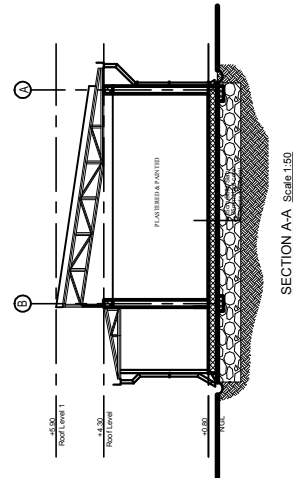
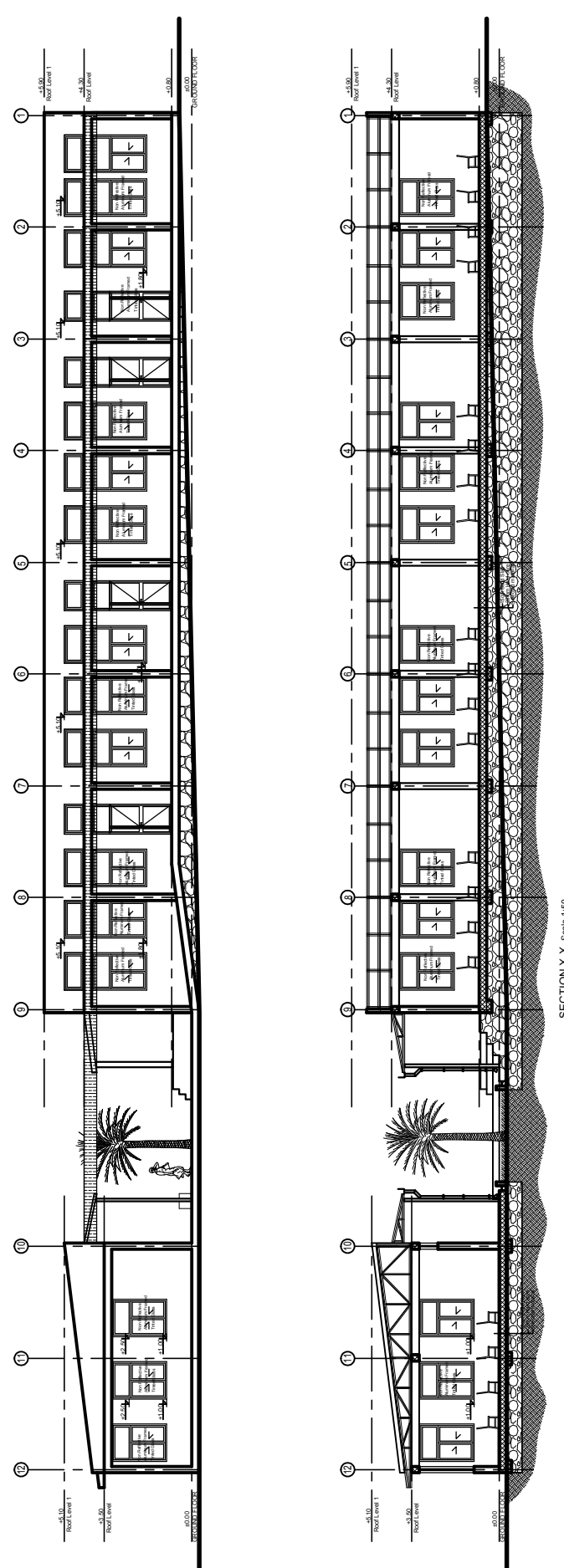
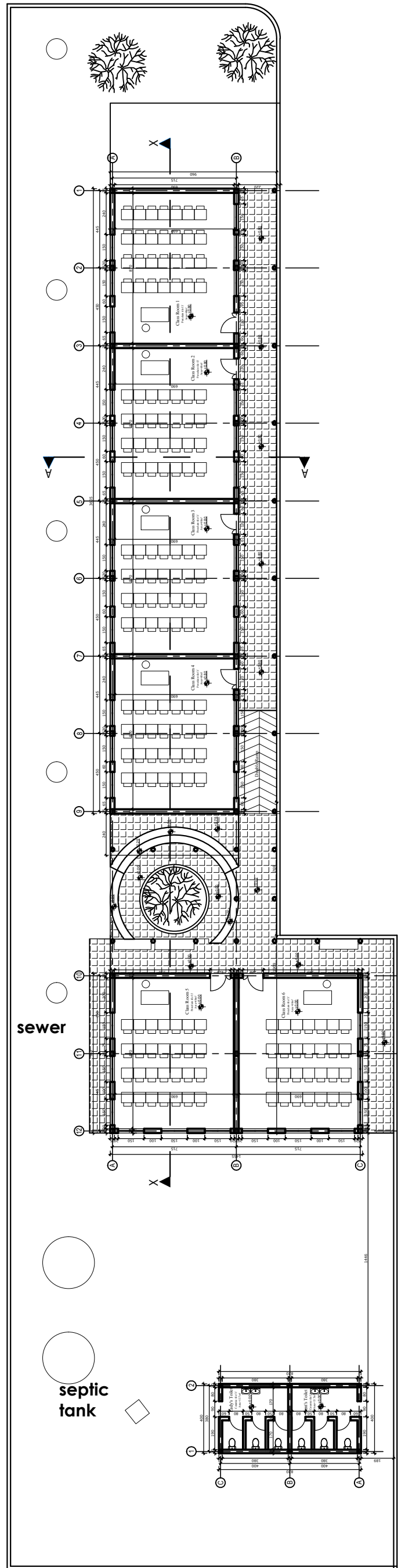


VOLUME 3
TECHNICAL SPECIFICATIONS
LOT 1



GENERAL NOTES

- _____
- _____
- _____
- _____
- _____
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- _____
- _____
- _____
- _____

No.	REVISION / ISSUE	DATE

Solomon Tesfay

ARCHITECTURAL DESIGN
CLASSROOM BLOCK FOR WOLISSO NURSING

Project Address
 Location: Kebele / Wereda:
 Sub city: - House No.: -
 Parcel No.: -
 Title Deed no.: -

Project Owner
DOCTORS WITH AFRICA - CUAMM

Drawing Title
General Plan

Project Status
 New Modification As Built

Designed By
Solomon Tesfay
 PPSTE/1828

Drawn By
Staff

Checked By
Staff

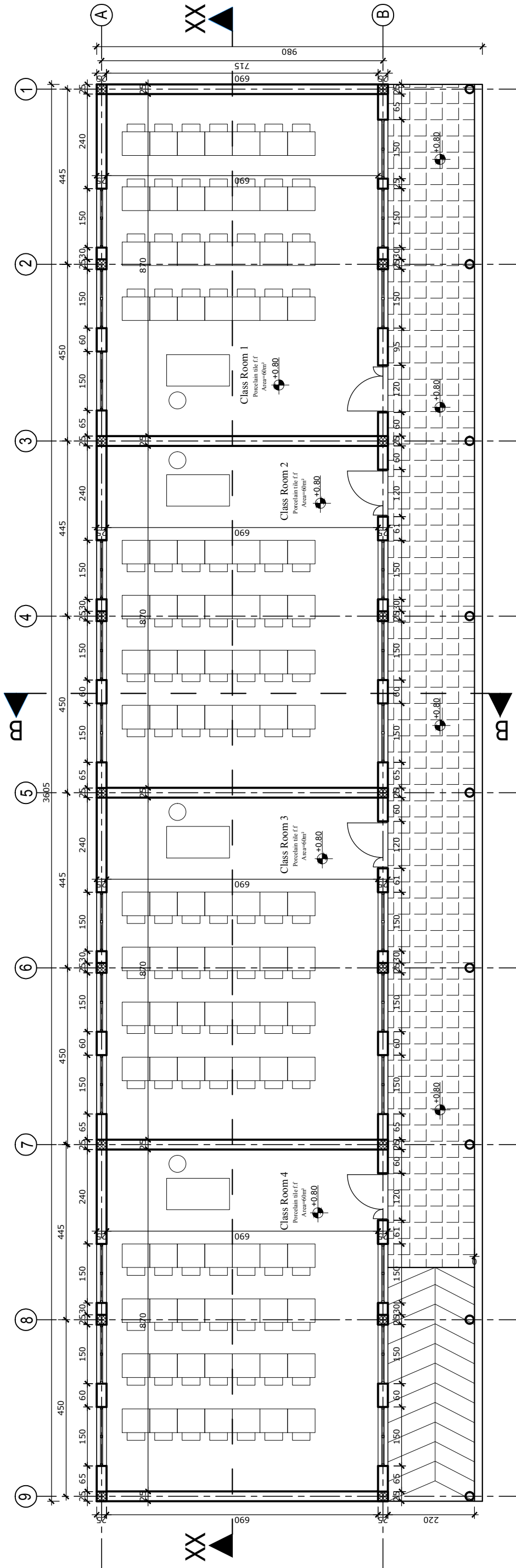
Scale
1:150

Date
Apr-2023

Project No.

Drawing No.
AR 02/10

Paper Size
ISO A1



Ground Floor Plan Scale: 1:50
Class Rooms Block (A)

GENERAL NOTES

- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____

No.	REVISION / ISSUE	DATE

Solomon Tesfay

ARCHITECTURAL DESIGN

Project Name
CLASSROOM BLOCK FOR WOLISSO NURSING

Project Address
Location:
Sub city: - Kebele / Wereda:
Parcel No.: - House No.: -
Title Deed no.: -

Project Owner
DOCTORS WITH AFRICA - CUAMM

Drawing Title
Ground Floor Plan (Block-A)

Project Status
 New Modification As Built

Designed By
Solomon Tesfay
PPSTE/1828

Drawn By
Staff

Checked By
Staff

Scale
1:50

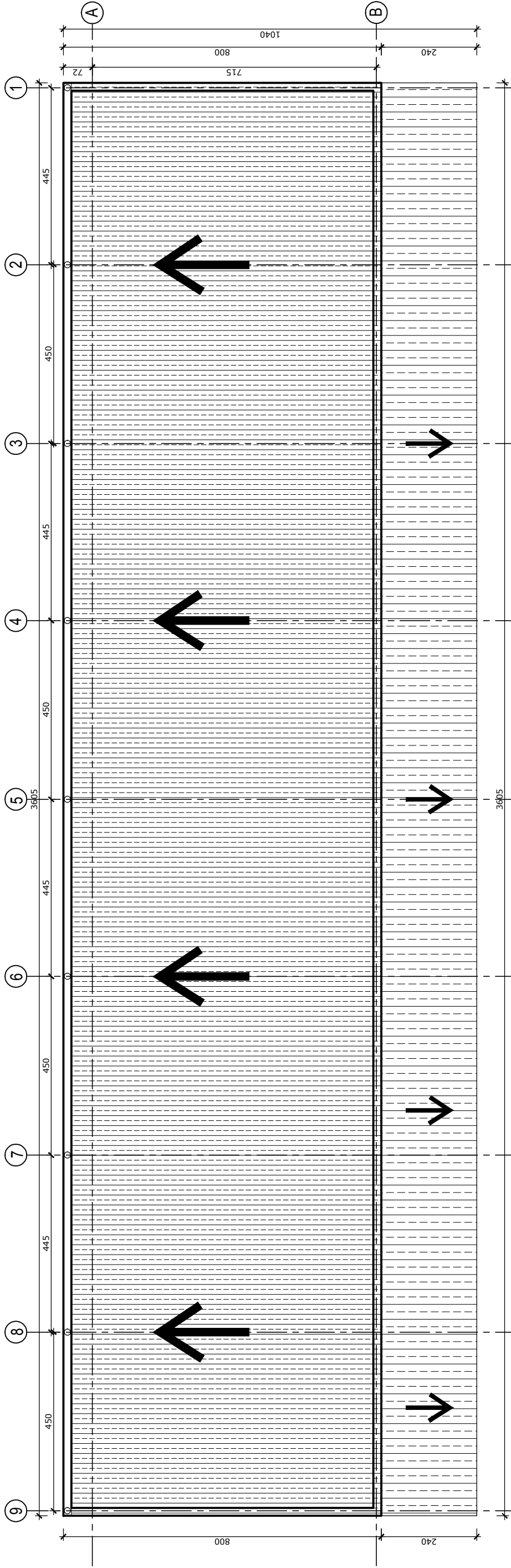
Date
Apr-2023

Project No.

Drawing No.
AR

03/10

Paper Size
ISO A1



Roof Plan Scale: 1:50
Class Rooms Block (A)

GENERAL NOTES

No.	REVISION / ISSUE	DATE

Solomon Tesfay

ARCHITECTURAL DESIGN

Project Name
CLASSROOM BLOCK
FOR WOLISSO NURSING

Project Address
Location:
Sub city: - Kebele / Wereda:
Parcel No.: - House No.: -
Title Deed no.: -

Project Owner
DOCTORS WITH AFRICA - CUAMM

Drawing Title
Roof Plan (Block-A)

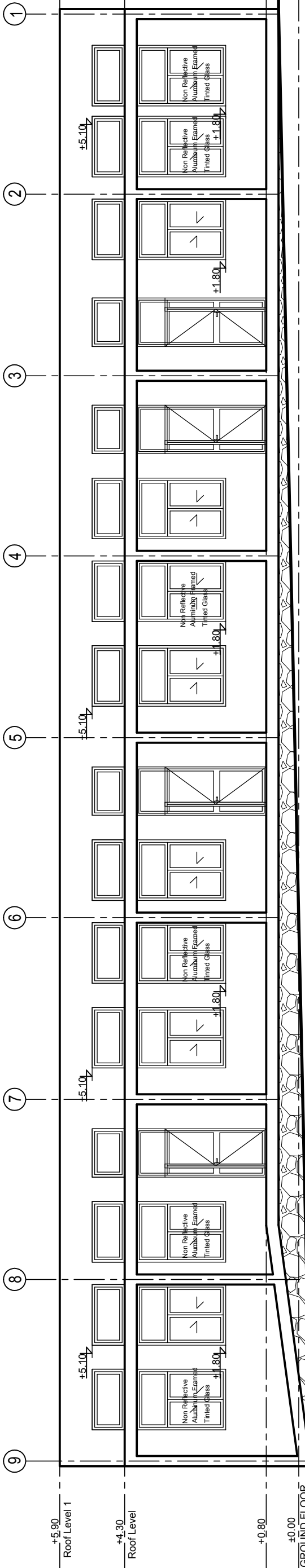
Project Status
 New Modification As Built

Designed By
Solomon Tesfay
PPSTE/1828

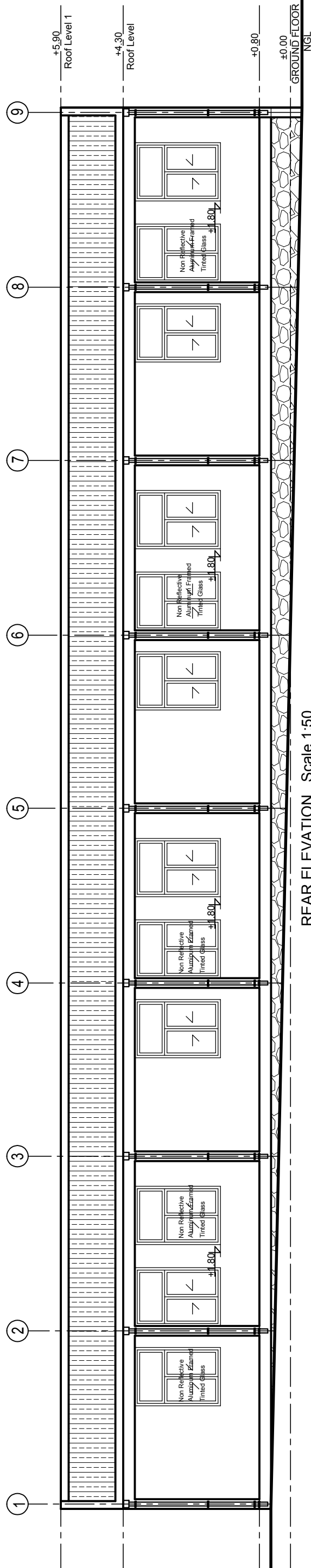
Drawn By
Staff

Checked By
Staff

Scale 1:50	Drawing No. AR 04/10
Date Apr-2023	
Project No.	Paper Size ISO A1



FRONT ELEVATION Scale 1:50
Class Rooms Block (A)



REAR ELEVATION Scale 1:50
Class Rooms Block (A)

GENERAL NOTES

No.	REVISION / ISSUE	DATE

Solomon Tesfay

ARCHITECTURAL DESIGN

Project Name
CLASSROOM BLOCK FOR WOLISSO NURSING

Project Address
Location:
Sub city: - Kebele / Wereda:
Parcel No.: - House No.: -
Title Deed no.: -

Project Owner
DOCTORS WITH AFRICA - CUAMM

Drawing Title
Elevations (Block-A)

Project Status
 New Modification As Built

Designed By
Solomon Tesfay
PPSTE/1828

Drawn By
Staff

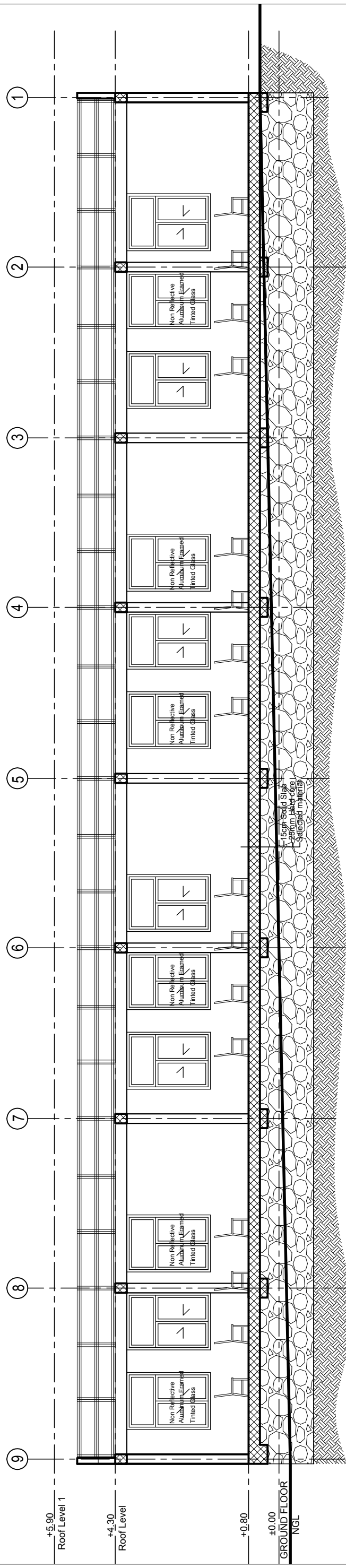
Checked By
Staff

Scale
1:50

Date
Apr-2023

Project No.

Drawing No.
AR 05/10
Paper Size
ISO A1



SECTION XX-XX Scale 1:50
Class Rooms Block (A)

GENERAL NOTES

No.	REVISION / ISSUE	DATE

Solomon Tesfay

ARCHITECTURAL DESIGN

Project Name
CLASSROOM BLOCK FOR WOLISSO NURSING

Project Address
Location:
Sub city: - Kebele / Wereda:
Parcel No.: - House No.: -
Title Deed no.: -

Project Owner
DOCTORS WITH AFRICA - CUAMM

Drawing Title
Section (Block-A)

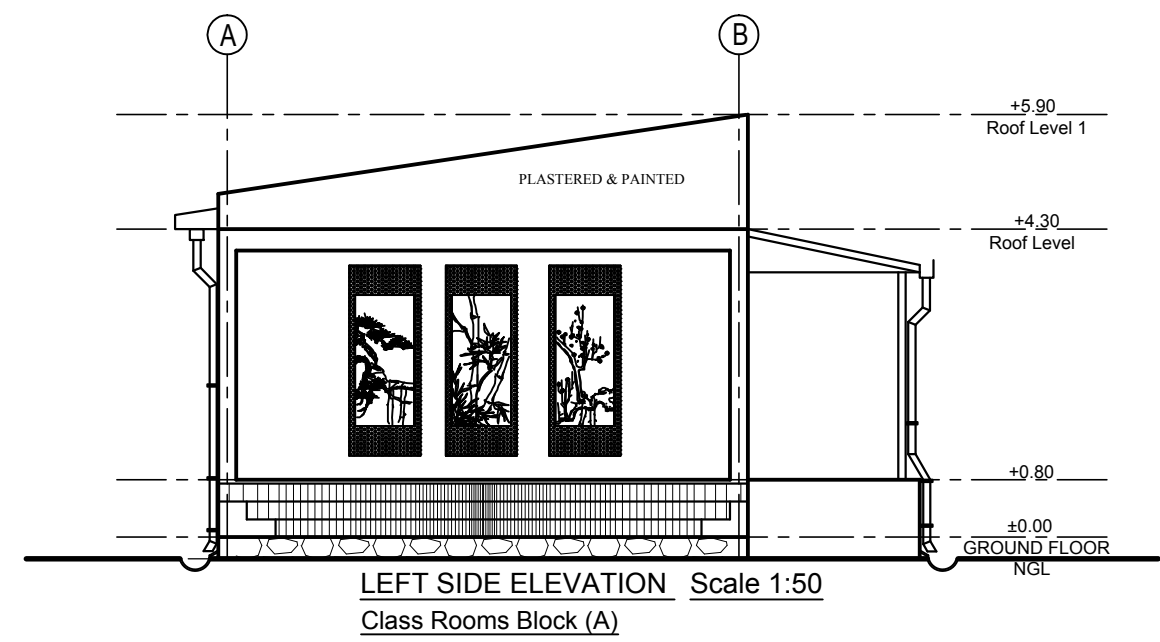
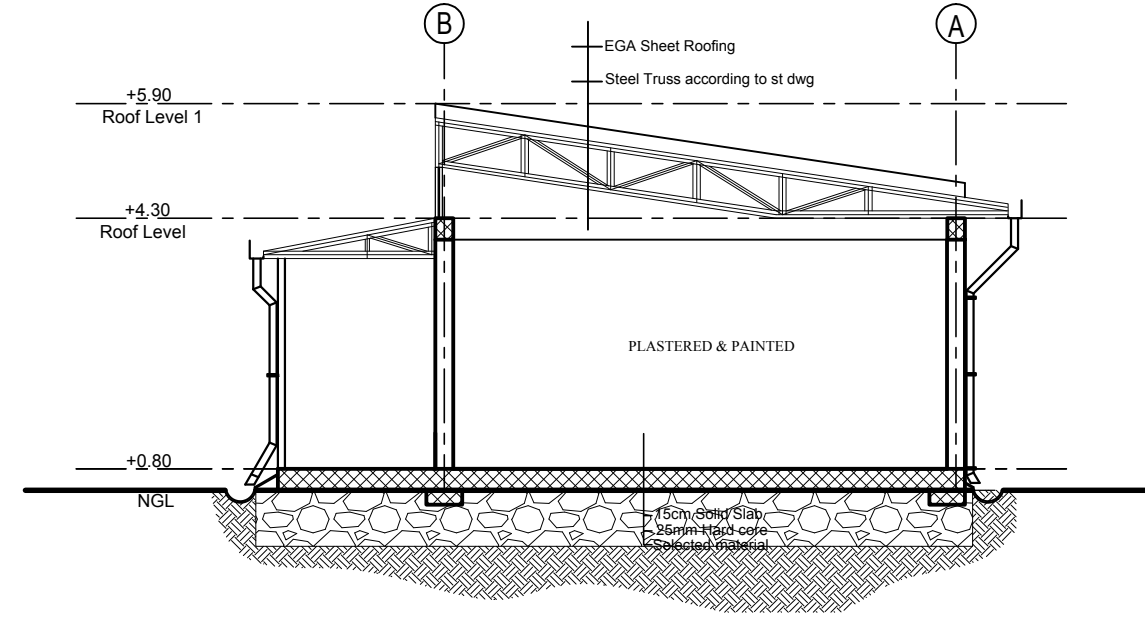
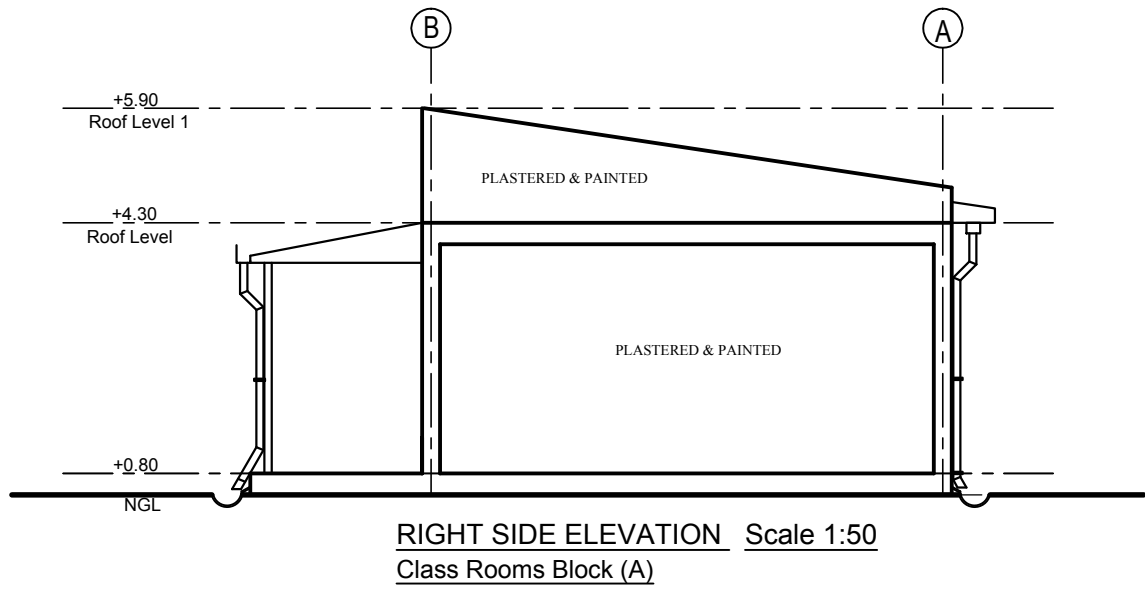
Project Status
 New Modification As Built

Designed By
Solomon Tesfay
PPSTE/1828

Drawn By
Staff

Checked By
Staff

Scale 1:50	Drawing No. AR
Date Apr-2023	06/10
Project No.	Paper Size ISO A1



GENERAL NOTES

No.	REVISION / ISSUE	DATE

Solomon Tesfay

ARCHITECTURAL DESIGN

CLASSROOM BLOCK FOR WOLISSO NURSING

Project Address
 Location: -
 Sub city: Kebele / Wereda: -
 Parcel No.: - House No.: -
 Title Deed no.: -

Project Owner
 DOCTORS WITH AFRICA - CUAMM

Drawing Title
 Section And Elevations (Block-A)

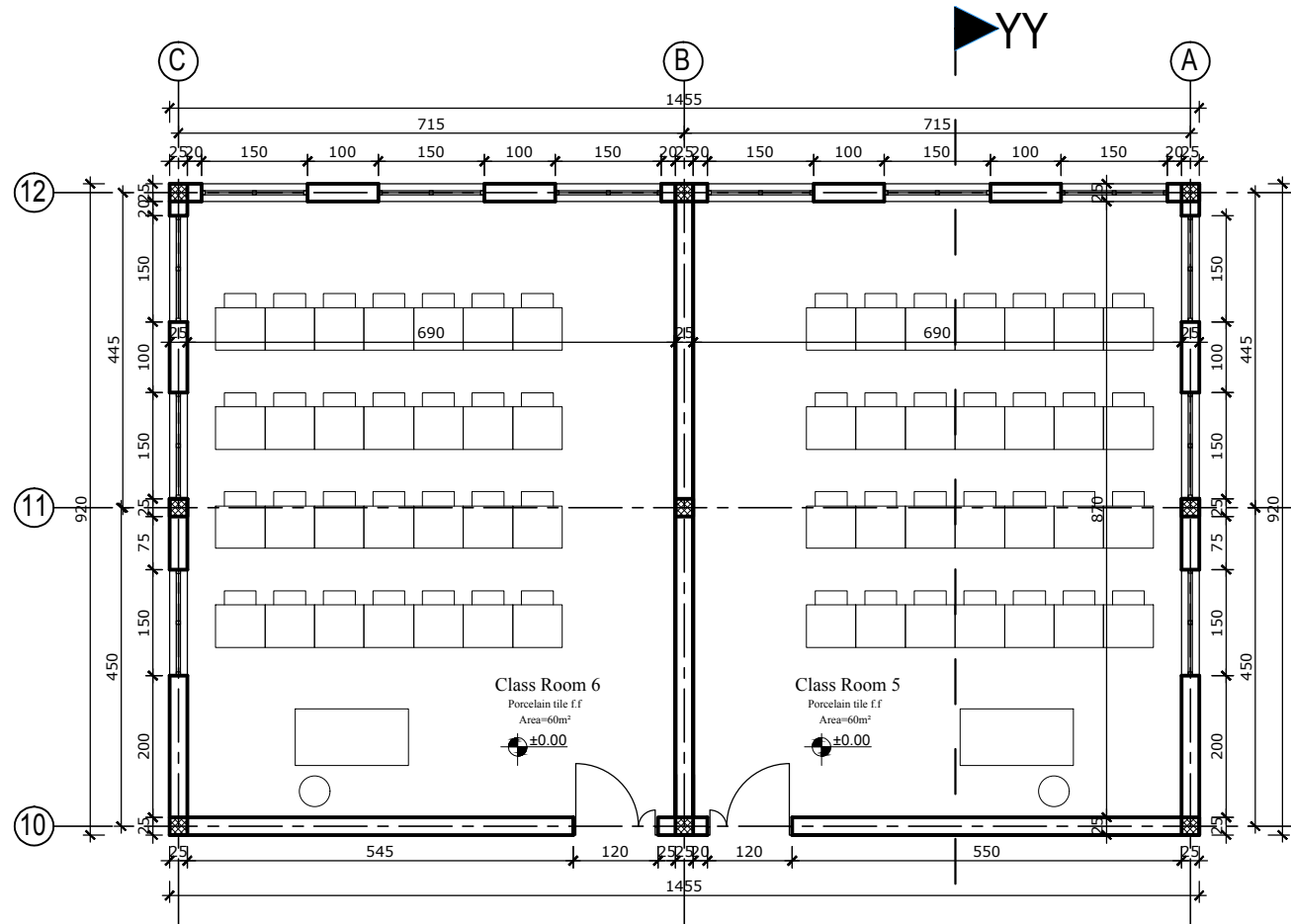
Project Status
 New Modification As Built

Designed By
 Solomon Tesfay
 PPST/1828

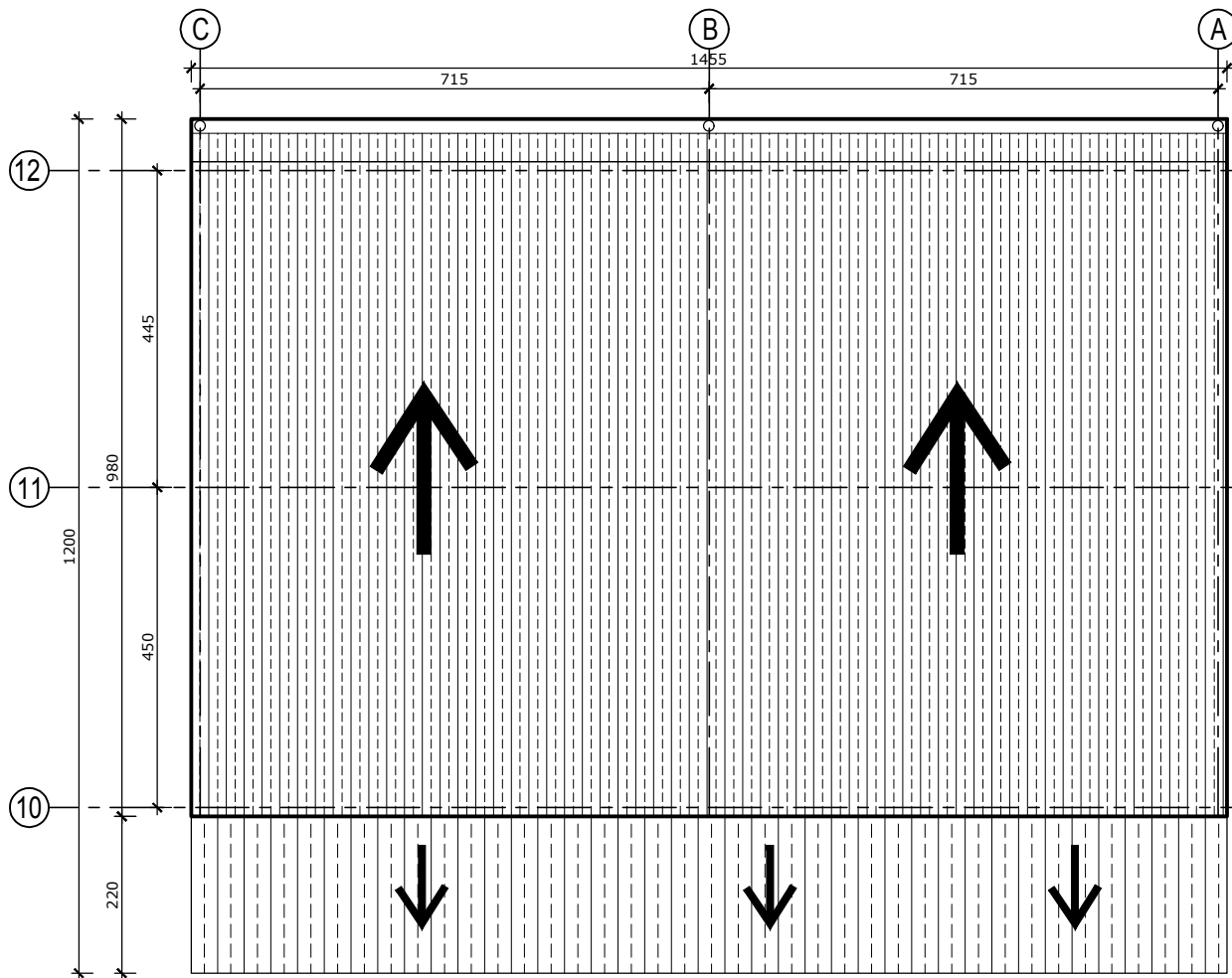
Drawn By
 Staff

Checked By
 Staff

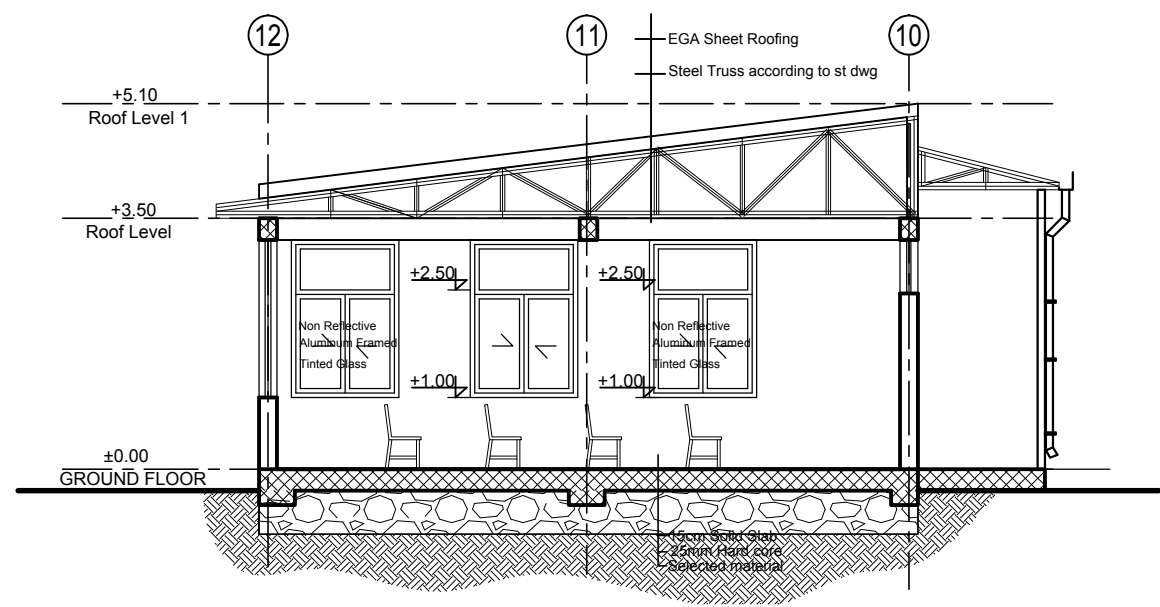
Scale 1:50	Drawing No. AR 07/10
Date Apr-2023	Paper Size ISO A1
Project No.	



Ground Floor Plan Scale 1:50
Class Rooms Block (B)



Roof Plan Scale 1:50
Class Rooms Block (B)



SECTION YY-YY Scale 1:50
Class Rooms Block (B)

GENERAL NOTES

No.	REVISION / ISSUE	DATE

Solomon Tesfay

ARCHITECTURAL DESIGN

CLASSROOM BLOCK FOR WOLISSO NURSING

Project Address
Location: Kebele / Wereda:
Sub city: - House No.: -
Parcel No.: -
Title Deed no.:

Project Owner
DOCTORS WITH AFRICA - CUAMM

Drawing Title
Ground Floor Plan And roof plan And Section (Block-B)

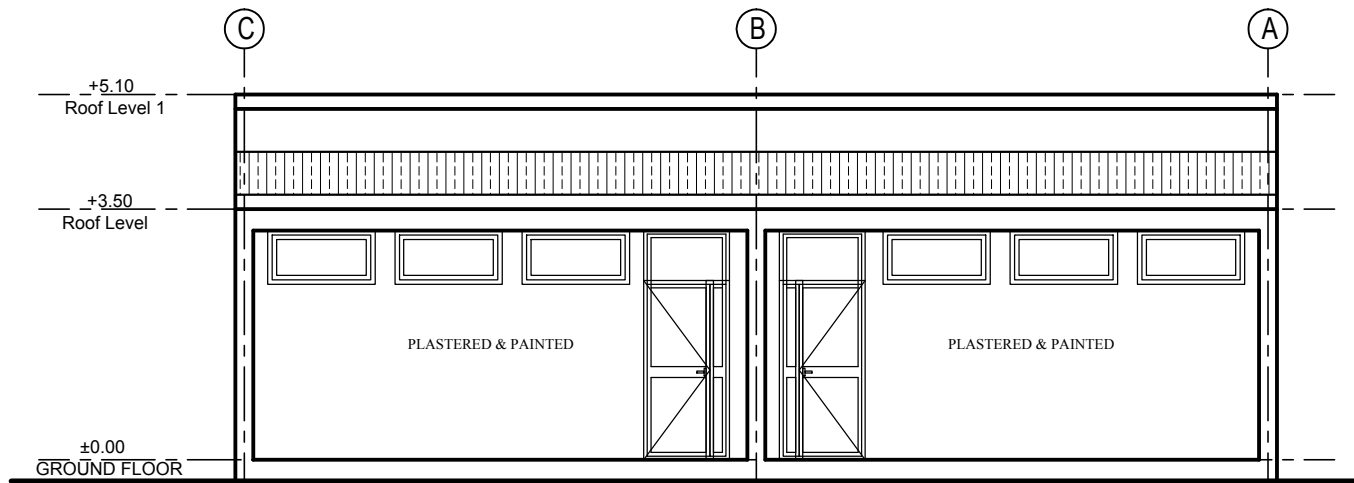
Project Status
 New Modification As Built

Designed By
Solomon Tesfay
PPST/1828

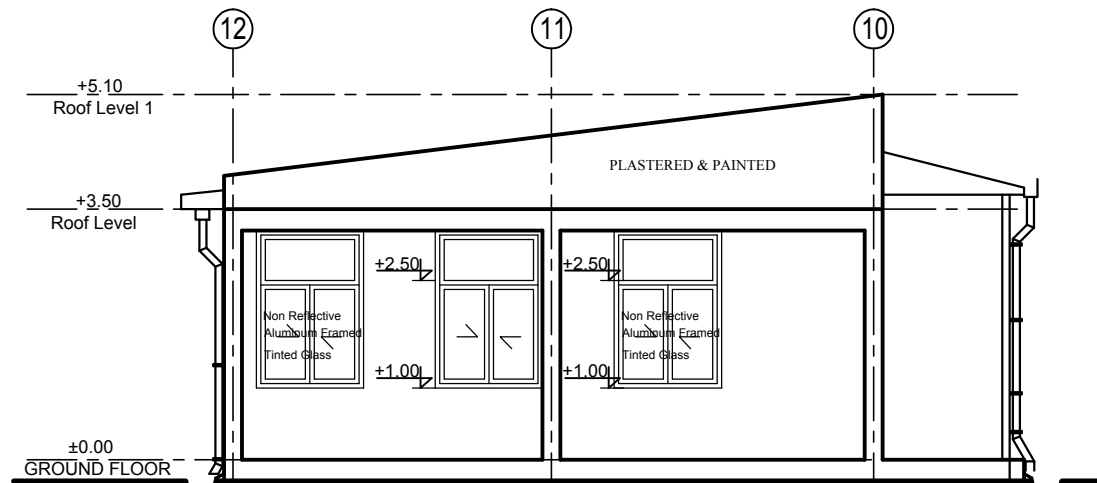
Drawn By
Staff

Checked By
Staff

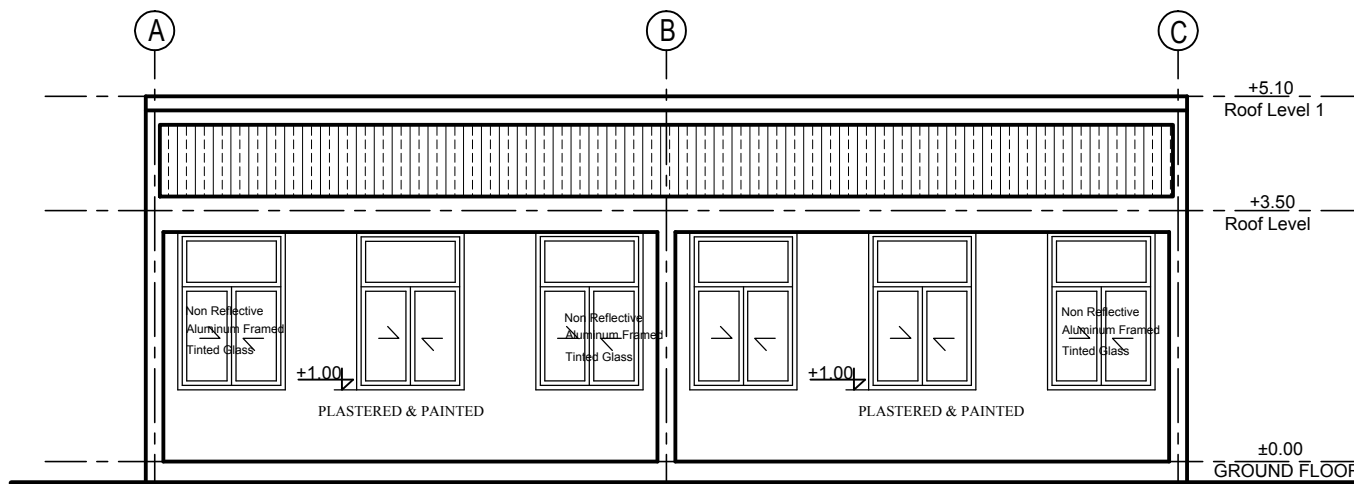
Scale 1:50	Drawing No. AR
Date Apr-2023	08/10
Project No.	Paper Size ISO A1



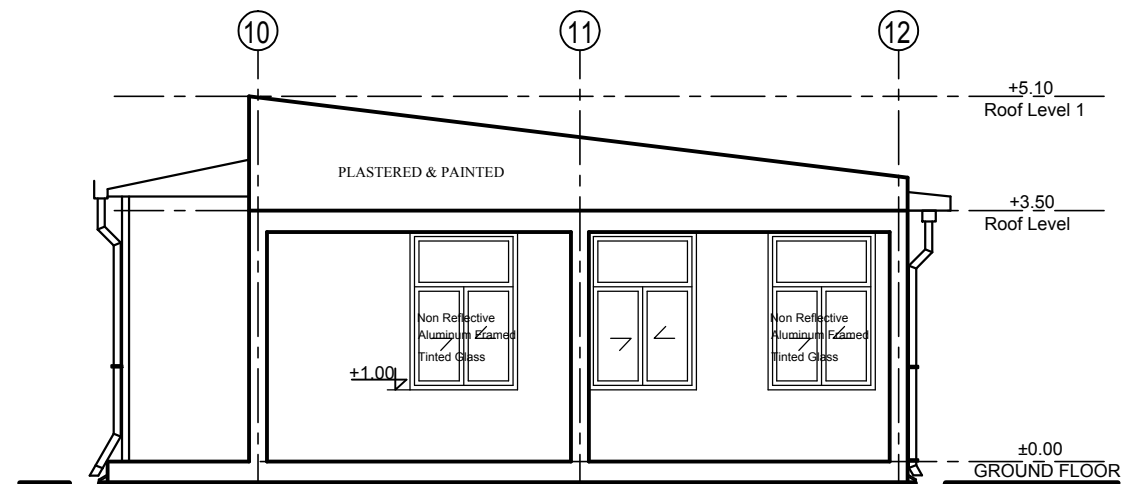
FRONT ELEVATION Scale 1:50
Class Rooms Block (B)



LEFT SIDE ELEVATION Scale 1:50
Class Rooms Block (B)



REAR ELEVATION Scale 1:50
Class Rooms Block (B)



RIGHT SIDE ELEVATION Scale 1:50
Class Rooms Block (B)

GENERAL NOTES

No.	REVISION / ISSUE	DATE

Solomon Tesfay

ARCHITECTURAL DESIGN

Project Name
CLASSROOM BLOCK FOR WOLISSO NURSING

Project Address
Location: Kebele / Wereda:
Sub city: - House No.: -
Parcel No.: -
Title Deed no.:

Project Owner
DOCTORS WITH AFRICA - CUAMM

Drawing Title
Elevations (Block-B)

Project Status
 New Modification As Built

Designed By
Solomon Tesfay
PPST/1828

Drawn By
Staff

Checked By
Staff

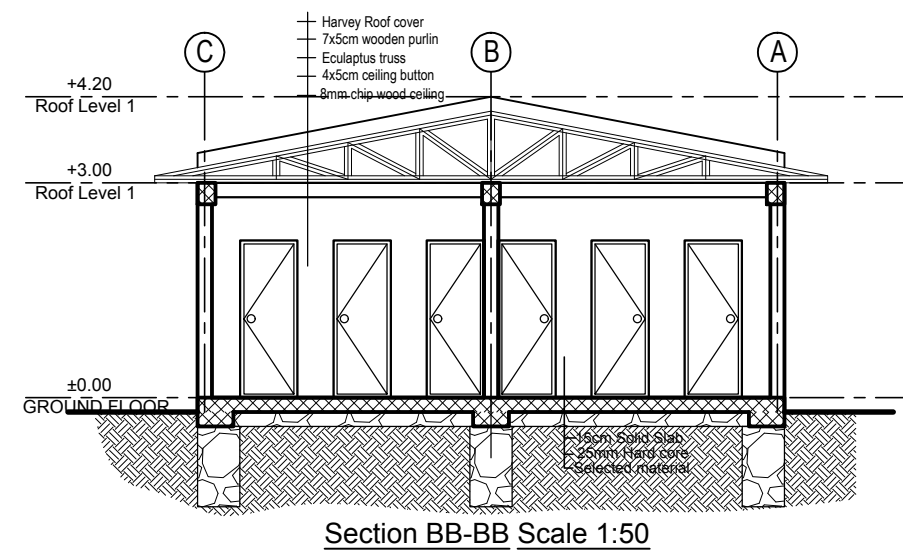
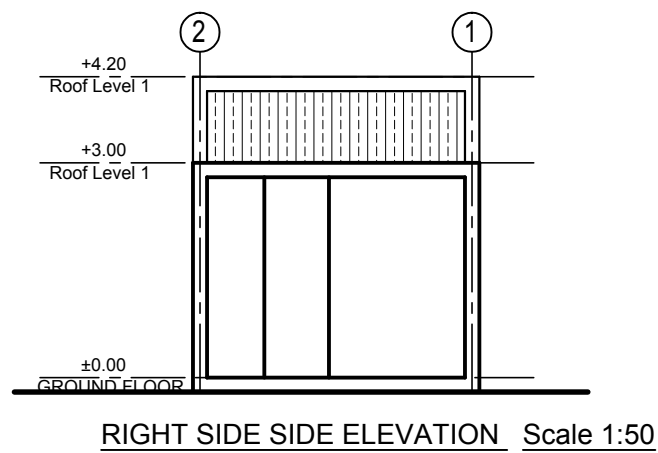
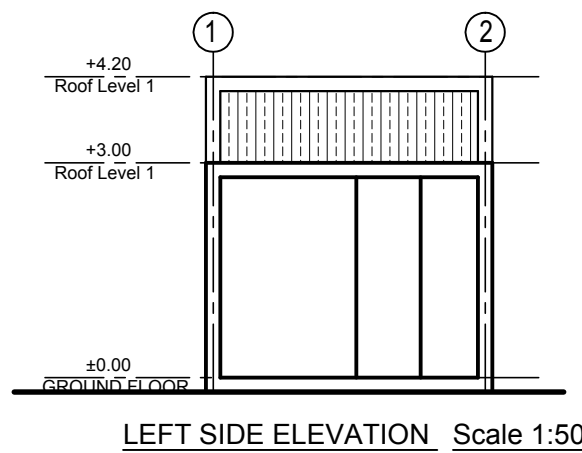
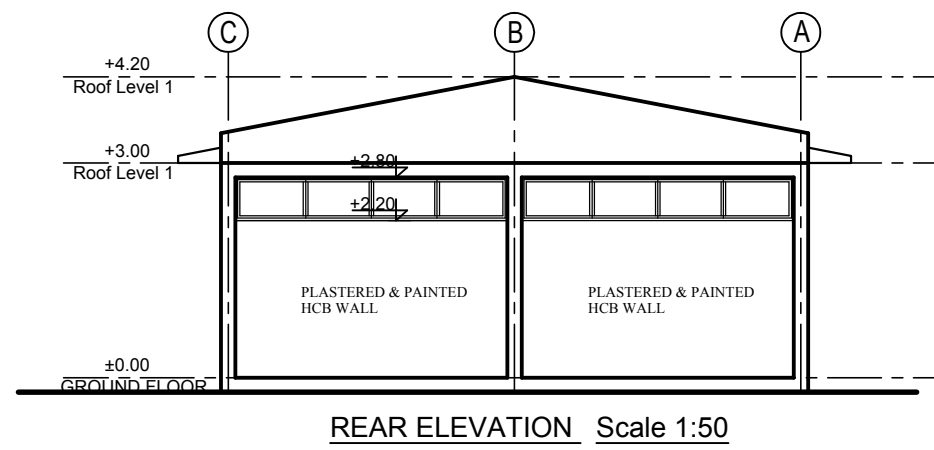
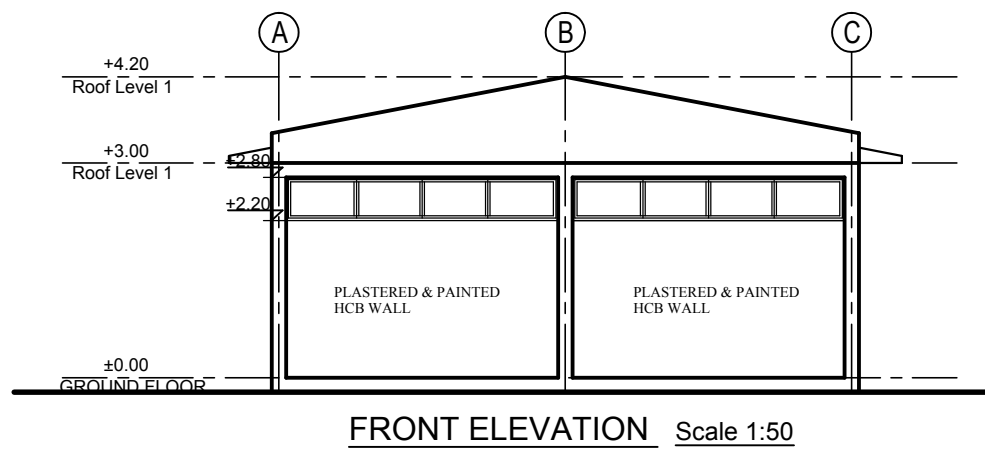
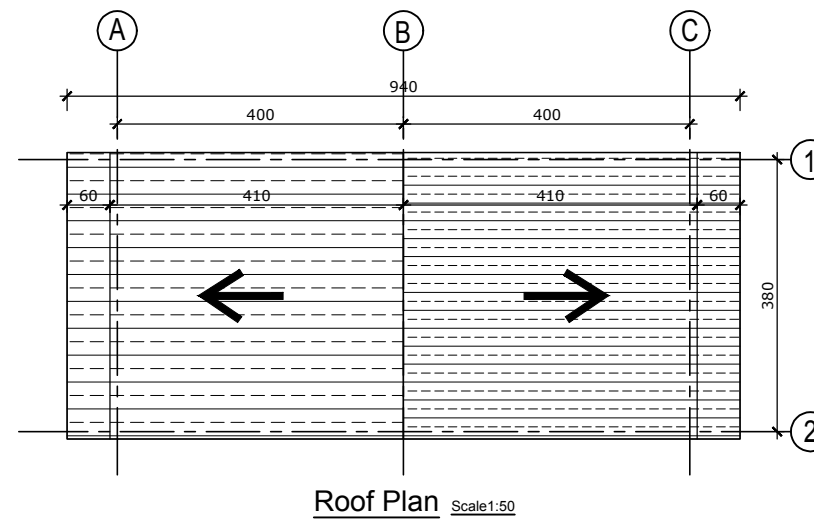
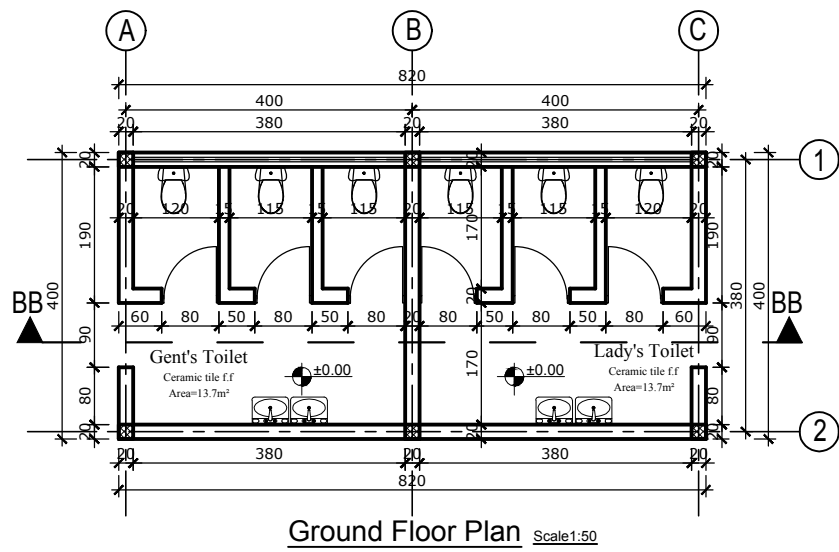
Scale
1:50

Date
Apr-2023

Project No.

Drawing No.
AR
09/10

Paper Size
ISO A1



GENERAL NOTES

No.	REVISION / ISSUE	DATE

Solomon Tesfay

ARCHITECTURAL DESIGN

Project Name
CLASSROOM BLOCK FOR WOLISSO NURSING

Project Address
Location: Kebele / Wereda:
Sub city: - House No.: -
Parcel No.: -
Title Deed no.:

Project Owner
DOCTORS WITH AFRICA - CUAMM

Drawing Title
Floor Plan , Elevation And Section

Project Status
 New Modification As Built

Designed By
Solomon Tesfay
PPST/1828

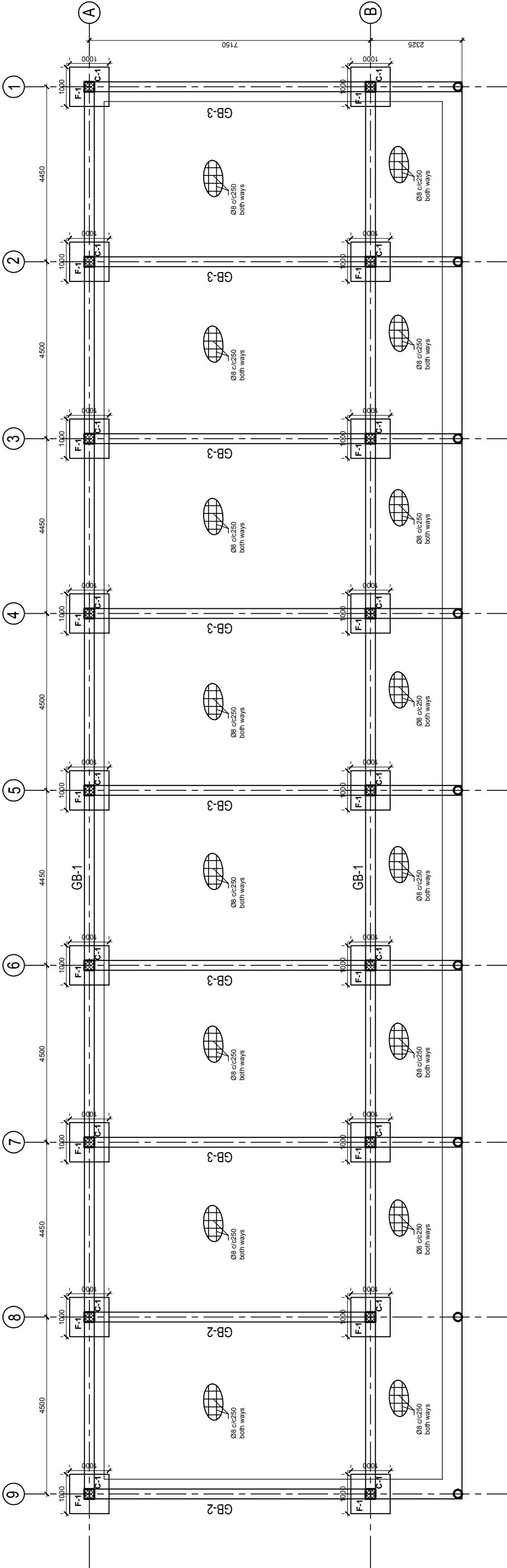
Drawn By
Staff

Checked By
Staff

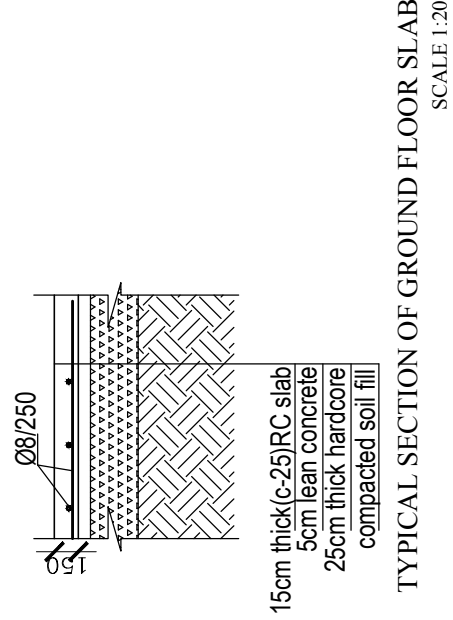
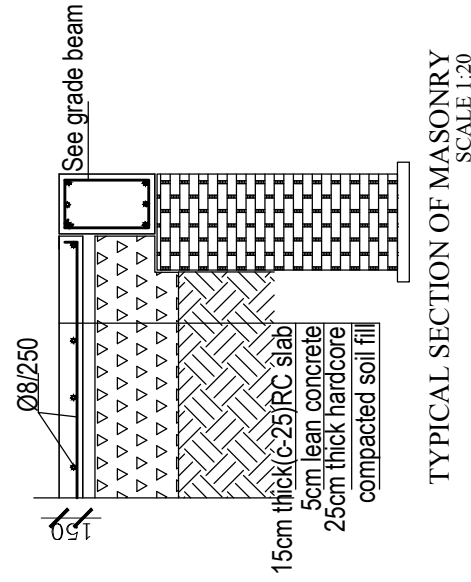
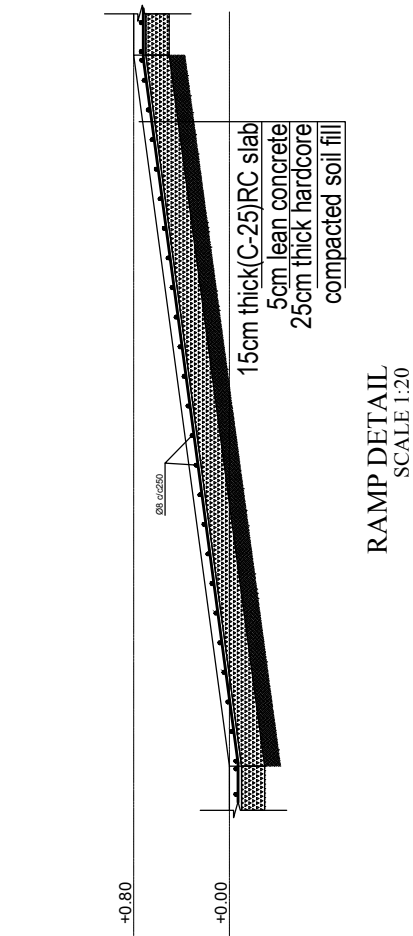
Scale
1:50

Date
Apr-2023

Project No. _____
Drawing No.
AR 10/10
Paper Size
ISO A1



GROUND FLOOR SLAB, COLUMN, FOUNDATION & BEAM LAYOUT & REINFORCEMENT (Slab Thickness 150mm) (Block A)

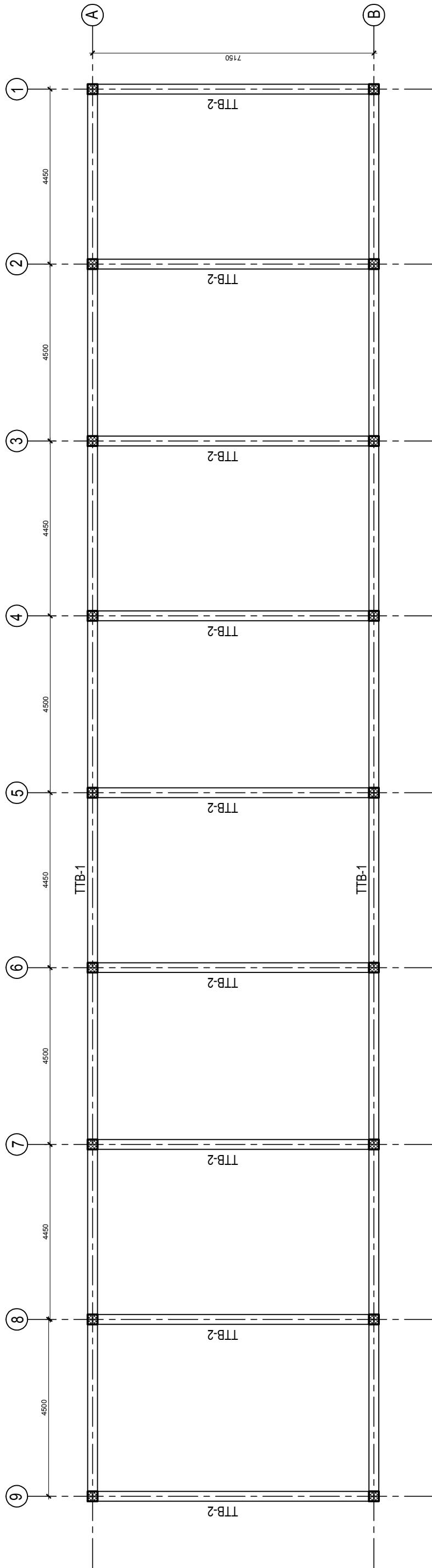


GENERAL NOTES

No.	REVISION / ISSUE	DATE

Solomon Tesfay

STRUCTURAL DESIGN	
Project Name CLASSROOM BLOCK FOR WOLISSO NURSING	
Project Address Location: Sub city: - Kebele / Wereda: Parcel No.: - House No.: - Title Deed no.: -	
Project Owner DOCTORS WITH AFRICA - CUAMM	
Drawing Title Ground Floor slab Reinforcement and Masonry Detail And Section	
Project Status <input checked="" type="checkbox"/> New <input type="checkbox"/> Modification <input type="checkbox"/> As Built	
Designed By Solomon Tesfay PPSTE/1828	
Drawn By Staff	
Checked By Staff	
Scale 1:150	Drawing No. ST 01/07
Date Apr-2023	Paper Size ISO A1
Project No.	



**ROOF BEAM LAYOUT PLAN
(Block A)**

GENERAL NOTES

No.	REVISION / ISSUE	DATE

Solomon T

STRUCTURAL DESIGN

Project Name
CLASSROOM BLOCK
FOR WOLISSO NURSING

Project Address
Location: _____
Sub city: _____ Kebele / Wereda: _____
Parcel No.: _____ House No.: _____
Title Deed no.: _____

Project Owner
Roof Beam Layout Plan

Drawing Title
General Plan

Project Status
 New Modification As Built

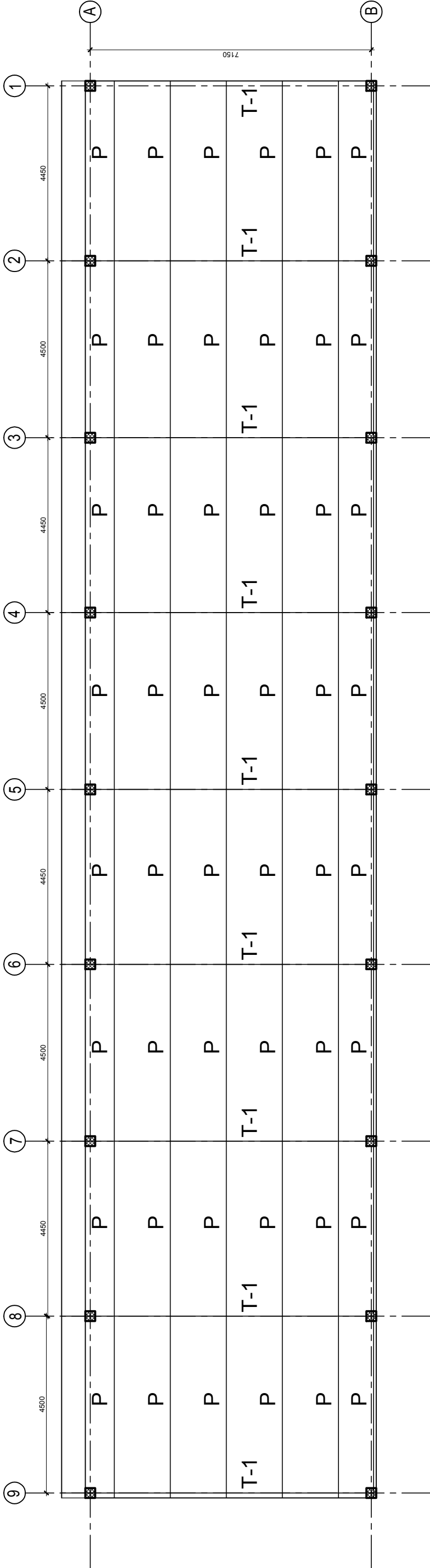
Designed By
Solomon Tesfay
PPSTE/1828

Drawn By
Staff

Checked By
Staff

Scale 1:150	Drawing No. ST 02/07
Date Apr-2023	Paper Size ISO A1

Project No. _____

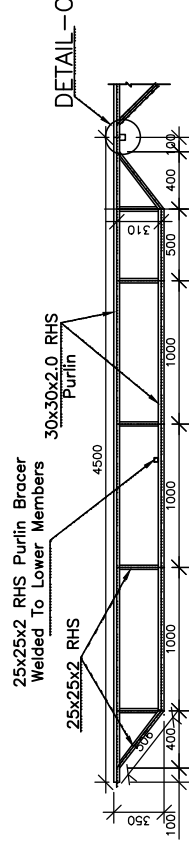


ROOF TRUSS LAYOUT PLAN (Block A)

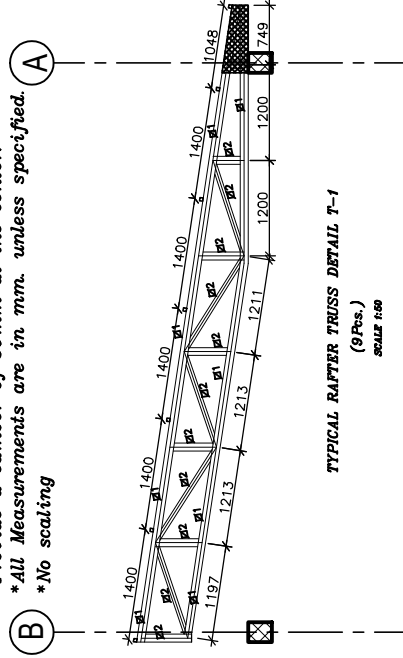
MATERIAL USED FOR TRUSSES
 1- TOP AND BOTTOM MEMBERS 80X80X3mm
 2- VERTICAL AND DIAGONAL MEMBERS 60X60X2.5mm

GENERAL NOTES

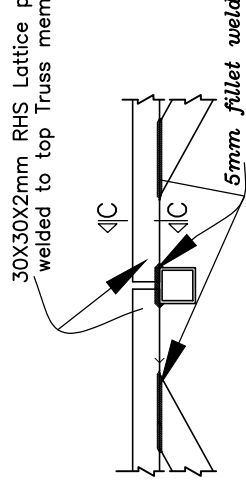
- *Minimum thickness of weld 3mm
- *Bolt strength as specified
- *Trusses should be welded when connected to each other
- *Use 5mm thick connection plate for length > 6m.
- *Provide a camber of 50mm at the center.
- *All Measurements are in mm. unless specified.
- *No scaling



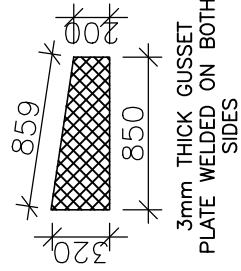
STANDARD PURLIN DETAIL (Welded Connection)
SCALE 1:25



TYPICAL RAFTER TRUSS DETAIL T-1
(9 Pcs.)
SCALE 1:20



DETAIL C
SCALE 1:5



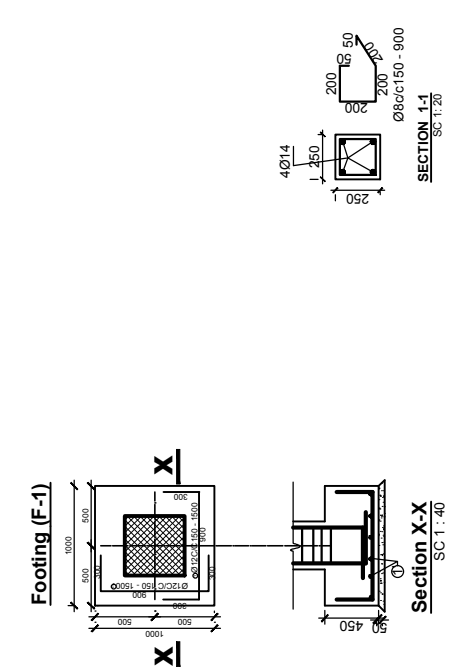
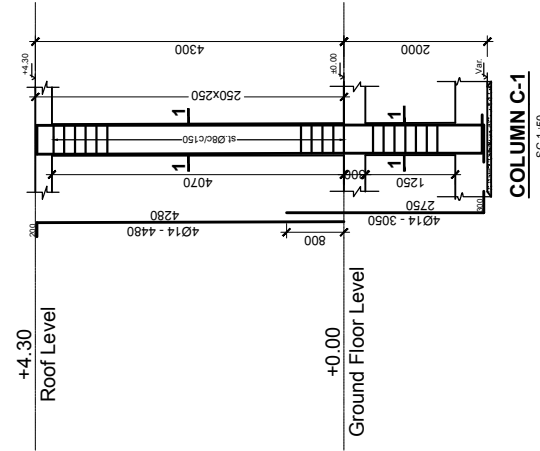
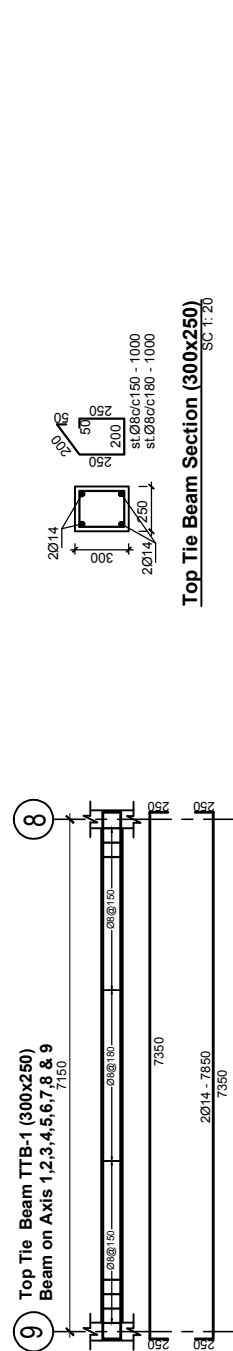
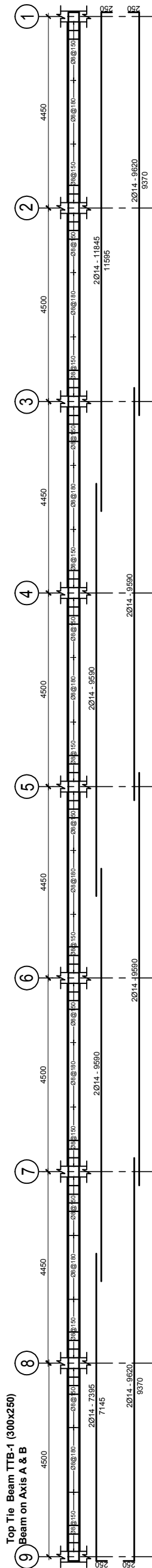
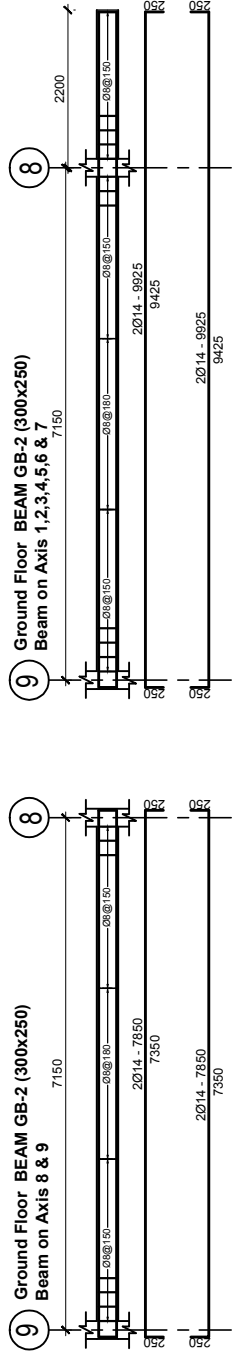
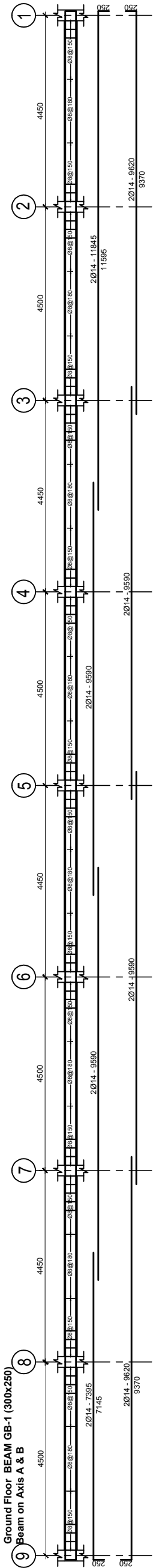
3mm THICK GUSSET
PLATE WELDED ON BOTH
SIDES

GENERAL NOTES

No.	REVISION / ISSUE	DATE

Solomon Tesfay

STRUCTURAL DESIGN	
Project Name CLASSROOM BLOCK FOR WOLISSO NURSING	
Project Address Location: Kebele / Wereda: Sub city: House No.: Parcel No.: House No.: Title Deed no.: -	
Project Owner DOCTORS WITH AFRICA - CUAMM	
Drawing Title Roof Truss Layout Plan	
Project Status <input checked="" type="checkbox"/> New <input type="checkbox"/> Modification <input type="checkbox"/> As Built	
Designed By Solomon Tesfay PPSTE/1828	
Drawn By Staff	
Checked By Staff	
Scale 1:150	Drawing No. ST 03/07
Date Apr-2023	Paper Size ISO A1
Project No.	



GENERAL NOTES

No.	REVISION / ISSUE	DATE

Solomon T.

STRUCTURAL DESIGN

Project Name
CLASSROOM BLOCK
FOR WOLISSO NURSING

Project Address
Location:
Sub city: Kebele / Wereda:
Parcel No.: - House No.: -
Title Deed no.: -

Project Owner
DOCTORS WITH AFRICA - CUAMM

Drawing Title
Beam Detail And Section

Project Status
 New Modification As Built

Designed By
Solomon Tesfay
PPSTE/1828

Drawn By
Staff

Checked By
Staff

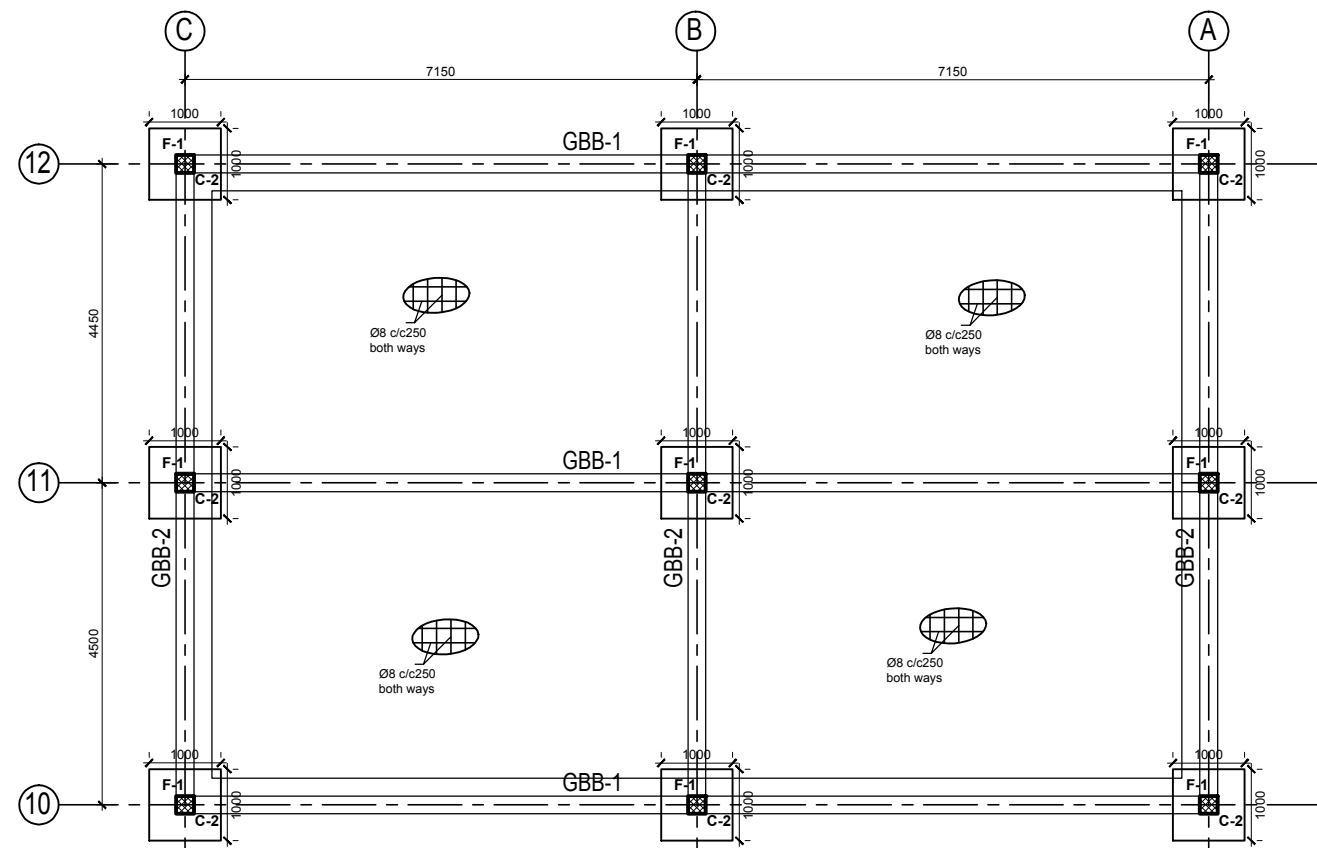
Scale
1:150

Date
Apr-2023

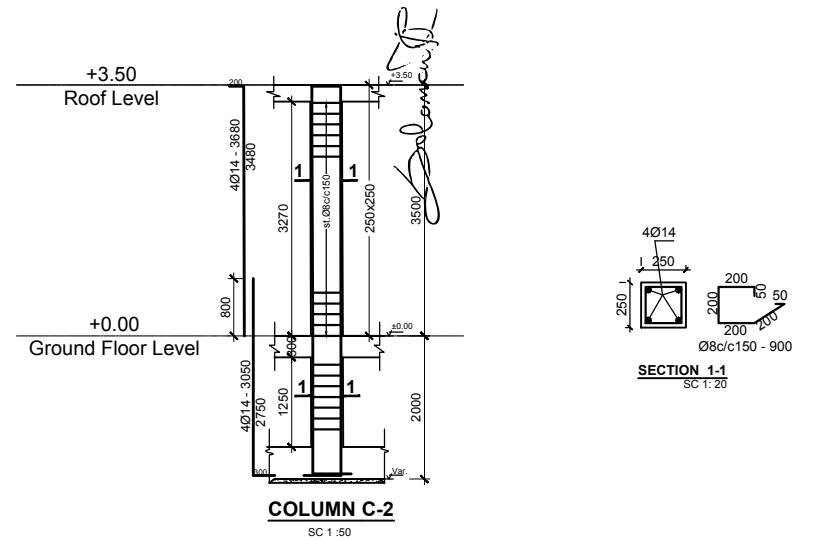
Project No.

Drawing No.
ST
04/07

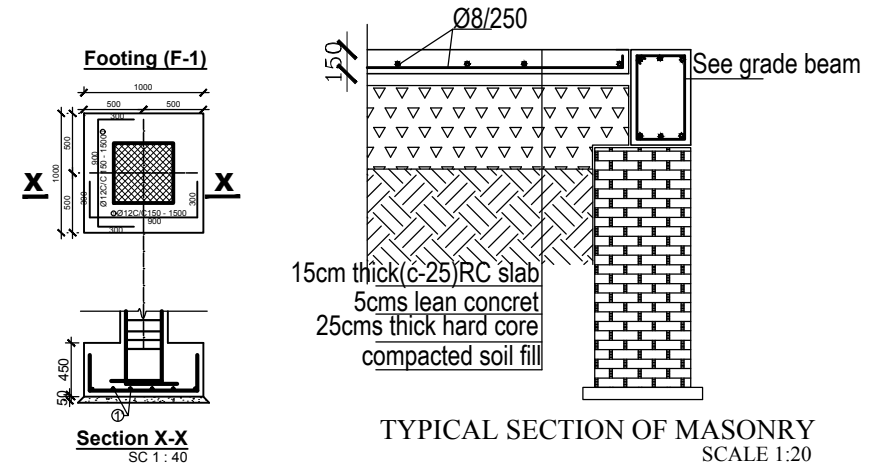
Paper Size
ISO A1



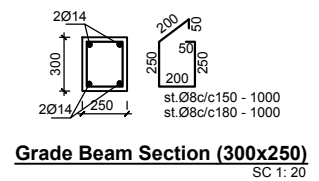
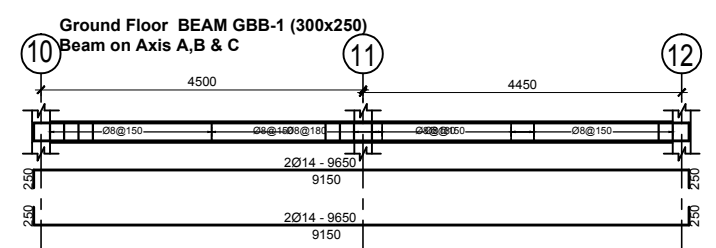
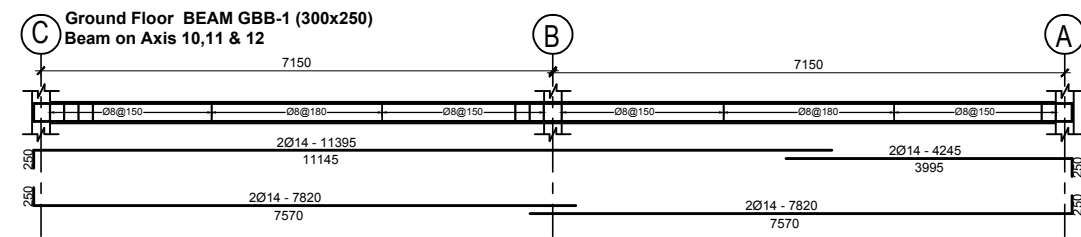
GROUND FLOOR SLAB, COLUMN, FOUNDATION & BEAM LAYOUT & REINFORCEMENT (Slab Thickness 150mm) (Block B)



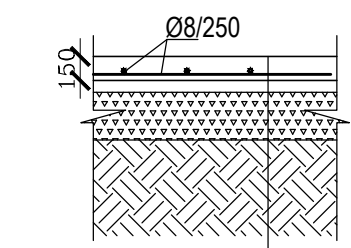
COLUMN C-2
SC 1:50



TYPICAL SECTION OF MASONRY
SCALE 1:20



Grade Beam Section (300x250)
SC 1:20



TYPICAL SECTION OF GROUND FLOOR SLAB
SCALE 1:20

GENERAL NOTES

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- _____
- _____
- _____
- _____

No.	REVISION / ISSUE	DATE

Solomon Tesfay

STRUCTURAL DESIGN

Project Name
CLASSROOM BLOCK FOR WOLISSO NURSING

Project Address
Location: Kebele / Wereda:
Sub city: - House No.: -
Parcel No.: -
Title Deed no.:

Project Owner
DOCTORS WITH AFRICA - CUAMM

Drawing Title
Ground Floor slab Reinforcement and Beam Detail And Section

Project Status
 New Modification As Built

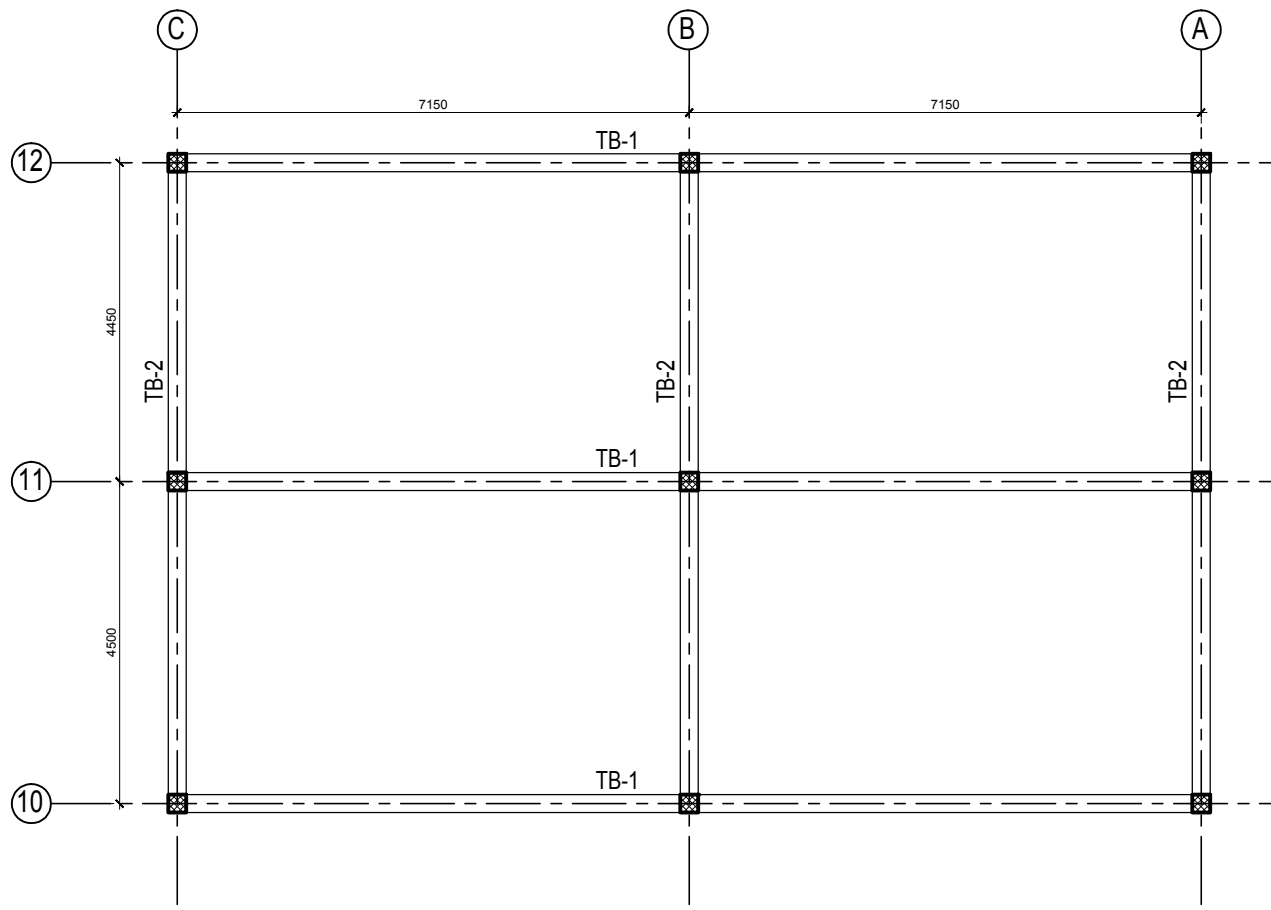
Designed By
Solomon Tesfay
PPST/1828

Drawn By
Staff

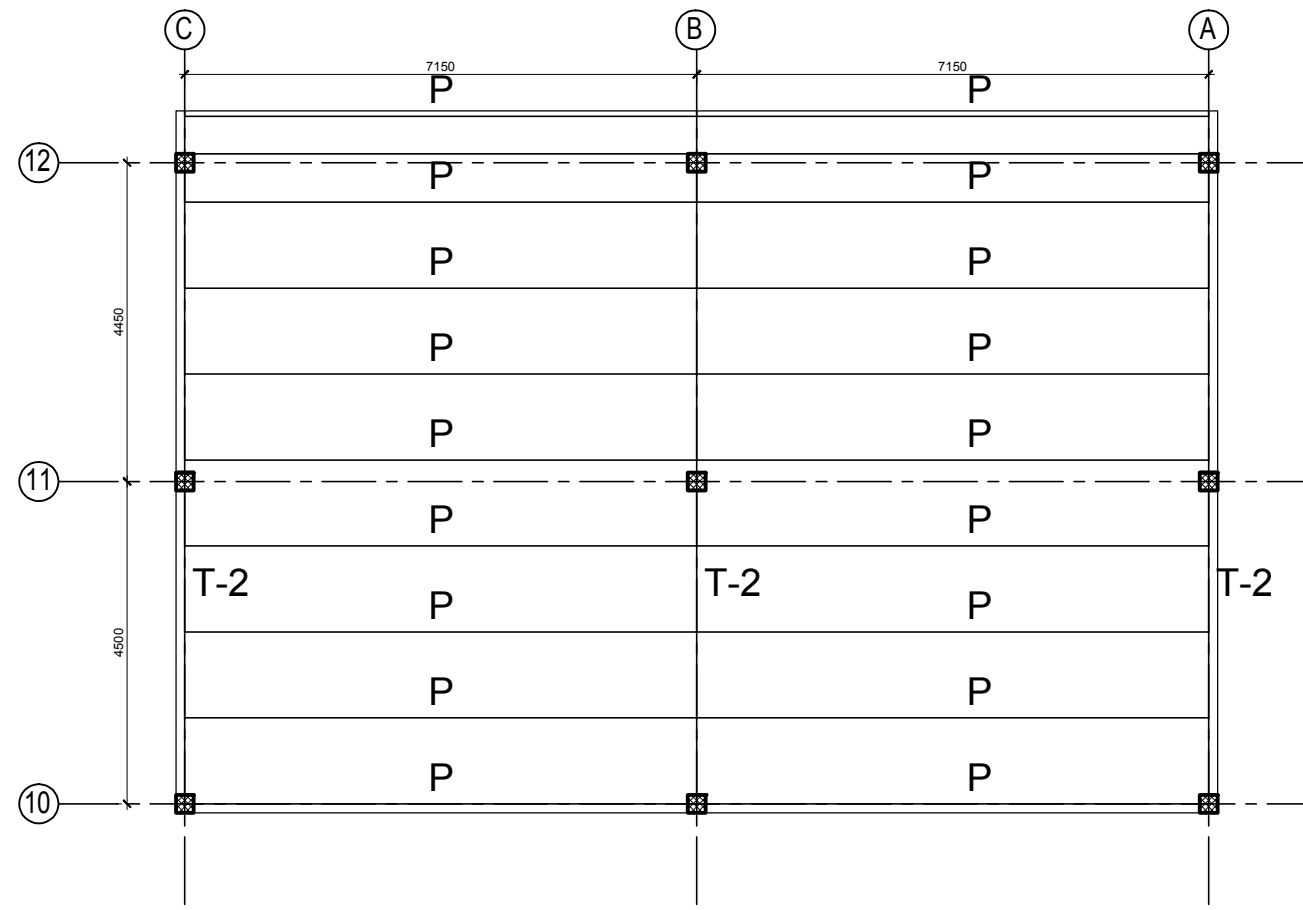
Checked By
Staff

Scale
1:50
Date
Apr-2023
Project No.

Drawing No.
ST
05/07
Paper Size
ISO A1



**ROOF BEAM LAYOUT PLAN
(Block B)**

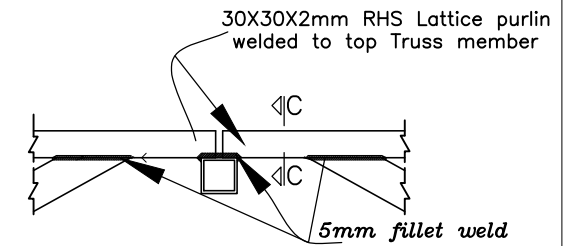


**ROOF TRUSS LAYOUT PLAN
(Block B)**

MATERIAL USED FOR TRUSSES
 1- TOP AND BOTTOM MEMBERS 60X60X3mm
 2- VERTICAL AND DIAGONAL MEMBERS 50X50X2.5mm

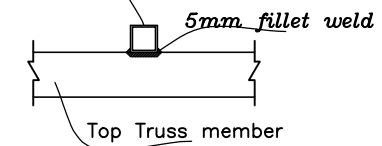
GENERAL NOTES

- *Minimum thickness of weld 3mm
- *Bolt strength as specified
- *Trusses should be welded when connected to each other
- *Use 5mm thick connection plate for length > 6m.
- *Provide a camber of 50mm at the center.
- *All Measurements are in mm. unless specified.
- *No scaling

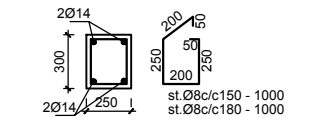
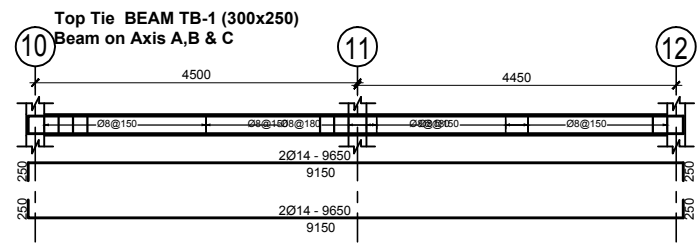
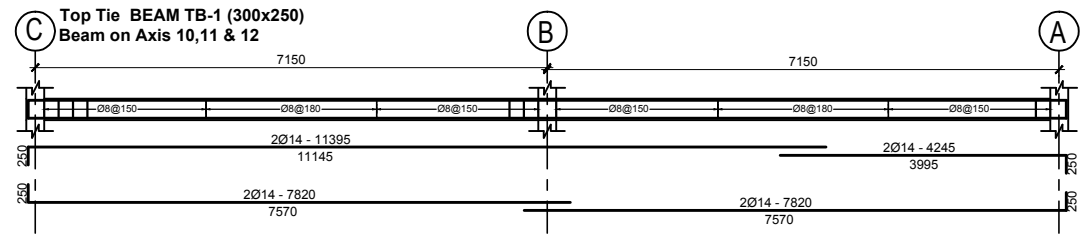


**DETAIL C
SCALE 1:5**

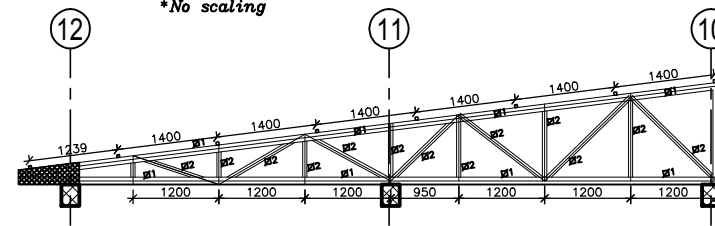
30x30x2mm RHS Lattice purlin welded to top Truss member



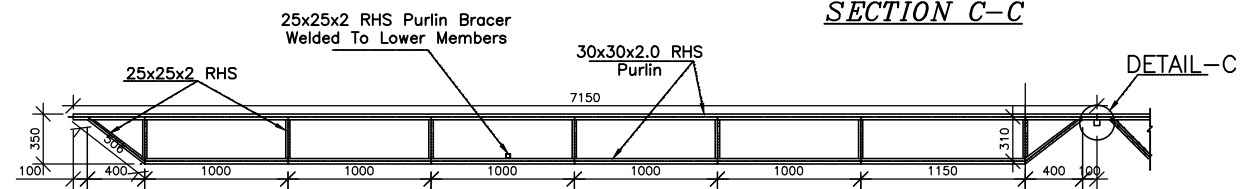
SECTION C-C



**Top Tie Beam Section (300x250)
SC 1:20**



**TYPICAL RAFTER TRUSS DETAIL T-2
(3 Pcs.)
SCALE 1:50**



**STANDARD PURLIN DETAIL (Welded Connection)
SCALE 1:25**

GENERAL NOTES

No.	REVISION / ISSUE	DATE

STRUCTURAL DESIGN

Project Name
**CLASSROOM BLOCK
FOR WOLISSO NURSING**

Project Address
Location:
Sub city: Kebele / Wereda:
Parcel No.: - House No.: -
Title Deed no.:

Project Owner
DOCTORS WITH AFRICA - CUAMM

Drawing Title
**Roof Beam and Truss Layout Plan
And Beam Detail And Section**

Project Status
 New Modification As Built

Designed By
**Solomon Tesfay
PPST/1828**

Drawn By
Staff

Checked By
Staff

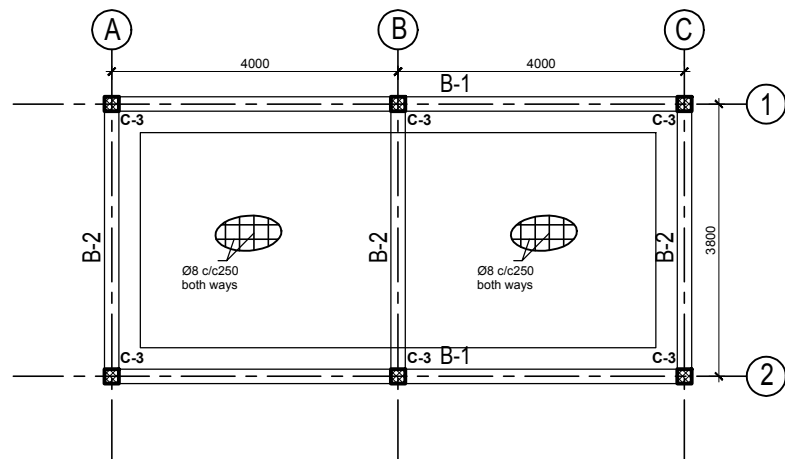
Scale
1:50

Date
Apr-2023

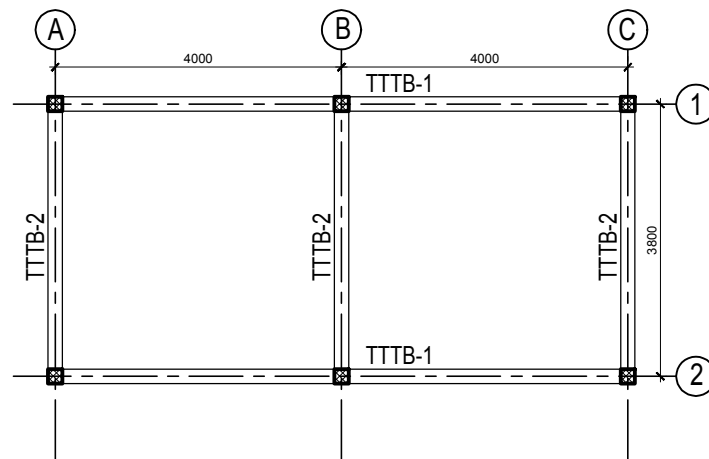
Project No.

Drawing No.
**ST
06/07**
Paper Size
ISO A1

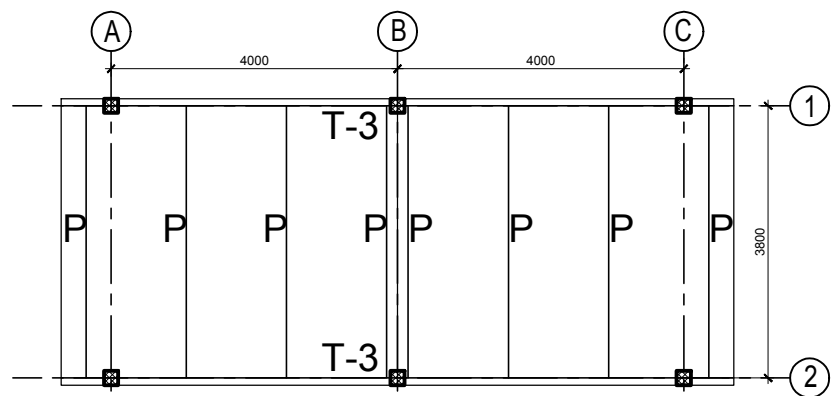
Solomon Tesfay



**GROUND FLOOR SLAB, COLUMN
& BEAM LAYOUT & REINFORCEMENT
(Toilet)**

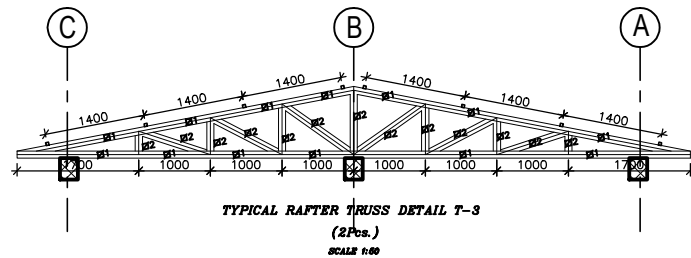


**ROOF BEAM LAYOUT PLAN
(Toilet)**

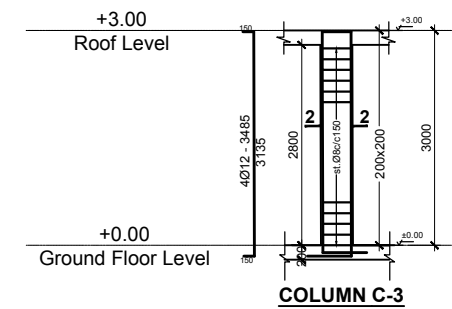
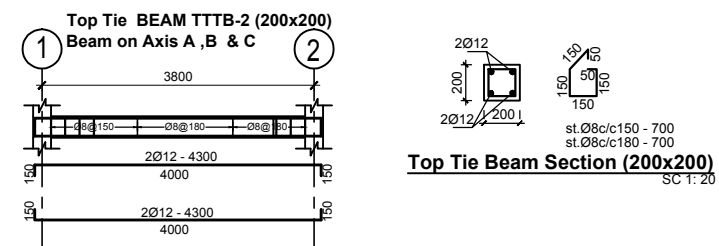
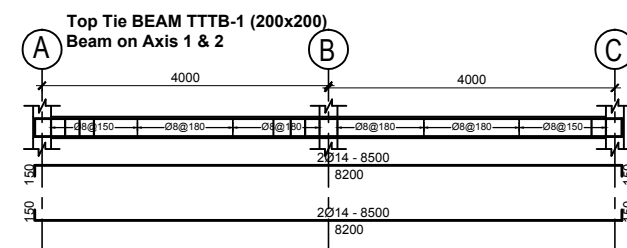
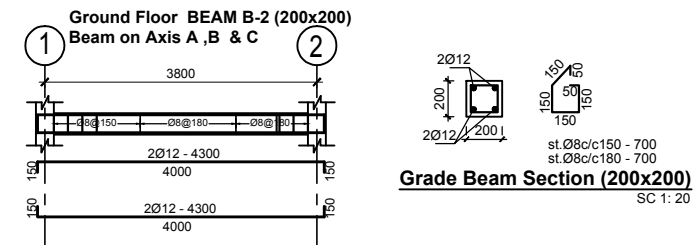
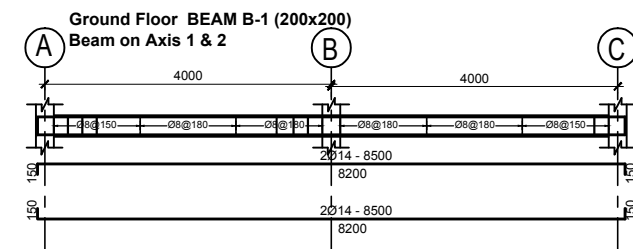


ROOF TRUSS LAYOUT PLAN

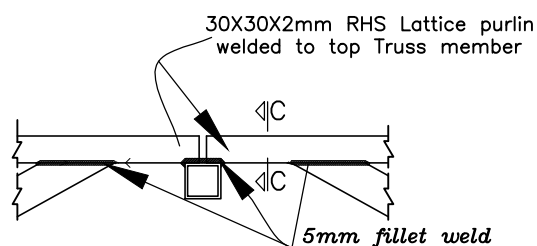
MATERIAL USED FOR TRUSSES
 1- TOP AND BOTTOM MEMBERS 60X60X3mm
 2- VERTICAL AND DIAGONAL MEMBERS 50X50X2.5mm



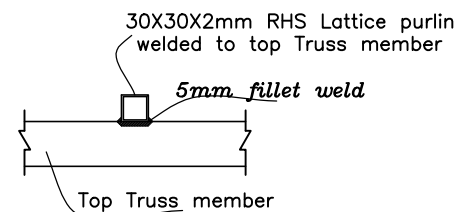
**TYPICAL RAFTER TRUSS DETAIL T-3
(2Pos.)
SCALE 1:50**



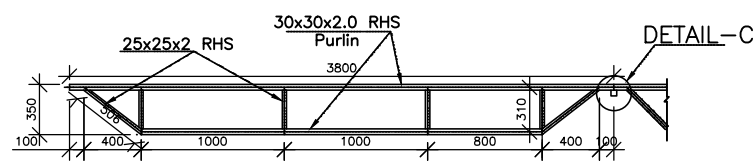
**COLUMN C-3
SCALE 1:50**



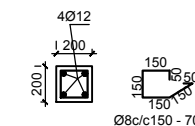
**DETAIL C
SCALE 1:5**



SECTION C-C



**STANDARD PURLIN DETAIL (Welded Connection)
SCALE 1:25**



**SECTION 2-2
SCALE 1:20**

GENERAL NOTES

No.	REVISION / ISSUE	DATE

Solomon Tesfay

STRUCTURAL DESIGN

Project Name
CLASSROOM BLOCK
FOR WOLISSO NURSING

Project Address
Location: Kebele / Wereda:
Sub city: House No.:
Parcel No.:
Title Deed no.:

Project Owner
DOCTORS WITH AFRICA - CUAMM

Drawing Title
Ground Floor Reinforcement
Roof beam and Truss layout
And Beam Detail And Section

Project Status
 New Modification As Built

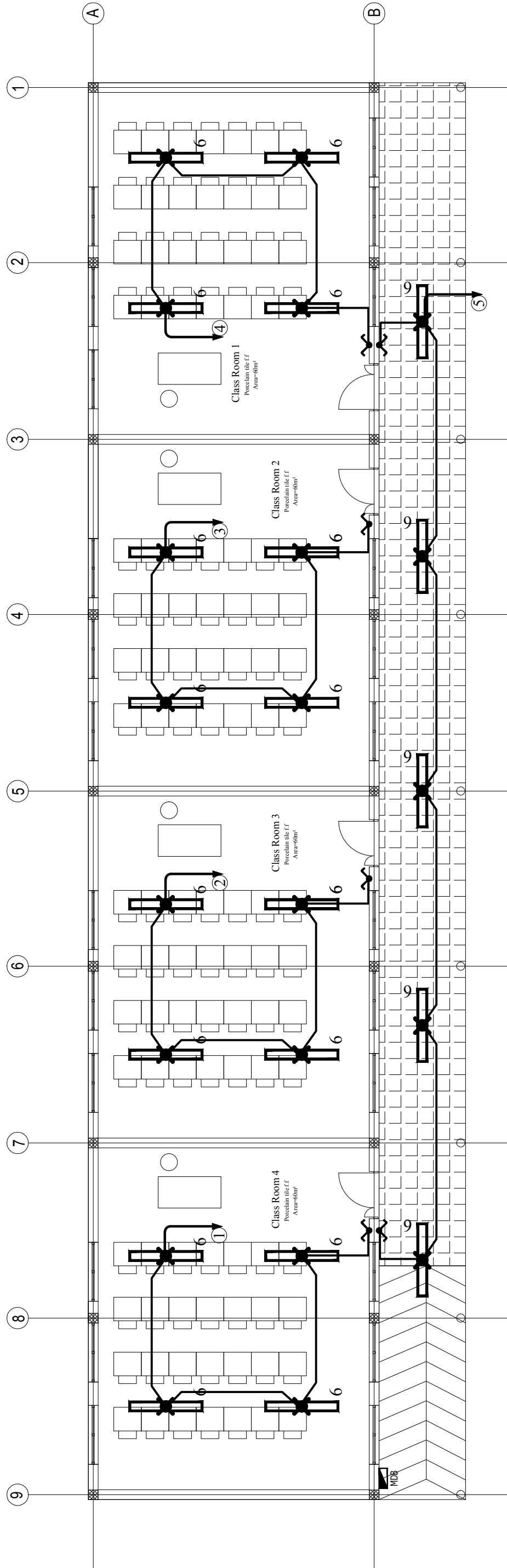
Designed By
Solomon Tesfay
PPST/1828

Drawn By
Staff

Checked By
Staff

Scale 1:50	Drawing No. ST 07/07
Date Apr-2023	
Project No.	

Paper Size
ISO A1



CLASS ROOM BLOCK (A) LIGHT LAYOUT

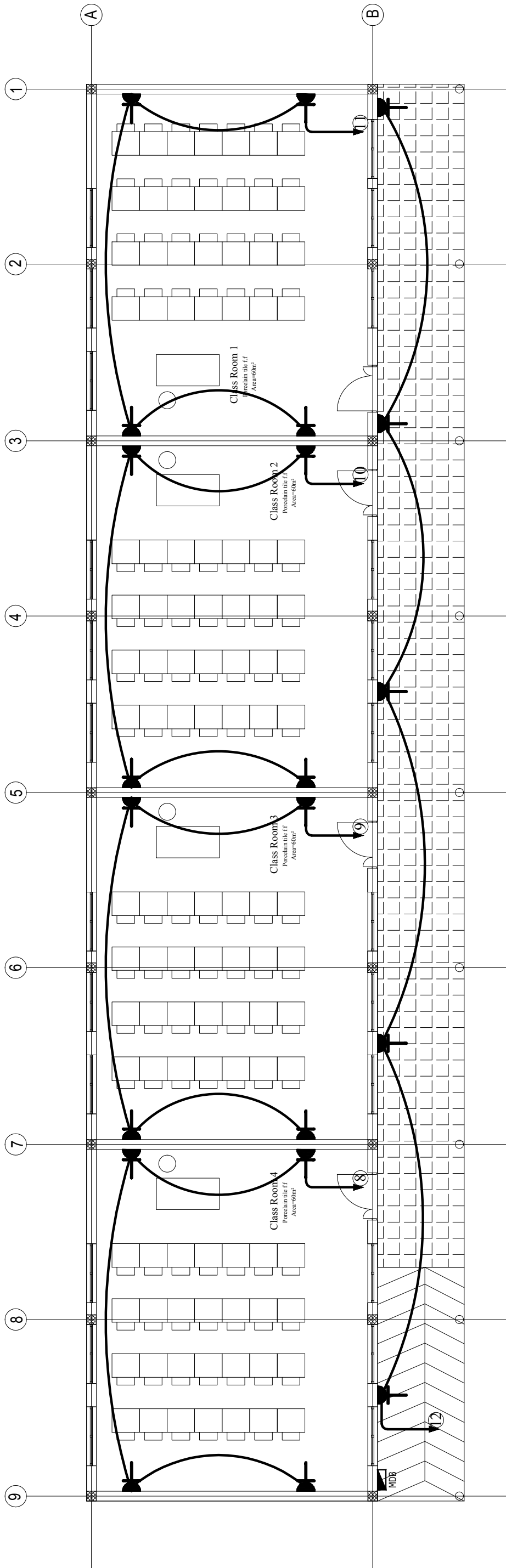
LEGEND

- Light fitting, ceiling mounted
- Light fitting, florecent, ceiling mounted
- Light fitting, Pendant type
- Light fitting, Chandelier
- Light fitting, wall mounted
- One way double gang - multi circuit switch
- One way single circuit switch
- Two way single circuit switch
- Intermediate switch
- TV outlet point
- RJ 11 telephone outlet
- Socket outlet point
- Electric stove socket outlet
- Water Heater socket outlet
- Line/Riser - coming in
- Recessed mounted TEL/TV box
- Recessed mounted push button
- Pendant push button
- Bell call indicator panel with reset button transformer and buzzer
- Recessed mounted distribution board
- Kilo Watt Hour meter
- Recessed mounted cable/wire
- Recessed mounted cable/wire

No.	REVISION / ISSUE	DATE

Solomon Tesfay

ELECTRICAL DESIGN	
Project Name CLASSROOM BLOCK FOR WOLISSO NURSING	
Project Address Location: Sub city: - Kebele / Wereda: Parcel No: - House No.: - Title Deed no.: -	
Project Owner DOCTORS WITH AFRICA - CUAMM	
Drawing Title ELECTRICAL DESIGN	
Project Status <input checked="" type="checkbox"/> New <input type="checkbox"/> Modification <input type="checkbox"/> As Built	
Designed By Solomon Tesfay PPSTE/1828	
Drawn By Staff	
Checked By Staff	
Scale 1:50	Drawing No. EL 01/03
Date Apr-2023	Paper Size ISO A1
Project No.	



CLASS ROOM BLOCK (A) SOCKET LAYOUT

LEGEND

- Light fitting, ceiling mounted
- Light fitting, fluorescent, ceiling mounted
- Light fitting, Pendant type
- Light fitting, Chandelier
- Light fitting, wall mounted
- One way double gang - multi circuit switch
- One way single circuit switch
- Two way single circuit switch
- Intermediate switch
- TV outlet point
- RJ 11 telephone outlet
- Socket outlet point
- Electric stove socket outlet
- Water Heater socket outlet
- Line/ Riser - coming in
- Recessed mounted TEL/TV box
- Recessed mounted push button
- Pendant push button
- Bell call indicator panel with reset button transformer and buzzer
- Recessed mounted distribution board
- Kilo Watt Hour meter
- Recessed mounted cable/wire
- Recessed mounted cable/wire

No.	REVISION / ISSUE	DATE

Solomon Tesfay

ELECTRICAL DESIGN
CLASSROOM BLOCK FOR WOLISSO NURSING

Project Address
 Location: Kebele / Wereda:
 Sub city: - House No.: -
 Parcel No.: -
 Title Deed no.: -

Project Owner
DOCTORS WITH AFRICA - CUAMM

Drawing Title
ELECTRICAL DESIGN

Project Status
 New Modification As Built

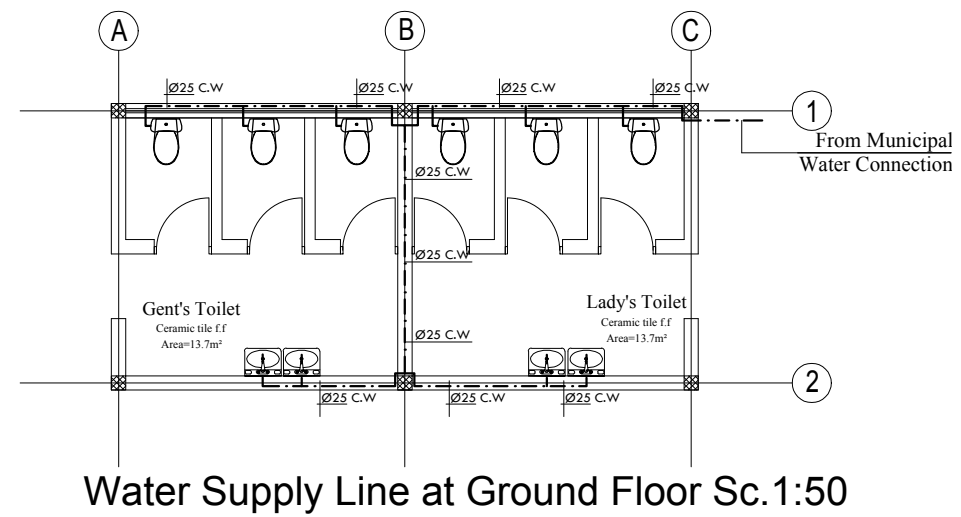
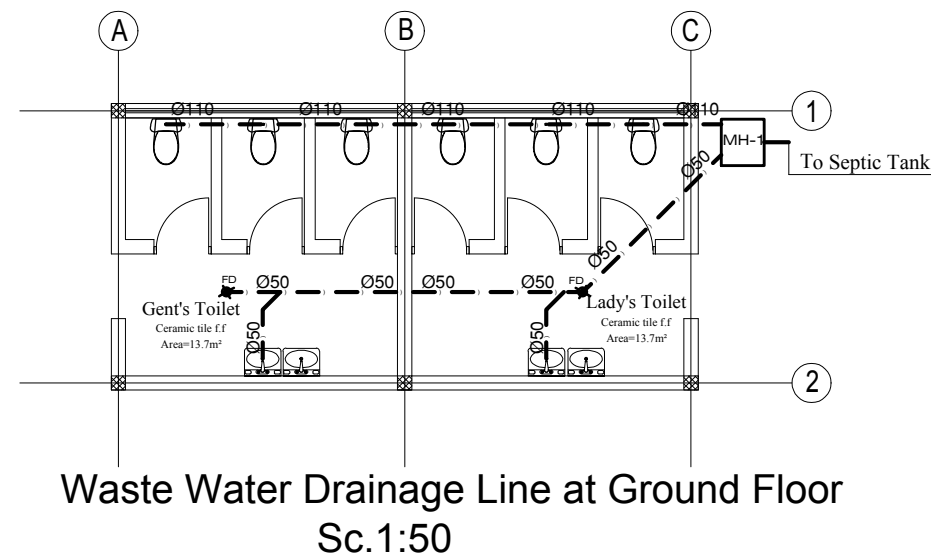
Designed By
Solomon Tesfay
 PPSTE/1828

Drawn By
Staff

Checked By
Staff

Scale 1:50	Drawing No. EL
Date Apr-2023	Paper Size ISO A1

Project No.



GENERAL NOTES

No.	REVISION / ISSUE	DATE

Solomon Tesfay

SANITARY DESIGN

Project Name
CLASSROOM BLOCK
FOR WOLISSO NURSING

Project Address
Location:
Sub city: Kebele / Wereda:
Parcel No.: - House No.: -
Title Deed no.:

Project Owner
DOCTORS WITH AFRICA - CUAMM

Drawing Title
Waste Water Drainage And
Water Supply Line At Ground Floor

Project Status
 New Modification As Built

Designed By
Solomon Tesfay
PPST/1828

Drawn By
Staff

Checked By
Staff

Scale 1:50	Drawing No. SN 01/01
Date Apr-2023	Paper Size ISO A1

Project No.