

AL-Amarat Mohamed Najeeb Street, Khartoum

TEL: +249925451234  
+249115418666

EMAIL: DQTC.ENGINEERING@GMAIL.COM



DOUBLE QTC ENGINEERING

PROGRAM TITLE:

T05-EUTF-HOA-SD-73-01

PROJECT TITLE:

PHC of Al Salam - Nutrition  
program (ALF05)

LOCATION:

Northern East Al Fasher

STRUCTURAL ENGINEER:

ENG. IBRAHIM MOHAMMED IBRAHIM

CHECKED BY:

ENG. AMRAN MOHAMMED OTHMAN

DRAWING TITLE:

W.C Roof System

DATE: January 2022

INDEX:

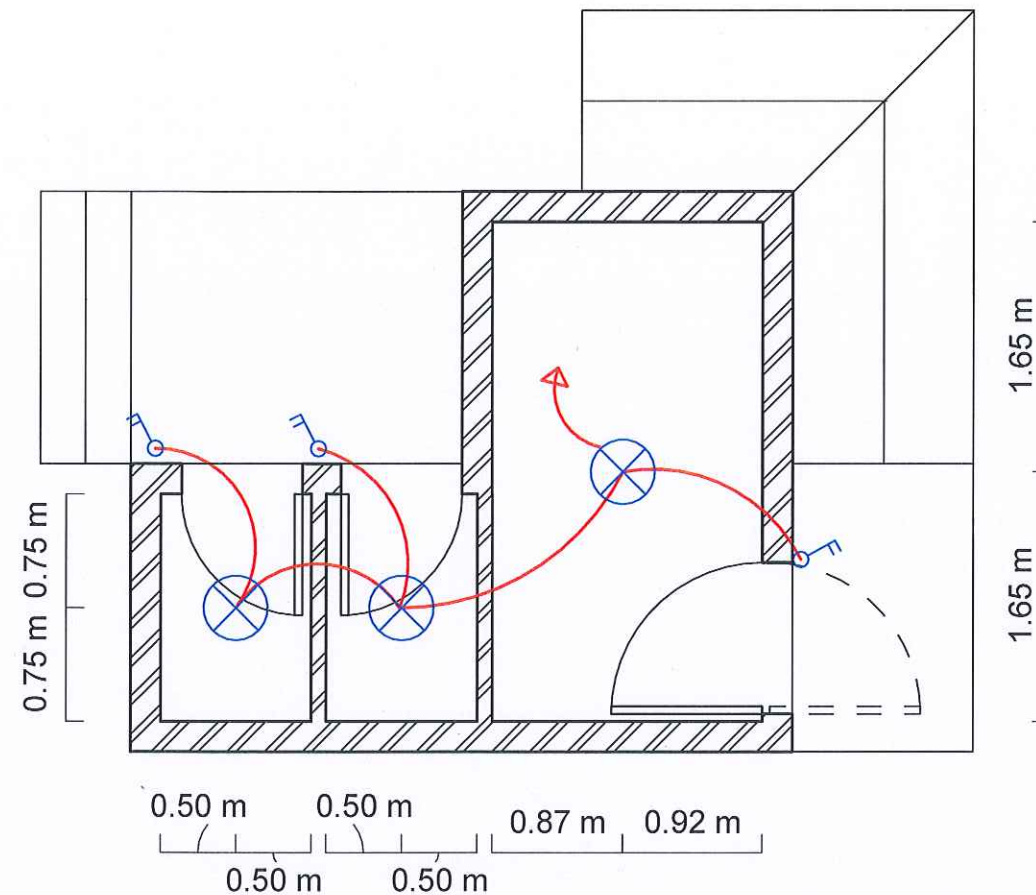
T2-03

SCALE:

1 : 50







1

MALE W.C  
1 : 50

PROGRAM TITLE:  
T05-EUF-HOA-SD-73-01

PROJECT TITLE:  
PHC of Al Salam - Nutrition Program




LOCATION:  
Northern East Al Fasher

ELECTRICAL ENGINEER:  
ENG.MOHAMMED SALAH ALAMIR  
CHECKED BY:  
ENG. AMRAN MOHAMMED OTHMAN

DRAWING TITLE:  
BLOCK T2 ELECTRICAL LAYOUT

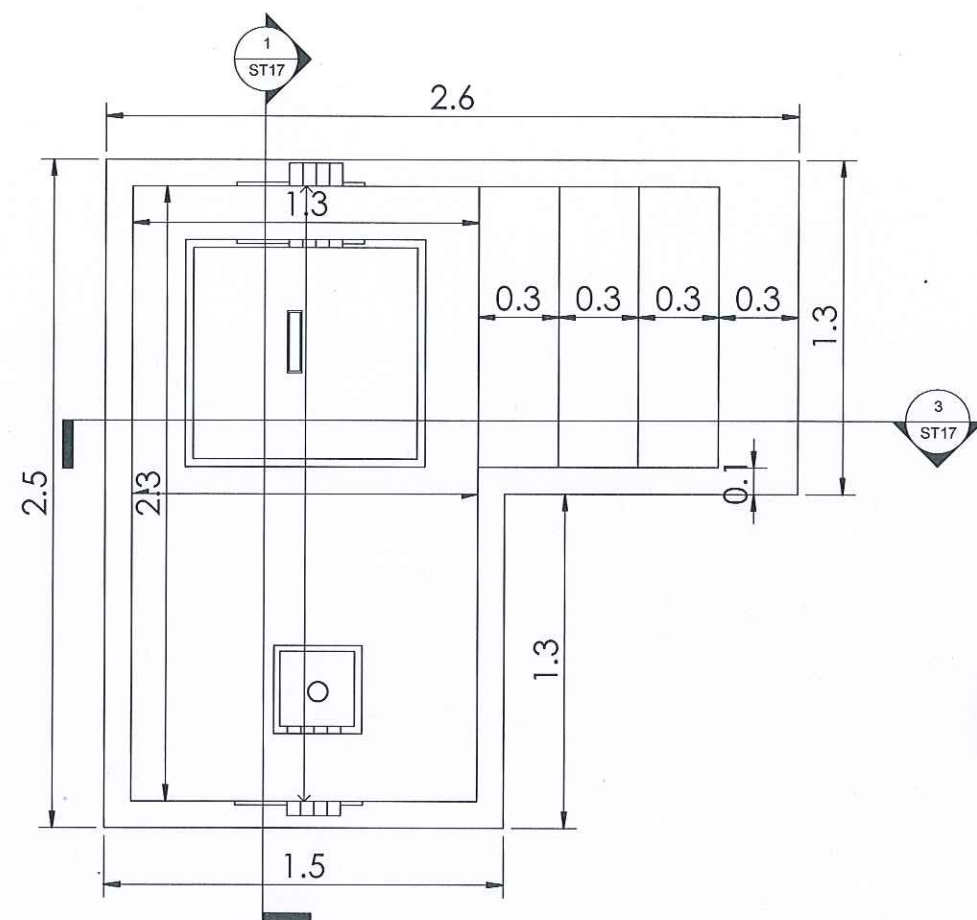
DATE: JANUARY 2022

INDEX: T2\_08  
SCALE: 1 : 50

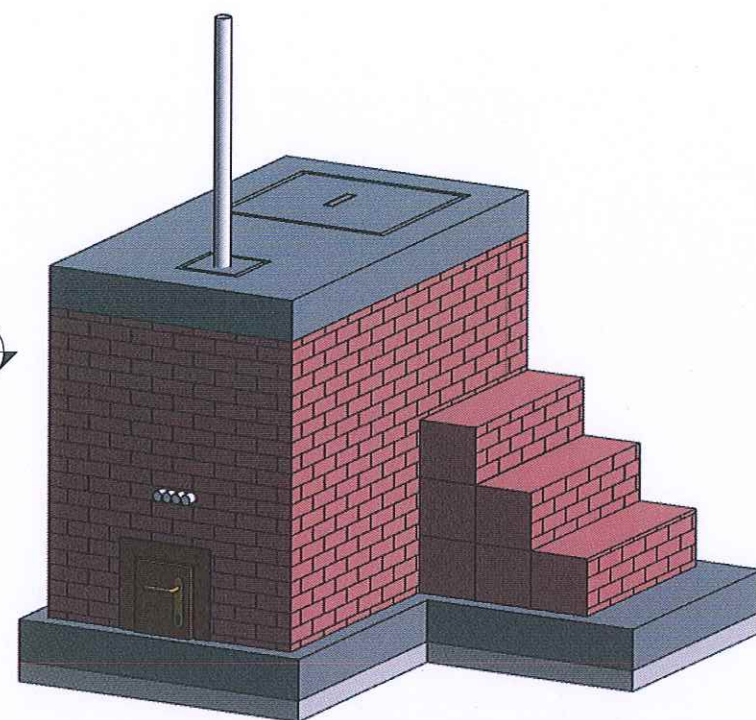
DESCRIPTION	
	SINGLE LIGHT SWITCH
	DOUBLE LIGHT SWITCH
	TRIPLE LIGHT SWITCH
	CEILING LAMP



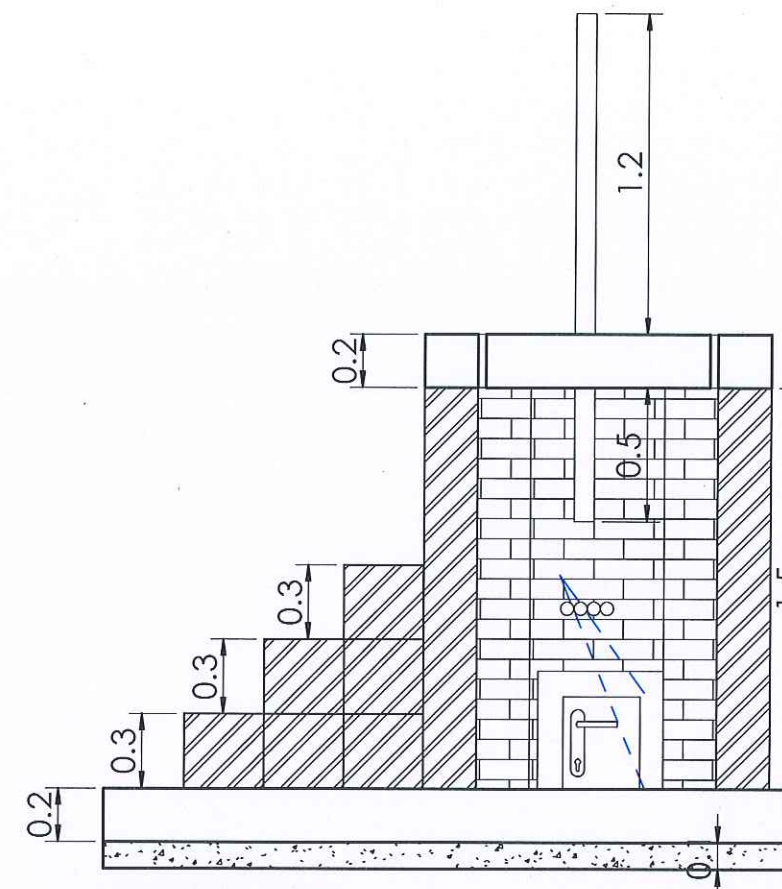




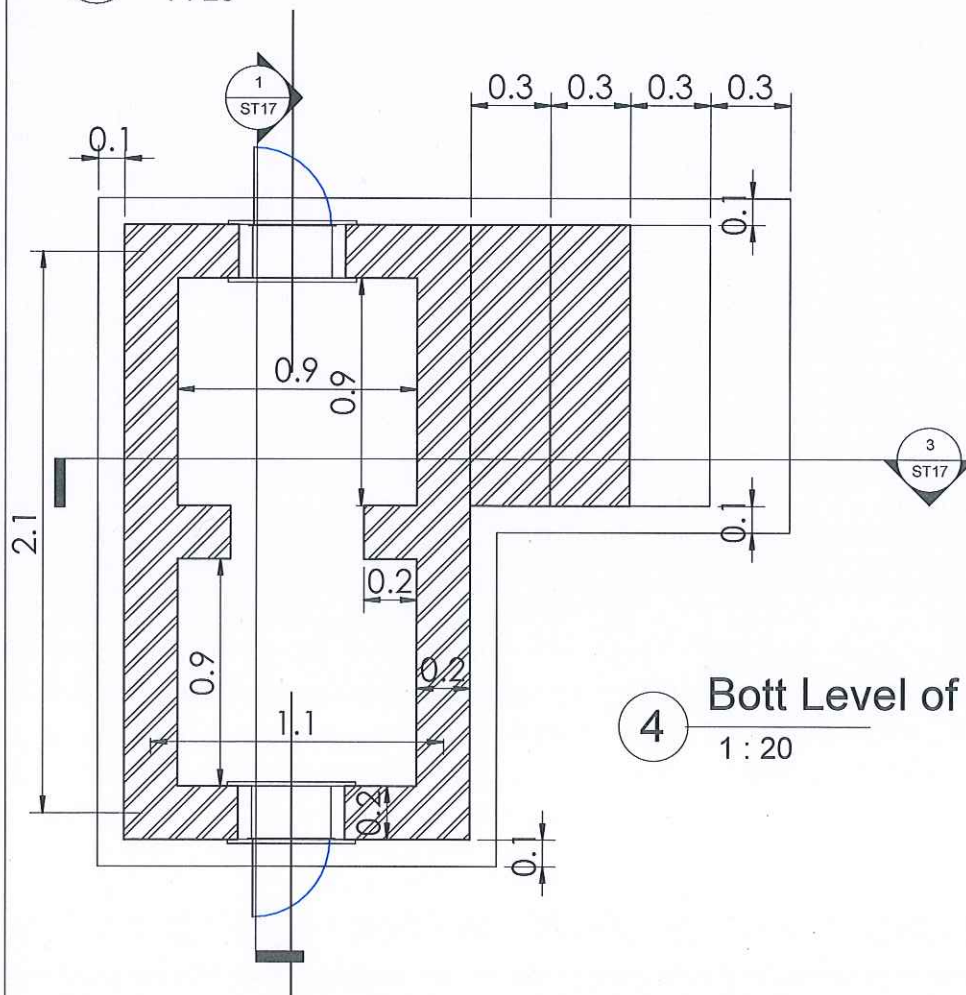
2 Medical Waste Disposal  
Plan  
1:20



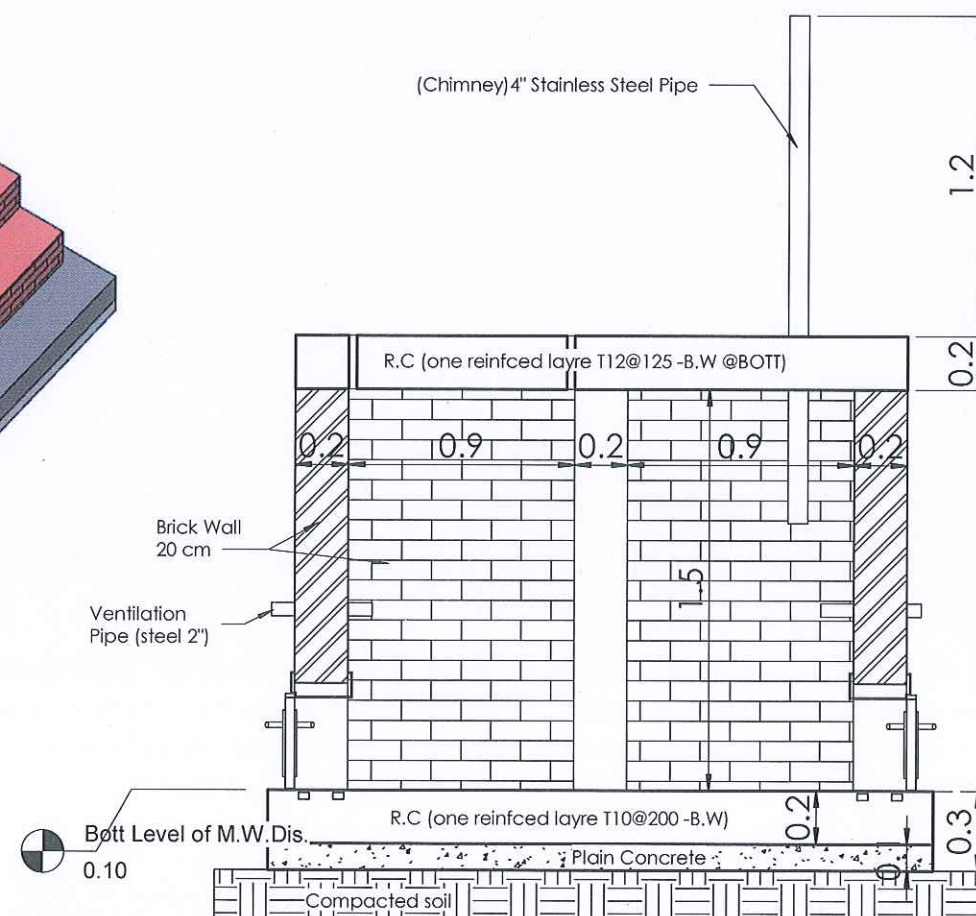
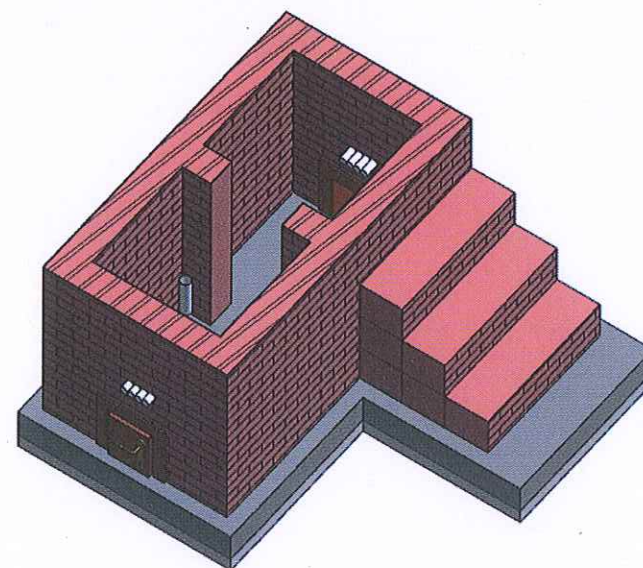
5 3D Medical Waste Disposal



3 Section 17  
1:20



4 Bott Level of M.W.Dis.  
1:20



1 Section 16  
1:20



AICS-Italian Agency for Development  
Cooperation - SDN  
13 Project St. no 33 Amaral, House no 25  
Block 12 K-east Khartoum, SUDAN

AL-Amaral Mohamed Najeeb Street, Khartoum  
TEL: +249925451234  
+249115418666  
EMAIL: DQTC.ENGINEERING@GMAIL.COM



PROGRAM TITLE :  
T05-EUTF-HOA-SD-73-01

PROJECT TITLE :  
PHC of Al Salam - Nutrition program  
(ALF05)

LOCATION :  
Northern East Al Fasher

ARCHITECT :  
ENG.Rabab Azhari Fadle Elseed  
STRUCTURAL ENGINEER :  
ENG.IBRAHIM MOHAMMED IBRAHIM  
CHECKED BY :  
ENG. AMRAN MOHAMMED OTHMAN

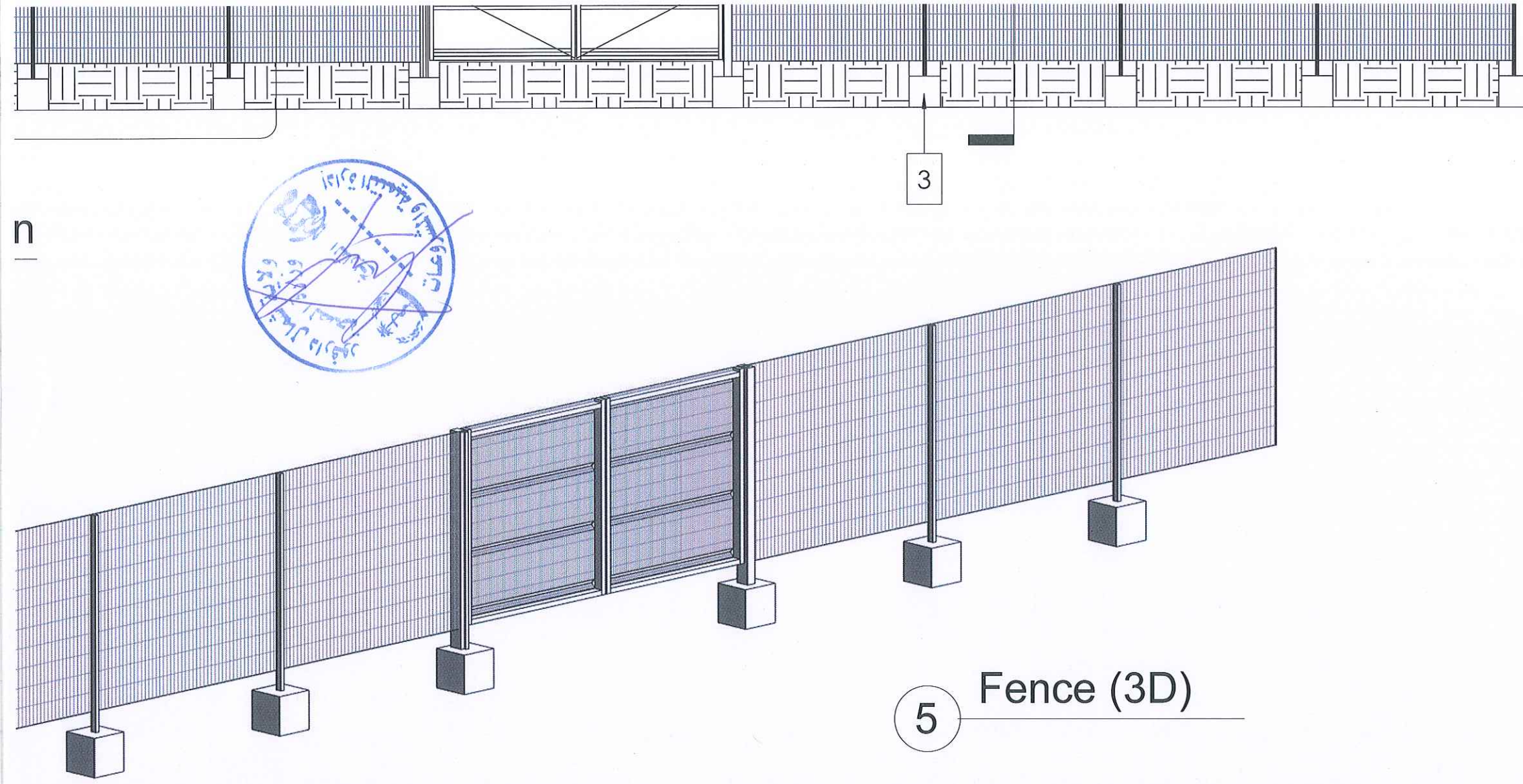
DRAWING TITLE :  
Medical Waste Disposal

DATE : January 2022

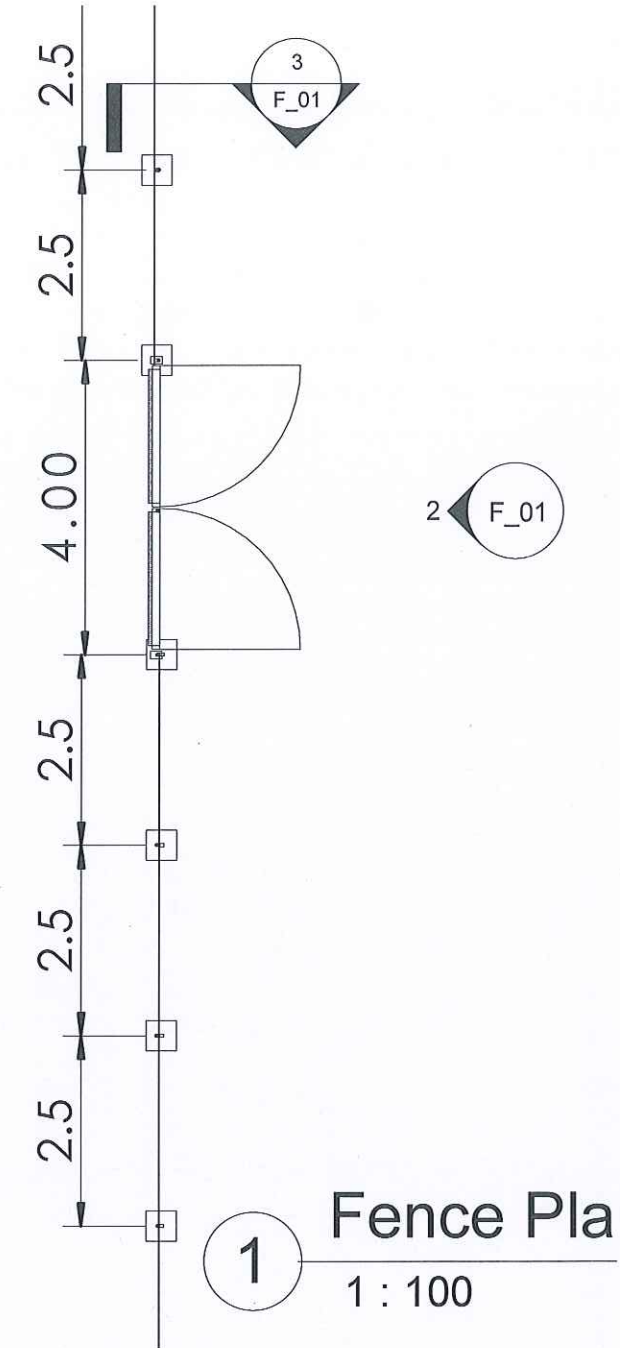
INDEX : MWD\_01  
SCALE : 1:20





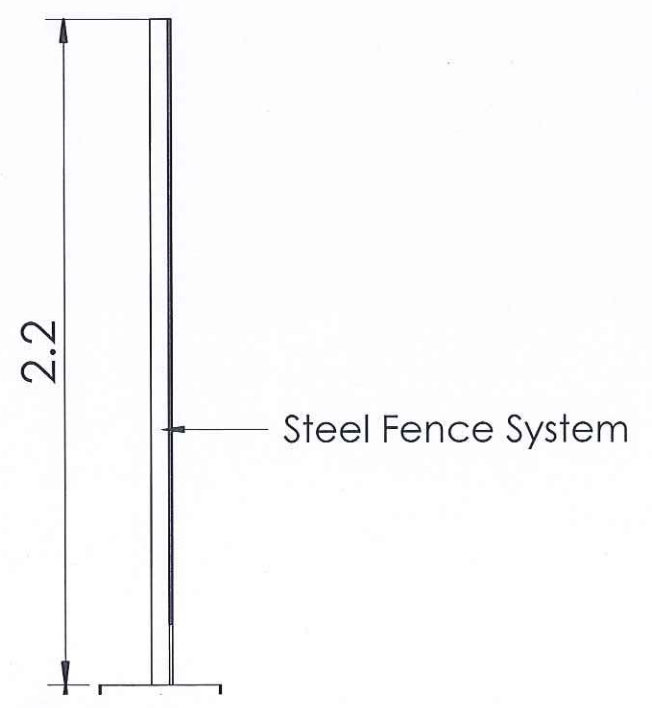
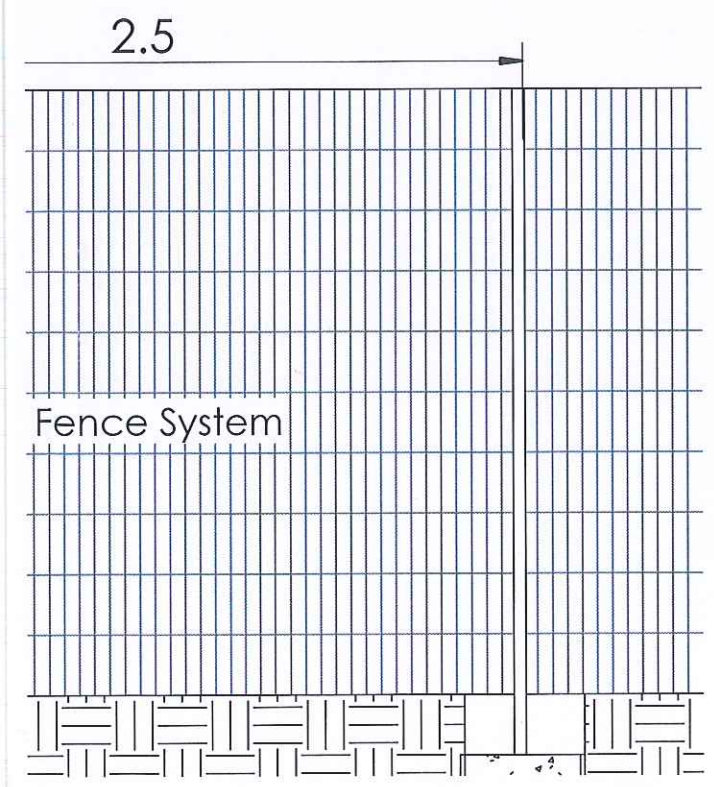


5 Fence (3D)



1 Fence Pla  
1 : 100

NBS\_CLD Fencing Systems



1	Metal Grid
2	HRS 80X40X2
3	Concerete Pocket Foundation (C20)
4	Entrance Door
5	HRS 60X30X2 (Frame for Entrance Door)