# PERIMETER WALL (NORMAL SOIL)





- All dimensions are in millimeters unless otherwise stated.
   All dimensions are to checked and confirmed on site before

- All dimensions are to checked and confirmed on site before commencement of any work.
   Written dimensions overrides scaled dimensions.
   Depth of pad foundation 800mm.
   Depth of strip foundation 550mm.
   Any discrepancy or changes is to be reported to IOM site Engineer/Project manager before proceeding

Rev:	Date	Description:	Approved
	//		
	//		
	//		
	//		

# Program



GOVERNMENT OF SOUTH SUDAN

Implemented By:

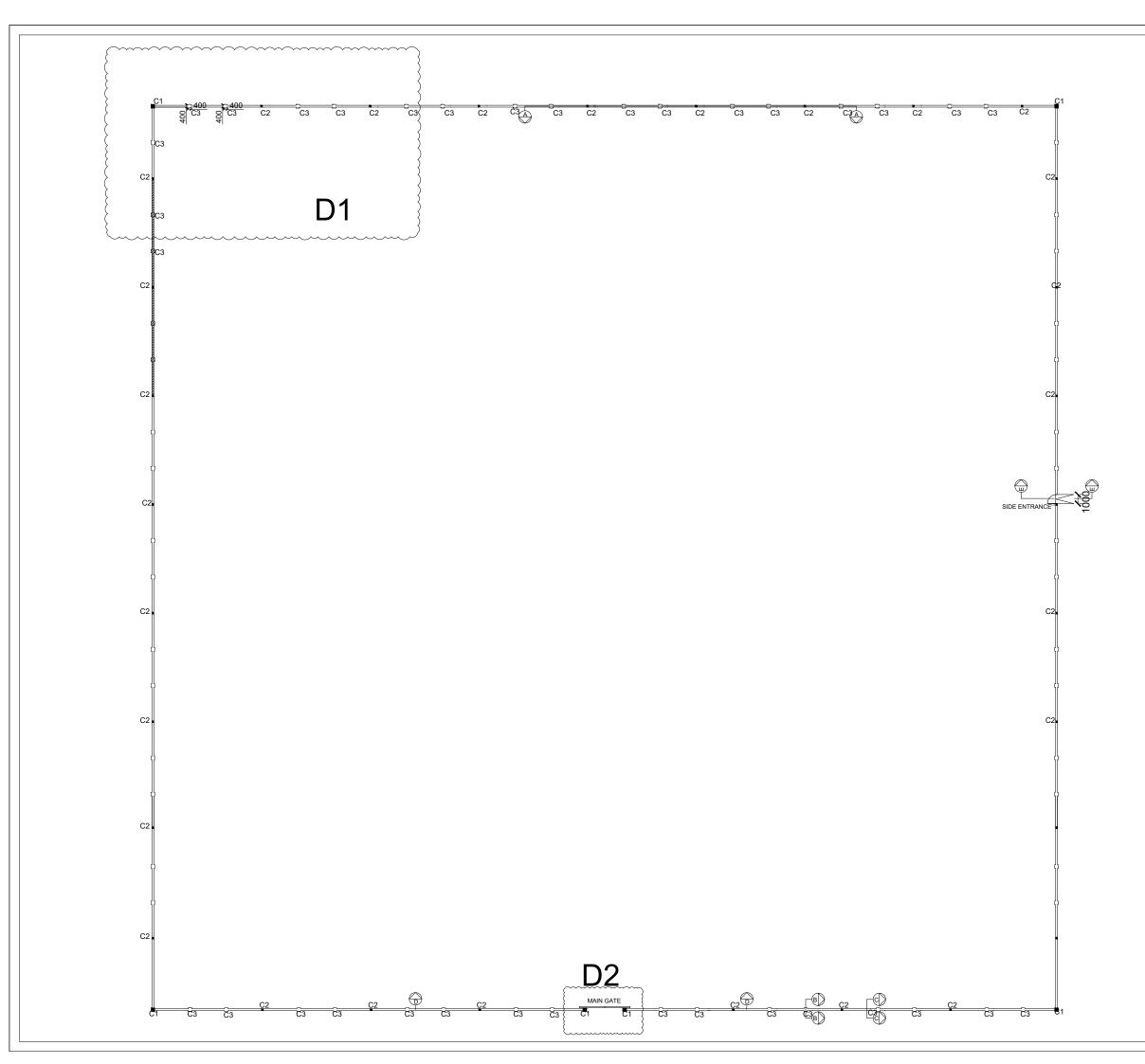


PROPOSED BOUNDARY WALL

Drawing Tittle

BOUNDARY WALL LAYOUT

Designed By	: H.A	Drawn by: H.A
Checked:	F.E & G.O	Approved:
Sheet #:	1/8	Scale: AS SPECIFIED
Date:	1 August 2024	Rev: 0



# GENERAL NOTES:



- 1. All dimensions are in millimeters unless otherwise stated.
  2. All dimensions are to checked and confirmed on site before commencement of any work.
  3. Written dimensions overrides scaled dimensions.
  4. Depth of pad foundation 800mm.
  5. Depth of strip foundation 550mm.
  6. Any discrepancy or changes is to be reported to IOM site Engineer/Project manager before proceeding

	//		
	//		
	//		
	//		
Rev:	Date	Description:	Approved

# Program



Enhancing Community
Resilience and Local
Governance Project

GOVERNMENT OF SOUTH SUDAN

Implemented By:

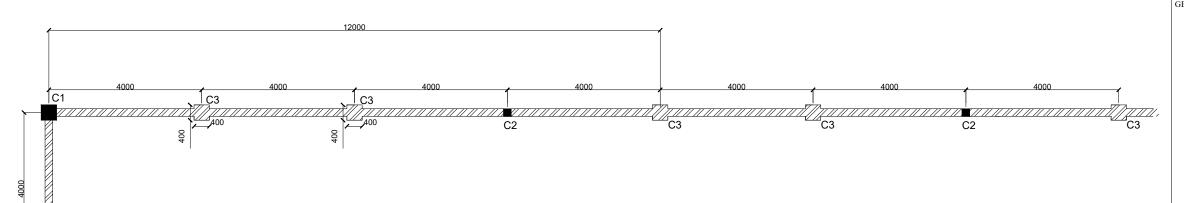


PROPOSED BOUNDARY WALL

Drawing Tittle

BOUNDARY WALL LAYOUT

Designed By:	H.A	Drawn by: H.A
Checked:	F.E & G.O	Approved:
Sheet #:	2/8	Scale: AS SPECIFIED
Date:	1 August 2024	Rev: 0



-∭C2

DETAIL 1 Scale 1:50



- All dimensions are in millimeters unless otherwise stated.
   All dimensions are to checked and confirmed on site before commencement of any work.
   Written dimensions overrides scaled dimensions.
   Depth of pad foundation 800mm.
   Depth of strip foundation 550mm.
   Any discrepancy or changes is to be reported to IOM site Engineer/Project manager before proceeding

	MAIN	I GATE	
C3	C1		C1 C3
	,	1000	

DETAIL 2 Scale 1:25

	//		
	//		
	//		
	//		
Rev:	Date	Description:	Approved





Enhancing Community
Resilience and Local
Governance Project

GOVERNMENT OF SOUTH SUDAN

Implemented By:

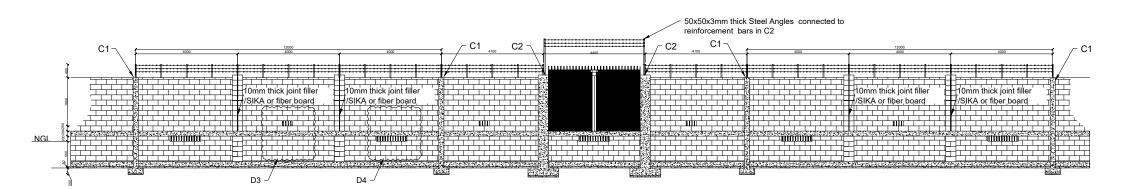


PROPOSED BOUNDARY WALL

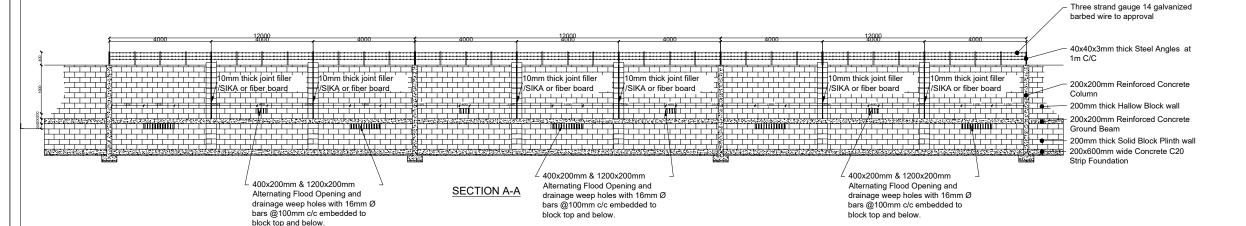
Drawing Tittle

MAIN GATE AND COLUMN-COLUMN SPACING

Designed By:	H.A	Drawn by: H.A
Checked:	F.E & G.O	Approved:
Sheet #:	3/8	Scale: 1:50
Date:	1 August 2024	Rev: 0



# SECTION D-D







- All dimensions are in millimeters unless otherwise stated.
   All dimensions are to checked and confirmed on site before
- commencement of any work.
  Written dimensions overrides scaled dimensions.
- Depth of pad foundation 800mm.
  Depth of strip foundation 550mm.
- Any discrepancy or changes is to be reported to IOM site Engineer/Project manager before proceeding

Rev:	Date	Description:	Approved
	//		
	//		
	//		
	//		

# Program



Enhancing Community Resilience and Local Governance Project

GOVERNMENT OF SOUTH SUDAN

Implemented By:



Project:

PROPOSED BOUNDARY WALL

Drawing Tittle

SECTIONS

Designed By:	H.A	Drawn by: H.A
Checked:	F.E & G.O	Approved:
Sheet #:	4/8	Scale: AS SPECIFIED
Date:	1 August 2024	Rev: 0

# STRUCTURAL NOTES:

- I) Building shall be founded on load bearing stone masonry wall having a depth of 550mm and pad foundation depth of 800mm from the natural ground level with bottom of excavation compacted prior to laying the foundation wall.
- II) Stone masonry foundation shall be 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 the stone 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 ratio 1:2:4) for floor slab)

B) Concrete reinforcement bar

Grade 460 (Characteristics yield strength of fyk = 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

# GENERAL NOTES:



- All dimensions are in millimeters unless otherwise stated.
   All dimensions are to checked and confirmed on site before
- All dimensions are to checked and confirmed on site before commencement of any work.
- 3. Written dimensions overrides scaled dimensions
- 4. Depth of pad foundation 800mm
- 5. Depth of strip foundation 550mm.
- 6. Any discrepancy or changes is to be reported to IOM site Engineer/Project manager before proceeding

Rev:	Date	Description:	Approved
	//		
	//		
	//		
	//		

# Program



Client:

GOVERNMENT OF SOUTH SUDAN

Implemented By:



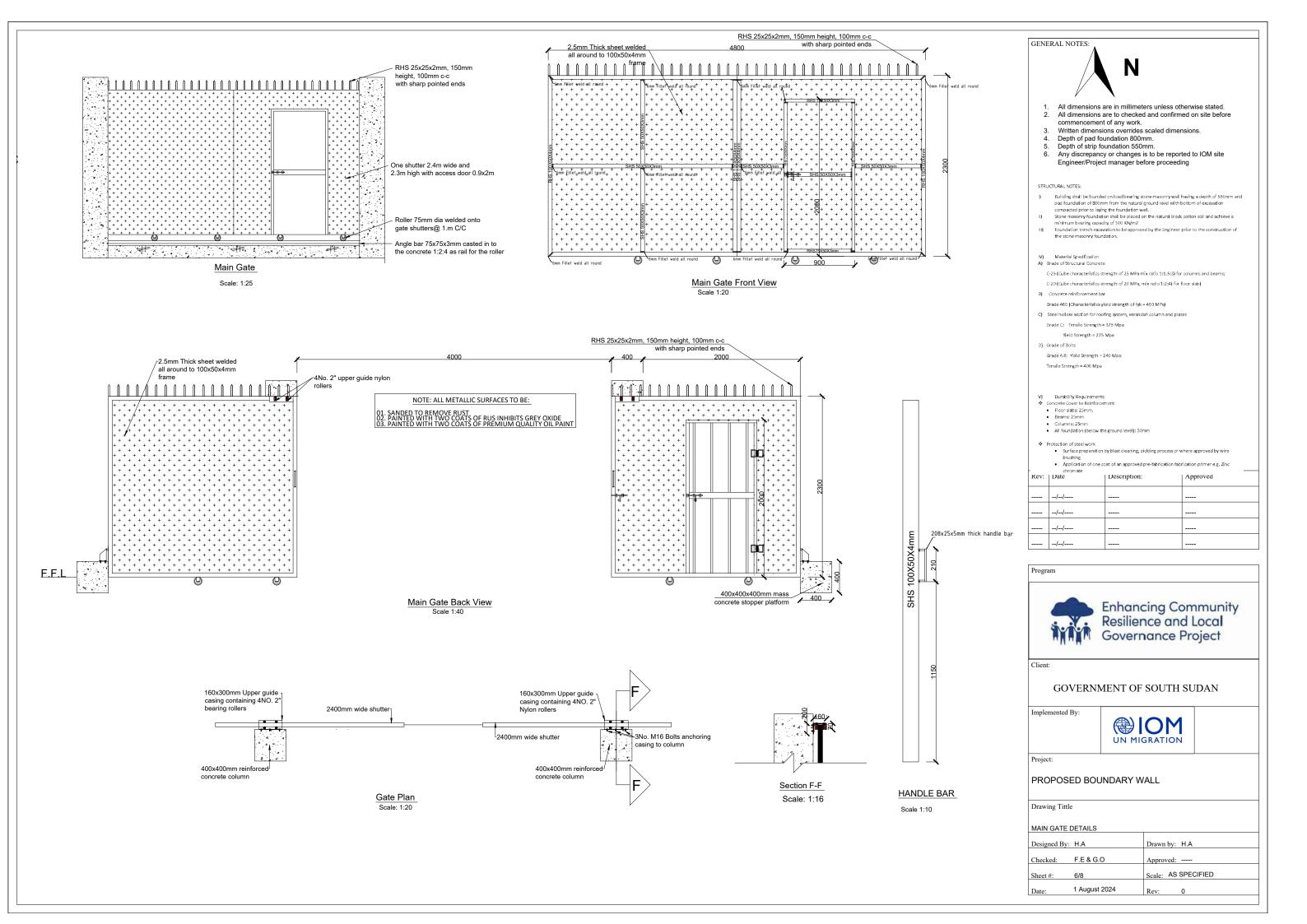
Project:

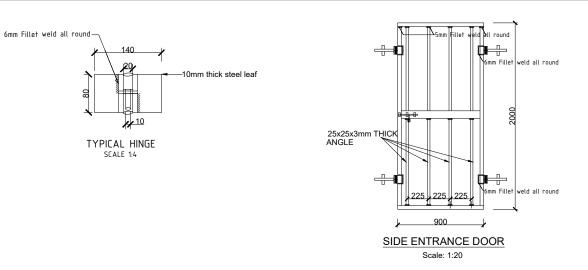
PROPOSED BOUNDARY WALL

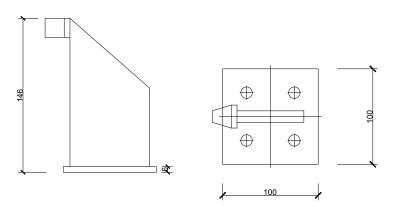
Drawing Tittle

NOTES

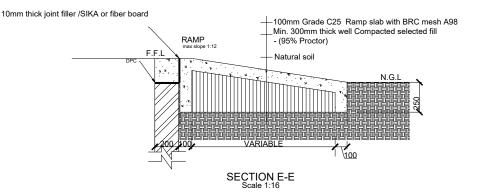
NOTES		
Designed By:	H.A	Drawn by: H.A
Checked:	F.E & G.O	Approved:
Sheet #:	5/8	Scale: AS SPECIFIED
Date:	1 August 2024	Rev: 0

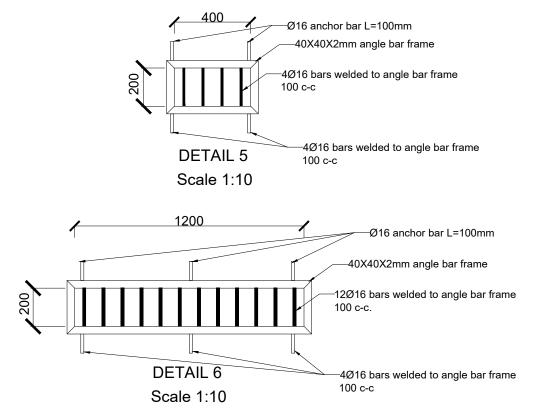


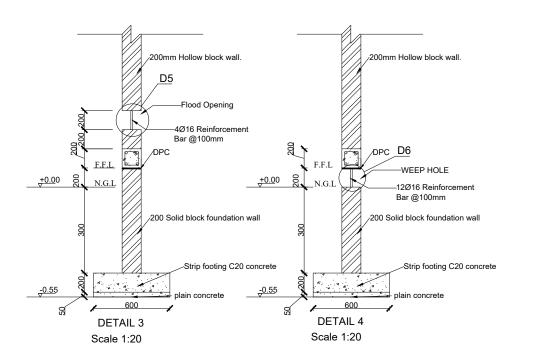




TYPICAL STOPPER SCALE 1:2









- All dimensions are in millimeters unless otherwise stated.
   All dimensions are to checked and confirmed on site before commencement of any work.
- Written dimensions overrides scaled dimensions.
- Depth of pad foundation 800mm.
- Depth of strip foundation 550mm.
- Any discrepancy or changes is to be reported to IOM site Engineer/Project manager before proceeding STRUCTURAL NOTES:

- buttoning seator be underested or trade treating stories mastering wan nawing a depirit of sostimit a paid foundation of 800mm from the natural ground level with bottom of excavation compacted prior to laying the foundation wall.

  Stone masonry foundation shall be placed on the natural black cotton soil and achieve a
- minimum bearing capacity of 100 KN/m2

Building shall be founded on load bearing stone masonry wall having a depth of 550mm and

Foundation trench excavation to be approved by the Engineer prior to the construction of the stone masonry foundation.

# Material Specification 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 ratio 1:2:4) for floor slab)
- B) Concrete reinforcement bar

Grade 460 (Characteristics yield strength of fyk = 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

## Durability Requirements

- Concrete Cover to Reinforcement
  Floor slabs: 25mm
  Beams: 25mm
  Columns: 25mm

- All foundation (below the ground level): 50mm

- . 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
- Rev: Date Description: Approved --/--/----

--/--/------/--/---



Program

# GOVERNMENT OF SOUTH SUDAN

Implemented By:



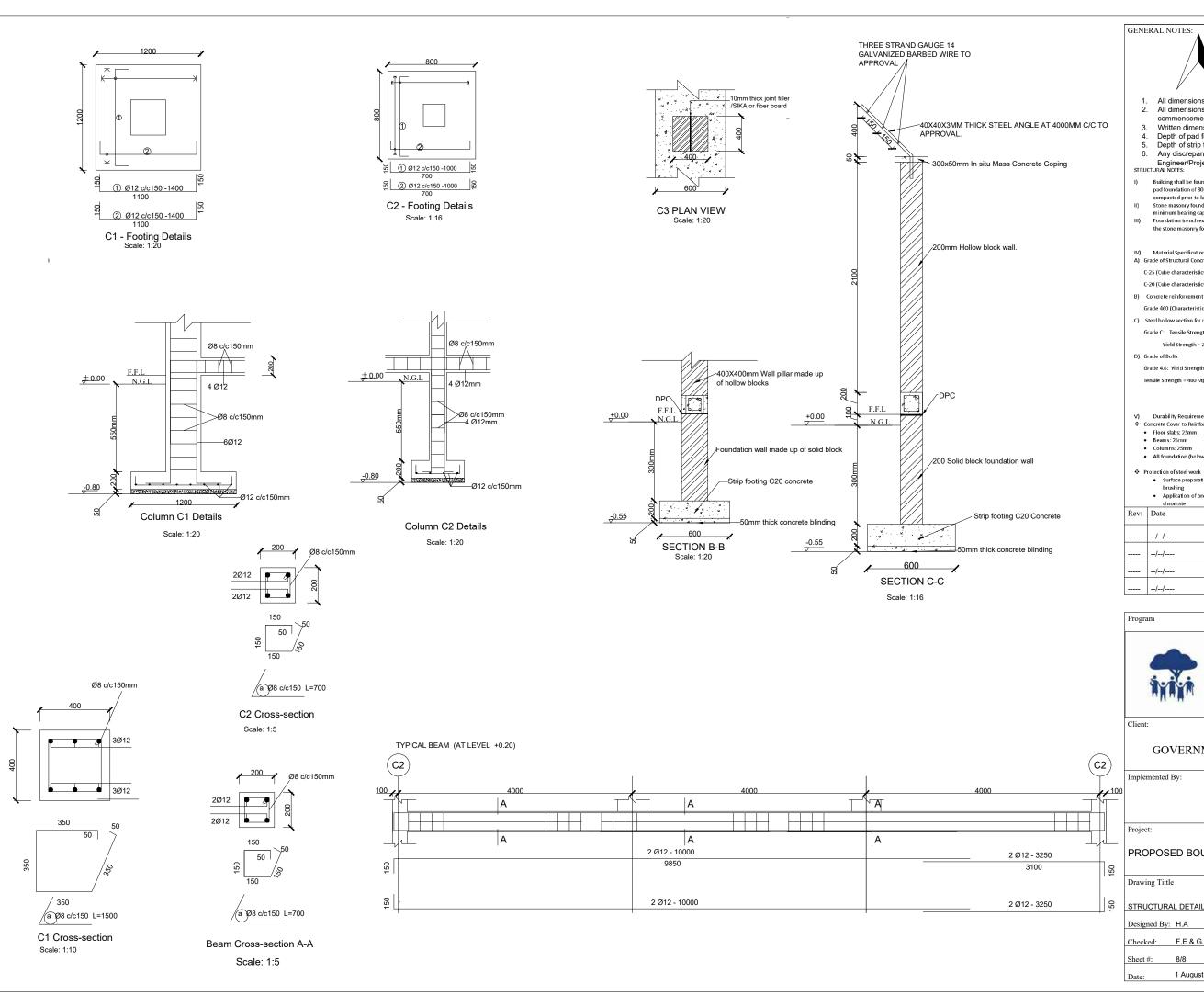
Project:

# PROPOSED BOUNDARY WALL

Drawing Tittle

RAMP, FLOOD OPENING AND ACCESSORY DETAIL

Designed By:	H.A	Drawn by: H.A
Checked:	F.E & G.O	Approved:
Sheet #:	7/8	Scale: AS SPECIFIED
Date:	1 August 2024	Rev: 0







- All dimensions are in millimeters unless otherwise stated. All dimensions are to checked and confirmed on site before commencement of any work.
- Written dimensions overrides scaled dimensions.
- Depth of pad foundation 800mm.
- Depth of strip foundation 550mm.
- Any discrepancy or changes is to be reported to IOM site Engineer/Project manager before proceeding STRUCTURAL NOTES:
- Building shall be founded on load bearing stone masonry wall having a depth of 550mm and
- pad foundation of 800mm from the natural ground level with bottom of excavation compacted prior to taying the foundation wall.

  Stone masonry foundation shall be placed on the natural black cotton soil and achieve a minimum bearing capacity of 100 KN/m2
- Foundation trench excavation to be approved by the Engineer prior to the construction of the stone 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 ratio 1:2:4) for floor slab)
- B) Concrete reinforcement bar
- Grade 460 (Characteristics yield strength of fyk = 460 MPa)
- C) Steel hollow section for roofing system, verandah column and plates
- Grade C: Tensile Strength = 375 Mpa

Yield Strength = 275 Mpa

Grade 4.6: Yield Strength = 240 Mpa

Tensile Strength = 400 Mpa

### V) Durability Requirements

- Columns: 25mm

### Protection of steel work

- Application of one coat of an approved pre-fabrication fabrication primer e.g. Zinc

Rev:	Date	Description:	Approved
	//		
	//		
	//		
	//		



Enhancing Community Resilience and Local Governance Project

# GOVERNMENT OF SOUTH SUDAN

Implemented By:



# PROPOSED BOUNDARY WALL

Drawing Tittle

r: H.A	Drawn by: H.A
F.E & G.O	Approved:
8/8	Scale: AS SPECIFIED
1 August 2024	Rev: 0
	F.E & G.O 8/8