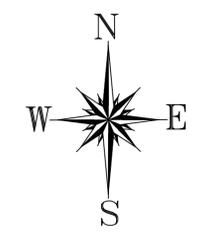


LEGEND	
SYMBOL	DESCRIPTION / MOUNTING METHOD
	AC Socket Outlet with 3x2.5mm ² fixed over 2m above F.L.
	Single Socket Outlet with 3x2.5mm ² fixed over 40cm above F.L.
	Junction box, surface mounting
	Fan Speed Control
	Intruder smoke detector
	Big CO2 portable fire extinguisher
	3 liter Water Type portable fire extinguisher

CABLES LEGEND	
SYMBOL	DESCRIPTION / MOUNTING METHOD
	Cable installed in conduit in the ground
	Cable installed on perforated tray run horizontally
	Cable installed in conduit on surface mounting with cable clips
	Earthing cable
	Switchboard - Main Power Supply
	Mainbus (0.004x0.004)

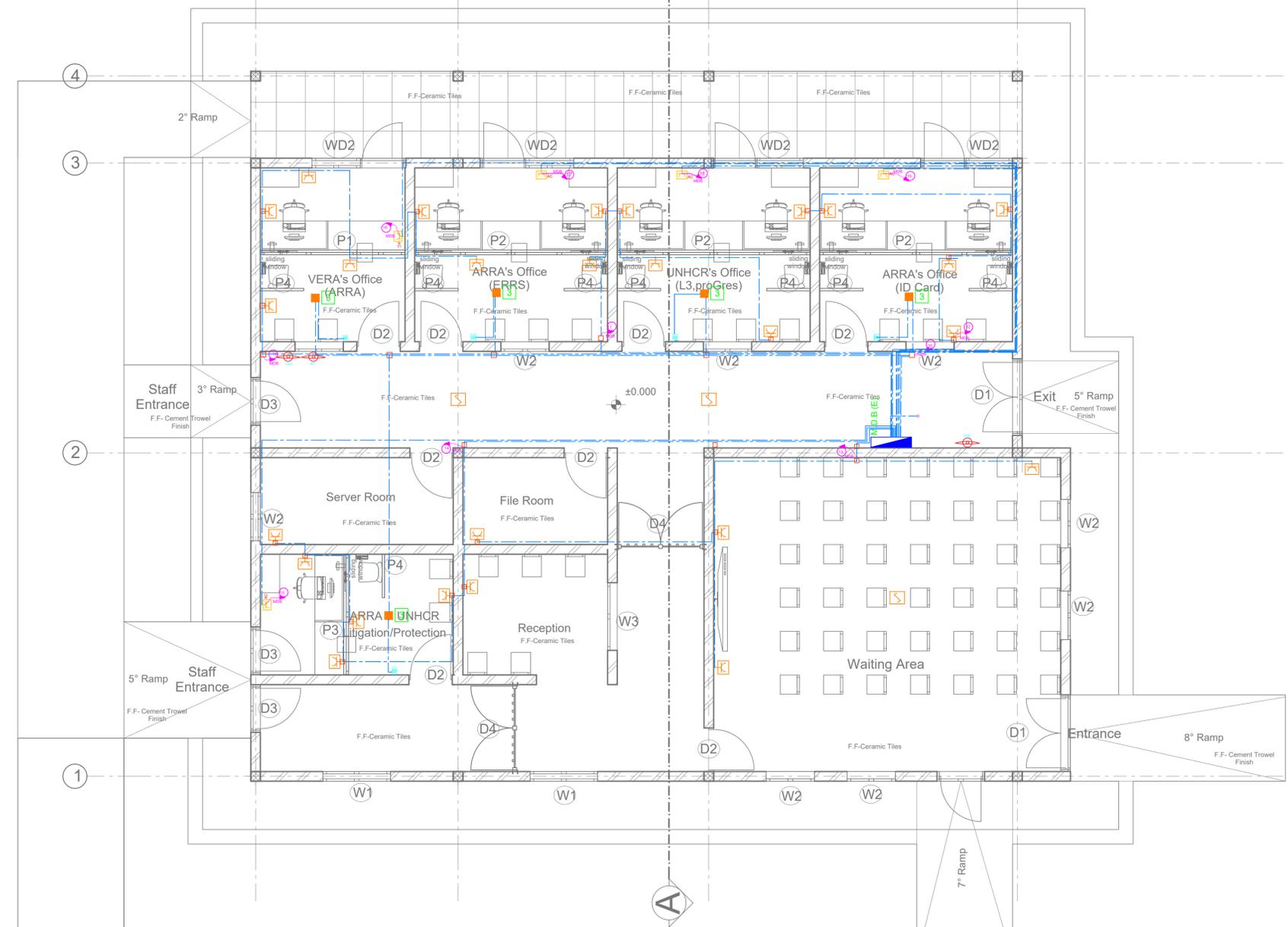
EQUIPMENT LISTING	
REFERENCE	
[1]	Cabling Fan

GENERAL NOTES	
<ul style="list-style-type: none"> The implementation of the different components should be aligned by the contractor in the implementation phase, with the elements of the architectural project. The dimensions are given as an indication, the contractor must confirm them in place and perform regular measurements before the work is done. All dimensions must be confirmed with the architectural project. All work must be done with particular care in order not to damage the pre-existing installation, to ensure the safety of the building and the workers. 	

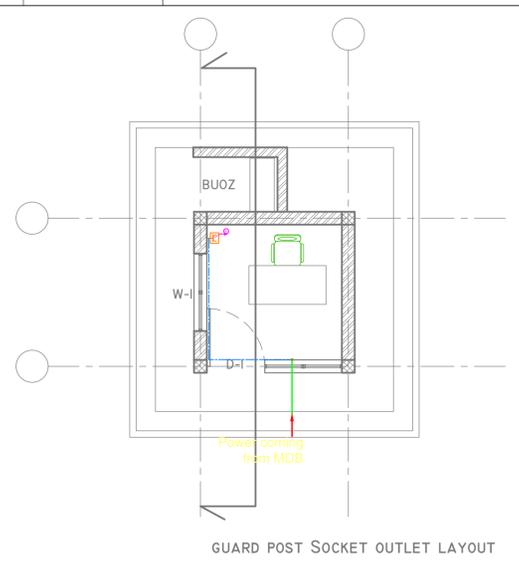


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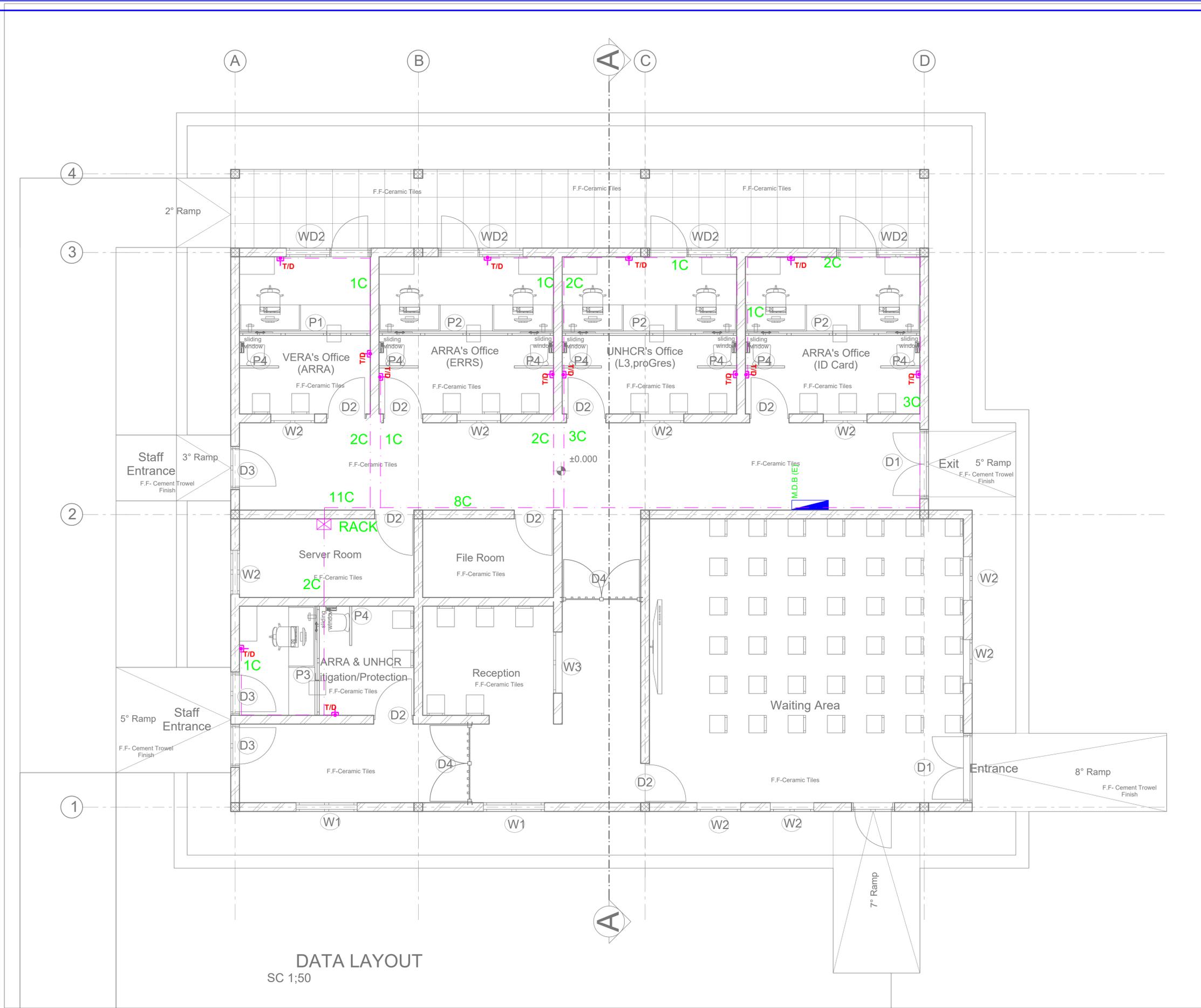
KEY PLAN			
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Funded By:		Partner:	
United Nations Higher Commission for Refugees Office for the AU (UNHCR)		United Nations Higher Commission for Refugees Office for the AU (UNHCR)	
Program:		Implemented By:	
Rehabilitation of UNHCR One-Stop-Shop (OSS) Registration Model		UNOPS , ETHIOPIA OPERATIONAL HUB	
Project Name:		Design:	
OKUGO OSS CENTER		UNOPS , ETHIOPIA OPERATIONAL HUB	
Drawing Title:			
ELECTRICAL INSTALLTION PLAN- SOCKET OUTLET FAN AND FIREFIGHTING SYSTEM			
Designed by	Discipline:	Dr. No:	Tot. No:
YG	EL	03	06
Rev. No:	R1		
Drawn:	Checked:	Approved:	Size:
MA	YG		A1
Scale:	Date:	Rev.:	
1:150	05 / 29 / 2021	0	



SOCKET OUTLET FAN AND SMOKE DETECTOR LAYOUT
SC 1:50



GUARD POST SOCKET OUTLET LAYOUT

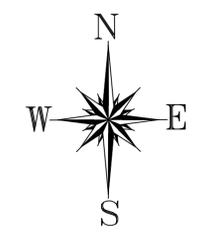


DATA LAYOUT
SC 1:50

LEGEND	
SYMBOL	DESCRIPTION / MOUNTING METHOD
T/D	Data Telephone Outlet
⊗	Switch
□	Junction box, surface mounting
○	Junction

CABLES LEGEND	
SYMBOL	DESCRIPTION / MOUNTING METHOD
—	Cable installed in conduit in the ground
—	Cable installed on perforated tray run horizontally
—	Cable installed in conduit on surface mounting with cable clips
—	Earthing cable
⊞	Switchboard - Mains Power Supply
⊞	Manhole 400x400x100

- GENERAL NOTES**
- The implementation of the different components should be aligned by the contractor in the implementation phase, with the elements of the architectural project;
 - The dimensions are given as an indication, the contractor must confirm them in place and perform precise measurements before the work is done;
 - All dimensions must be confirmed with the architectural project;
 - All work must be done with particular care in order not to damage the pre-existing installation, to ensure the safety of the building and the workers;



Rev.	Date	Description	Approved
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KEY PLAN

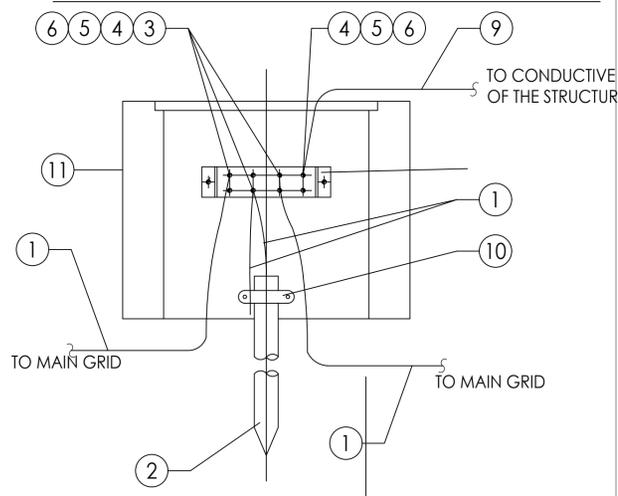
Funded By: United Nations Higher Commission for Refugees Office for the AU (UNHCR)		Partner: United Nations Higher Commission for Refugees Office for the AU (UNHCR)	
Program: Rehabilitation of UNHCR One-Stop-Shop (OSS) Registration Model		Implemented By: UNOPS , ETHIOPIA OPERATIONAL HUB	
Project Name: OKUGO OSS CENTER		Design: UNOPS , ETHIOPIA OPERATIONAL HUB	

ELECTRICAL INSTALLTION PLAN -DATA AND TELE OUTLET

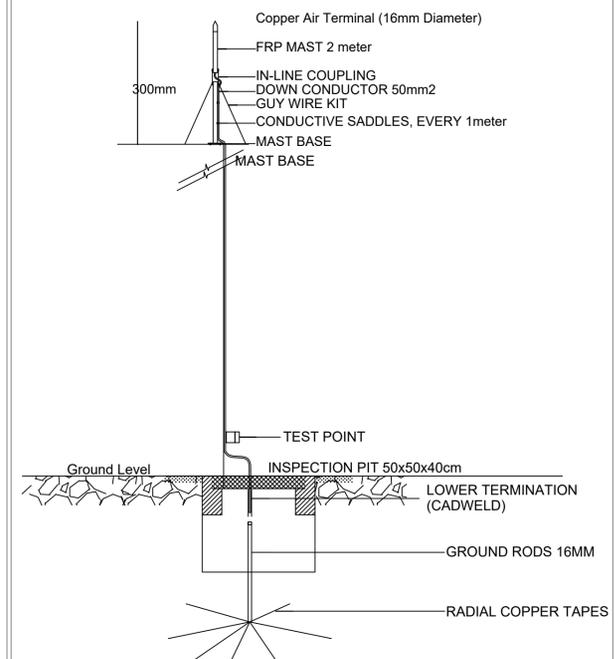
Designed by	Discipline	Dr. No.	Tot. No.	Rev. No.
YG	EL	05	06	R0
Drawn:	Checked:	Approved:	Size:	Scale:
MA	YG		A1	1:150
			Date:	Rev.:
			03 / 09 / 2021	

REF.	MANHOLE OF SIZE 600x600		MANHOLE OF SIZE 400x400	
	STONE	BRICK	STONE	BRICK
a	400	250	400	250
b	50	50	50	50
c	200	125	200	125
d	100	100	100	100
e	80	80	80	80
f	600	600	400	400
g	1400	1100	1200	900
h	180	180	180	180
i	700	700	500	500

EARTHING SYSTEM DETAIL AT THE EARTHING PIT



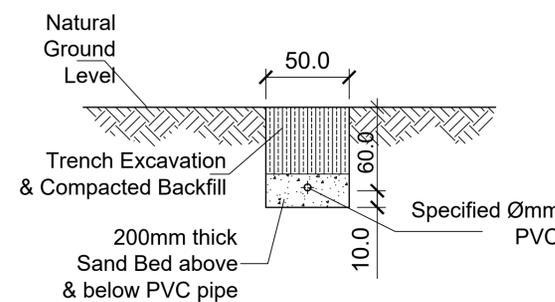
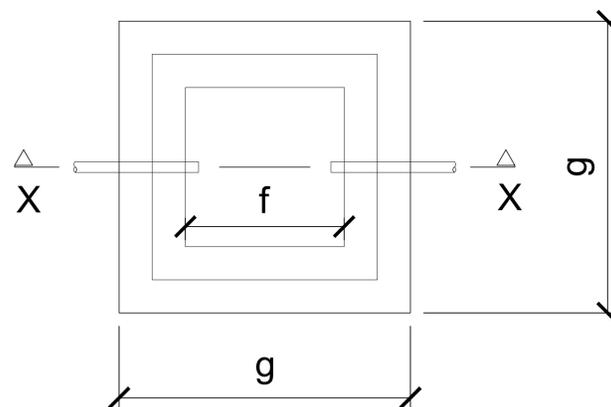
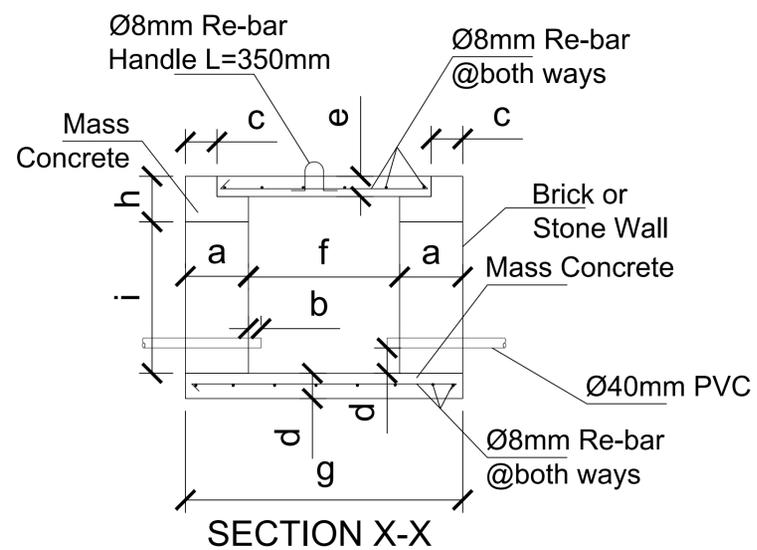
TYPE	DESCRIPTION
1	EARTH STRANDED COPPER CONDUCTOR = 1 x 16mm ² sq.
2	EARTH ELECTRODE - COPPER ROD 1200 x 10mm
3	COMPRESSION CABLE TERMINAL FOR ROPE IN Cu Ø14.7 (HOLE Ø13)
4	PIN STAINLESS STEEL M12X40
5	FLAT WASHER IN STAINLESS STEEL Ø13 mm
6	DIE IN STAINLESS STEEL M12
7	GROUND STRAP IN Cu DIM. 260 x 100 x 6mm
8	EXPANSION SMALL BLOCK M10
9	FLAT IN Cu 30 x 3mm
10	CLAMP TERMINAL (EARTH ROD TO CONDUCTOR)
11	MANHOLE SIZE OF 400 x 400 x 500MM WITH CONCRETE COVER HAVING LIFTING LUG



LIGHTNING PROTECTION SYSTEM DETAIL

NOTE

- 1 - Copper Lightning Protection shall not be installed directly on aluminum roofing, siding or other aluminum surfaces.
- 2 - Down conductor entering corrosive soil shall be protected against corrosion for not less than 915mm above ground level and for entire length below grade level.
- 3- Service conduit entering a building underground shall be suitably drained. Keeping the slope suitable to drain.



SECTION A-A
CABLE TRENCH DETAIL
SCALE 1:25

Rev.	Date	Description	Approved
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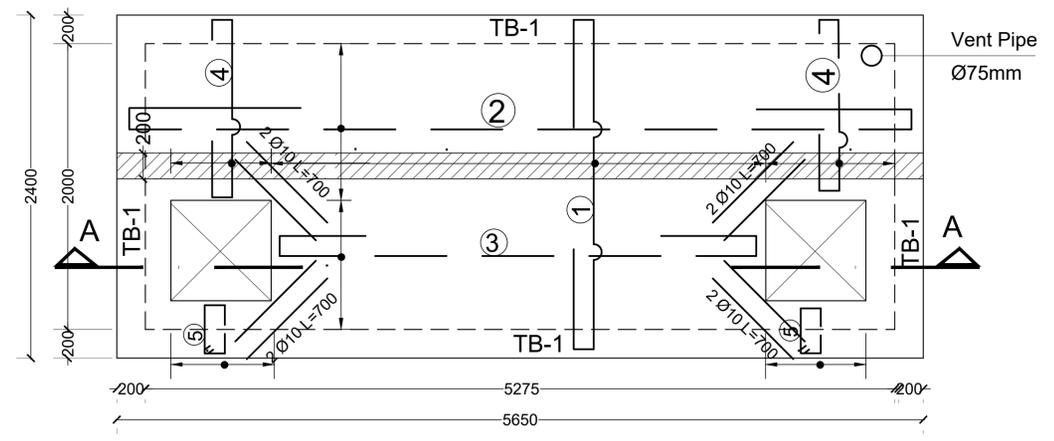
KEY PLAN

Funded By: United Nations Higher Commission for Refugees Office for the AU (UNHCR)		Partner: United Nations Higher Commission for Refugees Office for the AU (UNHCR)	
Program: Rehabilitation of UNHCR One-Stop-Shop (OSS) Registration Model		Implemented By: UNOPS , ETHIOPIA OPERATIONAL HUB	
Project Name: OKUGO OSS CENTER		Design: UNOPS , ETHIOPIA OPERATIONAL HUB	

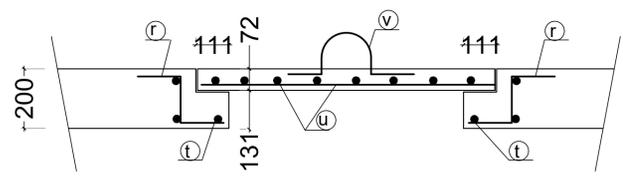
Drawing Title: ELECTRICAL INSTALLATION PLAN - EARTHING MANHOLE AND LIGHTNING PROTECTION DETAIL

Discipline	Dr. No.	Tot. No.	Rev. No.
YG	EL	06	06
MA	YG	A1	1:150

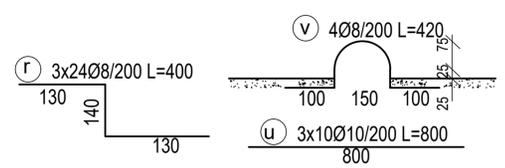
25m³ CAPACITY SEPTIC TANK



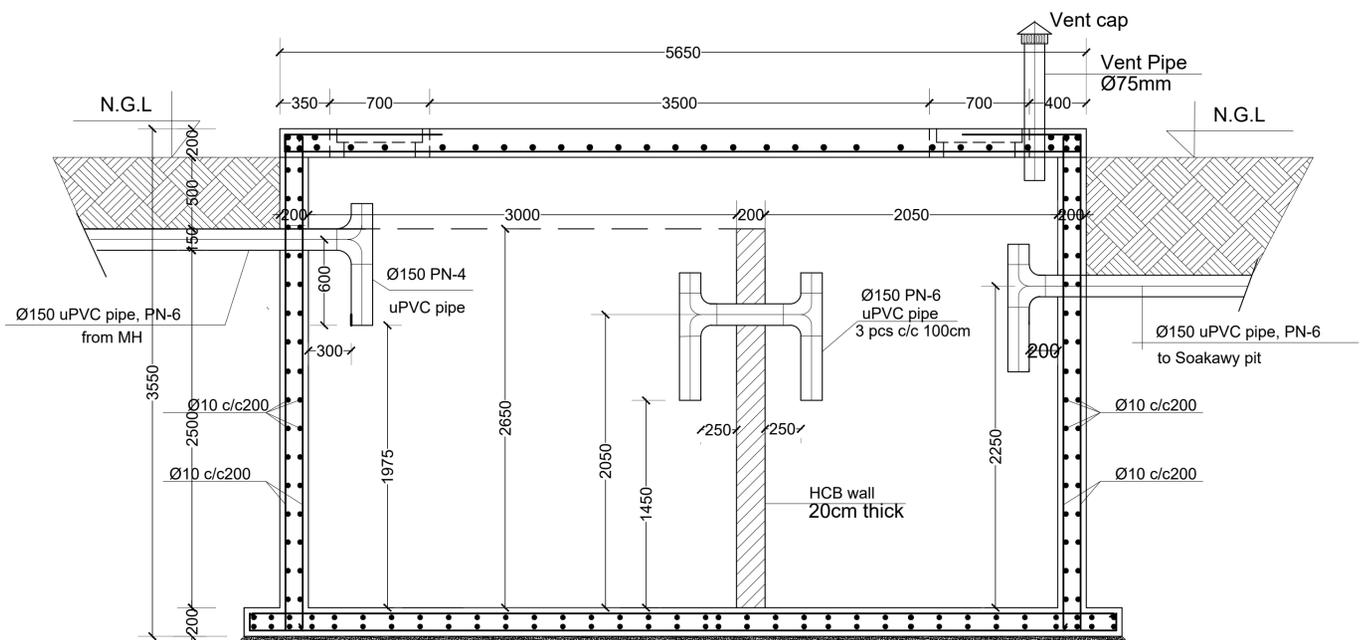
TOP SLAB REINFORCEMENT (200mm thick)
SCALE 1:25



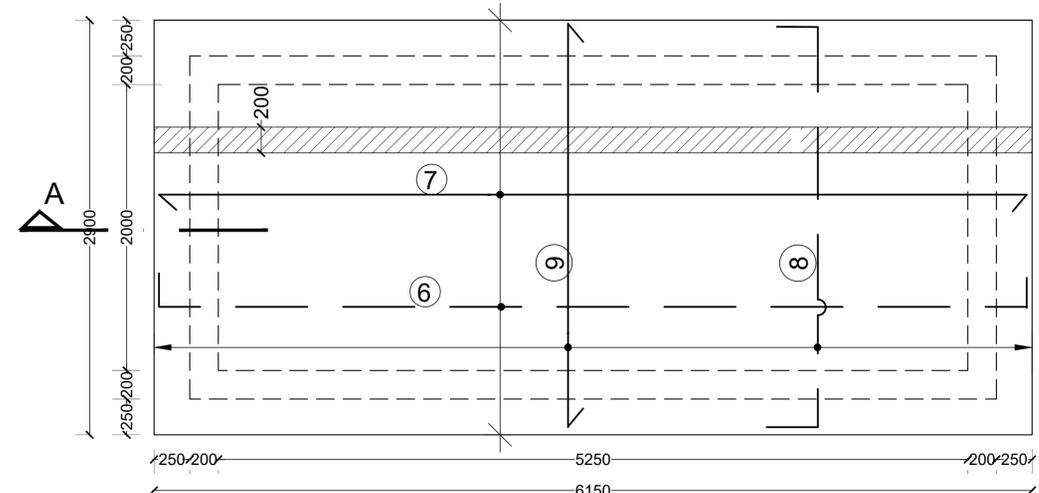
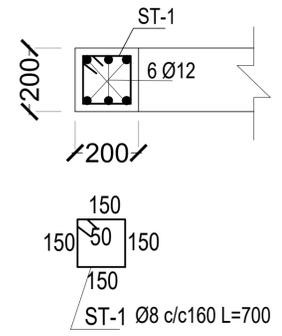
DETAIL FOR MAN HOLE
SCALE 1:10



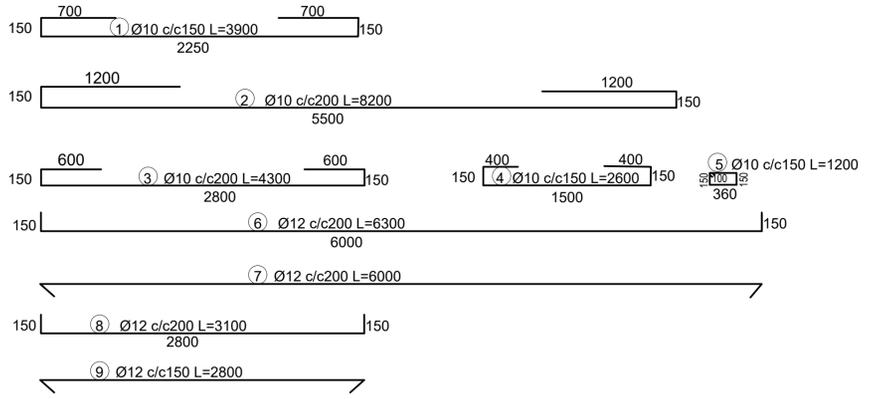
BEAM TB-1
SCALE 1:25



SECTIONAL A-A SCALE 1:25



BOTTOM SLAB REINFORCEMENT (200mm thick)
SCALE 1:25



GENERAL NOTES:

Rev.	Date	Description	Approved
0			

KEY PLAN

Funded By:		Partner:	
United Nations Higher Commission for Refugees Office for the AU (UNHCR)	United Nations Higher Commission for Refugees Office for the AU (UNHCR)		
Program:		Implemented By:	
Rehabilitation of UNHCR One-Stop-Shop (OSS) Registration Model	UNOPS ETHIOPIA OPERATIONAL HUB		
Project Name:		Design:	
Okugo Oss Center	UNOPS ETHIOPIA OPERATIONAL HUB		

Designed by					Discipline:	Dr. No:	Tot. No:	Rev No:
YG					SN	04	04	R0
Drawn:	Checked:	Approved:	Size:	Scale:	Date:	Rev.:		
FM	AE	BM	A1	1:25	02 / 05 / 2021	0		