



**MINISTRY OF GENERAL EDUCATION AND INSTRUCTION**  
CONSTRUCTION OF ONE BLOCK OF FOUR CLASS ROOMS

**Detailed Engineering Drawings for**

**CONSTRUCTION OF ONE BLOCK OF FOUR CLASS ROOMS IN WARAB, LAKES STATE & JONGOLEI STATE.**

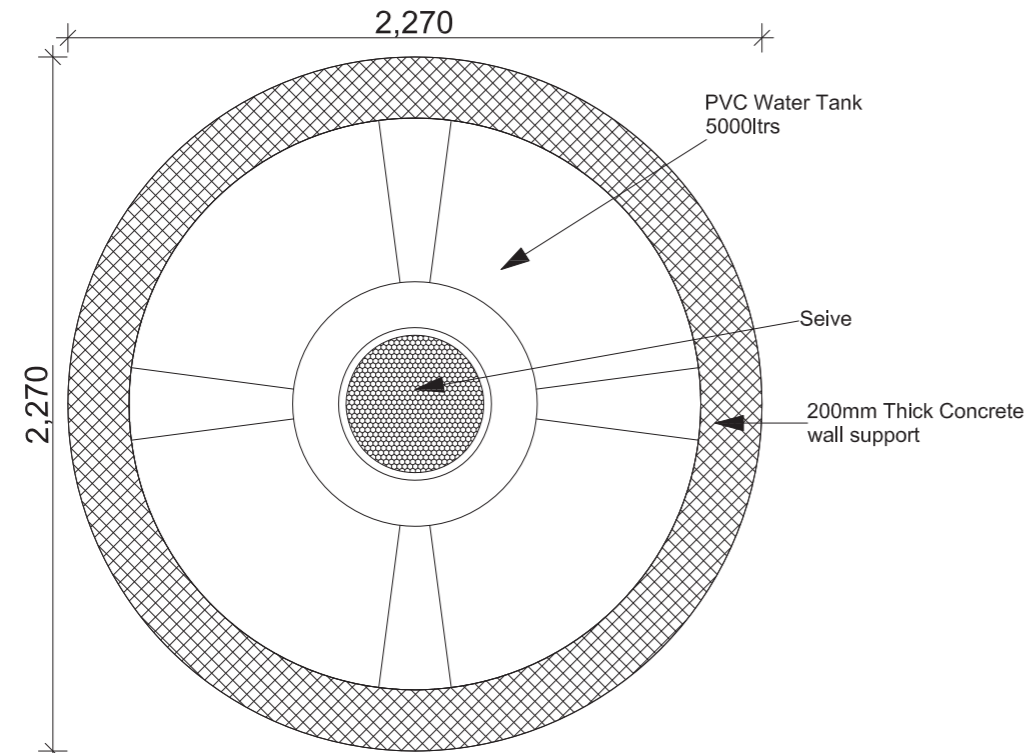
CHECKED BY: Department of Physical Planning & Construction  
**Ministry of Education Science and Technology**

PROTOTYPE APPROVED BY: Ministry of Housing and Physical Planning, South Sudan

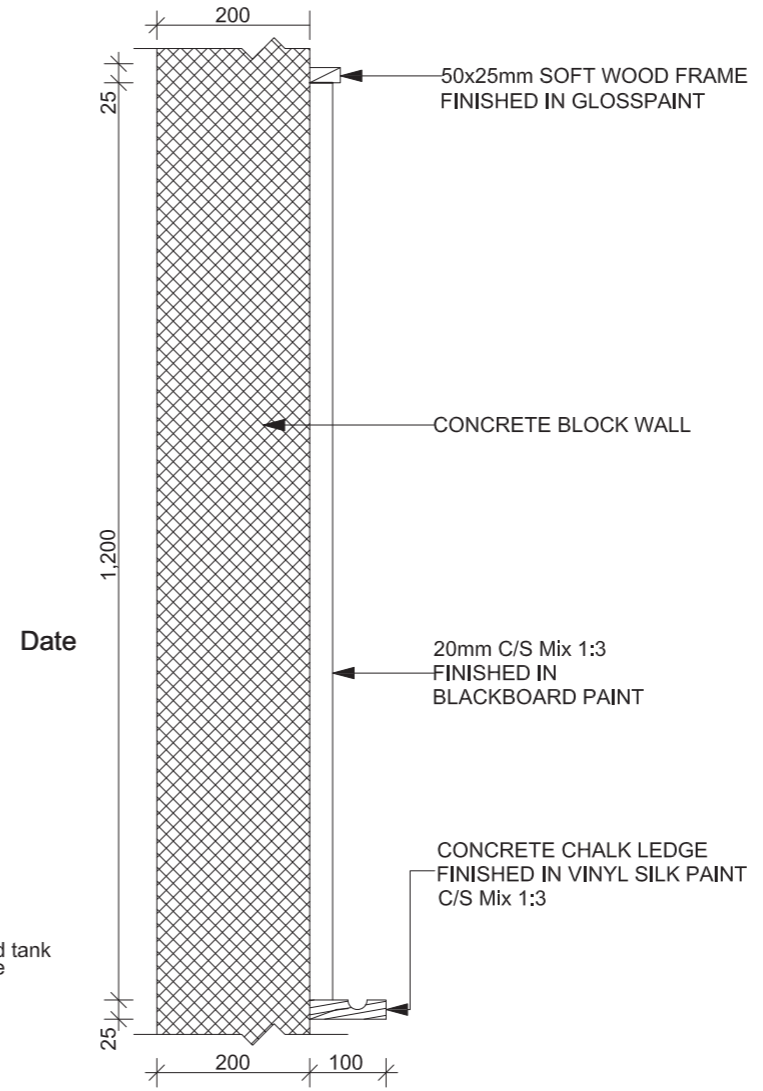


This program is co-funded by GPE

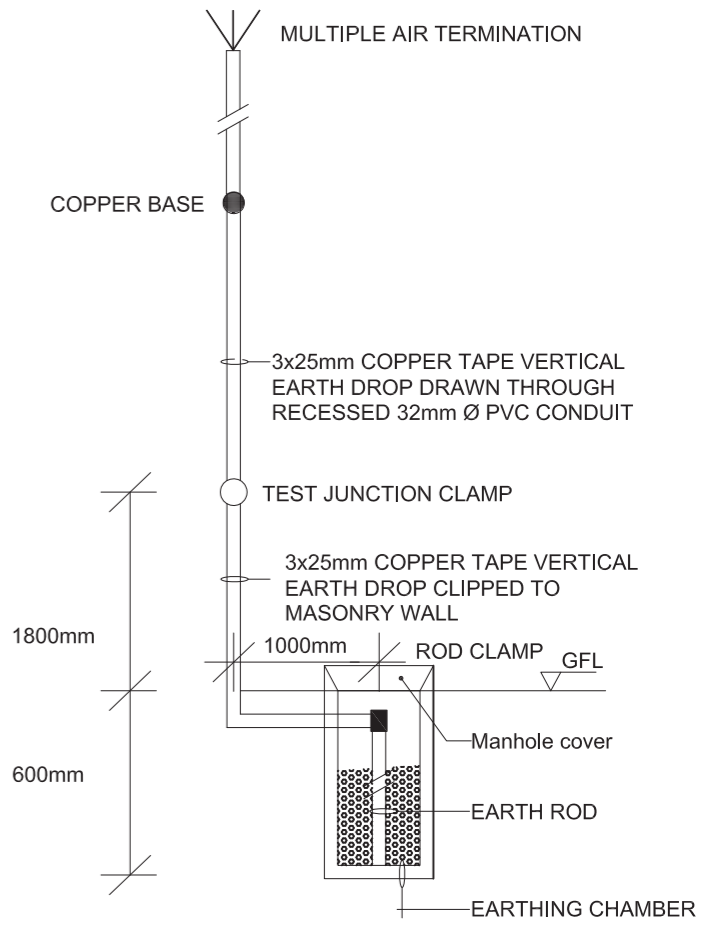
This program is implemented by SCI/MoGEI



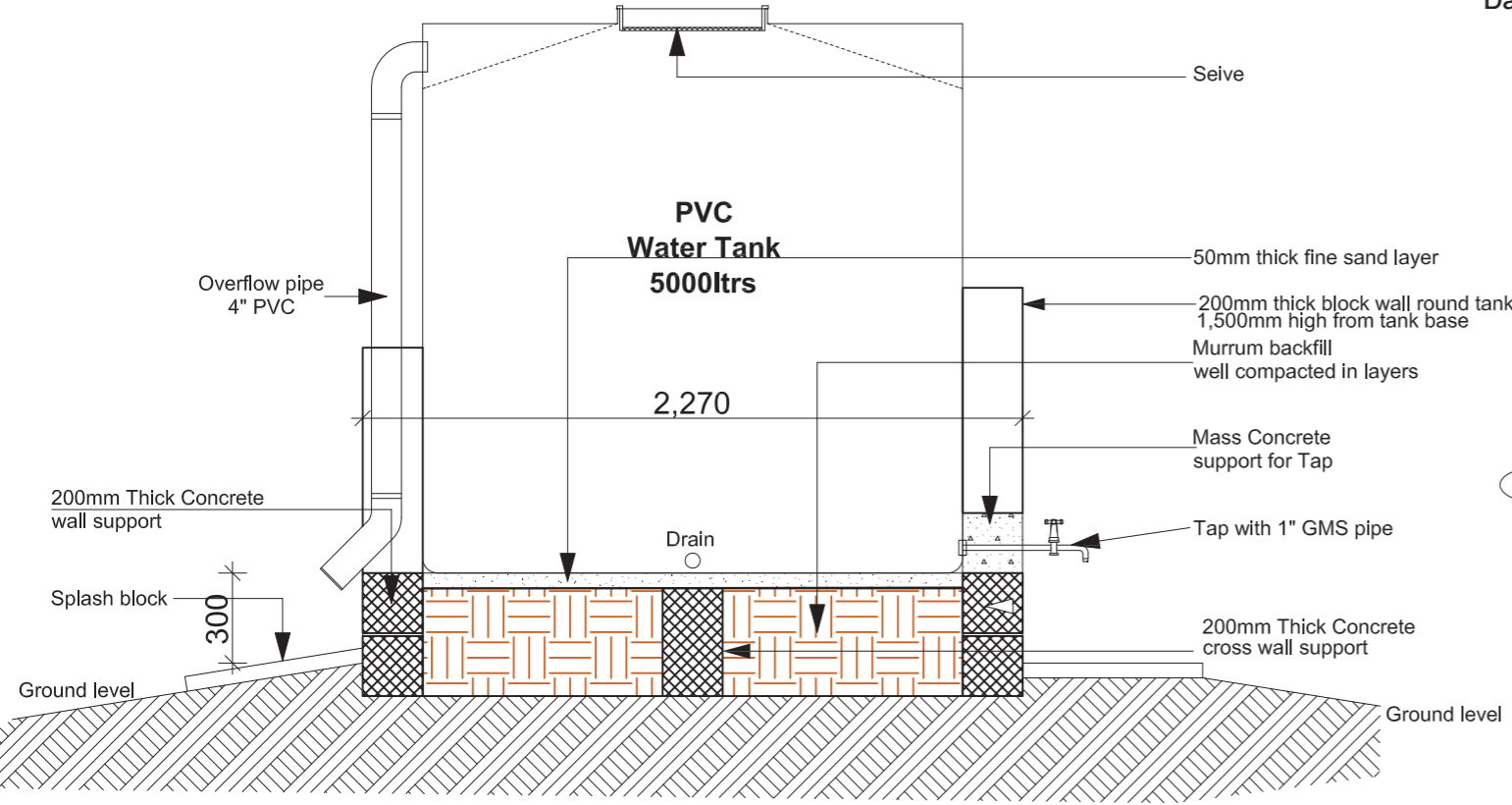
**1 WATER TANK PLAN**  
SCALE 1:25



**3 TYPICAL BLACKBOARD SECTION**  
SCALE 1:10



**4 LIGHTNING ARRESTOR (VERTICAL DROP & EARTHING)**  
SCALE : NOT TO SCALE.



**2 WATER TANK PLINTH SECTION**  
SCALE 1:25



**Project Title**  
GPE Flood Respond

**Drawing Title**  
Construction of one block of four class rooms

**Check by:**  
Office of physical Planning & Construction, MoGEI

**Approved by:**  
Ministry of Housing & Planning

| Revision |      |             |    |
|----------|------|-------------|----|
| No       | Date | Description | By |
|          |      |             |    |

**Date**  
08/05/2023

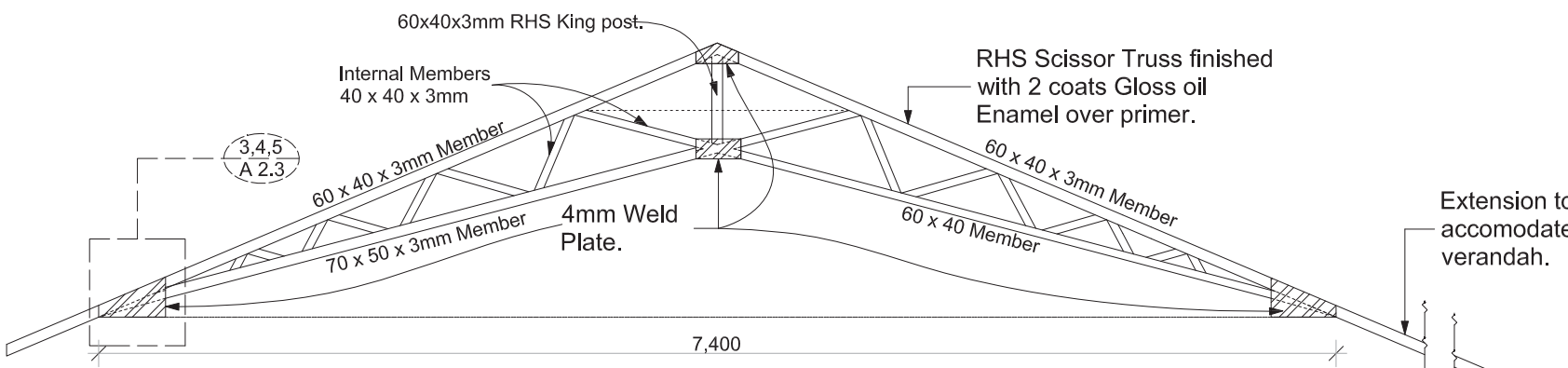
**Scale**

**Drawn by**  
Ojja C.

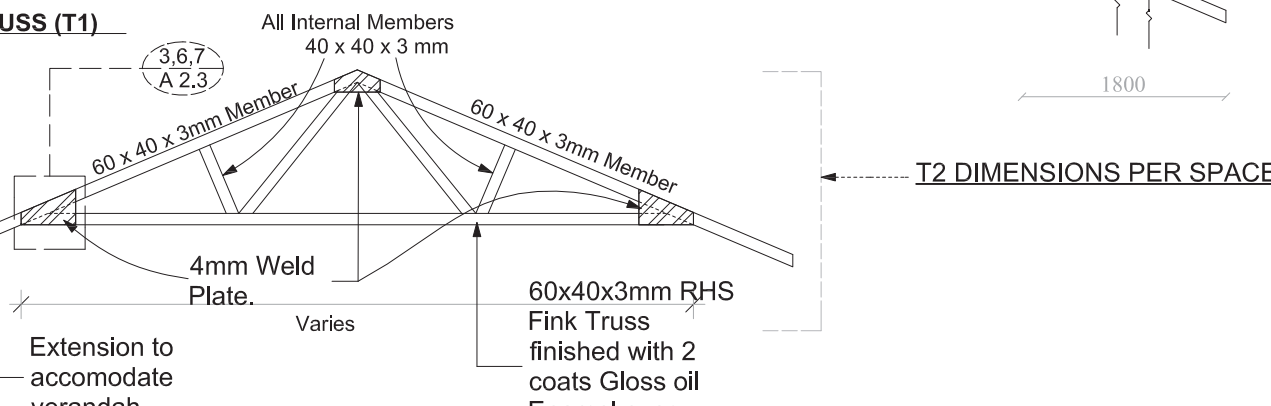
**Checked by**  
James O

**Project No**  
Drawing No 01

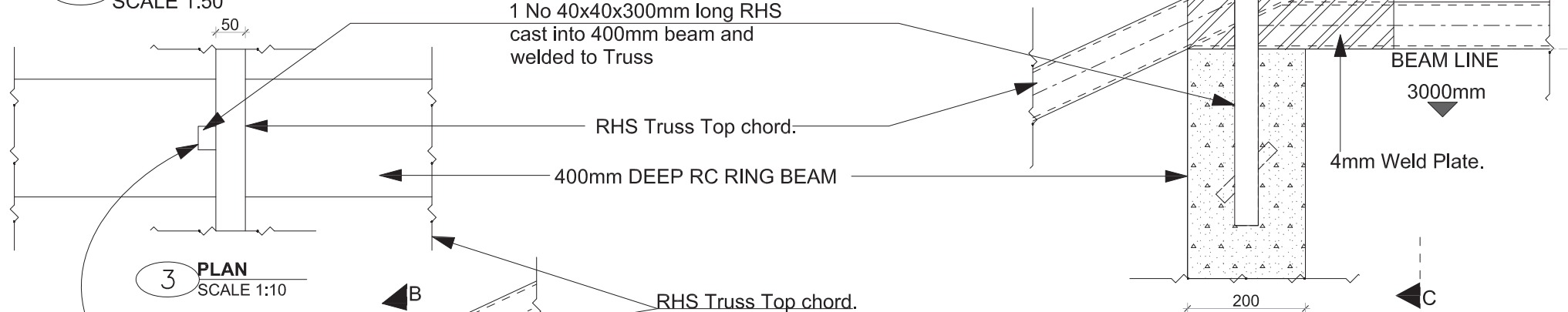
**Revision**



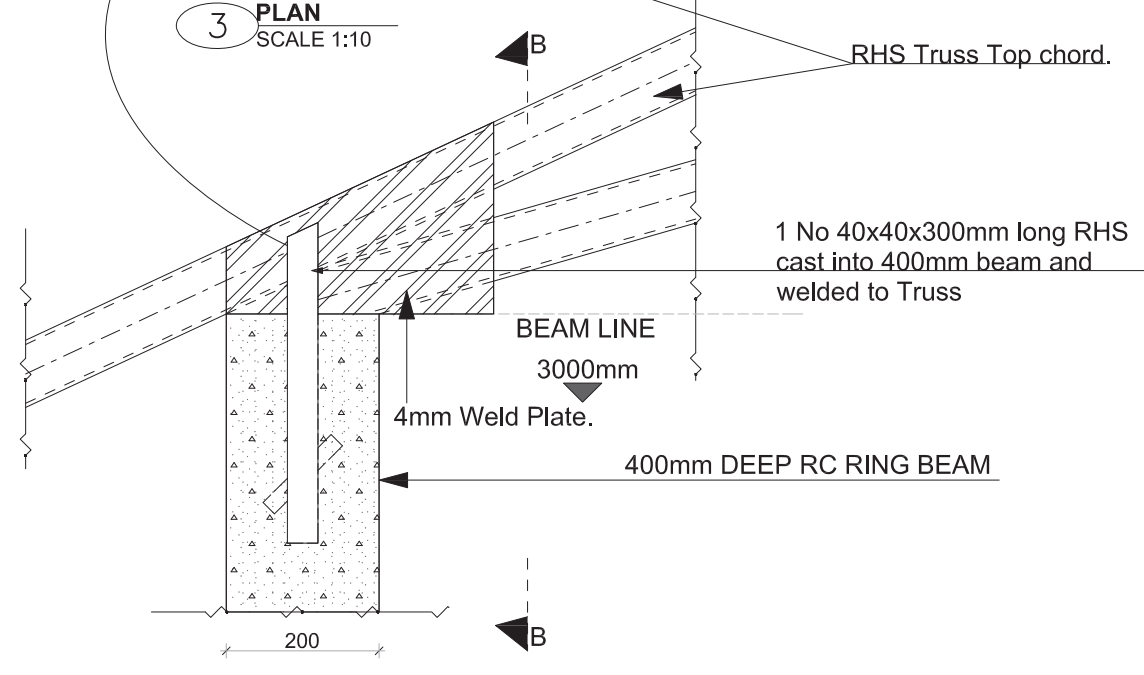
1 STEEL SCISSOR TRUSS (T1)  
SCALE 1:50



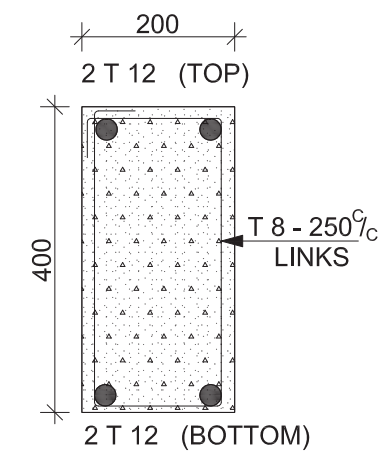
2 STEEL SCISSOR TRUSS (T2)  
SCALE 1:50



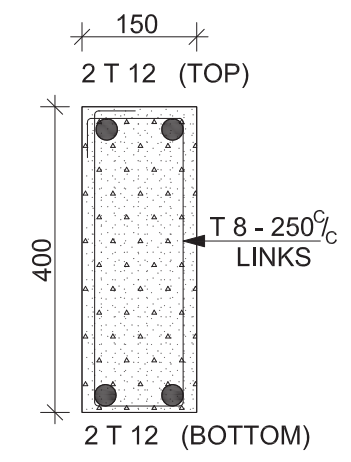
3 PLAN  
SCALE 1:10



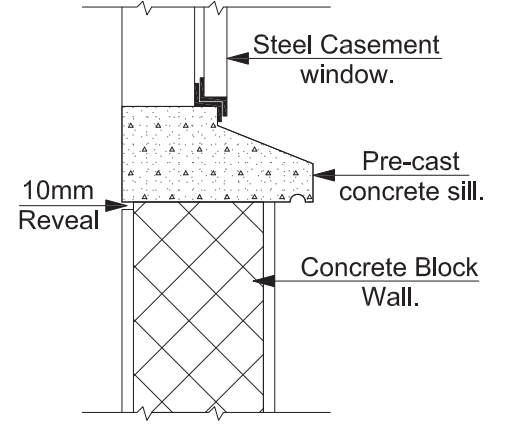
4 STEEL SCISSOR TRUSS AND BEAM CONNECTION DETAIL  
SCALE 1:10



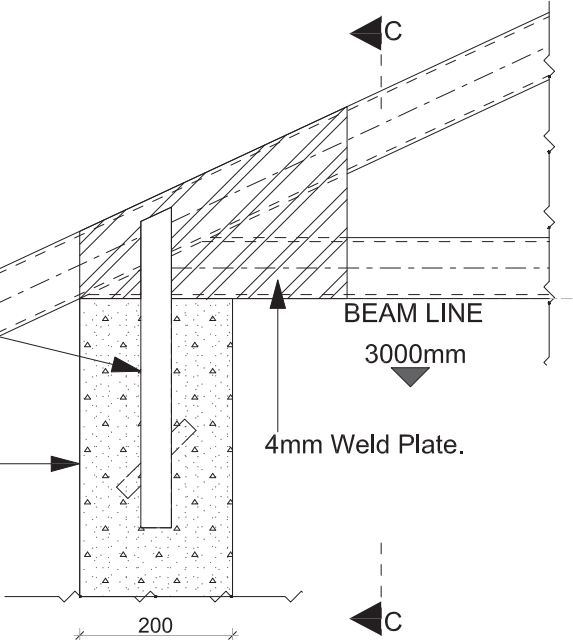
8 RING BEAM (RB)  
SCALE 1:10



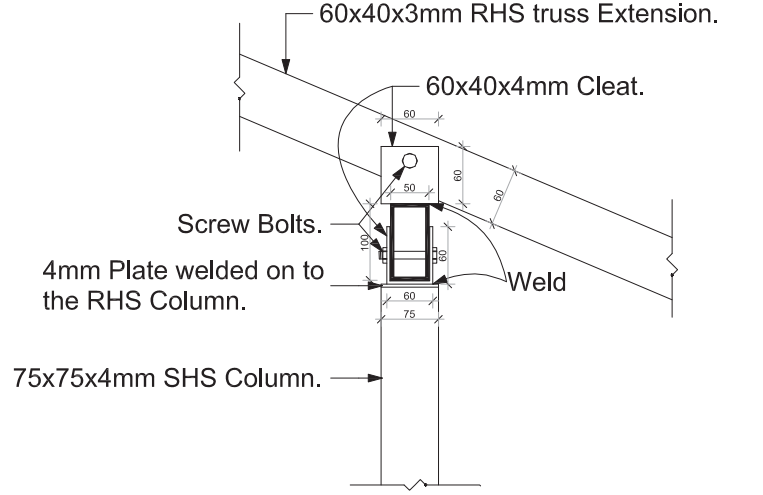
9 RING BEAM (RB1)  
SCALE 1:10



10 WINDOW SILL DETAIL.  
SCALE 1:10



5 STEEL FINK TRUSS AND BEAM CONNECTION DETAIL  
SCALE 1:10



11 COLUMN & TRUSS CONNECTION DETAIL  
SCALE 1:10



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GPE Flood Respond

**Drawing Title**  
Construction of one block of four class rooms

**Check by:**  
Office of physical Planning & Construction, MoGEI

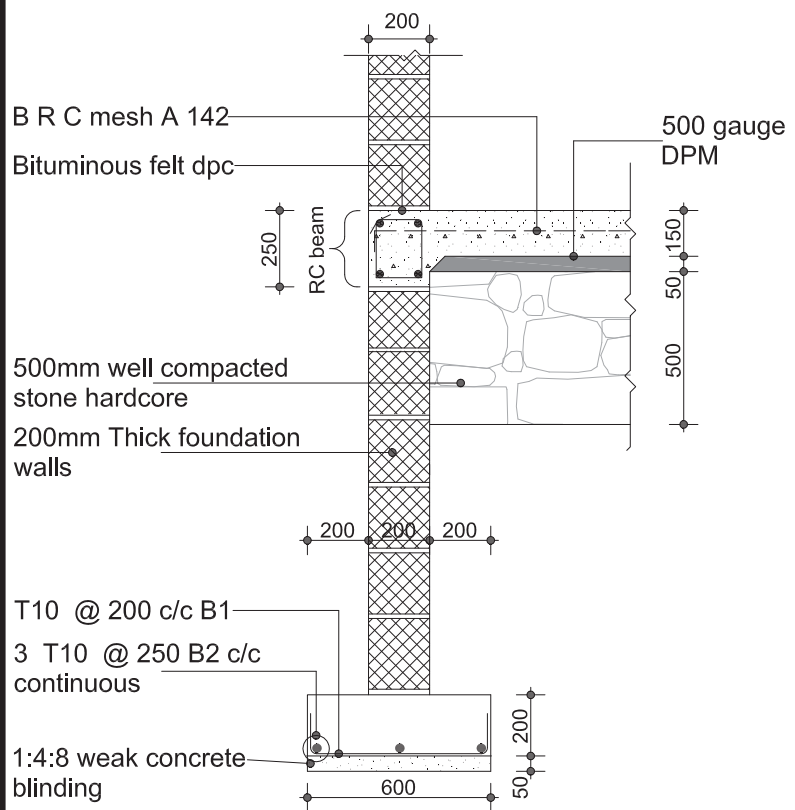
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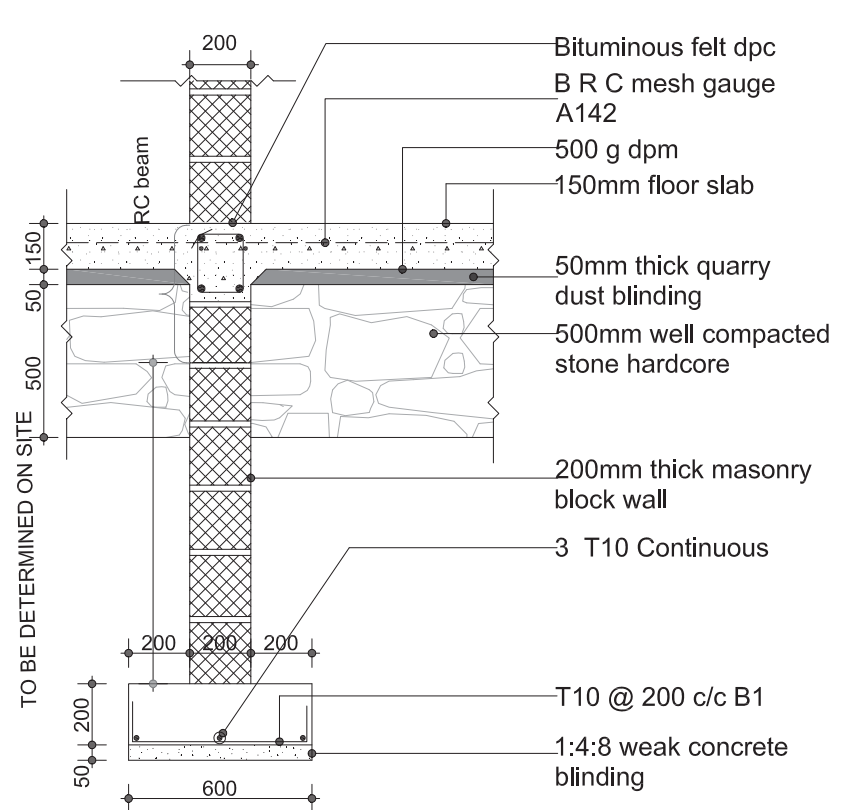
**Date**  
08/05/2023  
**Scale**

**Drawn by**  
Ojja C.  
**Checked by**  
James O

**Project No**  
Drawing No  
01  
**Revision**

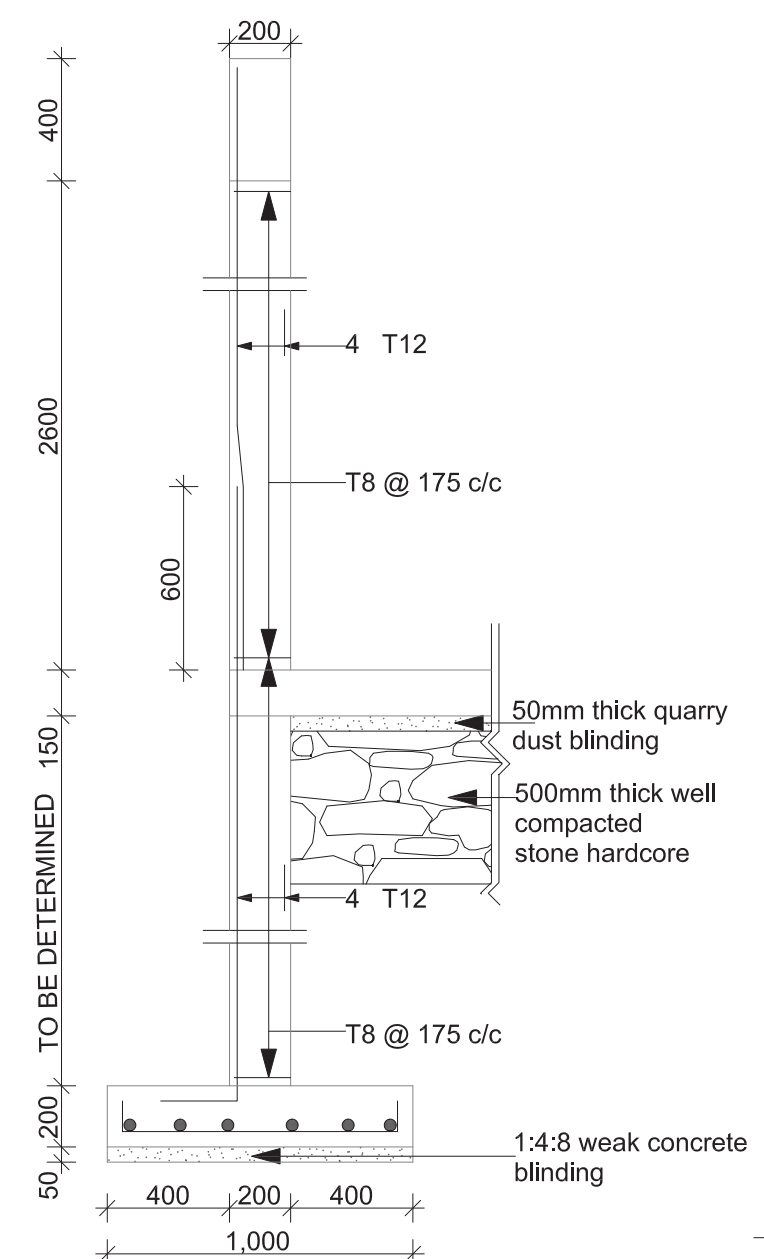


1 STRIP FOUNDATION FOOTING - SECTION S01  
SCALE 1:25

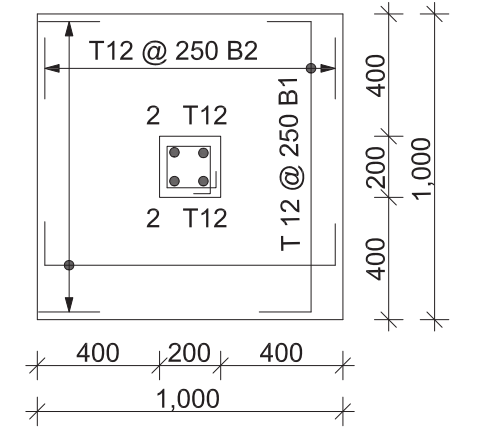


2 STRIP FOUNDATION FOOTING - SECTION S02  
SCALE 1:25

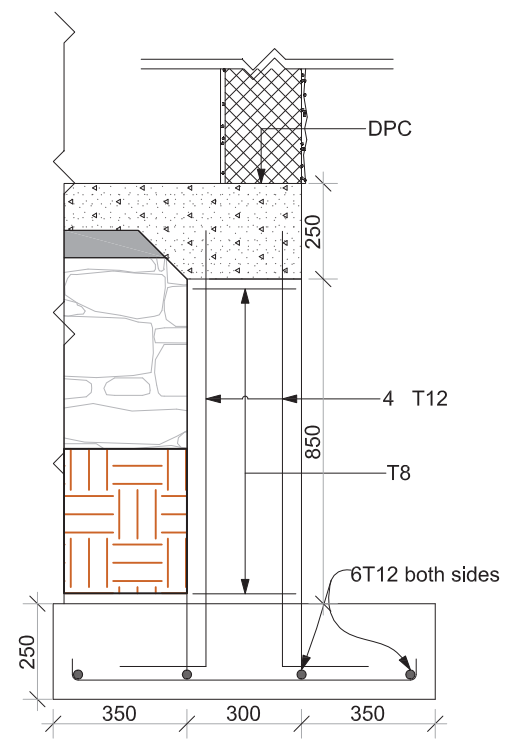
**NOTE:**  
- ALL SLABS SHOULD BE BAYED USING EXPANSION JOINTS  
- FOUR (4) BAYES PER FLOOR AREA



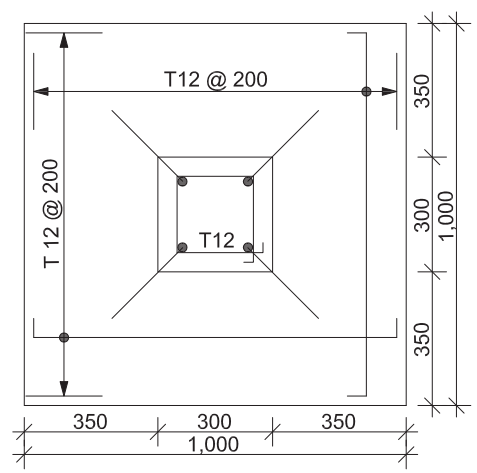
3 SECTION THROUGH COLUMN (C2)  
SCALE 1:25



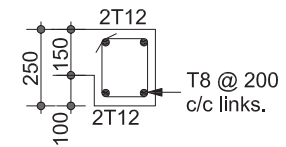
4 COLUMN BASE (TYPE C1)  
SCALE 1:25



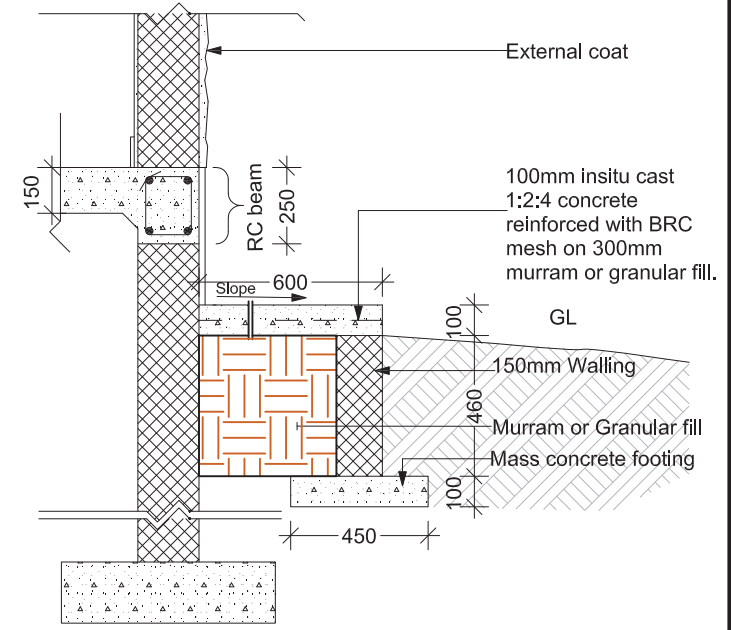
5 SECTION THROUGH STUB COLUMN (C1)  
SCALE 1:20



6 COLUMN BASE (TYPE C2)  
SCALE 1:10



SECTION THROUGH  
250x200mm GROUND BEAM  
SCALE 1:25



7 TYPICAL SECTION FOR PAVING SLAB  
SCALE 1:25



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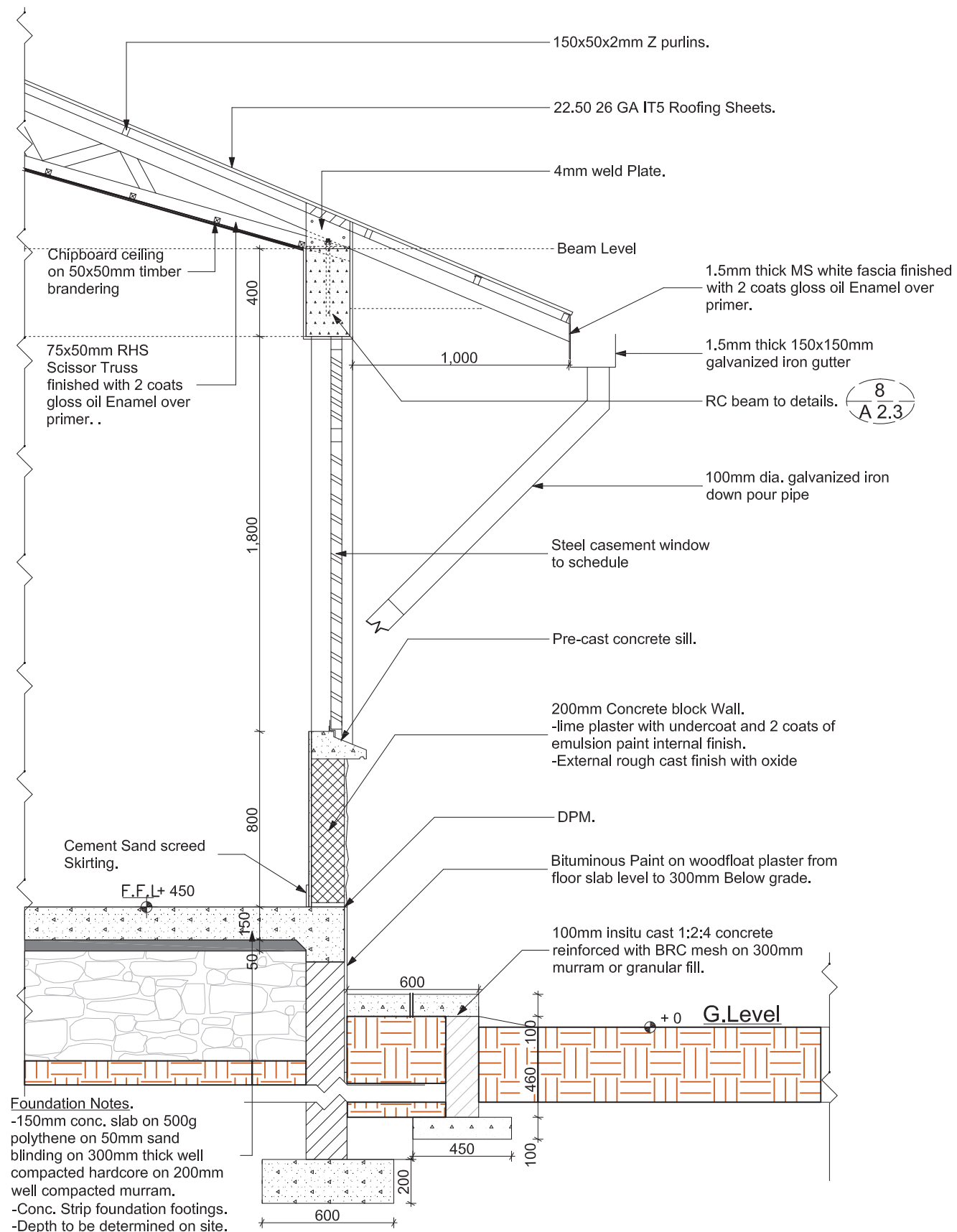
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08/05/2023

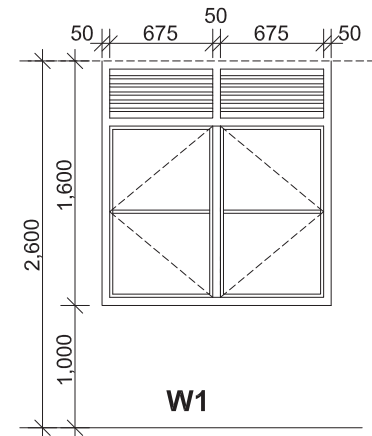
**Drawn by**  
Ojja C.

**Checked by**  
James O

| Project No |          |
|------------|----------|
| Drawing No | Revision |
| 01         |          |

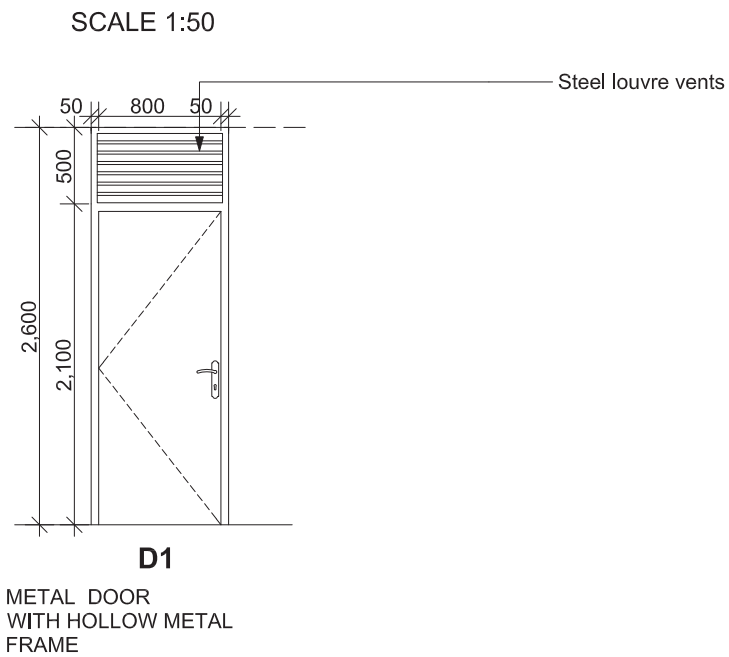


1 **TYPICAL WALL SECTION**  
SCALE 1:25



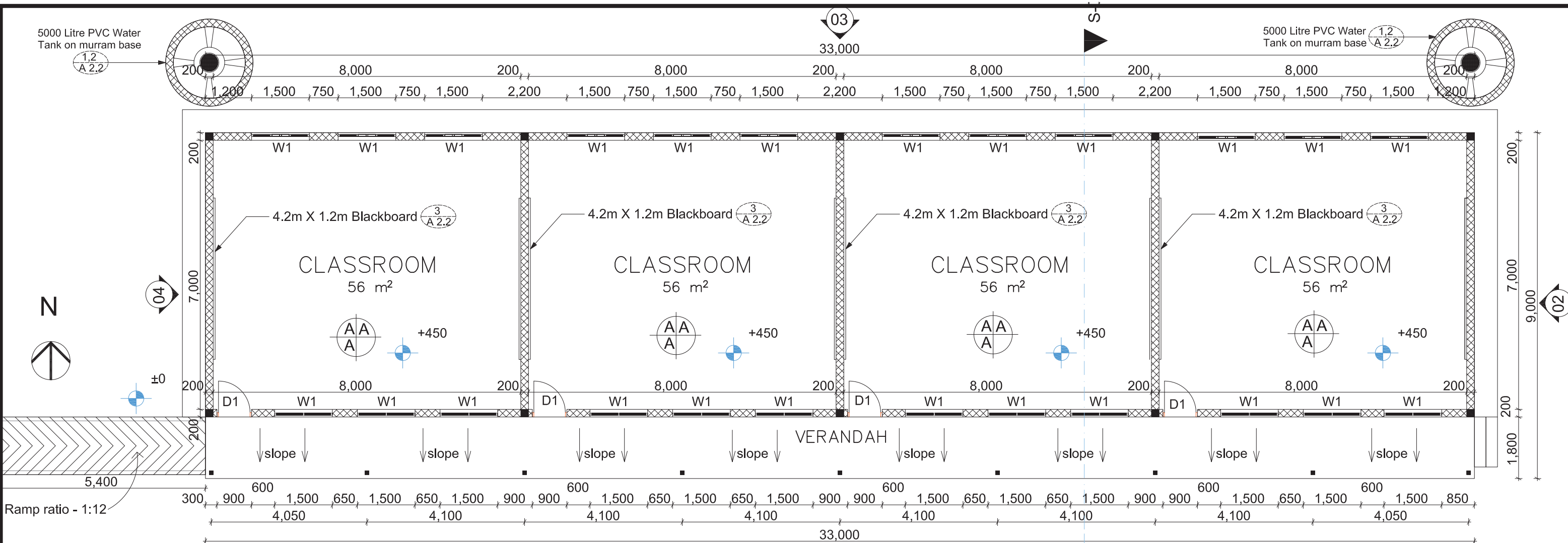
2 **WINDOW SCHEDULE**  
SCALE 1:50

- NOTE:**
- ALL STEEL TO BE FINISHED WITH ZINC CHROMATE PRIMER AND 2 COATS OF WHITE GLOSS PAINT
  - ADMINISTRATION WINDOWS TO BE BURGLAR PROOFED
  - ALL MOSQUITO NETS TO BE REINFORCED WITH WELDED MESH G10



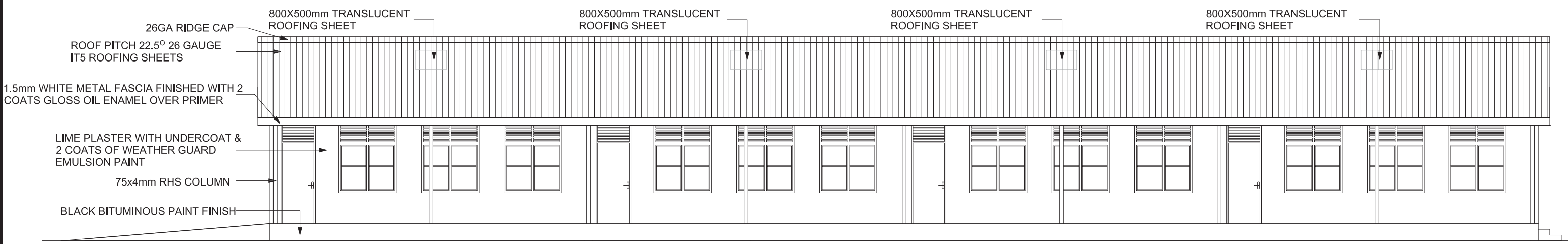
3 **DOOR SCHEDULE**  
SCALE 1:50

- NOTE:**
- ALL METAL DOOR FRAMES TO BE STEEL FRAMES
  - ALL STEEL TO BE FINISHED WITH ZINC CHROMATE PRIMER AND 2 COATS OF GLOSS PAINT
  - INTERNAL DOOR TO HAVE 2 LEVER LOCK
  - PROVIDE CYLINDER LOCK TO THE EXTERNAL DOOR



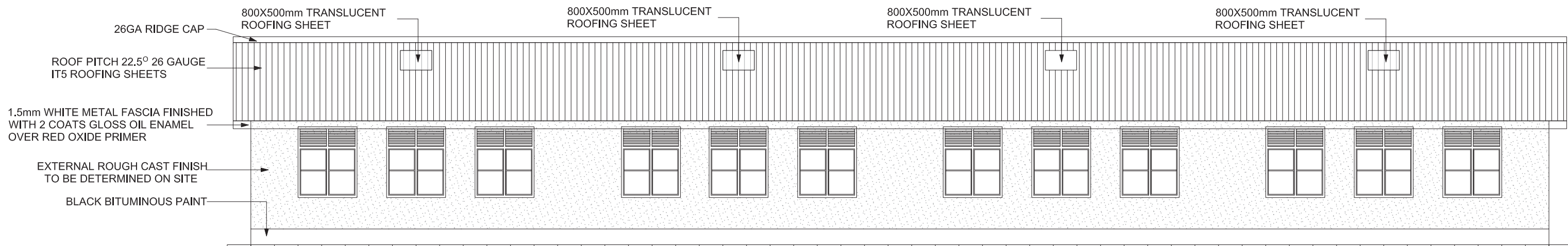
1 CLASSROOM  
SCALE 1:100

- FIXTURE FINISH LEGEND**
- F= FLOOR
  - S= SKIRTING
  - W= WALL
  - C= CEILING
- FLOOR**
- A= CONCRETE SLAB FLOATED WITH STEEL TROWEL AND BAYED USING EXPANSION JOINTS
  - B= CEMENT SCREED
- SKIRTING**
- A= CEMENT SCREED
- WALL**
- A = LIME PLASTER FINISHED WITH SILK VINYL EMULSION PAINT
- CEILING**
- A = 9mm CHIPBOARD CEILING

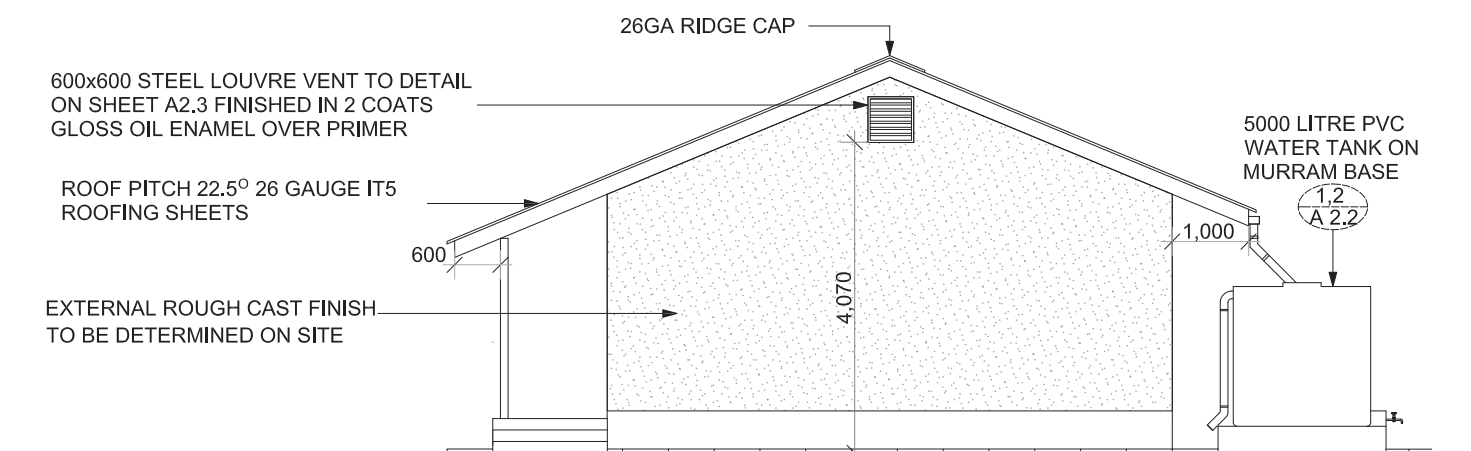


2 CLASSROOM ELEVATION 01  
SCALE 1:100

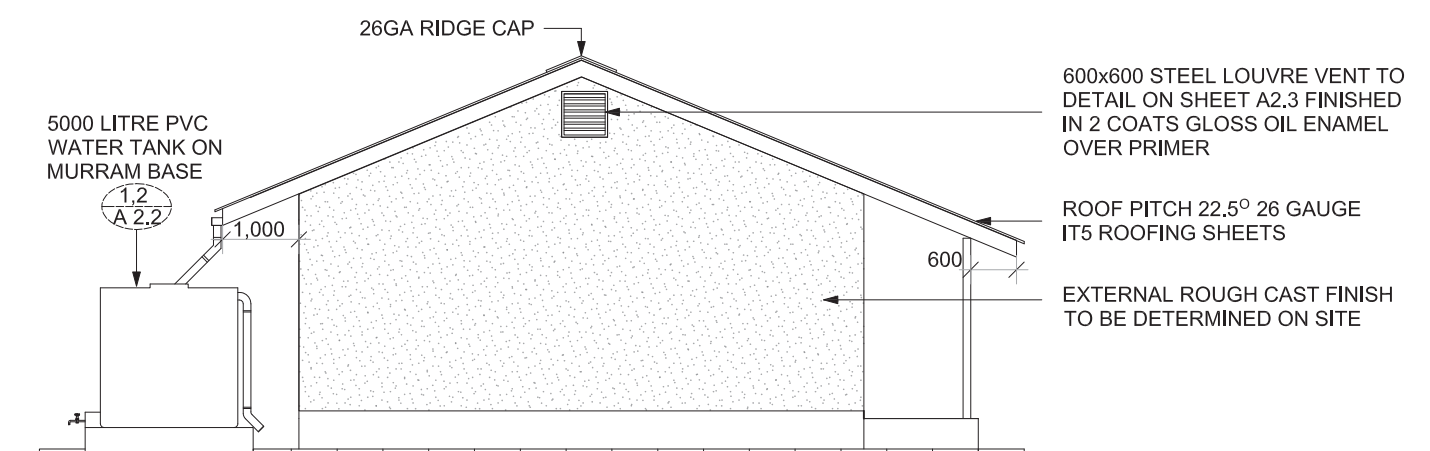
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|--|---|---|---|---|-----------------|------|-------------|---------------------------|----------------------------|-------------------|-------|------------|----------|
|  | <b>Project Title</b><br>GPE Flood Respond | <b>Drawing Title</b><br>Construction of one block of four class rooms | <b>Check by:</b><br>Office of physical Planning & Construction, MoGEI | <b>Approved by:</b><br>Ministry of Housing & Planning | <b>Revision</b> |      |             | <b>Date</b><br>08/05/2023 | <b>Drawn by</b><br>Ojja C. | <b>Project No</b> |       |            |          |
|  |   |   |   |   | No              | Date | Description |                           |                            | By                | Scale | Drawing No | Revision |
|  |   |   |   |   |                 |      |             |                           |                            |                   |       |            |          |
|  |   |   |   |   |                 |      |             | Checked by<br>James O     |                            |                   |       |            |          |



**1 CLASSROOM - ELEVATION 03**  
SCALE 1:100



**2 CLASSROOM - ELEVATION 02**  
SCALE 1:100



**3 CLASSROOM - ELEVATION 04**  
SCALE 1:100



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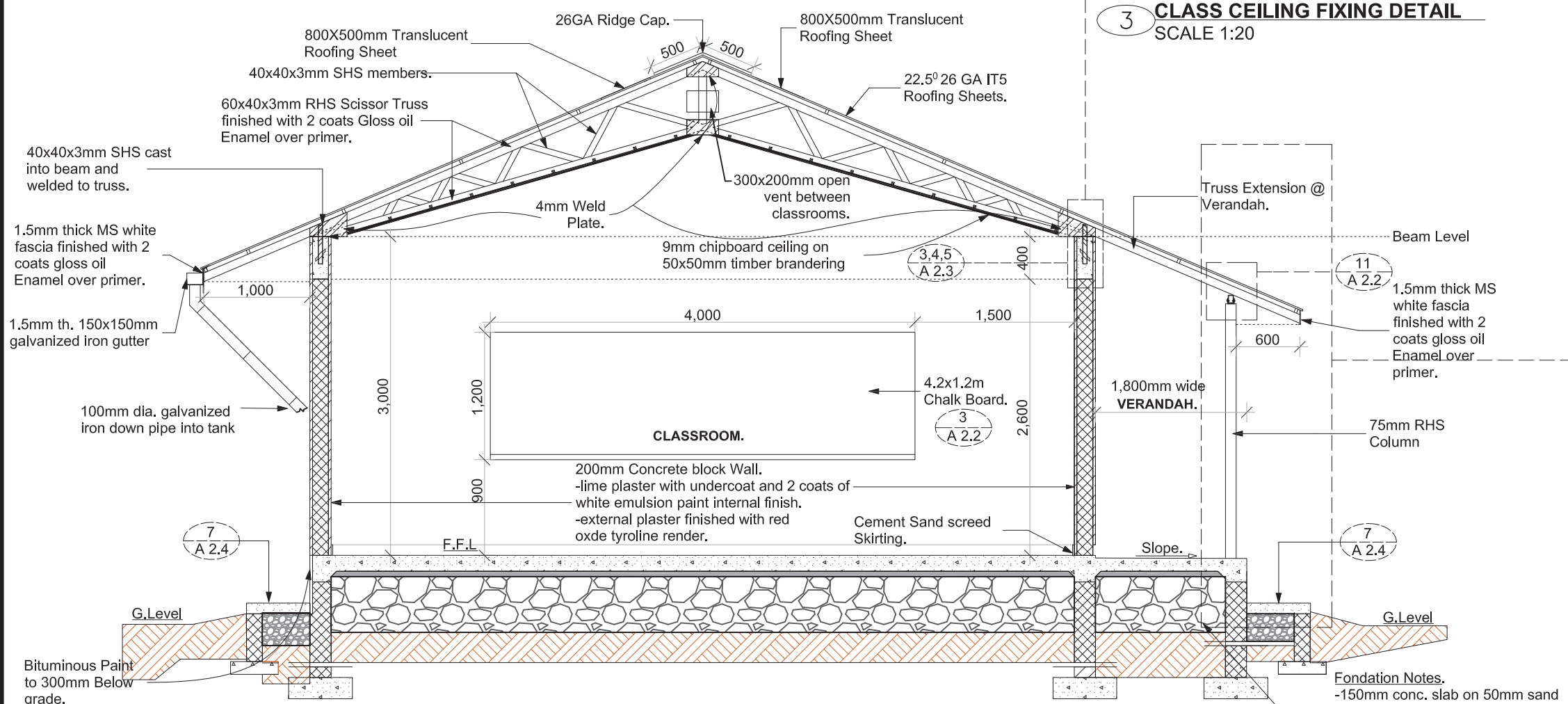
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Ojja C.  
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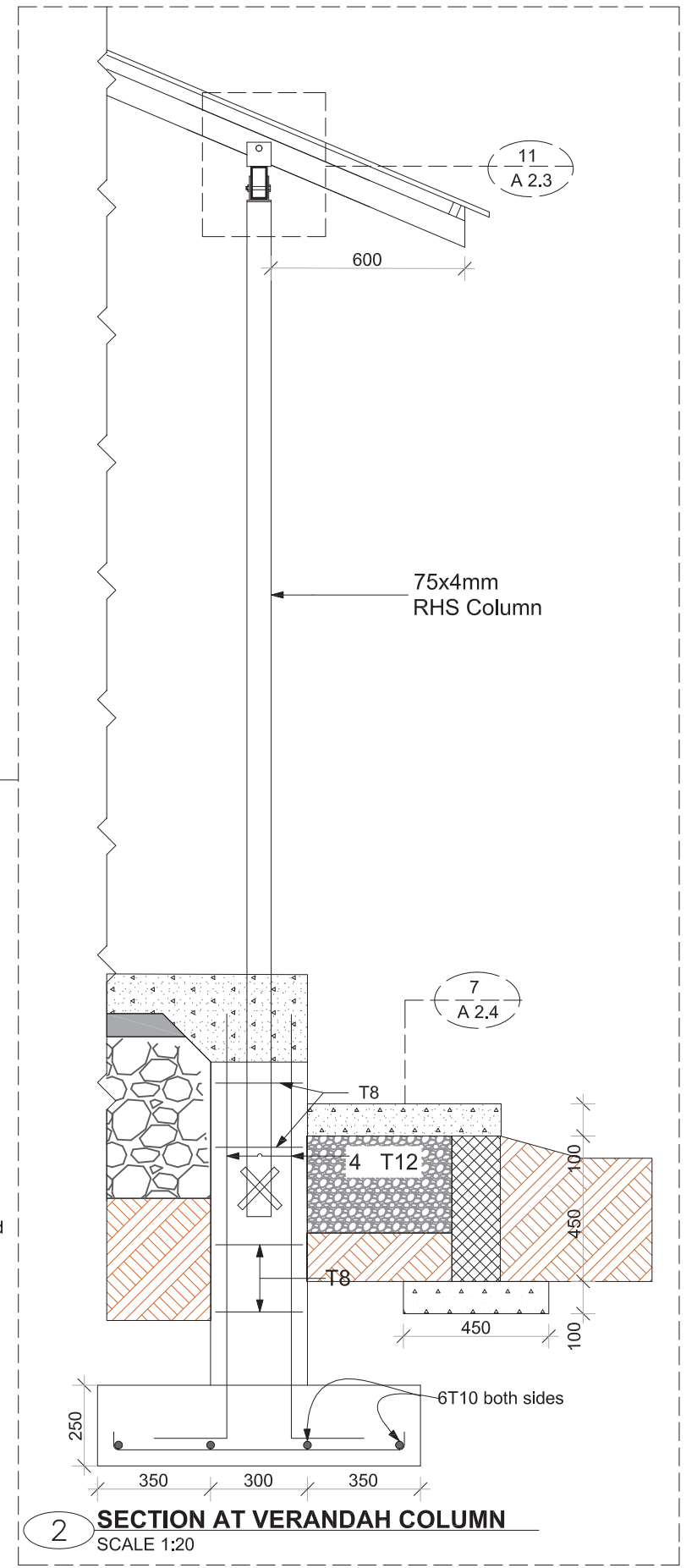
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01  
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**3 CLASS CEILING FIXING DETAIL**  
SCALE 1:20



**1 TYPICAL CLASSROOM SECTION**  
SCALE 1:50



**2 SECTION AT VERANDAH COLUMN**  
SCALE 1:20

**Foundation Notes.**  
 -150mm conc. slab on 50mm sand blinding on 300mm thick well compacted hardcore on 200mm thick well compacted murram..  
 -600x200mm Conc. Strip foundation footings.  
 -Depth Greater than 1,000mm.



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Ojja C.

**Checked by**  
James O

**Project No**  
01

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