

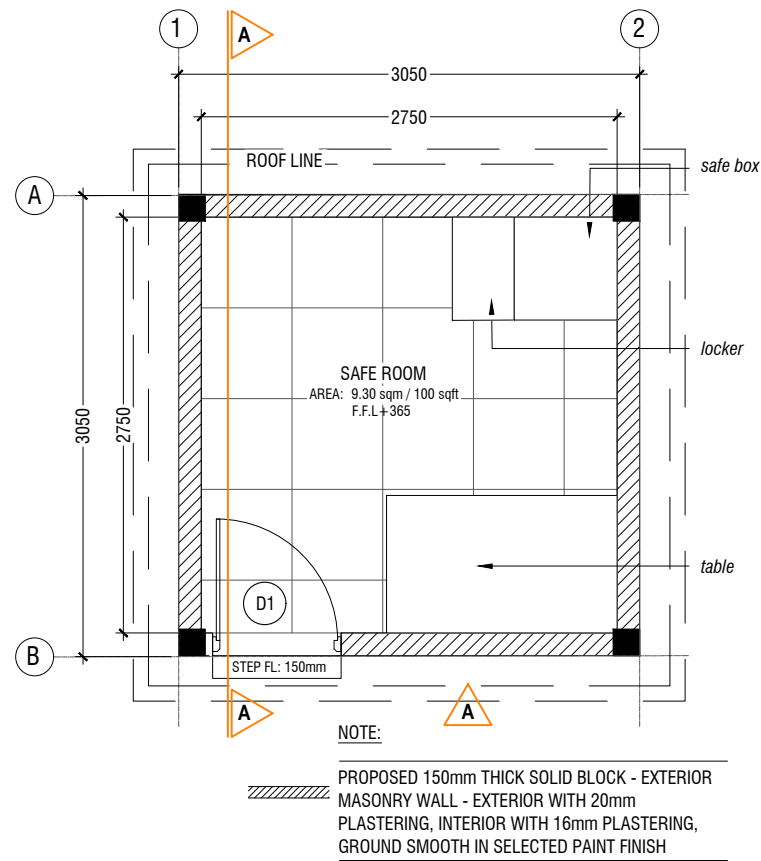


PHYSICAL FACILITIES DEVELOPMENT SECTION

MINISTRY OF EDUCATION, REPUBLIC OF MALDIVES

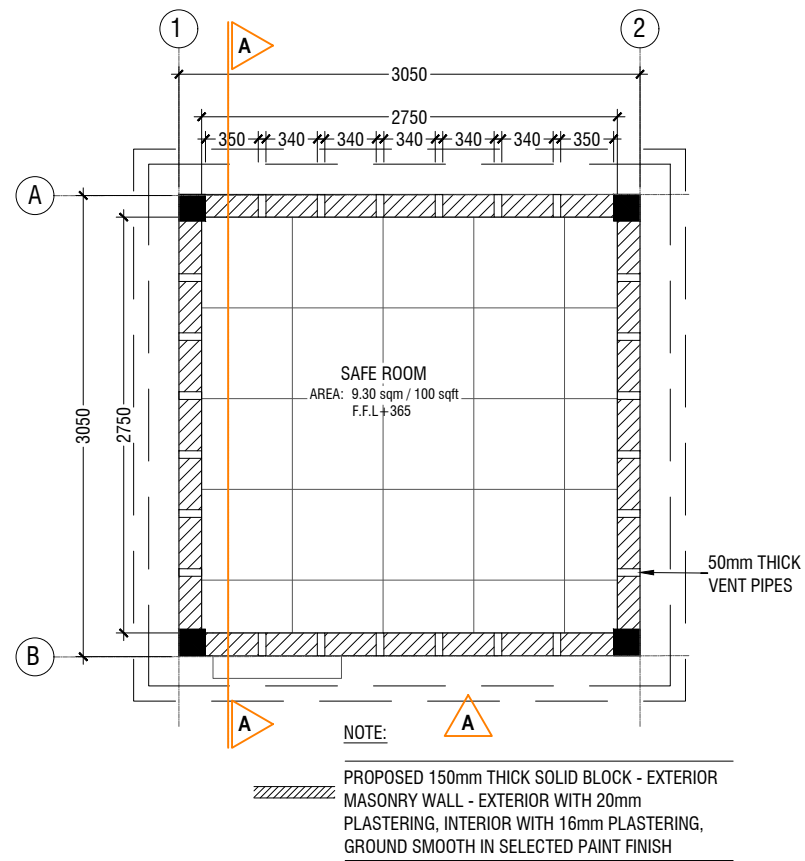
PROPOSED SAFEROOM - TYPE 1 (SINGLE STOREY)

ARCHITECTURAL & STRUCTURAL DRAWINGS



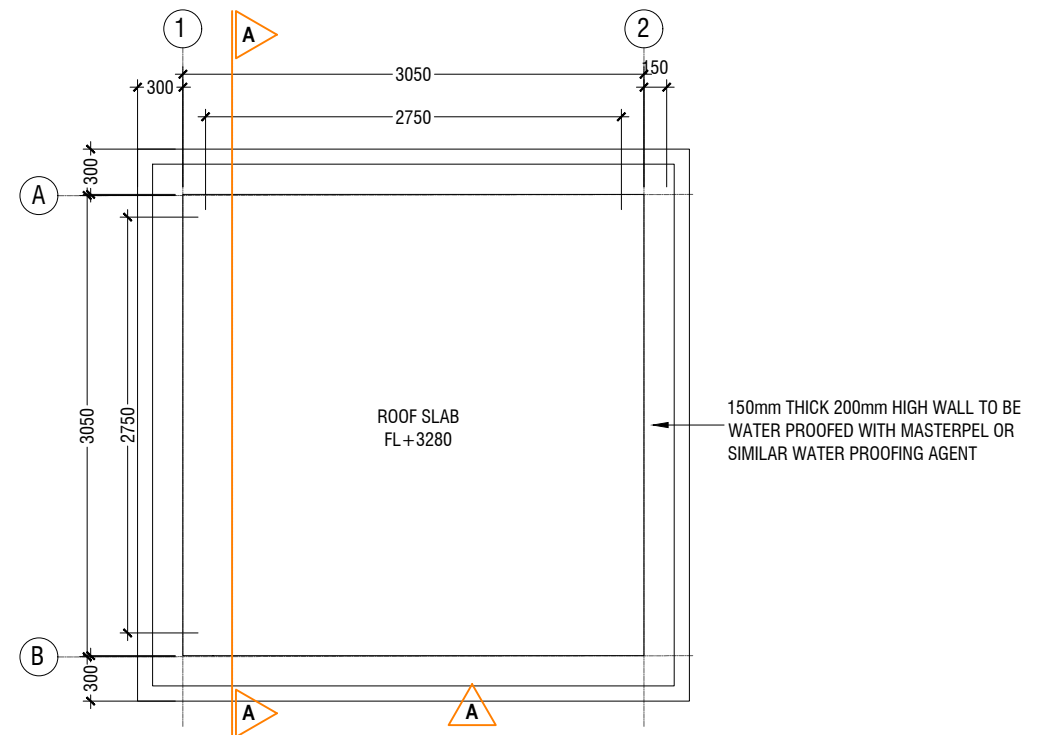
SECURE ROOM - PLAN

SCALE 1:50
 0 0.25 0.5 1 1.5 2 2.5



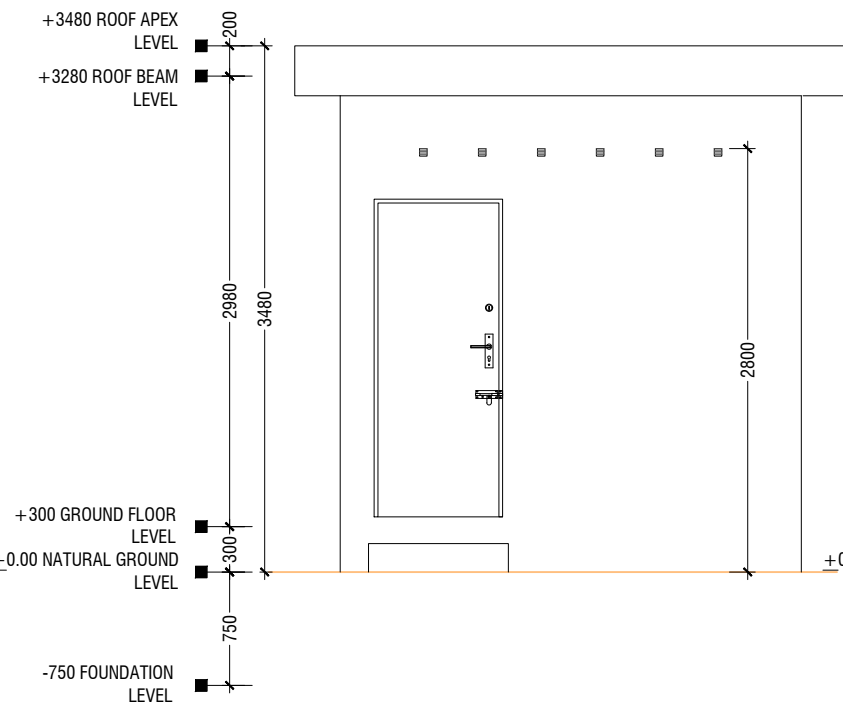
VENT PIPE- PLAN (+2800)

SCALE 1:50
 0 0.25 0.5 1 1.5 2 2.5



SECURE ROOM - PLAN

SCALE 1:50
 0 0.25 0.5 1 1.5 2 2.5

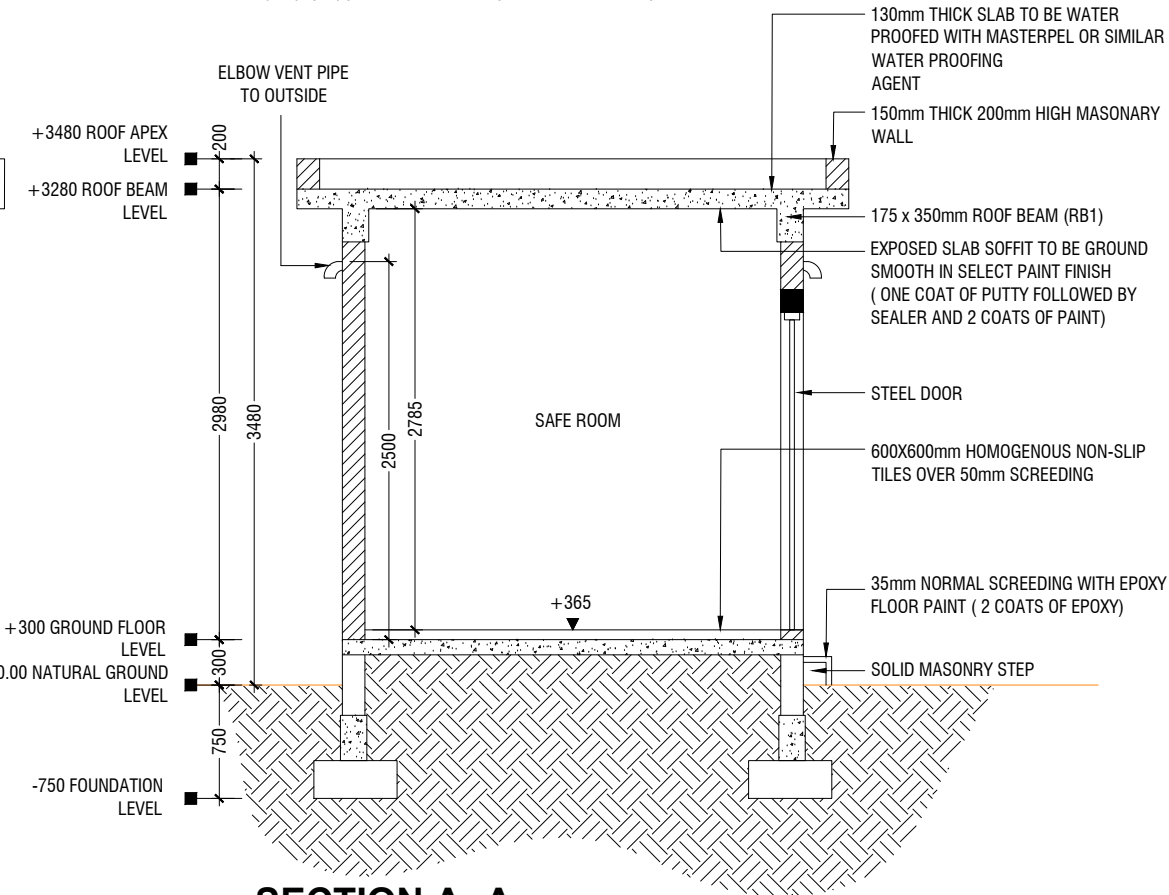


ELEVATION A- A

SCALE 1:50
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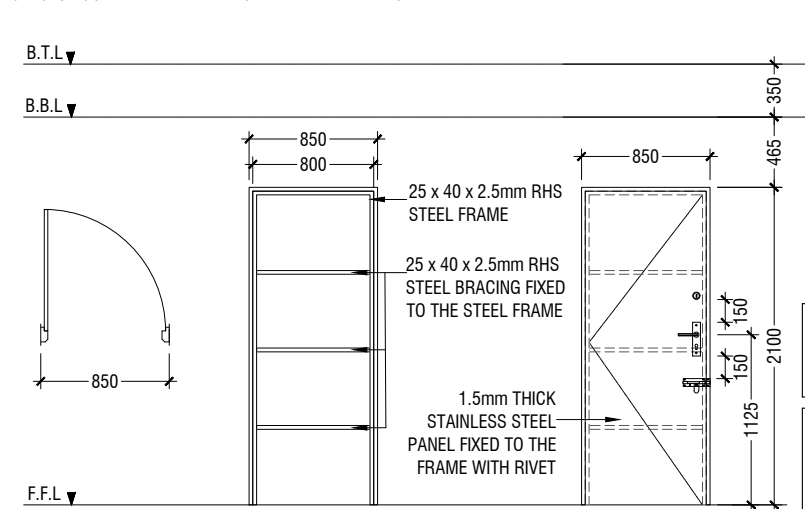
SECURE ROOM

SCALE 1:50
 0 0.25 0.5 1 1.5 2 2.5



SECTION A- A

SCALE 1:50
 0 0.25 0.5 1 1.5 2 2.5



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
 0 0.25 0.5 1 1.5 2 2.5



PROJECT :
PROPOSED SAFE ROOM - TYPE 1

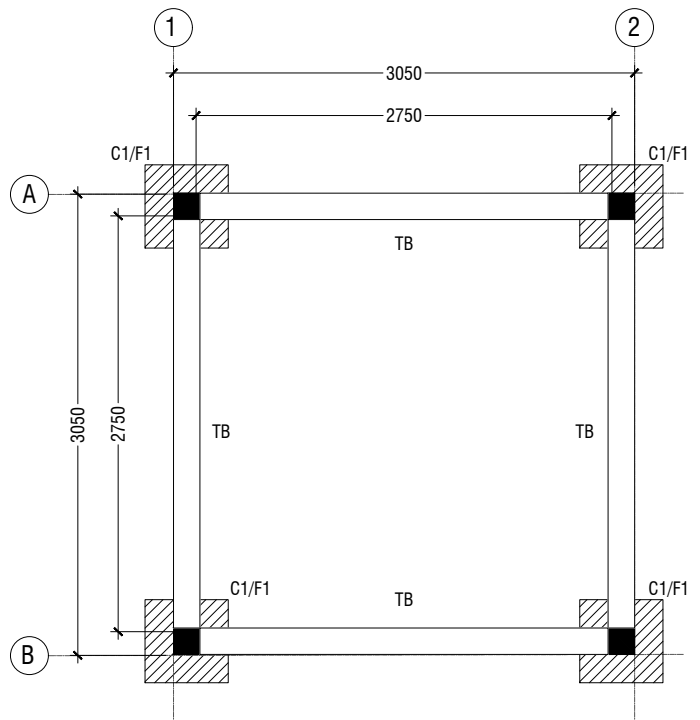
PROJ. REF:
 SCALE : AS GIVEN

ARCHITECT :
 ENGINEER :
 DRAWN :
 CHECKED :
 DATE : 24.04.2024

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

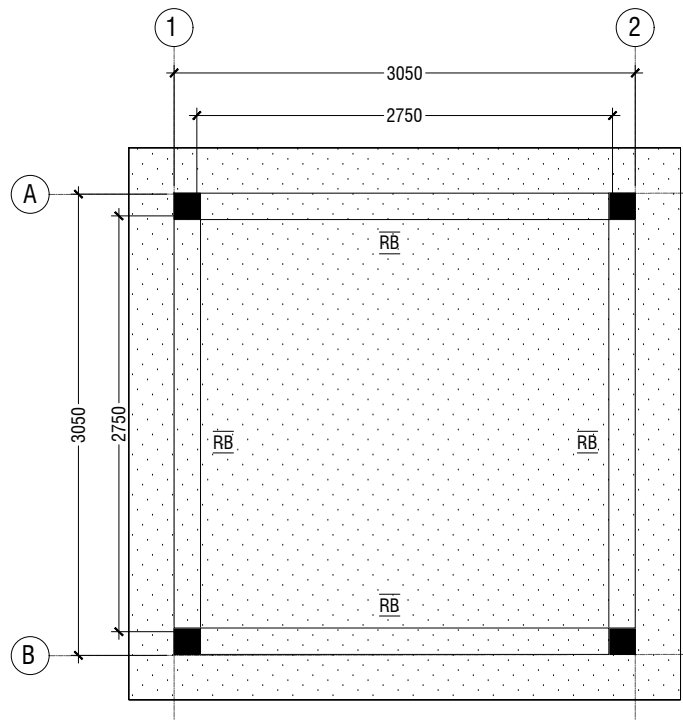
ALL FOOTINGS ARE TO BE LAID ON TOP OF 50mm THICK LEAN CONCRETE
 APPLY WATER PROOFING TO SUBSTRUCTURE (BELOW GROUND ELEMENTS)

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

FOUNDATION - PLAN
 SCALE 1:50



NOTE
 SLAB THICKNESS - 130 mm
 T10@175 C/C BW T&B

ROOF BEAM & SLAB PLAN
 SCALE 1:50

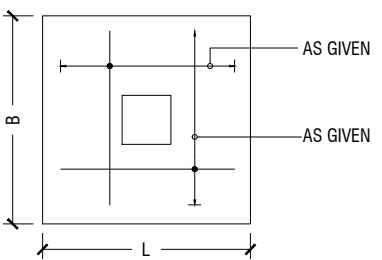
	DIMENSION (LxBxD)	REINFORCEMENT
F1	550 x 550 x 250	T10@150 C/C B/W (B)

FOUNDATION DEPTH = 750mm

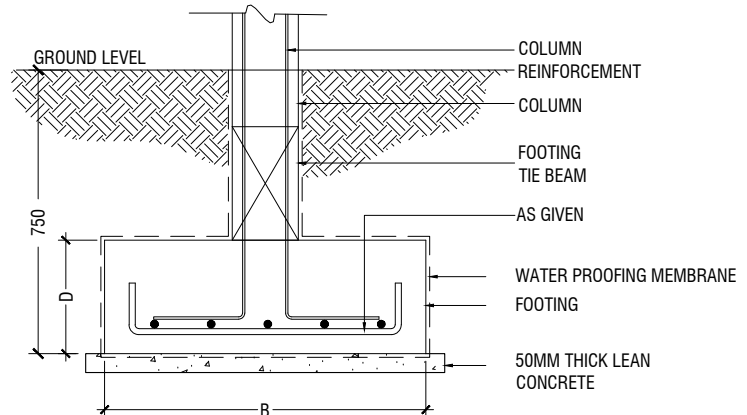
NOTE:-
 COVER TO FOUNDATION = 50mm
 COVER TO COLUMNS = 40mm
 COVER TO BEAMS = 35mm

GRADE OF CONCRETE M25

FOUNDATION PADS



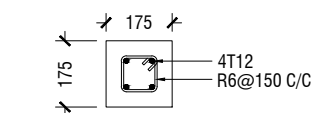
PLAN



SECTION

FOOTING DETAILS

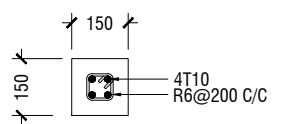
SCALE 1:20



C1

COLUMN DETAILS

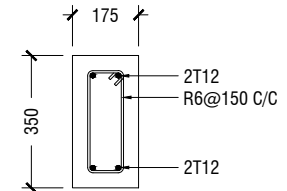
SCALE 1:20



LT1

LINTEL/SILL BEAM DETAIL

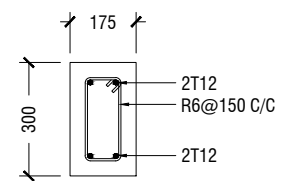
SCALE 1:20



RB

ROOF BEAM DETAIL

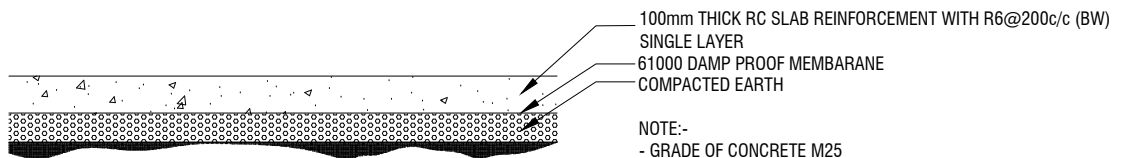
SCALE 1:20



TB

FOUNDATION DETAILS

SCALE 1:20



GROUND SLAB DETAIL

SCALE 1:20

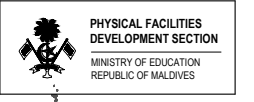
NOTE:-
 - GRADE OF CONCRETE M25
 - PROPER WATER PROOFING SHALL BE APPLIED TO ALL UNDERGROUND STRUCTURES (TO CONSULTANTS SPECIFICATIONS)
 -BACKFILLING SHALL BE DONE AS PER TECHNICAL SPECIFICATIONS

STRUCTURAL DETAILS

SCALE 1:20

SECURE ROOM

SCALE 1:50



PROJECT :
PROPOSED SAFE ROOM - TYPE 1

PROJ. REF: _____

SCALE : AS GIVEN

ARCHITECT : _____

ENGINEER : _____

DRAWN : _____

CHECKED : _____

DATE : 24.04.2024

AMMENDMENTS

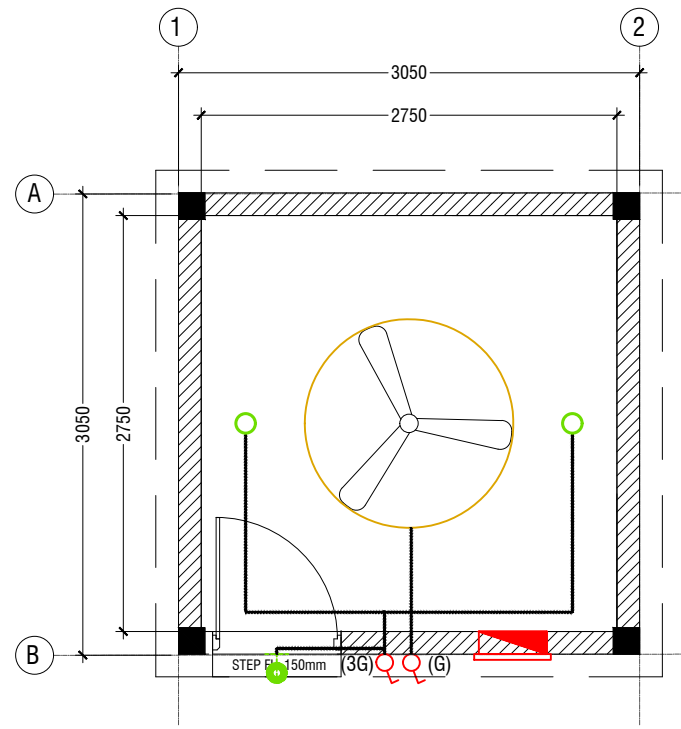
Issue	Date	Description



PHYSICAL FACILITIES DEVELOPMENT SECTION
MINISTRY OF EDUCATION, REPUBLIC OF MALDIVES

PROPOSED SAFEROOM - TYPE 1 (SINGLE STOREY)

SERVICES DRAWINGS

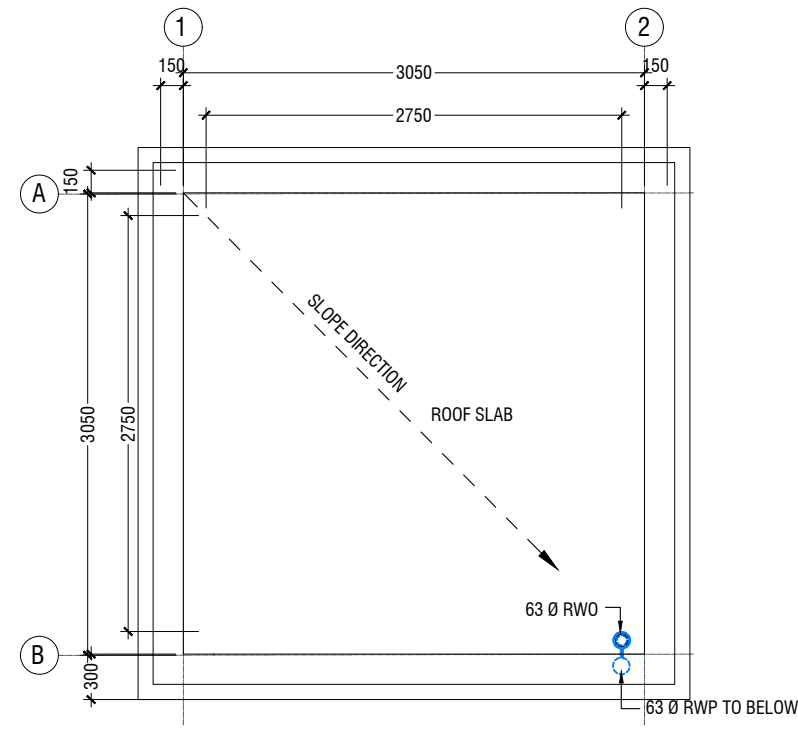


LEGEND

- LED CEILING DOWN LIGHT (18W)
- 40W (IP 65) OUT DOOR WALL LIGHT
- CEILING FAN (52" - 54")
- DISTRIBUTION BOX (WATERPROOF DB)
- 13A TWIN SOCKET OUTLET(waterproof cover)
- 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

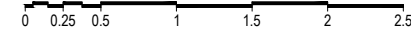
SECURE ROOM - LIGHTING & POWER LAYOUT

SCALE 1:50



SECURE ROOM - DRAINAGE LAYOUT

SCALE 1:50



PROJECT :
PROPOSED SAFE ROOM - TYPE 1

PROJ. REF: _____
SCALE: AS GIVEN

ARCHITECT: _____

ENGINEER: _____

DRAWN: _____

CHECKED: _____

DATE: 24.04.2024

AMMENDMENTS

Issue	Date	Description

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