

Preparation of Drawings for Gn.Fuvahmulah Campus  
(Security Block)  
(Single Storey)

*ARCHITECTURAL & STRUCTURAL DRAWINGS*

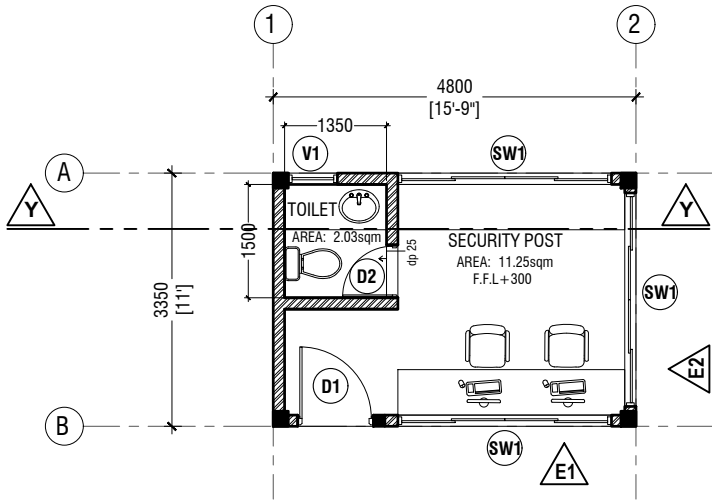
Client: The Maldives National University



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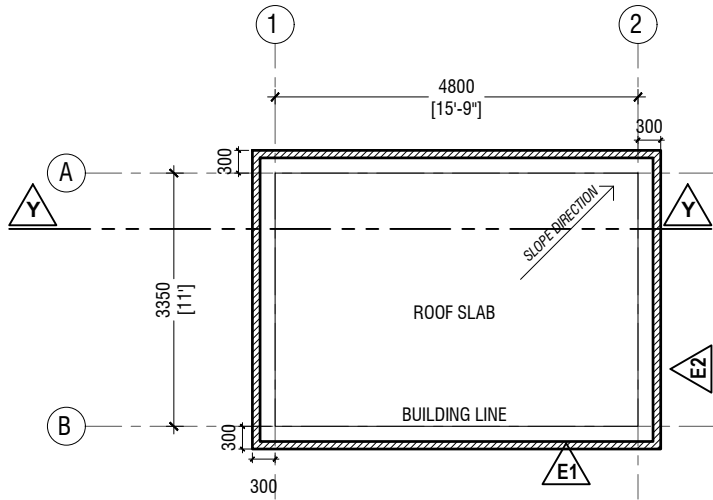
t : +9603315049 f : +9603310776  
e : info@riyan.com.mv  
w : www.riyan.com.mv  
3rd floor, H. Azum, Ameenemogu, Male'

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## GROUND FLOOR PLAN

SCALE 1:100



## ROOF SLAB PLAN

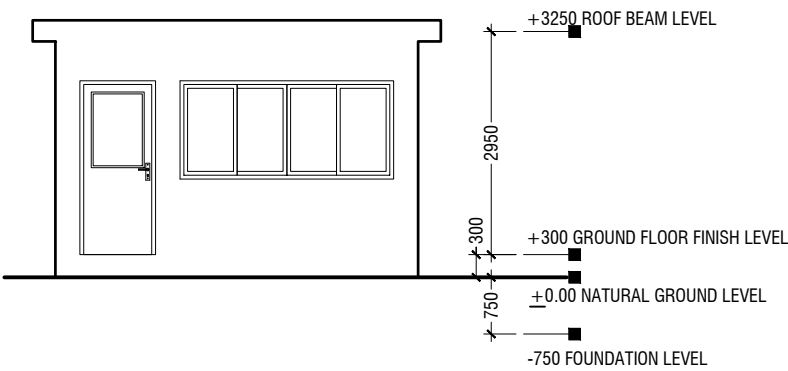
SCALE 1:100



### NOTE:

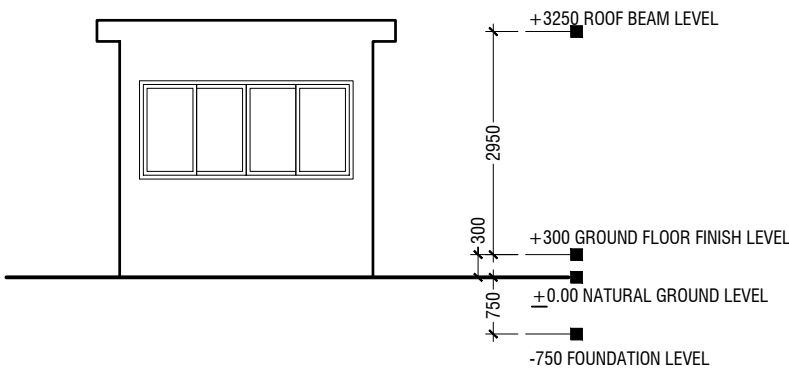
PROPOSED 150mm THICK SOLID BLOCK - EXTERIOR MASONRY WALL WITH 20mm PLASTERING, INTERIOR MASONRY WALL WITH 16mm PLASTERING, GROUND SMOOTH IN SELECTED PAINT FINISH

PROPOSED 100mm THICK, 150mm HIGH RC WALL WITH 20mm PLASTERING ON BOTH SIDES, GROUND SMOOTH IN SELECTED PAINT FINISH



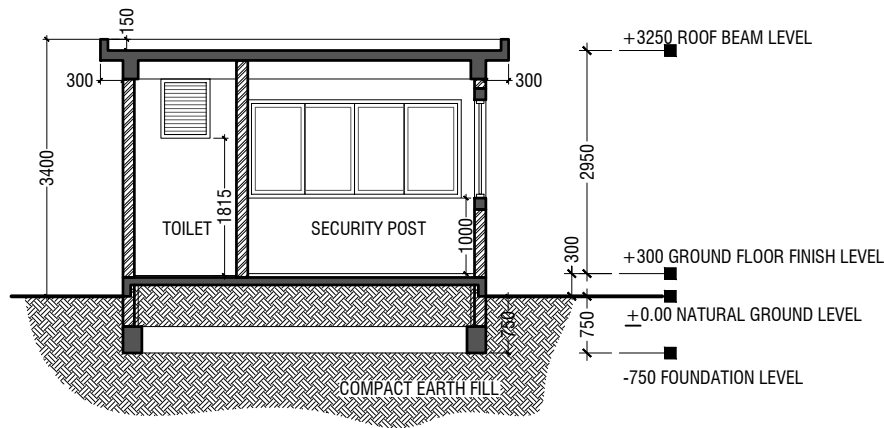
## ELEVATION - E1

SCALE 1:100



## ELEVATION - E2

SCALE 1:100



## SECTION Y-Y

SCALE 1:100



### GENERAL NOTES

### REVISIONS

REV.NO	REV.DATE	REV.DESCRPTION	REV.BY	CHK.BY
REV.NO	REV.DATE	REV.DESCRPTION	REV.BY	CHK.BY

### CONSULTANTS

LEAD CONSULTANT

### LANDSCAPE DESIGN

### REGISTERED LOCAL CONSULTANT



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PROJECT NO.	R21323MNU
ARCHITECT	Mariyam Irasha Shareef
CIVIL ENGINEER	Zainal Abidheen
MEP ENGINEER	-
INT. DESIGNER	-
INFRA. DESIGNER	-
DRAWN BY	Mariyam Leevan Jaleel
CHECKED BY	Zunabath Abdul Majid
APPROVED BY	-

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DEVELOPER -

ATOLL **Gnaviyani Atoll (GN.)**

ISLAND **Gn. Fuvahmulah**

LAGOON (GPS COORDINATES) -

ISSUED FOR

DDD\_DETAIL\_DESIGN

BUILDING NAME

SECURITY POST

ISSUE DATE 22/02/2023

DRAWING TITLES

-

-

-

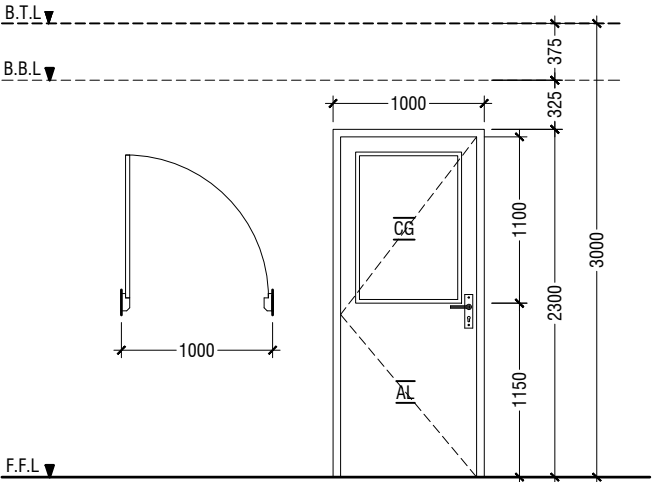
SHEET SIZE A3

SCALE 1:100

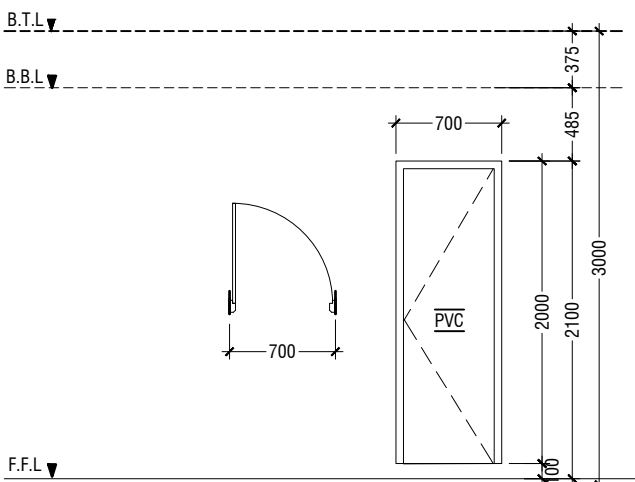
SHEET NO.

A101

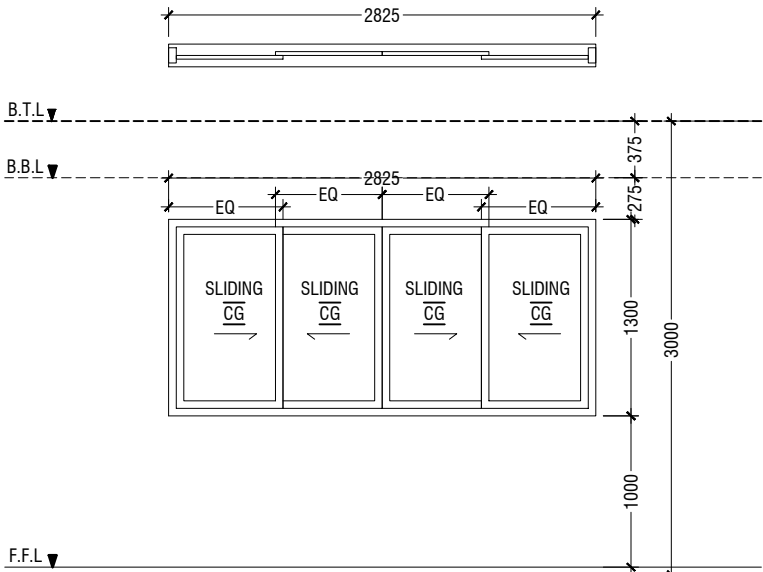
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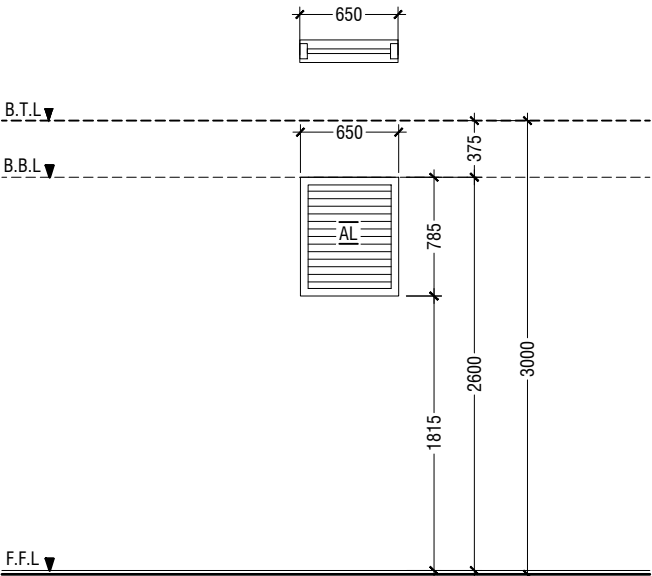
D1	SWING DOOR
REMARKS	50mm THICK POWDER COATED (60 MICRONS) ALUMINUM FRAMED WITH ALUMINIUM PANEL AND CLEAR GLASS
LOCATION	SECURITY POST
QUANTITY	01 NOS
OPEN AREA	2.03 sqm



D2	PVC SWING DOOR
REMARKS	PVC WHITE FRAME AND PANEL
LOCATION	TOILET
QUANTITY	01 NOS
OPEN AREA	1.17 SQM



SW1	SLIDING WINDOW
REMARKS	50mm THICK POWDER COATED (60 MICRONS) ALUMINUM FRAMED WITH ALUMINIUM PANEL AND CLEAR GLASS
LOCATION	SECURITY POST
QUANTITY	03 NOS
OPEN AREA	1.58 sqm



V1	WINDOW WITH ALUMINUM LOUVERS
REMARKS	50mm THICK WHITE POWDER COATED (60 MICRONS) ALUMINUM FRAMED WITH ALUMINUM LOUVERS
LOCATION	TOILET
QUANTITY	01 NOS
OPEN AREA	0.38 SQM

SCHEDULE OF VENTILATION					
Room name/ Number	Room Areas (sqm) ( Specify centre to centre or clear)	Window (opening number	Required opening areas (sqm)	Designed opening areas (sqm)	Open %
<b>Ground Floor</b>					
1 Security Post	11.25	SW1*3	1.13	4.74	42.13%
2 Toilet		Mechanical Ventilation			

## VENTILATION SCHEDULE

NOT TO SCALE

LEGEND:  
CG - CLEAR GLASS  
RG - REFLECTED GLASS  
AL - ALUMINIUM  
PVC - POLYVINYL CHLORIDE

NOTE:-  
1. FLOOR TO FLOOR HEIGHT VARIES AND WILL BE SUBJECTED TO CHANGES  
2. MAINTAIN FLOOR TO WINDOW SILL STANDARD HEIGHT REGULATION OF 1M.  
3. REFER TO ARCHITECT FOR FURTHER ASSISTANCE.  
4. ALL DOORS & WINDOWS TO BE CHECKED ON SITE BEFORE FABRICATION.  
5. ALL DOOR & WINDOWS VIEWED FROM EXTERIOR, FOR DOOR SWING, REFER TO FLOOR PLANS.  
6. THE DOORS / WINDOWS WHICH DO NOT TOUCH THE BEAM SHALL HAVE A LINTEL BEAM (LB) ABOVE THE DOOR / WINDOW.  
7. FOR ALL THE WINDOWS PUT A SILL BEAM BELOW THE WINDOW (SB)  
8. FOR SAFETY PURPOSES REFER TO TECHNICAL SPECIFICATIONS FOR GLASS THICKNESS.

## DOOR & WINDOW SCHEDULE - 1

SCALE 1:50  
0 0.25 0.5 1 1.5 2 2.5



### GENERAL NOTES

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MEP ENGINEER	-
INT. DESIGNER	-
INFRA. DESIGNER	-
DRAWN BY	Mariyam Leevan Jaleel
CHECKED BY	Zunabath Abdul Majid
APPROVED BY	-

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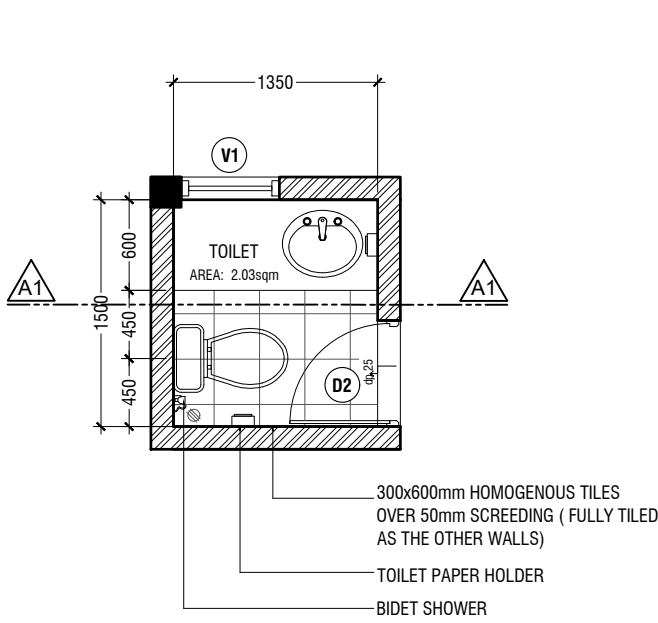
SHEET SIZE A3

SCALE 1:50

SHEET NO.

A102

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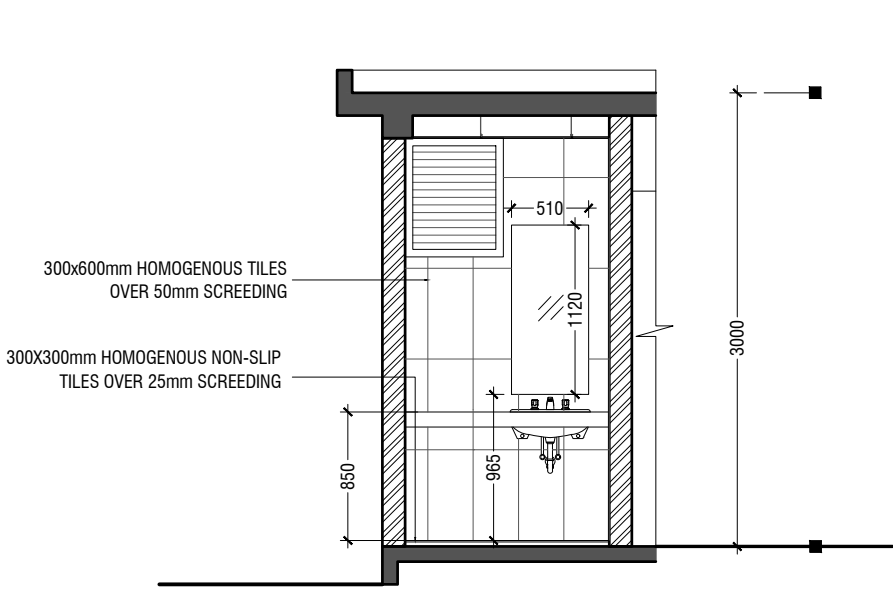


## PLAN

SCALE 1:50

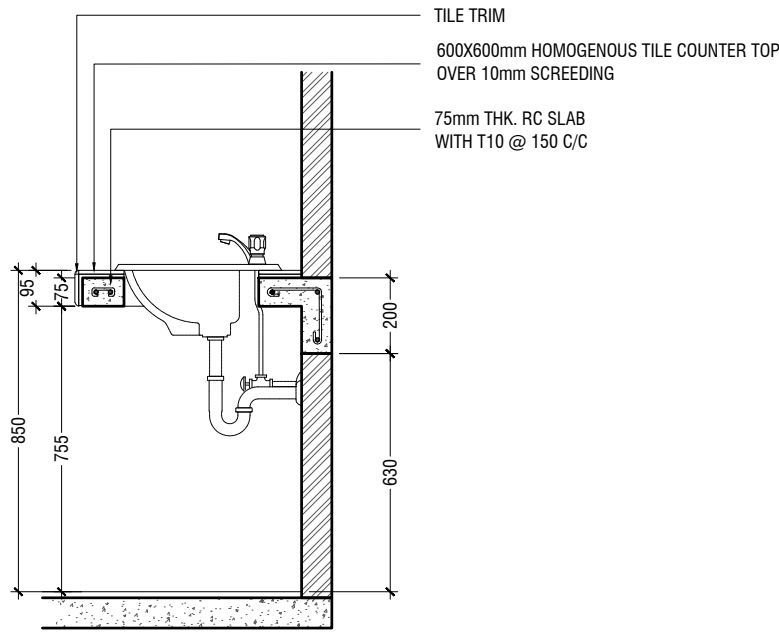
## TOILET DETAILS

SCALE 1:50



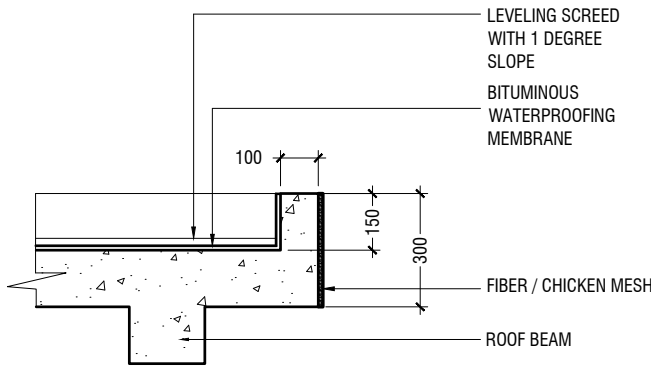
## SECTION A-A

SCALE 1:50



## COUNTER TOP DETAILS

SCALE 1:20

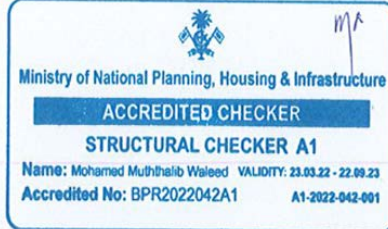


## ROOF SLAB DETAIL

SCALE 1:50

## ARCHITECTURAL DETAILS

SCALE 1:50



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ARCHITECT	Mariyam Irasha Shareef
CIVIL ENGINEER	Zainal Abidheen
MEP ENGINEER	-
INT. DESIGNER	-
INFRA. DESIGNER	-
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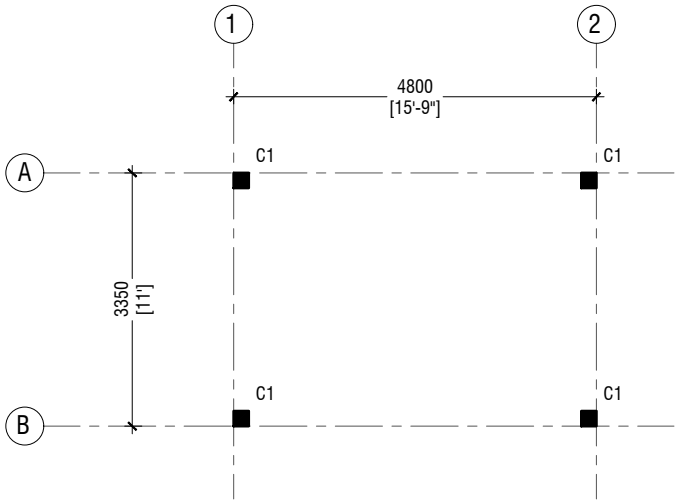
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SHEET SIZE A3 SCALE 1:50

SHEET NO.

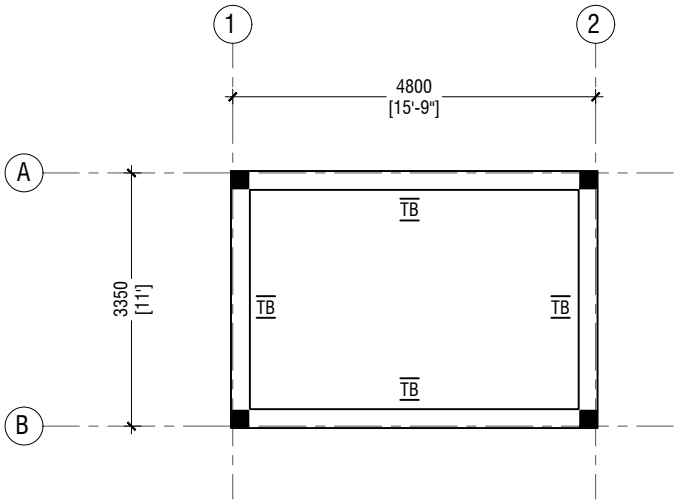
A103

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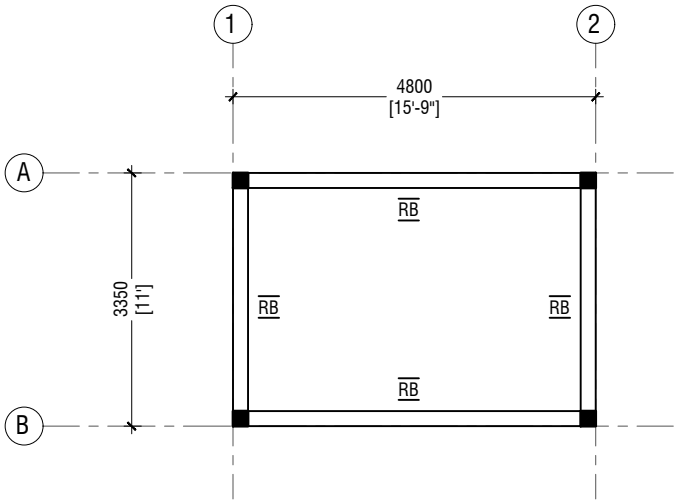
### COLUMN LAYOUT PLAN

SCALE 1:100



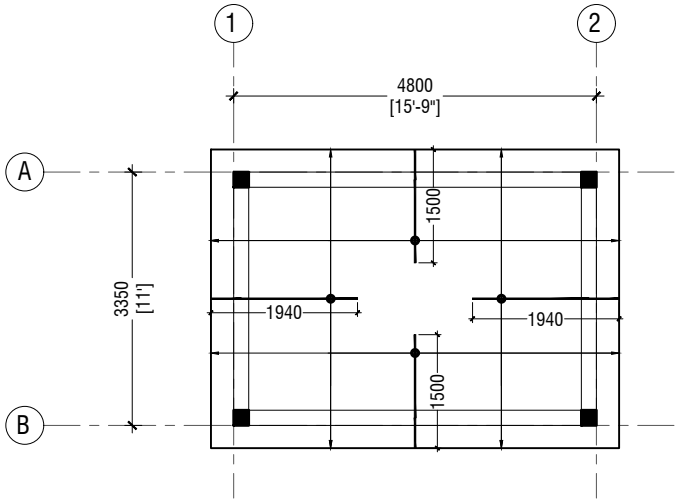
### FOUNDATION PLAN

SCALE 1:100



### ROOF BEAM PLAN

SCALE 1:100



### ROOF SLAB PLAN

SCALE 1:100



### STRUCTURAL DETAILS

SCALE 1:100



#### NOTE:

#### COLUMN SIZES

C1 : 200x200 mm  
SC : 150x150 mm  
COVER : 40mm

FOUNDATION DEPTH : 750mm BELOW GROUND LEVEL

APPLY WATER PROOFING TO SUBSTRUCTURE  
(BELOW GROUND ELEMENTS)

#### BEAM SIZES

RB : 200x375 mm  
COVER : 35mm

#### TIE BEAM SIZES

TB : 250x350 mm  
COVER : 50mm

GROUND SLAB : 100MM THICK CONCRETE SLAB,  
T10@ 200 C/G BW SINGLE LAYER

ROOF SLAB : 130MM THICK CONCRETE SLAB,  
T10@ 200 C/G BW T&BR

GRADE OF CONCRETE M25

#### GENERAL NOTES

#### REVISIONS

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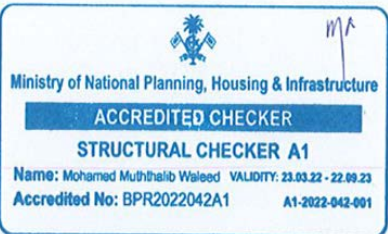
SHEET SIZE A3

SCALE 1:100

SHEET NO.

S101

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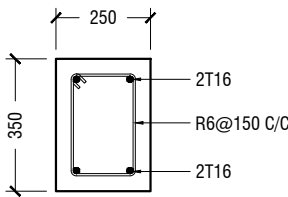


FOUNDATION DEPTH = 750mm

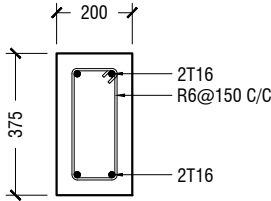
NOTE:-  
COVER TO FOUNDATION = 50mm  
COVER TO COLUMNS = 40mm  
COVER TO BEAMS = 35mm

GRADE OF CONCRETE M25

FOUNDATION PADS

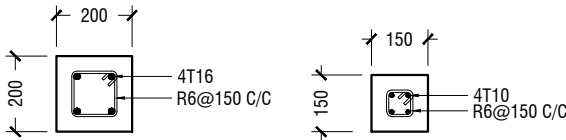
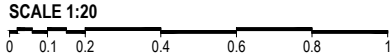


TB



RB

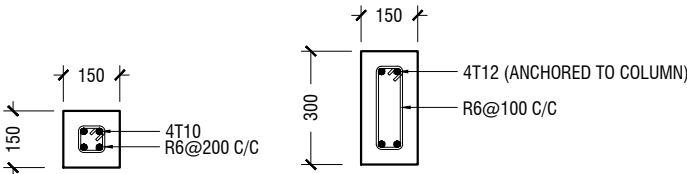
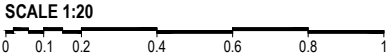
FOUNDATION DETAILS



C1

SC

ROOF BEAM DETAIL

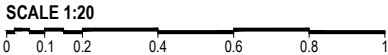


LB1

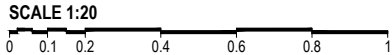
LB2

LINTELS OVER ALL DOORS, WINDOWS  
(THAT DOES NOT RISE TO ROOF BEAM LEVEL)  
LB2 FOR WINDOW (W2) ONLY

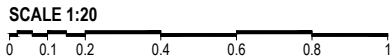
LINTEL/SILL BEAM DETAIL



COLUMN DETAILS



STRUCTURAL DETAILS



GENERAL NOTES

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SHEET SIZE A3

SCALE 1:20

SHEET NO.

S102

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