

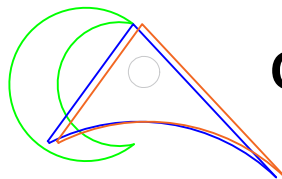
## PROPOSED INSTALLATION OF 3 MSU UNITS

**CLIENT:**        **MOH/WORLD HEALTH ORGANIZATION**

**PLOT NO:**        .....

**Block No:**        .....

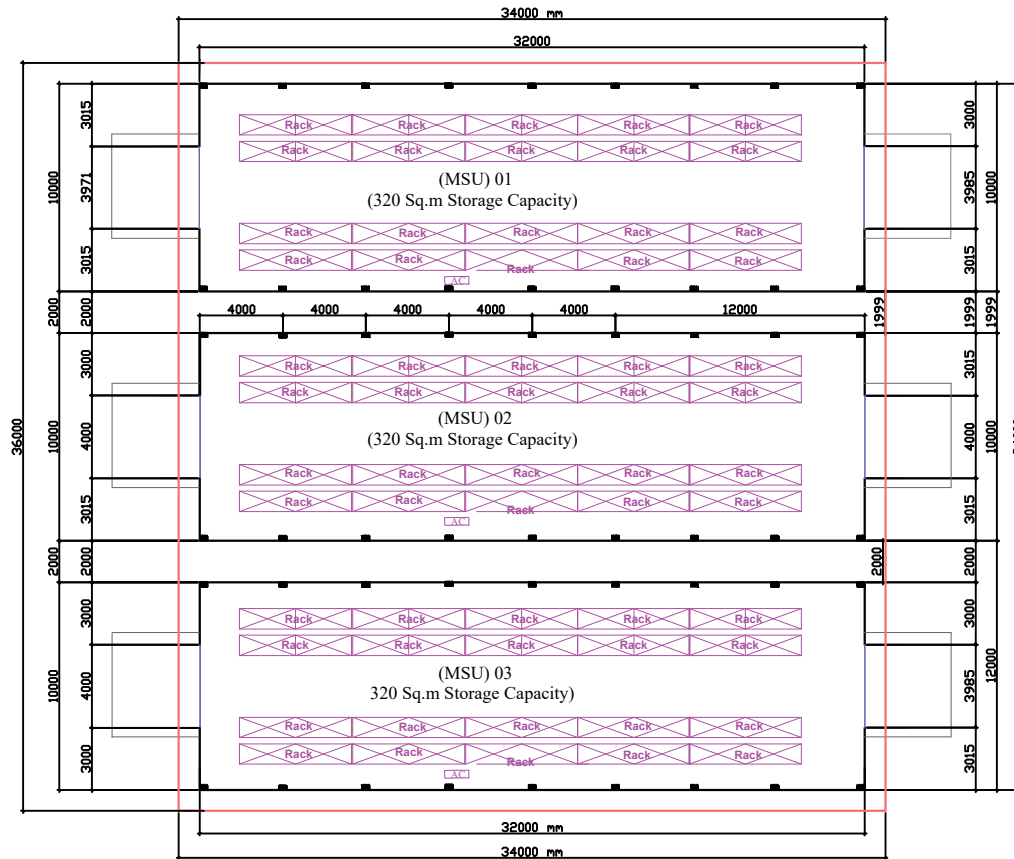
**LOCATION:**    **GUMBO-JUBA, SOUTH SUDAN**



**CAA GROUP CO.LTD**

Advanced Architecture and Construction Group Limited

**MAY-2025**



**Ground Floor plan Layout**

### Rack pallet system

Heavy duty rack pallet system of approved quality, 4 levels with upright frame measuring L2000 x W-1200, 60X52X2mm.

Cross beam L2000, 80x45x2mm, steel plate L2000xD1200,H20mmx0.8mm (2 plates and 8 ribs)

#### PROJECT

Proposed MSU Set-up layout  
Location: Gumbo  
Juba-South Sudan

**Client: MOH/World Health Organization**

#### DESIGN & DRAFTED

**CAA GROUP CO.LTD**

APPROVED FOR IMPLEMENTATION

Signature: \_\_\_\_\_



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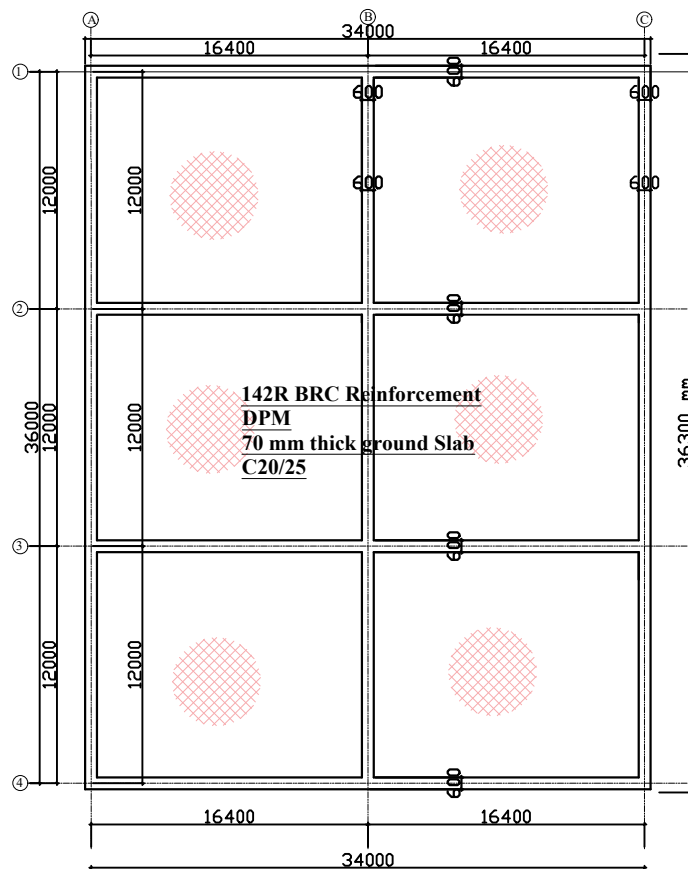
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**ELECTRICAL LAYOUT PLAN**

LAYOUT ID

SHEET No.

**MAY/2025**



### Foundation Notes:

- 30 mm thick floor screeding smoothly finished
- 70 mm thick concrete floor slab
- BRC 142R Floor reinforcement
- DPM
- 50mm thick blinding
- 400 mm thick murrum/broken brick/hardcore
- 200 mm thick solid cement block in plinth wall.
- 50 mm thick concrete blinding under plinth.
- 300 mm thick compacted murrum/broken bricks on
- Natural Soils.

### PROJECT

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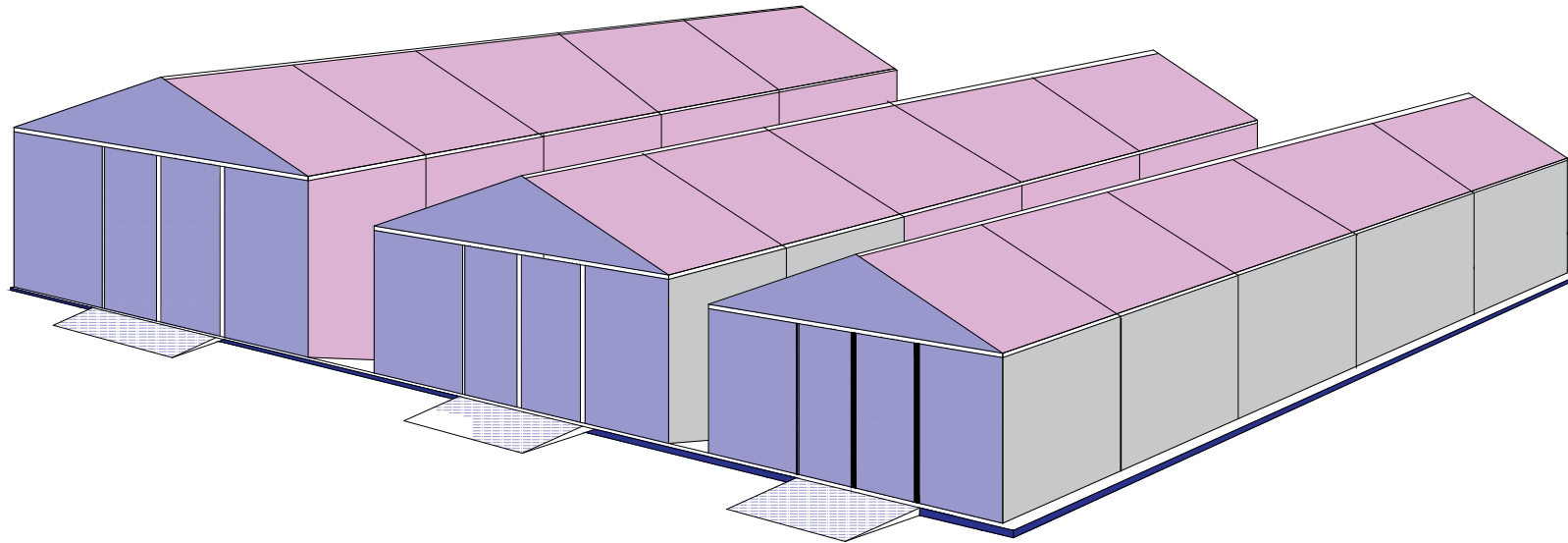
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ELECTRICAL  
LAYOUT PLAN

LAYOUT ID

SHEET No.

MAY/2025



### SPECIFICATIONS

MSU (Mobile Storage Unit 240 Sq.m

Width x Length 10 m x 32m

Height: 3.3m on side, 5.5 m at ridge

### Materials Specifications

#### COVER

Polyvinyl Chloride (PVC) coated polyester as per ISO1833

#### Cover Specifications:

700.0 g/m2 +/-0.5% in finished state under ISO3801. Fire retardant, fully waterproof, and rot-proof, UV resistance of minimum 6 years in the strongest sun exposure condition .

#### FRAME

Aluminum box profiles and hot-dipped galvanized hardware fully HF welded

#### Frame Specifications

Wind Load (kN/m2): Minimum 0.6

Snow Load (kN/m2): Minimum 0.75 under ISO8937 (snow load for camping tent). Max individual part weight is 50kg

Unit volume bulk 600 m3

#### DOORS

PVC coated polyester at both ends

Vehicle/Sliding type cover

### PROJECT

Proposed MSU Set-up layout  
Location: Gumbo  
Juba-South Sudan

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Organization**

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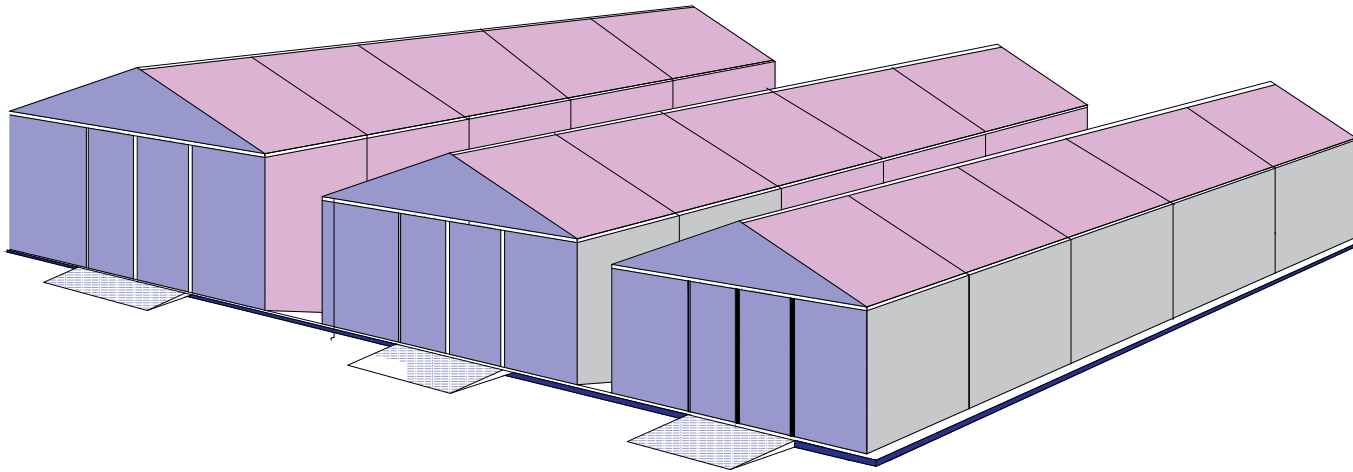
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**ELECTRICAL  
LAYOUT PLAN**

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**MAY/2025**



## PERSPECTIVE

### SPECIFICATIONS

|                                    |                                                                                                                                                                                                                    |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MSU (Mobile Storage Unit 240 Sq.m) |                                                                                                                                                                                                                    |
| Width x Length                     | 10 m x 24m<br>Approximately: 3.3m on side, 5.5 m at ridge                                                                                                                                                          |
| Materials Specifications           | <b>COVER</b><br>Polyvinyl Chloride (PVC) coated polyester as per ISO1833                                                                                                                                           |
|                                    | <b>Cover Specifications:</b><br>700.0 g/m2 +/-0.5% in finished state under ISO3801.<br>Fire retardant, fully waterproof, and rot-proof, UV resistance of minimum 6 years in the strongest sun exposure condition . |
|                                    | <b>FRAME</b><br>Aluminum box profiles and hot-dipped galvanized hardware fully HF welded                                                                                                                           |
|                                    | <b>Frame Specifications</b><br>Wind Load (kN/m2): Minimum 0.6<br>Snow Load (kN/m2): Minimum 0.75 under ISO8937 (snow load for camping tent). Max individual part weight is 50kg<br>Unit volume bulk 600 m3         |
|                                    | <b>DOORS</b><br>PVC coated polyester at both ends<br>Vehicle/Sliding type cover                                                                                                                                    |

### PROJECT

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Location: Gumbo  
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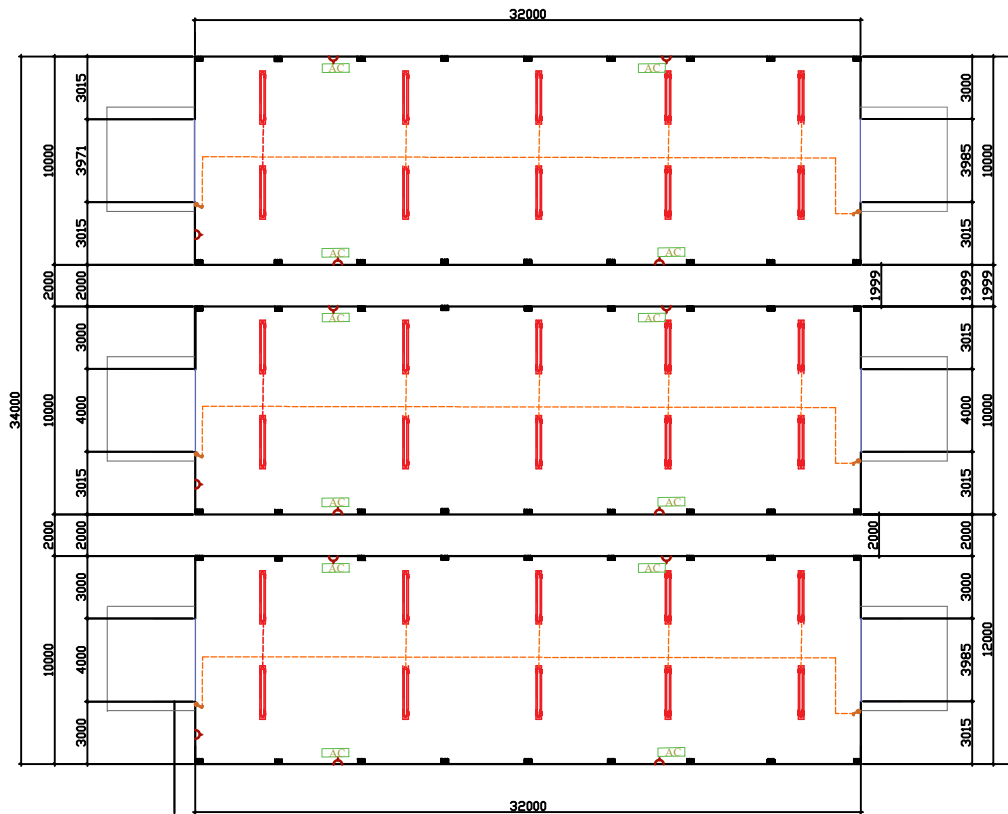
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**ELECTRICAL LAYOUT PLAN**

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|  |                                                                                                             |
|--|-------------------------------------------------------------------------------------------------------------|
|  | 2 gang cooker socket outlet to be 1200mm above FFL                                                          |
|  | 2 gang socket outlet to be 450mm above FFL                                                                  |
|  | Fan regulator to be 1200mm above FFL                                                                        |
|  | 2 pole switch to be 1200mm above FFL                                                                        |
|  | 1 pole switch to be 1200mm above FFL                                                                        |
|  | Electric Cables                                                                                             |
|  | wall hang external security lamps<br>External street lamp type security lamps on walls and external columns |
|  | Sub-distribution board                                                                                      |
|  | Ground fixed external security lamps                                                                        |
|  | Changeover switch position                                                                                  |

## Electrical and AC Installation Drawing

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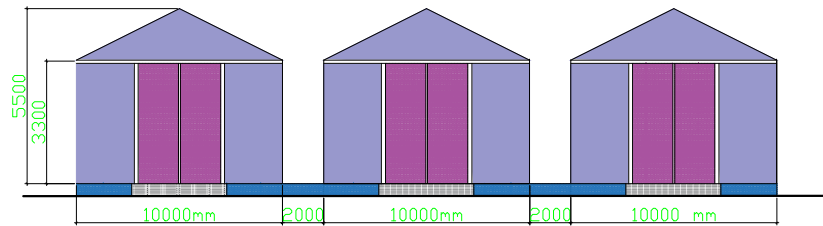
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**ELECTRICAL LAYOUT PLAN**

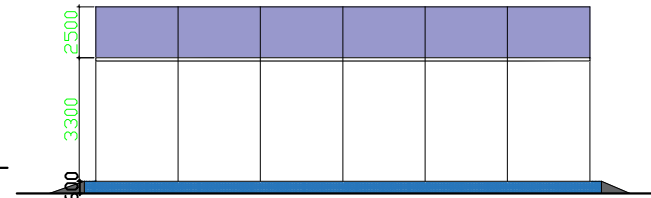
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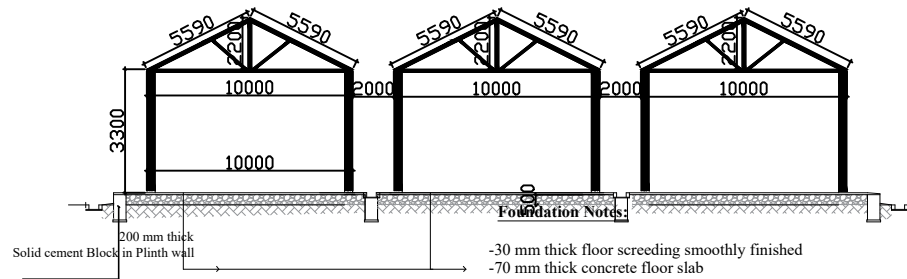
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**FRONT ELEVATIONS**

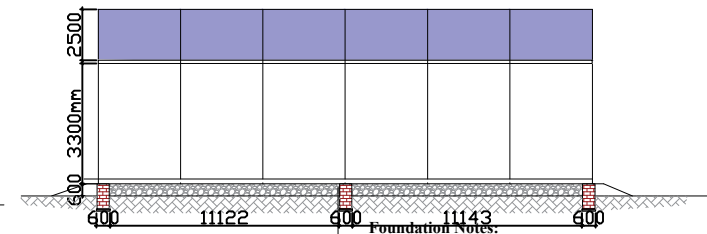


**SIDE ELEVATION**



**SECTION B - B**

- Foundation Notes:**
- 30 mm thick floor screeding smoothly finished
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  - DPM
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  - Natural Soils.



**SECTION A - A**

- Foundation Notes:**
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  - 50mm thick blinding
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**ELECTRICAL LAYOUT PLAN**

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