

SCHOOL ADMINISTRATION BLOCK (Black Cotton Soil)

GENERAL NOTES:



1. All dimensions are in millimeters unless otherwise stated.
2. All dimensions are to be checked and confirmed on site before commencement of any work
3. Depth of pad foundation 1200mm
4. Depth of strip foundation 750mm
5. Any discrepancy or changes is to be reported to IOM site Engineer/Project manager before proceeding

Rev:	Date	Description:	Approved
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Program



Client:
GOVERNMENT OF SOUTH SUDAN

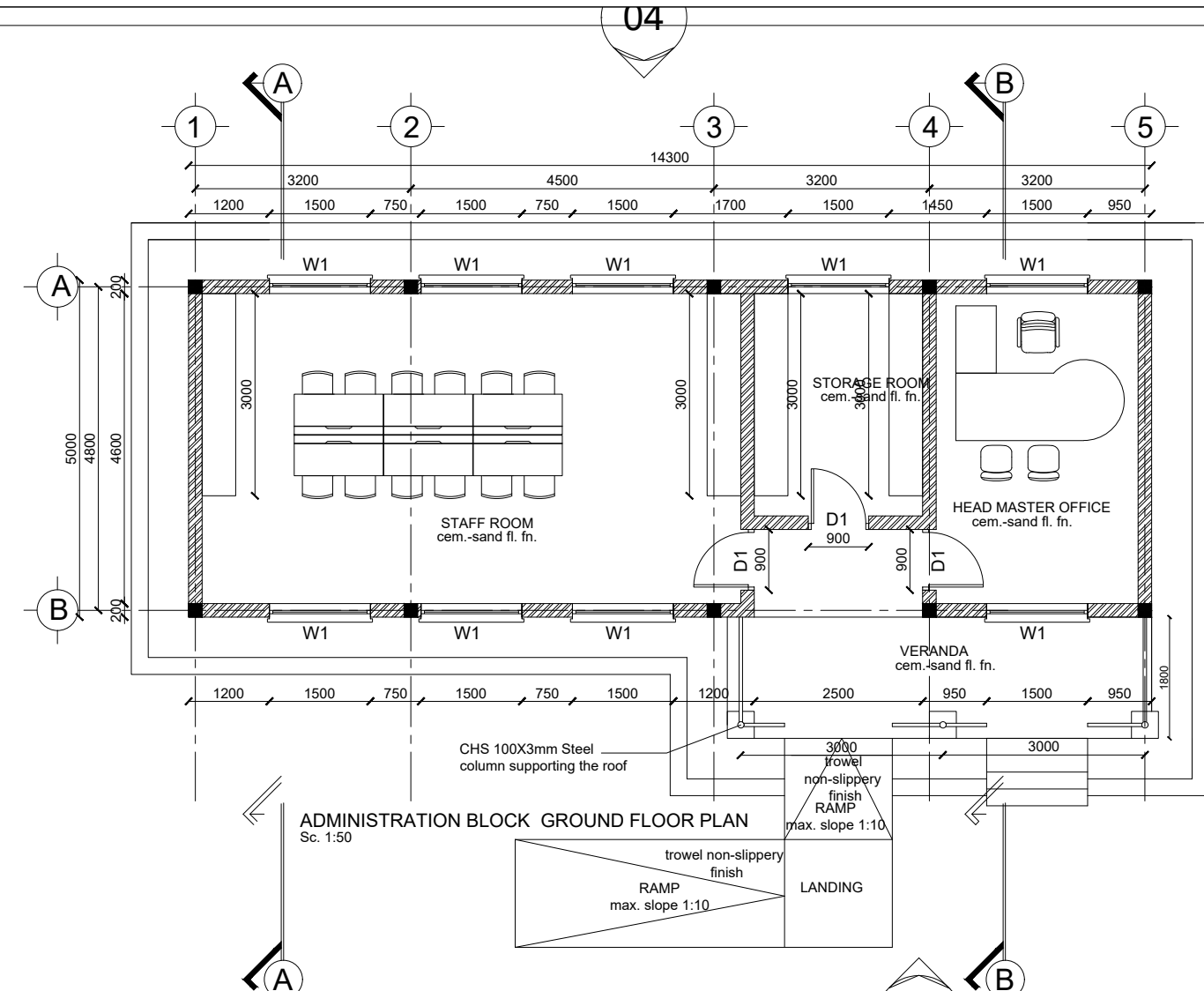
Implemented By: 

Project:
PROPOSED ADMINISTRATION BLOCK

Drawing Title
COVER PAGE

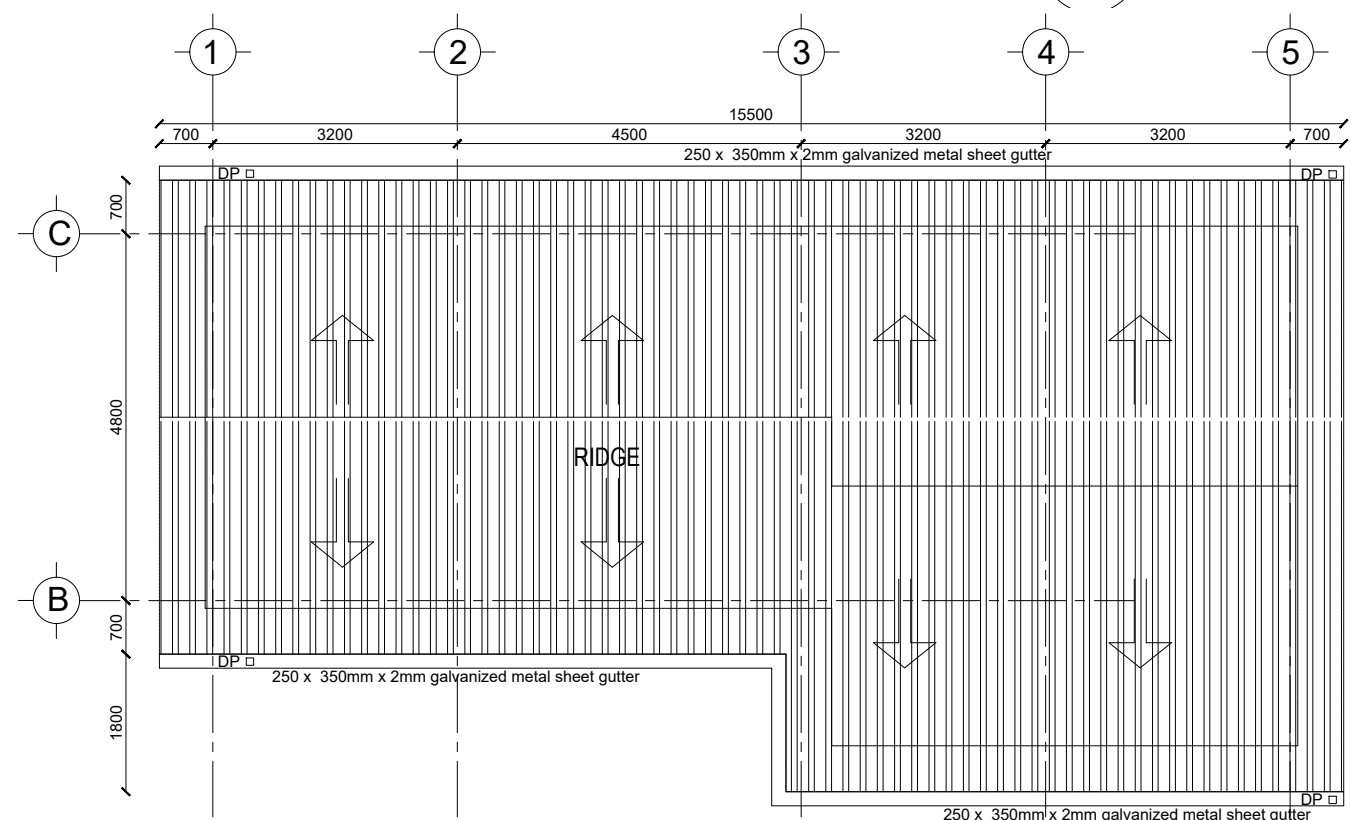
Designed By: H.A	Drawn by: H.A
Checked: F.E & G.O	Approved: ----
Sheet #: 1/12	Scale: AS SPECIFIED
Date: 6 August 2024	Rev: 0

01



ADMINISTRATION BLOCK GROUND FLOOR PLAN
Sc. 1:50

03



ADMINISTRATION BLOCK ROOF PLAN
Sc. 1:50

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Program

Enhancing Community Resilience and Local Governance Project

Client:

GOVERNMENT OF SOUTH SUDAN

Implemented By:

Project:

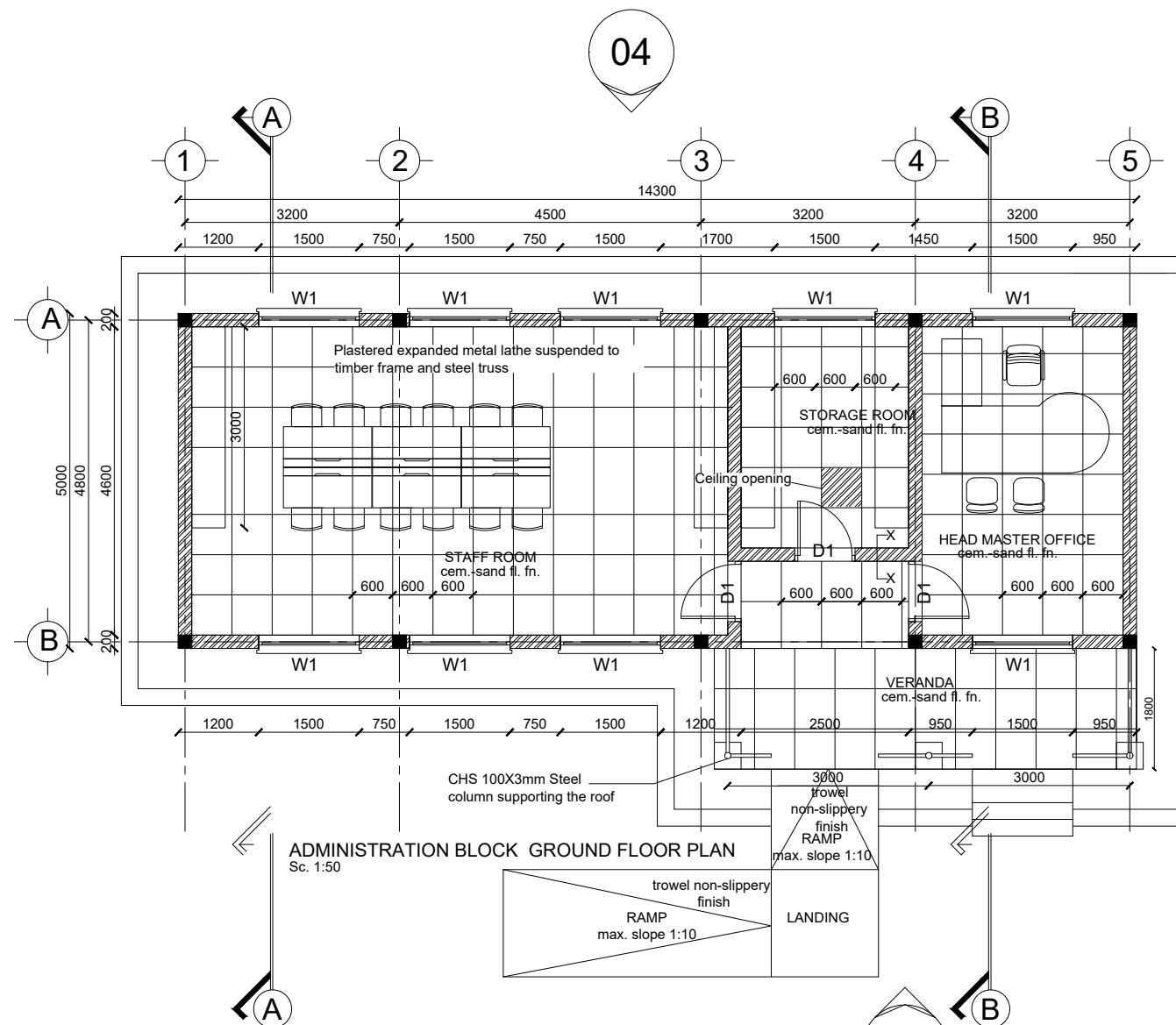
PROPOSED ADMINISTRATION BLOCK

Drawing Title

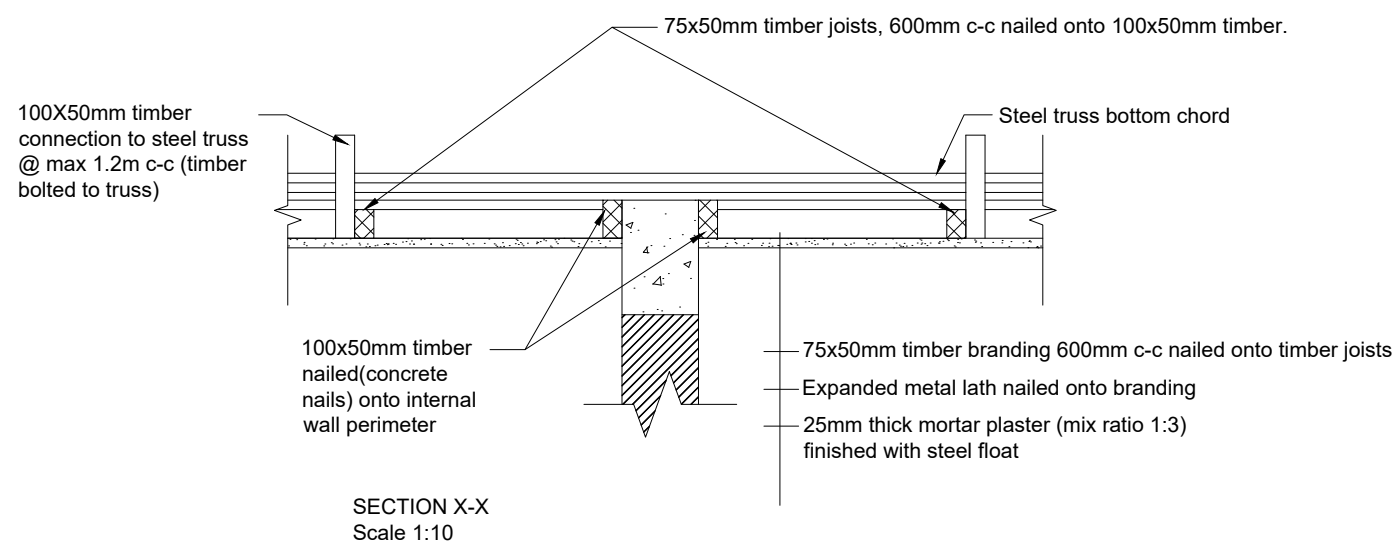
FLOOR PLAN, AND ROOF PLAN

Designed By: H.A	Drawn by: H.A
Checked: F.E & G.O	Approved: ----
Sheet #: 2/12	Scale: AS SPECIFIED
Date: 6 August 2024	Rev: 2

01



03



02

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Program



Client:

GOVERNMENT OF SOUTH SUDAN

Implemented By:



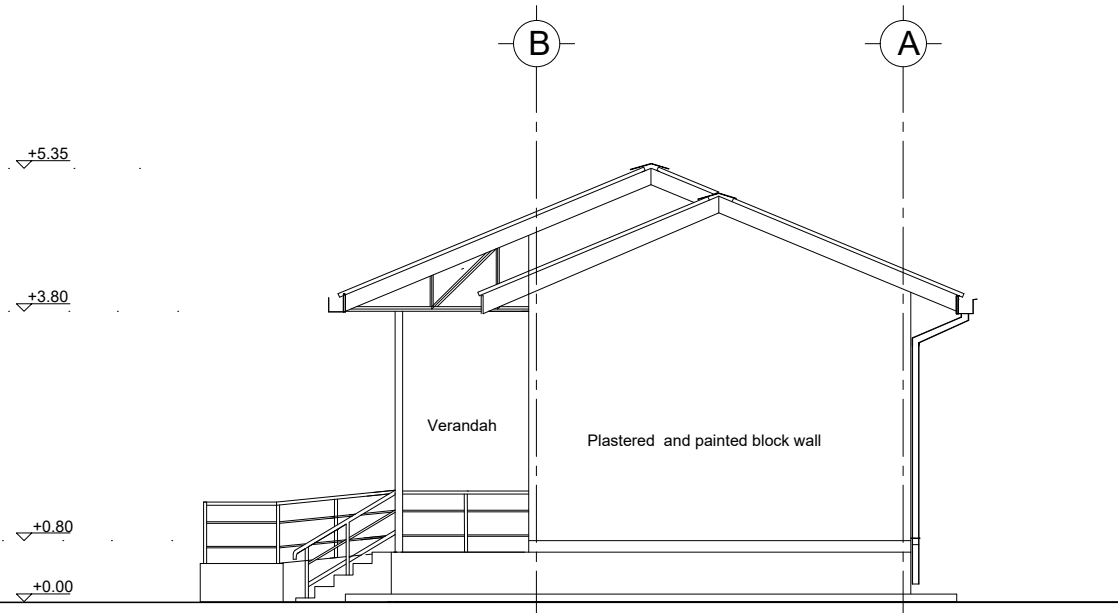
Project:

PROPOSED ADMINISTRATION BLOCK

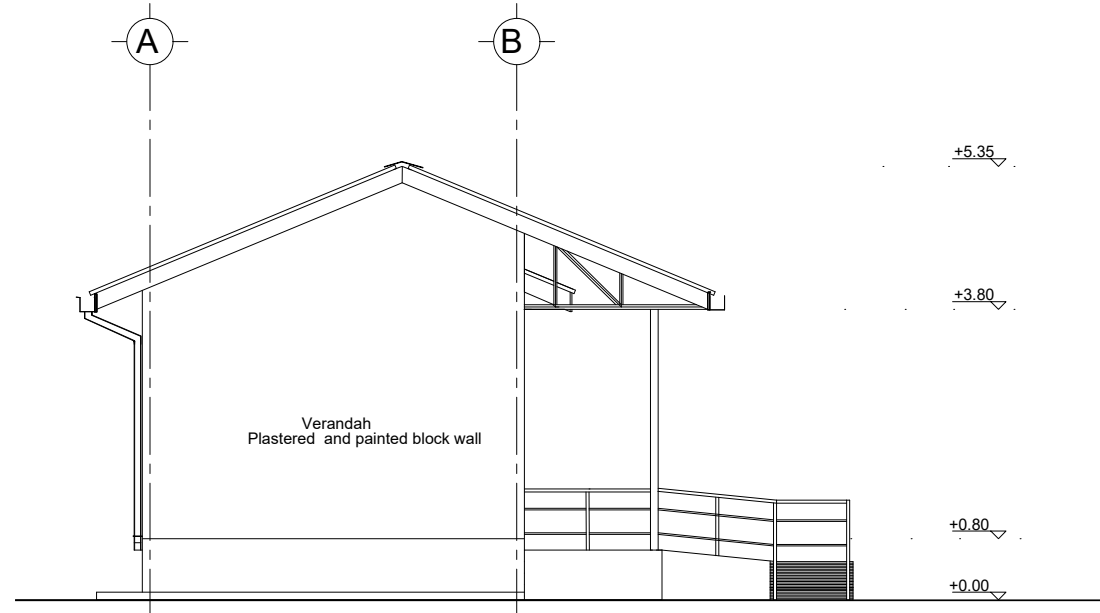
Drawing Title

FLOOR PLAN, AND ROOF PLAN

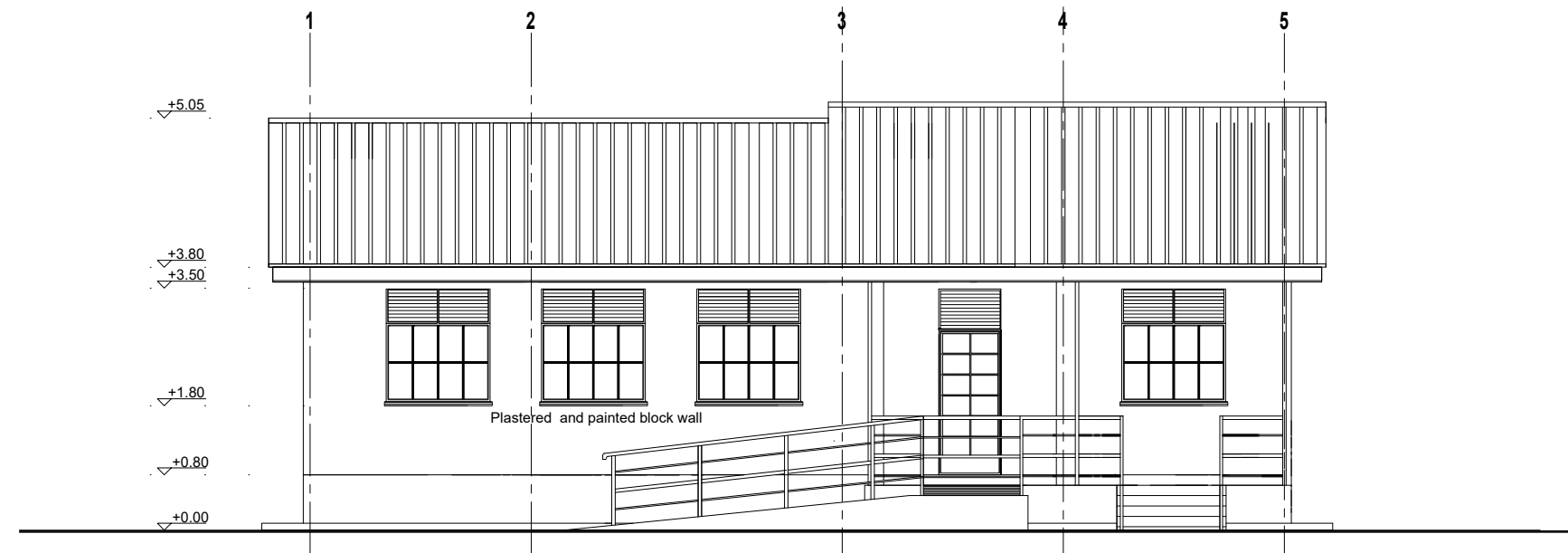
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Sheet #: 3/12	Scale: AS SPECIFIED
Date: 6 August 2024	Rev: 2



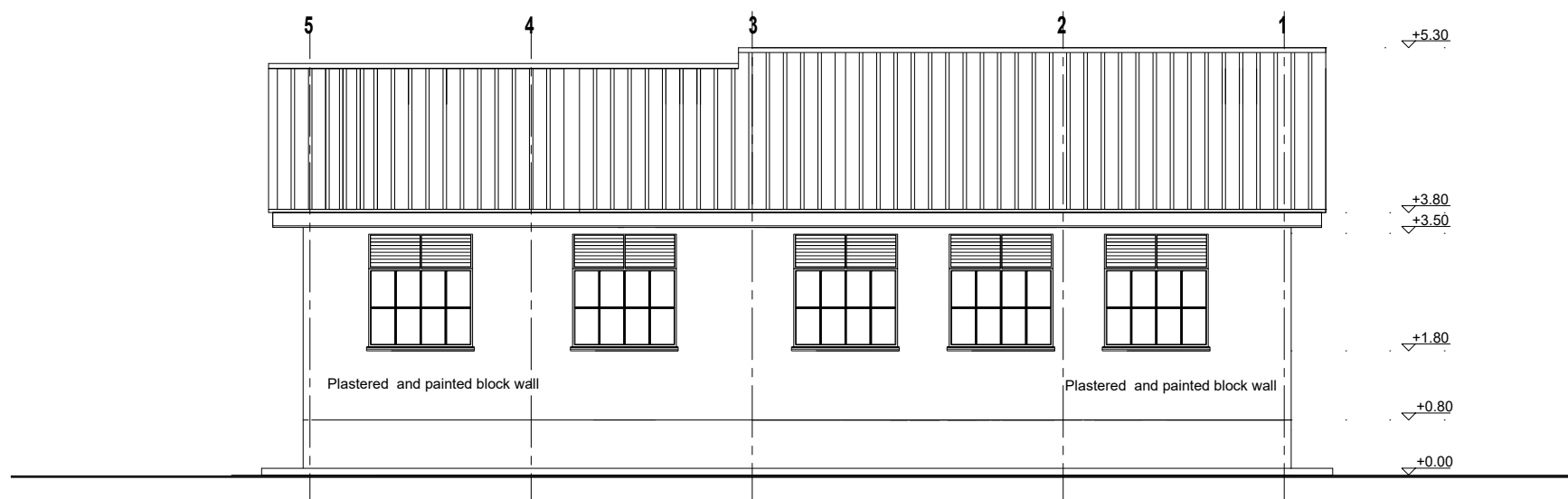
SIDE ELEVATION - 01
Sc. 1:50



SIDE ELEVATION - 02
Sc. 1:50



FRONT ELEVATION - 03
Sc. 1:50



REAR ELEVATION - 04
Sc. 1:50

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Program



Client:

GOVERNMENT OF SOUTH SUDAN

Implemented By:



Project:

PROPOSED ADMINISTRATION BLOCK

Drawing Title

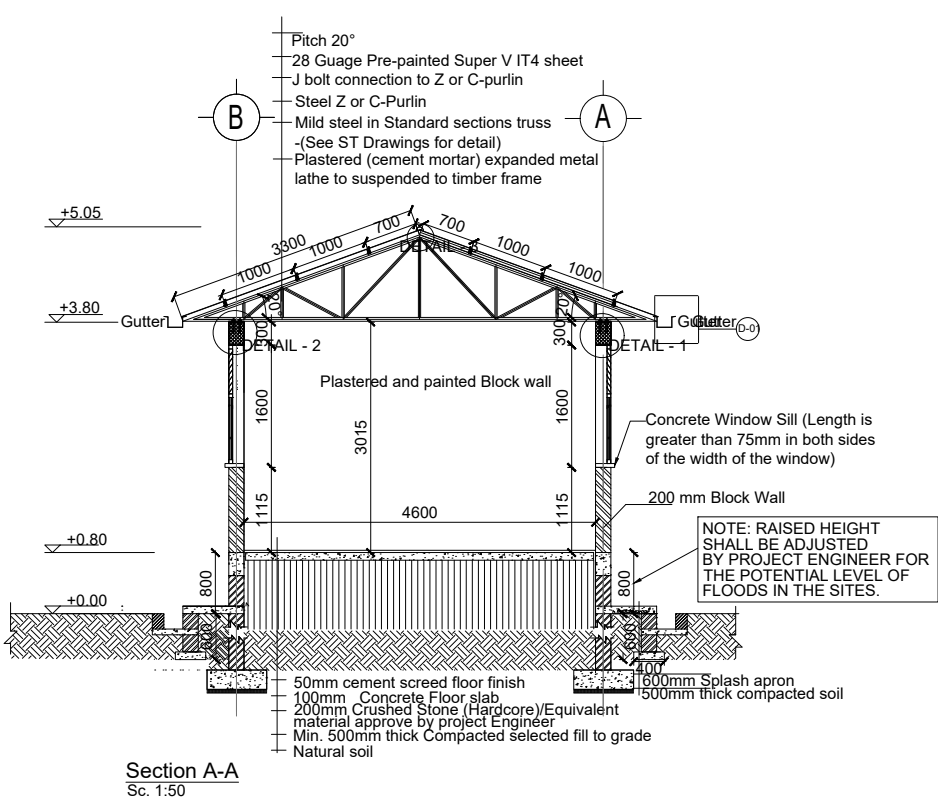
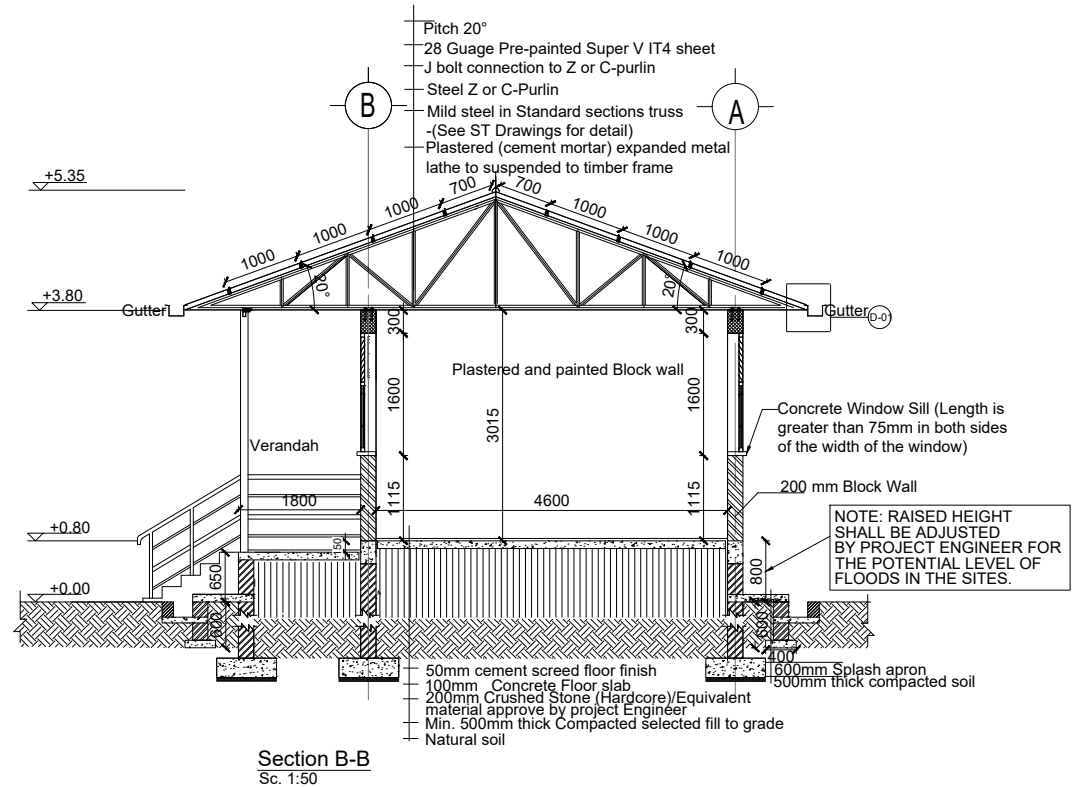
ELEVATIONS

Designed By: H.A Drawn by: H.A

Checked: F.E & G.O Approved: ----

Sheet #: 4/12 Scale: AS SPECIFIED

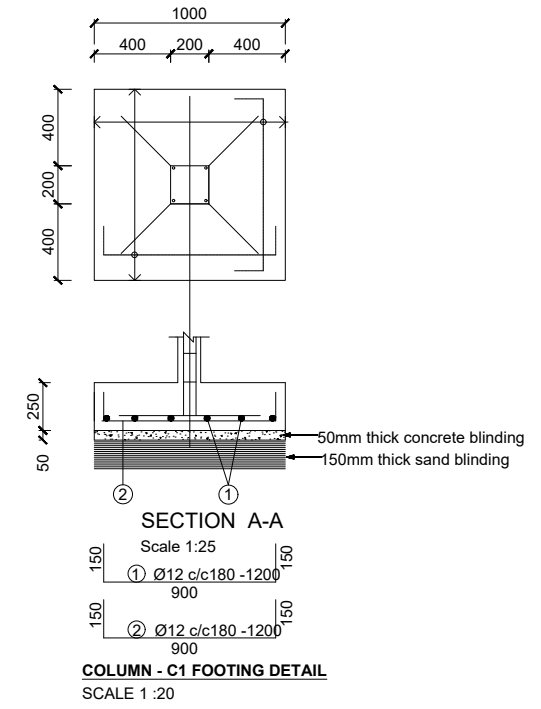
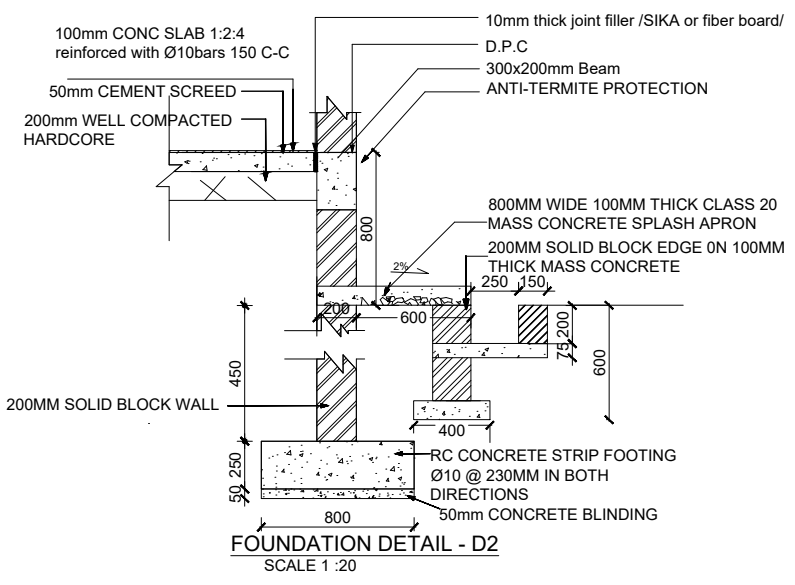
Date: 6 August 2024 Rev: 0



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Program

Enhancing Community Resilience and Local Governance Project

Client:

GOVERNMENT OF SOUTH SUDAN

Implemented By:

IOM
UN MIGRATION

Project:

PROPOSED ADMINISTRATION BLOCK

Drawing Title

SECTION AND DETAILS

Designed By: H.A	Drawn by: H.A
Checked: F.E & G.O	Approved: ----
Sheet #: 5/12	Scale: AS SPECIFIED
Date: 6 August 2024	Rev: 0

STRUCTURAL NOTES:

- I) Building shall be founded on load bearing stone/concrete block masonry wall having a depth of 750mm and pad foundation having depth of 1200mm from the natural ground level with bottom of excavation compacted prior to laying the foundation wall.
- II) Stone masonry foundation shall be on reinforced concrete strip footing placed on the natural black cotton soil and achieve a minimum bearing capacity of 100 KN/m².
- III) Foundation trench excavation to be approved by the Engineer prior to the construction of footing and the stone/block masonry foundation.

- IV) Material Specification
 - A) Grade of Structural Concrete
 - C-25 (Cube characteristics strength of 25 MPa, mix ratio 1:1.5:3) for columns and beams;
 - C-20 (Cube characteristics strength of 20 MPa, mix ration 1:2:4) for floor slab.
 - B) Concrete reinforcement bar
 - Grade 460 (Characteristics yield strength of $f_{yk} = 460$ MPa)
 - C) Steel hollow section for roofing system, verandah column and plates
 - Grade C: Tensile Strength = 375 Mpa
 - Yield Strength = 275 Mpa
 - D) Grade of Bolts
 - Grade 4.6: Yield Strength = 240 Mpa
 - Tensile Strength = 400 Mpa

- V) Durability Requirements
 - ❖ Concrete Cover to Reinforcement
 - Floor slabs: 25mm.
 - Beams: 25mm
 - Columns: 25mm
 - All foundation (below the ground level): 50mm
 - ❖ Protection of steel work
 - Surface preparation by blast cleaning, pickling process or where approved by wire brushing
 - Application of one coat of an approved pre-fabrication fabrication primer e.g. Zinc chromate
 - Two coats of an approved paint system to be proposed by Architect, one applied at shop and the other on site after erection.

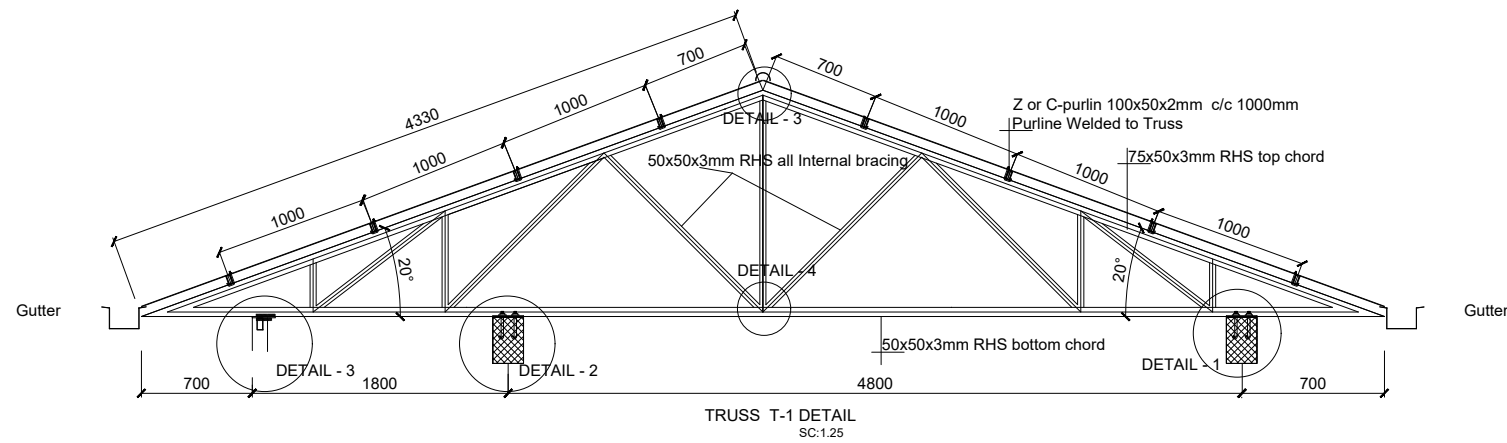
GENERAL NOTES:



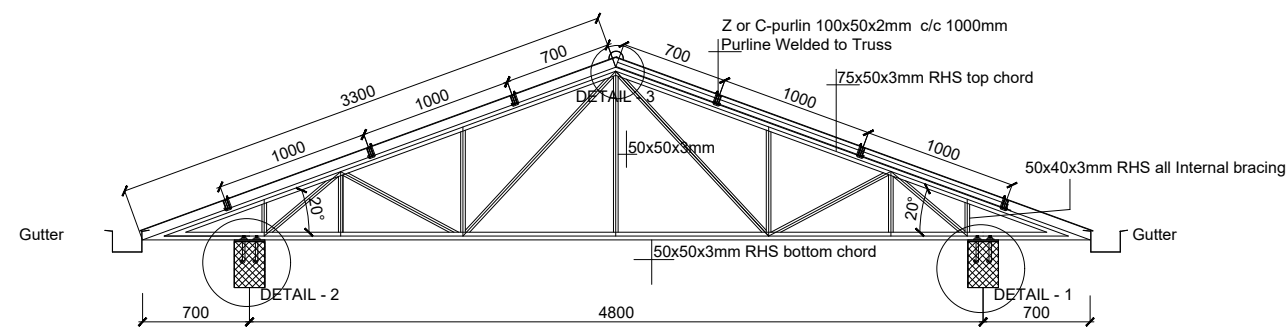
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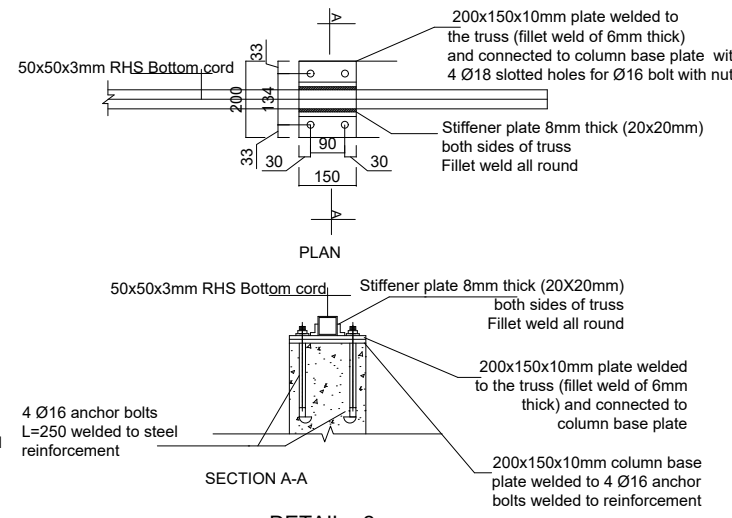
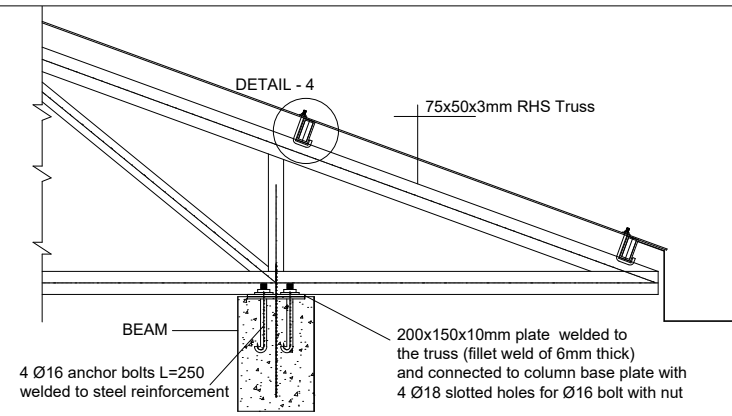
Program	
 Enhancing Community Resilience and Local Governance Project	
Client:	
GOVERNMENT OF SOUTH SUDAN	
Implemented By:	
Project:	
PROPOSED ADMINISTRATION BLOCK	
Drawing Title	
STRUCTURAL NOTES	
Designed By: H.A	Drawn by: H.A
Checked: F.E & G.O	Approved: ----
Sheet #: 6/12	Scale: AS SPECIFIED
Date: 6 August 2024	Rev: 0



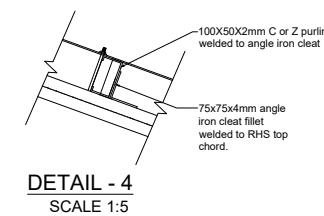
TRUSS T-1 DETAIL
SC:1.25



TRUSS T-2 DETAIL
SC:1.25



DETAIL - 2
SCALE 1:10



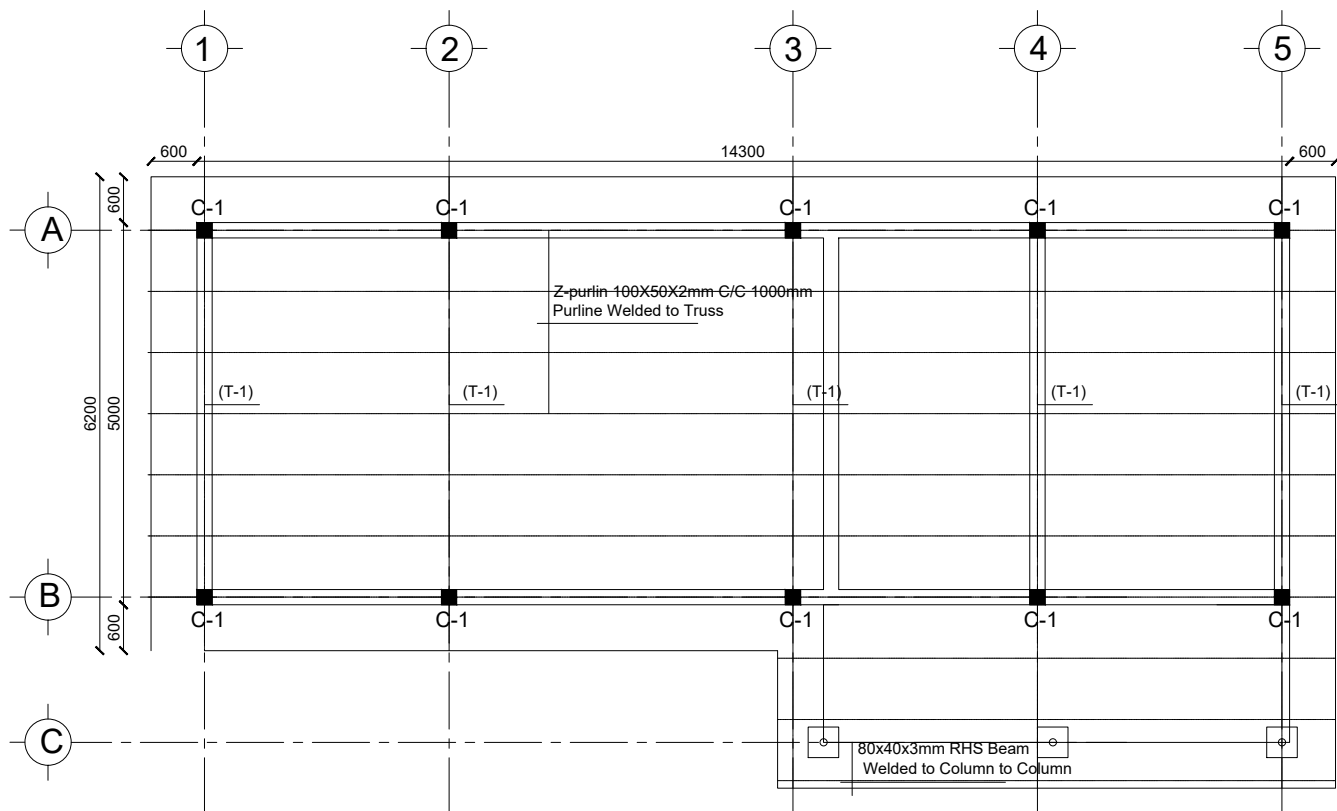
DETAIL - 4
SCALE 1:5

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ROOF BEAM AND TRUSS LAYOUT
SCALE 1:50

Program



Client:

GOVERNMENT OF SOUTH SUDAN

Implemented By:



Project:

PROPOSED ADMINISTRATION BLOCK

Drawing Title

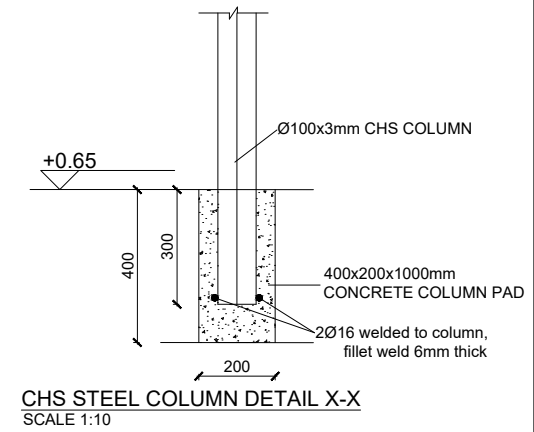
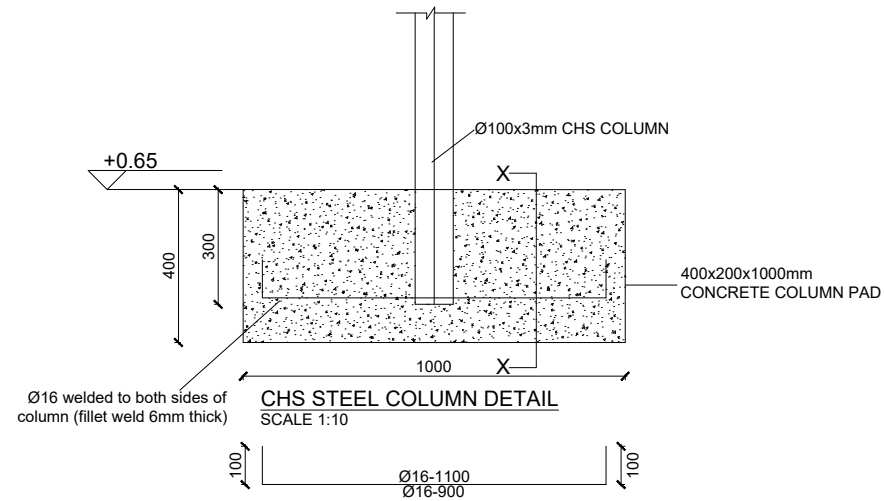
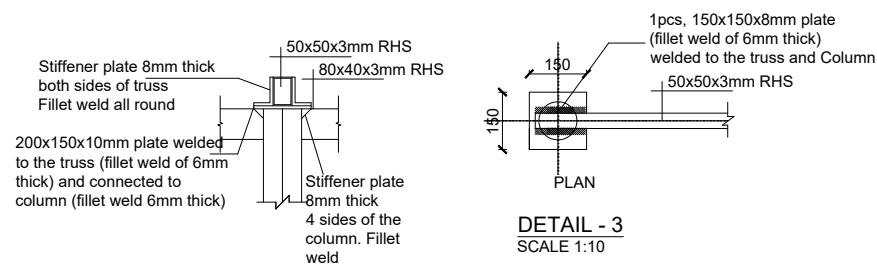
ROOF TRUSS DETAILS

Designed By: H.A Drawn by: H.A

Checked: F.E & G.O Approved: ----

Sheet #: 8/12 Scale: AS SPECIFIED

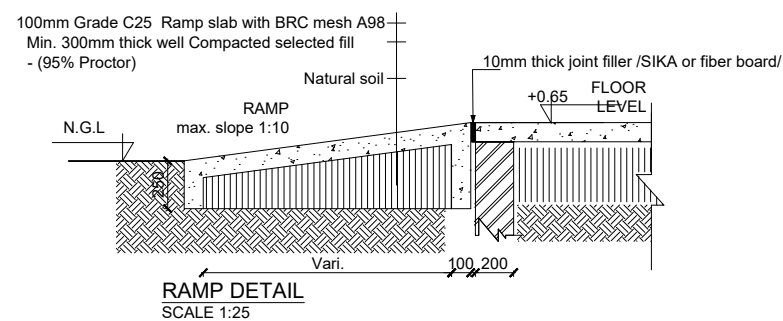
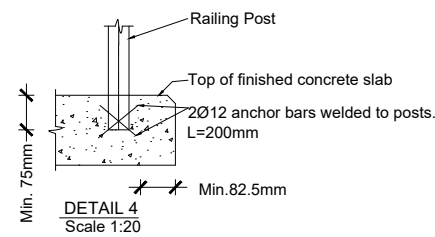
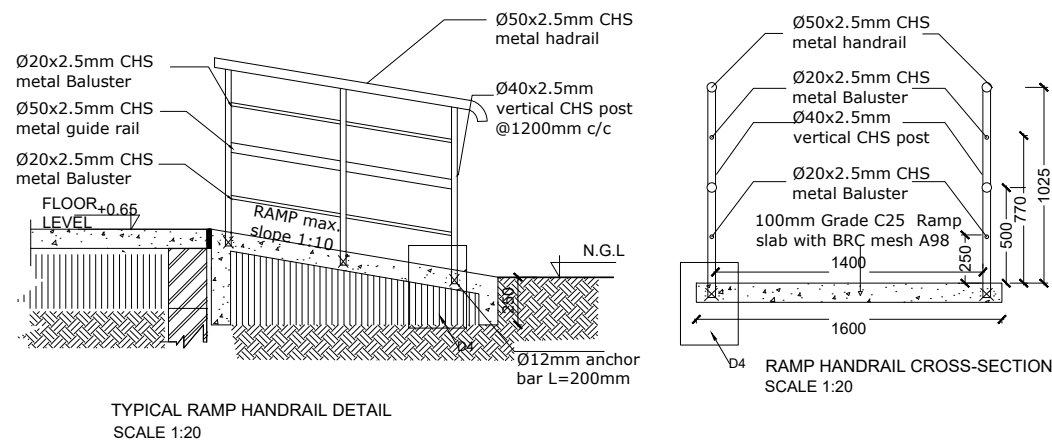
Date: 6 August 2024 Rev: 0



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Program



Client:

GOVERNMENT OF SOUTH SUDAN

Implemented By:



Project:

PROPOSED ADMINISTRATION BLOCK

Drawing Title

ROOF TRUSS AND RAMP DETAILS

Designed By: H.A

Drawn by: H.A

Checked: F.E & G.O

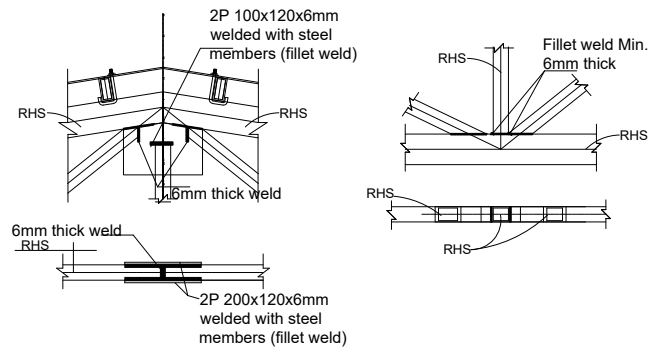
Approved: ----

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Scale: AS SPECIFIED

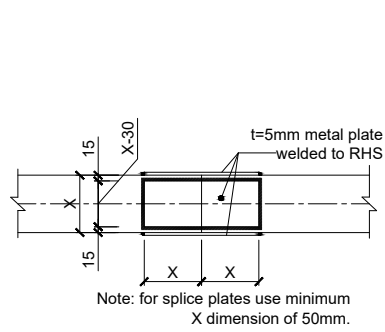
Date: 6 August 2024

Rev: 0

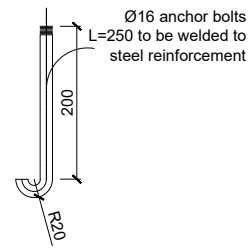


DETAIL - 3
SCALE 1:10

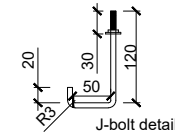
DETAIL - 4
SCALE 1:10



SPLICE DETAILS
SCALE 1:10



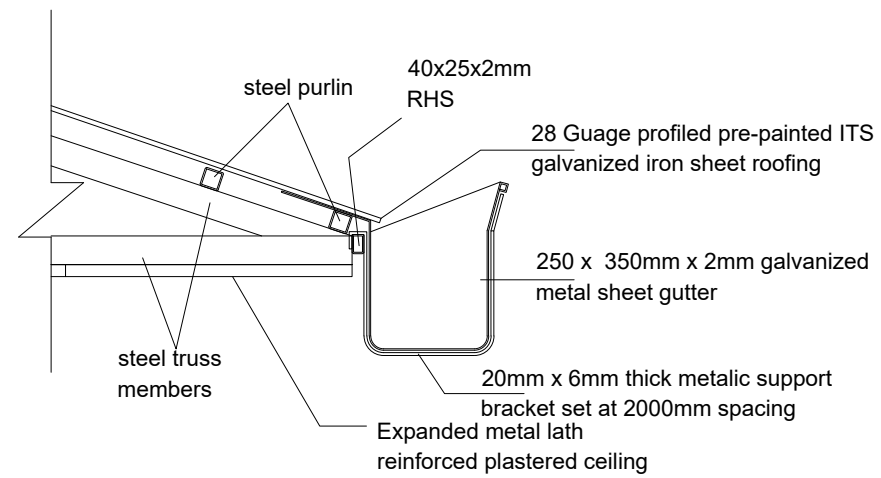
BEAM TO TRUSS J BOLT DETAILS
SCALE 1:5



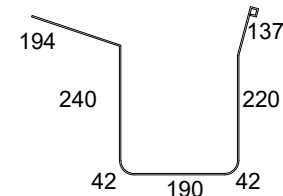
PURLIN TO G.I SHEET J BOLT DETAILS
SCALE 1:5

DOOR SCHEDULE	
Door Name	D1
Quantity	3
Frame material	RHS steel frame 40mm x 40mm x 2mm
Frame finish	Painted with 2 coats of antirust paint & 2 coats of enamel paint
Door leaf construction	90D opening made of 1.5mm MS plate
Burglar Proofing	RHS 25X25X2 mm vertical steel bars at equal intervals welded to interior of frames
Ironmongry	Stainless steel parliament hinges, door lock with pull - push bar handle
Louver	0.5mm thick steel louvers welded at top to the frame. Louvers to be covered with approved mosquito net.

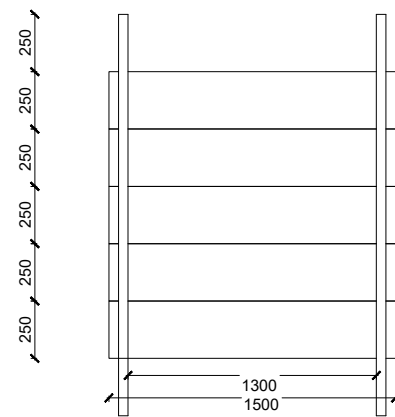
WINDOW SCHEDULE	
Window Name	W1
Quantity	9
Frame material	RHS steel frame 40mm x 40mm x 2mm
Frame finish	Painted with 2 coats of antirust paint & 2 coats of enamel paint
Glazing	1.5mm MS plate
Burglar proofing	RHS 25X25X2mm vertical steel bars at equal intervals welded to interior of frames
Ironmongry	Stainless steel parliament hinges, window lock with bar handle
Louvers	0.5mm thick steel louvers welded to RHS frame. Louver to be covered with approved mosquito net.



Detail 01: Overhung Gutter Detail
sc. 1:8



Gutter Development
total Length = 1065mm
sc. 1:8



TYPICAL STEP WITH HANDRAIL PLAN
Scale 1:20

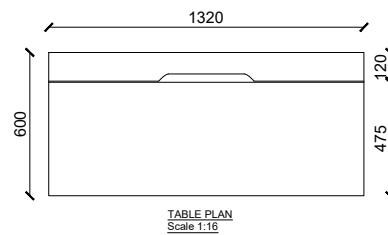
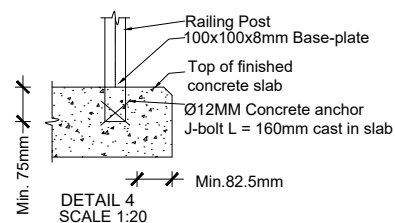
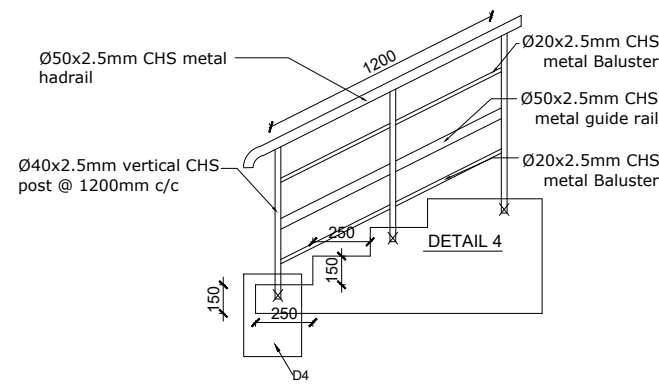
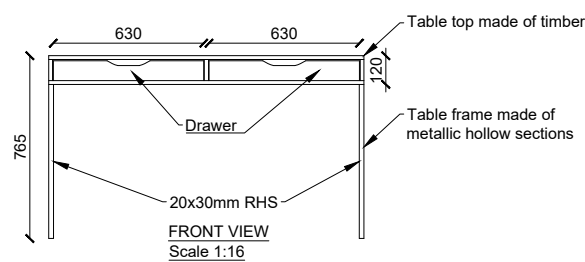
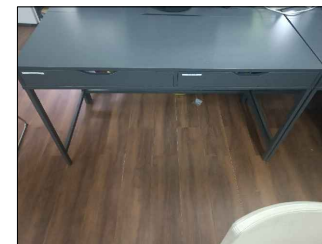


TABLE PLAN
Scale 1:16



FRONT VIEW
Scale 1:16



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Program

Enhancing Community Resilience and Local Governance Project

Client:
GOVERNMENT OF SOUTH SUDAN

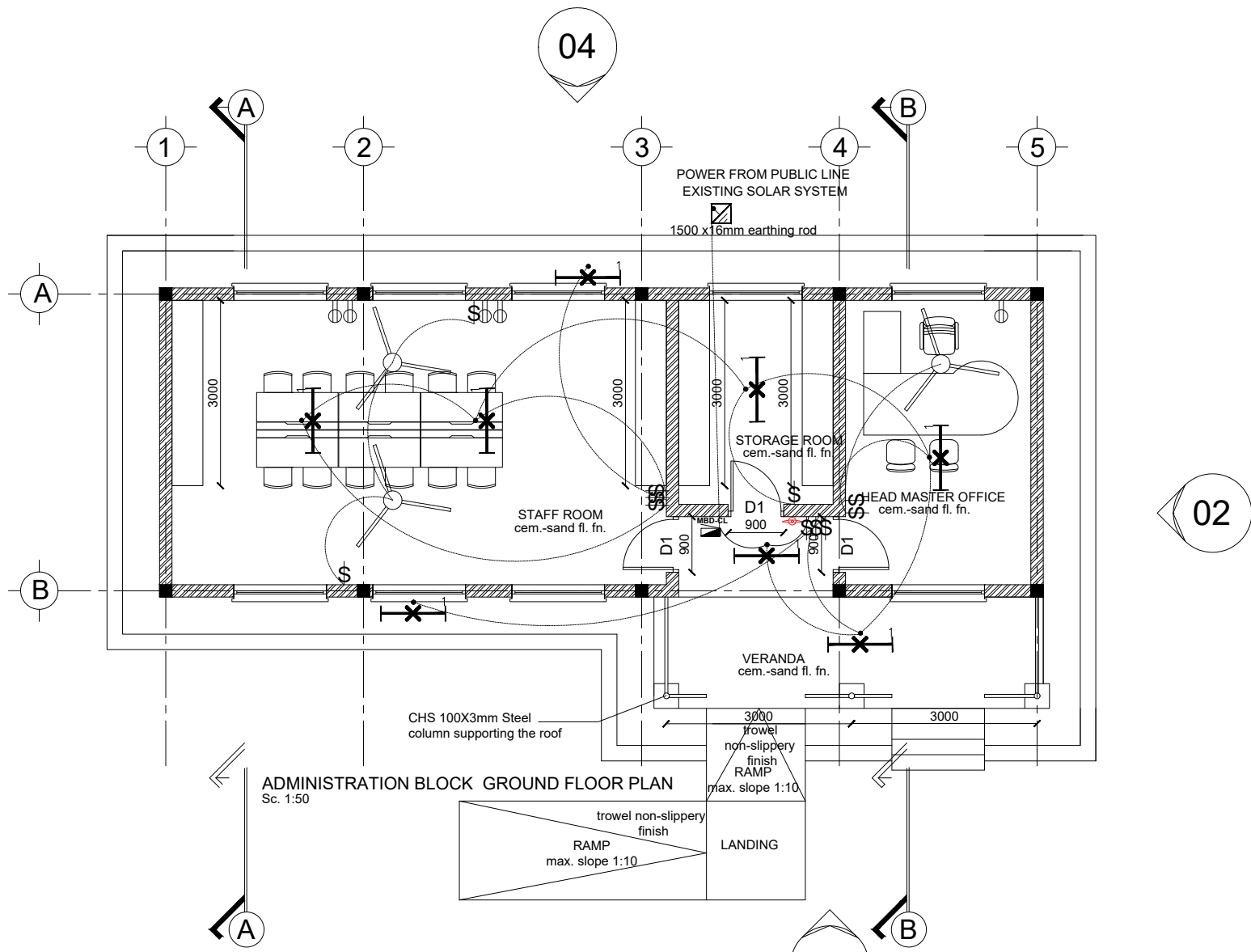
Implemented By:

IOM
UN MIGRATION

Project:
PROPOSED ADMINISTRATION BLOCK

Drawing Title
DOOR AND WINDOWS SCHEDULE, GUTTER, STAIR

Designed By: H.A	Drawn by: H.A
Checked: F.E & G.O	Approved: ----
Sheet #: 10/12	Scale: AS SPECIFIED
Date: 6 August 2024	Rev: 0

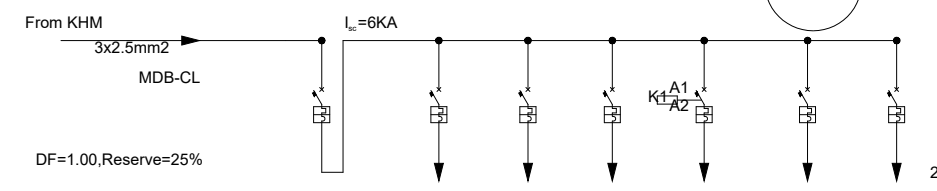


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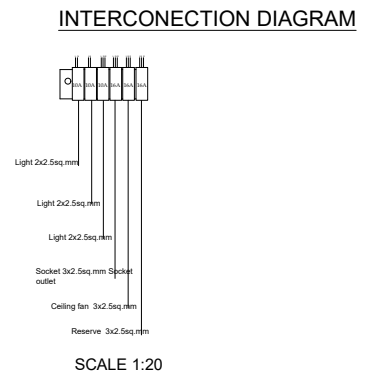
Rev:	Date	Description:	Approved
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LIGHT FITTINGS SCHEDULE AND LEGEND

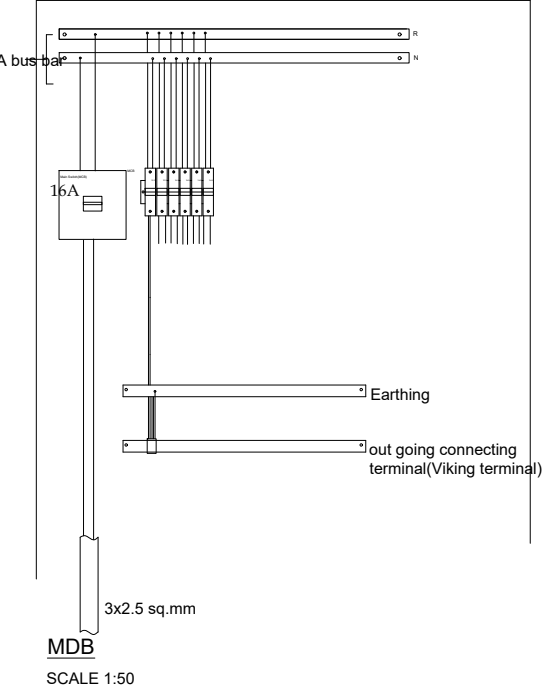
	Florescent fixture complete with lamp , electronic ballast 2x30 w,2350lm
	16A SINGLE SOCKET OUTLET WITH 3X2.5MM2 fixed above 40cm
	SINGLE SWITCH 220Vac 10A/1P mounted 1.4@AFFL
	DOUBLE SWITCH 220Vac 10A/1P mounted 1.4m@AFFL
	Distribution Board (Flush mounted)
	Earthing Rod in Manhole
	Manhole
	6kg portable for class 'ABC' fire extinguisher
	Ceiling fan
	Ceiling fan control



CIRCUIT NUMBER	No	Main Breaker	1	2	3	4	5	6
DESCRIPTION		Main Breaker	Lighting	Lighting	Lighting	Socket	Ceiling fan	Spare
POWER	KW	1.26	0.36	0.36	0.36	0.4		
CURRENT	A							
PHASE	R	R	R	R	R	R	R	R
VOLTAGE	V	220	220	220	220	220	220	220
CIRCUIT BREAKERS	POLES	1	1	1	1	1	1	1
	INTERRUPTING RATING	A	10	10	10	16	16	16
CABLE SIZE	mm ²	3x2.5	2x2.5	2x2.5	2x2.5	3x2.5	3x2.5	3x2.5



MDB-(ADMINISTRATION BLOCK) INTERNAL WIRING DIAGRAM



Program

Client:

GOVERNMENT OF SOUTH SUDAN

Implemented By:

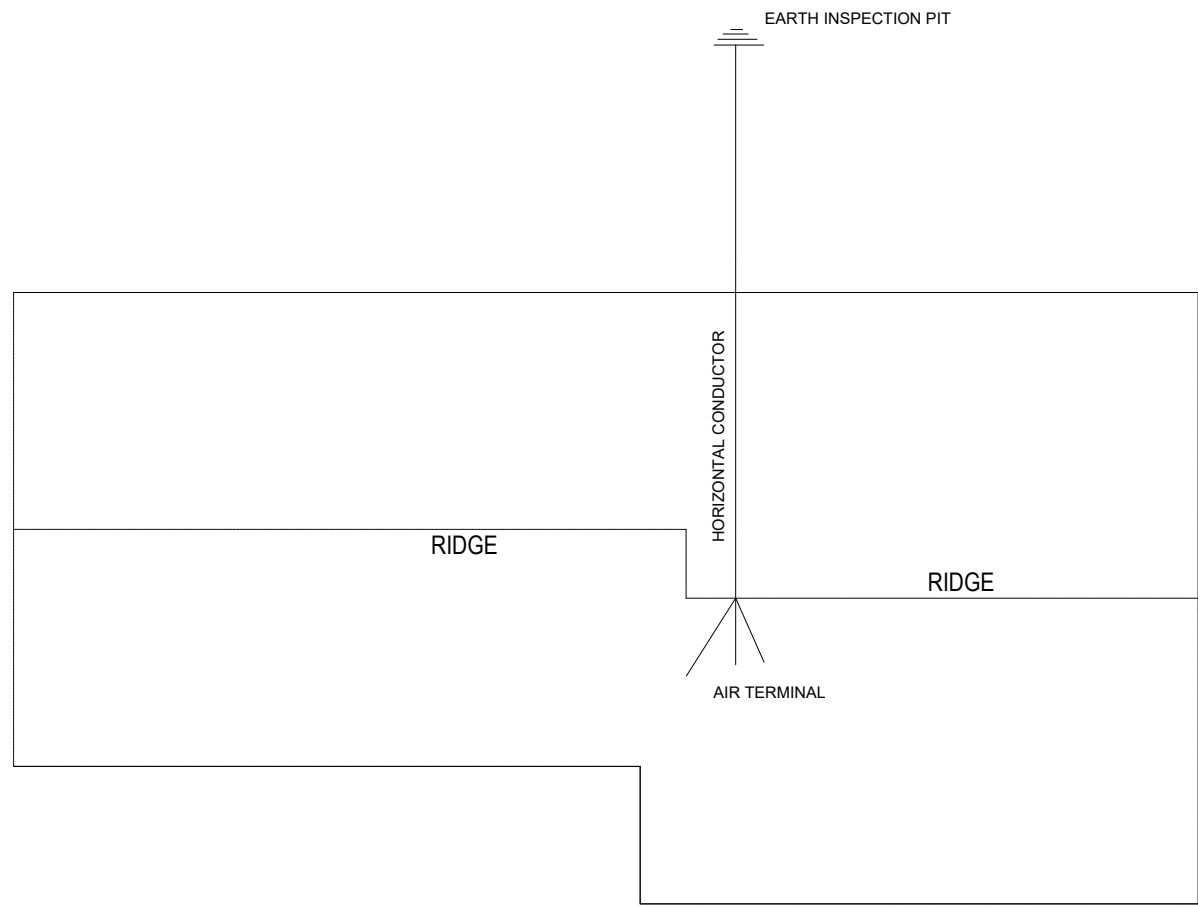
Project:

PROPOSED ADMINISTRATION BLOCK

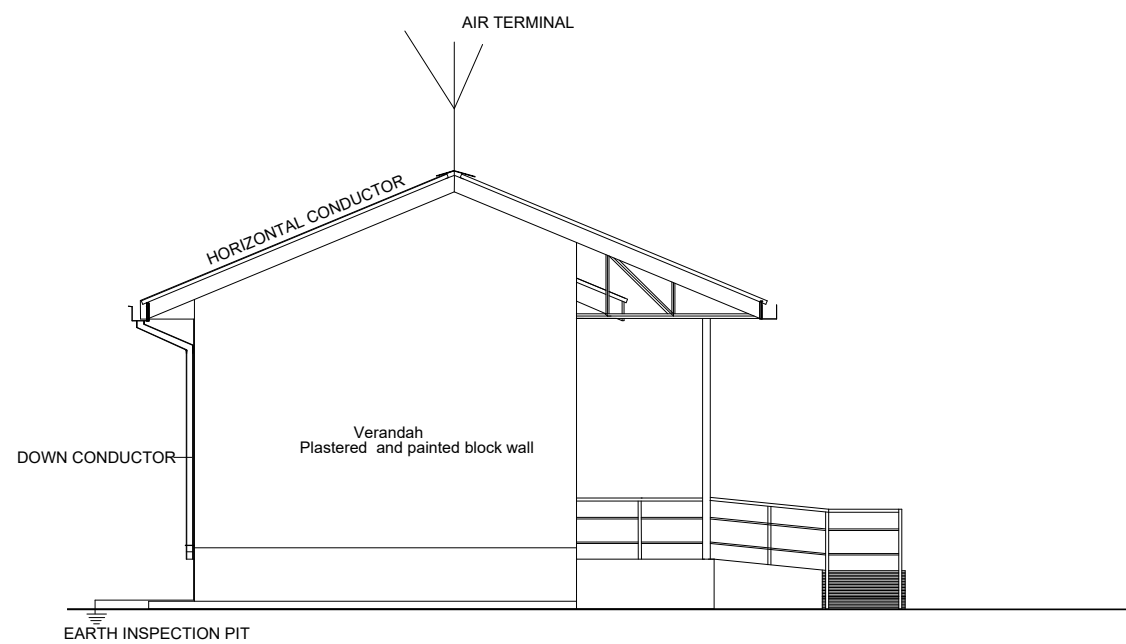
Drawing Title

ELECTRICAL DETAILS

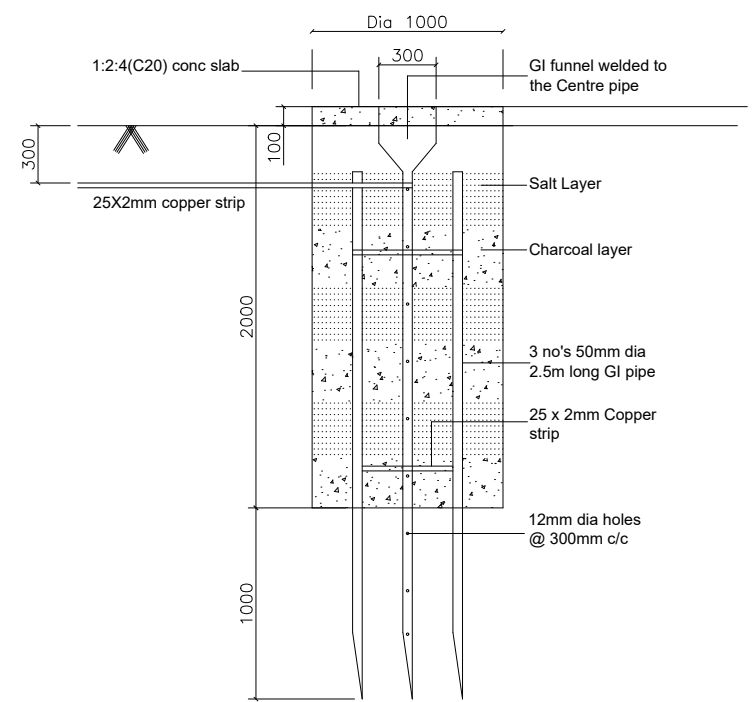
Designed By: H.A	Drawn by: H.A
Checked: F.E & G.O	Approved: ----
Sheet #: 11/12	Scale: AS SPECIFIED
Date: 6 August 2024	Rev: 0



LIGHTNING PROTECTION PLAN
Sc. 1:50



SIDE ELEVATION - 02
Sc. 1:50



EARTH PIT
Scale 1:20

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Program



Client:
GOVERNMENT OF SOUTH SUDAN

Implemented By:
IOM
UN MIGRATION

Project:
PROPOSED ADMINISTRATION BLOCK

Drawing Title
LIGHTNING PROTECTION SYSTEM

Designed By: H.A	Drawn by: H.A
Checked: F.E & G.O	Approved: ----
Sheet #: 12/12	Scale: AS SPECIFIED
Date: 6 August 2024	Rev: 0