

## Project

Community Resilience Enhancement Project (Additional Financing) THABAT AF Component 1 (Community Led Delivery of Basic Services)

## Organization



Mercy Corps Europe,  
Sudan

## Donor



# Health Facilities Rehabilitation

**CONSULTANT :**

**Abbas Abdalwahab Abdulraheem**

# Basonda Locality



NOTES:

KEY PLAN

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No. Description: Date

Revisions

**PROJECT TITLE:**  
 Community Resilience Enhancement Project (Additional Financing) THABAT AF Component 1 (Community Led Delivery of Basic Services)

**Health Facilities**

**Organization**



**Donor**



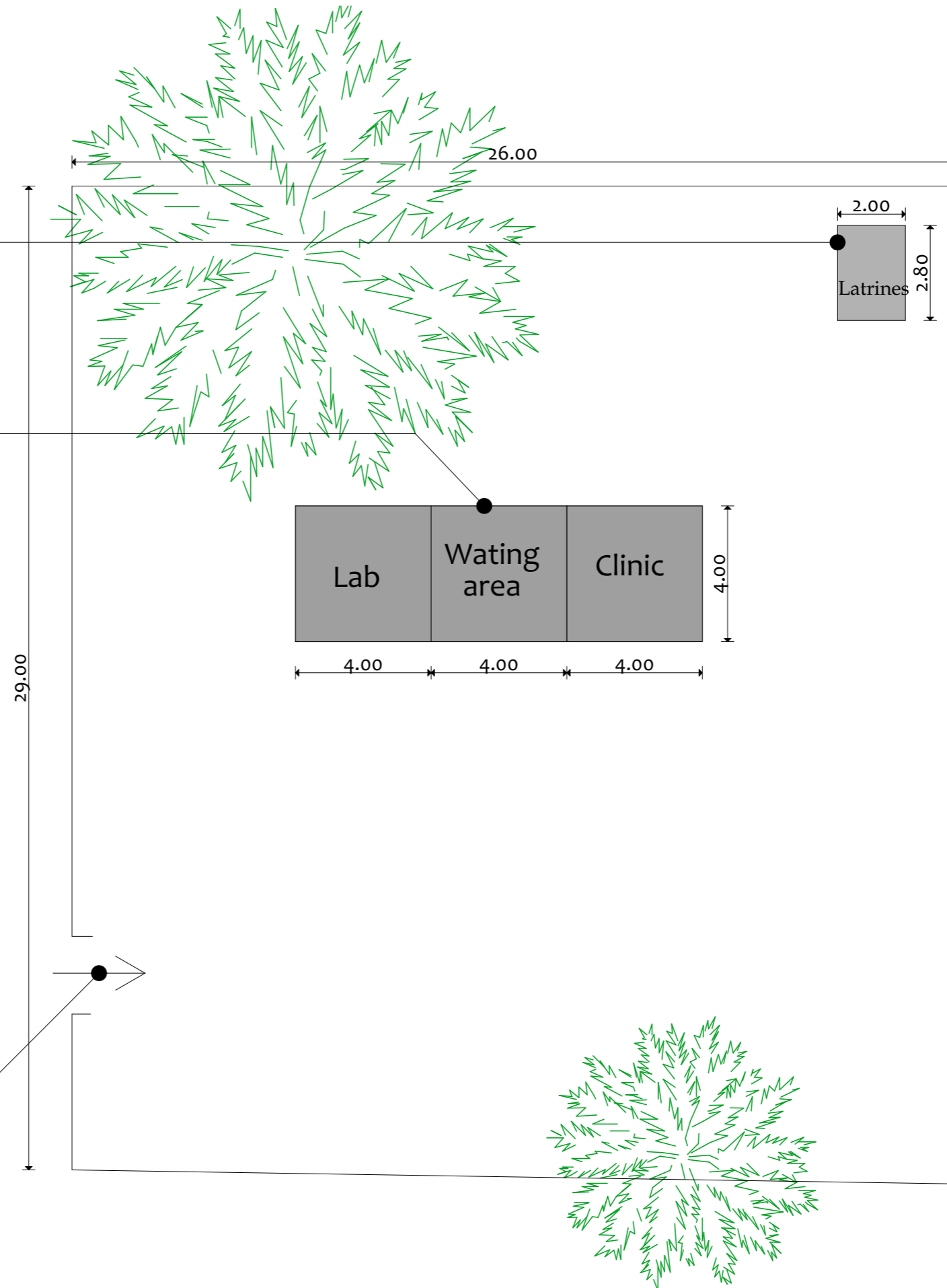
**CONSULTANT :**

Abbas Abdalwahab Abdulraheem

**Drawing Title:**

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Org. Sheet Size:	Date: August-2025	
<b>A3</b>	Scale:	
Project No.	Sheet No.	Rev. No.
PO# 40452947	A.01.18	<b>0</b>



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Revisions

**PROJECT TITLE:**  
Community Resilience Enhancement Project (Additional Financing) THABAT AF Component 1 (Community Led Delivery of Basic Services)

**Health Facilities**

**Organization**



**Donor**



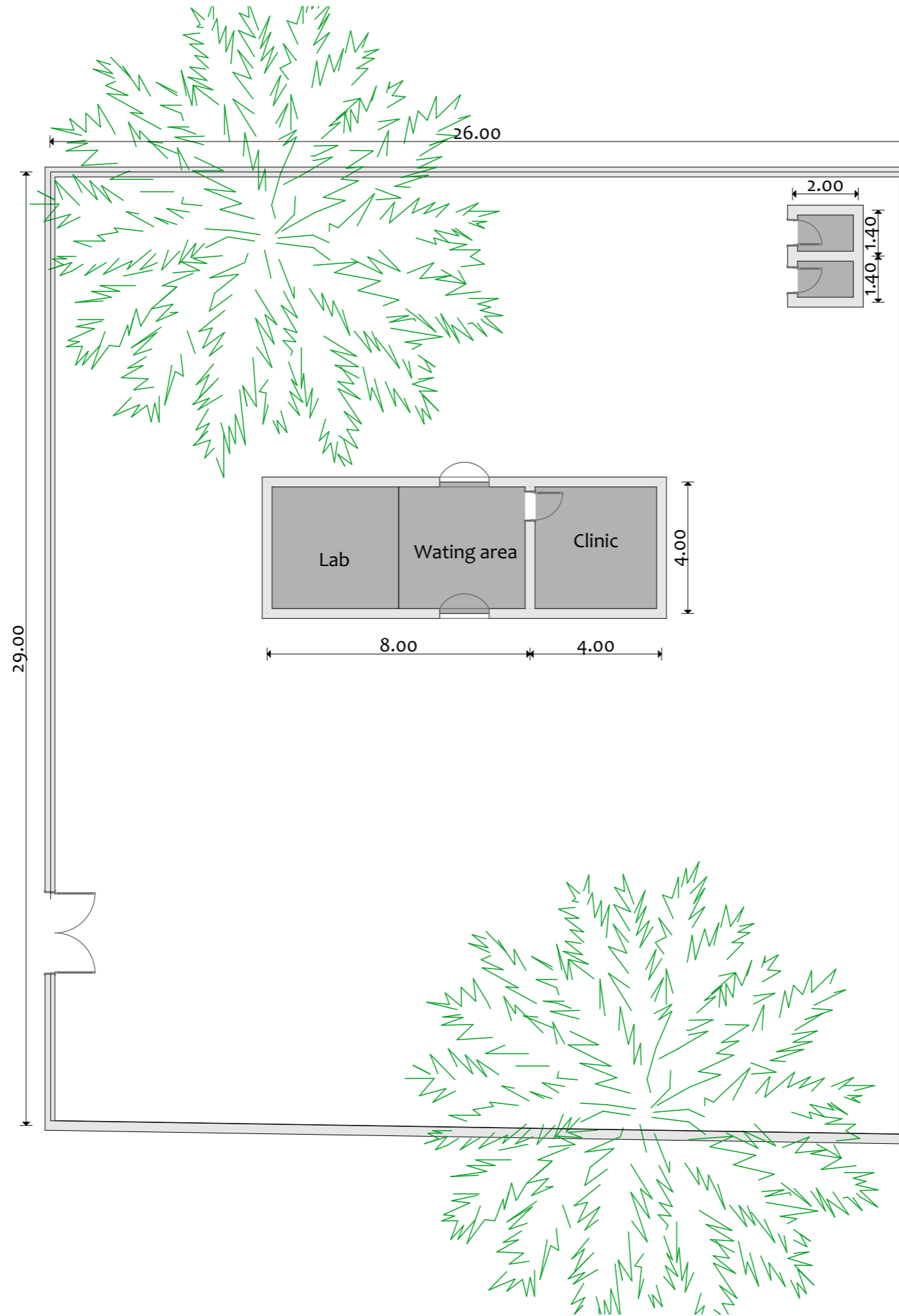
**CONSULTANT :**

Abbas Abdalwahab Abdulraheem

**Drawing Title:**

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Project No.	Sheet No.	Rev. No.
PO# 40452947	A.01.19	<b>0</b>



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Revisions

PROJECT TITLE:

Community Resilience  
Enhancement Project (Additional  
Financing) THABAT AF  
Component 1 (Community Led  
Delivery of Basic Services)

Health Facilities

Organization



Donor



CONSULTANT :

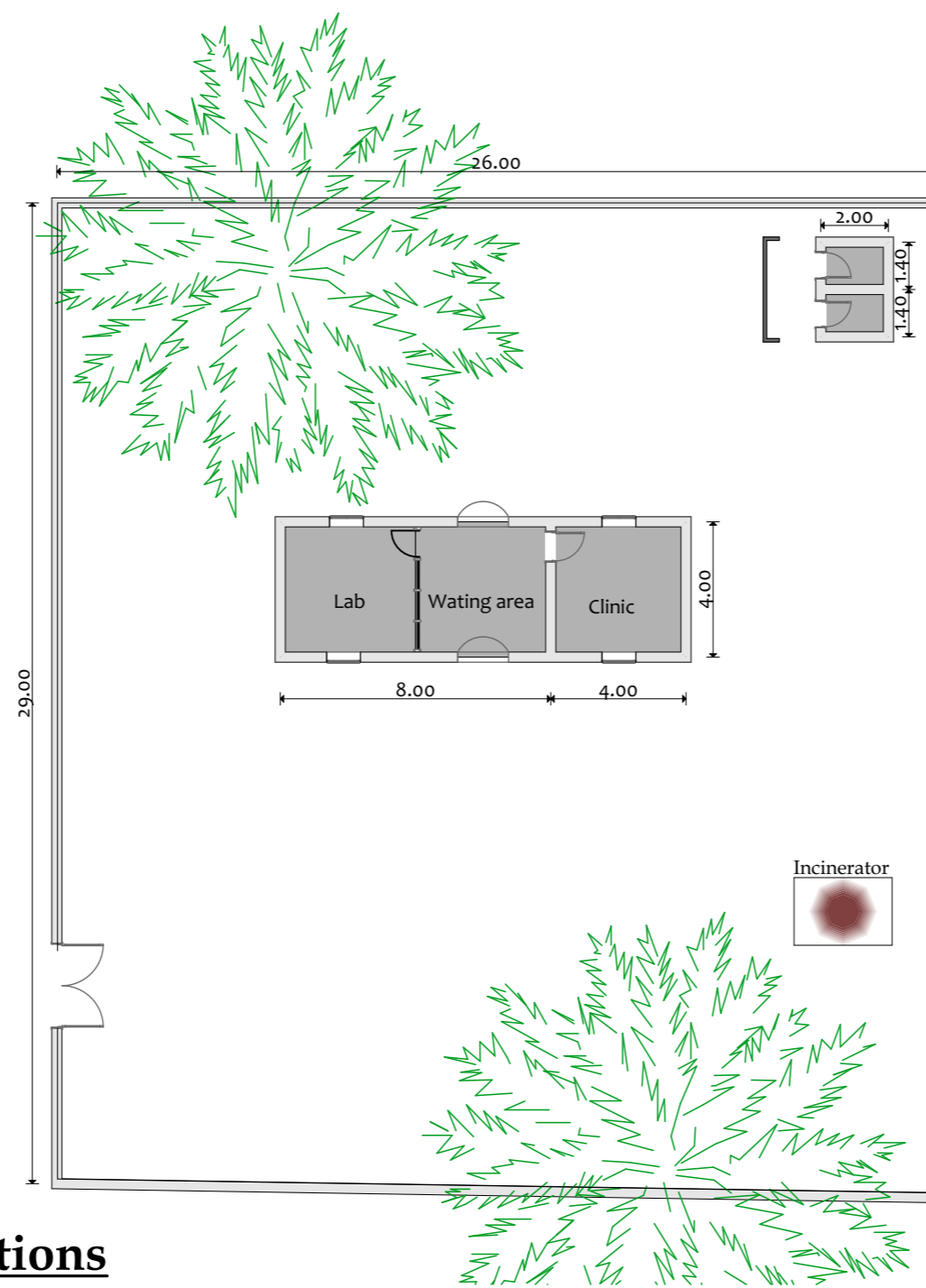
Abbas Abdalwahab Abdulraheem

Drawing Title:

Wad Kaseiba Health Facility  
Ground Floor

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Project No. PO# 40452947	Sheet No. A.01.20	Rev. No. <b>0</b>

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## Summary Of Rehabilitation Interventions

### General Rehabilitation

- Masonry works including brickwall construction for cladding and barebed
- Painting of internal walls, roofs, external walls, and bathroom walls- Metal works including ventilation openings, aluminum partitions, fence repair, entrance door repair, and door/window repairs
- Thermal insulation works with sesame gravel concrete and waterproofing
- Laboratory internal works including toilet seat installation and laboratory deck construction

**\*Incinerator**

### Wash Interventions

- Application of water-based acrylic paint on latrine walls
- Application of matt oil paint on internal walls (1.5m height)
- Supply and fabrication of watertank stand with 2000 litre tank
- Supply and installation of 1-HP Italian pump with protection cage
- Supply and installation of Indian-standard toilet seats
- Supply and installation of handwashing sinks with 80-liter tank capacity
- Construction of 3-meter diameter tank base
- Water connection from tank to laboratory sink
- Supply and installation of latrine doors

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Revisions

PROJECT TITLE:

Community Resilience Enhancement Project (Additional Financing) THABAT AF Component 1 (Community Led Delivery of Basic Services)

Health Facilities

Organization



Donor



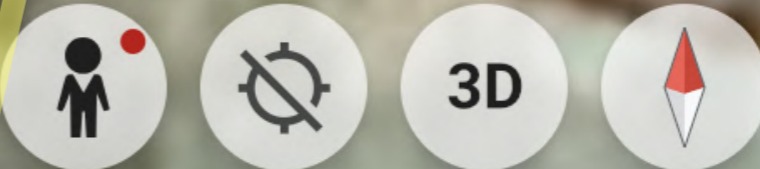
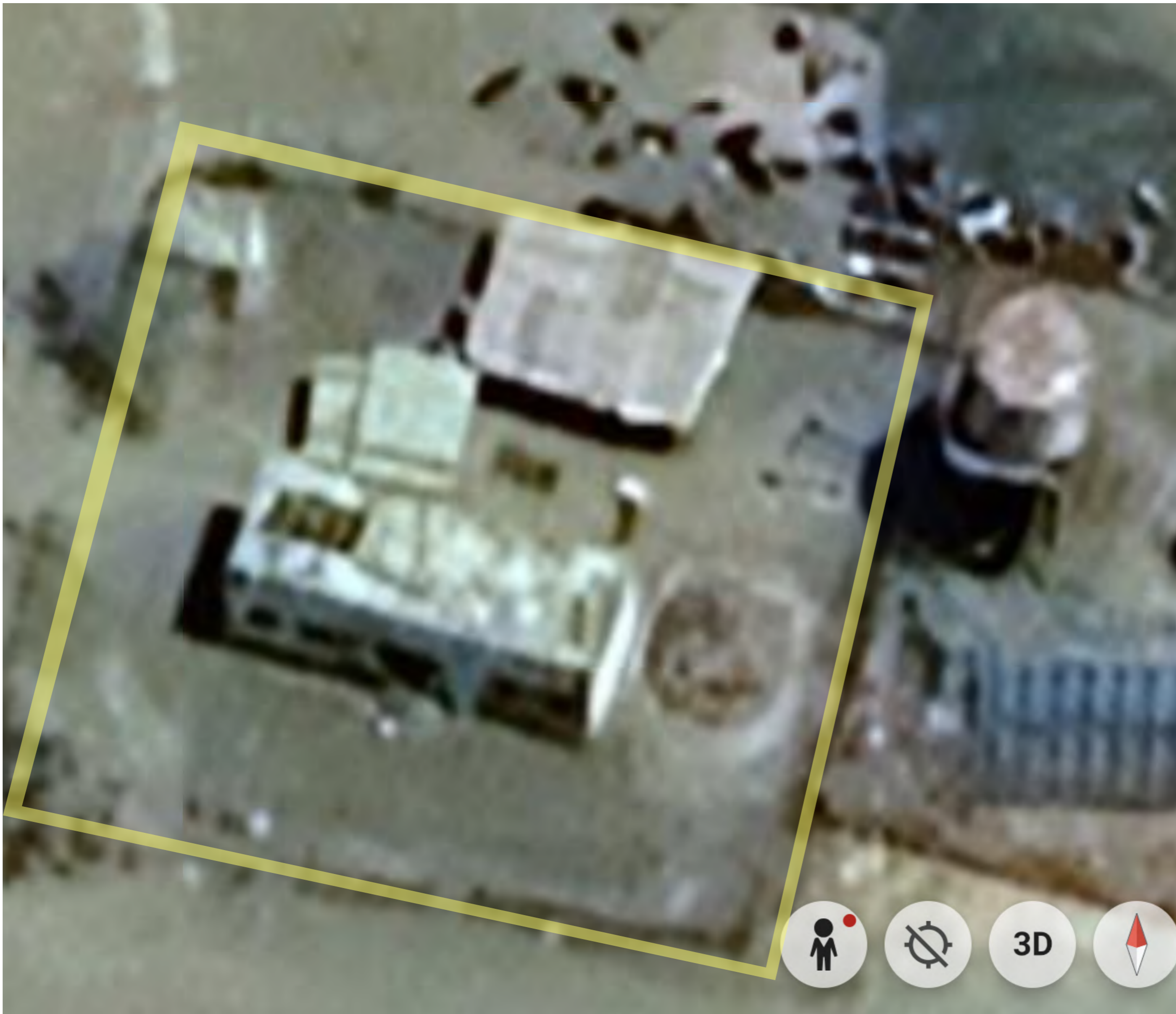
CONSULTANT :

Abbas Abdalwahab Abdulraheem

Drawing Title:

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**PROJECT TITLE:**  
 Community Resilience Enhancement Project (Additional Financing) THABAT AF Component 1 (Community Led Delivery of Basic Services)

**Health Facilities**

**Organization**



**Donor**



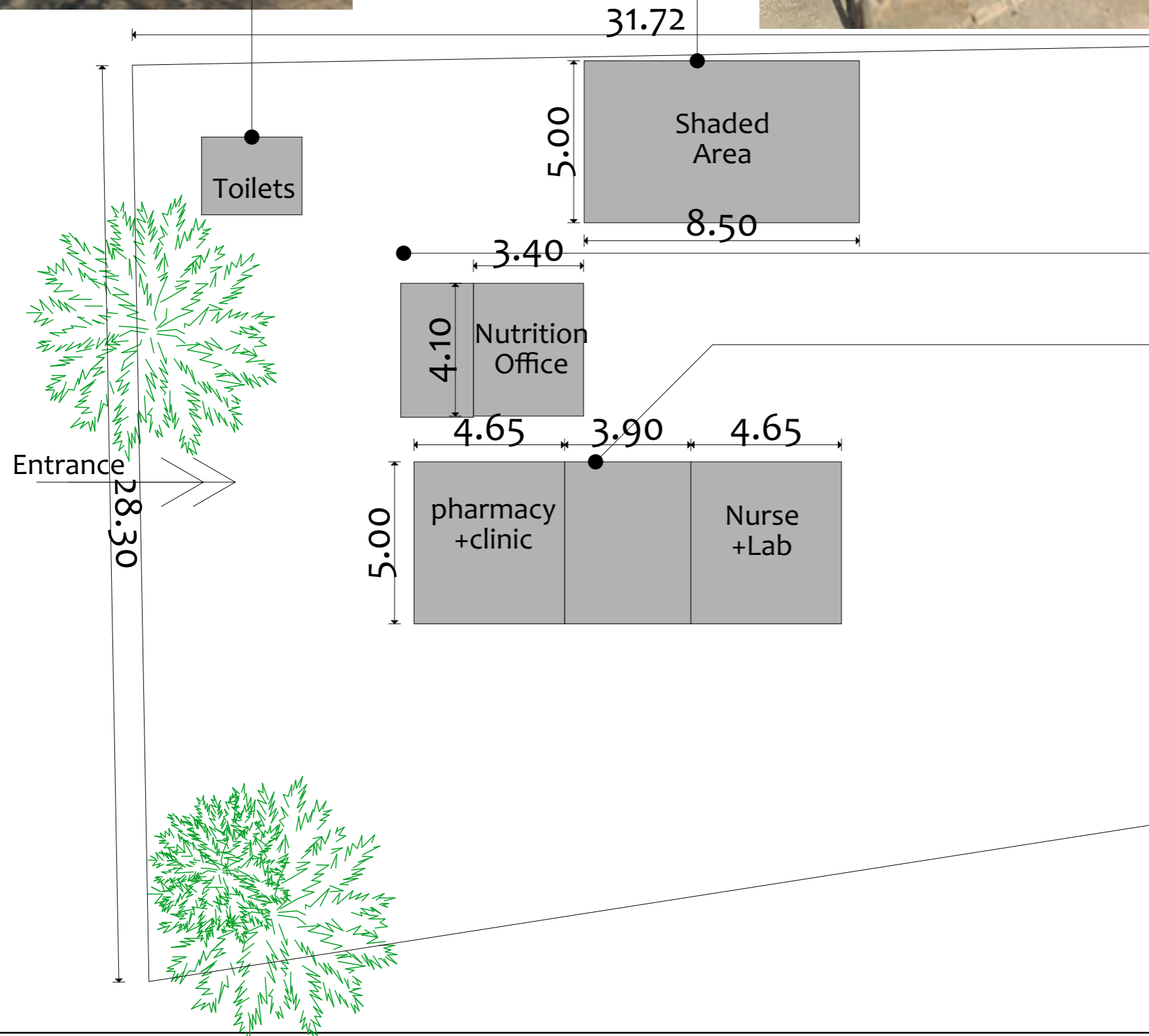
**CONSULTANT :**

Abbas Abdalwahab Abdulraheem

**Drawing Title:**

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PO# 40452947	A.01.01	<b>0</b>



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Revisions

**PROJECT TITLE:**  
Community Resilience Enhancement Project (Additional Financing) THABAT AF Component 1 (Community Led Delivery of Basic Services)

**Health Facilities**

Organization

**MERCY CORPS**  
Mercy Corps Europe, Sudan

Donor

**STARS**  
Sudan Transition and Recovery Support

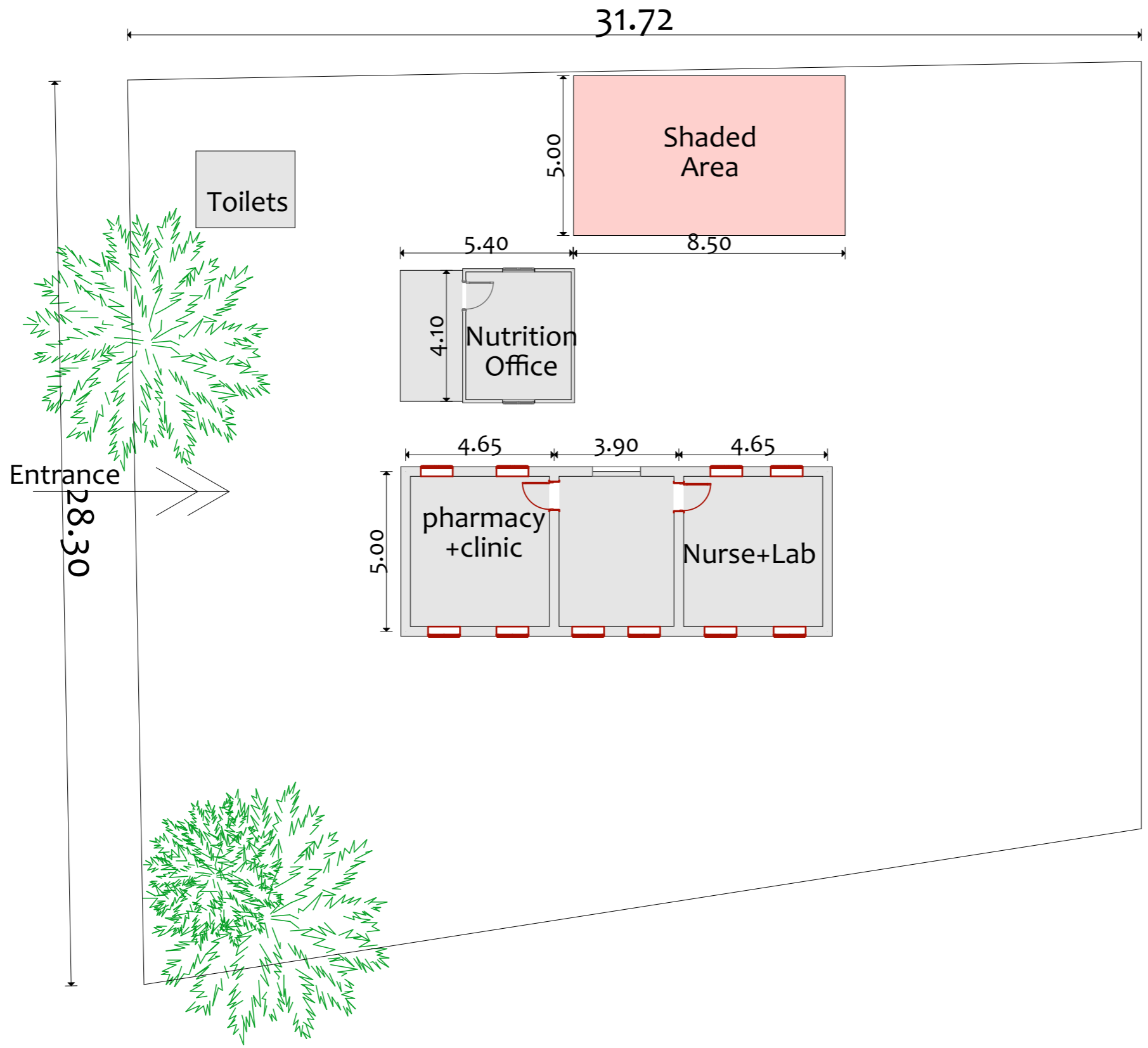
CONSULTANT :

Abbas Abdalwahab Abdulraheem


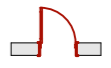

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NOTES:

-  Removal Floors
-  Removal Doors
-  Removal Window

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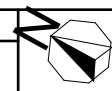
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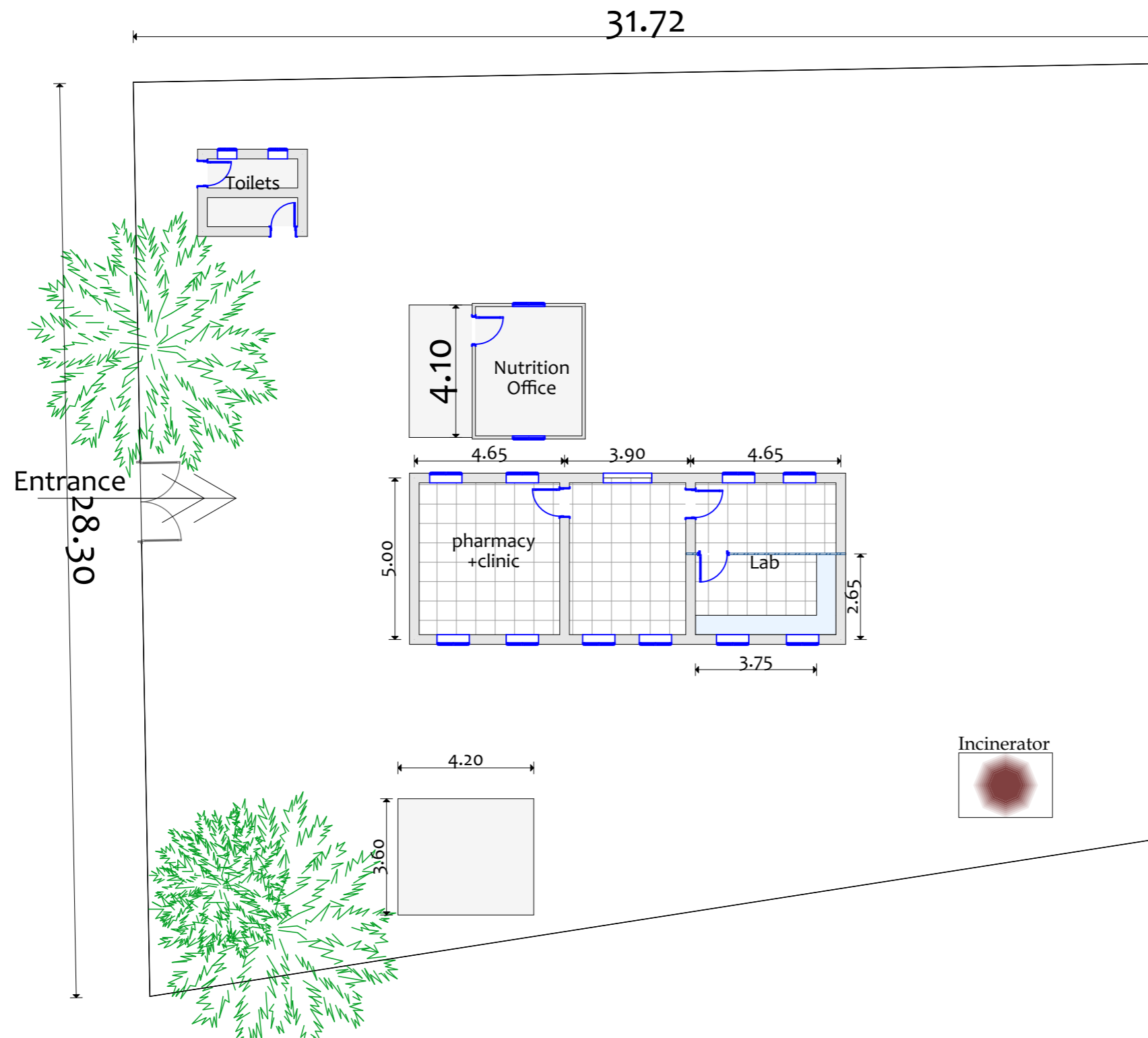
**Health Facilities**







**CONSULTANT :**  
 Abbas Abdalwahab Abdulraheem

**Drawing Title:**  
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NOTES :

-  New Doors
-  New Windows
-  New Floor Tiles
-  New aluminum partition

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PROJECT TITLE:

Community Resilience Enhancement Project (Additional Financing) THABAT AF Component 1 (Community Led Delivery of Basic Services)

Health Facilities

Organization



Donor




CONSULTANT :

Abbas Abdalwahab Abdulraheem

Drawing Title:

Babikrey PHC  
New Ground Floor Plan

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## Summary Of Rehabilitation Interventions

### General Rehabilitation

- Roof repair including plaster removal, sesame concrete casting, plaster skirting, acrylic waterproof coating, and roof drainage pipe replacement
- Painting of internal and external walls
- Floor repairs including tile removal, soil scraping, backfilling, concrete flooring, and ceramic tile installation
- Door, window, and partition repairs including steel doors, aluminum partitions, and aluminum counter- Electrical works including ceiling fans, lamps, and sockets

### Wash Interventions

- Painting of internal walls and roofs of toilets with 3 coats of Bomastk Silk paint
- Repair of steel doors for latrines with enamel paint
- Installation of PPR water supply network (1-inch pipes) to doctor's room and laboratory
- Supply and installation of washbasin in doctor's room with drainage and soak pit



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KEY PLAN

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**PROJECT TITLE:**  
 Community Resilience Enhancement Project (Additional Financing) THABAT AF Component 1 (Community Led Delivery of Basic Services)


**Health Facilities**

**Organization**  
  
 Mercy Corps Europe, Sudan

**Donor**  
  
 Sudan Transition and Recovery Support

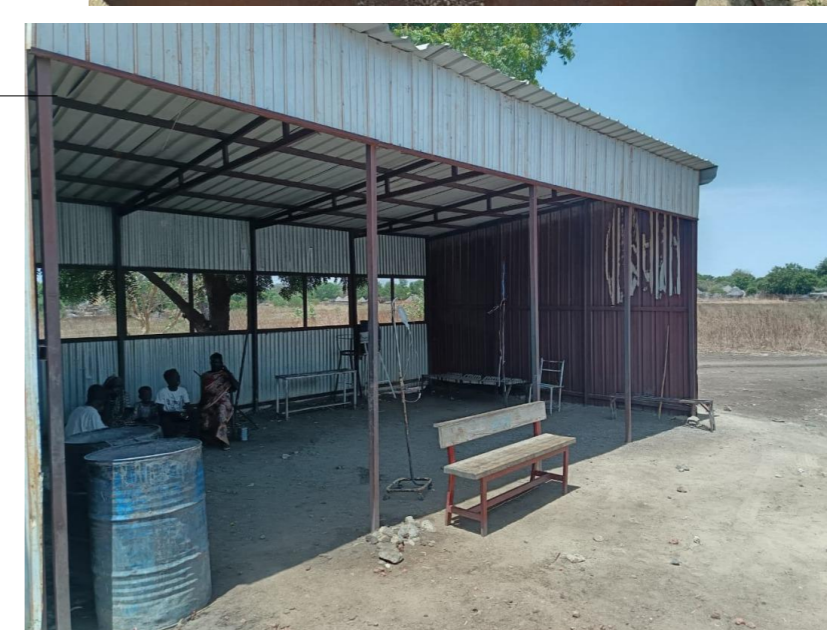
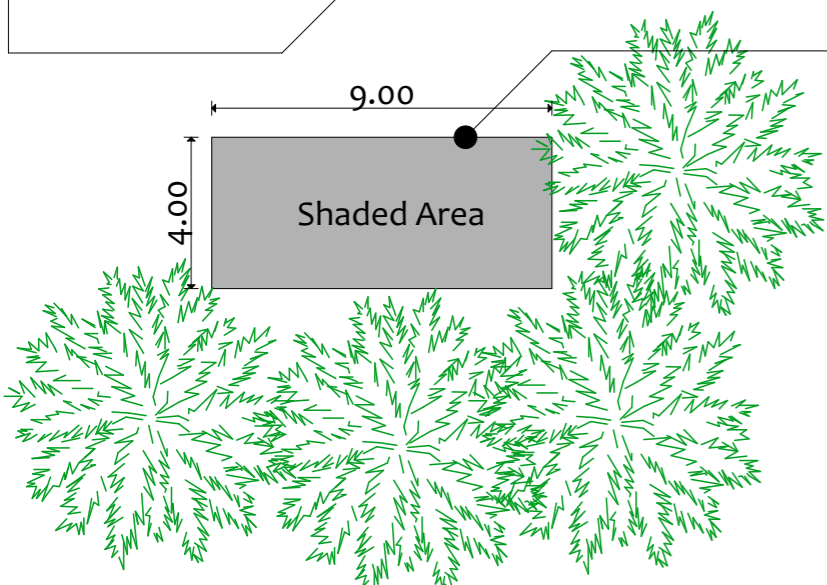
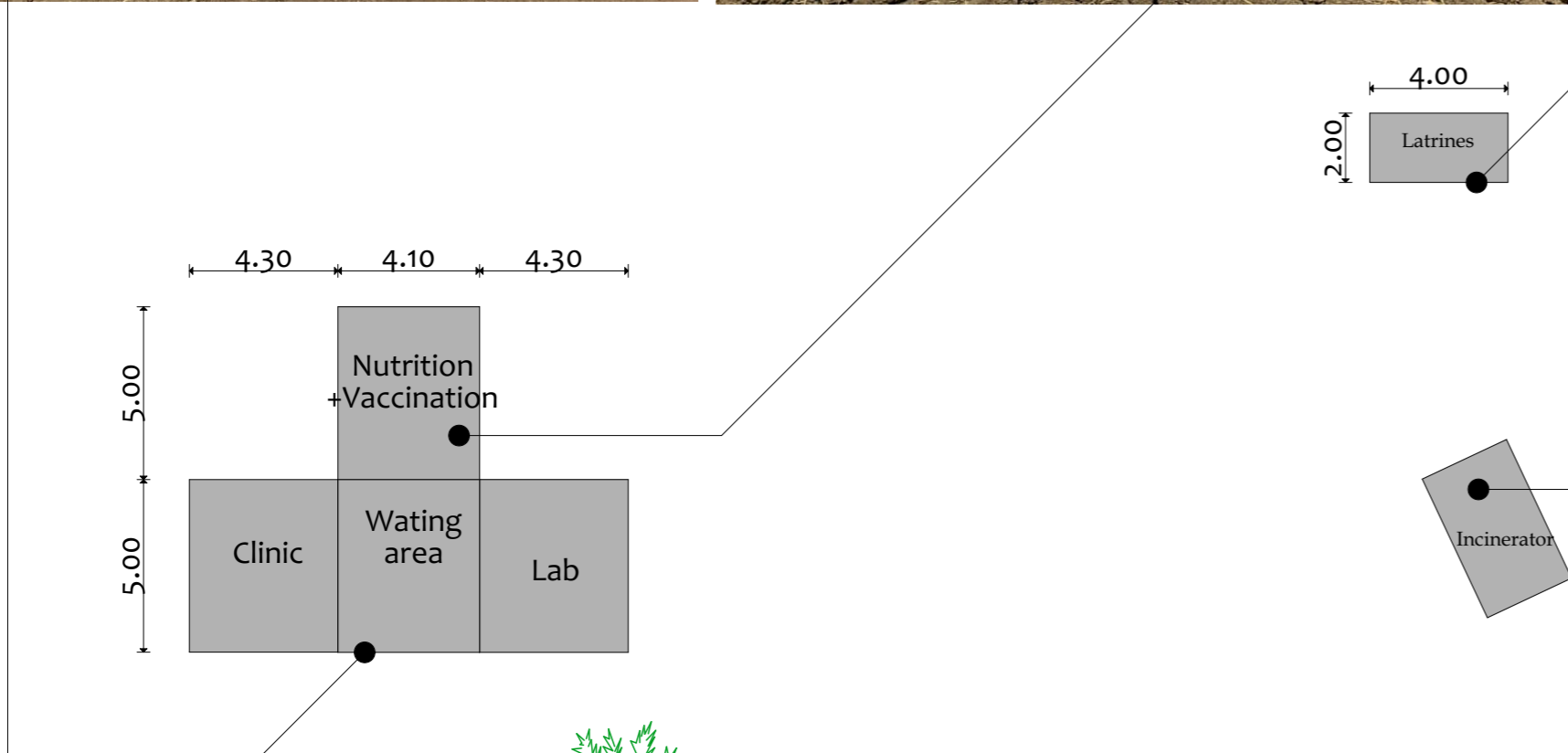
**CONSULTANT :**  
 Abbas Abdalwahab Abdulraheem

**Drawing Title:**  
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Revisions

**PROJECT TITLE:**  
 Community Resilience Enhancement Project (Additional Financing) THABAT AF Component 1 (Community Led Delivery of Basic Services)

Health Facilities

Organization



Donor



CONSULTANT :

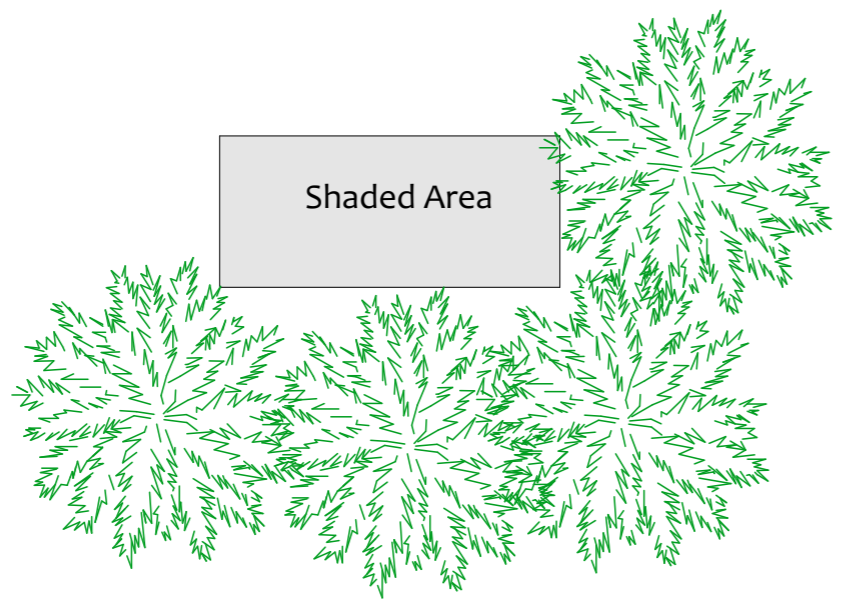
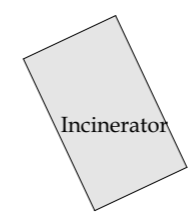
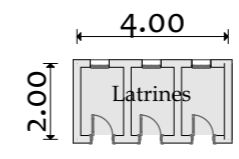
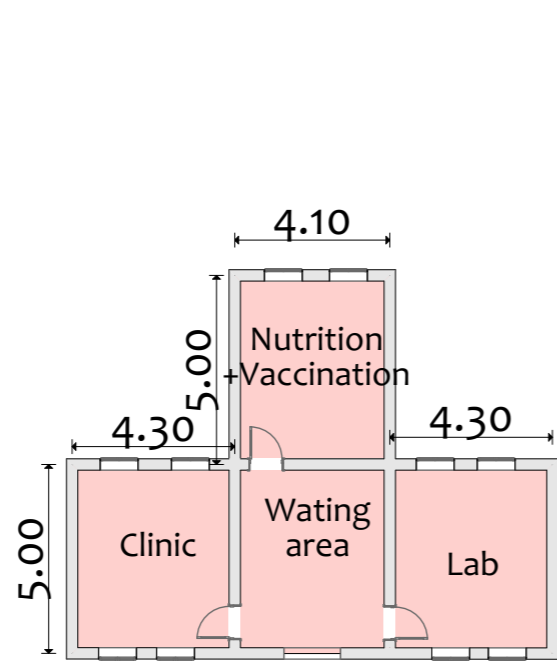
Abbas Abdalwahab Abdulraheem

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**PROJECT TITLE:**  
 Community Resilience Enhancement Project (Additional Financing) THABAT AF Component 1 (Community Led Delivery of Basic Services)

**Health Facilities**



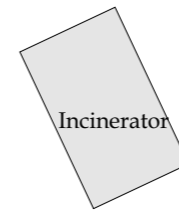
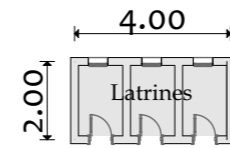
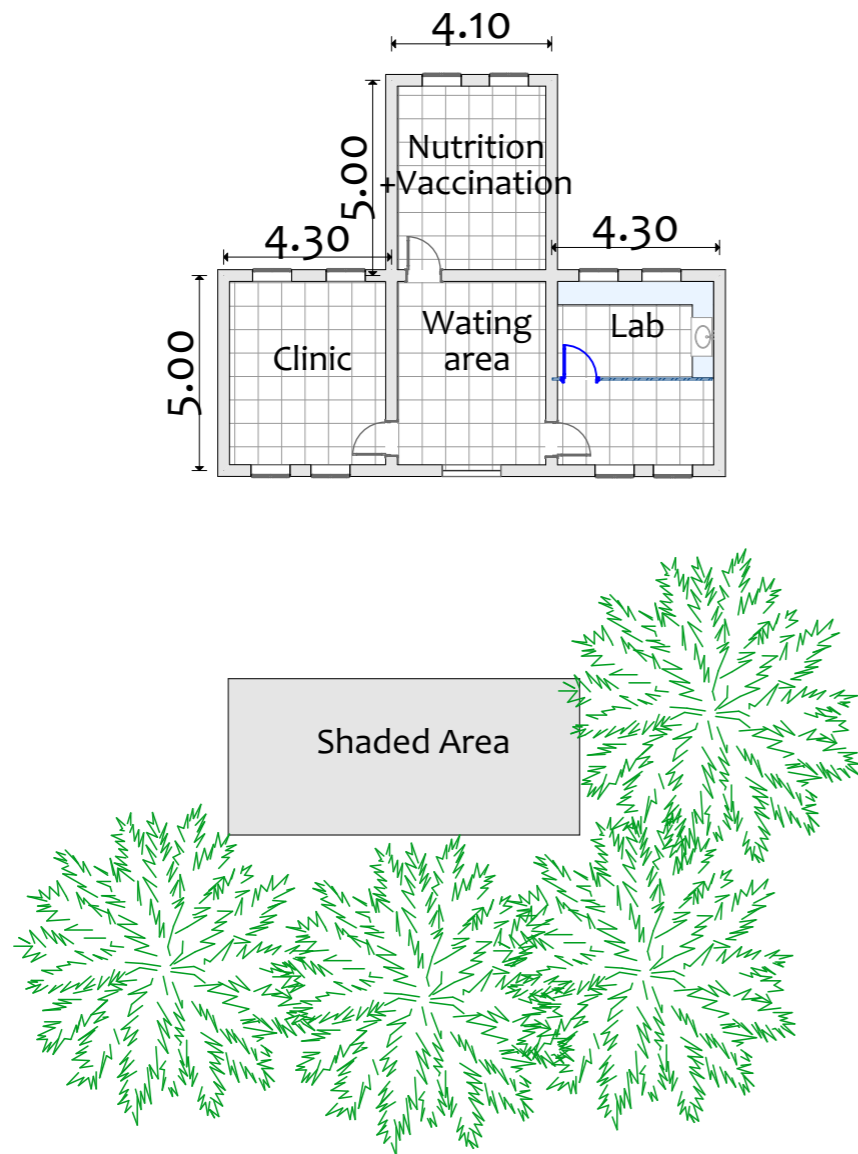
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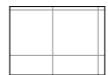
**CONSULTANT :**  
 Abbas Abdalwahab Abdulraheem

**Drawing Title:**  
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NOTES:



New Floor Tiles

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PROJECT TITLE:

Community Resilience Enhancement Project (Additional Financing) THABAT AF Component 1 (Community Led Delivery of Basic Services)

Health Facilities

Organization



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CONSULTANT :

Abbas Abdalwahab Abdulraheem

Drawing Title:

Basanga PHC  
New Ground Floor Plan

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## Summary Of Rehabilitation Interventions

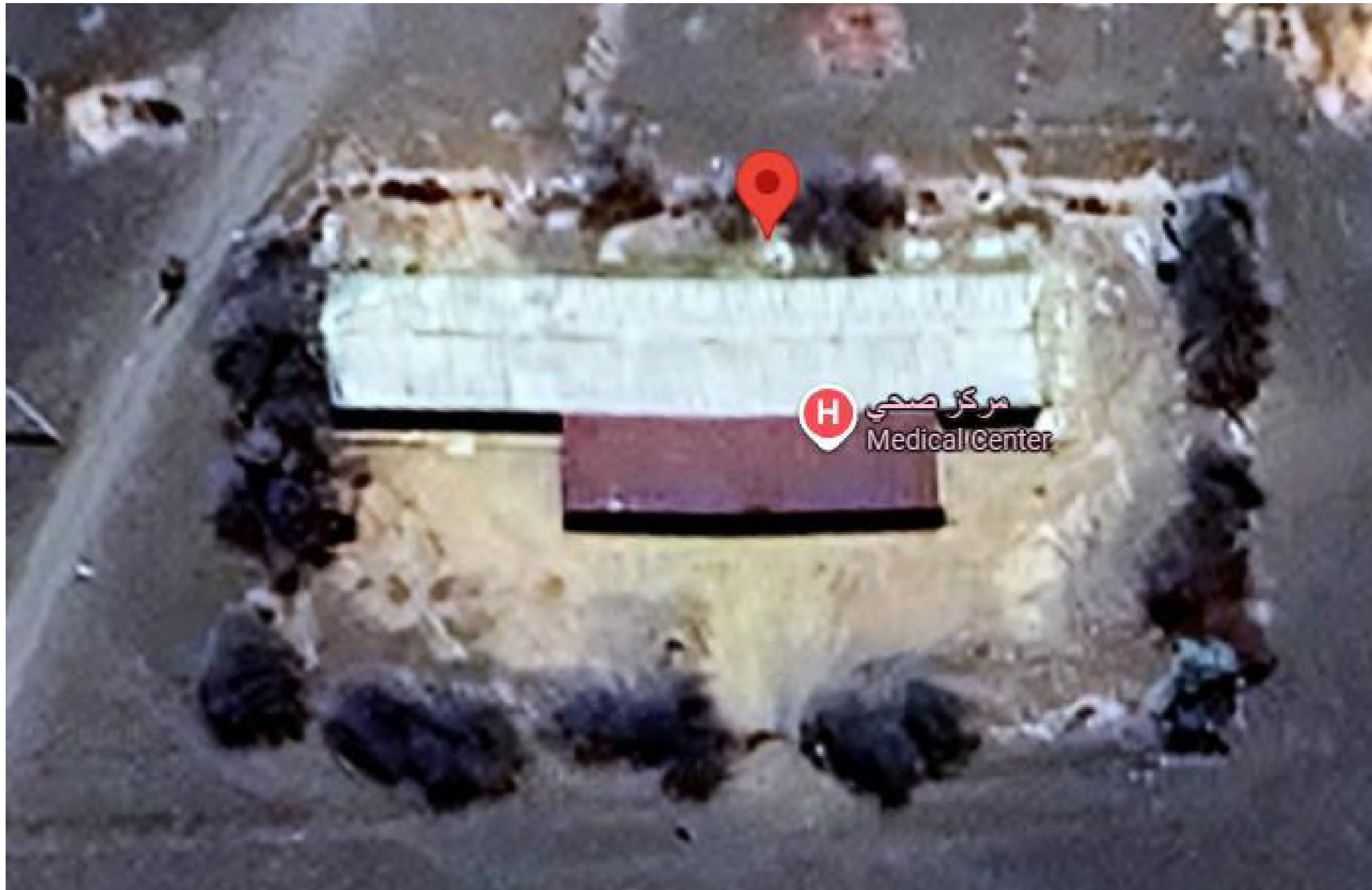
### General Rehabilitation

- Removal of old plaster and ceiling coating from rooftop
- Slope correction with sesame crushed stone concrete
- Cement:sand mortar skirting application- Two coats of acrylic waterproofing
- Drainage pipe installation
- Parapet raising with single-brick wall- Parapet plastering
- Internal and external wall painting- Floor repairs including tile removal, soil scraping, backfilling, concrete flooring, and ceramic tile installation- Door and window maintenance
- Ceiling fan and lamp installation
- Socket installation- Hand-wash basin installation
- Aluminum counter construction
- Aluminum partition installation##

### Wash Interventions

- Supply and installation of hand-wash basin in doctor's room with soakaway pit
- Installation of fresh water network to doctor's room and lab using 1" PPR pipes
- Removal of bathroom floor and squat toilet
- Supply and casting of plain concrete flooring for bathroom
- Supply and installation of squat toilet seat with slope adjustment

# Alfaw Locality



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PROJECT TITLE:

Community Resilience Enhancement Project (Additional Financing) THABAT AF Component 1 (Community Led Delivery of Basic Services)

Health Facilities

Organization



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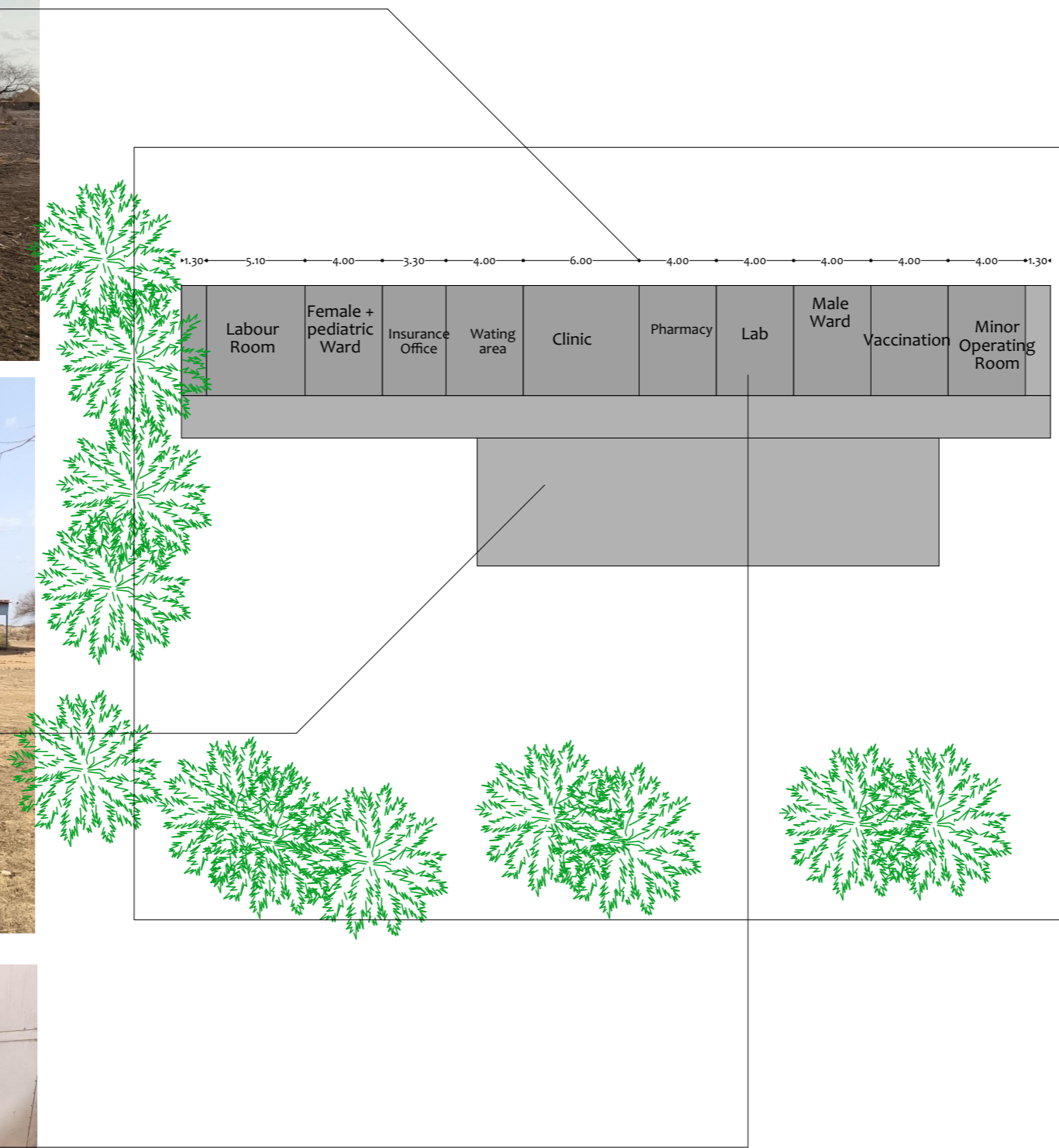
CONSULTANT :

Abbas Abdalwahab Abdulraheem

Drawing Title:

Village 13 Health Facility Location Plan

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**PROJECT TITLE:**  
 Community Resilience Enhancement Project (Additional Financing) THABAT AF Component 1 (Community Led Delivery of Basic Services)

**Health Facilities**

**Organization**



**Donor**



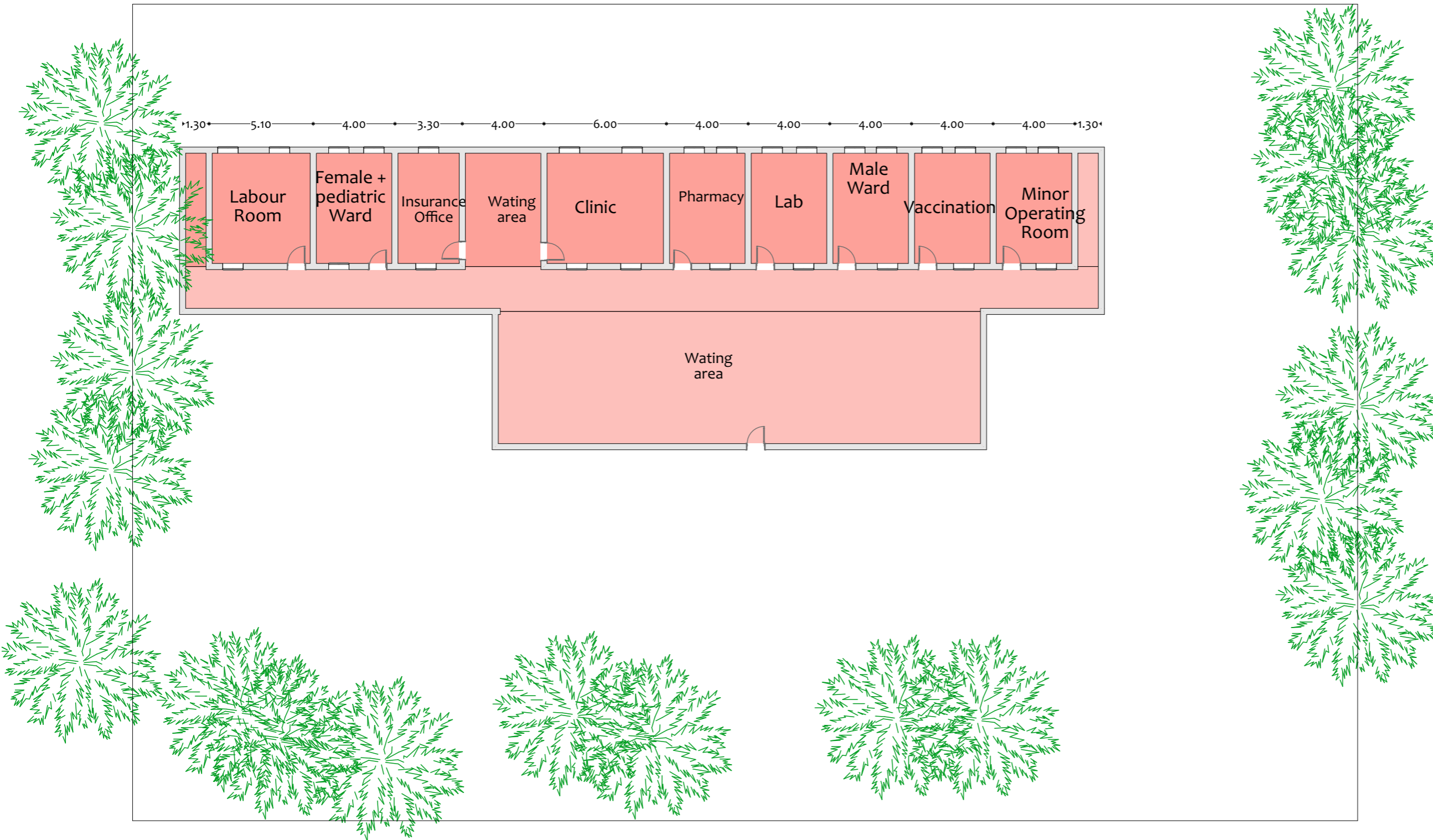
**CONSULTANT :**

Abbas Abdalwahab Abdulraheem




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**NOTES :**

-  Removal Floors
-  Removal Doors
-  Removal Window

**KEY PLAN**

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**Revisions**

**PROJECT TITLE:**  
 Community Resilience Enhancement Project (Additional Financing) THABAT AF Component 1 (Community Led Delivery of Basic Services)

**Health Facilities**

**Organization**



Mercy Corps Europe, Sudan


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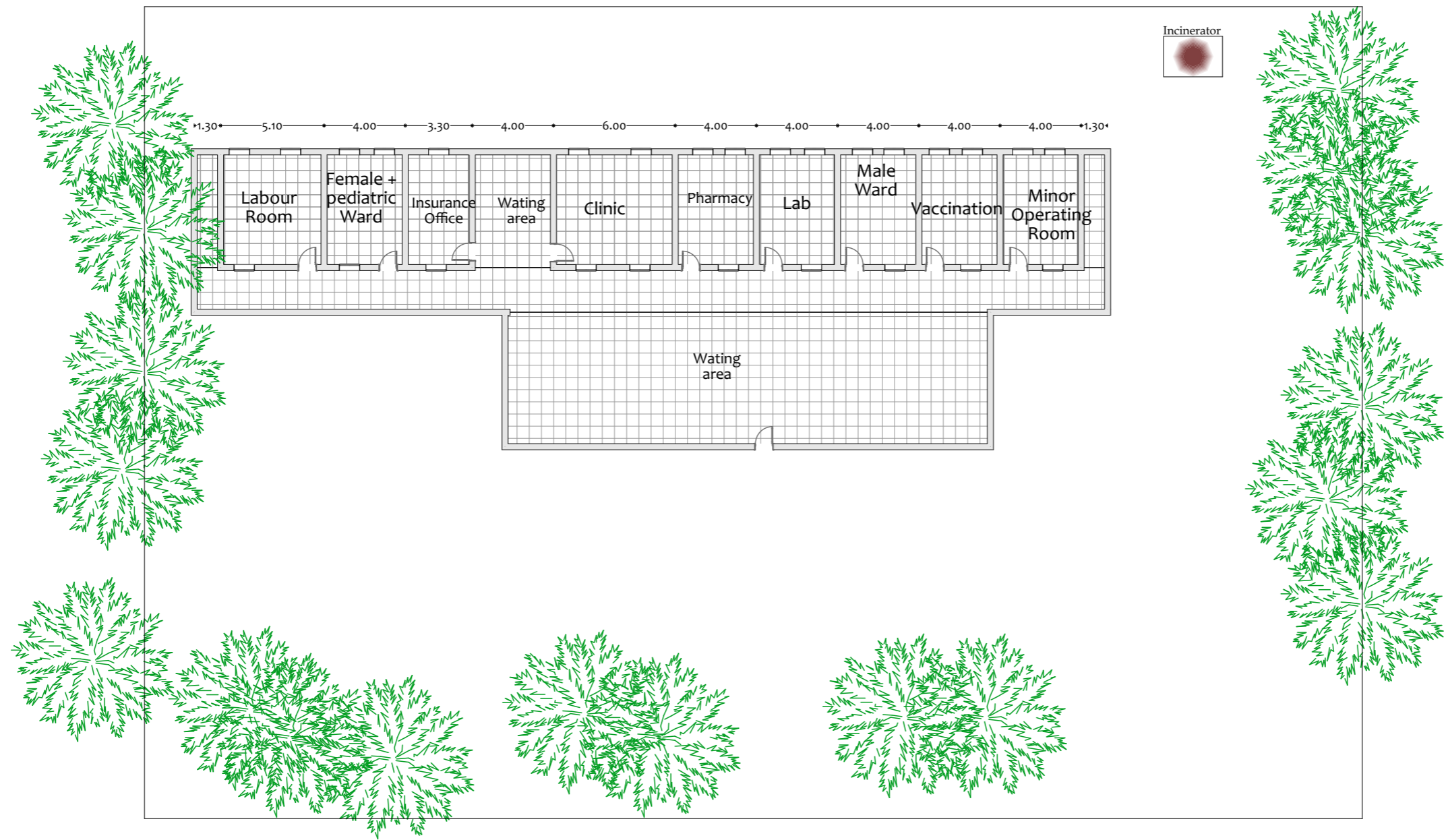


Sudan Transition and Recovery Support


**CONSULTANT :**  
 Abbas Abdalwahab Abdulraheem

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**NOTES :**

-  New Floor Tiles
-  New Wall
-  New Ceiling

**KEY PLAN**

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**PROJECT TITLE:**  
 Community Resilience Enhancement Project (Additional Financing) THABAT AF Component 1 (Community Led Delivery of Basic Services)

**Health Facilities**



**CONSULTANT :**  
 Abbas Abdalwahab Abdulraheem

**Drawing Title:**  
 Village 13 Health Facility New Ground Floor Plan

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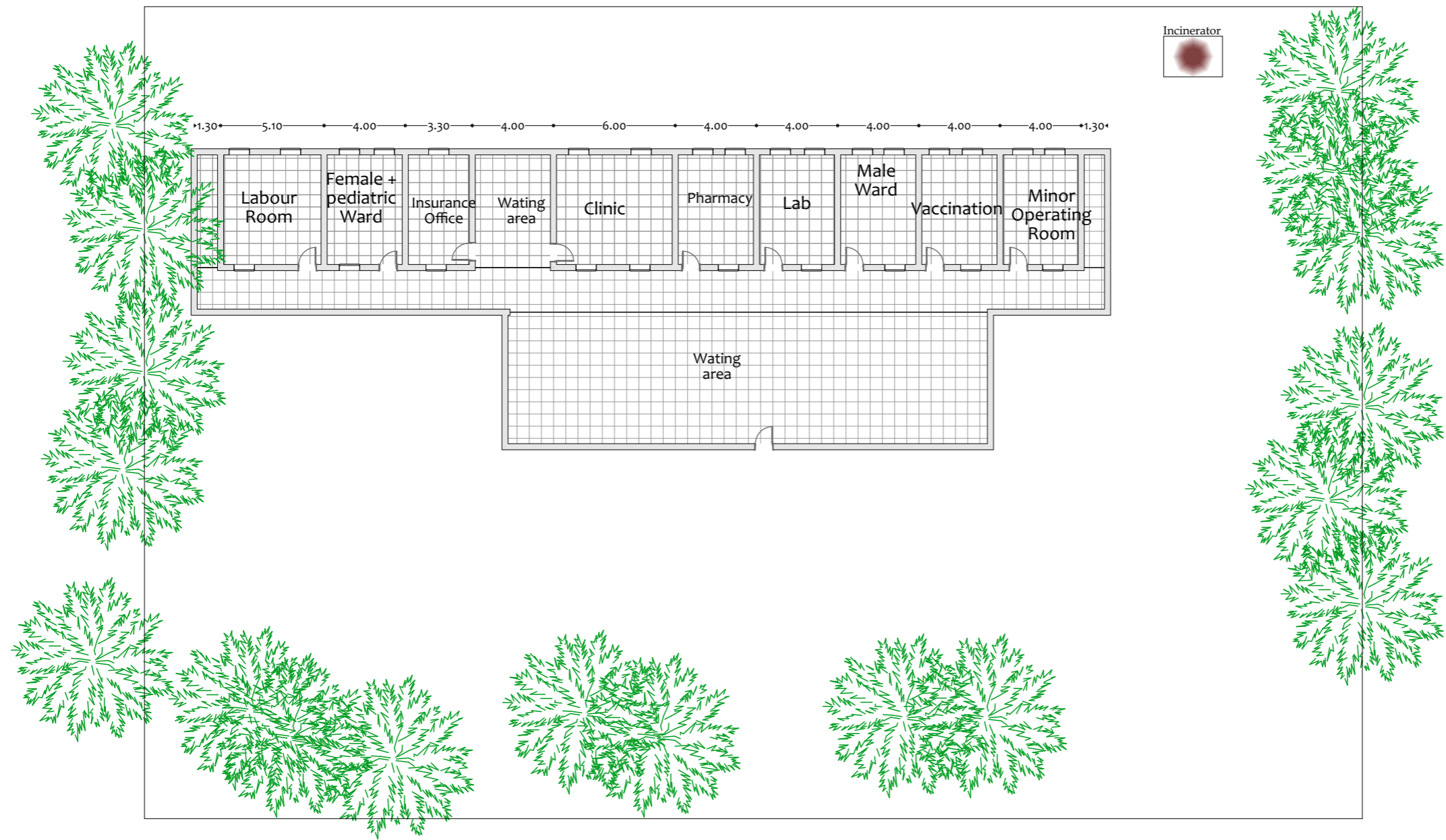
**Summary Of Rehabilitation Interventions**

**General Rehabilitation**



- Removal of existing formwork and zinc roof- New roof installation with heavy local zinc
- Suspended ceiling installation
- Acrylic waterproof paint application
- Floor repairs including tile removal, soil scraping, backfilling, concrete flooring, and ceramic tile installation
- Exterior wall plastering- Internal and external wall painting
- Door and window maintenance- Ceiling fan and lamp installation
- Socket installation
- Wash basin installation- Iron partition removal and aluminum partition installation
- Steps removal and reconstruction- Laboratory platform construction

**Wash Interventions**

- Painting of external walls and bathrooms with three coats of Bomasque
- Supply and installation of hand wash basins
- Construction of septic tanks
- Supply and connection of potable water network
- Latrines rehabilitation (removal of existing seats, installation of new ones)
- Supply and construction of steps
- Supply and installation of new doors
- Supply and construction of walls
- Supply and application of plaster on walls
- Painting of bathroom walls
- Supply and installation of ventilation pipes
- Construction of ground base for water tank



**NOTES :**

-  New Floor Tiles
-  New Wall
-  New Ceiling

**KEY PLAN**

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 Community Resilience Enhancement Project (Additional Financing) THABAT AF Component 1 (Community Led Delivery of Basic Services)

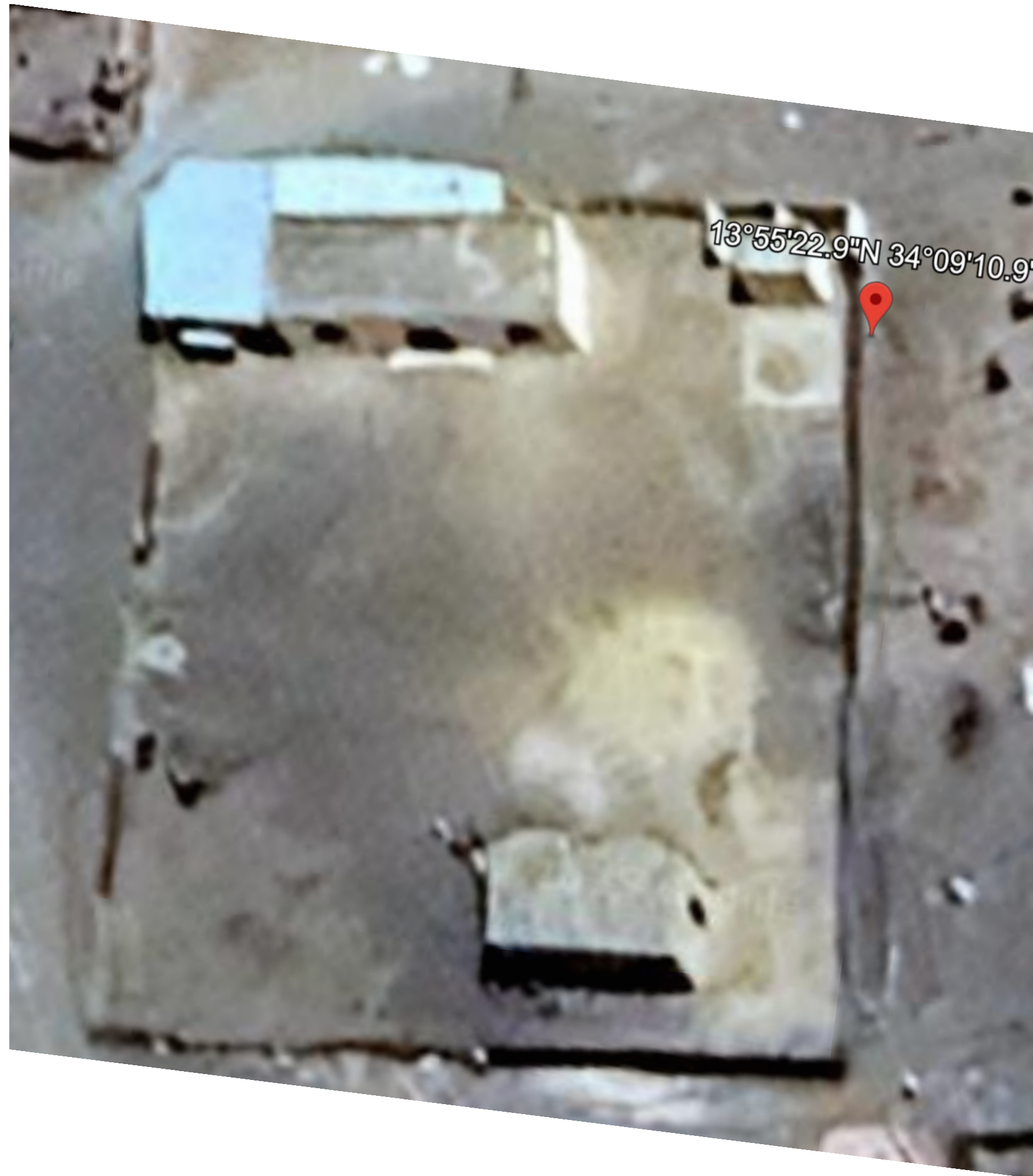
**Health Facilities**



**CONSULTANT :**  
 Abbas Abdalwahab Abdulraheem

**Drawing Title:**  
 Village 13 Health Facility Reflected Ceiling Plan

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**PROJECT TITLE:**  
 Community Resilience Enhancement Project (Additional Financing) THABAT AF Component 1 (Community Led Delivery of Basic Services)

**Health Facilities**

**Organization**



**Donor**



**CONSULTANT :**

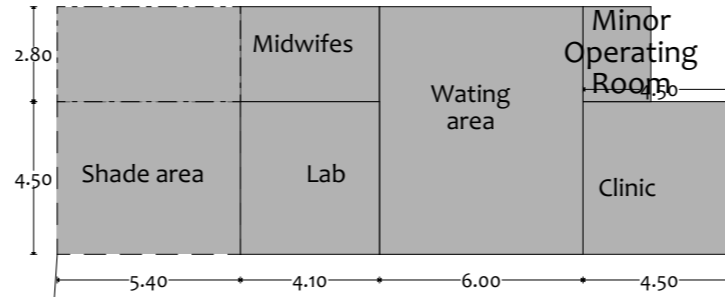
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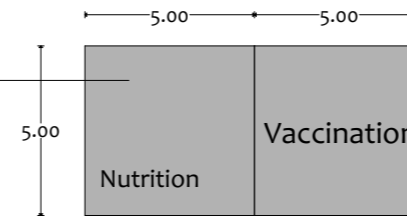
Village 7 Health Facility Location Plan

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Project No.	Sheet No.	Rev. No.
PO# 40452947	A.01.40	<b>0</b>



Latrines



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KEY PLAN

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Revisions

PROJECT TITLE:

Community Resilience Enhancement Project (Additional Financing) THABAT AF Component 1 (Community Led Delivery of Basic Services)

Health Facilities

Organization



Donor



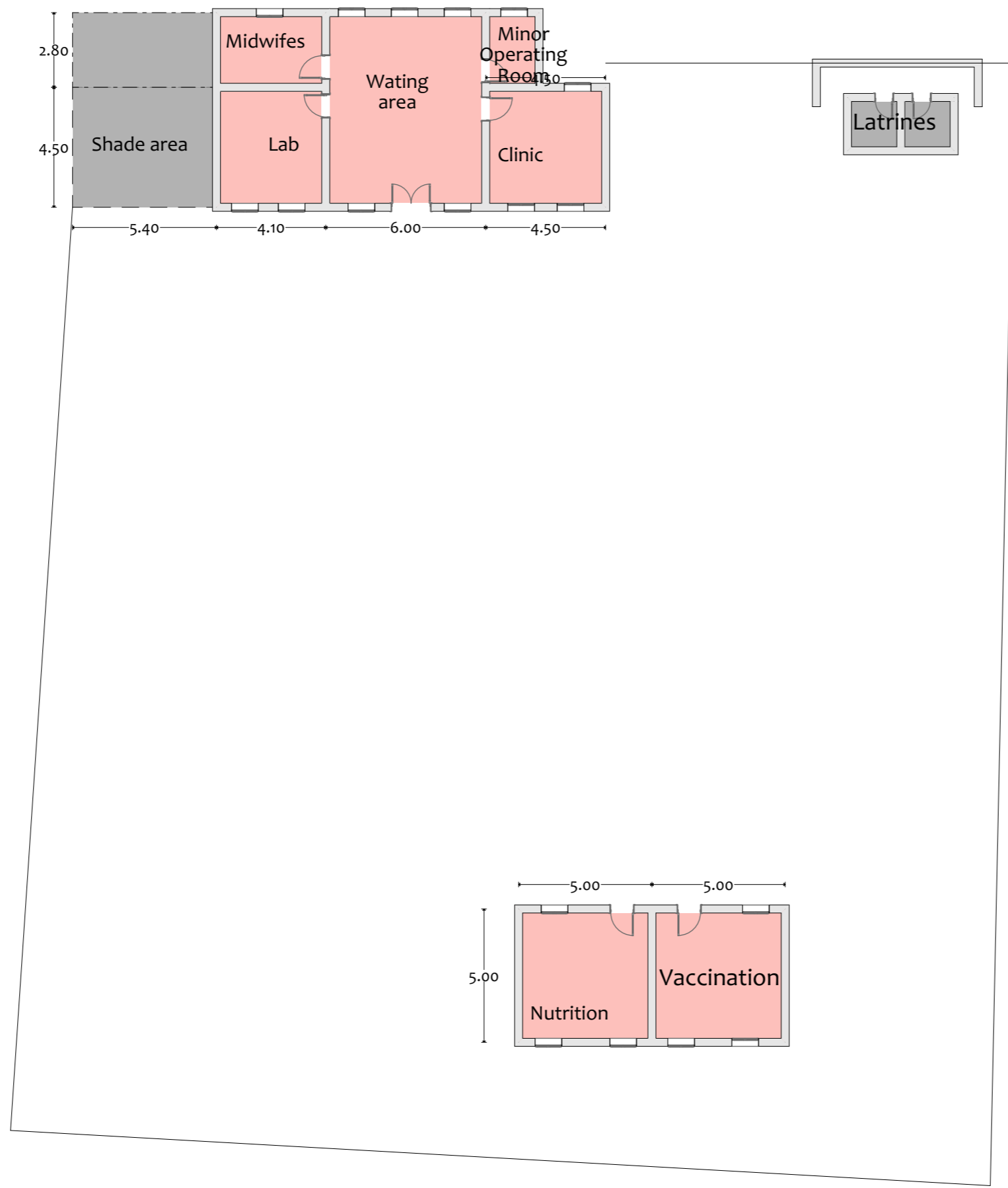
CONSULTANT :

Abbas Abdalwahab Abdulraheem




Drawing Title:

Village 7 Health Facility Existing Layout

Org. Sheet Size:	Date:	
<b>A3</b>	August-2025	
	Scale:	
Project No.	Sheet No.	Rev. No.
PO# 40452947	A.01.41	0



**NOTES:**

-  Removal Floors
-  Removal Doors
-  Removal Window

**KEY PLAN**

No.	Description:	Date
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**Revisions**

**PROJECT TITLE:**  
 Community Resilience Enhancement Project (Additional Financing) THABAT AF Component 1 (Community Led Delivery of Basic Services)

**Health Facilities**



**Donor**



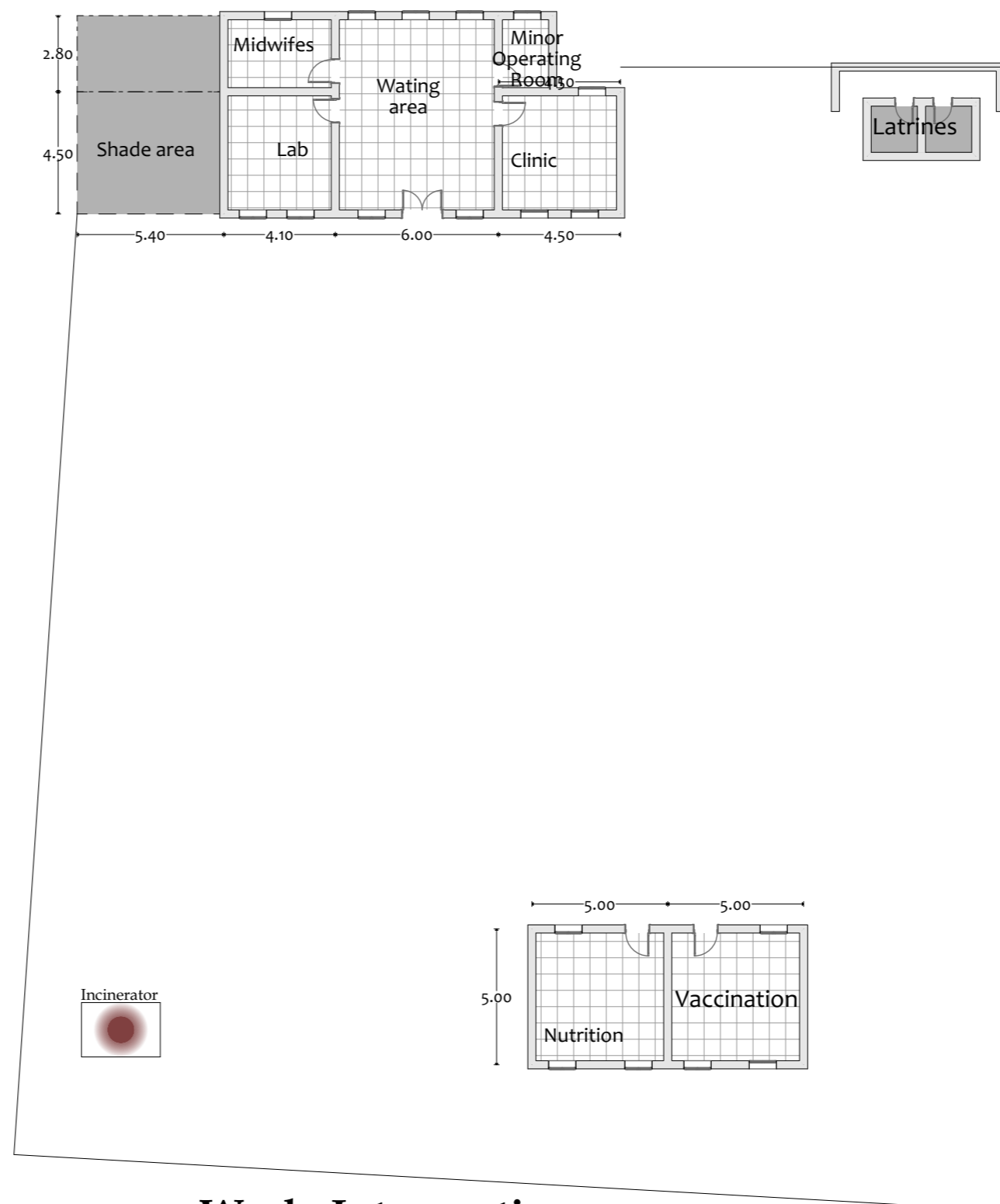
**CONSULTANT :**

Abbas Abdalwahab Abdulraheem




**Drawing Title:**

Village 7 Health Facility Ground Floor Plan

Org. Sheet Size:	Date:	
<b>A3</b>	August-2025	
	Scale:	
Project No.	Sheet No.	Rev. No.
PO# 40452947	A.01.42	<b>0</b>



**NOTES:**

-  New Floor Tiles
-  New Wall
-  New Ceiling

**KEY PLAN**

Drawn	Chkd.
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No.	Description	Date
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**Revisions**

**PROJECT TITLE:**  
Community Resilience Enhancement Project (Additional Financing) THABAT AF Component 1 (Community Led Delivery of Basic Services)

**Health Facilities**

**Organization**



**Donor**



**CONSULTANT :**

Abbas Abdalwahab Abdulraheem

**Drawing Title:**

Village 7 Health Facility  
New Ground Floor Plan

Org. Sheet Size:	Date:	
<b>A3</b>	August-2025	
	Scale:	
Project No.	Sheet No.	Rev. No.
PO# 40452947	A.01.43	<b>0</b>

**Summary Of Rehabilitation Interventions**

**General Rehabilitation**

- Removal of old plaster, paint, tiles, and debris
- Casting sesame concrete for slope control
- Cement plastering and curb construction
- Waterproofing with acrylic paint and geotextile layer
- Installation of spout pipes
- Flooring with plain concrete and ceramic tiles
- Plastering and painting of interior/exterior walls and ceilings
- Maintenance of doors and windows
- Installation of air conditioners, ceiling fans, lamps, and sockets
- Construction of aluminum partitions for laboratory
- Masonry works and roof construction with zinc sheets
- Fabrication of new doors and windows
- Construction of stairs and backfilling with rubble
- **Incinerator\***

**Wash Interventions**

- Supply and installation of Salomi first-grade ceramic tiles
- Supply and plastering of walls and ceiling
- Painting of walls and ceiling with Bomasque paint
- Supply and installation of hand wash basins
- Construction of sumps
- Connection of potable water network
- Latrines rehabilitation (removal and installation of toilet seats)
- Supply and construction of steps
- Supply and installation of new doors
- Supply and construction of walls
- Supply and plastering of walls
- Painting of bathroom walls
- Supply and installation of ventilation pipes
- Construction of tank base

# Alfashaga Locality



NOTES:

KEY PLAN

		Drawn	Chkd.
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No.	Description:	Date
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Revisions

**PROJECT TITLE:**  
 Community Resilience Enhancement Project (Additional Financing) THABAT AF Component 1 (Community Led Delivery of Basic Services)

**Health Facilities**

**Organization**



**Donor**



**CONSULTANT :**

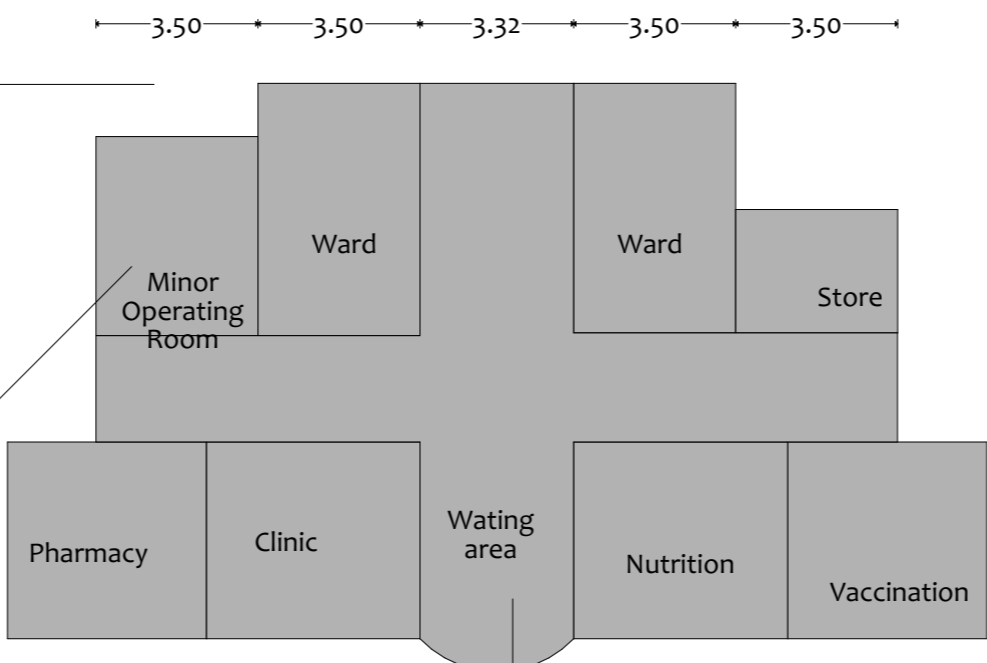
Abbas Abdalwahab Abdulraheem

**Drawing Title:**

Al tomat Health Facility Location Plan

Org. Sheet Size:	Date:	
<b>A3</b>	August-2025	
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Project No.	Sheet No.	Rev. No.
PO# 40452947	A.01.44	<b>0</b>

NOTES:



Latrines

KEY PLAN

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No.	Description:	Date

Revisions

**PROJECT TITLE:**  
 Community Resilience Enhancement Project (Additional Financing) THABAT AF Component 1 (Community Led Delivery of Basic Services)

**Health Facilities**  
 Organization

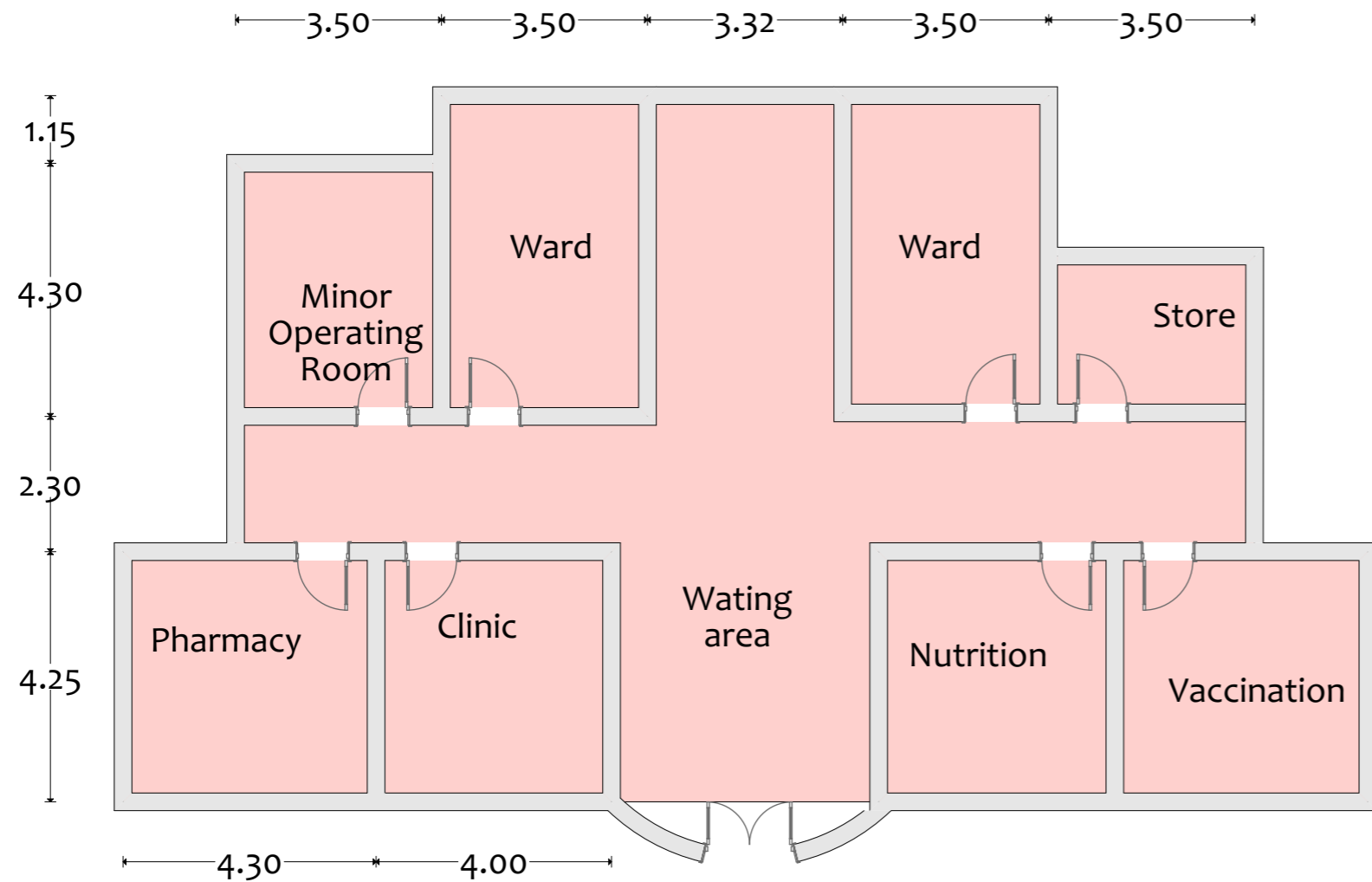


**Donor**  
  
 Sudan Transition and Recovery Support




**CONSULTANT :**  
 Abbas Abdalwahab Abdulraheem

**Drawing Title:**  
 Al tomat Health Facility Existing Layout

Org. Sheet Size:	Date:	
<b>A3</b>	August-2025	
	Scale:	
Project No.	Sheet No.	Rev. No.
PO# 40452947	A.01.45	<b>0</b>



**NOTES:**

-  Removal Floors
-  Removal Doors
-  Removal Window

Latrines

**KEY PLAN**

	Drawn	Chkd.

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No.	Description:	Date

**Revisions**

**PROJECT TITLE:**  
 Community Resilience Enhancement Project (Additional Financing) THABAT AF Component 1 (Community Led Delivery of Basic Services)

**Health Facilities**

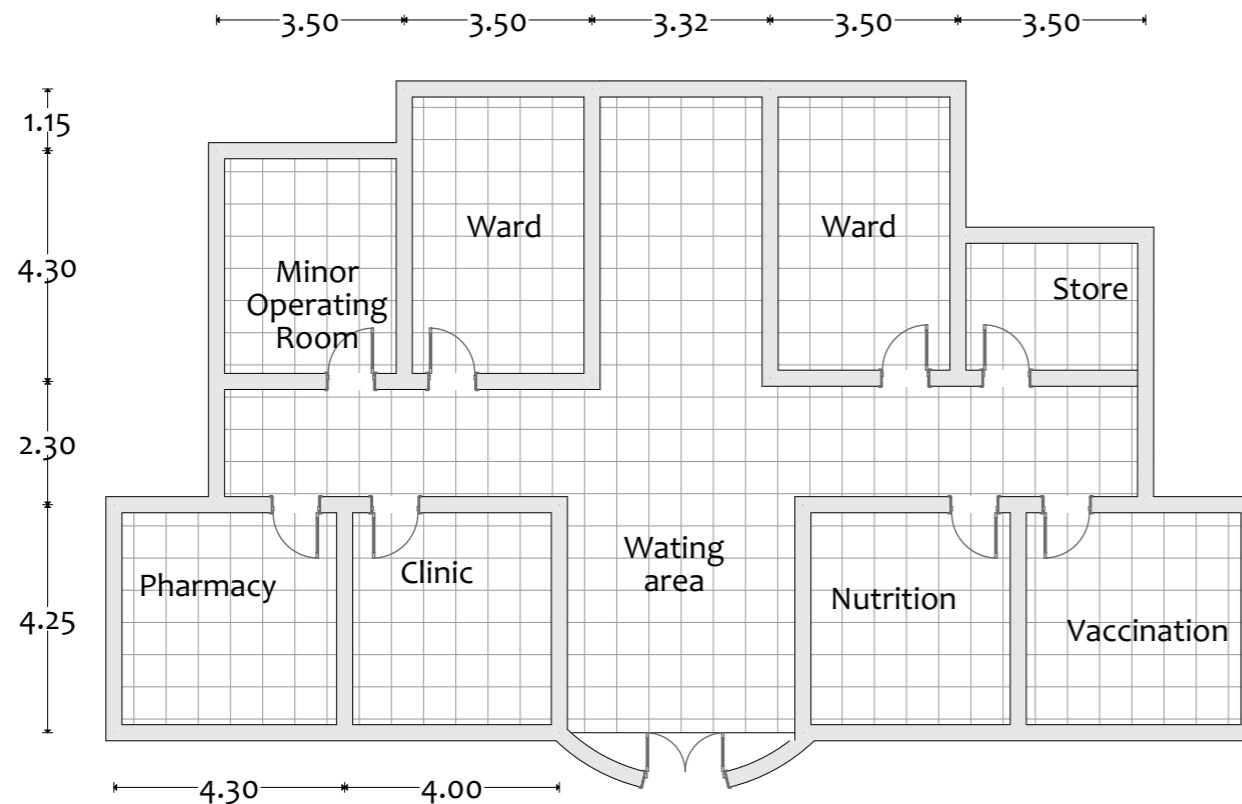
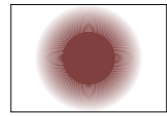


**CONSULTANT :**  
 Abbas Abdalwahab Abdulraheem

**Drawing Title:**  
 Al tomat Health Facility Ground Floor Plan

Org. Sheet Size:	Date: August-2025	
A3	Scale:	
Project No. PO# 40452947	Sheet No. A.01.46	Rev. No. <b>0</b>

Incinerator



NOTES:

- New Floor Tiles
- New Wall
- New Ceiling

KEY PLAN

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Revisions

PROJECT TITLE:

Community Resilience Enhancement Project (Additional Financing) THABAT AF Component 1 (Community Led Delivery of Basic Services)

Health Facilities

Organization



Donor



CONSULTANT :

Abbas Abdalwahab Abdulraheem

Drawing Title:

Al tomat Health Facility New Ground Floor Plan

Org. Sheet Size:	Date:	
<b>A3</b>	August-2025	
	Scale:	
Project No.	Sheet No.	Rev. No.
PO# 40452947	A.01.47	<b>0</b>

## Summary Of Rehabilitation Interventions

### General Rehabilitation

- Demolition and site clearance (rooftop finish, wall plaster, cladding, tiles, soil scraping)
- Screed concrete with sesame aggregate for slope control
- Filling with Ragaita soil and perimeter fill
- Plain concrete flooring with Sudanese cement and Girba sand
- Plaster skirting and plastering works (1:8 mix)
- Single-brick masonry for grade beams
- Waterproofing with acrylic coating and geotextile fabric
- Interior and exterior wall finishing with Bomastek putty and silk coating
- Installation of Salomi ceramic tiles
- Maintenance of steel windows and doors (painting, alignment, locks)
- Electrical works: ceiling fans, LED lamps, sockets
- **Incinerator.**

### Wash Interventions

- Adjustment and alignment of steel windows
- Supply and installation of fresh water piping network to doctor's room and laboratory
- Supply and installation of hand wash basins with soakaway pits

# Almafaza Locality



13°43'47.0"N 34°19'55.1"E



NOTES:

KEY PLAN

	Drawn	Chkd.
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No.	Description:	Date
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Revisions

PROJECT TITLE:

Community Resilience Enhancement Project (Additional Financing) THABAT AF Component 1 (Community Led Delivery of Basic Services)

Health Facilities

Organization



Donor



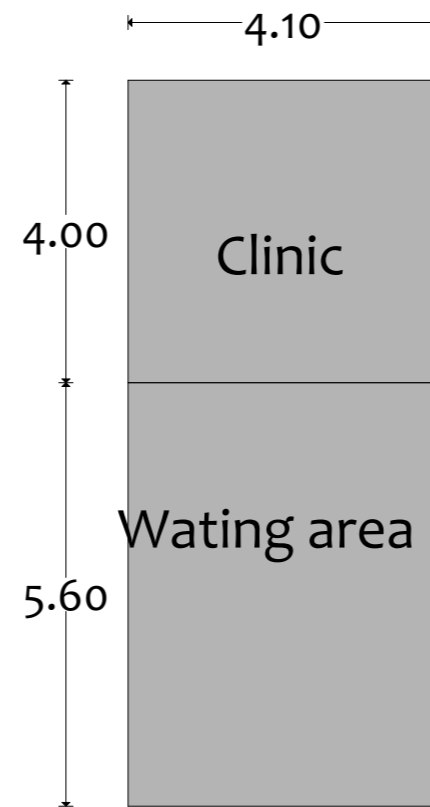
CONSULTANT :

Abbas Abdalwahab Abdulraheem

Drawing Title:

Halaly Health Facility Location Plan

Org. Sheet Size:	Date: August-2025	
<b>A3</b>	Scale:	
Project No. PO# 40452947	Sheet No. A.01.85	Rev. No. <b>0</b>



NOTES:

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Revisions

**PROJECT TITLE:**  
Community Resilience Enhancement Project (Additional Financing) THABAT AF Component 1 (Community Led Delivery of Basic Services)

**Health Facilities**

**Organization**



**Donor**



**CONSULTANT :**

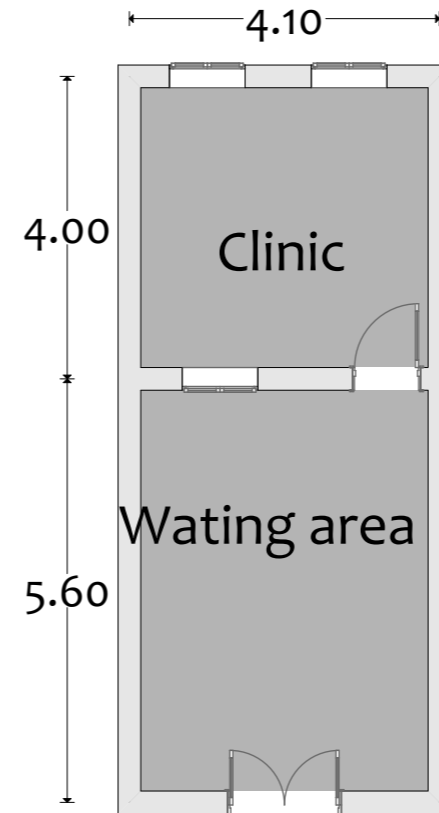
Abbas Abdalwahab Abdulraheem

**Drawing Title:**

Halaly Health Facility Existing Layout

Org. Sheet Size:	Date: August-2025	
<b>A3</b>	Scale:	

Project No.	Sheet No.	Rev. No.
PO# 40452947	A.01.86	<b>0</b>



NOTES:

KEY PLAN

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Revisions

PROJECT TITLE:

Community Resilience  
Enhancement Project (Additional  
Financing) THABAT AF  
Component 1 (Community Led  
Delivery of Basic Services)

Health Facilities

Organization



Donor



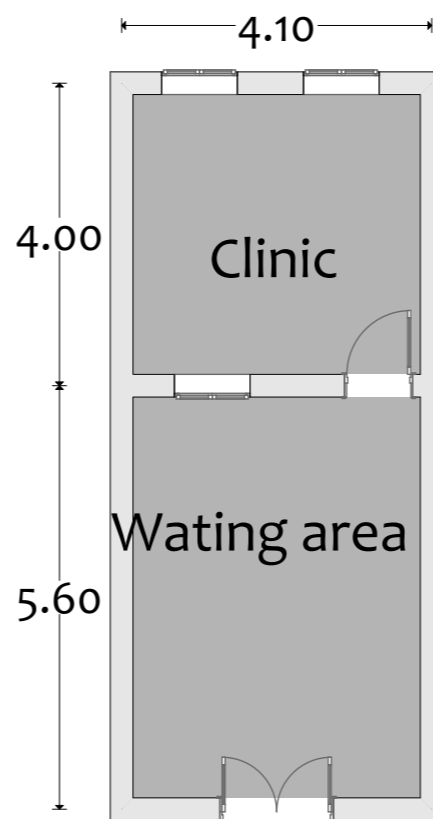
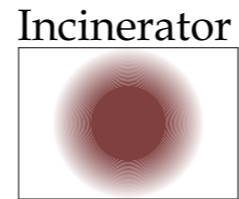
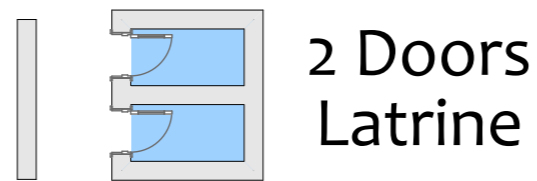
CONSULTANT :

Abbas Abdalwahab Abdulraheem

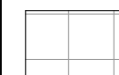
Drawing Title:

Halaly Health Facility  
Ground Floor Plan

Org. Sheet Size:	Date:	
<b>A3</b>	August-2025	
	Scale:	
Project No.	Sheet No.	Rev. No.
PO# 40452947	A.01.87	<b>0</b>



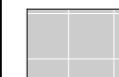
NOTES:



New Floor Tiles



New Wall



New Ceiling

KEY PLAN

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Revisions

PROJECT TITLE:

Community Resilience  
Enhancement Project (Additional  
Financing) THABAT AF  
Component 1 (Community Led  
Delivery of Basic Services)

Health Facilities

Organization



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CONSULTANT:

Abbas Abdalwahab Abdulraheem

Drawing Title:

Halaly Health Facility  
New Ground Floor Plan

Org. Sheet Size:	Date:	Rev. No.
A3	August-2025	
	Scale:	
Project No.	Sheet No.	Rev. No.
PO# 40452947	A.01.88	0

## Summary Of Rehabilitation Interventions

### General Rehabilitation

- **Masonry & Concrete:** Extensive earthworks, backfilling with compacted red gravel, and construction of double-brick masonry walls.
- **Finishing:** Comprehensive plastering and painting of all new and existing surfaces.
- **Interior Fit-Out:** including the construction of a fully-equipped lab bench with aluminum cabinets, epoxy coating, and plumbing, installation of a large aluminum and glass partition, and custom aluminum and glass pharmacy shelves.
- **Insulation:** Applied waterproofing, thermal insulation, and a suspended ceiling across the project area.

### Wash Interventions

- Construction of steel frame (cibia) using 3-inch x 5mm angle sections for water tank support
- Supply and installation of 10-barrel water tank with protective cage
- Construction of circular ground base (3m diameter, 40cm height) with 15-barrel water tank
- Supply and installation of handwashing stations (80-liter barrel on steel stand) with soakaway pits
- Installation of water connections from storage tank to laboratory handwashing basin using 3/4-inch PPR pipes (20 bar)
- Installation of Italian-made 1 HP water pump with protective pump box
- Construction of 2-door latrine block



NOTES:

KEY PLAN

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Revisions

**PROJECT TITLE:**  
 Community Resilience Enhancement Project (Additional Financing) THABAT AF Component 1 (Community Led Delivery of Basic Services)

Health Facilities

Organization



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CONSULTANT :

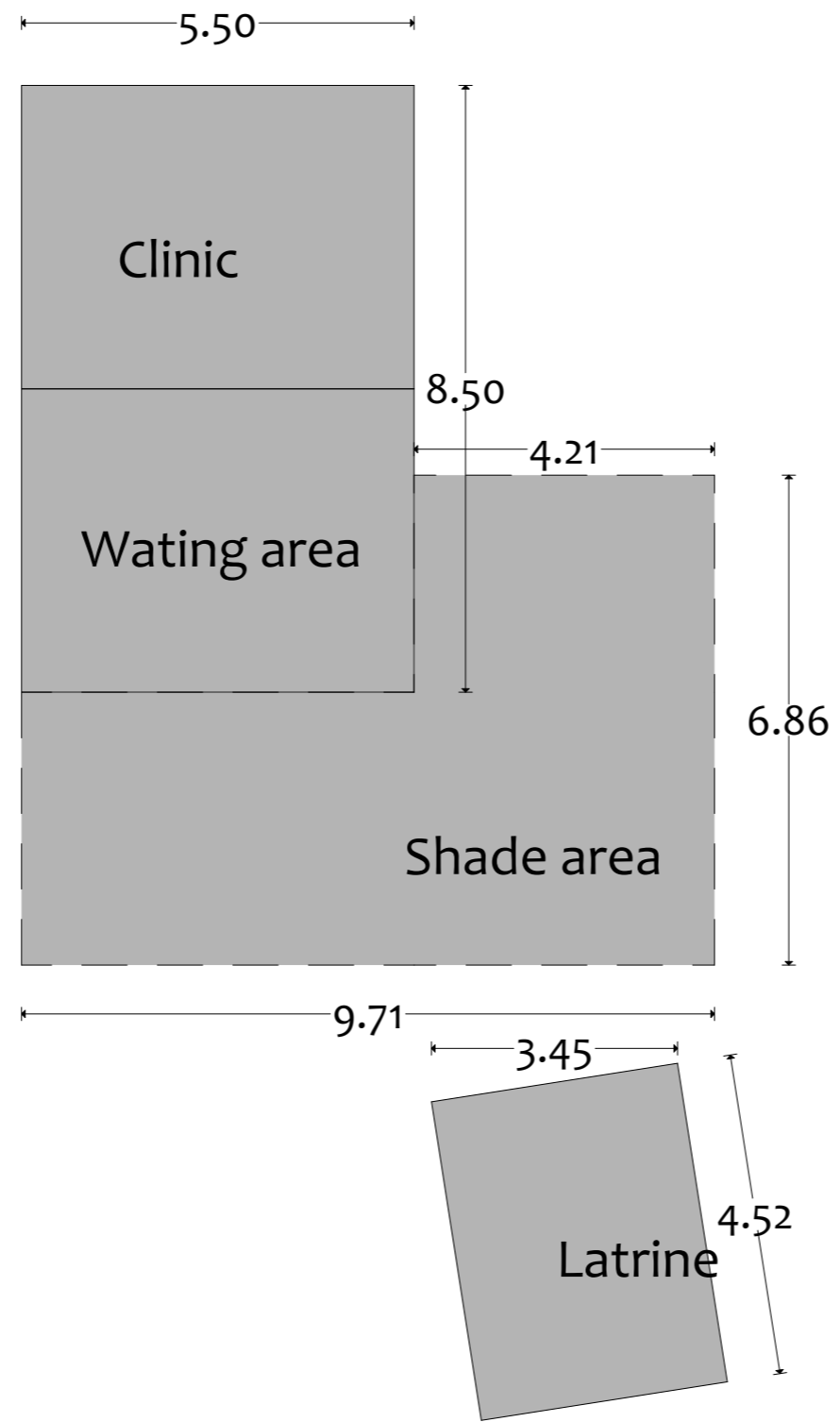
Abbas Abdalwahab Abdulraheem

Drawing Title:

Wad Awad Health Facility Location Plan

Org. Sheet Size:	Date: August-2025	
<b>A3</b>	Scale:	

Project No.	Sheet No.	Rev. No.
PO# 40452947	A.01.89	<b>0</b>



NOTES:

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Revisions

**PROJECT TITLE:**  
 Community Resilience Enhancement Project (Additional Financing) THABAT AF Component 1 (Community Led Delivery of Basic Services)

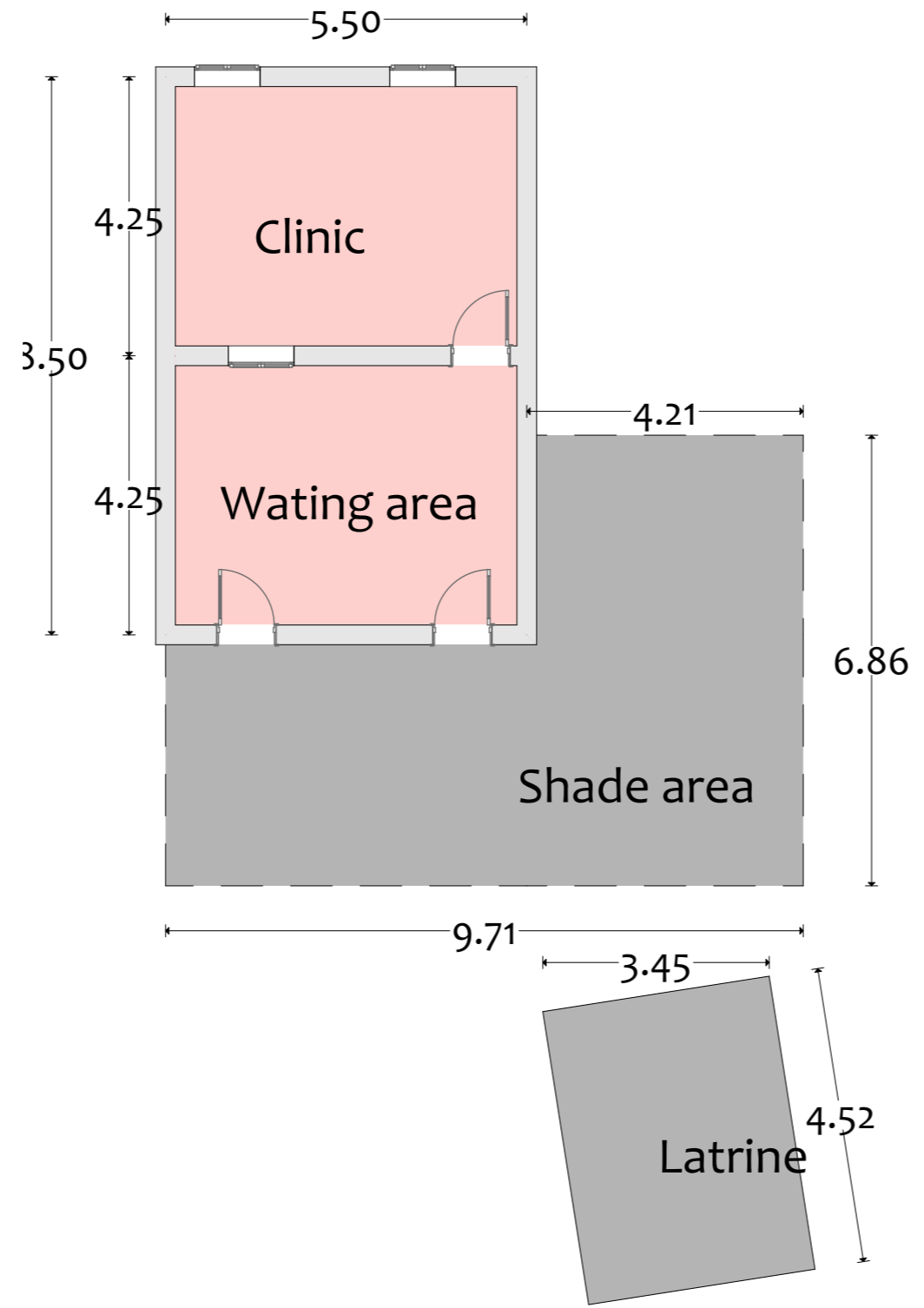
**Health Facilities**  
 Organization  
  
 Mercy Corps Europe, Sudan

**Donor**  
  
 Sudan Transition and Recovery Support




**CONSULTANT :**  
 Abbas Abdalwahab Abdulraheem

**Drawing Title:**  
 Wad Awad Health Facility Existing Layout

Org. Sheet Size:	Date:	
<b>A3</b>	August-2025	
	Scale:	
Project No.	Sheet No.	Rev. No.
PO# 40452947	A.01.90	<b>0</b>



**NOTES:**

-  Removal Floors
-  Removal Doors
-  Removal Window

**KEY PLAN**

Drawn	Chkd.	

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No.	Description:	Date
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**Revisions**

**PROJECT TITLE:**  
 Community Resilience Enhancement Project (Additional Financing) THABAT AF Component 1 (Community Led Delivery of Basic Services)

**Health Facilities**

**Organization**



**Donor**



**CONSULTANT :**

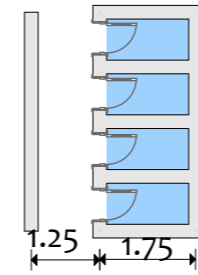
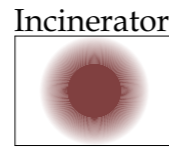
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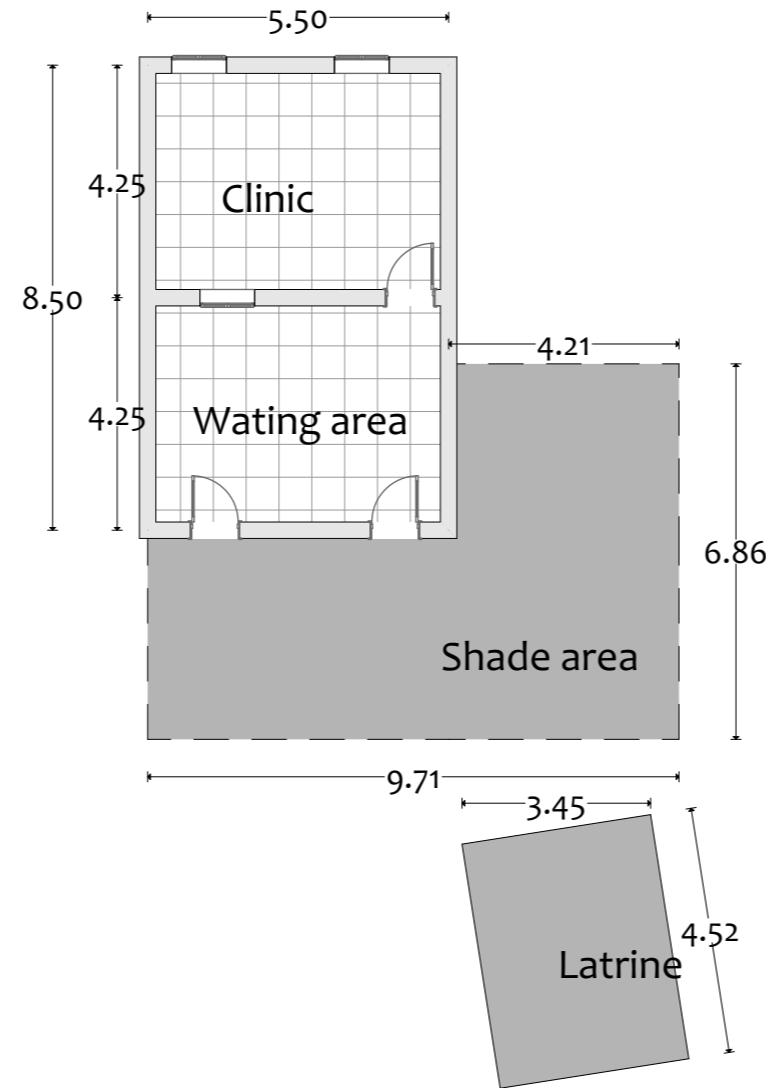
Wad Awad Health Facility Ground Floor Plan

Org. Sheet Size:	Date: August-2025	
<b>A3</b>	<b>Scale:</b>	

Project No.	Sheet No.	Rev. No.
PO# 40452947	A.01.91	<b>0</b>



4 Doors  
Latrine



NOTES:

- New Floor Tiles
- New Wall
- New Ceiling

KEY PLAN

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No.	Description:	Date

Revisions

**PROJECT TITLE:**  
Community Resilience Enhancement Project (Additional Financing) THABAT AF Component 1 (Community Led Delivery of Basic Services)

Health Facilities



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CONSULTANT :

Abbas Abdalwahab Abdulraheem

Drawing Title:

Wad Awad Health Facility  
New Ground Floor Plan

Org. Sheet Size:	Date:	
<b>A3</b>	August-2025	
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Project No.	Sheet No.	Rev. No.
PO# 40452947	A.01.92	0

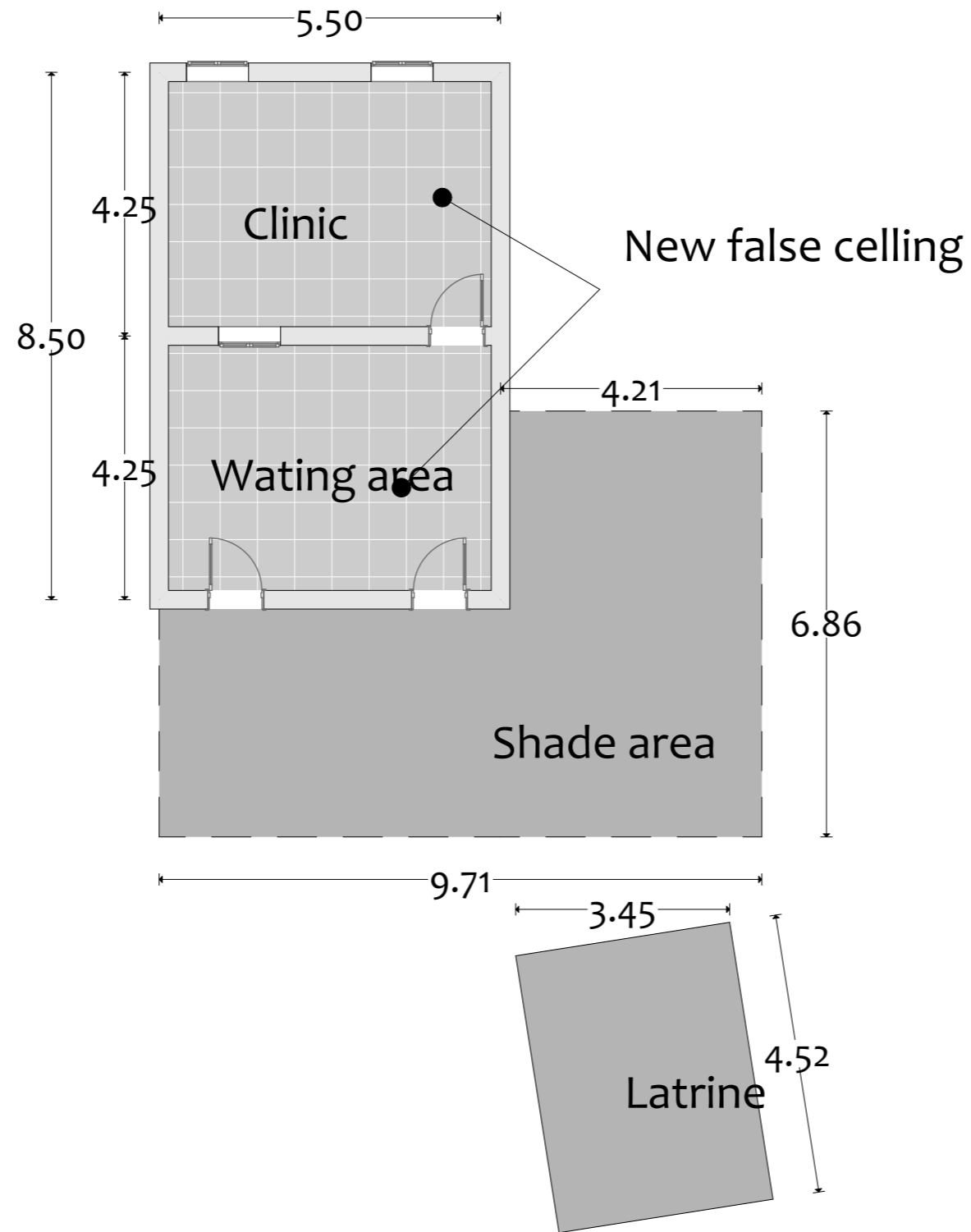
Summary Of Rehabilitation Interventions

General Rehabilitation

- **Masonry & Concrete:** Extensive earthworks, backfilling with compacted red gravel, and construction of double-brick masonry walls.
- **Finishing:** Comprehensive plastering and painting of all new and existing surfaces.
- **Interior Fit-Out:** including the construction of a fully-equipped lab bench with aluminum cabinets, epoxy coating, and plumbing, installation of a large aluminum and glass partition, and custom aluminum and glass pharmacy shelves.
- **Insulation:** Applied waterproofing, thermal insulation, and a suspended ceiling across the project area.

Wash Interventions

- Construction of 3m diameter ground base, 40cm high with 15-barrel tank
- Installation of 80L hand wash basins on steel stands with faucets and soakaway pits
- Installation of water piping from tank to lab sink using PPR 3/4" (20 bar) pipes
- Installation of Italian 1 HP water pump with 20 bar piping and protective cage
- Construction of 4-door latrine block



NOTES:

KEY PLAN

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Revisions

PROJECT TITLE:

Community Resilience Enhancement Project (Additional Financing) THABAT AF Component 1 (Community Led Delivery of Basic Services)

Health Facilities

Organization



Donor



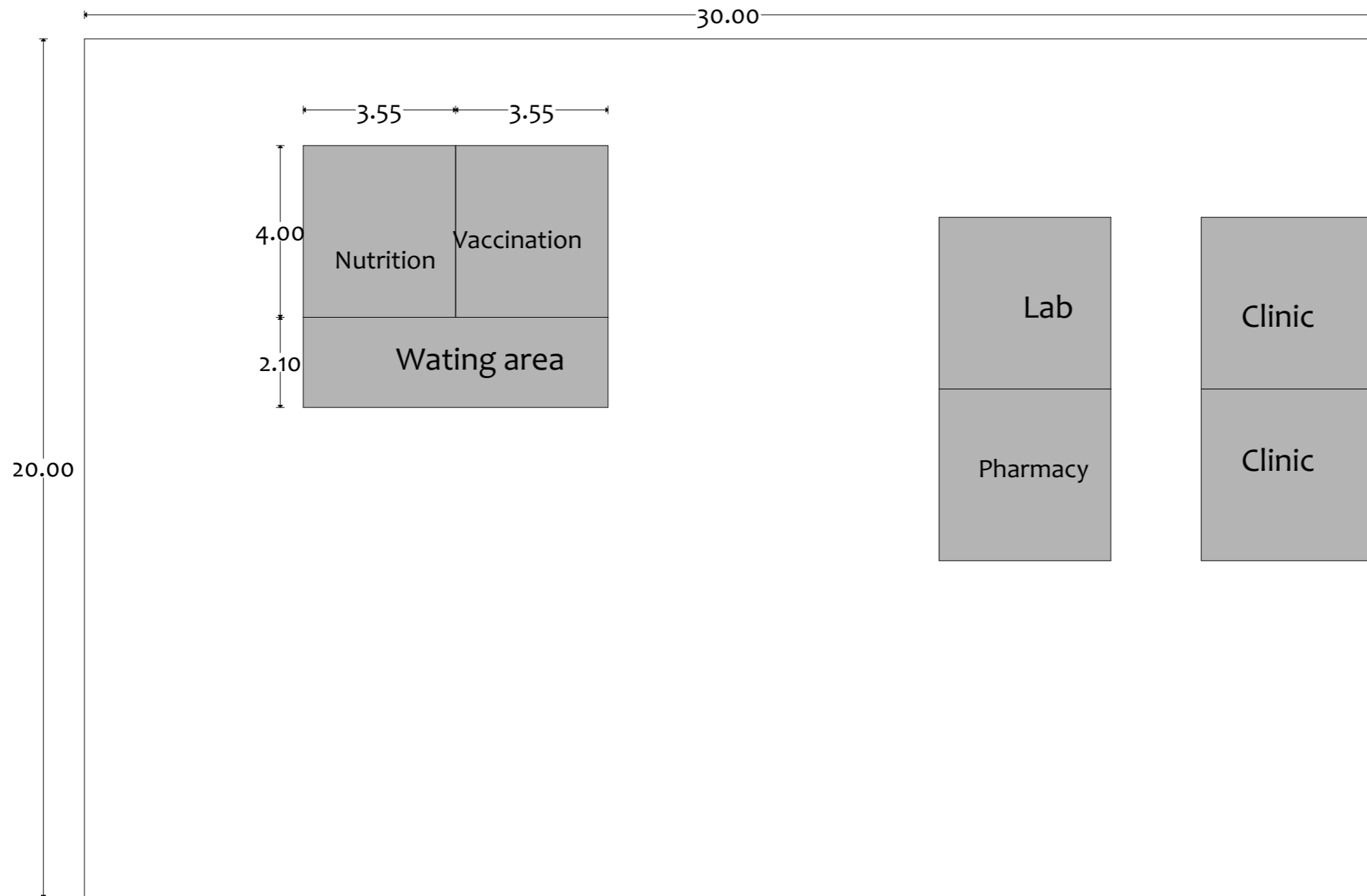
CONSULTANT :

Abbas Abdalwahab Abdulraheem

Drawing Title:

Wad Awad Health Facility Reflected Ceiling Plan

Org. Sheet Size:	Date:	
<b>A3</b>	August-2025	
	Scale:	
Project No.	Sheet No.	Rev. No.
PO# 40452947	A.01.93	<b>0</b>



NOTES:

KEY PLAN

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No.	Description:	Date

Revisions

PROJECT TITLE:

Community Resilience  
Enhancement Project (Additional  
Financing) THABAT AF  
Component 1 (Community Led  
Delivery of Basic Services)

Health Facilities

Organization



Donor



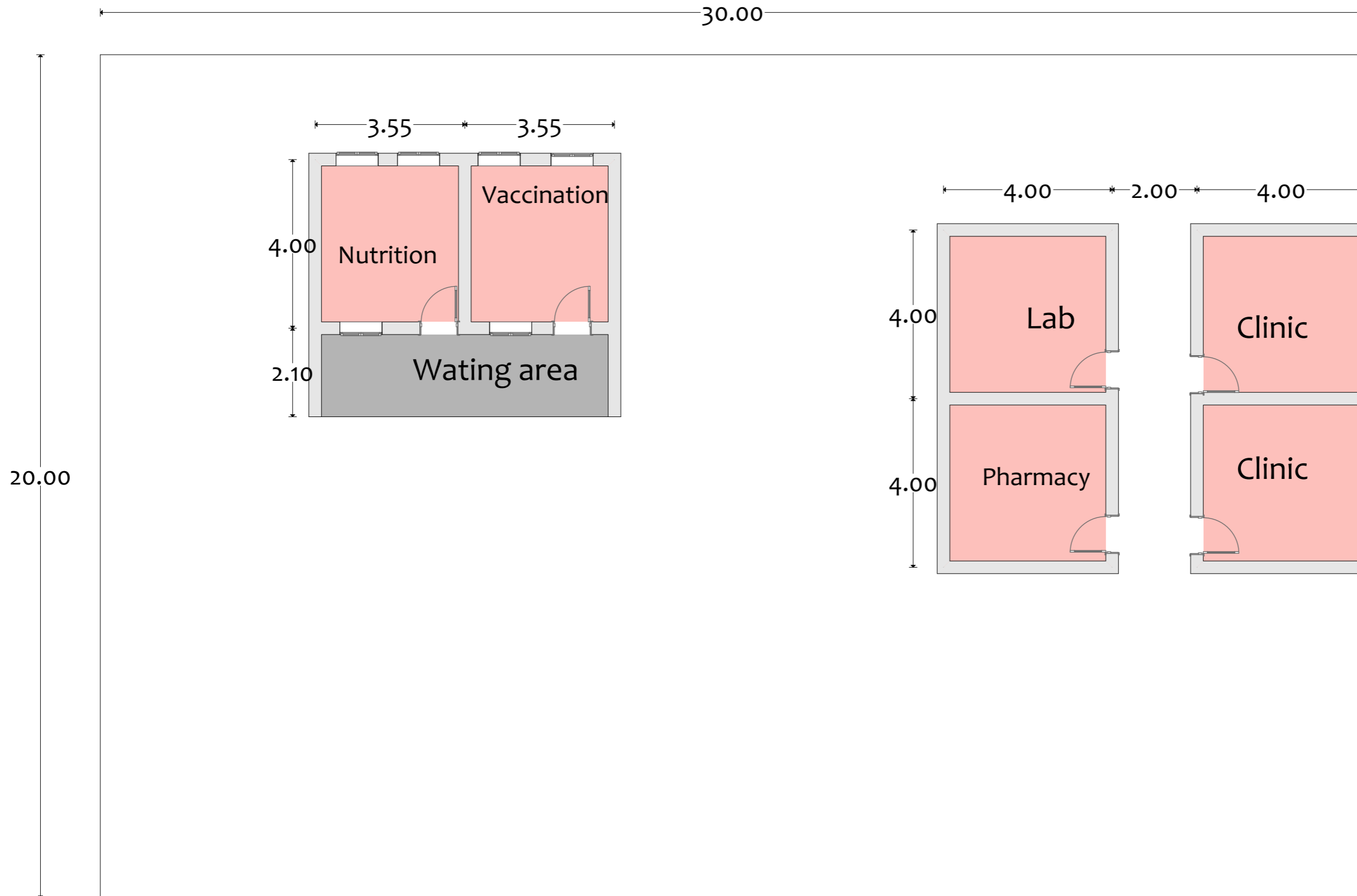
CONSULTANT :

Abbas Abdalwahab Abdulraheem




Drawing Title:

Al oshara Health Facility  
Existing Layout

Org. Sheet Size:	Date:	
<b>A3</b>	August-2025	
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Project No.	Sheet No.	Rev. No.
PO# 40452947	A.01.103	<b>0</b>



**NOTES:**

-  Removal Floors
-  Removal Doors
-  Removal Window

**KEY PLAN**

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No.	Description:	Date	

**Revisions**

**PROJECT TITLE:**  
 Community Resilience Enhancement Project (Additional Financing) THABAT AF Component 1 (Community Led Delivery of Basic Services)

**Health Facilities**

**Organization**



**Donor**



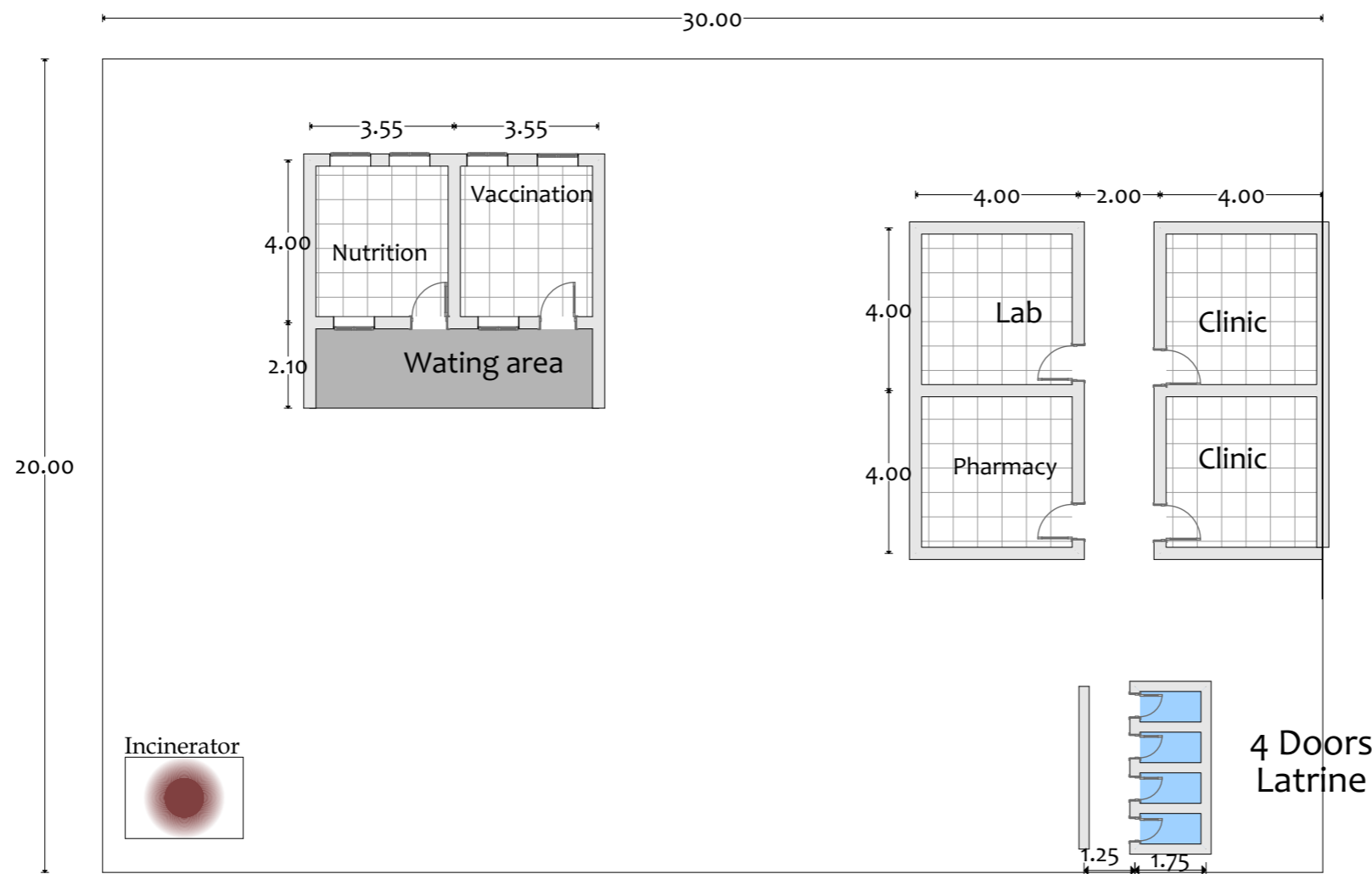
**CONSULTANT :**

Abbas Abdalwahab Abdulraheem




**Drawing Title:**

Al oshara Health Facility  
 Ground Floor Plan

Org. Sheet Size:	Date:	
<b>A3</b>	August-2025	
	Scale:	
Project No.	Sheet No.	Rev. No.
PO# 40452947	A.01.104	<b>0</b>



NOTES:

-  New Floor Tiles
-  New Wall
-  New Ceiling

KEY PLAN

No.	Description:	Date
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Revisions

PROJECT TITLE:

Community Resilience Enhancement Project (Additional Financing) THABAT AF Component 1 (Community Led Delivery of Basic Services)

Health Facilities

Organization



Donor



CONSULTANT :

Abbas Abdalwahab Abdulraheem

Drawing Title:

Al oshara Health Facility  
New Ground Floor Plan

Org. Sheet Size:	Date:	Rev. No.
<b>A3</b>	August-2025	
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Project No.	Sheet No.	Rev. No.
PO# 40452947	A.01.105	<b>0</b>

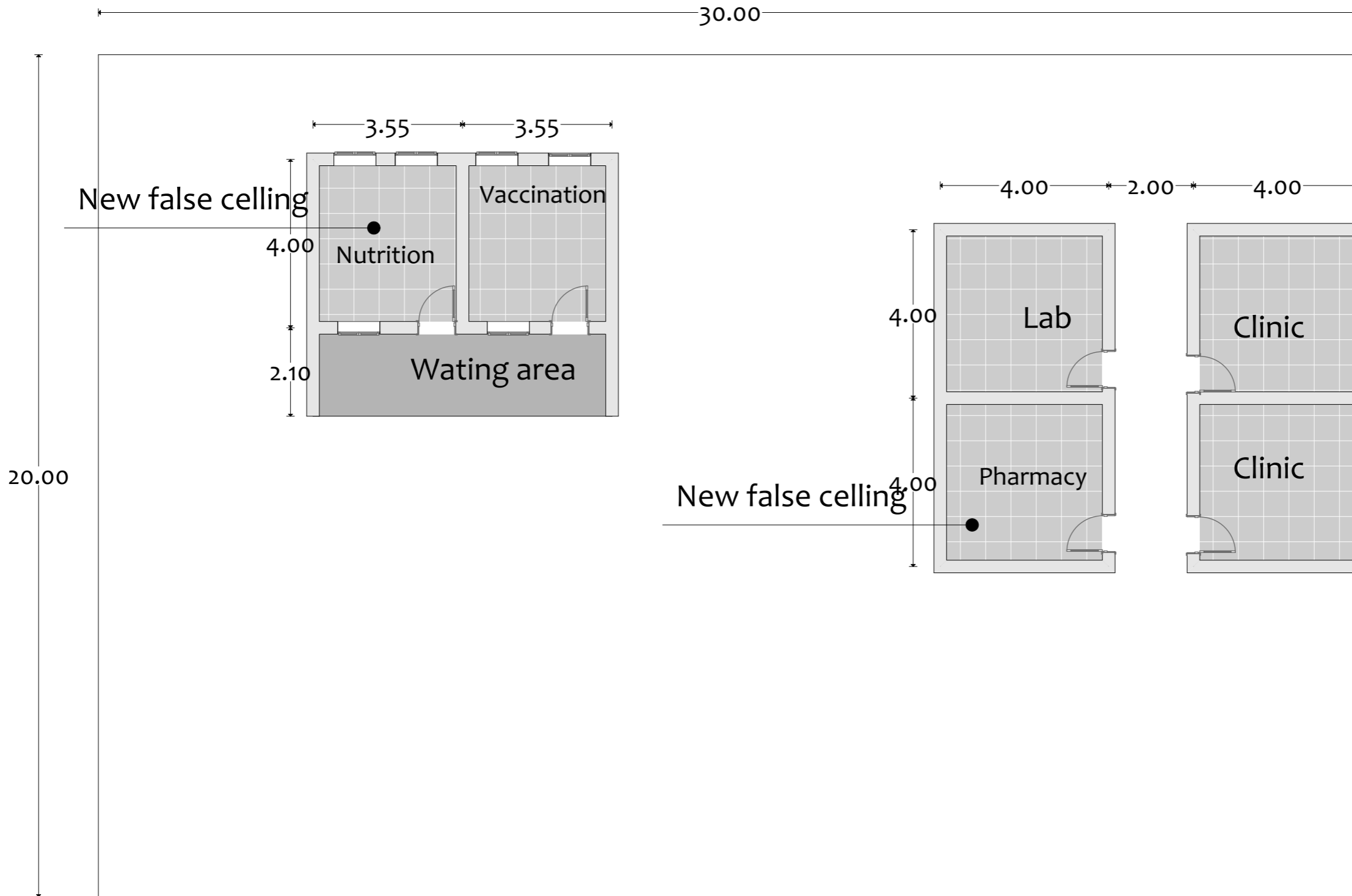
## Summary Of Rehabilitation Interventions

### General Rehabilitation

- Breaking and removal of floors (44m<sup>2</sup>) and disposing of debris off-site
- Soil scraping to 30cm depth (13.5m<sup>3</sup>) and debris disposal
- Backfilling with Reqaita soil in two layers (20cm each) with compaction
- Reinforced concrete flooring (mix 4:2:1) with D10mm steel reinforcement
- White screed application for waiting area floors (65.2m<sup>2</sup>)
- Installation of first-grade Italian Salomi ceramic tiles (44m<sup>2</sup>) with cement mortar
- Installation of ceramic skirting tiles (10cm height, 22m length)
- Removal of false ceiling (30m<sup>2</sup>) and zinc roofing sheets
- Installation of new 35mm thick local zinc sheets on existing roof purlins
- Installation of false-ceiling with Chinese padded panels including grills and steel wire
- Application of acrylic waterproofing paint (2 coats) with geotextile layer
- Construction of single-layer red brick parapet wall (40cm high)
- Plastering of parapet walls inside and outside
- Interior walls painted with Bomastic chemical plastic paint (3 coats)
- Exterior walls and parapets painted with Bomastic paint (2 coats)
- Removal of existing steps in waiting hall and construction of new Zowa timber lintels
- Backfilling around building with Ruqaita soil (30cm thick, 1m wide)
- Door and windows repairs
- Installation of ceiling fans, wall fans, and 30W Ariam lamps
- Installation of 16 Amp English plugs
- Installation of 1 HP Italian motor with PPR pipes for water pumping
- **Incinerator**

### Wash Interventions

- Installation of 1 HP Italian motor with 20 bar PPR pipes and protective box
- Construction of ground base (3m diameter, 40cm height) with 15-barrel tank
- Construction of 4-door latrine block



NOTES:

KEY PLAN

No.	Description	Date
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Revisions

PROJECT TITLE:

Community Resilience Enhancement Project (Additional Financing) THABAT AF Component 1 (Community Led Delivery of Basic Services)

Health Facilities

Organization



Donor



CONSULTANT :

Abbas Abdalwahab Abdulraheem

Drawing Title:

Al oshara Health Facility Reflected Ceiling Plan

Org. Sheet Size:	Date:	
<b>A3</b>	August-2025	
	Scale:	
Project No.	Sheet No.	Rev. No.
PO# 40452947	A.01.106	<b>0</b>



13°24'18.3"N 34°38'29.5"E



NOTES:

KEY PLAN

		Drawn	Chkd.
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No. Description: Date

Revisions

PROJECT TITLE:

Community Resilience Enhancement Project (Additional Financing) THABAT AF Component 1 (Community Led Delivery of Basic Services)

Health Facilities

Organization



Donor



CONSULTANT :

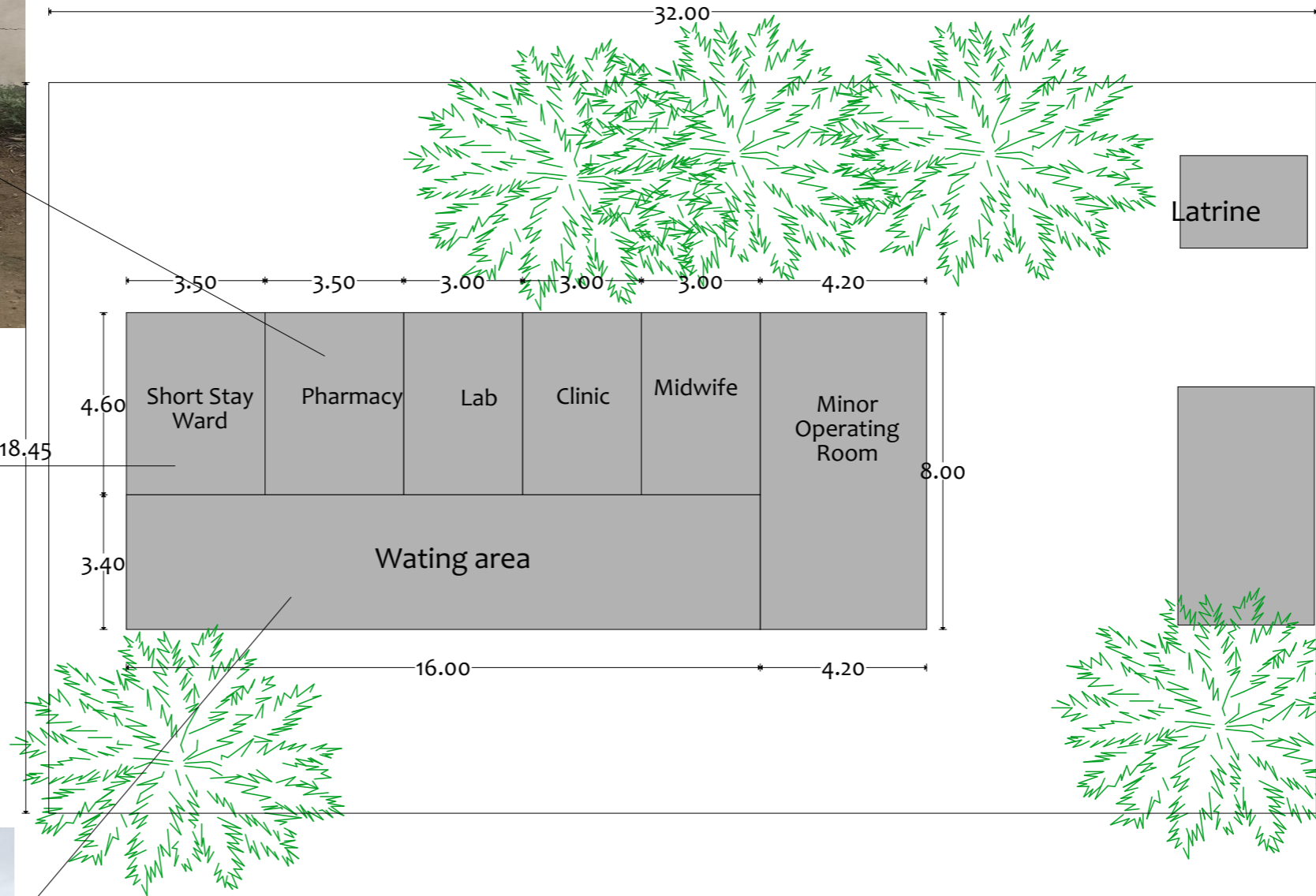
Abbas Abdalwahab Abdulraheem

Drawing Title:

Al Hegra Health Facility Location Plan

Org. Sheet Size:	Date:	
A3	August-2025	
	Scale:	

Project No.	Sheet No.	Rev. No.
PO# 40452947	A.01.111	0



NOTES:

KEY PLAN

No.	Description	Date
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**PROJECT TITLE:**  
 Community Resilience Enhancement Project (Additional Financing) THABAT AF Component 1 (Community Led Delivery of Basic Services)

**Health Facilities**  
 Organization  
**MERCY CORPS**  
 Mercy Corps Europe, Sudan




**Donor**  
**STARS**  
 Sudan Transition and Recovery Support

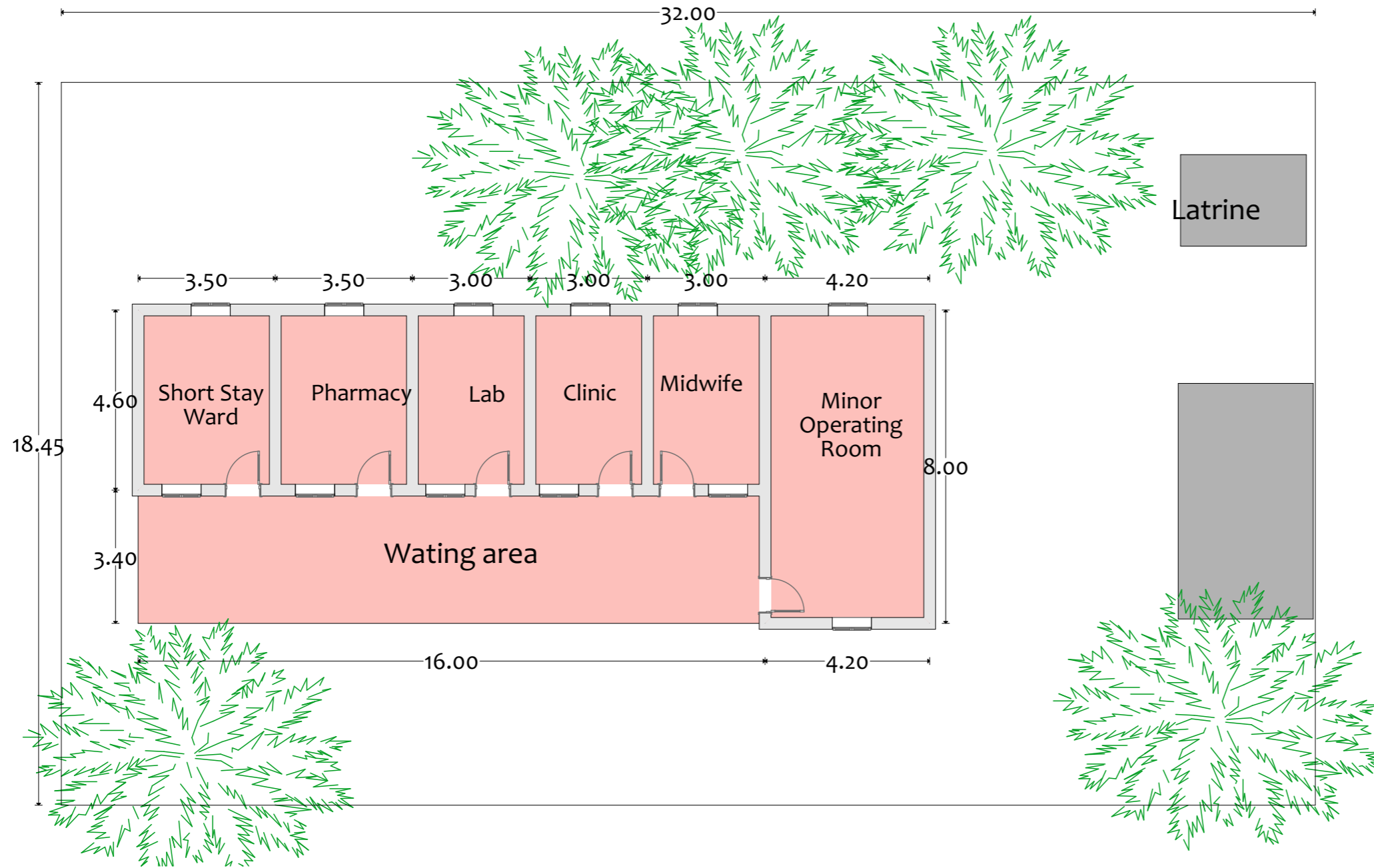
**CONSULTANT :**  
 Abbas Abdalwahab Abdulraheem

**Drawing Title:**  
 Al Hegra Health Facility Existing Layout

Org. Sheet Size:	Date:	
<b>A3</b>	August-2025	
Project No.	Sheet No.	Rev. No.
PO# 40452947	A.01.112	<b>0</b>

NOTES:

-  Removal Floors
-  Removal Doors
-  Removal Window



KEY PLAN

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No.	Description:	Date	

Revisions		
No.	Description:	Date

**PROJECT TITLE:**  
 Community Resilience Enhancement Project (Additional Financing) THABAT AF Component 1 (Community Led Delivery of Basic Services)

**Health Facilities**

Organization



Mercy Corps Europe, Sudan

Donor

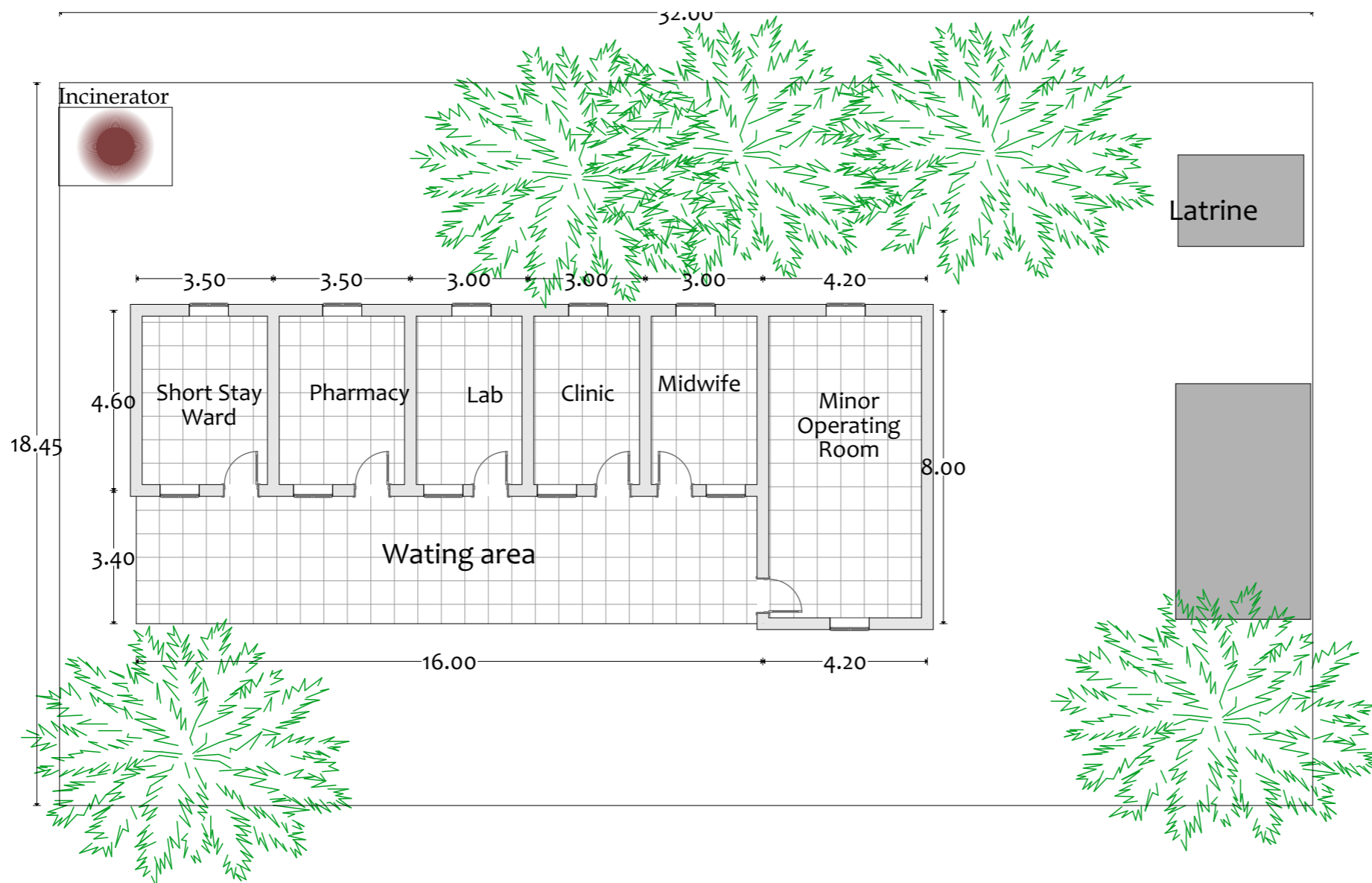


Sudan Transition and Recovery Support


**CONSULTANT :**  
 Abbas Abdalwahab Abdulraheem

**Drawing Title:**  
 Al Hegra Health Facility Ground Floor Plan

Org. Sheet Size:	Date:	
<b>A3</b>	August-2025	
Project No.	Sheet No.	Rev. No.
PO# 40452947	A.01.113	<b>0</b>



**NOTES:**

-  New Floor Tiles
-  New Wall
-  New Ceiling

**KEY PLAN**

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**Revisions**

**PROJECT TITLE:**  
 Community Resilience Enhancement Project (Additional Financing) THABAT AF Component 1 (Community Led Delivery of Basic Services)

**Health Facilities**

**Organization**



**Donor**



**CONSULTANT :**

Abbas Abdalwahab Abdulraheem

**Drawing Title:**

Al Hegra Health Facility  
 New Ground Floor Plan

Org. Sheet Size:	Date:	
<b>A3</b>	August-2025	
	Scale:	
Project No.	Sheet No.	Rev. No.
PO# 40452947	A.01.114	<b>0</b>

**Summary Of Rehabilitation Interventions**

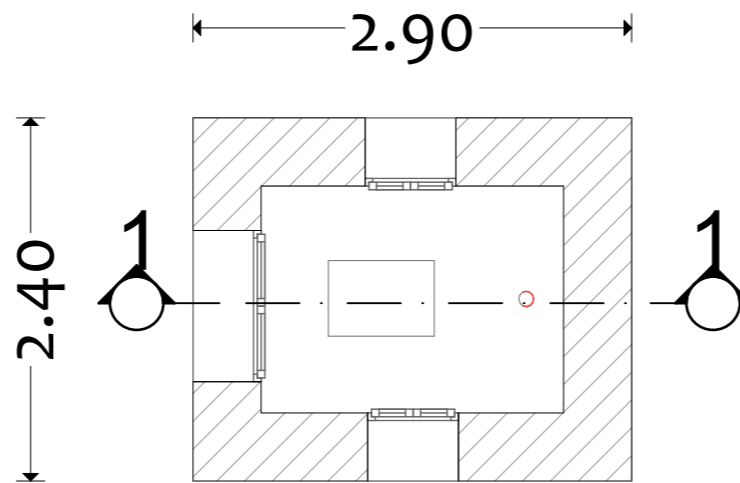
**General Rehabilitation**

- Demolition and removal of floor ceramic tiles (107m<sup>2</sup>) and flooring (120m<sup>2</sup>)
- Removal of interlock paving (13.5m<sup>2</sup>)
- Soil scraping to 30cm depth and debris removal
- Compacted fill of Raqaita soil in two layers (20cm total)
- Reinforced concrete casting (mix 1:2:4) with Sudanese cement and steel reinforcement
- Installation of interlock and kerbstone
- Interior walls and ceiling painted with Chemiplast primer and silk finish paint (3 coats)
- Exterior walls painted with Chemiplast (3 coats)
- Removal of old paint and plaster (75m<sup>2</sup>)
- Casting of lean concrete (mix 1:3:6) for slope adjustment
- Installation of cement mortar skirting (1:8 mix, 15cm wide, 45° angle)
- Application of acrylic waterproofing (2 coats) with geotextile layer
- Installation of 4-inch pipes (70cm length) for drainage
- Installation of first-grade Salomi ceramic tiles with white cement grouting
- Demolition of existing benches in waiting area and ramp
- Construction of new ramp with masonry, fill, plaster, and reinforced concrete
- Backfilling around building with Raqaita soil (30cm thick, 1m wide)
- Inspection and repair of aluminum doors and windows
- Installation of hand wash basins with PVC drainage and PPR water supply
- Wall treatment with mesh and 3-line steel bars
- Incinerator

**Wash Interventions**

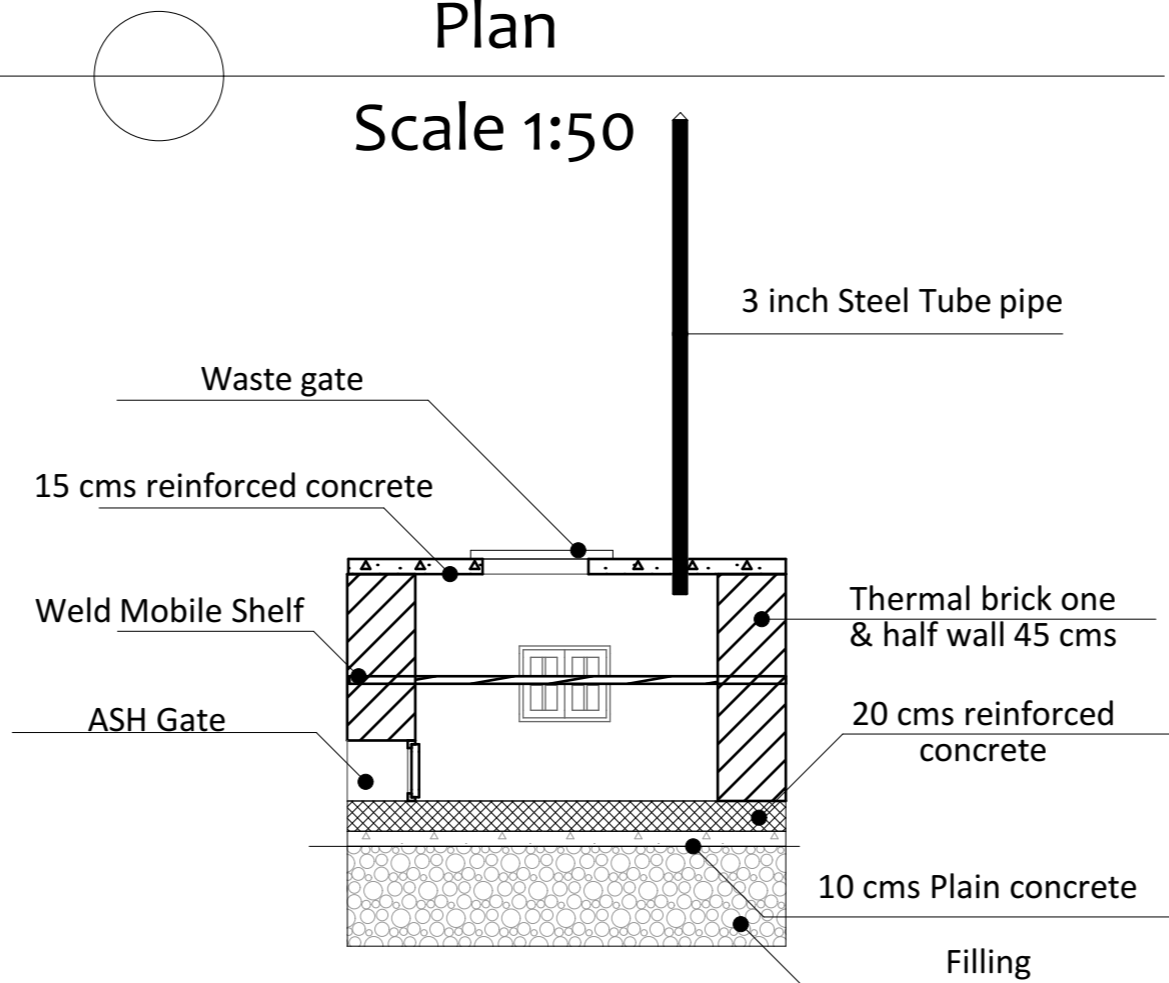
- Installation of hand wash basins with drainage and water supply
- Installation of fresh water network using 1-inch PPR pipes
- Demolition of masonry wall and debris removal
- Wall treatment works with wire mesh and steel bars
- Plastering works using cement mortar mix ratio 1:8 with proper curing
- Demolition of existing ablution unit
- Construction of communal ablution unit (wudhu area) with seating blocks, water taps, and ceramic tiles
- Wall painting works using "Bomastic Mohandis" base coat and "Mohandis Silk Finish" paint

# Typical Designs



Plan

Scale 1:50



Section

Scale 1:50

NOTES:

KEY PLAN

No.	Description	Date
4		
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Revisions

PROJECT TITLE:

Community Resilience  
Enhancement Project (Additional  
Financing) THABAT AF  
Component 1 (Community Led  
Delivery of Basic Services)

Health Facilities

Organization



Donor



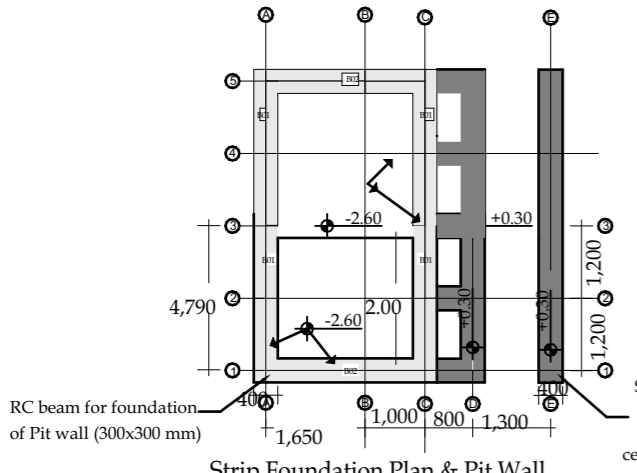
CONSULTANT :

Abbas Abdalwahab Abdulraheem

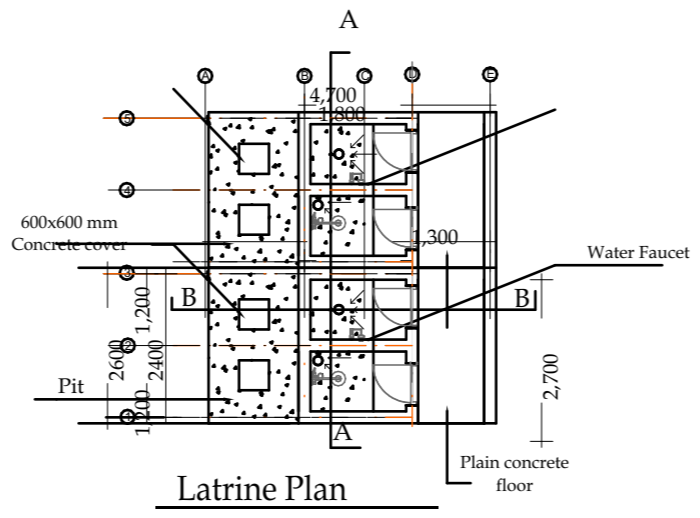
Drawing Title:

Incinerator Typical Design

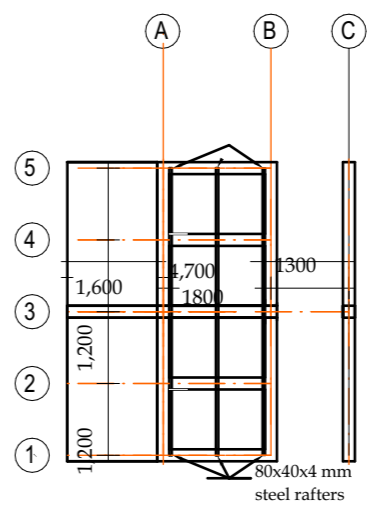
Org. Sheet Size:	Date:	
<b>A3</b>	August-2025	
	Scale:	
Project No.	Sheet No.	Rev. No.
PO# 40452947	A.01.115	<b>0</b>



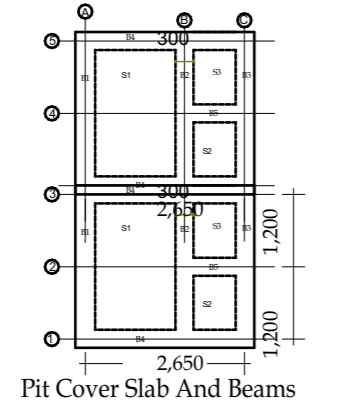
Strip Foundation Plan & Pit Wall Foundation Beams



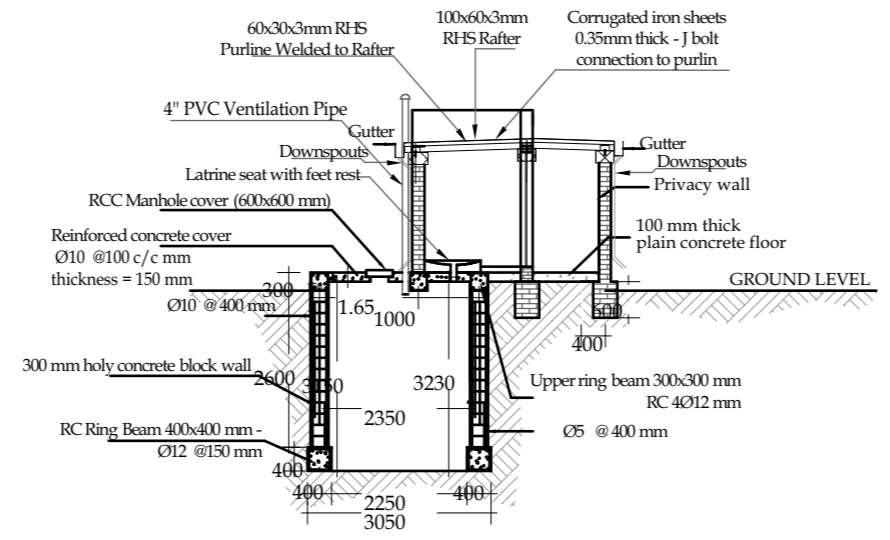
Latrine Plan



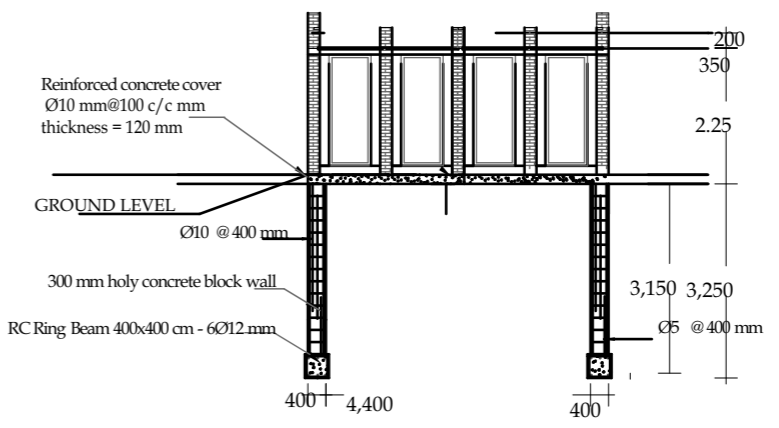
Latrine Roof



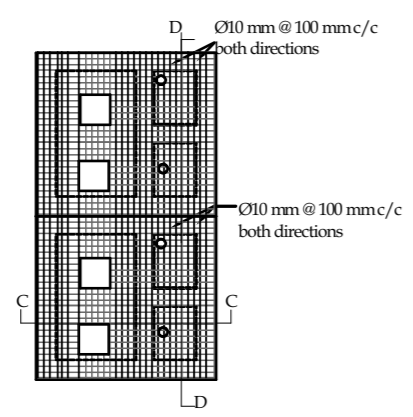
Pit Cover Slab And Beams



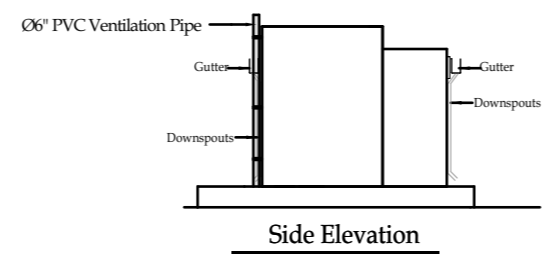
Section B-B



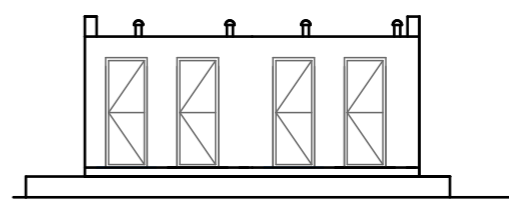
Section A-A



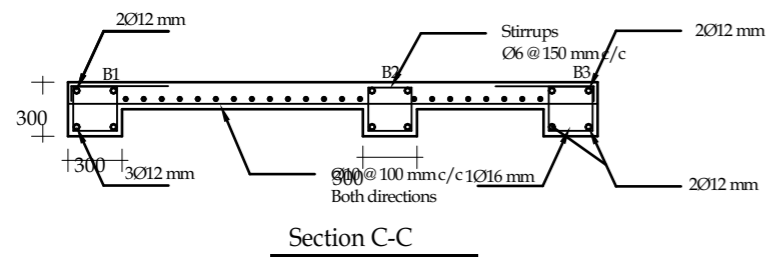
Pit slab reinforcement



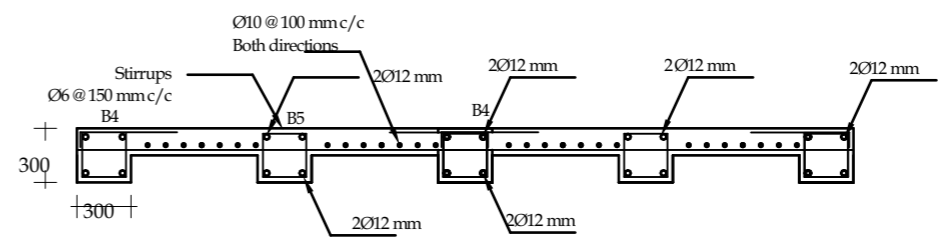
Side Elevation



Front Elevation



Section C-C



Section D-D

NOTES:

KEY PLAN

No.	Description	Date
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Revisions

**PROJECT TITLE:**  
Community Resilience Enhancement Project (Additional Financing) THABAT AF Component 1 (Community Led Delivery of Basic Services)

**Health Facilities**

**Organization**  
**MERCY CORPS**  
Mercy Corps Europe, Sudan

**Donor**  
**STARS**  
Sudan Transition and Recovery Support

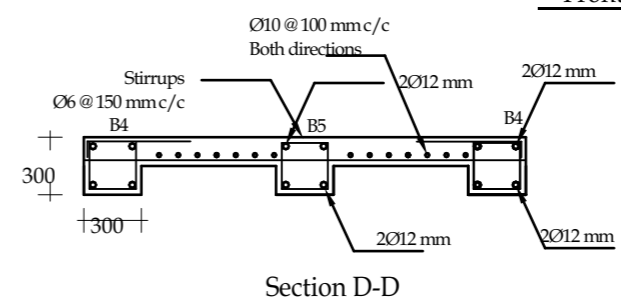
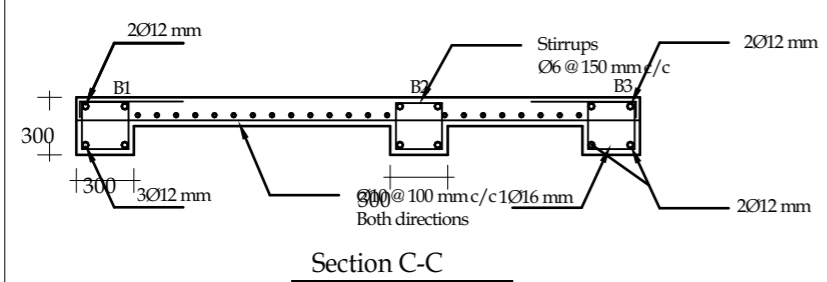
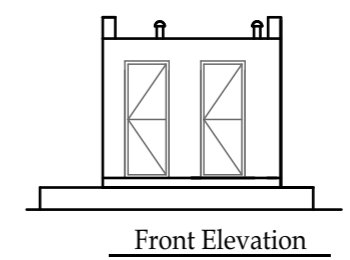
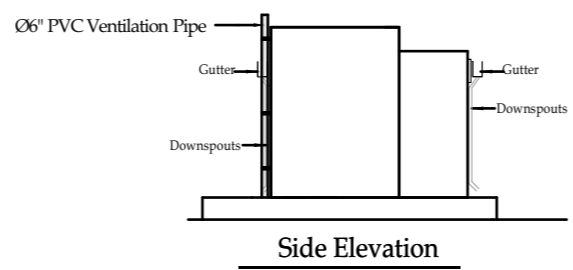
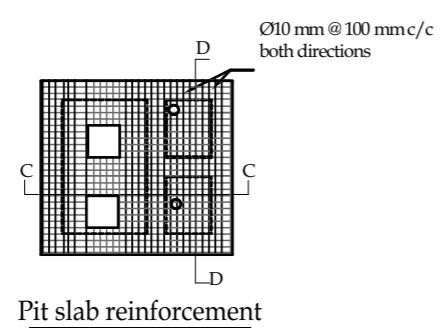
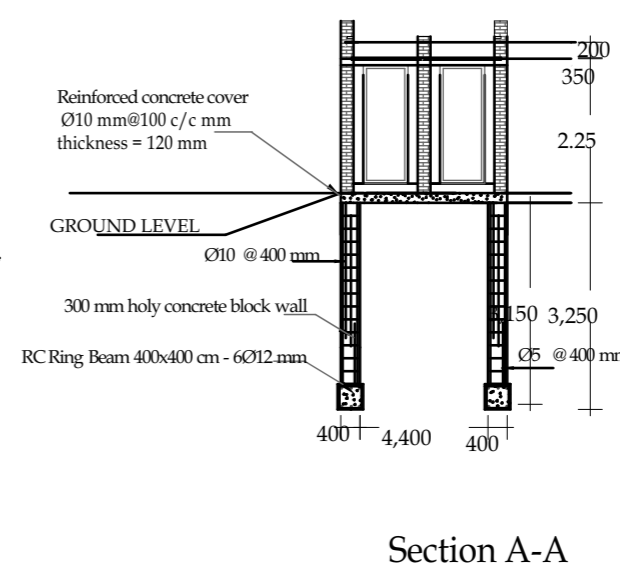
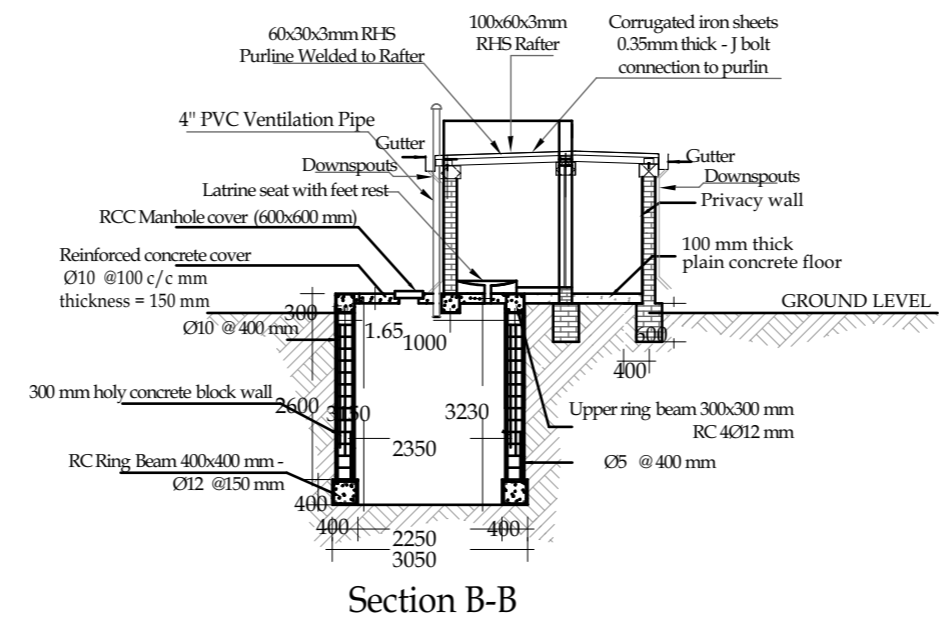
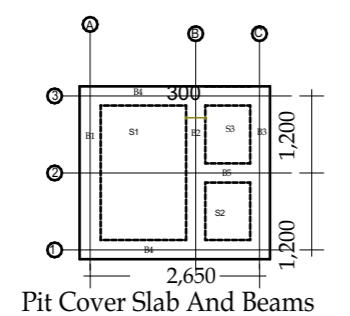
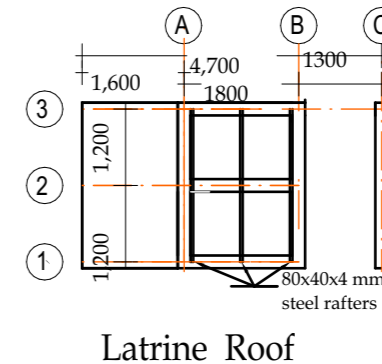
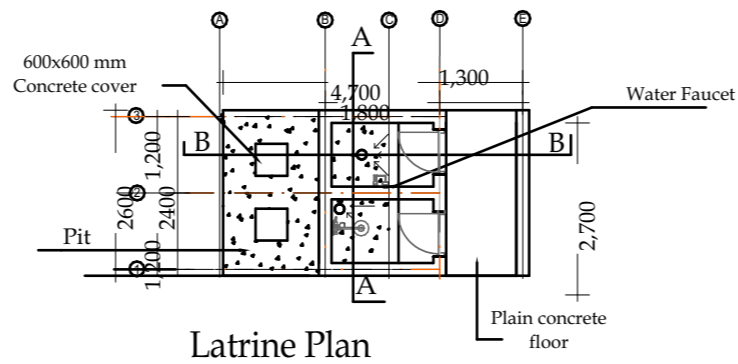
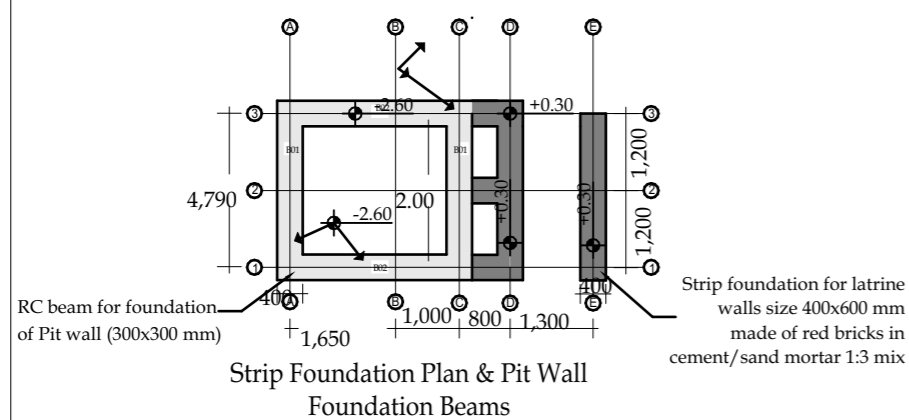
**CONSULTANT:**  
Abbas Abdalwahab Abdulraheem

**Drawing Title:**  
4 Doors Latrine Typical Design

Org. Sheet Size:	Date:	Rev. No.
<b>A3</b>	August-2025	0
Project No.	Sheet No.	
PO# 40452947	A.01.116	

**NOTE:**  
The soil bearing capacity assumed for calculations is quite low, in order to provide a conservative design. However, this bearing capacity needs to be tested on-site during the implementation phase by the contractor. If the discrepancies between these values are representatives, the design needs to be revised.

NOTES:



**NOTE:**  
The soil bearing capacity assumed for calculations is quite low, in order to provide a conservative design. However, this bearing capacity needs to be tested on-site during the implementation phase by the contractor. If the discrepancies between these values are representatives, the design needs to be revised.

KEY PLAN	
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No.	Description: Date

Revisions

**PROJECT TITLE:**  
Community Resilience Enhancement Project (Additional Financing) THABAT AF Component 1 (Community Led Delivery of Basic Services)

**Health Facilities**

Organization

**MERCY CORPS**  
Mercy Corps Europe, Sudan

Donor

**STARS**  
Sudan Transition and Recovery Support

**CONSULTANT:**  
Abbas Abdalwahab Abdulraheem

**Drawing Title:**  
2 Doors Latrine Typical Design

Org. Sheet Size:	Date: August-2025	
<b>A3</b>	Sc 1:20	
Project No. PO# 40452947	Sheet No. A.01.117	Rev. No. <b>0</b>