



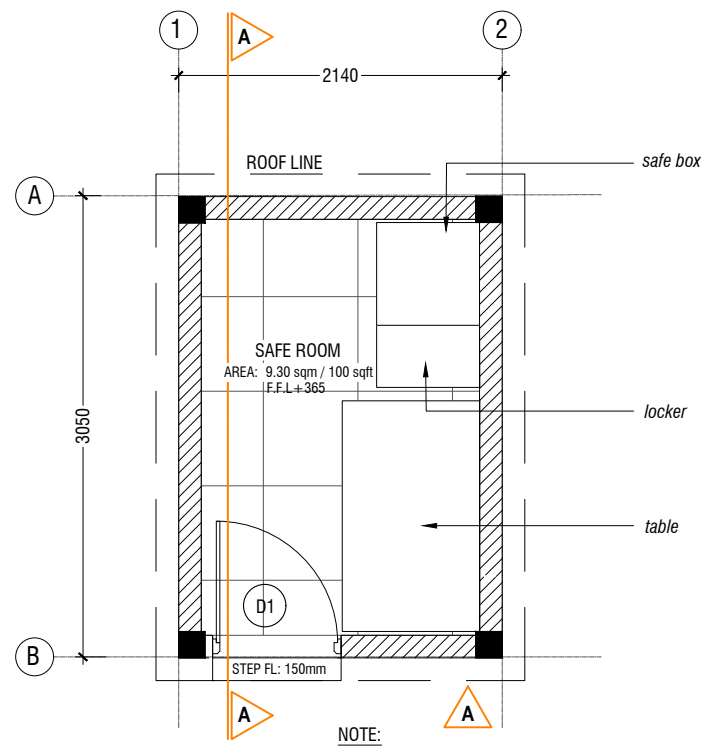
PHYSICAL FACILITIES DEVELOPMENT SECTION

MINISTRY OF EDUCATION, REPUBLIC OF MALDIVES

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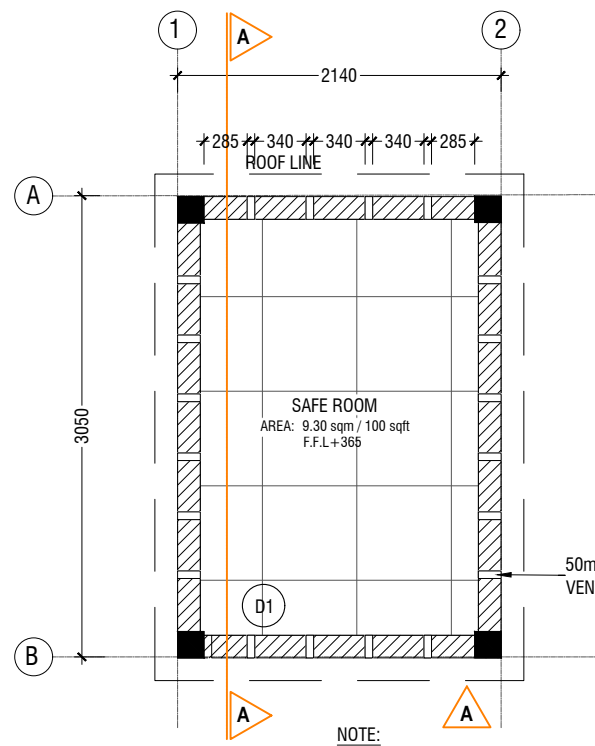
# PROPOSED SAFEROOM - TYPE 3 (SINGLE STOREY)

## ARCHITECTURAL & STRUCTURAL DRAWINGS



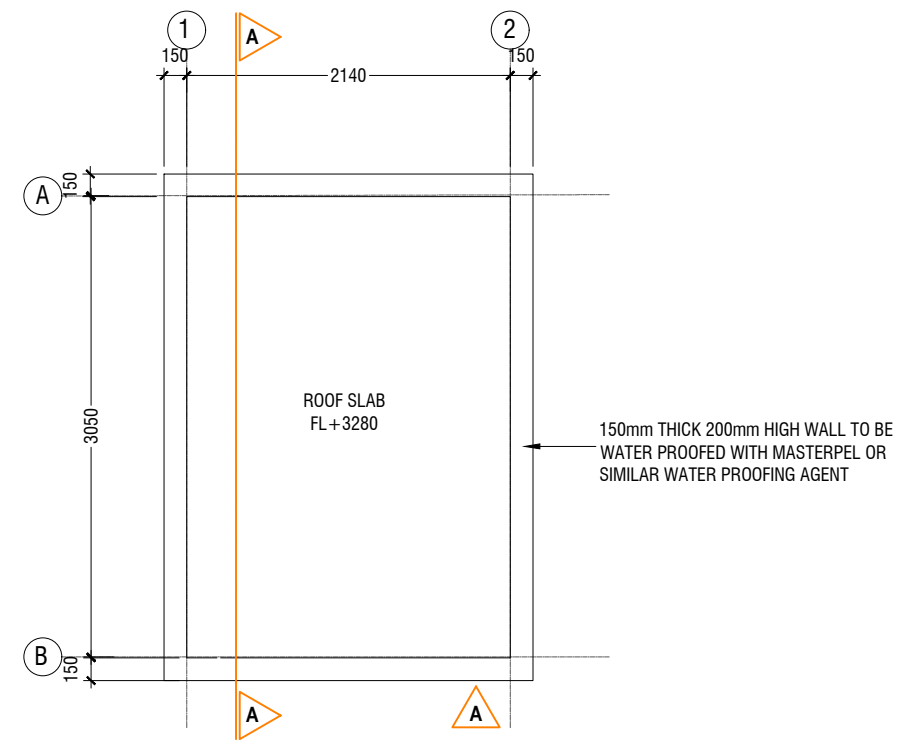
NOTE:

PROPOSED 150mm THICK SOLID BLOCK - EXTERIOR MASONRY WALL - EXTERIOR WITH 20mm PLASTERING, INTERIOR WITH 16mm PLASTERING, GROUND SMOOTH IN SELECTED PAINT FINISH



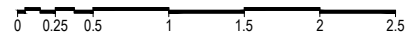
NOTE:

PROPOSED 150mm THICK SOLID BLOCK - EXTERIOR MASONRY WALL - EXTERIOR WITH 20mm PLASTERING, INTERIOR WITH 16mm PLASTERING, GROUND SMOOTH IN SELECTED PAINT FINISH



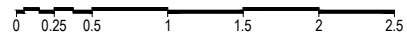
### SECURE ROOM - PLAN

SCALE 1:50



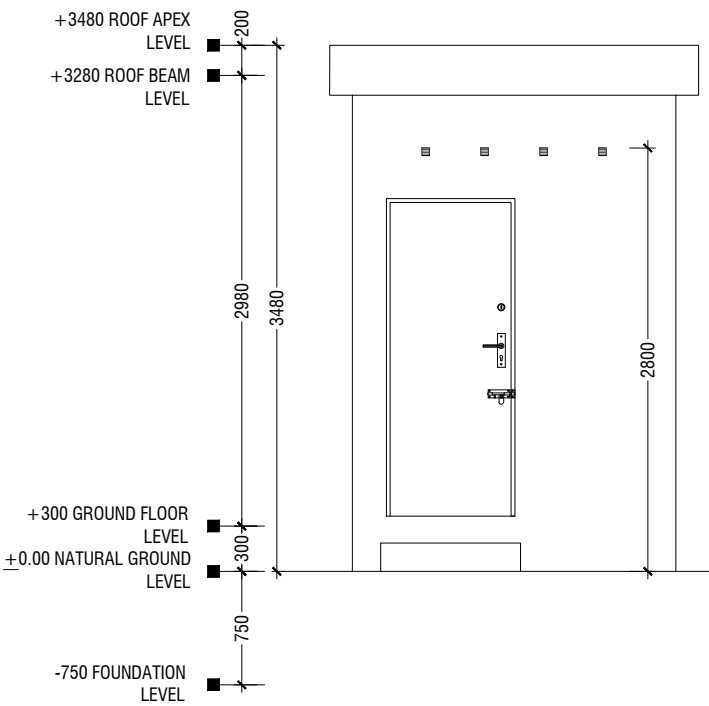
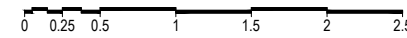
### VENT PIPE- PLAN (+2800)

SCALE 1:50



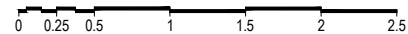
### SECURE ROOM- ROOF PLAN

SCALE 1:50



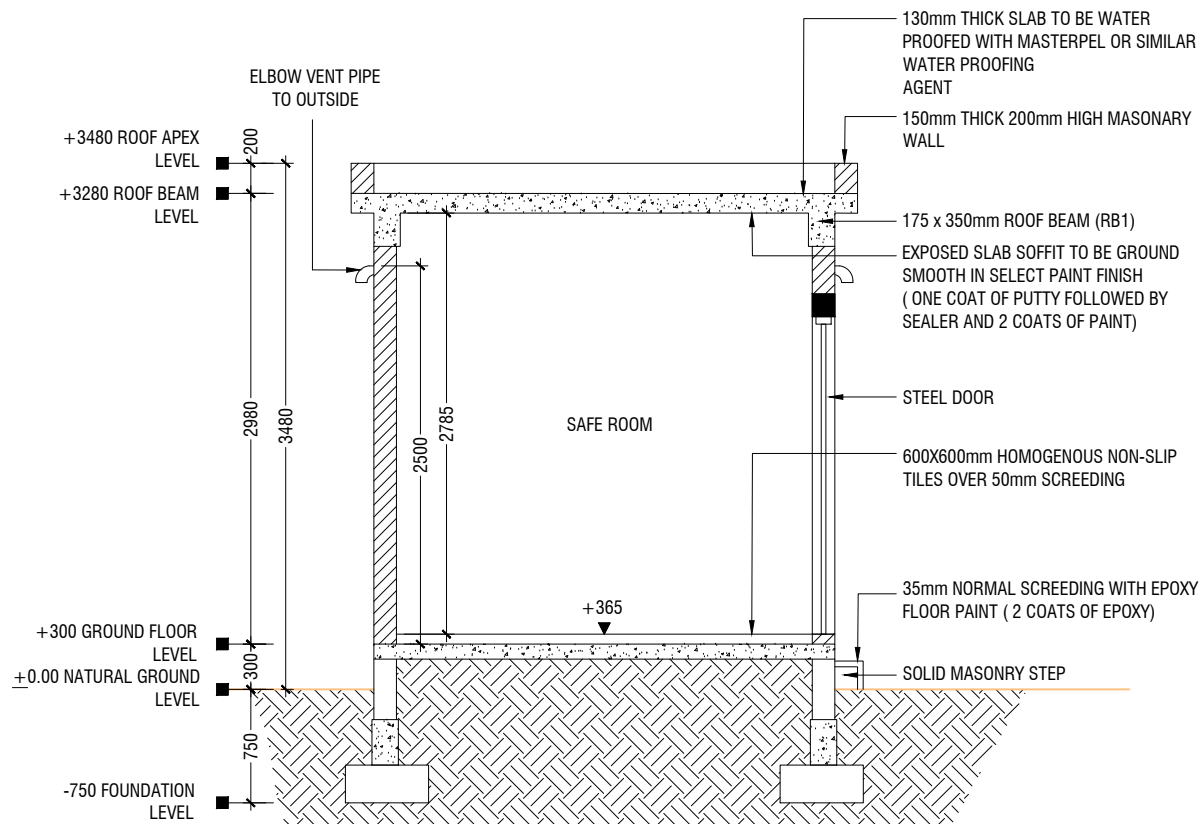
### ELEVATION A- A

SCALE 1:50



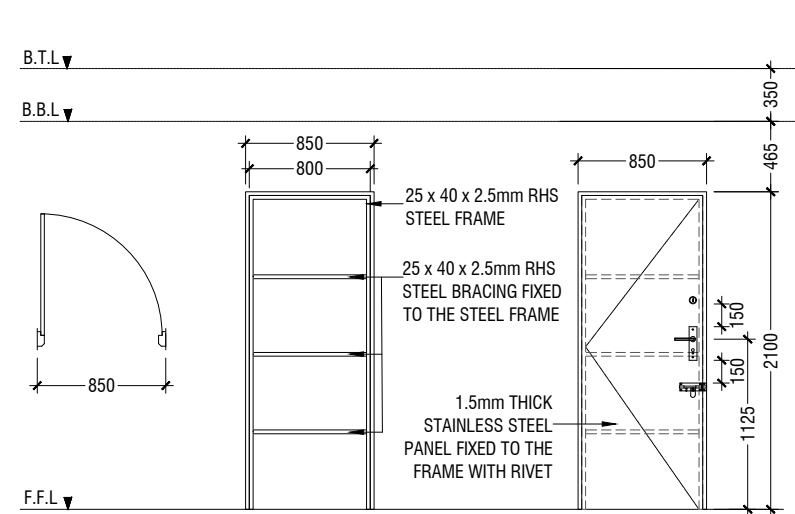
### SECURE ROOM

SCALE 1:50



### SECTION A- A

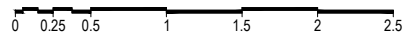
SCALE 1:50



D1	SWING DOOR
REMARKS	25 x 40 x 2.5mm RHS THICK STEEL FRAMED WITH STEEL PANEL STEEL DOUBLE LOCK, BIRD LOCK AND PAD LOCK
LOCATION	SECURE ROOM
QUANTITY	01 NOS
OPEN AREA	1.66 sqm

### DOOR SCHEDULE

SCALE 1:50



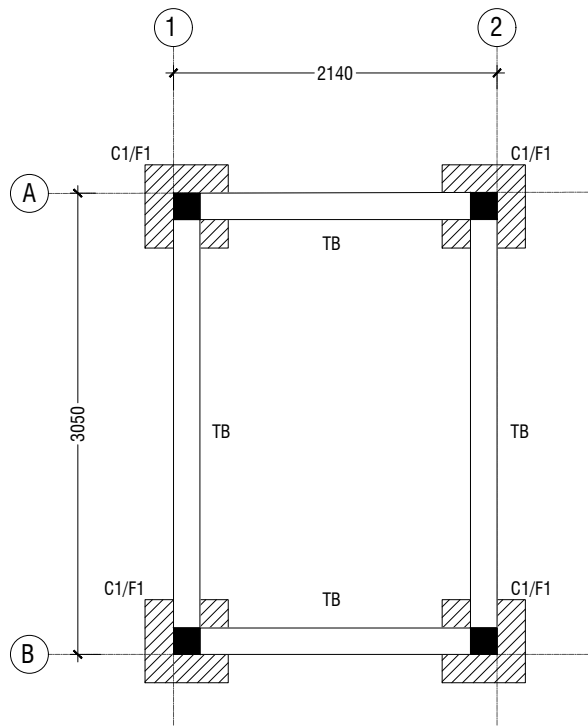
PROJECT:  
**PROPOSED SAFE ROOM - TYPE 3**

PROJ. REF:  
SCALE: AS GIVEN

ARCHITECT:  
ENGINEER:  
DRAWN:  
CHECKED:  
DATE: 23.11.2022

AMMENDMENTS		
Issue	Date	Description

DWG NO: A-01/02



NOTE:

**COLUMN SIZES**

C1 : 175x175 mm  
COVER : 40mm

**FOUNDATION PAD SIZES**

	DIMENSION	REINFORCEMENT
F1	550 x 550 x 250	T10@150 C/C B/W (B)

FOUNDATION DEPTH : 750mm BELOW GROUND LEVEL

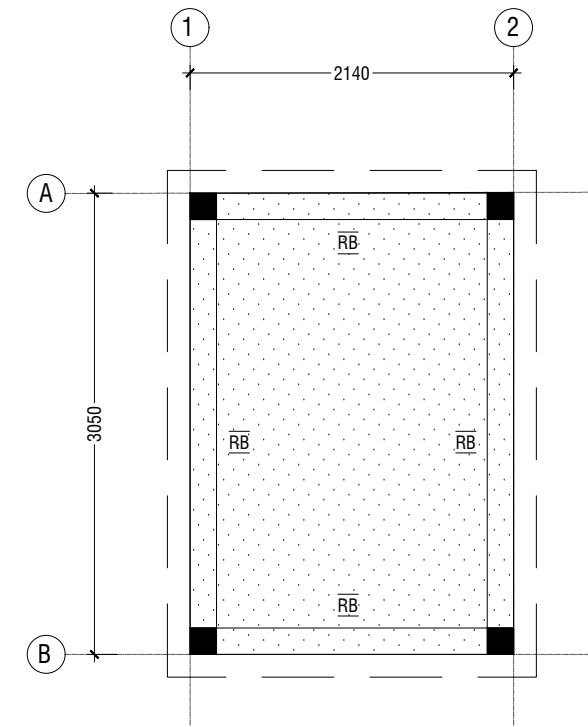
ALL FOOTINGS ARE TO BE LAID ON TOP OF 50mm THICK LEAN CONCRETE  
APPLY WATER PROOFING TO SUBSTRUCTURE (BELOW GROUND ELEMENTS)

**TIE BEAM SIZES**

TB : 175x300 mm  
COVER : 50mm

GROUND SLAB : 100MM THICK CONCRETE SLAB,  
R6@200 C/C BW SINGLE LAYER

GRADE OF CONCRETE M25



NOTE

SLAB THICKNESS - 130 mm

T10@175 C/C BW T&B

**FOUNDATION - PLAN**

SCALE 1:50



**ROOF BEAM & SLAB PLAN**

SCALE 1:50



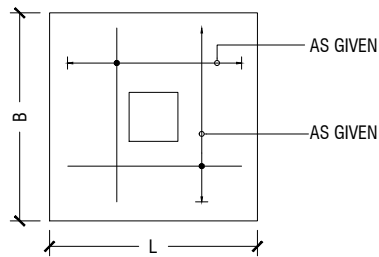
	DIMENSION (LxBxD)	REINFORCEMENT
F1	550 x 550 x 250	T10@150 C/C B/W (B)

FOUNDATION DEPTH = 750mm

NOTE:-  
COVER TO FOUNDATION = 50mm  
COVER TO COLUMNS = 40mm  
COVER TO BEAMS = 35mm

GRADE OF CONCRETE M25

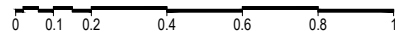
**FOUNDATION PADS**



**PLAN**

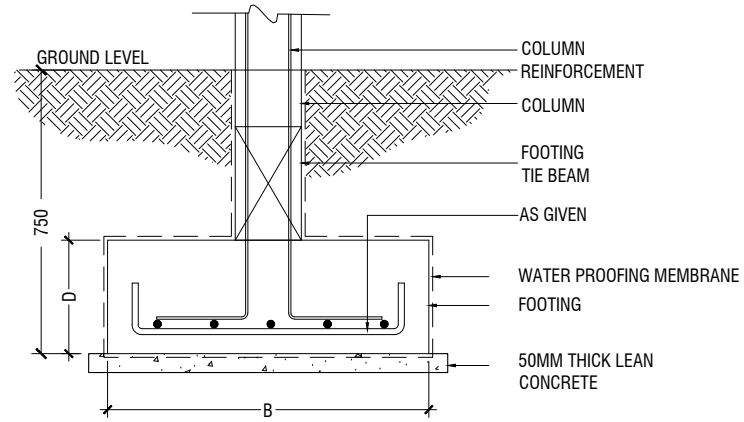
**STRUCTURAL DETAILS**

SCALE 1:20



**SECURE ROOM**

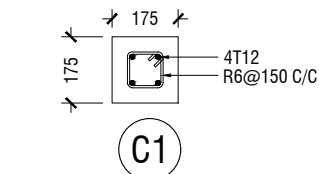
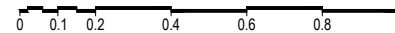
SCALE 1:50



**SECTION**

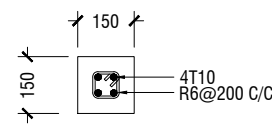
**FOOTING DETAILS**

SCALE 1:20



**COLUMN DETAILS**

SCALE 1:20

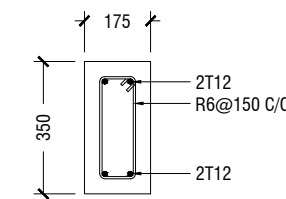


**LT1**

\*LINTEL OVER DOOR

**LINTEL/SILL BEAM DETAIL**

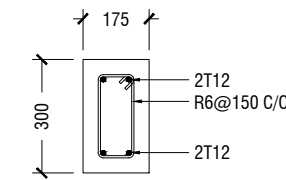
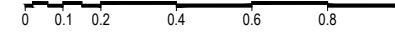
SCALE 1:20



**RB**

**ROOF BEAM DETAIL**

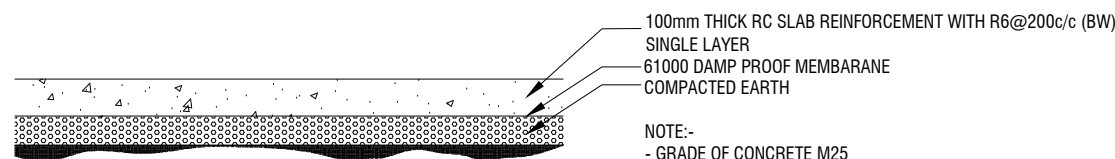
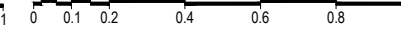
SCALE 1:20



**TB**

**FOUNDATION DETAILS**

SCALE 1:20



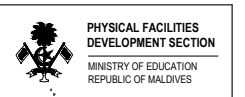
**GROUND SLAB DETAIL**

SCALE 1:20



NOTE:-

- GRADE OF CONCRETE M25  
- PROPER WATER PROOFING SHALL BE APPLIED TO ALL UNDERGROUND STRUCTURES ( TO CONSULTANTS SPECIFICATIONS)  
-BACKFILLING SHALL BE DONE AS PER TECHNICAL SPECIFICATIONS



PROJECT :  
**PROPOSED SAFE ROOM - TYPE 3**

PROJ. REF:

SCALE : AS GIVEN

ARCHITECT :

ENGINEER :

DRAWN :

CHECKED :

DATE : 23.11.2022

**AMMENDMENTS**

Issue	Date	Description

DWG NO : **A-02/02**

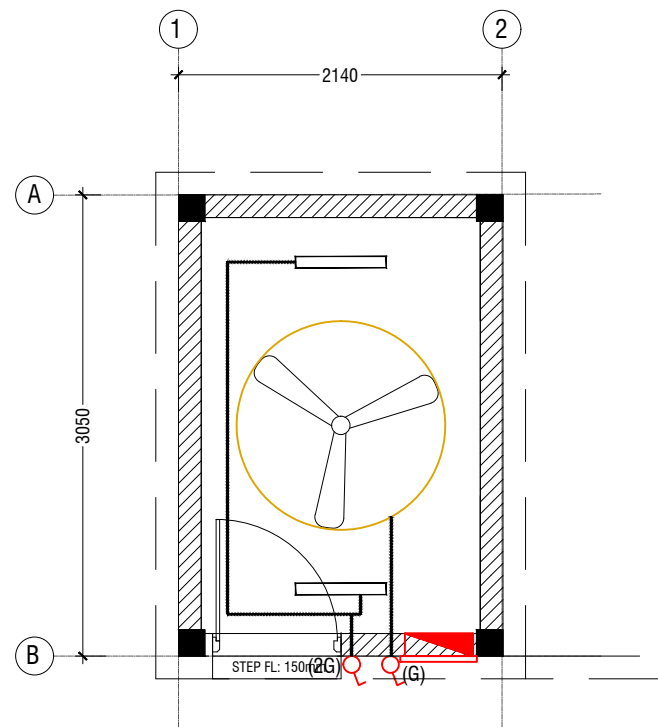


PHYSICAL FACILITIES DEVELOPMENT SECTION  
MINISTRY OF EDUCATION, REPUBLIC OF MALDIVES

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# PROPOSED SAFEROOM - TYPE 3 (SINGLE STOREY)

## SERVICES DRAWINGS

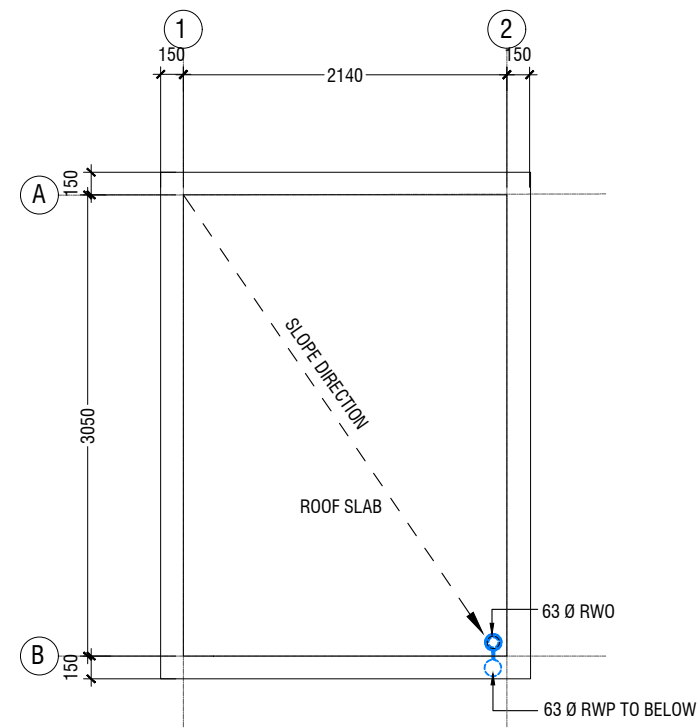


**LEGEND**

- CL2 LED TUBE LIGHT WITH OPAL CASING
- CEILING FAN (52" - 54")
- DISTRIBUTION BOX
- 13A TWIN SOCKET OUTLET
- LIGHT SWITCH
- SWITCHING LINE

**NOTE:**

1. ALL WIRING TO BE OF STELCO APPROVED STANDARDS
2. SWITCH CONTROL = 1200MM FROM FLOOR FIN. LEVEL
3. ALL LIGHTING POINTS CONNECTED TO THEIR RESPECTIVE DB
4. POLYCARBONATE ENCLOSURE TO ALL SWITCH AND SOCKET WHICH ARE LOCATED AT THE OUTDOORS
5. SWITCH CONTROL / SOCKET = 1100MM - 1200MM FROM FLOOR FIN. LEVEL



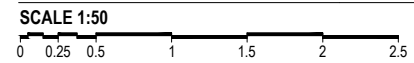
**LEGEND**

- RWP 63 Ø RAINWATER PIPE
- RWO 63 Ø DRAIN OUTLET

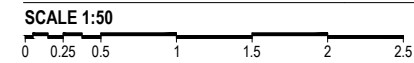
**NOTE:**

- ALL RAINWATER PIPES TO BE AT GROUND LEVEL DISCHARGED THROUGH A PERFORATED COWL OR TO A SOAK PIT

**SECURE ROOM - LIGHTING & POWER LAYOUT**



**SECURE ROOM - DRAINAGE LAYOUT**



PROJECT:  
**PROPOSED SAFE ROOM - TYPE 3**

PROJ. REF: \_\_\_\_\_

SCALE: AS GIVEN

ARCHITECT: \_\_\_\_\_

ENGINEER: \_\_\_\_\_

DRAWN: \_\_\_\_\_

CHECKED: \_\_\_\_\_

DATE: 23.11.2022

**AMMENDMENTS**

Issue	Date	Description

DWG NO: **S-01/01**