



C.CLASSES + SKILLS LAB BLOCK



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

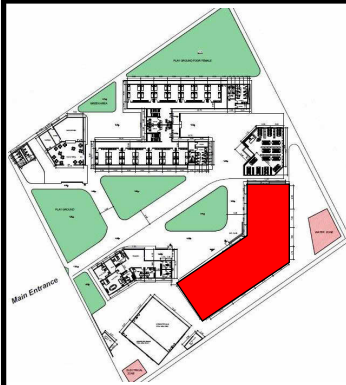
Al-Amarat Mohamed Najeeb Street, Khartoum

TEL. +249925451234
+249115418666

EMAIL: DQTC.ENGINEERING@GMAIL.COM



DOUBLE QTC ENGINEERING



PROGRAM TITLE :

PROJECT TITLE :

Al Flasher – AHS

LOCATION :

ALFASHER

ARCHITECTURAL ENGINEER :

ENG.Designer

CHECKED BY :

ENG. AMRAN MOHAMMED OTHMAN

DRAWING TITLE :

COVER

DATE : 7/6/2022

INDEX :

000

SCALE :





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



PROGRAM TITLE :

PROJECT TITLE :

Al Flasher – AHS

LOCATION :

ALFASHER

ARCHITECTURAL ENGINEER :

ENG.Designer

CHECKED BY :

ENG. AMRAN MOHAMMED OTHMAN

DRAWING TITLE :

3d views

DATE : 7/6/2022

INDEX :

A0

SCALE :



SHEET LIST

Sheet Number	Sheet Name
A0	3d views
A00	SHEET LIST
A01	GROUND FLOOR PLAN
A02	GROUND FLOOR FURNITURE PLAN
A03	GROUND FLOOR D&W PLAN
A04	GROUND FLOOR FINISHING FLOORING
A05	FIRST FLOOR PLAN
A06	FIRST FLOOR D&W PLAN
A07	FIRST FLOOR FINISHING
A08	ROOF FLOOR
A09	ELEVATION
A10	SECTION
A11	SECTION

SHEET LIST

Sheet Number	Sheet Name
E12	GROUN FLOOR ELECTRICAL PLAN
E13	FIRST FLOOR ELECTRICAL PLAN
ST-01	MASTER FOUNDATION PLAN
ST-02	FOUNDATION PLAN
ST-03	FOUNDATION PLAN
ST-04	FOUNDATION DETAILS
ST-05	FOUNDATION DETAILS
ST-06	GRADE BEAM PLAN
ST-07	1ST FLOOR SLAB BOTTOM & TOP REINFORCEMENT
ST-08	SLAB SECTIONS
ST-09	BEAM SECTIONS
ST-10	BEAM DETAILS
ST-11	COLUMN DETAILS
ST-12	ROOF PLAN
ST-13	ROOF ELEVATION
ST-14	STAIR DETAILS



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

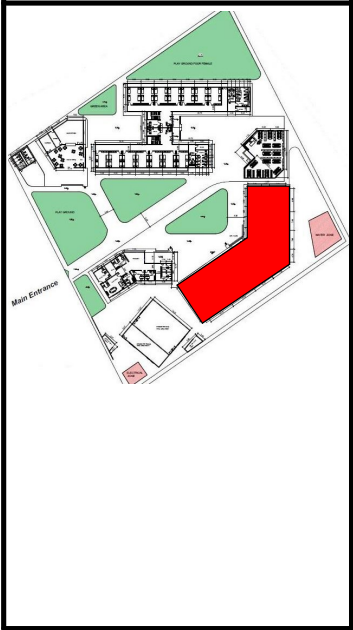
AL-Amarat Mohamed Najeeb Street, Khartoum

TEL: +249925451234
+249115418666

EMAIL: DQTC.ENGINEERING@GMAIL.COM



DOUBLE QTC ENGINEERING



PROGRAM TITLE :

PROJECT TITLE :

Al Flasher – AHS

LOCATION :

ALFASHER

ARCHITECTURAL ENGINEER :

ENG.Designer


CHECKED BY :

ENG. AMRAN MOHAMMED OTHMAN

DRAWING TITLE :

SHEET LIST

DATE: 7/6/2022

INDEX:	SCALE:	
A00		



SPACE LEGEND

- CLASSROOM4(100 PPI)
- CLASSROOM 3 (150PPI)
- COMPUTER LAB
- MEETING SPACE
- PROF.OFFICE
- SKILL LAB
- STORE
- TOLIETS

1 GROUND FLOOR PLAN

1 : 200



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



PROGRAM TITLE :

PROJECT TITLE :

Al Flasher – AHS

LOCATION :

ALFASHER

ARCHITECTURAL ENGINEER :

ENG.AYAT ALI AHMED MAHDI

CHECKED BY :

ENG. AMRAN MOHAMMED OTHMAN

DRAWING TITLE :

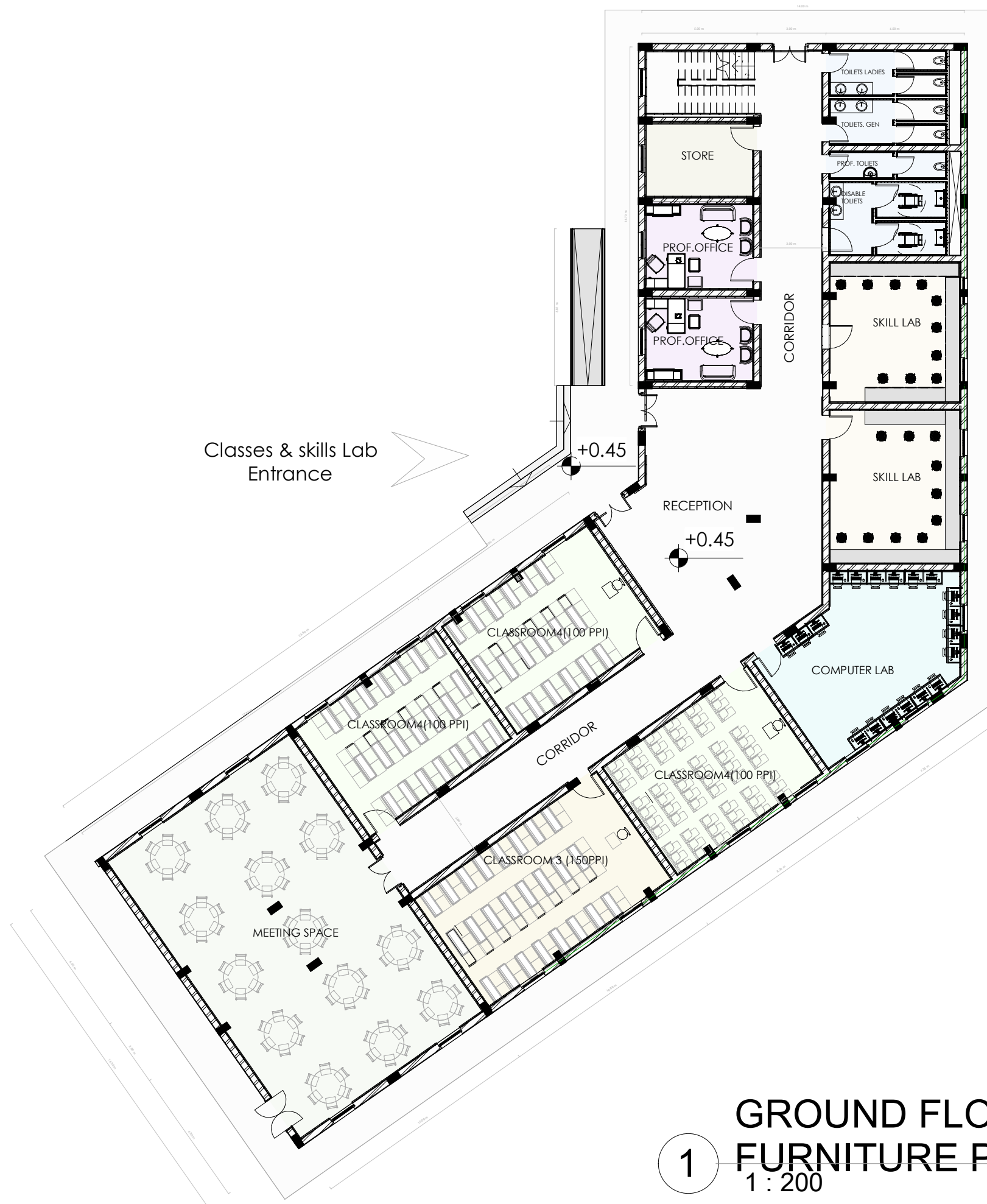
GROUND FLOOR PLAN

DATE: 7/6/2022

INDEX: SCALE:

A01 1 : 200





SPACE LEGEND

- CLASSROOM4(100 PPI)
- CLASSROOM 3 (150PPI)
- COMPUTER LAB
- MEETING SPACE
- PROF.OFFICE
- SKILL LAB
- STORE
- TOILIETS

1
GROUND FLOOR FURNITURE PLAN
 1 : 200

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 :

PROJECT TITLE :

Al Flasher – AHS

LOCATION :

ALFASHER

ARCHITECTURAL ENGINEER :

ENG.AYAT ALI AHMED MAHDI

CHECKED BY :

ENG. AMRAN MOHAMMED OTHMAN

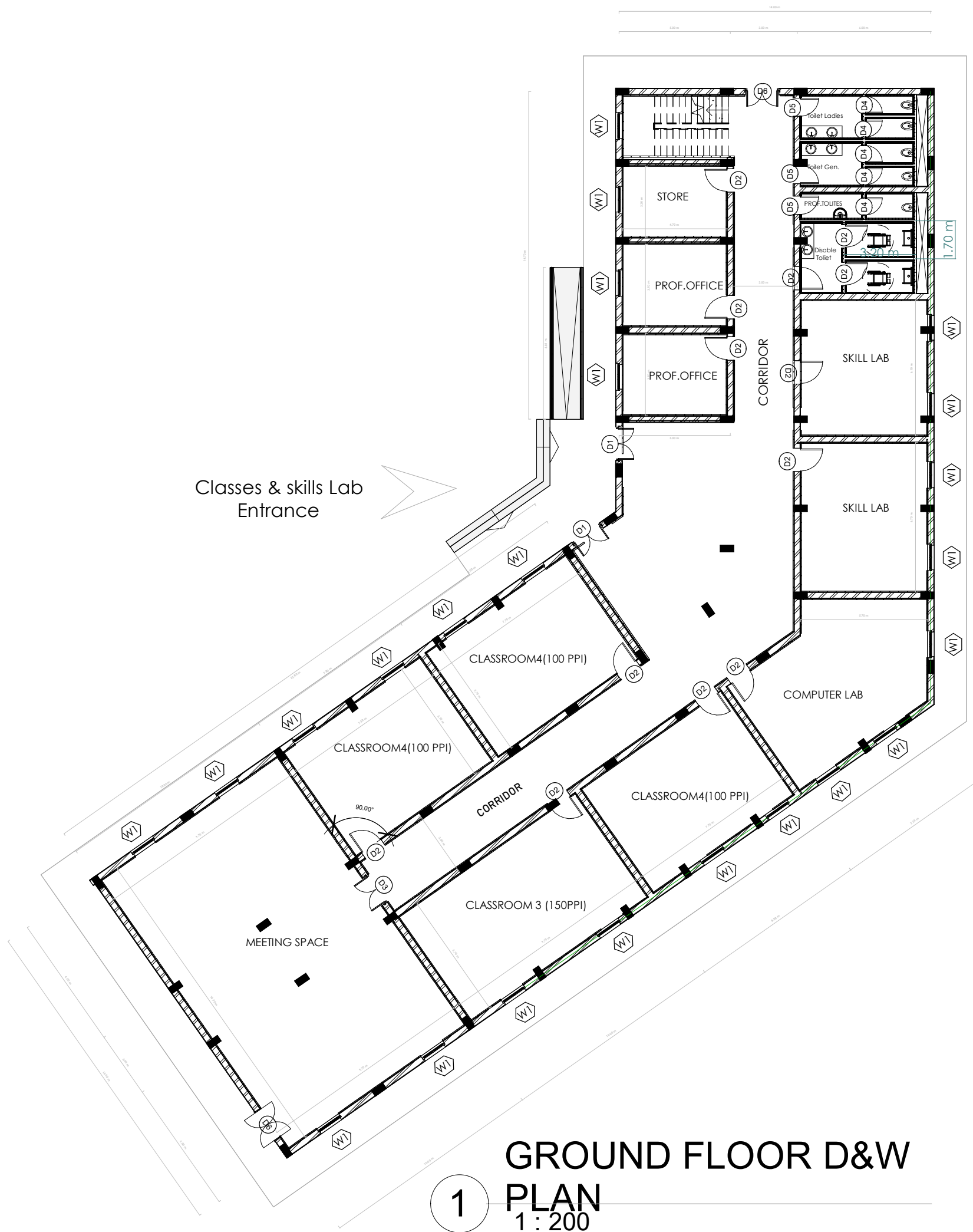
DRAWING TITLE :

GROUND FLOOR FURNITURE PLAN

DATE : 7/6/2022

INDEX : A02

SCALE : 1 : 200



WINDOWS LEGNED :

No.	Item	Hieght	Width	WINDOW PLAN	WINDOW ELEVATION
23	W1	1.20m	1.00m		
7	W2	0.60m	0.60m		

DOORS LEGNED :

No.	Item	Hieght	Width	DOOR PLAN	DOOR ELEVATION
2	D1	2.15m	1.80m		
12	D2	2.15m	1.00m		
2	D3	2.15m	2.00m		
5	D4	2.15m	0.75m		
4	D5	2.15m	0.80m		
2	D6	2.15m	1.50m		



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 :

PROJECT TITLE :

Al Flasher – AHS

LOCATION :

ALFASHER

ARCHITECTURAL ENGINEER :

ENG.AYAT ALI AHMED MAHDI

CHECKED BY :

ENG. AMRAN MOHAMMED OTHMAN

DRAWING TITLE :

GROUND FLOOR D&W PLAN

DATE: 7/6/2022

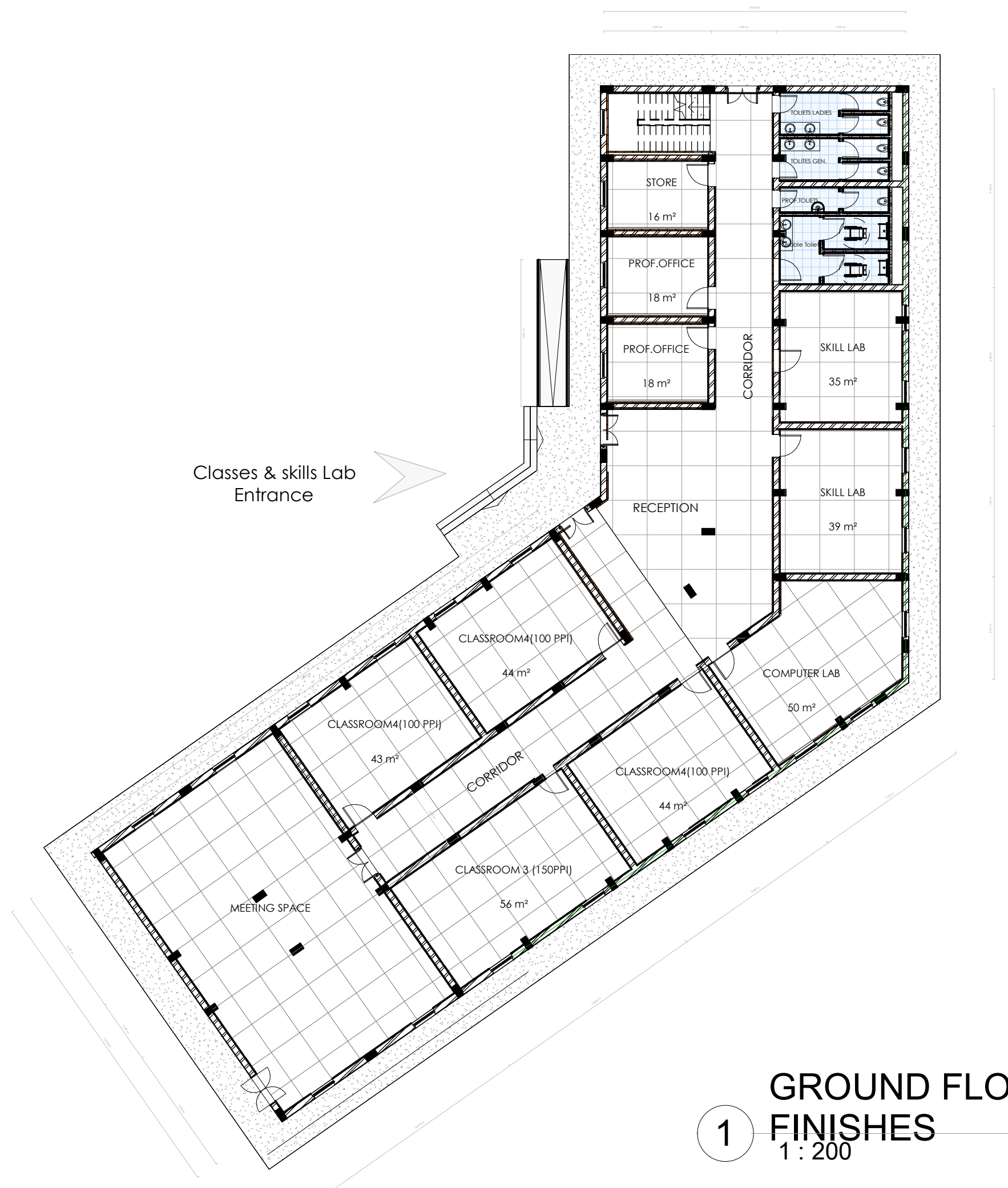
INDEX :

A03

SCALE :

1 : 200





1 GROUND FLOOR FINISHES
1 : 200

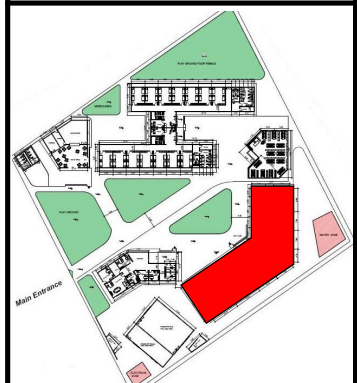


AICS-Italian Agency for Development Cooperation – SDN
13 Project St. no 33 Amarat, House no 25
Block 12 K-east Khartoum, SUDAN

AL-Amarat Mohamed Najeeb Street, Khartoum

TEL: +249925451234
+249115418666

EMAIL: DQTC.ENGINEERING@GMAIL.COM



MATERIAL Legend:

	Internal flooring(+0.45)with ceramic tiles (60x60cm)
	Internal flooring(+0.45)with ceramic tiles (40x40cm)
	Screed cement finishing
	wall ceramic tiles (20x20cm)
	SKIRTING CERAMIC FINISHING HEIGHT = 10CM

PROGRAM TITLE :

PROJECT TITLE :
Al Flasher – AHS

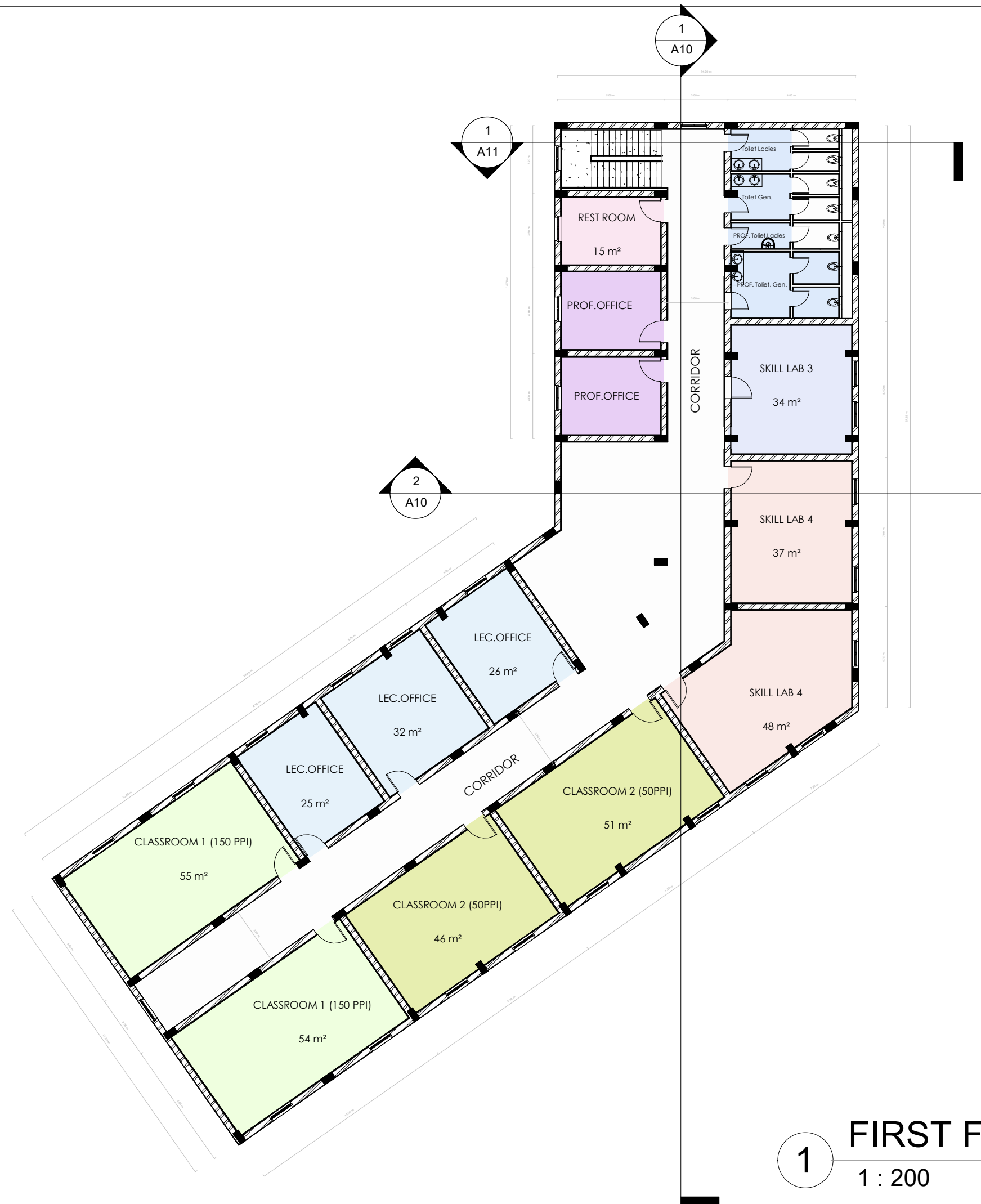
LOCATION :
ALFASHER

ARCHITECTURAL ENGINEER :
ENG. AYAT ALI AHMED MAHDI
CHECKED BY :
ENG. AMRAN MOHAMMED OTHMAN

DRAWING TITLE :
GROUND FLOOR FINISHING FLOORING

DATE : **7/6/2022**

INDEX : A04	SCALE : As indicated	
-----------------------	--------------------------------	--



SPACE LEGEND

- CLASSROOM 1 (150 PPI)
- CLASSROOM 2 (50PPI)
- LEC.OFFICE
- PROF.OFFICE
- REST ROOM
- SKILL LAB 3
- SKILL LAB 4
- TOLIETS

1 FIRST FLOOR PLAN

1 : 200



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 :

PROJECT TITLE :

Al Flasher – AHS

LOCATION :

ALFASHER

ARCHITECTURAL ENGINEER :

ENG.AYAT ALI AHMED MAHDI

CHECKED BY :

ENG. AMRAN MOHAMMED OTHMAN

DRAWING TITLE :

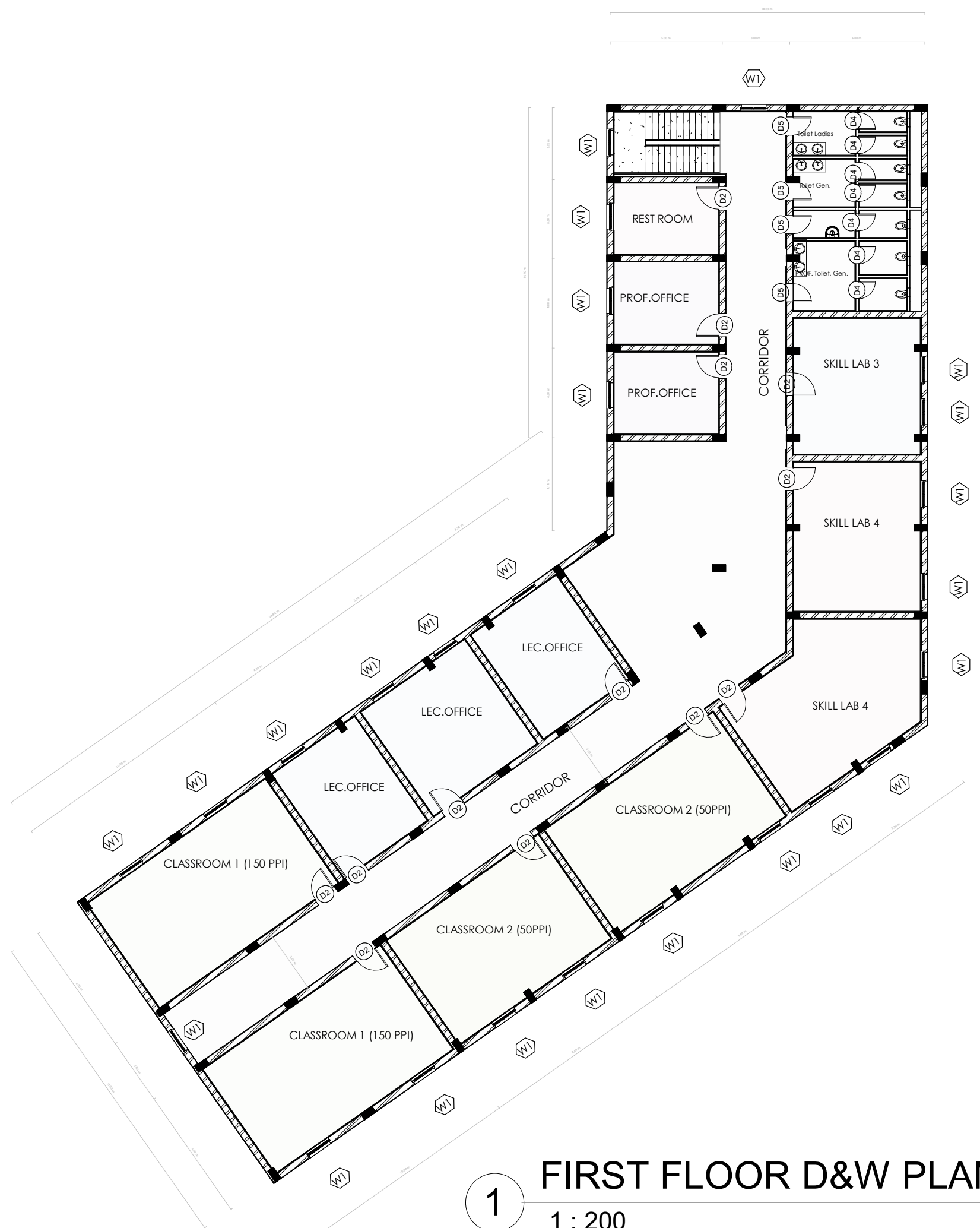
FIRST FLOOR PLAN

DATE: 7/6/2022

INDEX: A05

SCALE: 1 : 200





1 FIRST FLOOR D&W PLAN
1: 200

WINDOWS LEGNED :

No.	Item	Hieght	Width	WINDOW PLAN	WINDOW ELEVATION	
25	W1	1.20m	1.00m			
7	W2	0.60m	0.60m			

DOORS LEGNED :

No.	Item	Hieght	Width	DOOR PLAN	DOOR ELEVATION	
0	D1	2.10m	1.80m			
13	D2	2.10m	1.00m			
0	D3	2.10m	2.00m			
7	D4	2.13m	0.75m			
4	D5	2.13m	0.81m			

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 :

PROJECT TITLE :
Al Flasher – AHS

LOCATION :
ALFASHER

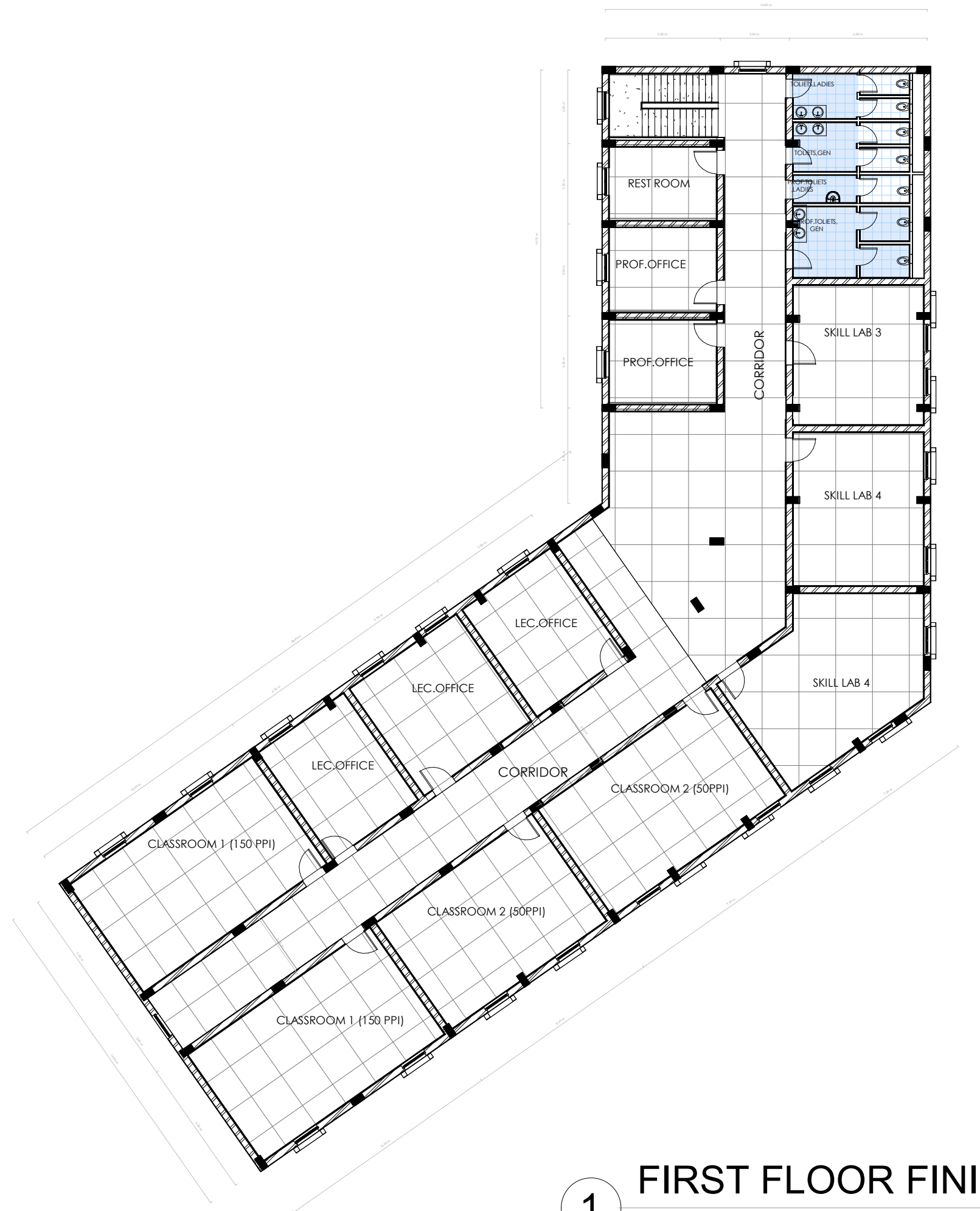
ARCHITECTURAL ENGINEER :
ENG.AYAT ALI AHMED MAHDI

CHECKED BY :
ENG. AMRAN MOHAMMED OTHMAN

DRAWING TITLE :
FIRST FLOOR D&W PLAN

DATE: 7/6/2022

INDEX : A06	SCALE : 1 : 200	
----------------	--------------------	--



1 FIRST FLOOR FINISHES
1 : 200



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

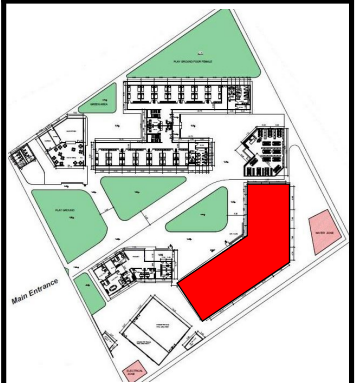
AL-Amarat Mohamed Najeeb Street, Khartoum

TEL: +249925451234
+249115418666

EMAIL: DQTC.ENGINEERING@GMAIL.COM



DOUBLE QTC ENGINEERING



MATERIAL Legend:

	Internal flooring(+0.45)with ceramic tiles (60x60cm)
	Internal flooring(+0.45)with ceramic tiles (40x40cm)
	Screed cement finishing
	wall ceramic tiles (20x20cm)
	SKIRTING CERAMIC FINISHING HEIGHT = 10CM

PROGRAM TITLE :

PROJECT TITLE :

Al Flasher – AHS

LOCATION :

ALFASHER

ARCHITECTURAL ENGINEER :

ENG.AYAT ALI AHMED MAHDI

CHECKED BY :

ENG. AMRAN MOHAMMED OTHMAN

DRAWING TITLE :

FIRST FLOOR FINISHING

DATE: 7/6/2022

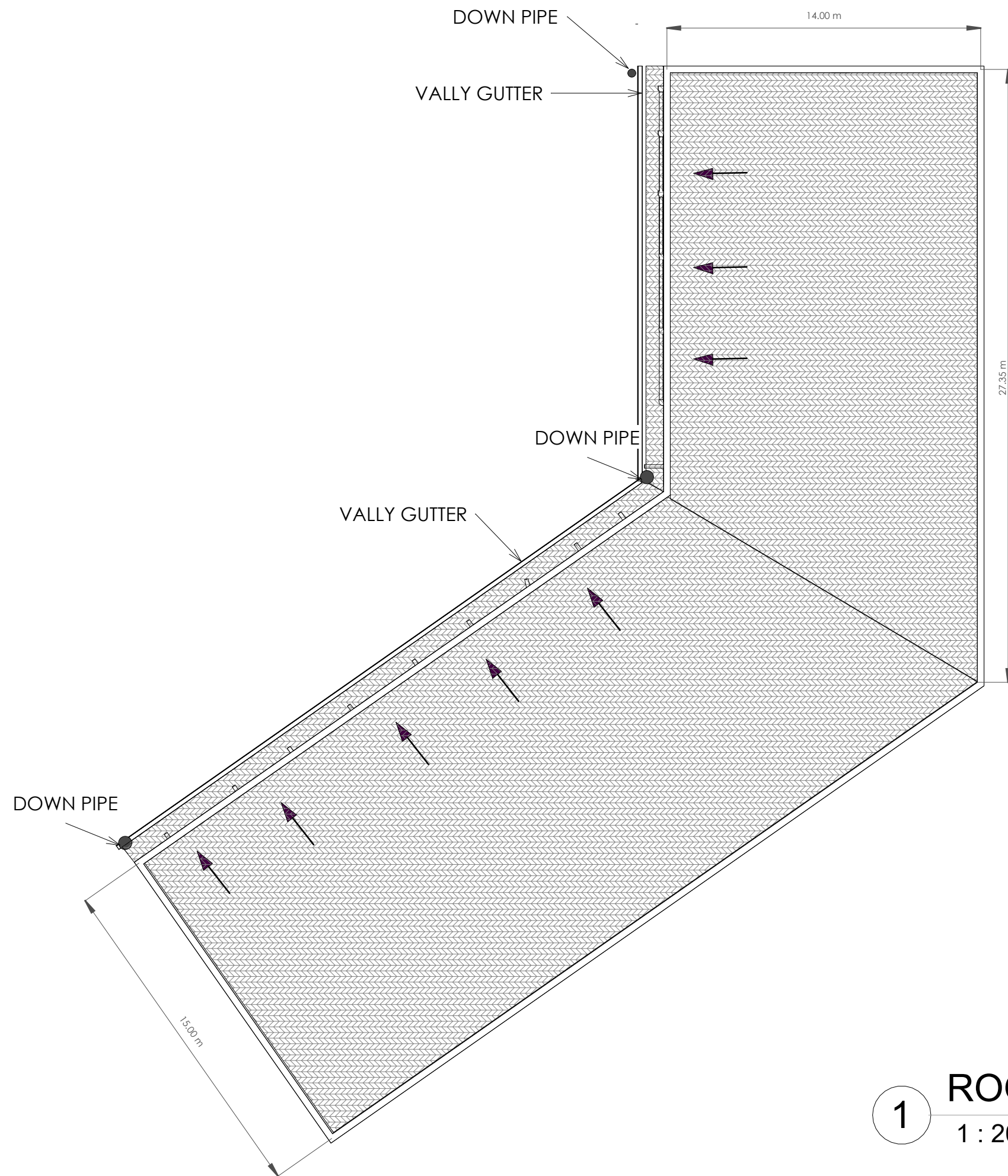
INDEX :

A07

SCALE :

As
indicated





1 **ROOF PLAN**
1 : 200



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

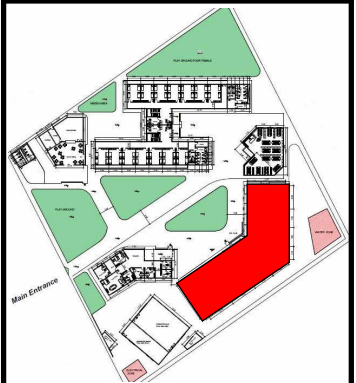
AL-Amarat Mohamed Najeeb Street, Khartoum

TEL. +249925451234
+249115418666

EMAIL: DQTC.ENGINEERING@GMAIL.COM



DOUBLE QTC ENGINEERING



PROGRAM TITLE :

PROJECT TITLE :

Al Flasher – AHS

LOCATION :

ALFASHER

ARCHITECTURAL ENGINEER :

ENG. AYAT ALI AHMED

CHECKED BY :

ENG. AMRAN MOHAMMED OTHMAN

DRAWING TITLE :

ROOF FLOOR

DATE : 7/6/2022

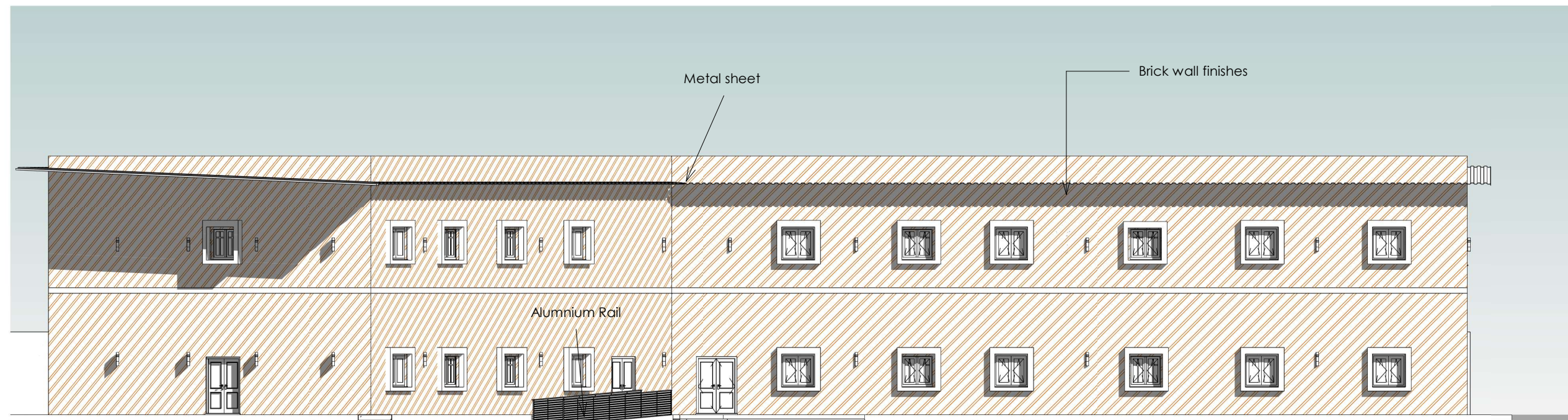
INDEX :

A108

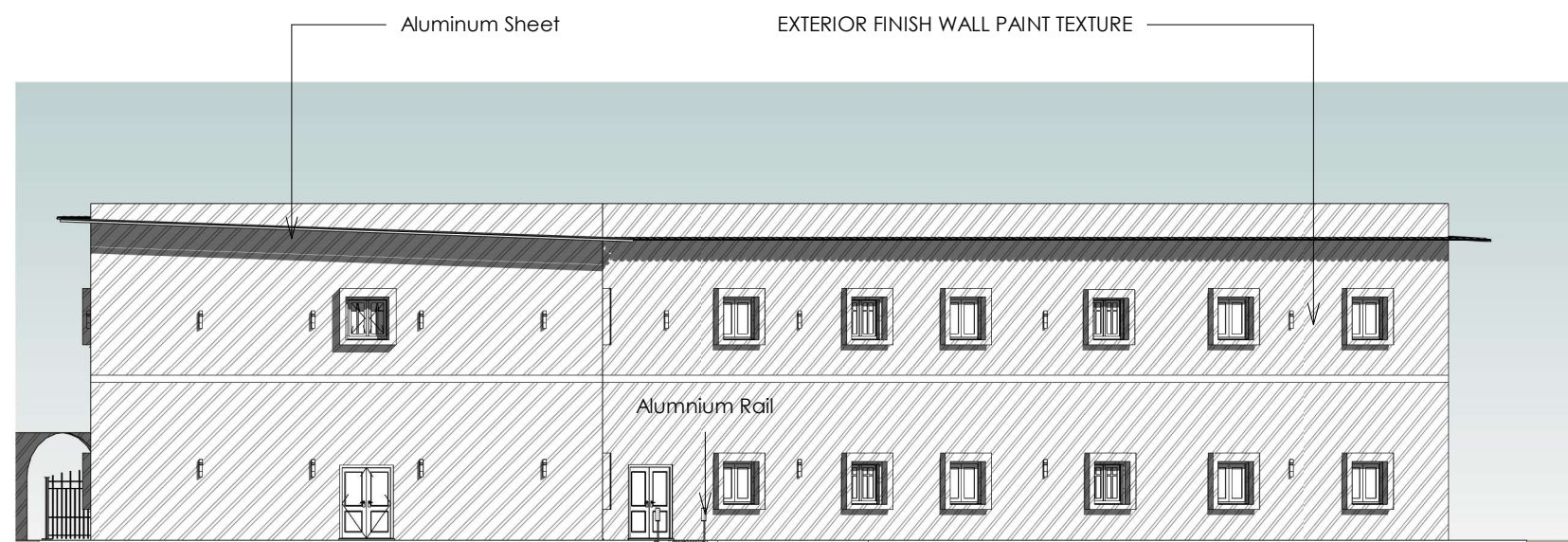
SCALE :

1 : 200





1 Main Elevation
1 : 170



2 North Elevation
1 : 200

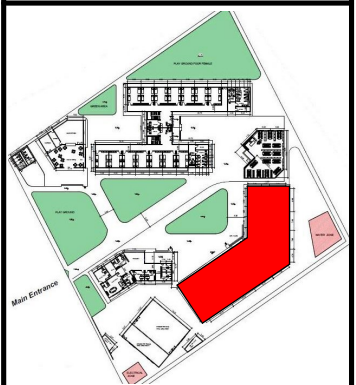


AICS-Italian Agency for Development
Cooperation – SDN
13 Project St. no 33 Amarat, House no 25
Block 12 K-east Khartoum, SUDAN

AL-Amarat Mohamed Najeeb Street, Khartoum

TEL: +249925451234
+249115418666

EMAIL: DQTC.ENGINEERING@GMAIL.COM



PROGRAM TITLE :

PROJECT TITLE :

Al Flasher – AHS

LOCATION :

ALFASHER

ARCHITECTURAL ENGINEER :

ENG.Designer

CHECKED BY :

ENG. AMRAN MOHAMMED OTHMAN

DRAWING TITLE :

ELEVATION

DATE : 7/6/2022

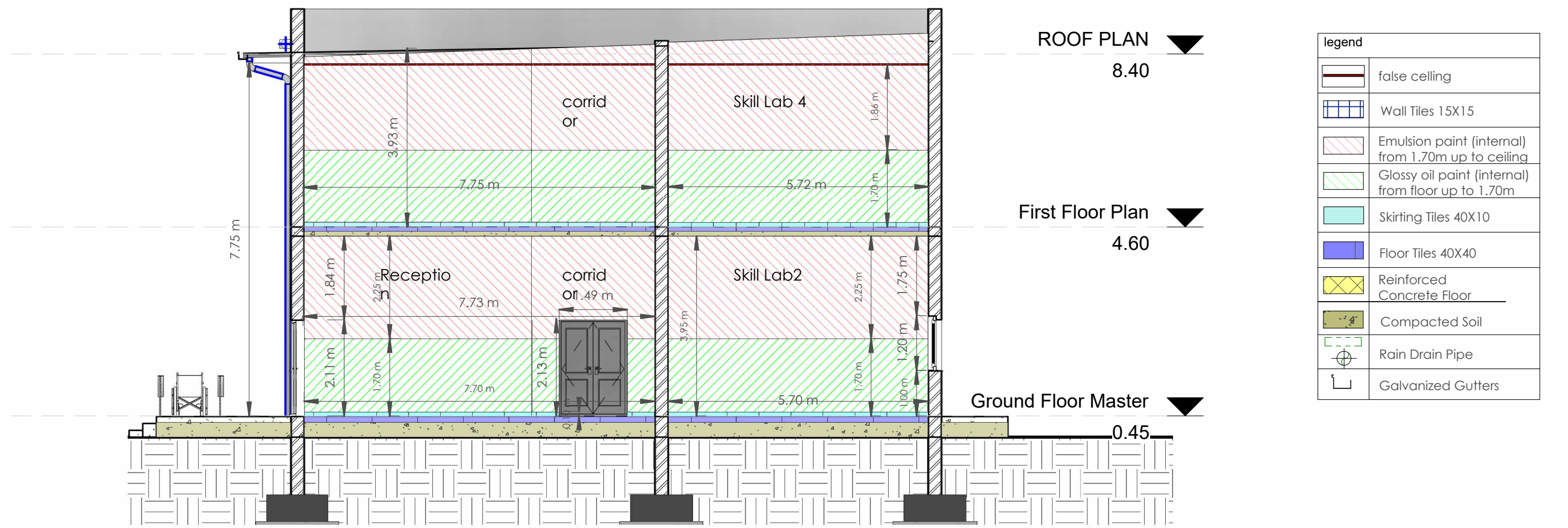
INDEX :











A09

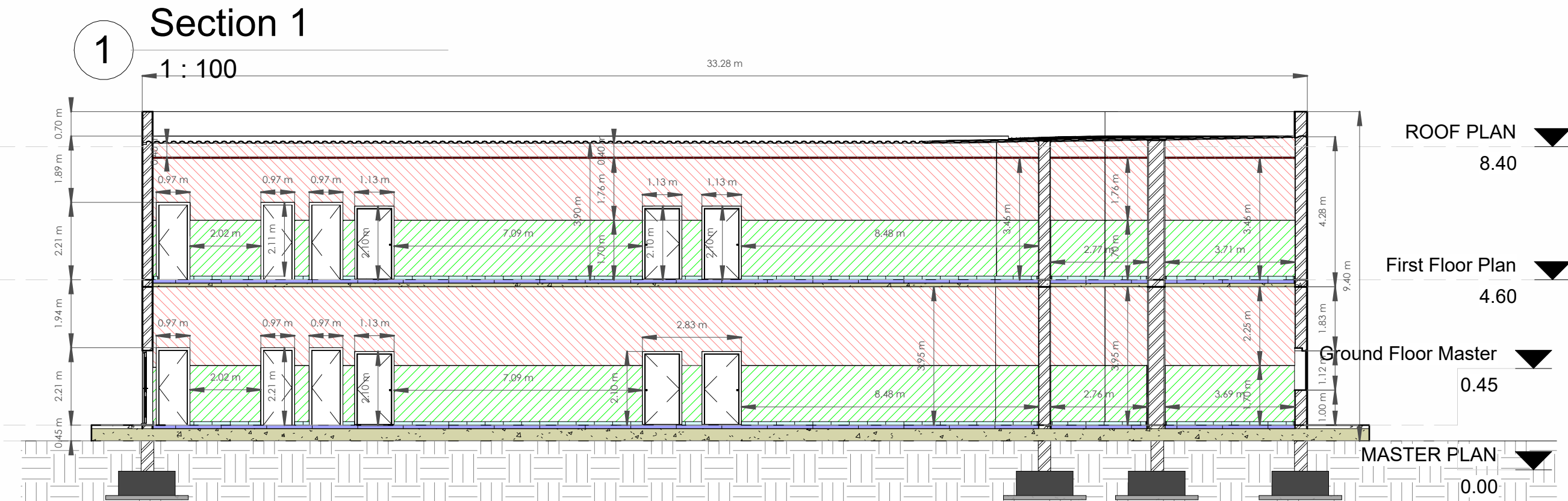
SCALE :

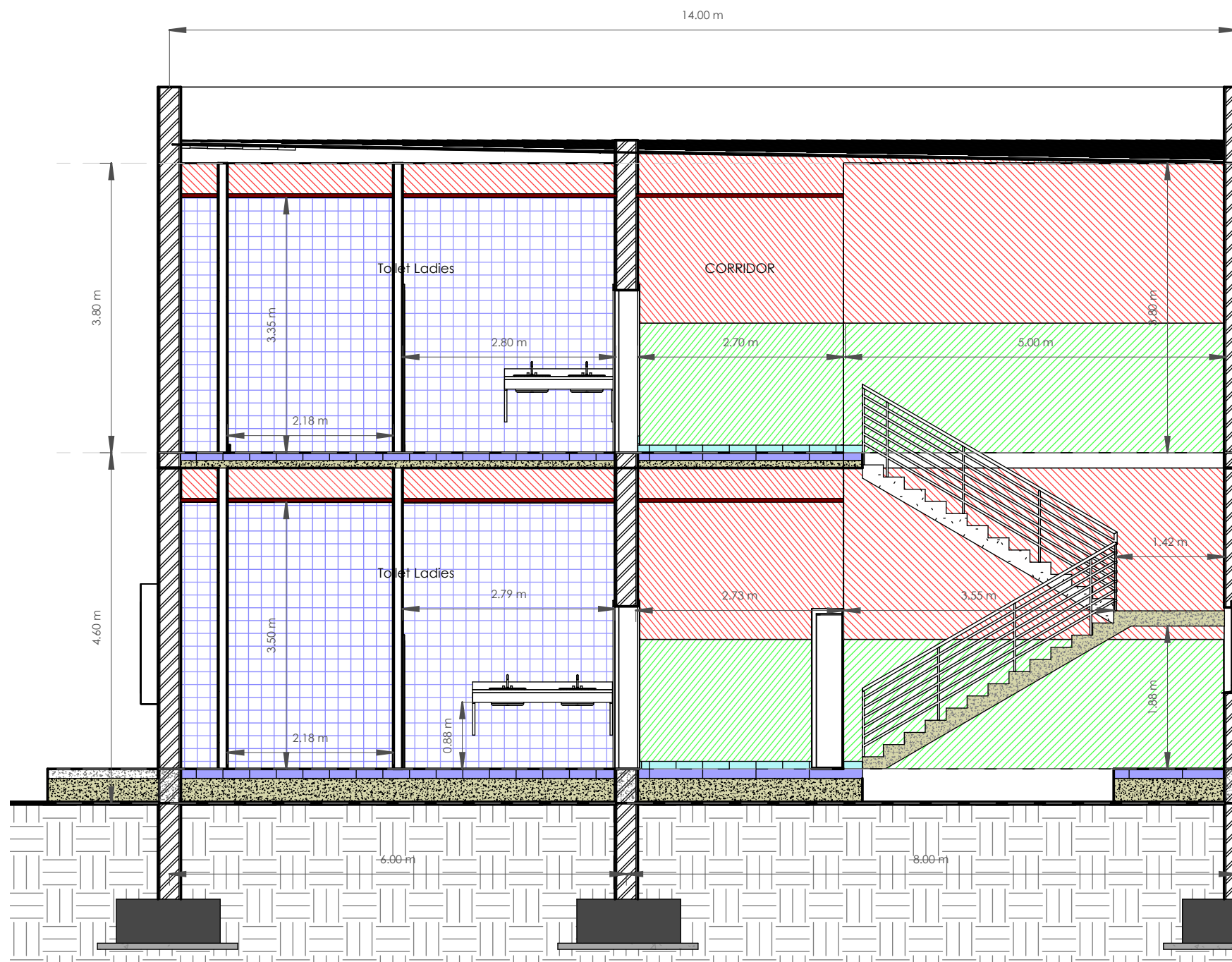
As
indicated





legend	
	false ceiling
	Wall Tiles 15X15
	Emulsion paint (internal) from 1.70m up to ceiling
	Glossy oil paint (internal) from floor up to 1.70m
	Skirting Tiles 40X10
	Floor Tiles 40X40
	Reinforced Concrete Floor
	Compacted Soil
	Rain Drain Pipe
	Galvanized Gutters





ROOF PLAN ▼
8.40

First Floor Plan ▼
4.60

Ground Floor Master ▼
0.45

MASTER PLAN ▼
0.00

1 Section 3
1 : 70

legend	
	false ceiling
	Wall Tiles 15X15
	Emulsion paint (internal) from 1.70m up to ceiling
	Glossy oil paint (internal) from floor up to 1.70m
	Skirting Tiles 40X10
	Floor Tiles 40X40
	Reinforced Concrete Floor
	Compacted Soil
	Rain Drain Pipe
	Galvanized Gutters



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

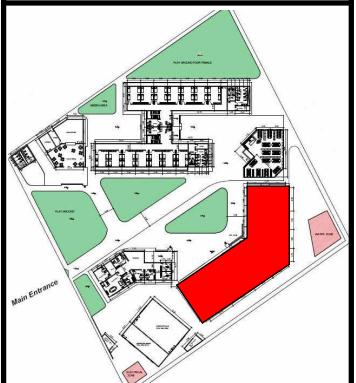
AL-Amarat Mohamed Najeeb Street, Khartoum

TEL. +249925451234
+249115418666

EMAIL: DQTC.ENGINEERING@GMAIL.COM



DOUBLE QTC ENGINEERING



PROGRAM TITLE :

PROJECT TITLE :

Al Flasher – AHS

LOCATION :

ALFASHER

ARCHITECTURAL ENGINEER :

ENG.Designer

CHECKED BY :

ENG. AMRAN MOHAMMED OTHMAN

DRAWING TITLE :

SECTION

DATE: 7/6/2022

INDEX :

A111

SCALE :

As
indicated





SYMBOL	DESCRIPTION
Main Distribution Board	
Sup Distribution Board	
Fan	
Down Light	
Spotlight	
Single Switch	
Double Switch	
3-Way Switch	
Double Socket	
Exhaust Fan	
Single Socket	
Fluorescent Wall Lamp	
Wall Lamp	
ceiling lamp (3lamp)	

1 Ground Floor Electrical Plan
1 : 200

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



PROGRAM TITLE :

PROJECT TITLE :
Al Flasher – AHS

LOCATION :
ALFASHER

ARCHITECTURAL ENGINEER :
 ENG.AYAT ALI AHMED MAHDI
 CHECKED BY :
 ENG. AMRAN MOHAMMED OTHMAN

DRAWING TITLE :
 GROUND FLOOR ELECTRICAL PLAN

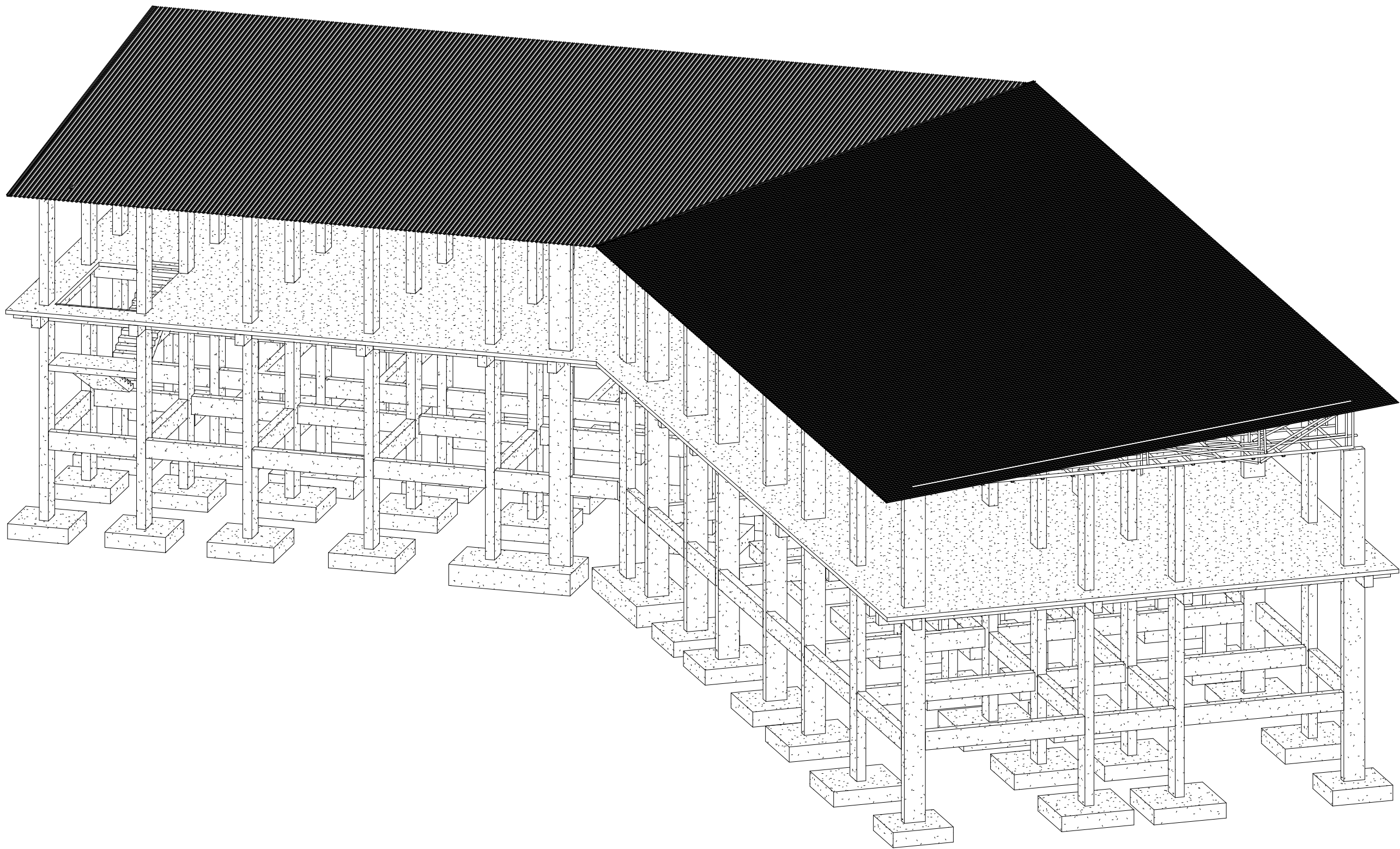
DATE : 7/6/2022
 INDEX : E12
 SCALE : As indicated



1 : 200

SYMBOL	DESCRIPTION
Main Distribution Board	
Sup Distribution Board	
Fan	
Down Light	
Spotlight	
Single Switch	
Double Switch	
3-Way Switch	
Double Socket	
Exhaust Fan	
Single Socket	
Fluorescent Wall Lamp	
Wall Lamp	
ceiling lamp (3lamp)	





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-SDN-73-01

PROJECT TITLE:

DESIGN (ASH) IN ALFASHER,
NORTH DARFUR STATE- CLASSES &
SKILL LAB

LOCATION:

ALFASHER, NORTH DARFUR STATE

STRUCTURAL ENGINEER:

ENG.MOHAMMED ANAS

CHECKED BY:

ENG. AMRAN MOHAMMED OTHMAN

DRAWING TITLE:

COVER PAGE

DATE: JULY 2022

INDEX:

00

SCALE:





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-SDN-73-01

PROJECT TITLE:
DESIGN (ASH) IN ALFASHER,
NORTH DARFUR STATE- CLASSES &
SKILL LAB

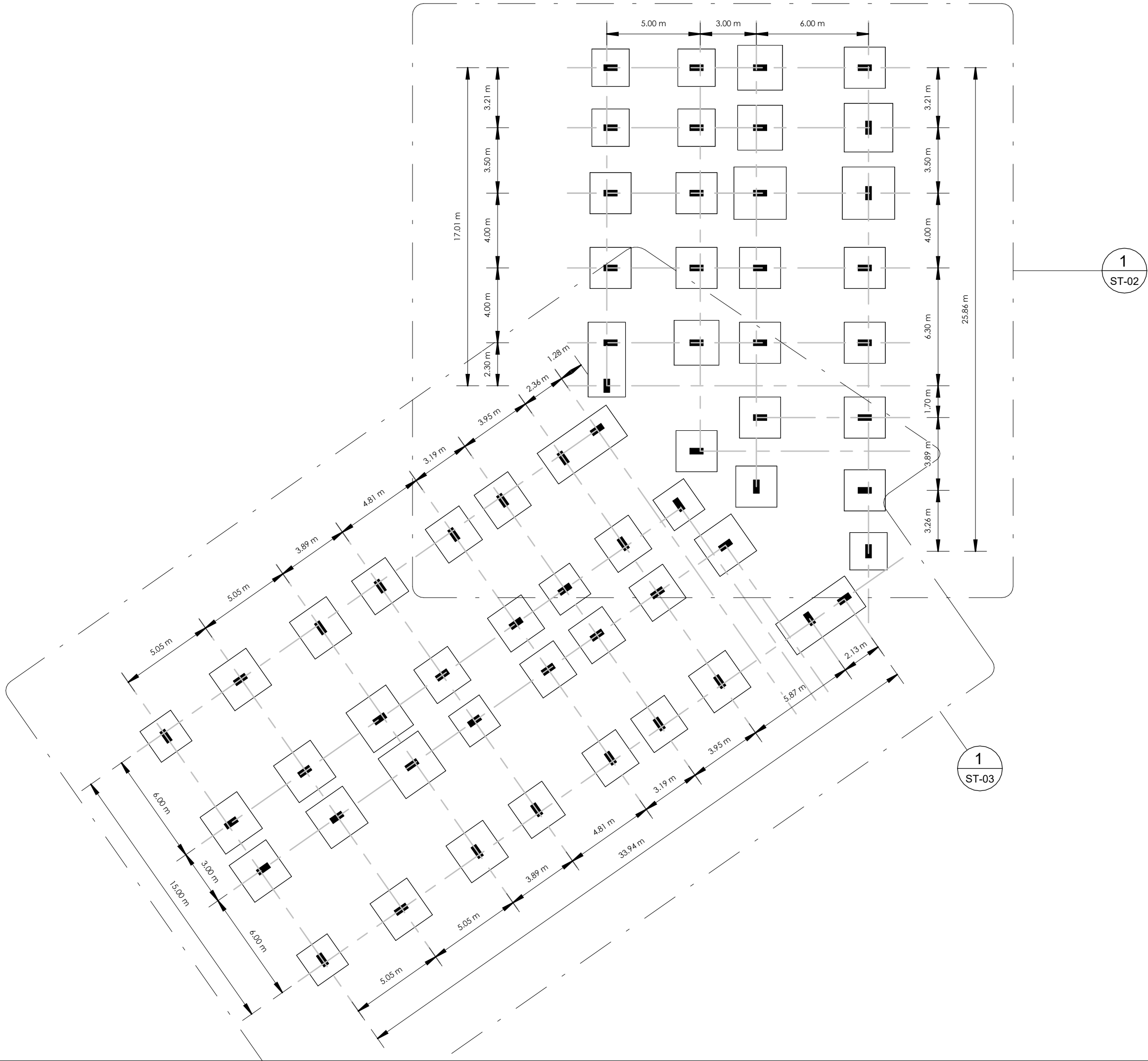
LOCATION:
ALFASHER, NORTH DARFUR STATE

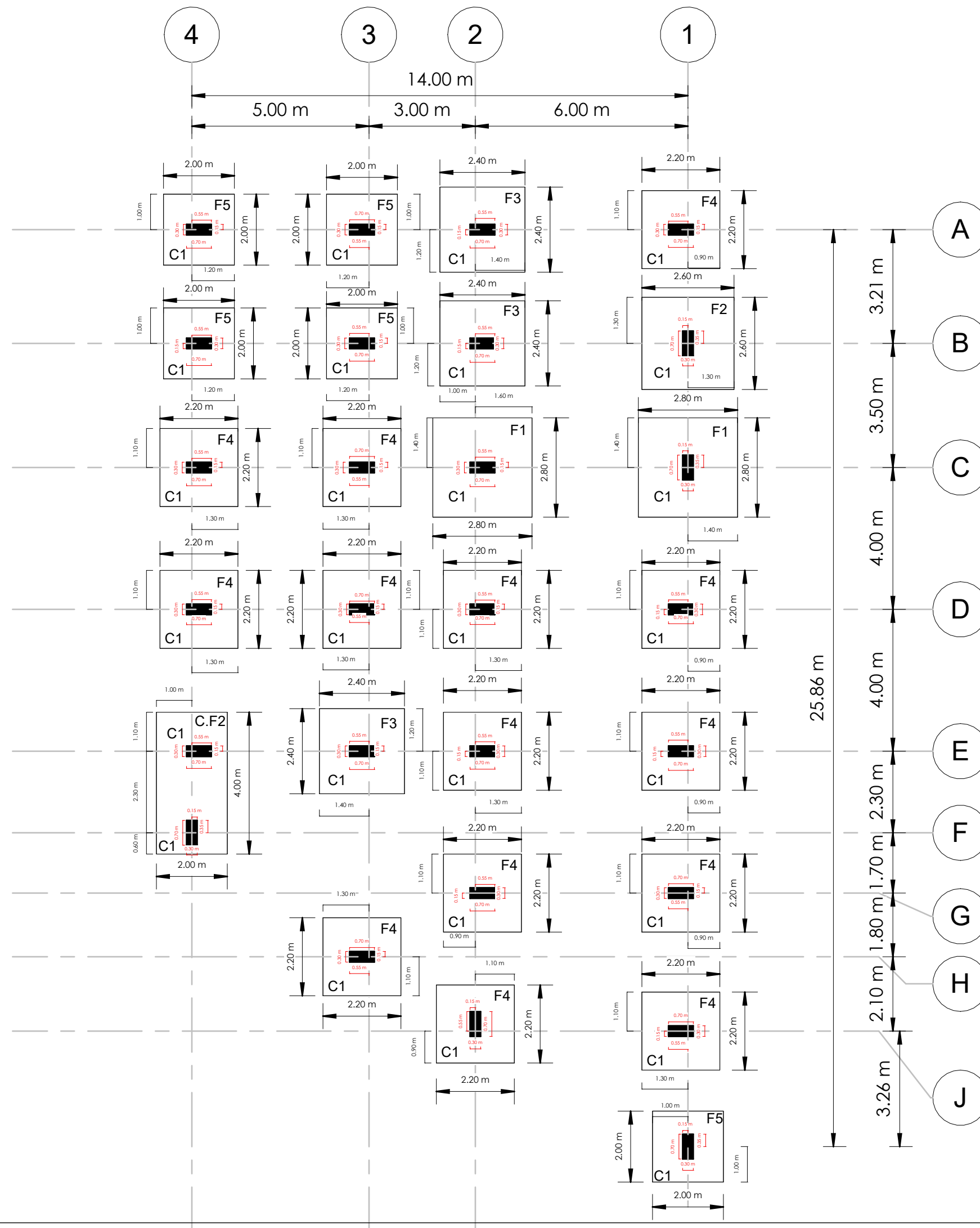
STRUCTURAL ENGINEER:
ENG.MOHAMMED ANAS
CHECKED BY:
ENG. AMRAN MOHAMMED OTHMAN

DRAWING TITLE:
MASTER FOUNDATION PLAN

DATE: JULY 2022

INDEX: ST-01	SCALE: 1 : 200	
-----------------	-------------------	--





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-SDN-73-01

PROJECT TITLE:

DESIGN (ASH) IN ALFASHER,
NORTH DARFUR STATE- CLASSES &
SKILL LAB

LOCATION:

ALFASHER, NORTH DARFUR STATE

STRUCTURAL ENGINEER:

ENG. MOHAMMED ANAS

CHECKED BY:

ENG. AMRAN MOHAMMED OTHMAN

DRAWING TITLE:

FOUNDATION PLAN

DATE: JULY 2022

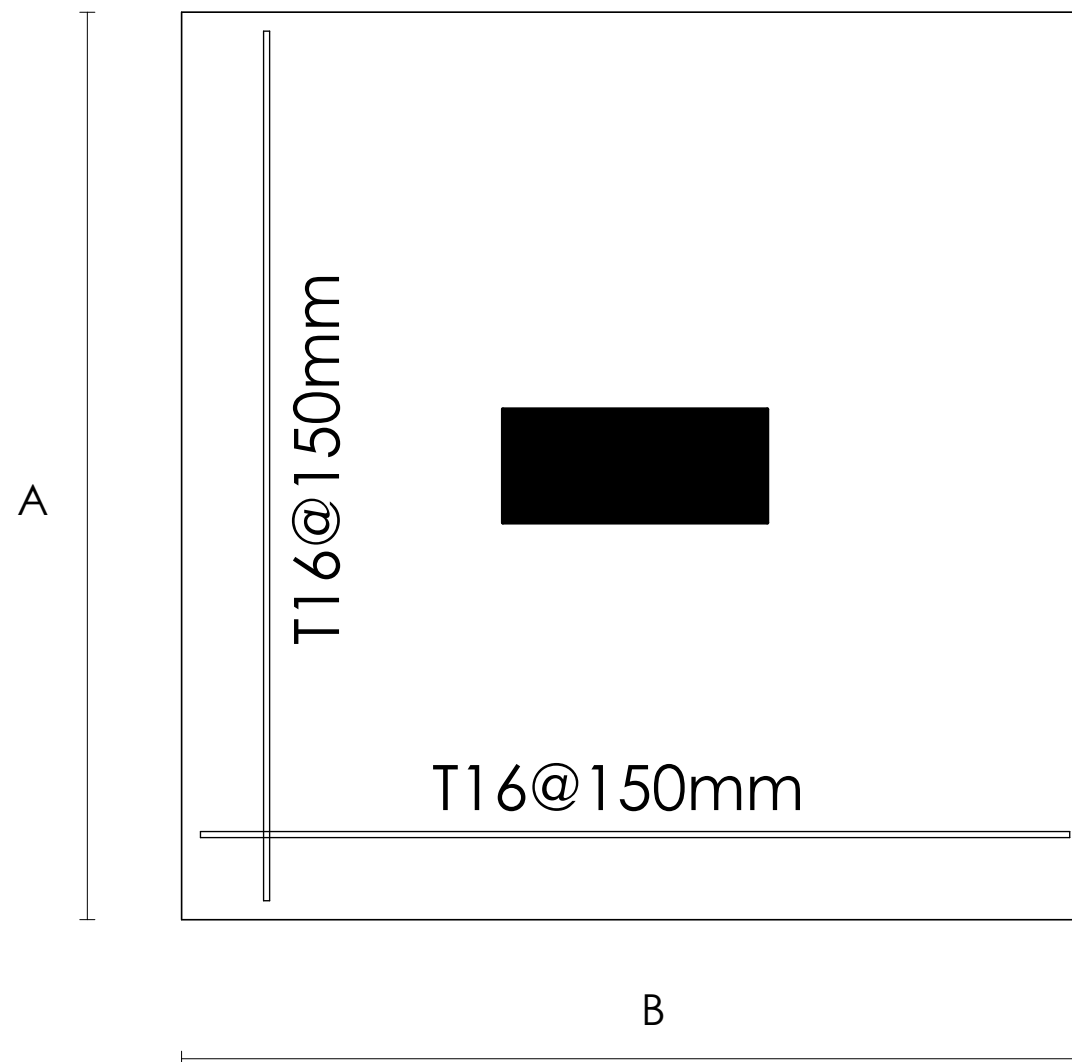
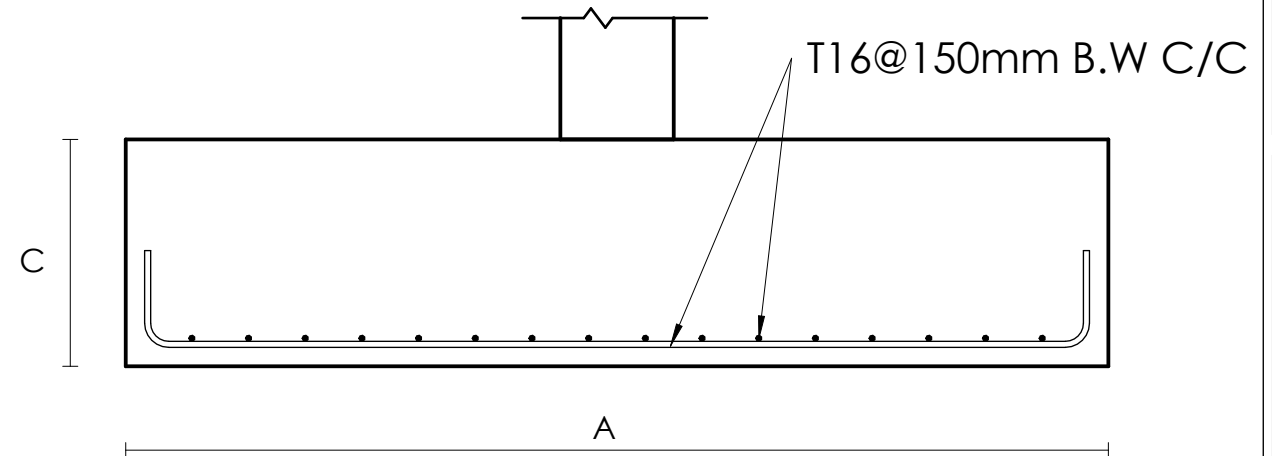
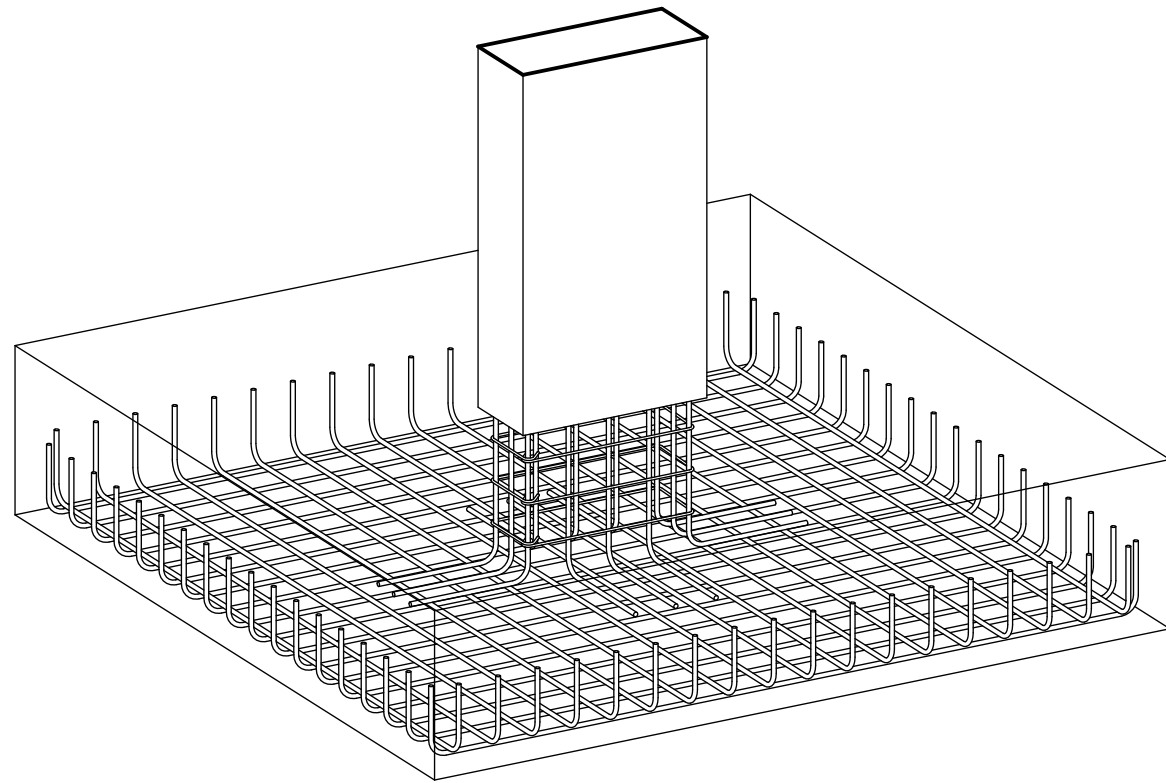
INDEX:

ST-02

SCALE:

1 : 120





Isolated Foundation Schedule

Type	A	B	C	BOTTOM REONFORCEMENT
F1	2.80 m	2.80 m	0.60 m	T16@150mm B.W
F2	2.60 m	2.60 m	0.60 m	T16@150mm B.W
F3	2.40 m	2.40 m	0.50 m	T16@150mm B.W
F4	2.20 m	2.20 m	0.50 m	T16@150mm B.W
F5	2.00 m	2.00 m	0.50 m	T16@150mm B.W



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



PROGRAM TITLE:

T05-EUTF-HOA-SDN-73-01

PROJECT TITLE:

DESIGN (ASH) IN ALFASHER,
NORTH DARFUR STATE- CLASSES &
SKILL LAB

LOCATION:

ALFASHER, NORTH DARFUR STATE

STRUCTURAL ENGINEER:

ENG.MOHAMMED ANAS

CHECKED BY:

ENG. AMRAN MOHAMMED OTHMAN

DRAWING TITLE:

FOUNDATION DETAILS

DATE: JULY 2022

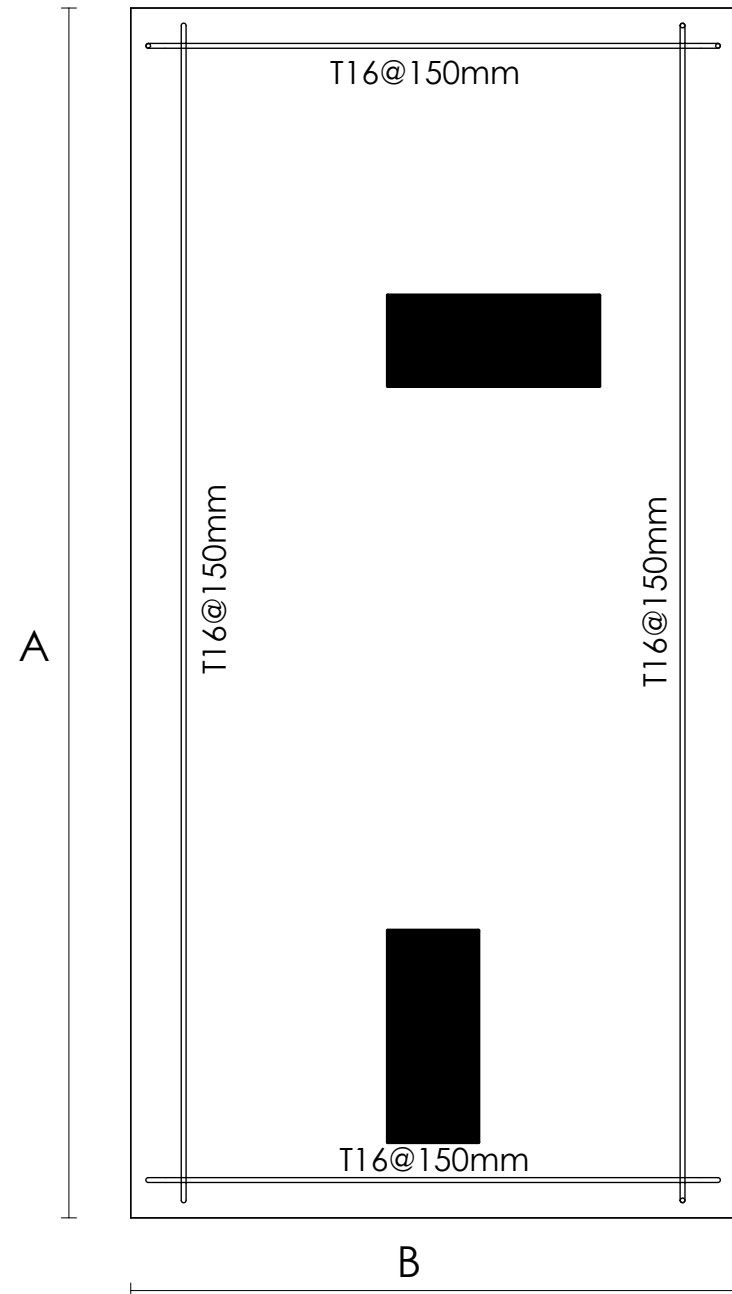
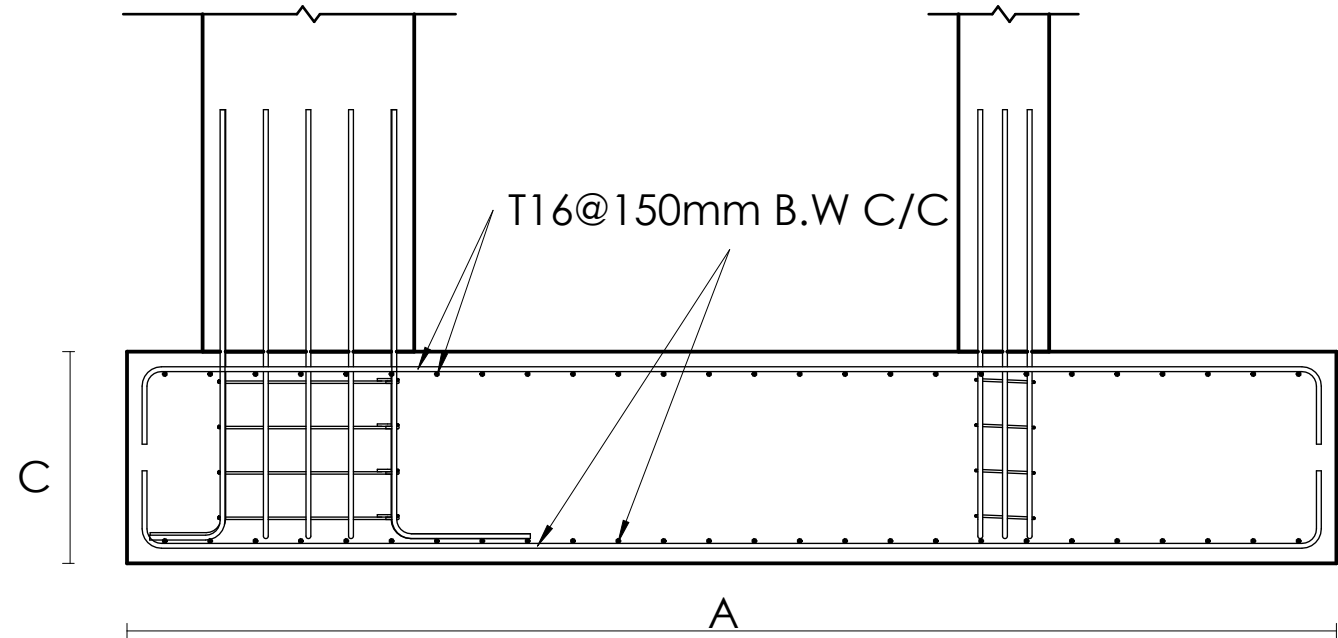
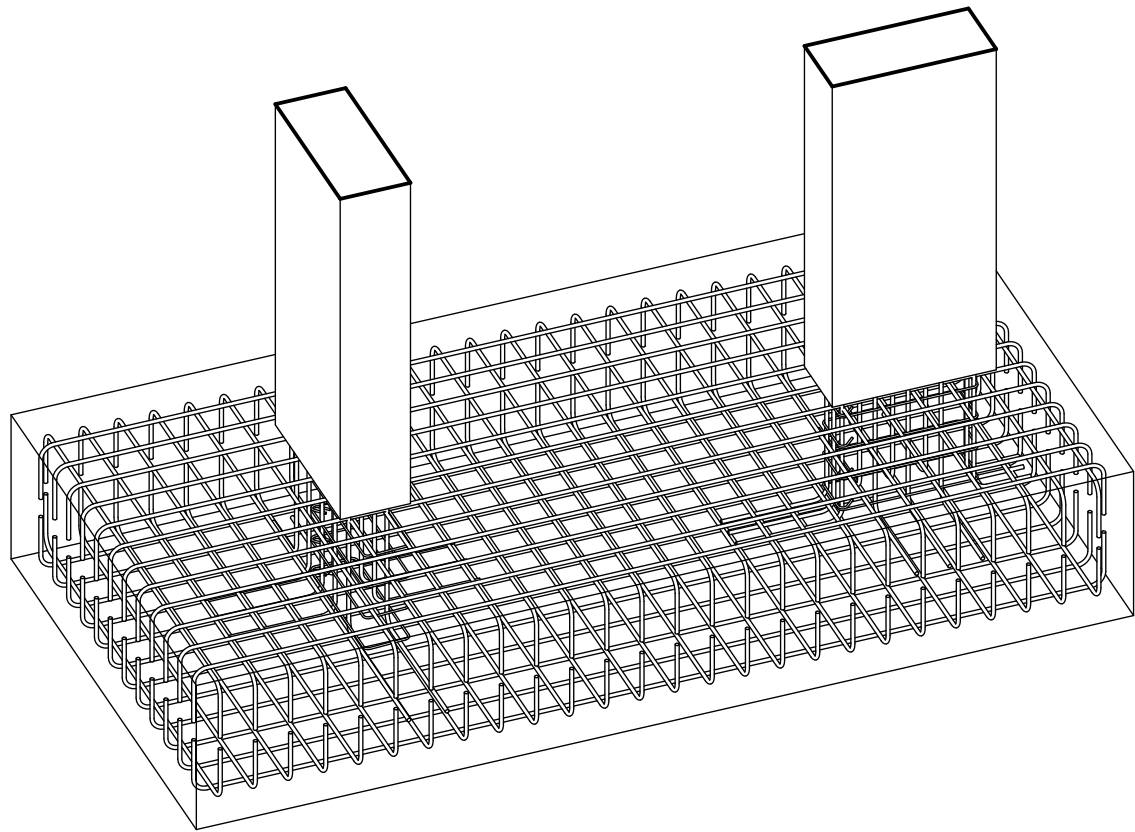
INDEX:

ST-04

SCALE:

1 : 20





Structural Foundation Schedule					
Type	A	B	C	BOTTOM REONFORCEMENT	TOP REINFORCEMENT
C.F1	4.50 m	2.00 m	0.70 m	T16@150mm B.W	T16@150mm B.W
C.F2	4.00 m	2.00 m	0.70 m	T16@150mm B.W	T16@150mm B.W



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-SDN-73-01

PROJECT TITLE:

DESIGN (ASH) IN ALFASHER,
NORTH DARFUR STATE- CLASSES &
SKILL LAB

LOCATION:

ALFASHER, NORTH DARFUR STATE

STRUCTURAL ENGINEER:

ENG.MOHAMMED ANAS

CHECKED BY:

ENG. AMRAN MOHAMMED OTHMAN

DRAWING TITLE:

FOUNDATION DETAILS

DATE: JULY 2022

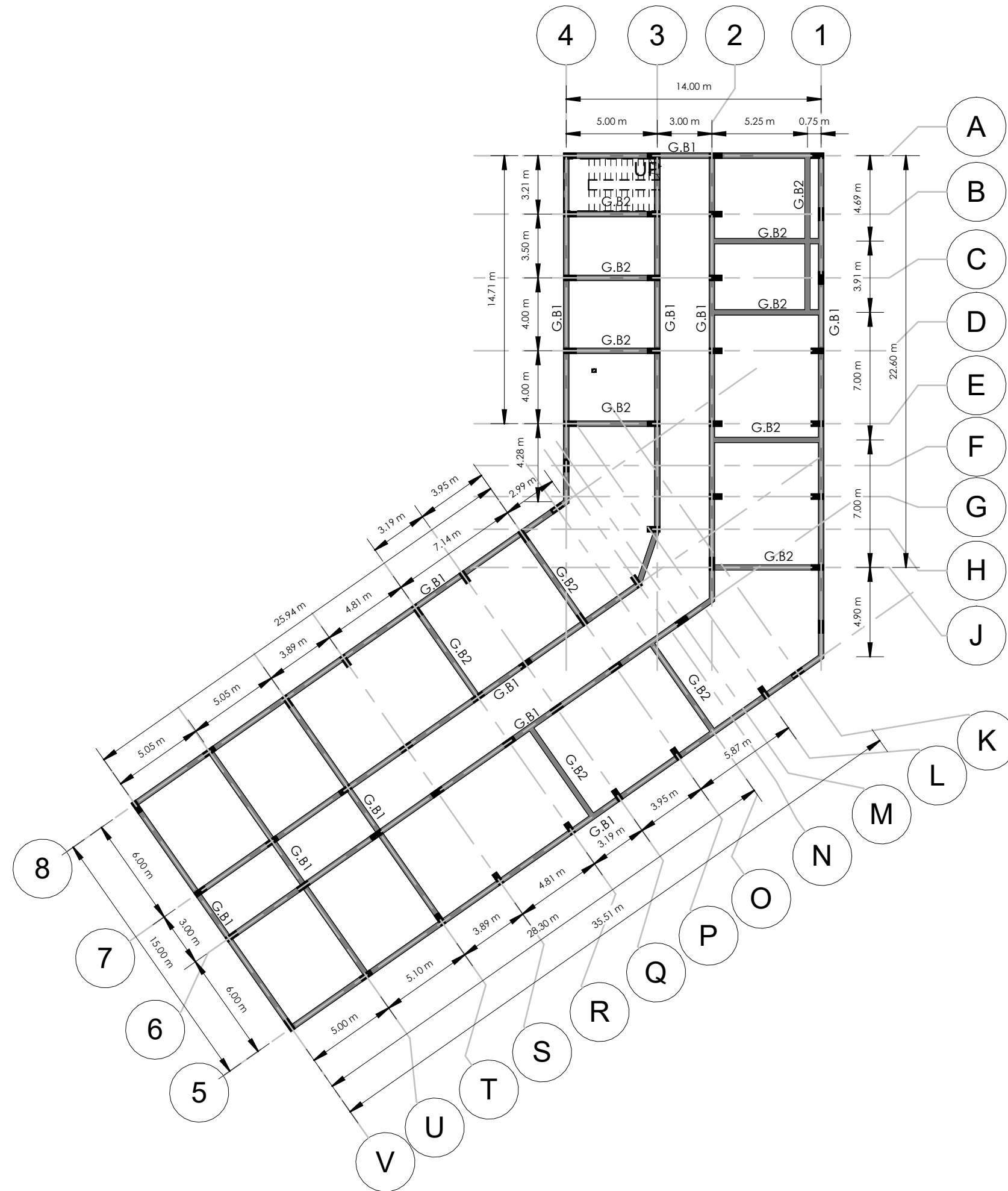
INDEX:

ST-05

SCALE:

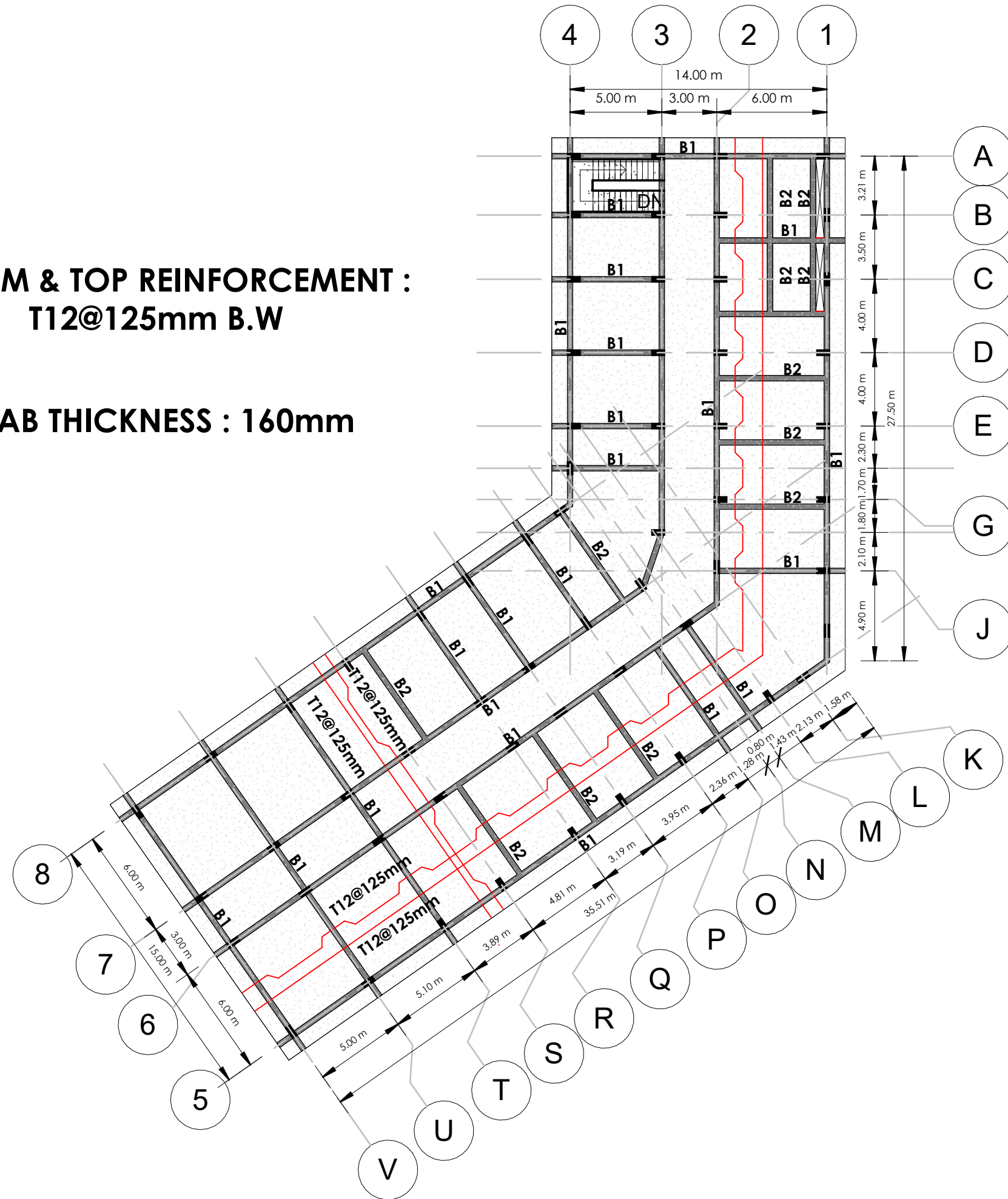
1 : 25





**BOTTOM & TOP REINFORCEMENT :
T12@125mm B.W**

SLAB THICKNESS : 160mm



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



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

PROJECT TITLE:
DESIGN (ASH) IN ALFASHER,
NORTH DARFUR STATE- CLASSES &
SKILL LAB

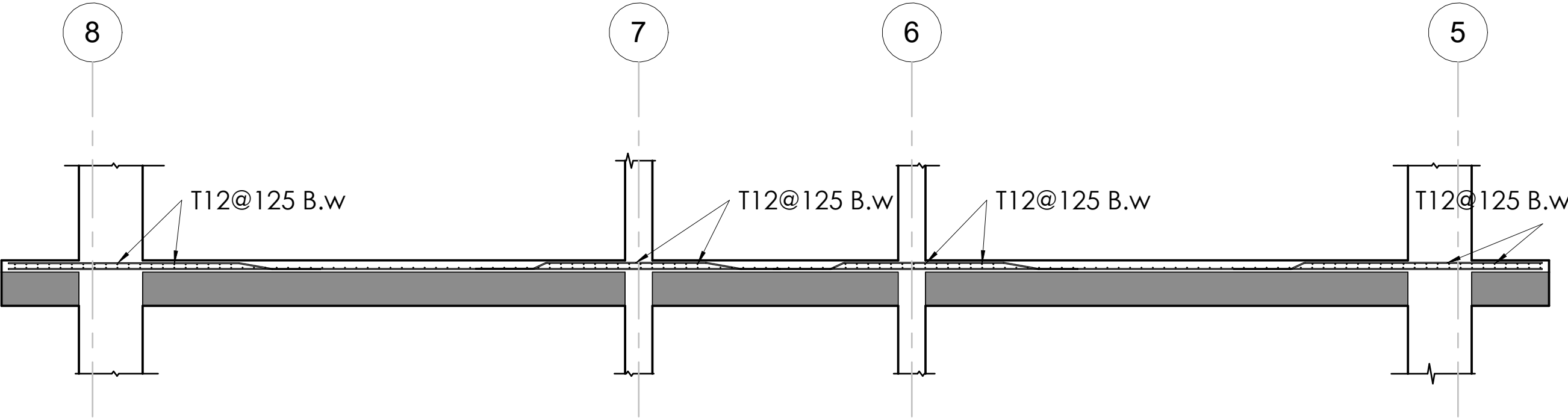
LOCATION:
ALFASHER, NORTH DARFUR STATE

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

DRAWING TITLE:
1ST FLOOR SLAB BOTTOM & TOP
REINFORCEMENT

DATE: JULY 2022
INDEX: ST-07
SCALE: 1 : 250

SLAB CROSS SECTION



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



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

PROJECT TITLE:
DESIGN (ASH) IN ALFASHER,
NORTH DARFUR STATE- CLASSES &
SKILL LAB

LOCATION:
ALFASHER, NORTH DARFUR STATE

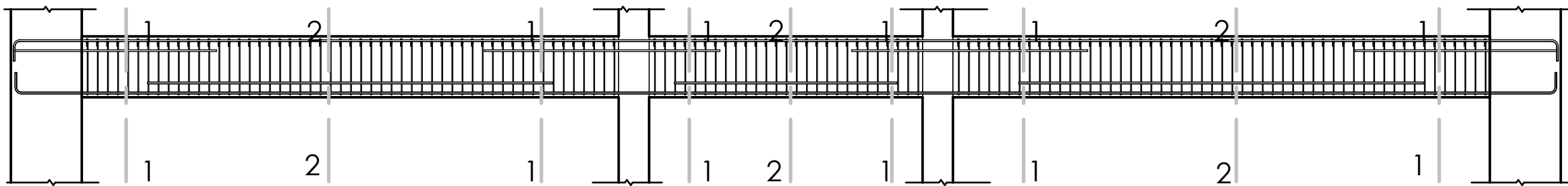
STRUCTURAL ENGINEER:
ENG.MOHAMMED ANAS
CHECKED BY:
ENG. AMRAN MOHAMMED OTHMAN

DRAWING TITLE:
SLAB SECTIONS

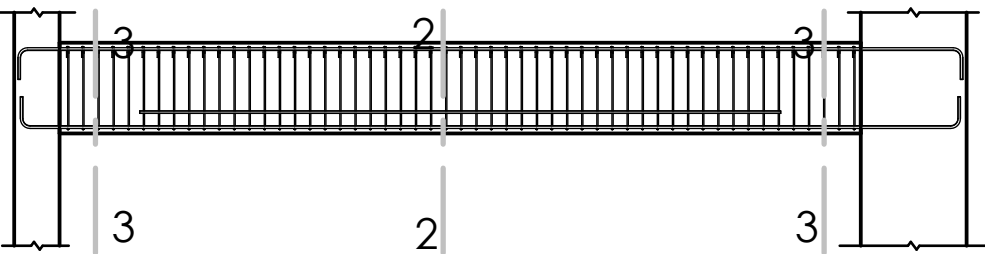
DATE: JULY 2022

INDEX: ST-08	SCALE: 1 : 50	
-----------------	------------------	--

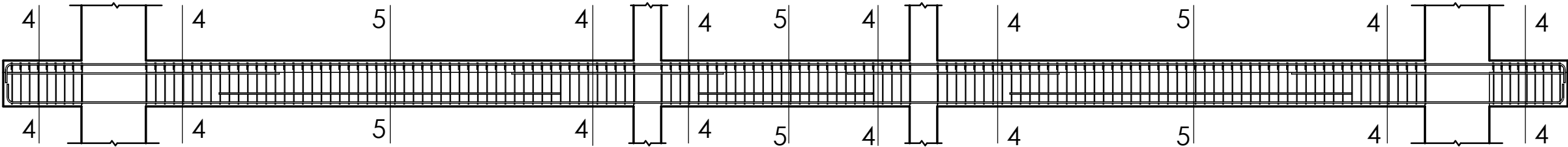
G.B1



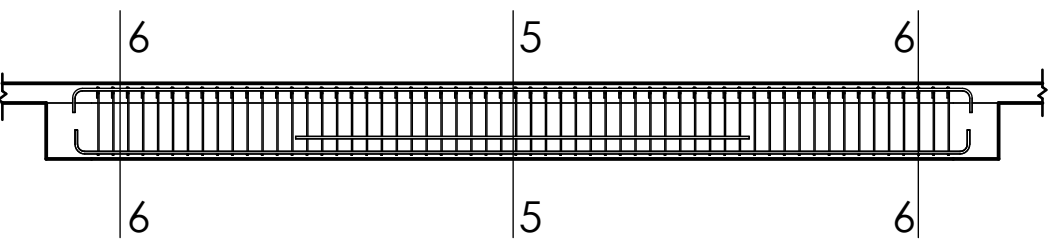
G.B2



B1



B2



B2 SECTION

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



PROGRAM TITLE:

T05-EUTF-HOA-SDN-73-01

PROJECT TITLE:

DESIGN (ASH) IN ALFASHER,
NORTH DARFUR STATE- CLASSES &
SKILL LAB

LOCATION:

ALFASHER, NORTH DARFUR STATE

STRUCTURAL ENGINEER:

ENG.MOHAMMED ANAS


CHECKED BY:

ENG. AMRAN MOHAMMED OTHMAN

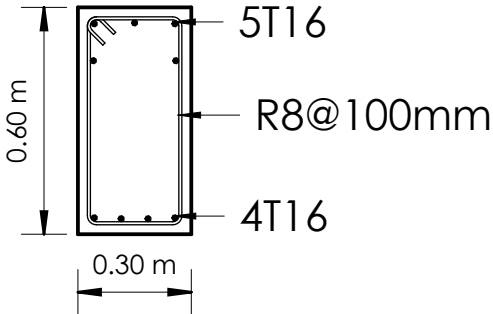
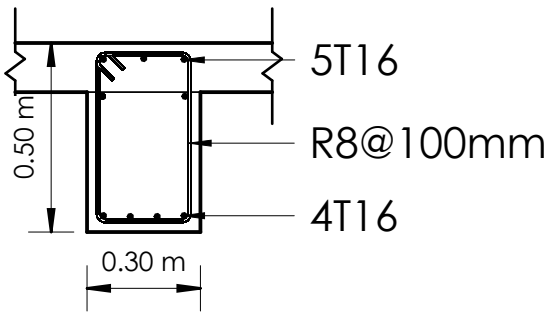
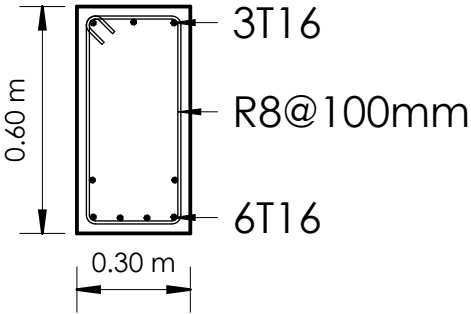
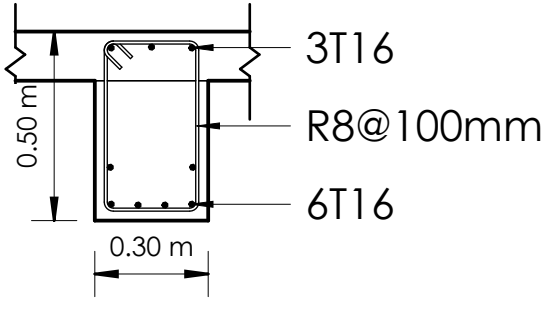
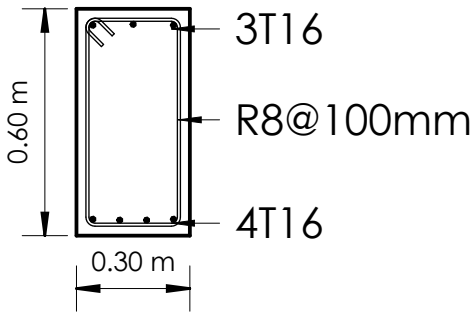
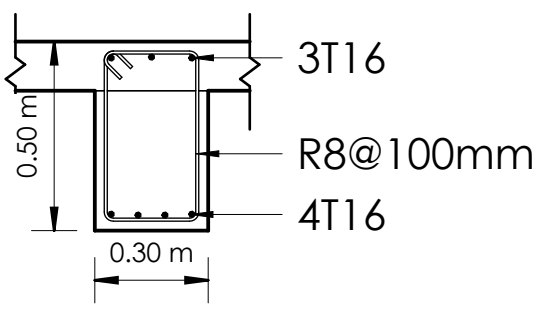
DRAWING TITLE:

BEAM SECTIONS

DATE: JULY 2022

INDEX:	SCALE:	
ST-09	1 : 50	

BEAM DETAILS

SECTION NAME	SECTION DETAILS	SECTION NAME	SECTION DETAILS
SECTION 1-1		SECTION 4-4	
SECTION 2-2		SECTION 5-5	
SECTION 3-3		SECTION 6-6	




AGENZIA ITALIANA
PER LA COOPERAZIONE
ALLO SVILUPPO

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-SDN-73-01

PROJECT TITLE:

DESIGN (ASH) IN ALFASHER,
NORTH DARFUR STATE- CLASSES &
SKILL LAB

LOCATION:

ALFASHER, NORTH DARFUR STATE

STRUCTURAL ENGINEER:

ENG.MOHAMMED ANAS


CHECKED BY:

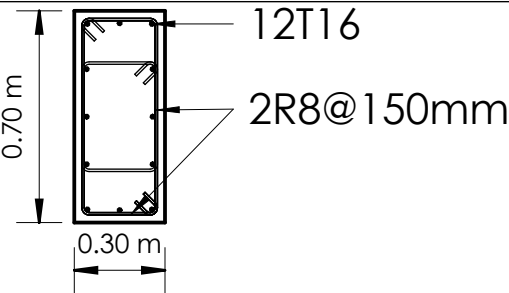
ENG. AMRAN MOHAMMED OTHMAN

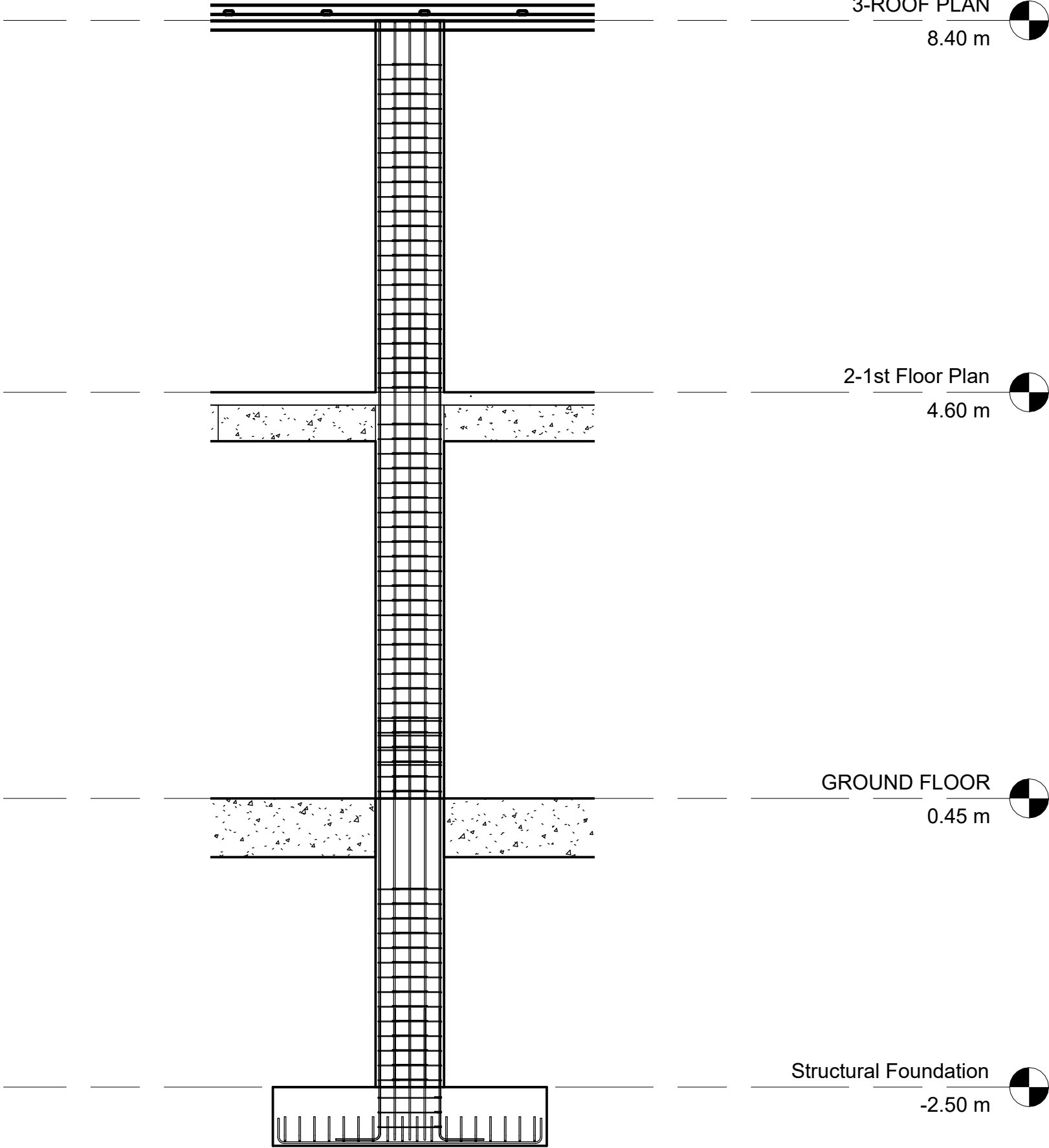
DRAWING TITLE:

BEAM DETAILS

DATE: JULY 2022

INDEX:	SCALE:	
ST-10	1 : 20	

STORIES	COLUMN DETAIL
SHORT COLUMN	
G.FLOOR COLUMN	
1S FLOOR COLUMN	







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-SDN-73-01

PROJECT TITLE:

DESIGN (ASH) IN ALFASHER,
NORTH DARFUR STATE- CLASSES &
SKILL LAB

LOCATION:

ALFASHER, NORTH DARFUR STATE

STRUCTURAL ENGINEER:

ENG.MOHAMMED ANAS

CHECKED BY:

ENG. AMRAN MOHAMMED OTHMAN


DRAWING TITLE:

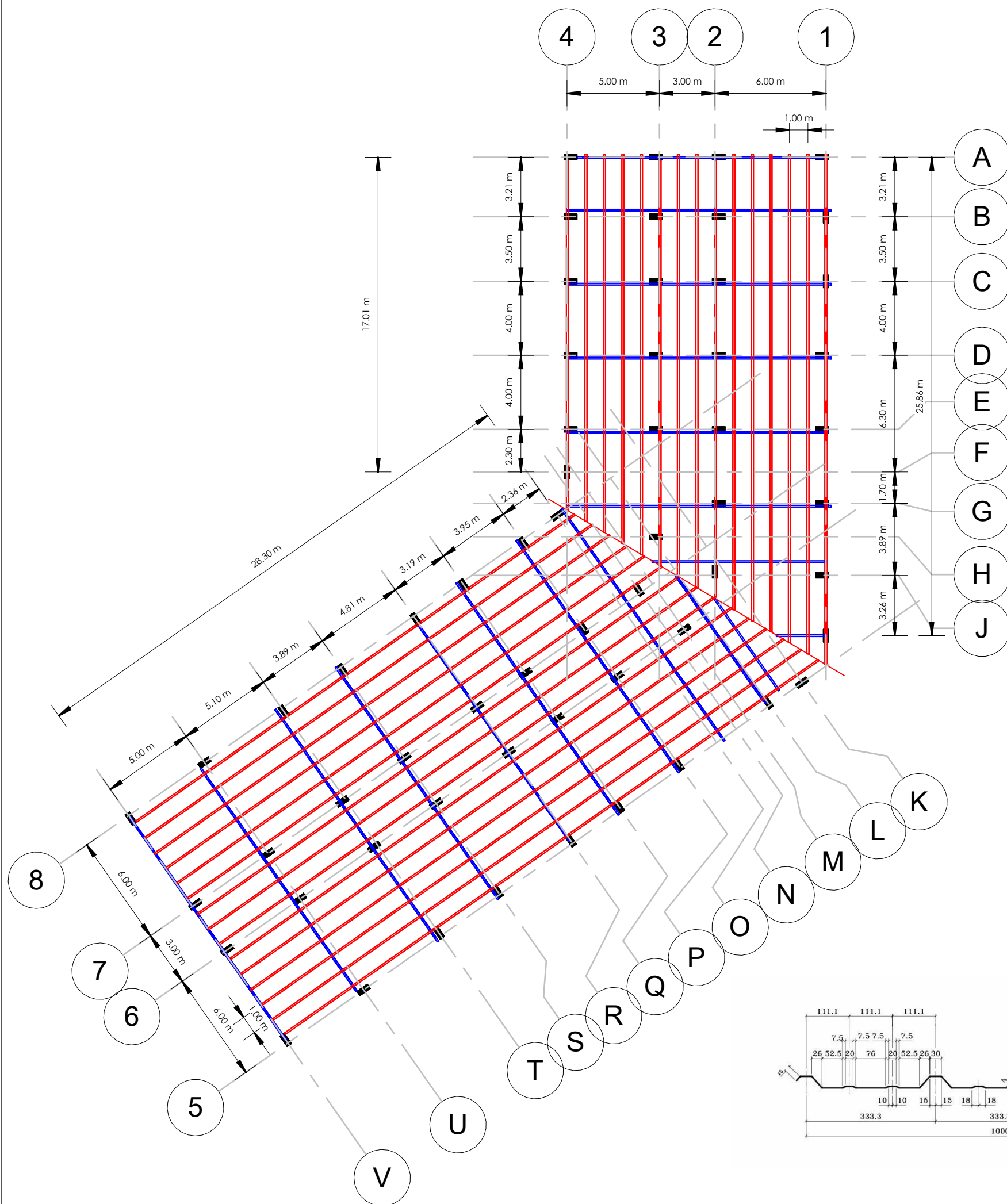
COLUMN DETAILS

DATE: JULY 2022

INDEX: SCALE:

ST-11 As
 indicated

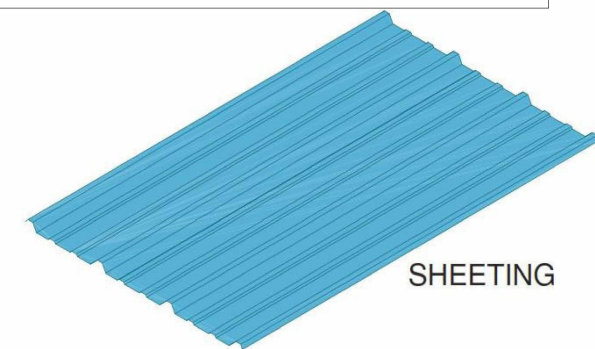




Main (HRS 5x10)

Secondary (HRS 4x8)

Note :
All the Roof sheeting Panel Must be Grade 40



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-SDN-73-01

PROJECT TITLE:

DESIGN (ASH) IN ALFASHER,
NORTH DARFUR STATE- CLASSES &
SKILL LAB

LOCATION:

ALFASHER, NORTH DARFUR STATE

STRUCTURAL ENGINEER:

ENG. MOHAMMED ANAS

CHECKED BY:

ENG. AMRAN MOHAMMED OTHMAN

DRAWING TITLE:

ROOF PLAN

DATE: JULY 2022

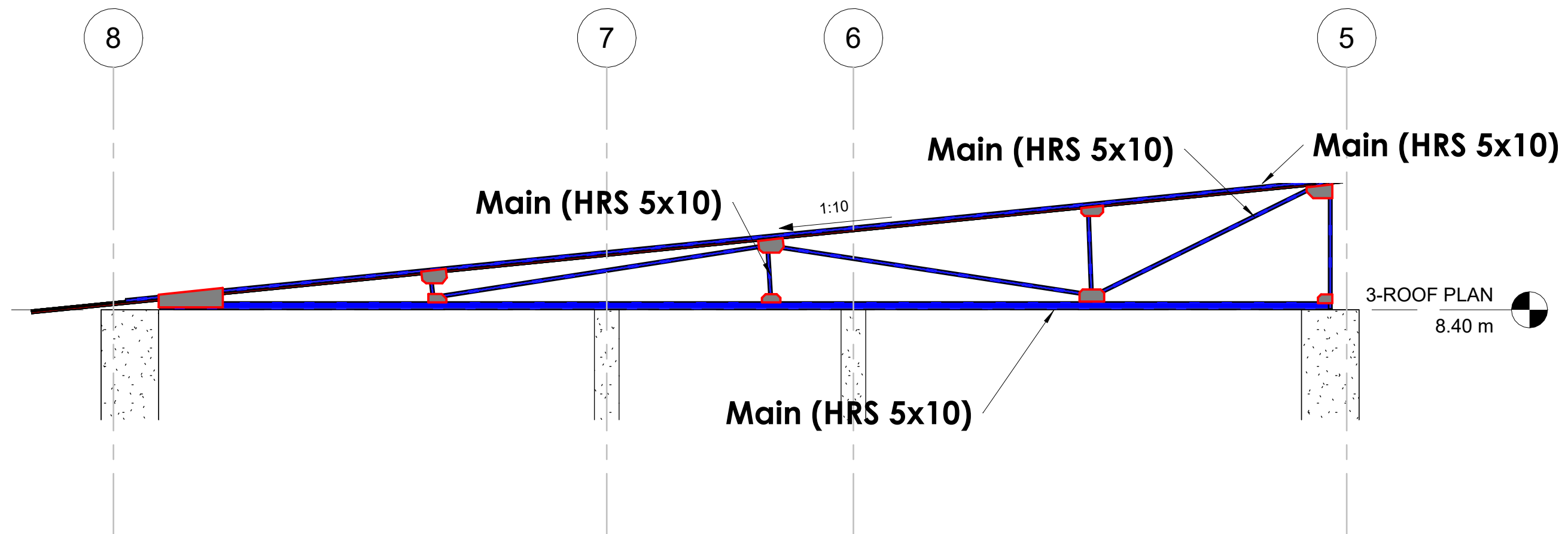
INDEX:

ST-12

SCALE:

As
indicated





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



PROGRAM TITLE:

T05-EUTF-HOA-SDN-73-01

PROJECT TITLE:

DESIGN (ASH) IN ALFASHER,
NORTH DARFUR STATE- CLASSES &
SKILL LAB

LOCATION:

ALFASHER, NORTH DARFUR STATE

STRUCTURAL ENGINEER:

ENG.MOHAMMED ANAS

CHECKED BY:

ENG. AMRAN MOHAMMED OTHMAN

DRAWING TITLE:

ROOF ELEVATION

DATE: JULY 2022

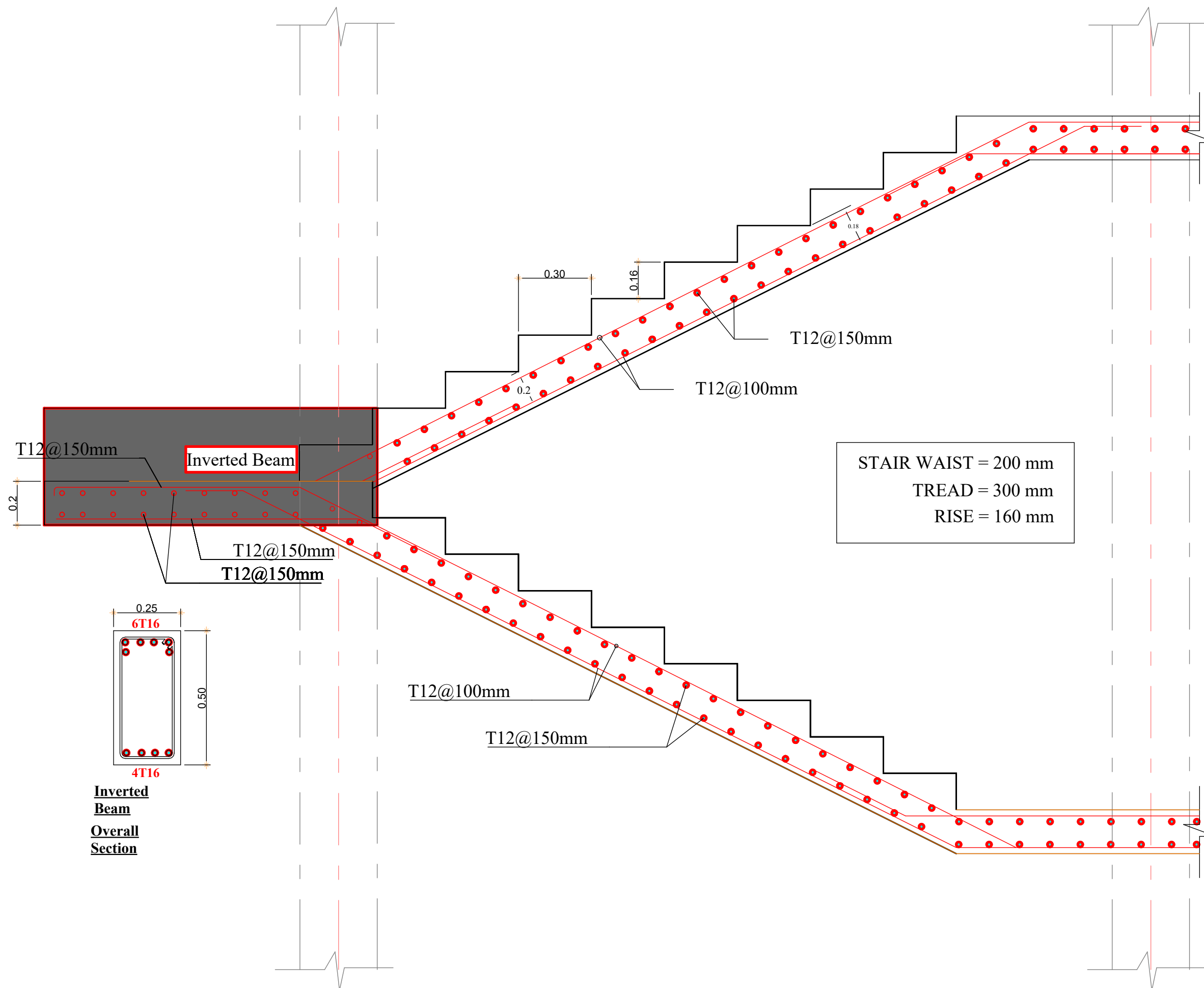
INDEX:

ST-13

SCALE:

1 : 55





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-SDN-73-01

PROJECT TITLE:

DESIGN (ASH) IN ALFASHER,
NORTH DARFUR STATE- CLASSES &
SKILL LAB

LOCATION:

ALFASHER, NORTH DARFUR STATE

STRUCTURAL ENGINEER:

ENG.MOHAMMED ANAS

CHECKED BY:

ENG. AMRAN MOHAMMED OTHMAN

DRAWING TITLE:

STAIR DETAILS

DATE: JULY 2022

INDEX:

ST-14

SCALE:

