

Proposed Multipurpose Hall Building at  
V.Keyodhoo School

*ARCHITECTURAL & STRUCTURAL DRAWINGS*

Client: Ministry of Education

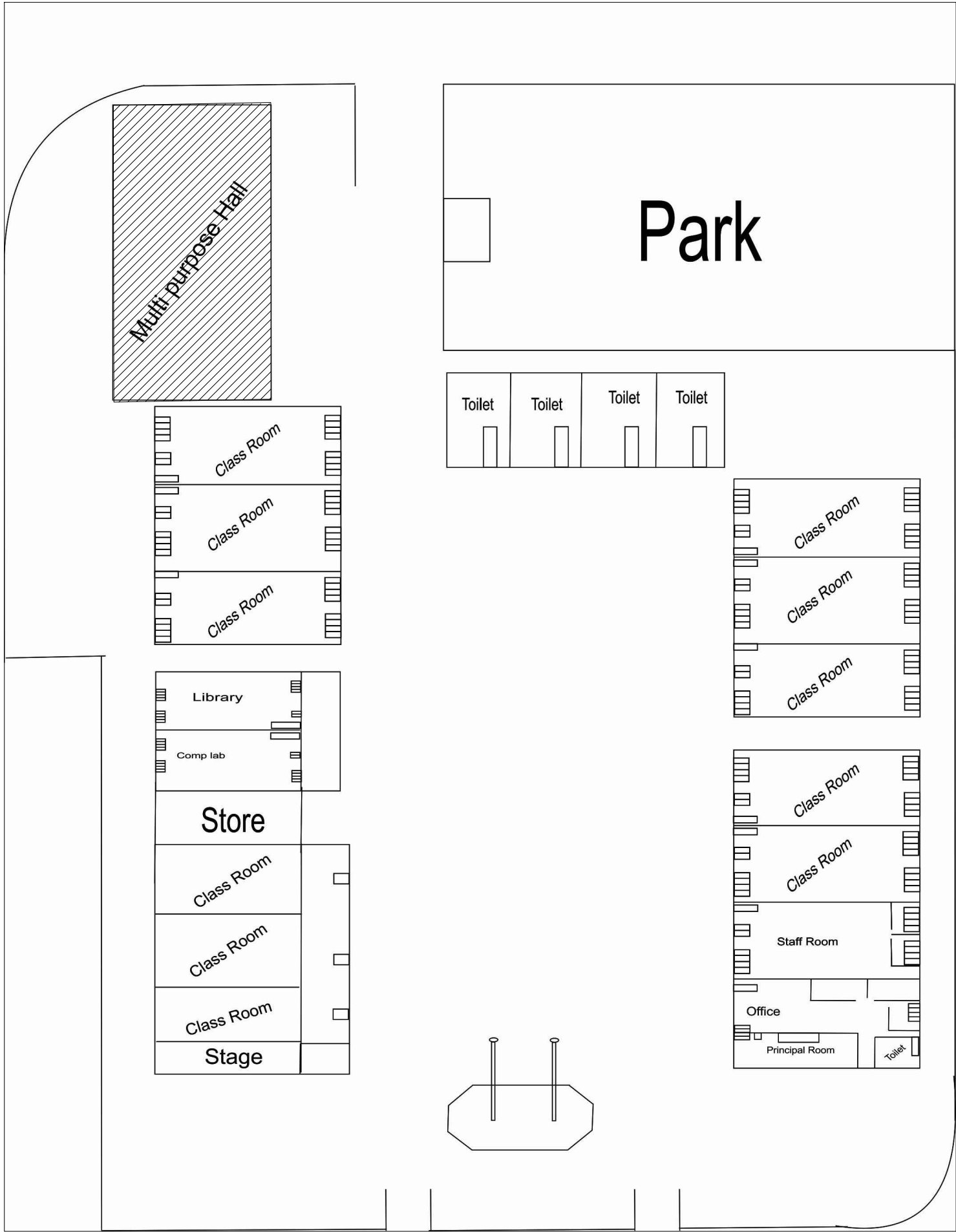


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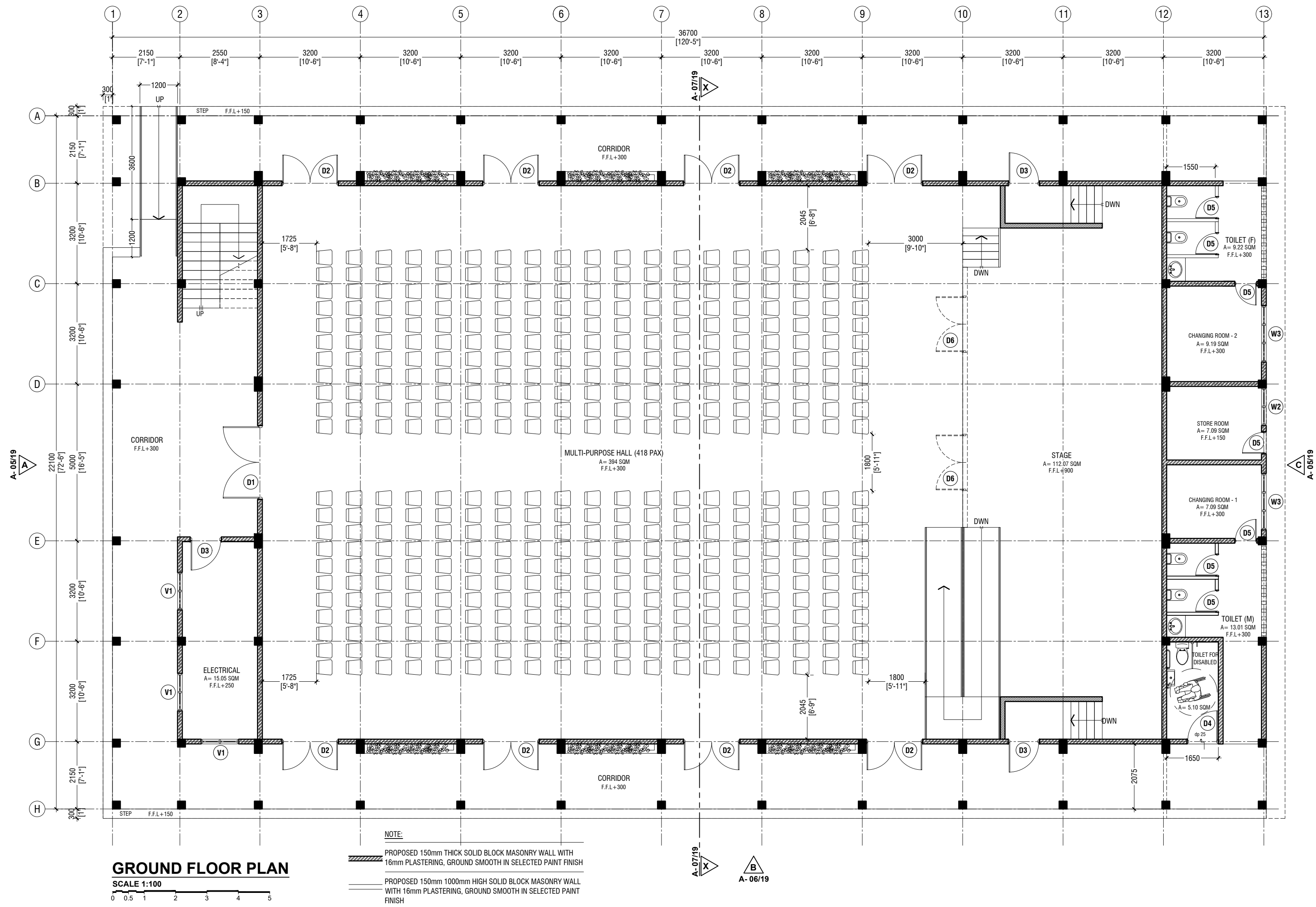
t: +9603315049 f: +9603310776  
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3rd floor, H. Azum, Ammeenemogu, Male'

TABLE OF CONTENTS

DRAWING No.	TITLE	REVISION No.	DATE	REMARKS
A R C H I T E C T U R A L		01	11 June 2019	---
A - 01 / 19	GROUND FLOOR PLAN	---	---	---
A - 02 / 19	FIRST FLOOR PLAN	---	---	---
A - 03 / 19	ROOF PLAN - 1	---	---	---
A - 04 / 19	ROOF PLAN - 2	---	---	---
A - 05 / 19	ELEVATION A & C	---	---	---
A - 06 / 19	ELEVATION B	---	---	---
A - 07 / 19	SECTION X-X	---	---	---
A - 08 / 19	DOOR & WINDOW SCHEDULE - 1	---	---	---
A - 09 / 19	DOOR & WINDOW SCHEDULE - 2 & VENTILATION SCHEDULE	---	---	---
A - 10 / 19	GROUND FLOOR REFLECTED CEILING PLAN	---	---	---
A - 11 / 19	FIRST FLOOR REFLECTED CEILING PLAN	---	---	---
A - 12 / 19	GROUND FLOOR FLOOR FINISHES PLAN	---	---	---
A - 13 / 19	FIRST FLOOR FLOOR FINISHES PLAN	---	---	---
A - 14 / 19	PLANTER BOX DETAILS	---	---	---
A - 15 / 19	RC FINS DETAILS	---	---	---
A - 16 / 19	TOILET DETAILS	---	---	---
A - 17 / 19	MAIN STAIRCASE DETAILS	---	---	---
A - 18 / 19	RAMP DETAILS	---	---	---
A - 19 / 19	STAGE DETAILS	---	---	---
S T R U C T U R A L		01	11 June 2019	---
S - 01 / 11	GROUND FLOOR COLUMN LAYOUT PLAN	---	---	---
S - 02 / 11	FIRST FLOOR COLUMN LAYOUT PLAN	---	---	---
S - 03 / 11	FOUNDATION PLAN	---	---	---
S - 04 / 11	FIRST FLOOR BEAM PLAN	---	---	---
S - 05 / 11	FIRST FLOOR SLAB REINFORCEMENT PLAN	---	---	---
S - 06 / 11	LOWER ROOF FRAMING PLAN	---	---	---
S - 07 / 11	ROOF BEAM LEVEL - 1 AND SLAB REINFORCEMENT PLAN (+7300)	---	---	---
S - 08 / 11	ROOF BEAM LEVEL - 2 PLAN (+8200)	---	---	---
S - 09 / 11	ROOF TRUSS AND FRAMING PLAN	---	---	---
S - 10 / 11	ROOF TRUSS DETAILS	---	---	---
S - 11 / 11	STRUCTURAL DETAILS	---	---	---



**SITE PLAN**



V Keyedhoo School Hall  
Client: Ministry of Education

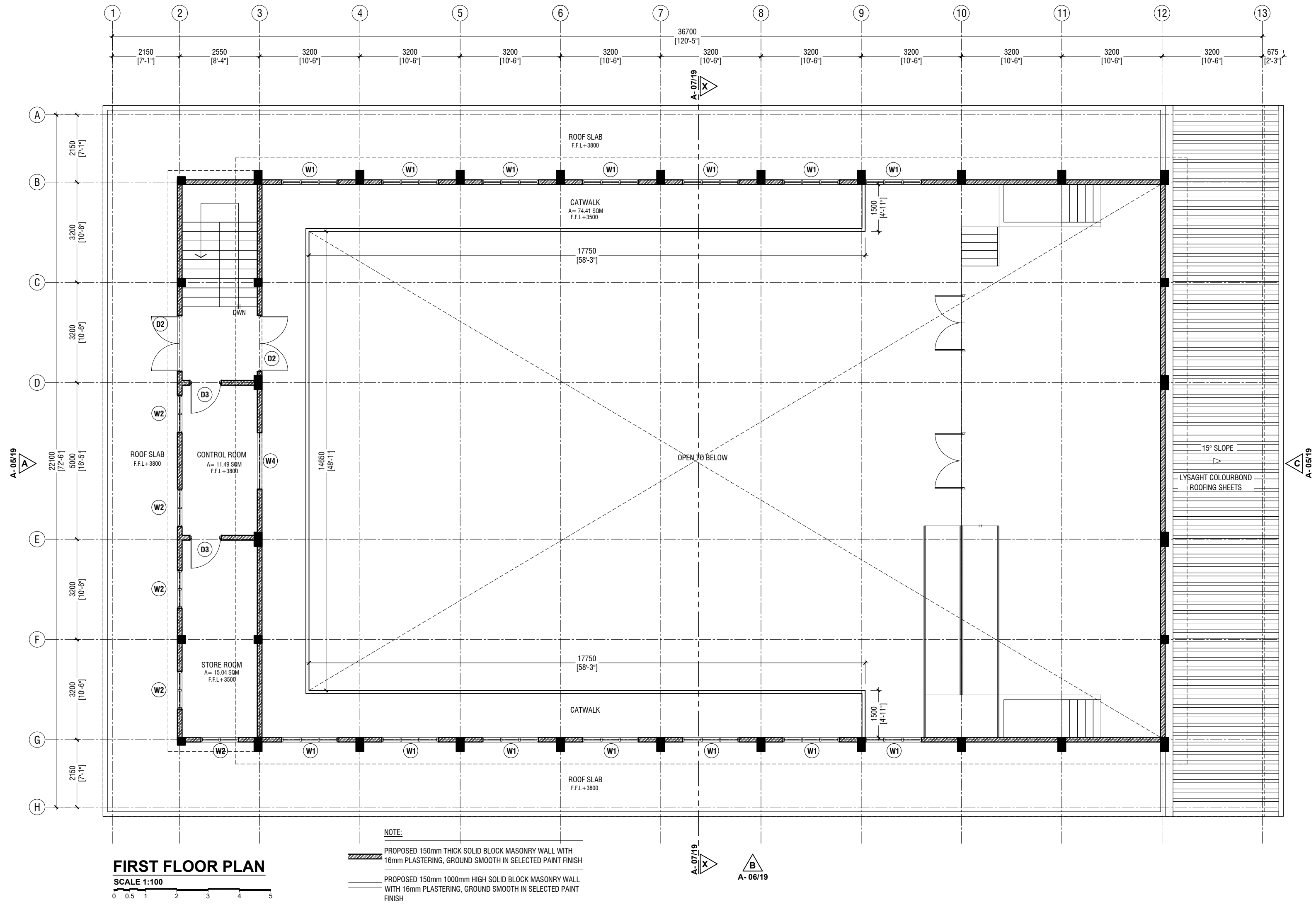
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02	01 July 2019
03	01 July 2019
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99	01 July 2019
100	01 July 2019

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 3rd floor, H. Azum, Ameeremogga, Male'

Title: Ground Floor Plan

Page: A-01/19

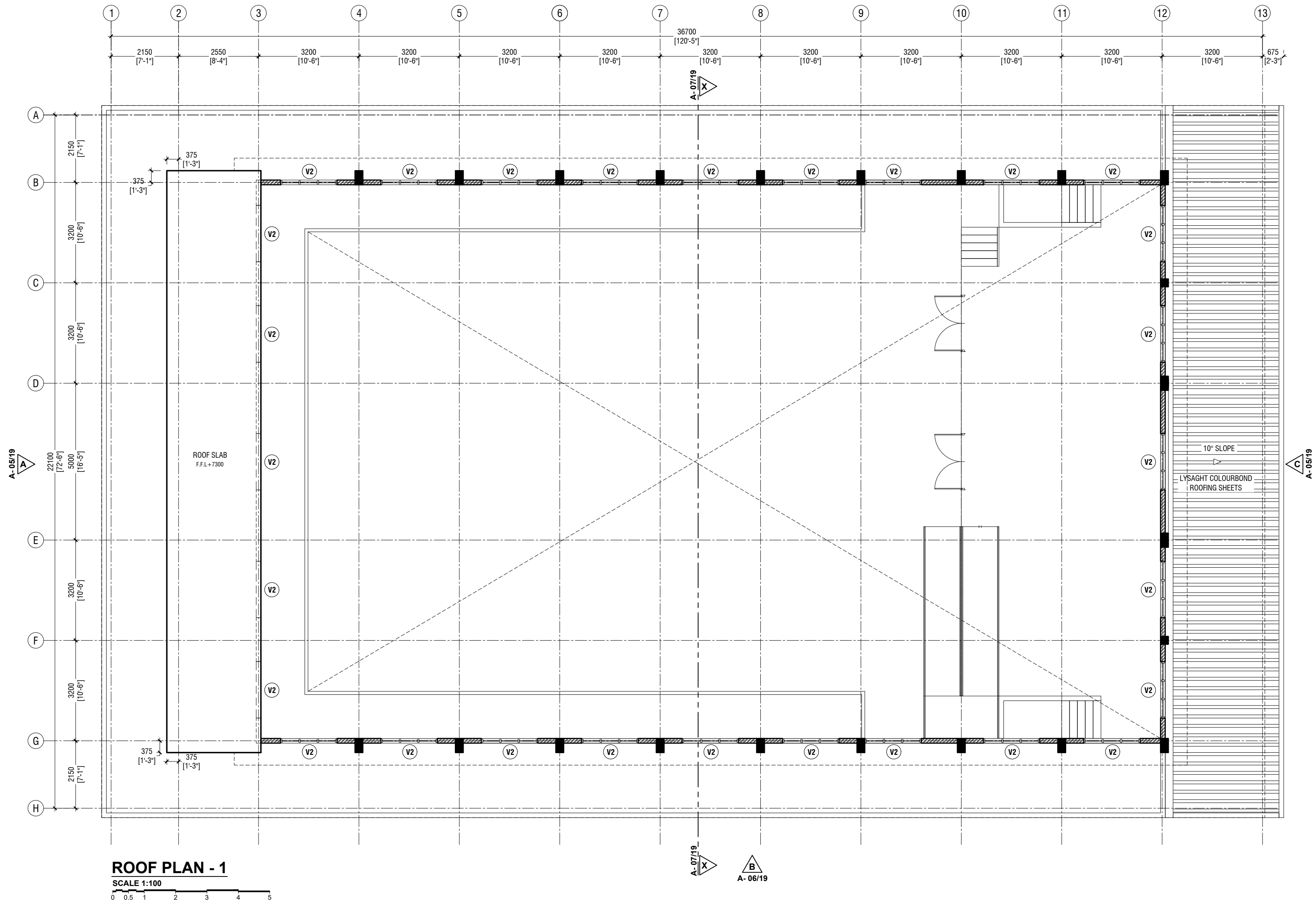
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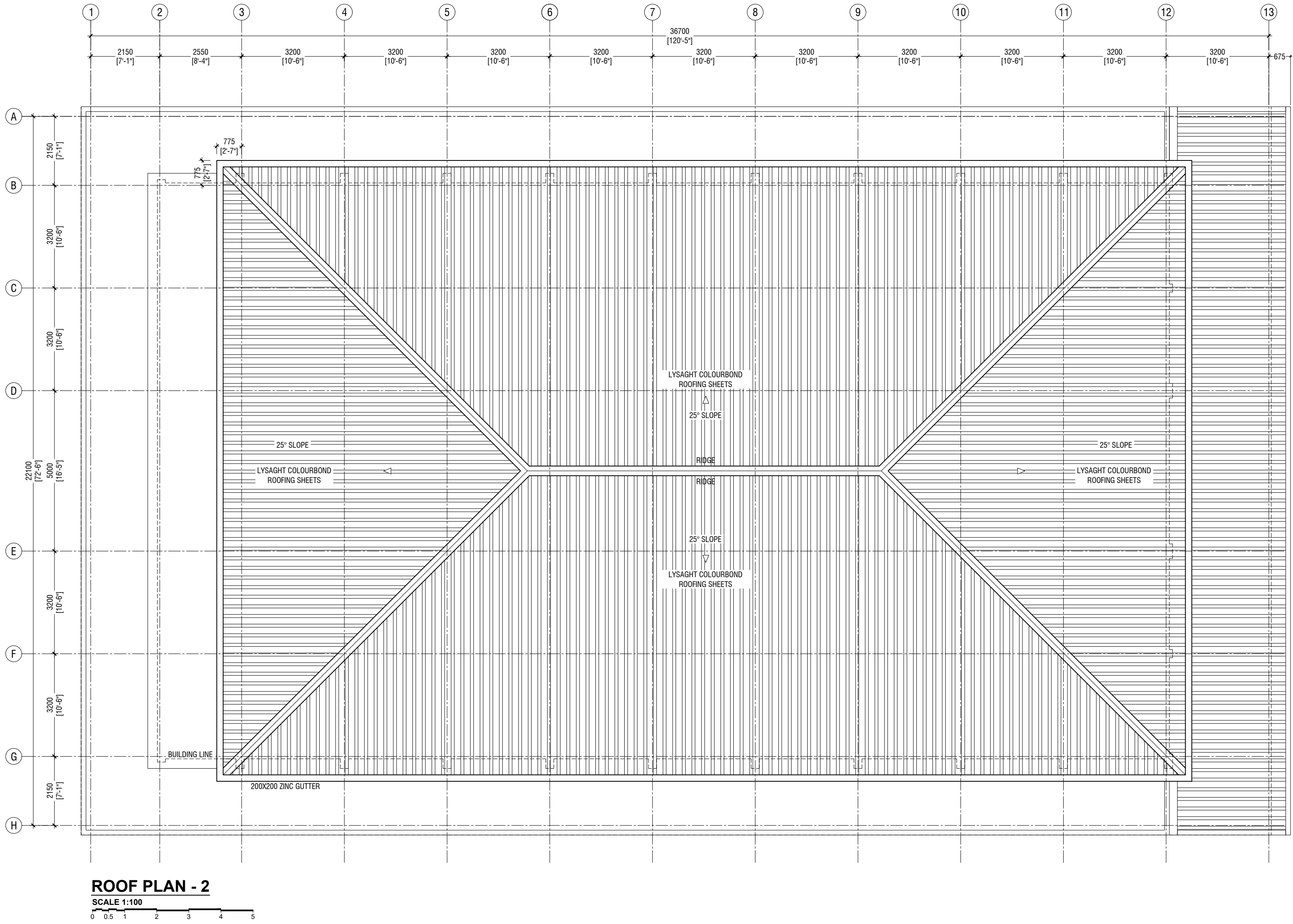


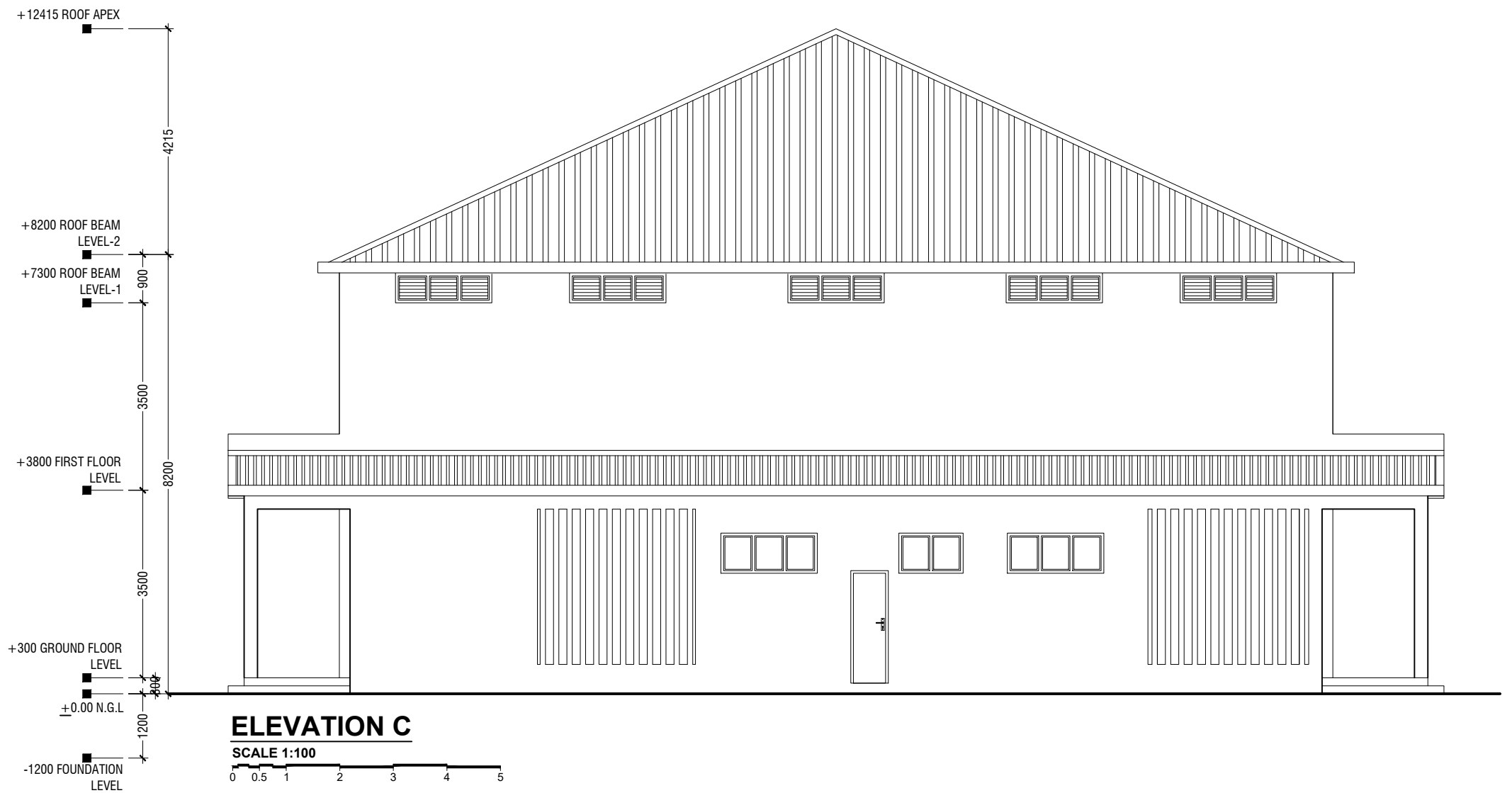
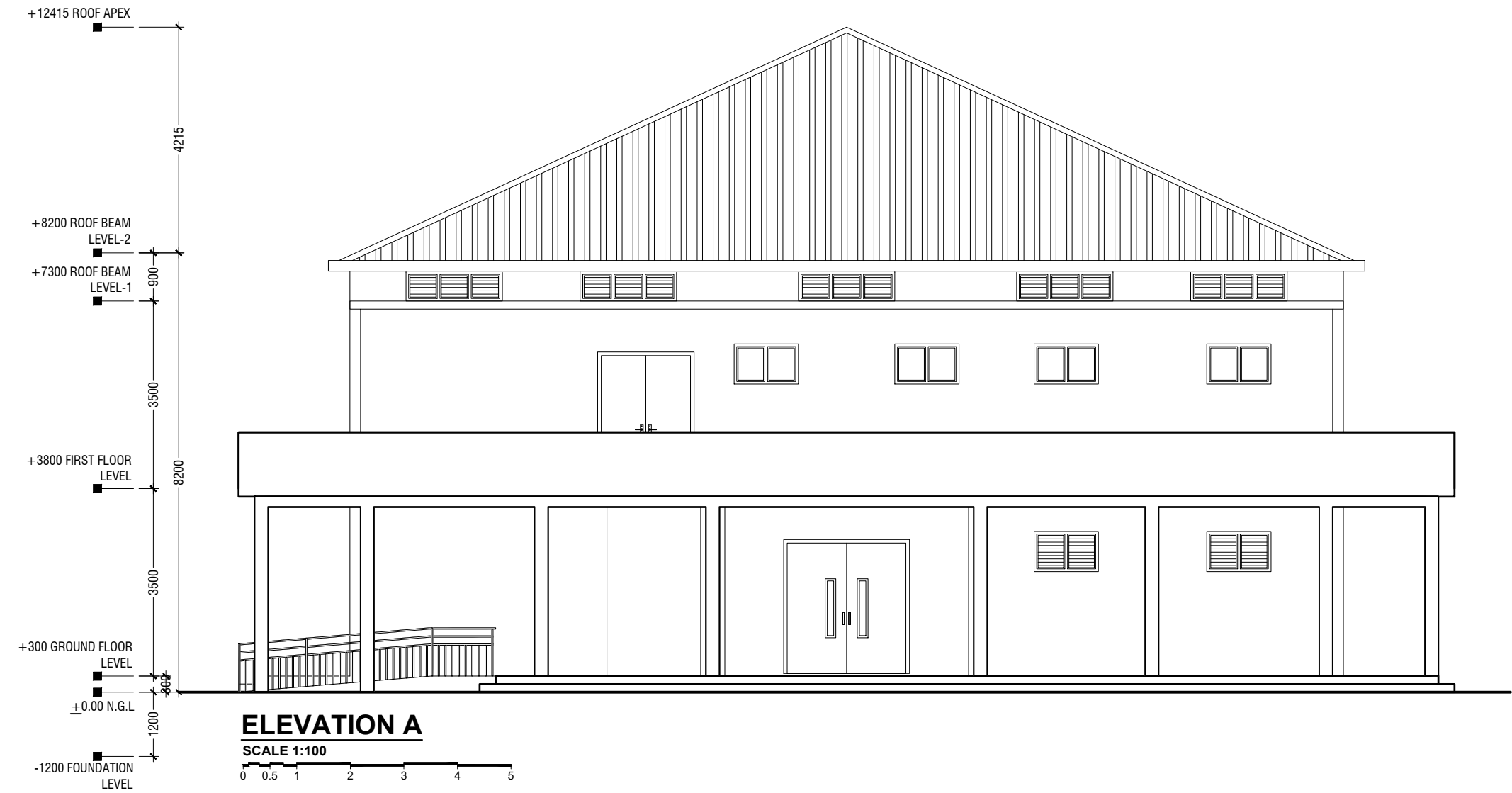
V Keyedhoo School Hall  
Client: Ministry of Education

Project Number: RI/2017/012  
Architect: Razana Amir  
Engineer: Ahmed Z. J. Al-Zahrani  
Drawn by: Razana Amir  
Services: Al-Fatih Al-Fatih  
Interior

Rev no	Date
01	11 June 2019







V Keyodhoo School Hall  
Client: Ministry of Education

Project Number	Rev no	Date
RI/2017/012	01	11 June 2019
Architect : Razana Amir	--	-----
Engineer : Ahmed Z. Jhal Zaeem	--	-----
Drawn by : Razana Amir	--	-----
Services : Alifathi Ahmed	--	-----
Interior :	--	-----



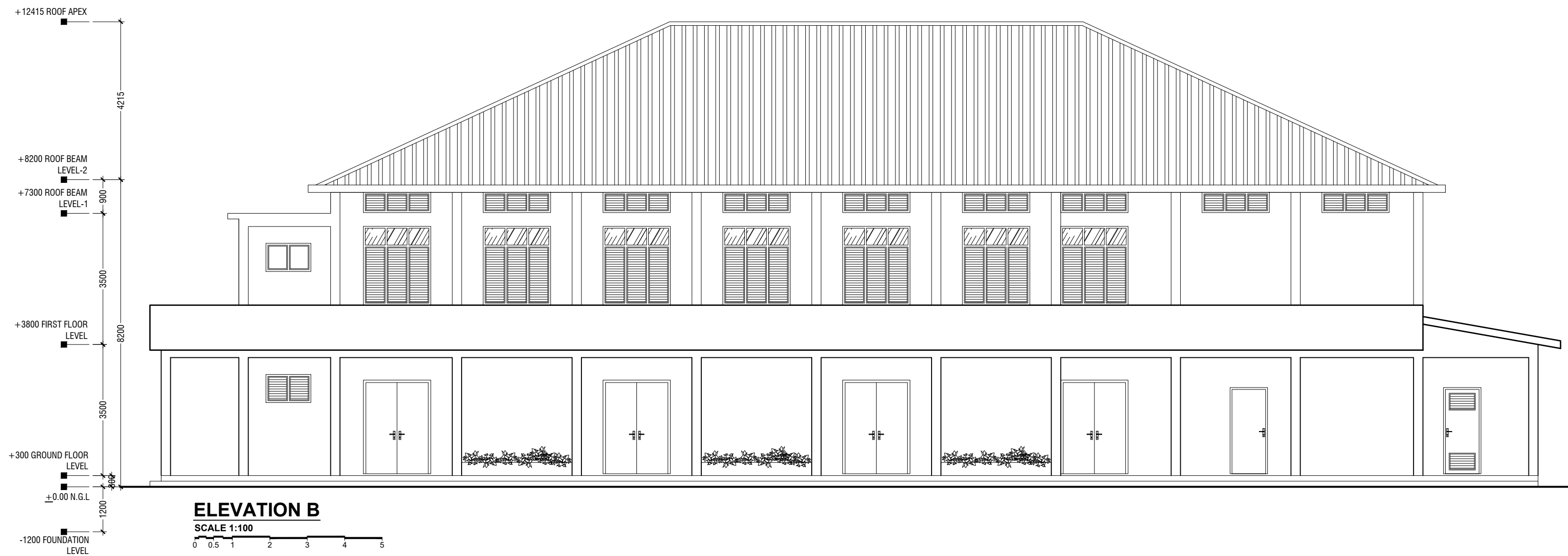
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3rd floor, H. Azumi, Ameeremogga, Male'

Title: Elevation A & C

Page: A-05/19

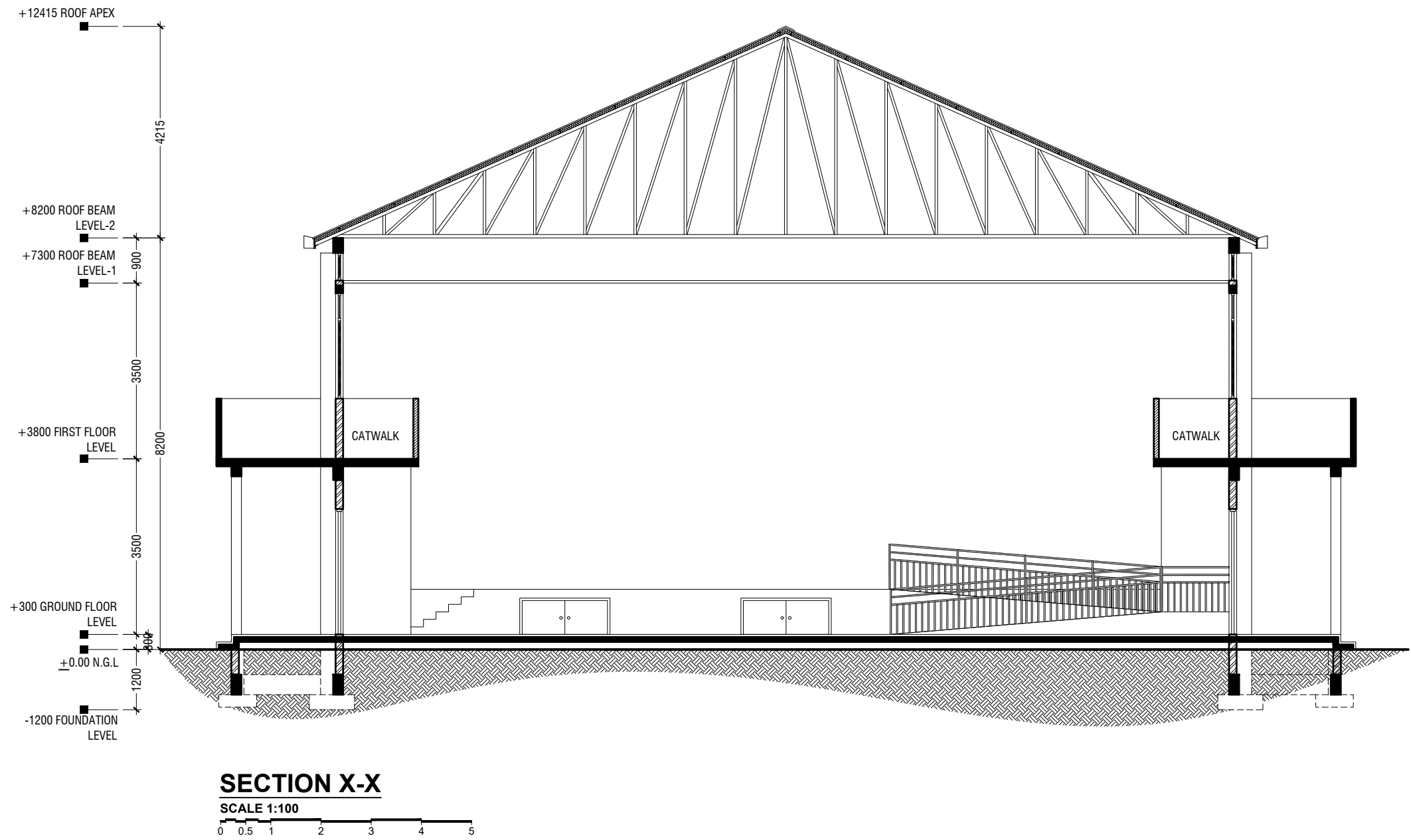
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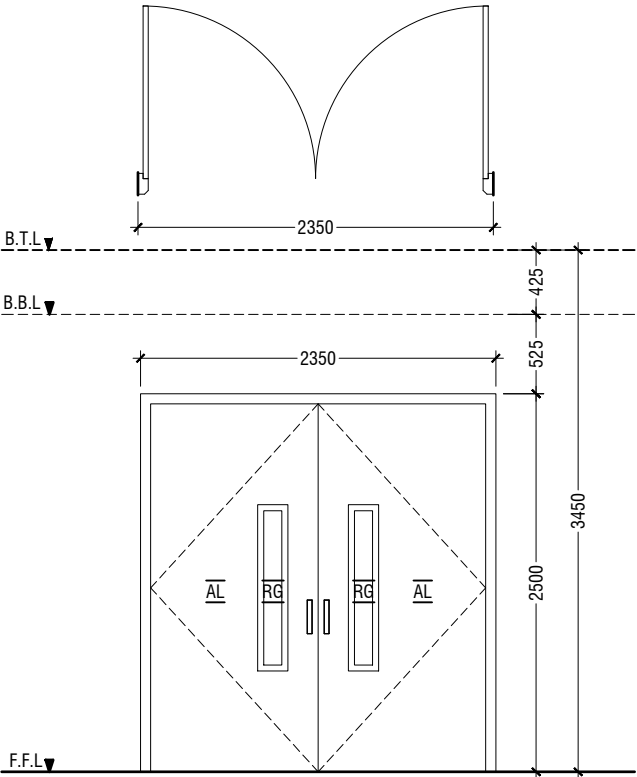




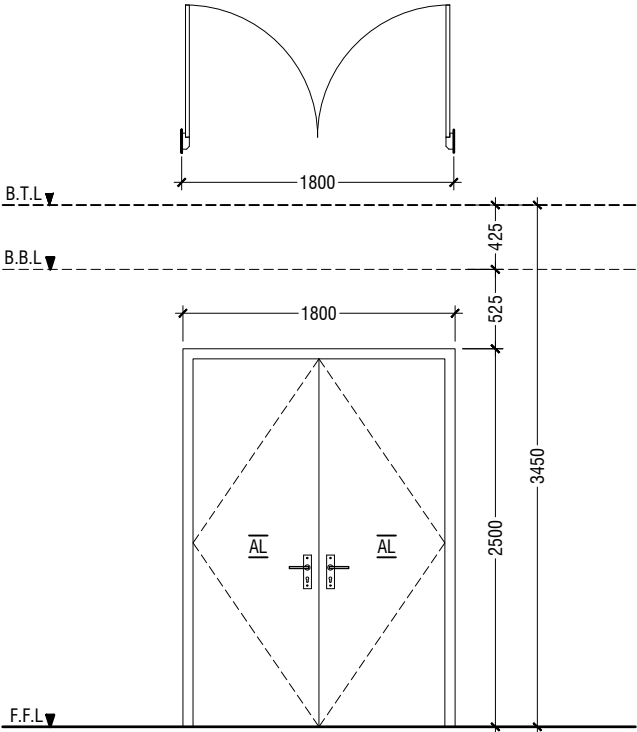
V Keyodhoo School Hall  
Client: Ministry of Education

Project Number	Rev no	Date
RI/2017/002	01	11 June 2019
Architect : Razana Amir	--	-----
Engineer : Ahmed Z. J. Jalil Zaeem	--	-----
Drawn by : Razana Amir	--	-----
Services : Alifathi Ahmed	--	-----
Inspector :	--	-----

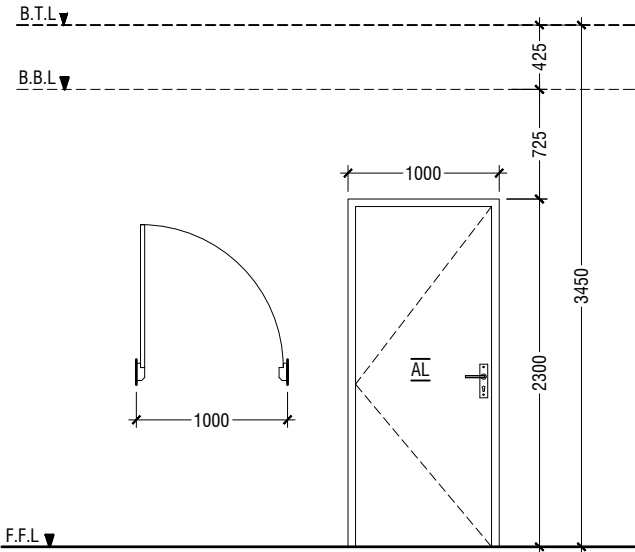




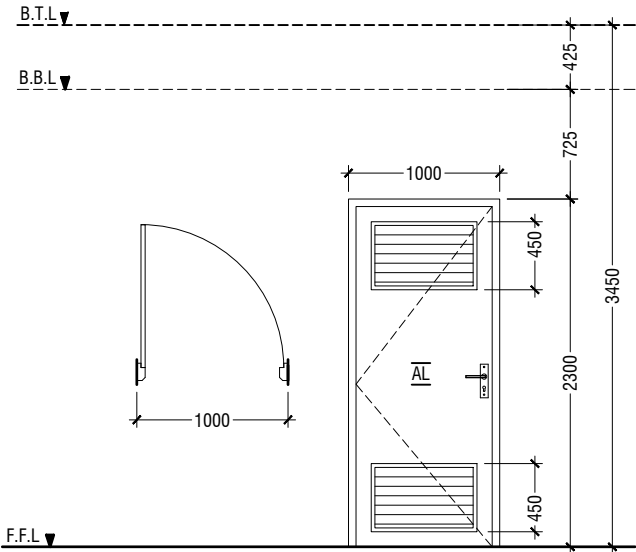
D1	DOUBLE SWING DOOR
REMARKS	50mm THICK WHITE POWDER COATED (60 MICRONS) ALUMINUM FRAMED WITH ALUMINIUM PANEL GLASS ON PANEL : 6mm THK REFLECTIVE GLASS
LOCATION	HALL MAIN ENTRANCE
QUANTITY	01 NOS
OPEN AREA	5.39 sqm



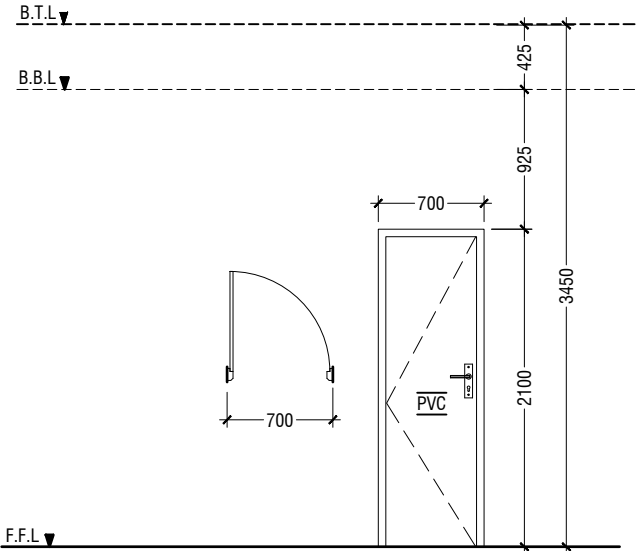
D2	DOUBLE SWING DOOR
REMARKS	50mm THICK WHITE POWDER COATED (60 MICRONS) ALUMINUM FRAMED WITH ALUMINIUM PANEL
LOCATION	HALL ENTRANCE
QUANTITY	10 NOS
OPEN AREA	4.05 sqm



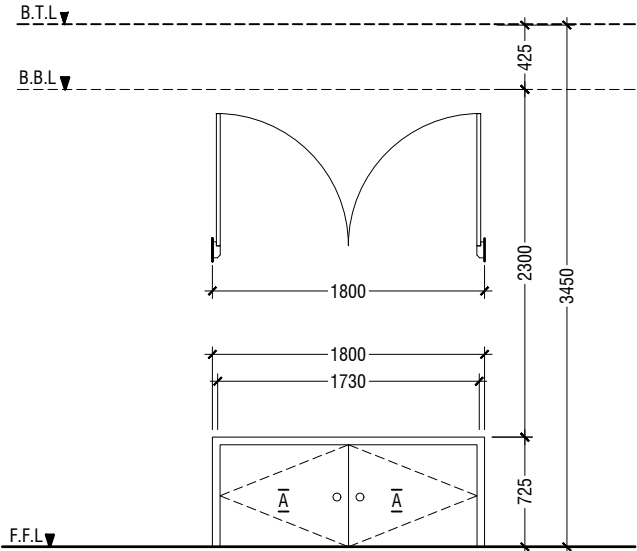
D3	SWING DOOR
REMARKS	50mm THICK WHITE POWDER COATED (60 MICRONS) ALUMINUM FRAMED WITH ALUMINIUM PANEL
LOCATION	STAGE, CONTROL ROOM & STORE ROOM
QUANTITY	05 NOS
OPEN AREA	2.03 sqm



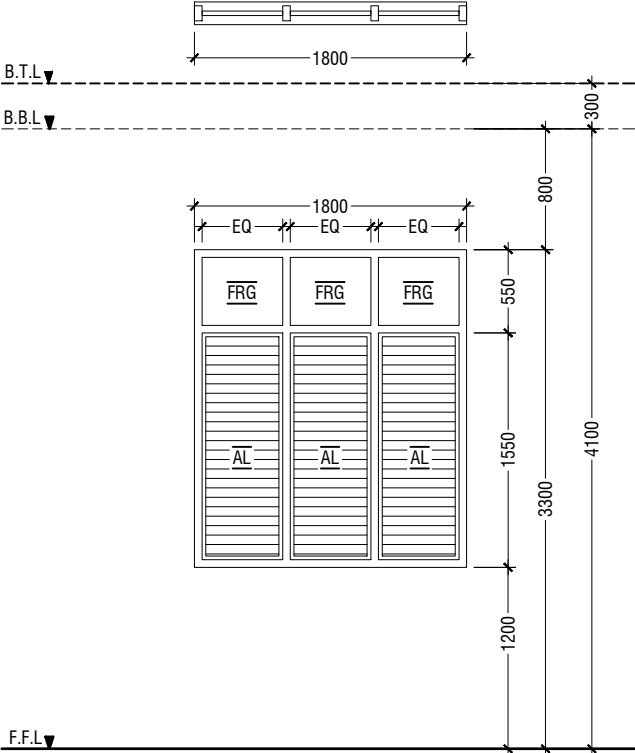
D4	SWING DOOR WITH ALUMINIUM LOUVERS
REMARKS	50mm THICK WHITE POWDER COATED (60 MICRONS) ALUMINUM FRAMED WITH ALUMINIUM PANEL AND ALUMINIUM LOUVERS
LOCATION	DISABLED TOILET
QUANTITY	01 NOS
OPEN AREA	2.03 sqm



D5	PVC SWING DOOR
REMARKS	PVC WHITE FRAME AND PANEL
LOCATION	TOILETS, CHANGING ROOM & STORE ROOM
QUANTITY	07 NOS
OPEN AREA	1.23 SQM



D6	DOUBLE SWING DOOR
REMARKS	50mm THICK WHITE POWDER COATED (60 MICRONS) ALUMINUM FRAMED WITH ALUMINIUM PANEL
LOCATION	STAGE STORE ACCESS
QUANTITY	02 NOS
OPEN AREA	1.15 SQM

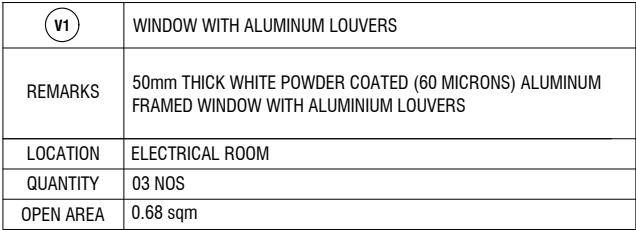
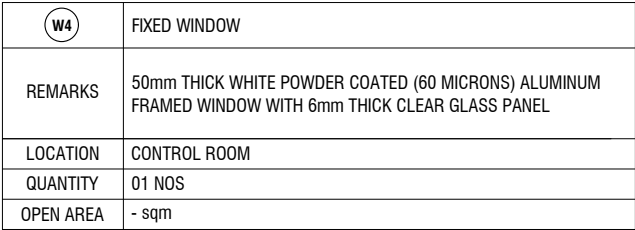
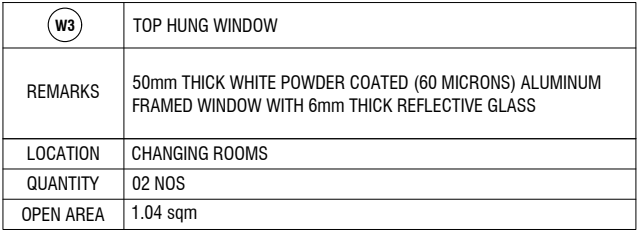
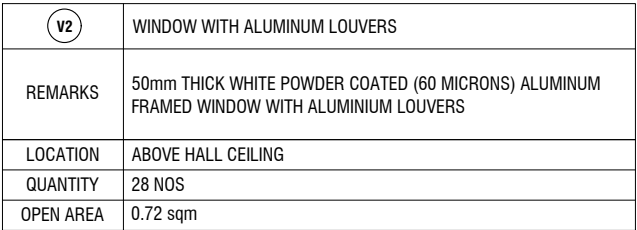
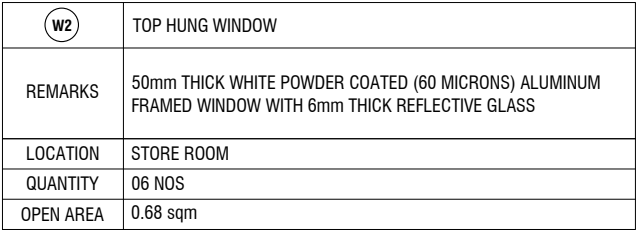


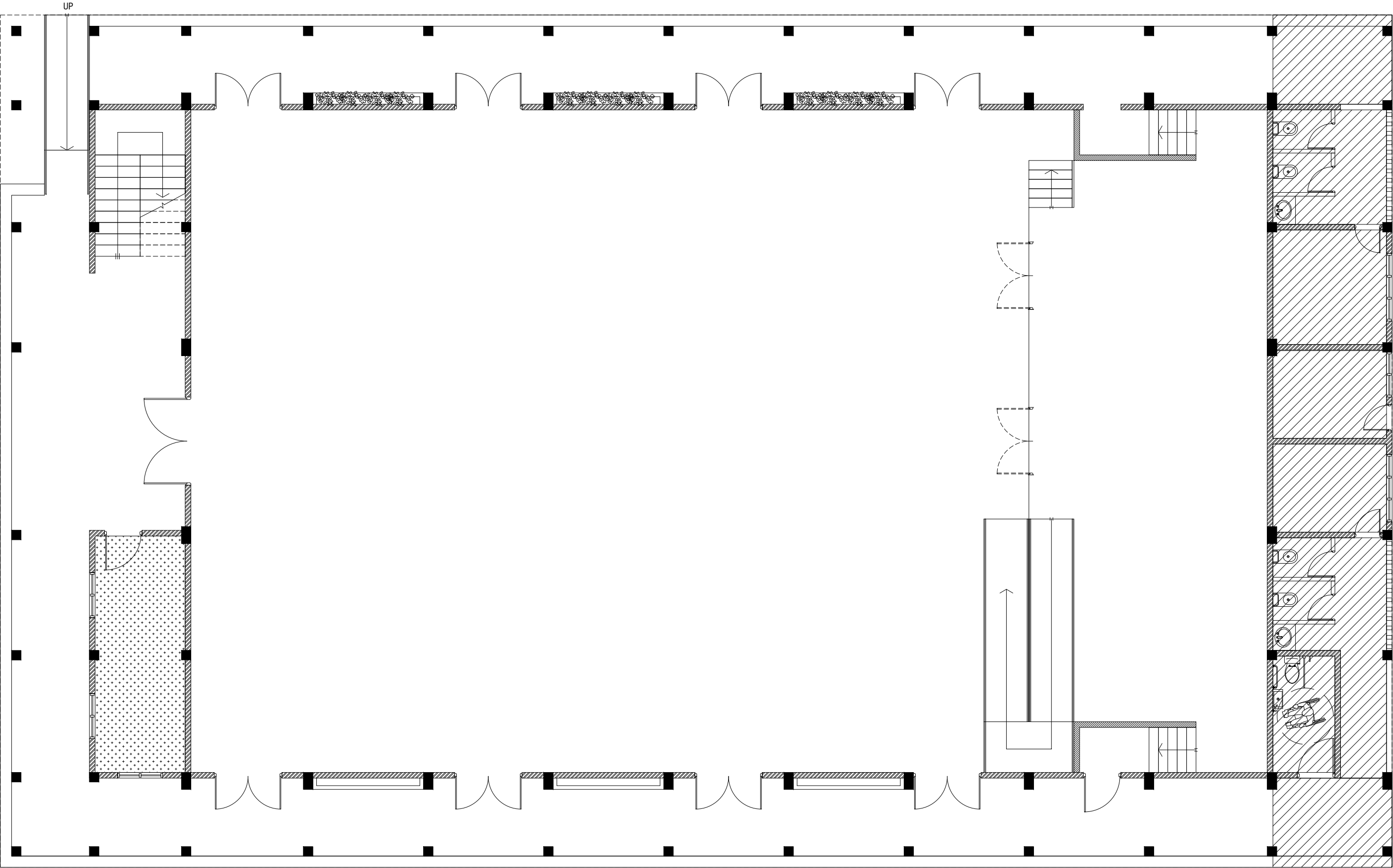
W1	WINDOW WITH FIXED GLASS & ALUMINUM LOUVERS
REMARKS	50mm THICK WHITE POWDER COATED (60 MICRONS) ALUMINUM FRAMED WINDOW WITH ALUMINIUM LOUVERS AND 6mm THICK REFLECTED FIXED GLASS PANELS
LOCATION	HALL
QUANTITY	14 NOS
OPEN AREA	2.40 sqm

LEGEND:  
FCG - FIXED CLEAR GLASS  
FRG - FIXED REFLECTED GLASS  
RG - REFLECTED GLASS  
AL - ALUMINIUM  
PVC - POLYVINYL CHLORIDE

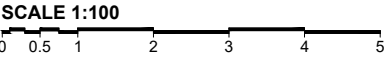
NOTE:-  
- ALL DOORS & WINDOWS TO BE CHECKED ON SITE BEFORE FABRICATION.  
- ALL DOOR & WINDOWS VIEWED FROM EXTERIOR, FOR DOOR SWING, REFER TO FLOOR PLANS.  
- THE DOORS / WINDOWS WHICH DO NOT TOUCH THE BEAM SHALL HAVE A LINTEL BEAM (LB)  
ABOVE THE DOOR / WINDOW.  
- FOR ALL THE WINDOWS PUT A SILL BEAM BELOW THE WINDOW (SB)  
- 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





**GROUND FLOOR  
REFLECTED CEILING PLAN**



**LEGEND**

CODE	DESCRIPTION
	EXPOSED SLAB SOFFIT TO BE FINISHED WITH GROUND SMOOTH FINISH IN SELECTED PAINT
	CEMENT BOARD CEILING

V. Keyodhoo School Hall  
Client: Ministry of Education

Project Number: RI/2017/012	Rev no	Date
Date: June 2019	01	11 June 2019
Architect: Razana Amir	--	-----
Engineer: Ahmed Zuhail Zaeem	--	-----
Drawn by: Razana Amir	--	-----
Services: Alshath Ahmed	--	-----
Interior: -	--	-----



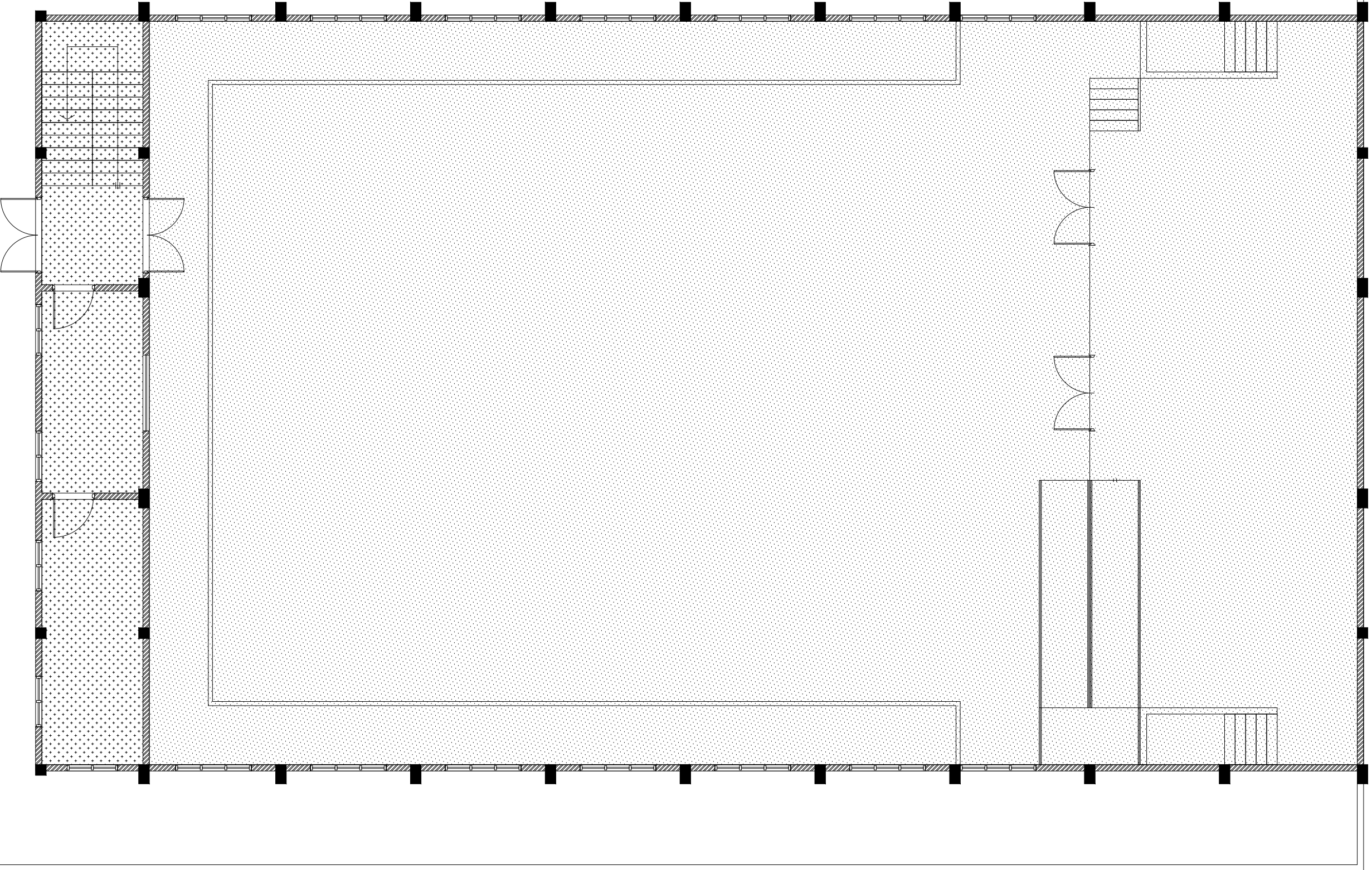
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Title: Door / Window  
Schedule - 2

Page: A-10/19



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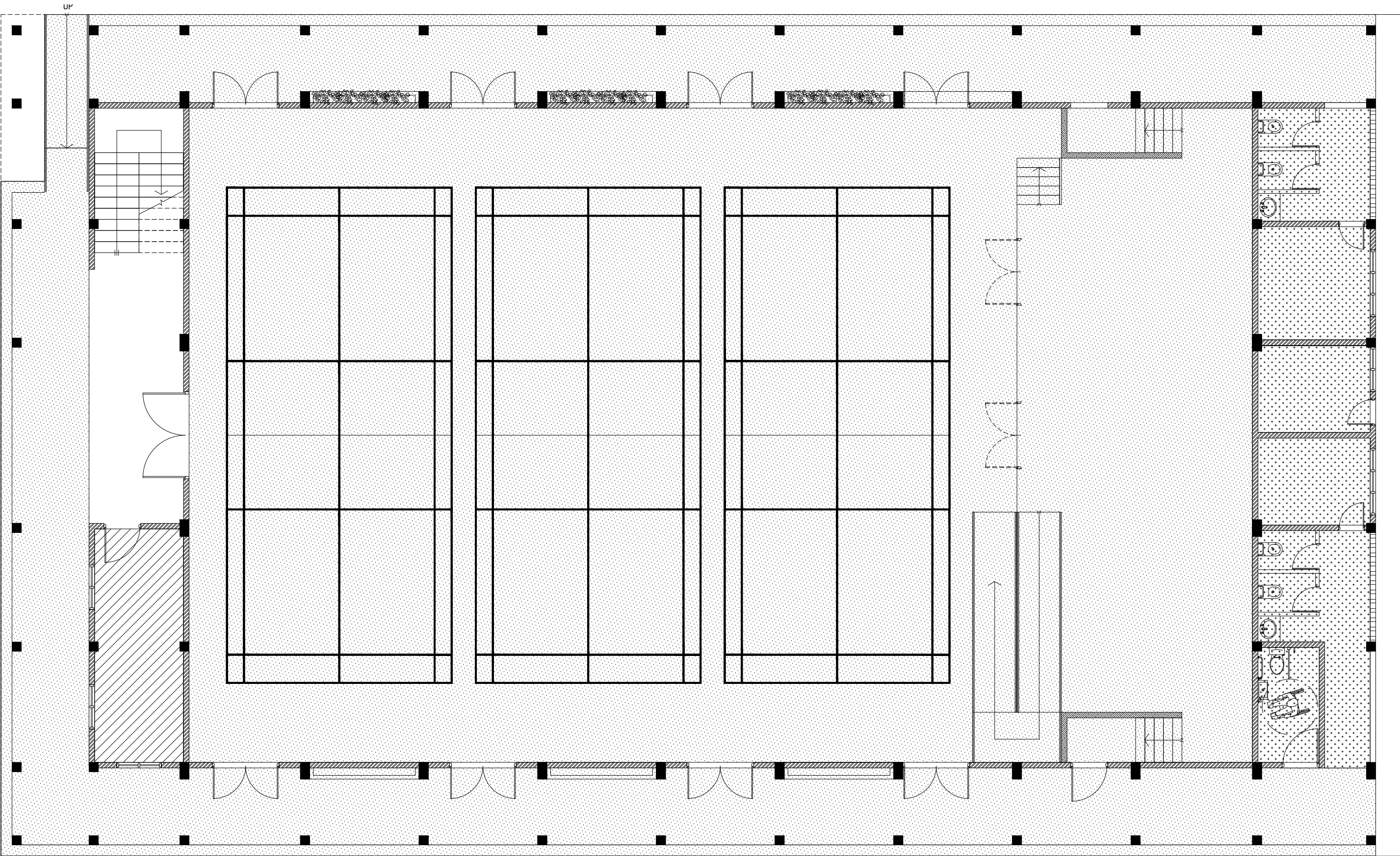
**FIRST FLOOR  
REFLECTED CEILING PLAN**

SCALE 1:100

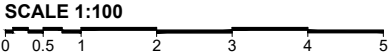
0 0.5 1 2 3 4 5

LEGEND	
CODE	DESCRIPTION
	EXPOSED SLAB SOFFIT TO BE FINISHED WITH GROUND SMOOTH FINISH IN SELECTED PAINT
	SUSPENDED ACOUSTIC CEILING SYSTEM WITH ALUMINUM FRAMING CEILING HEIGHT : + 7300mm





GROUND FLOOR  
FLOOR FINISHES PLAN



LEGEND

CODE	DESCRIPTION
	SELF LEVELLING CEMENT FLOOR SCREED WITH EPOXY FLOOR PAINT
	600X600mm HOMOGENOUS NON-SLIP TILES OVER 50mm SCREEDING

	300X300mm HOMOGENOUS NON-SLIP TILES OVER 50mm SCREEDING
--	---

NOTE:  
BADMINTON COURT TO BE DRAWN ON WITH ELASTOMETRIC PAINT IN SELECTED PAINT FINISH

V. Keyodhoo School Hall  
Client: Ministry of Education

Project Number: RI/2017/012	Rev no	Date
Date: June 2019	01	11 June 2019
Architect: Razana Amir	--	-----
Engineer: Ahmed Zuhail Zaeem	--	-----
Drawn by: Razana Amir	--	-----
Services: Alshath Ahmed	--	-----
Interior: -	--	-----



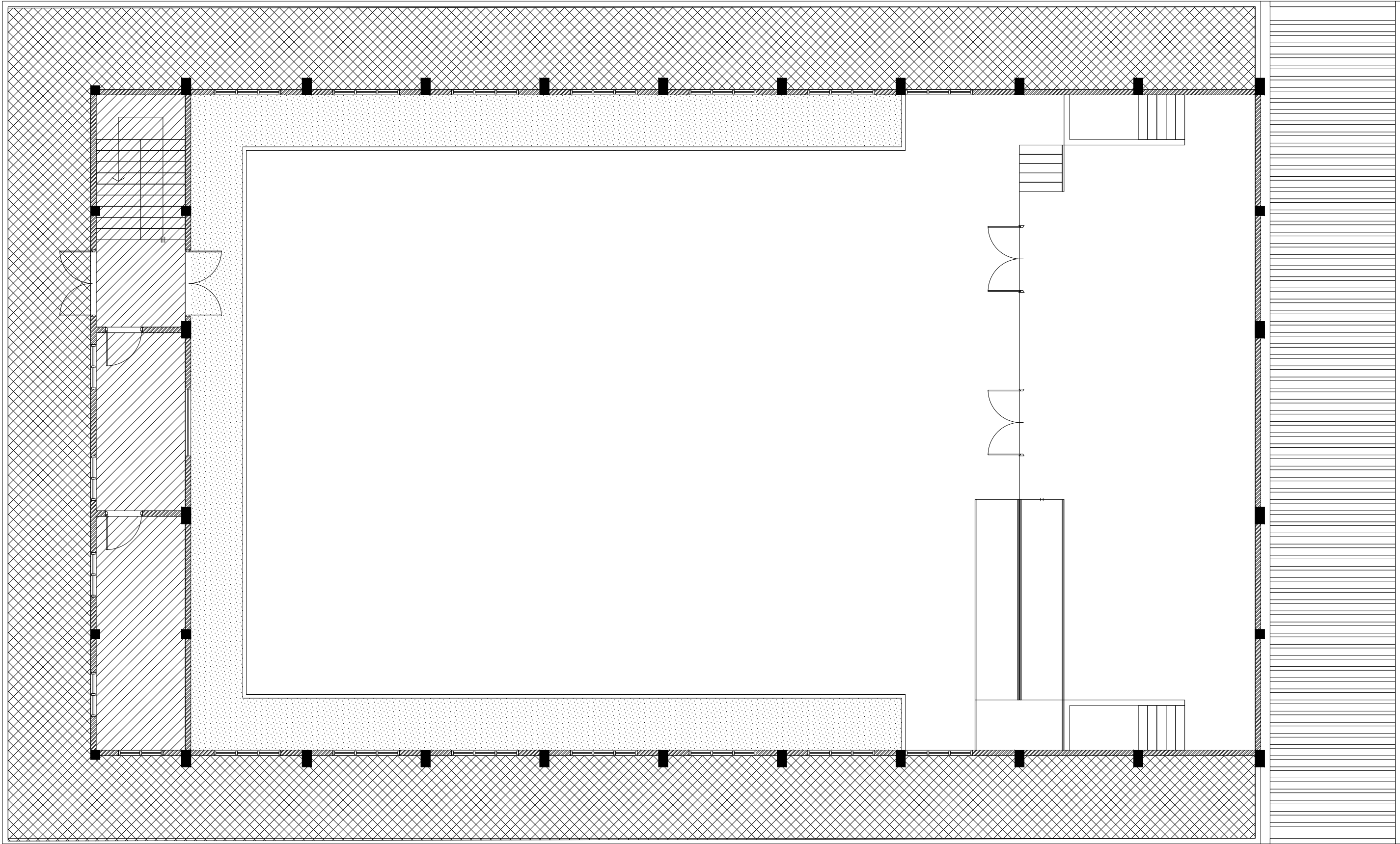
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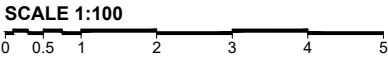
Title: Door / Window  
Schedule - 2

Page: A-12/19


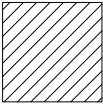
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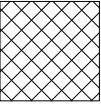


FIRST FLOOR  
FLOOR FINISHES PLAN



LEGEND

CODE	DESCRIPTION
	SELF LEVELLING CEMENT FLOOR SCREED WITH EPOXY FLOOR PAINT
	600X600mm HOMOGENOUS NON-SLIP TILES OVER 50mm SCREEDING

	SELF LEVELLING CEMENT FLOOR SCREED WITH BITUMINOUS WATERPROOFING AGENT
---	--

V.Keyodhoo School Hall  
Client: Ministry of Education

Project Number: RI/2017/012	Rev no	Date
Date: June 2019	01	11 June 2019
Architect: Razana Amir	--	-----
Engineer: Ahmed Zuhail Zaeem	--	-----
Drawn by: Razana Amir	--	-----
Services: Alshath Ahmed	--	-----
Interior: -	--	-----



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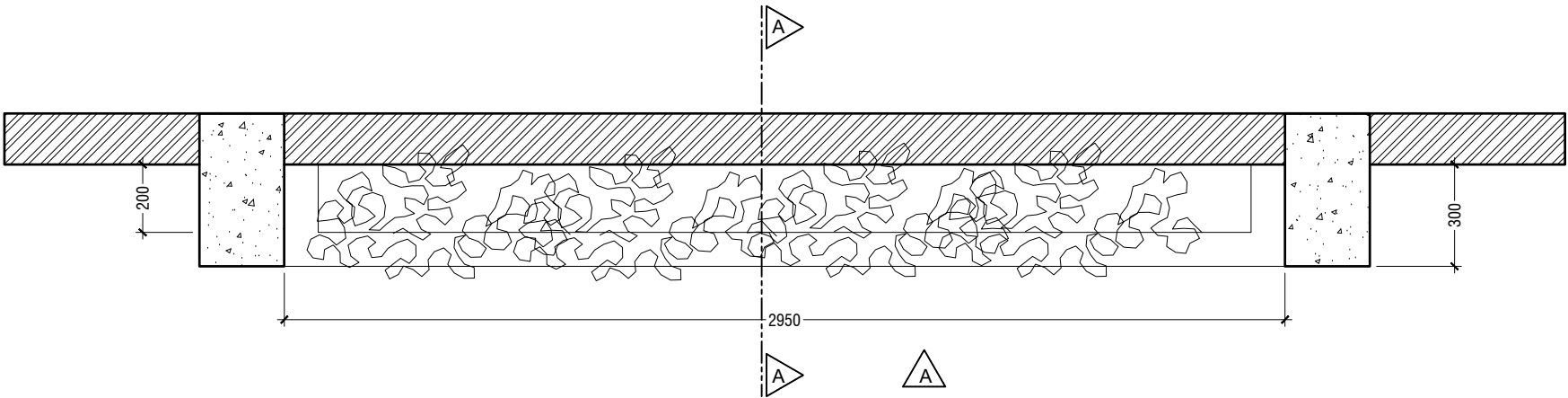
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w: www.ryan.com.mv  
3rd floor, H. Azum, Ammeenemagu, Male'

Title: Door / Window  
Schedule - 2

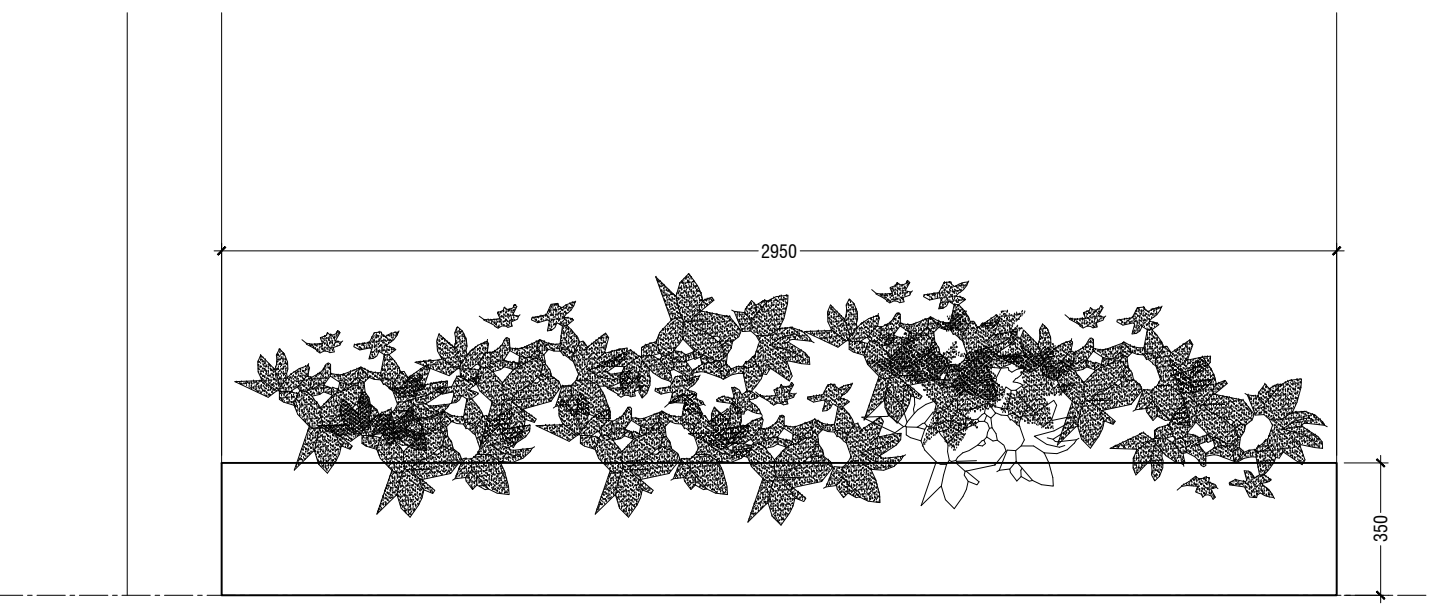
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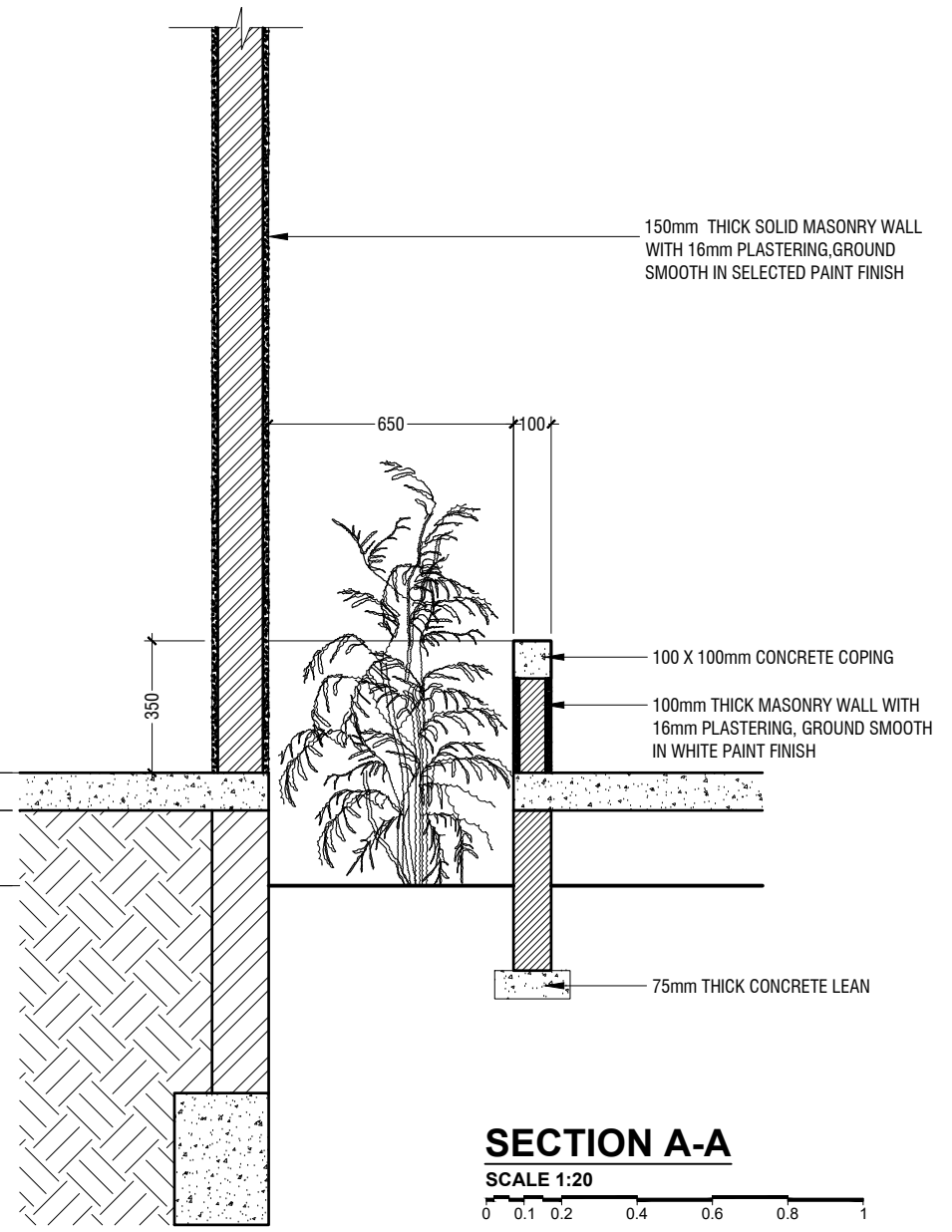


**PLAN**  
SCALE 1:20

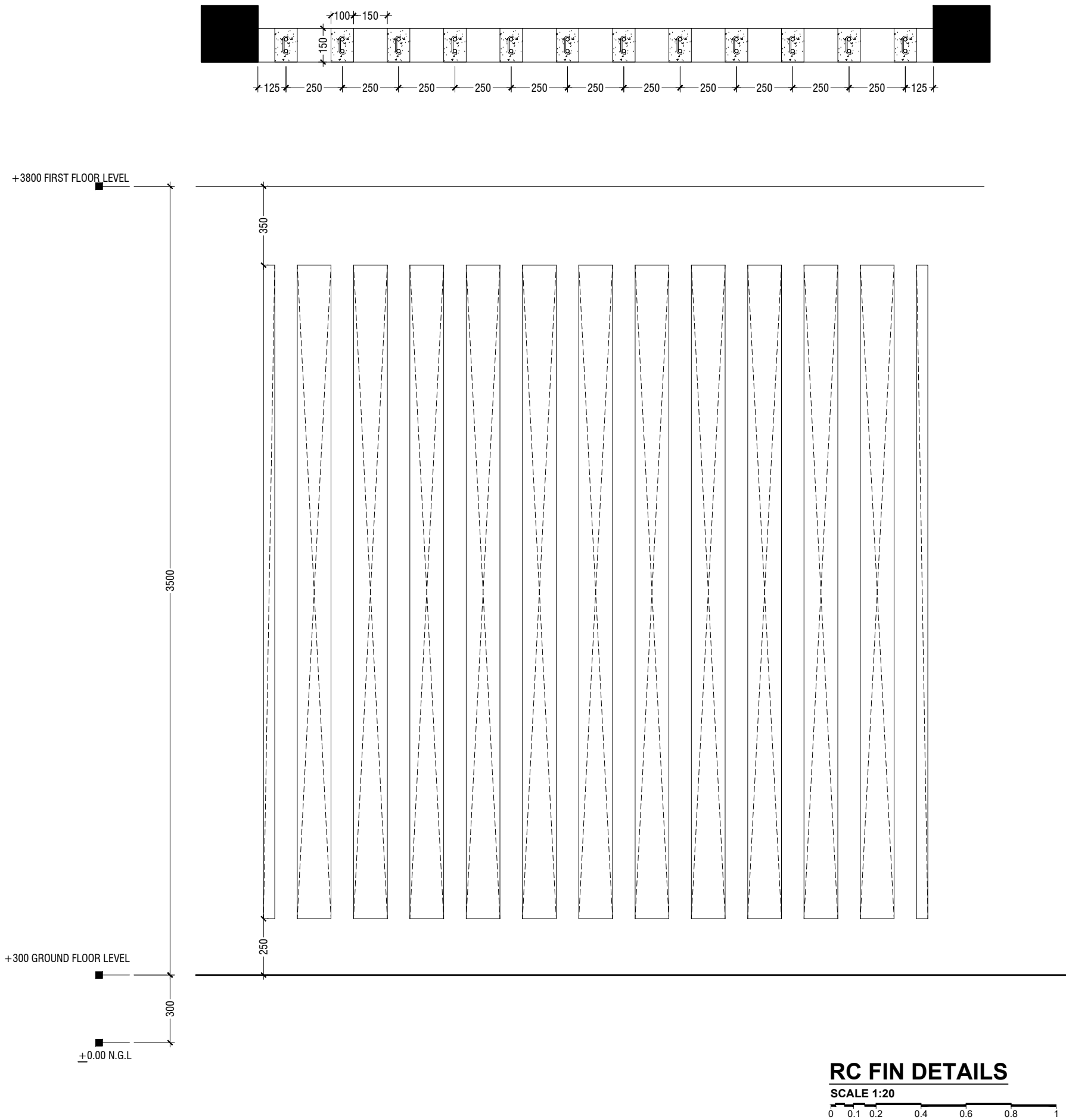


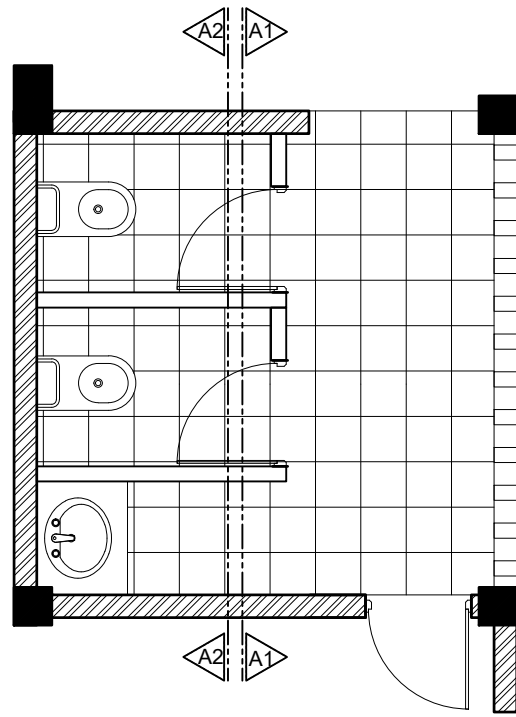
**ELEVATION A**  
SCALE 1:20

**PLANTER BOX DETAILS**



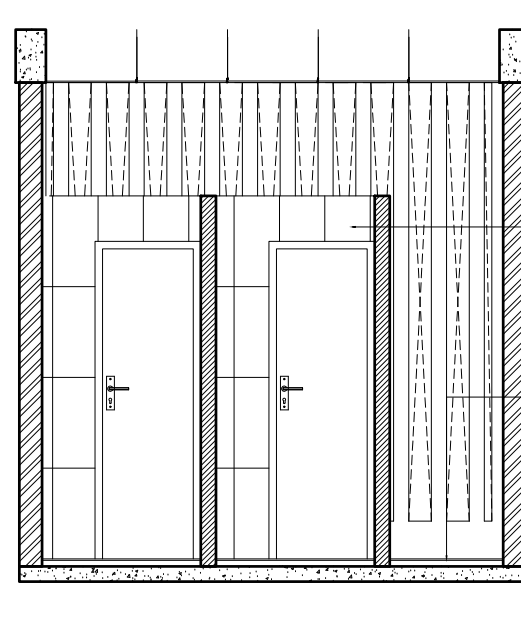
**SECTION A-A**  
SCALE 1:20





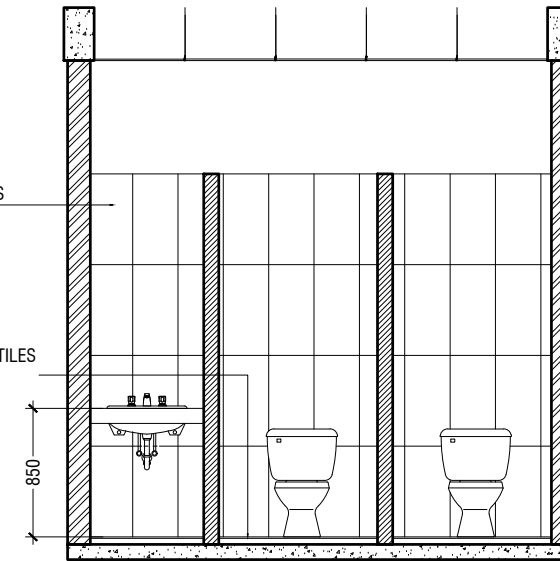
**TYPICAL TOILET PLAN**

SCALE 1:50  
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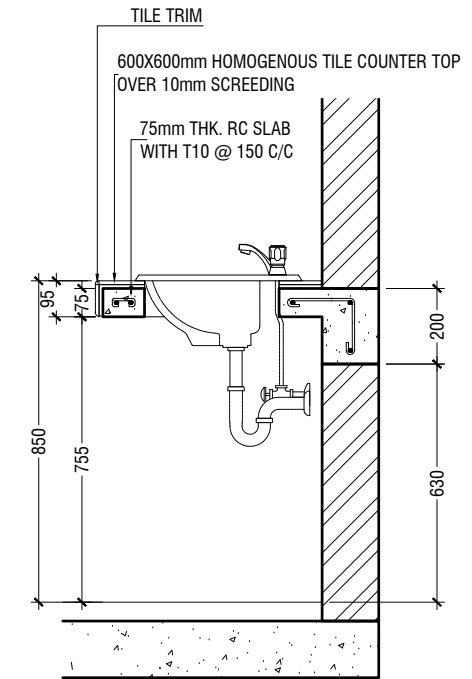
**SECTION A1-A1**

SCALE 1:50  
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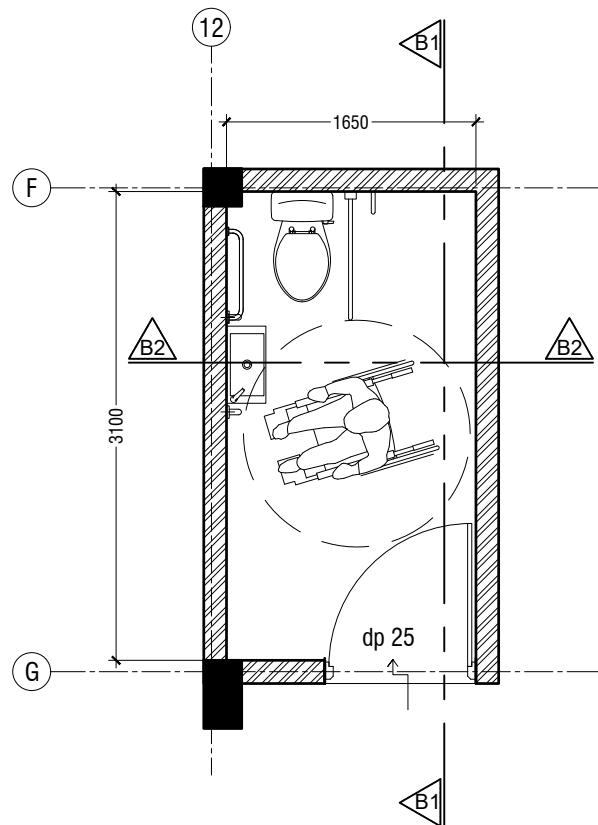
**SECTION A2-A2**

SCALE 1:50  
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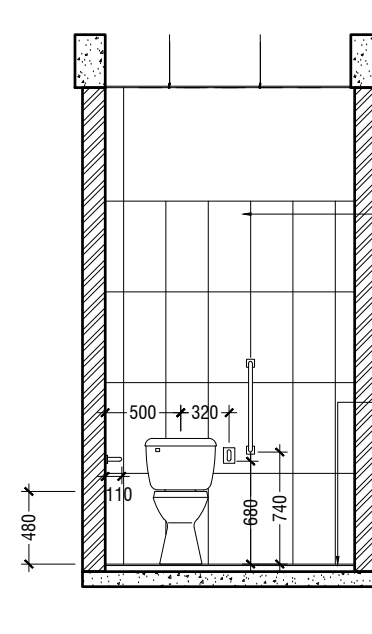
**COUNTER TOP DETAILS**

SCALE 1:20  
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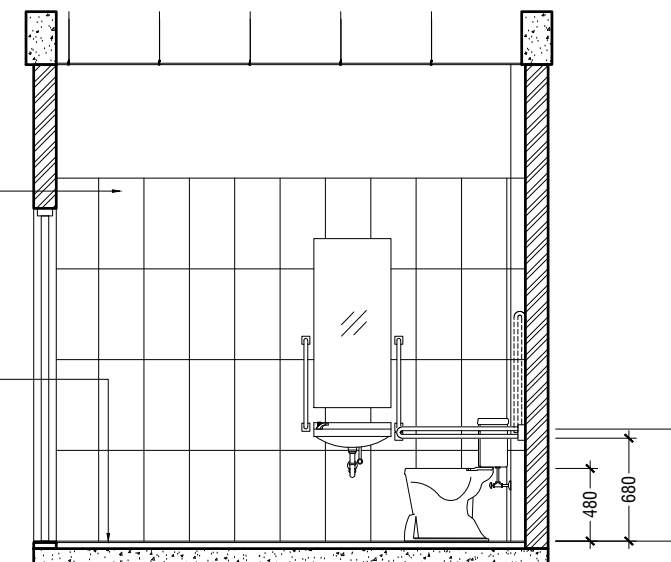
**TOILET FOR PERSONS WITH DISABILITIES PLAN**

SCALE 1:50  
0 0.25 0.5 1 1.5 2 2.5



**SECTION B1-B1**

SCALE 1:50  
0 0.25 0.5 1 1.5 2 2.5



**SECTION B2-B2**

SCALE 1:50  
0 0.25 0.5 1 1.5 2 2.5

V.Keyodhoo School Hall  
Client: Ministry of Education

Rev no	Date
01	11 June 2019
02	
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Project Number: RI/2017/012  
Date: June 2019  
Architect: Razana Amir  
Engineer: Ahmed Zuhair Zaeem  
Drawn by: Razana Amir  
Services: Alshahid Ahmed  
Interior: -



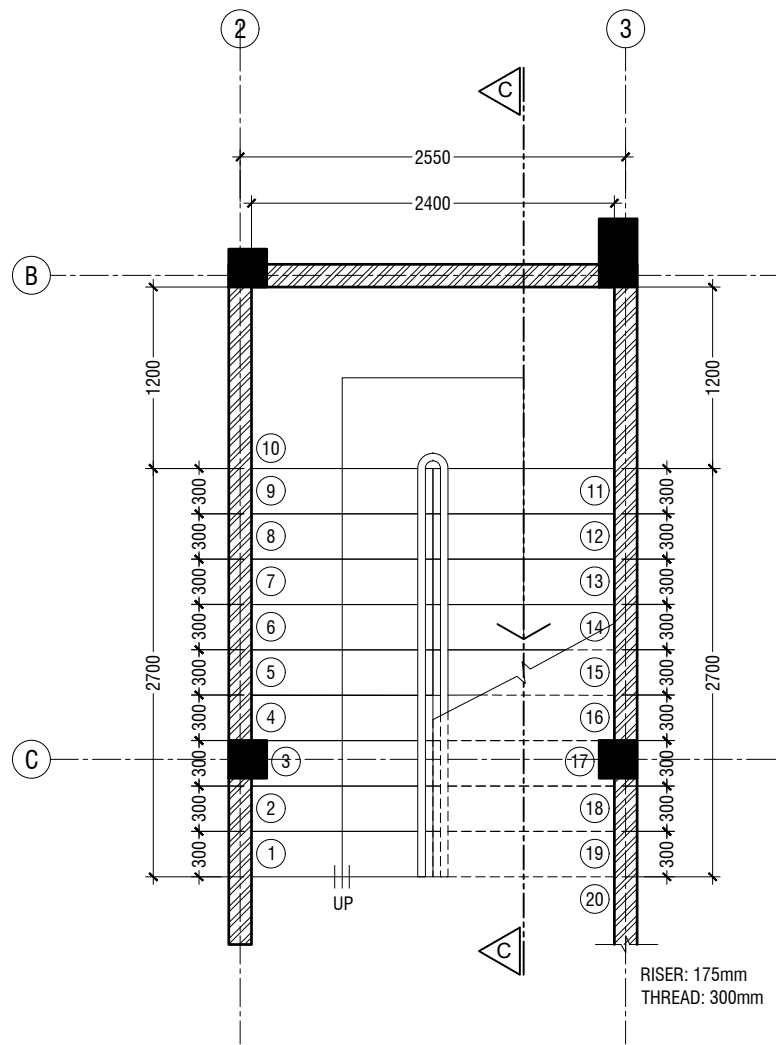
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3rd floor, H. Azum, Ameenemagau, Male'

Title: Toilet details

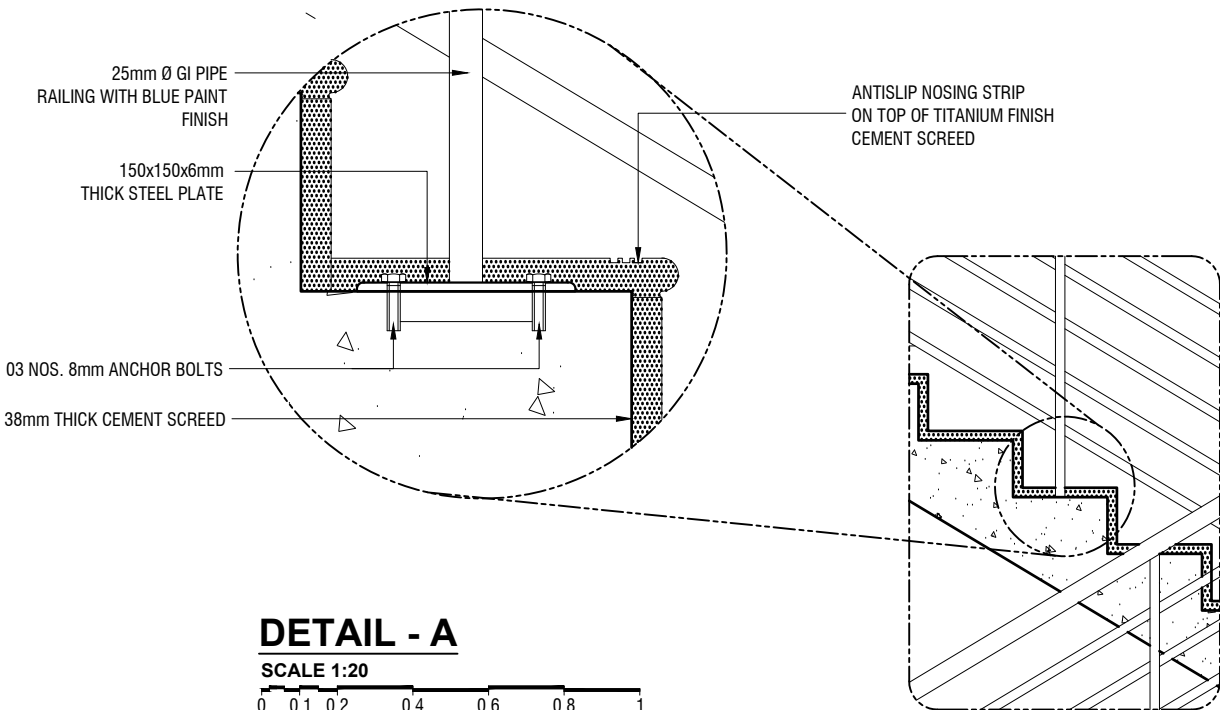
Page: A-16/19

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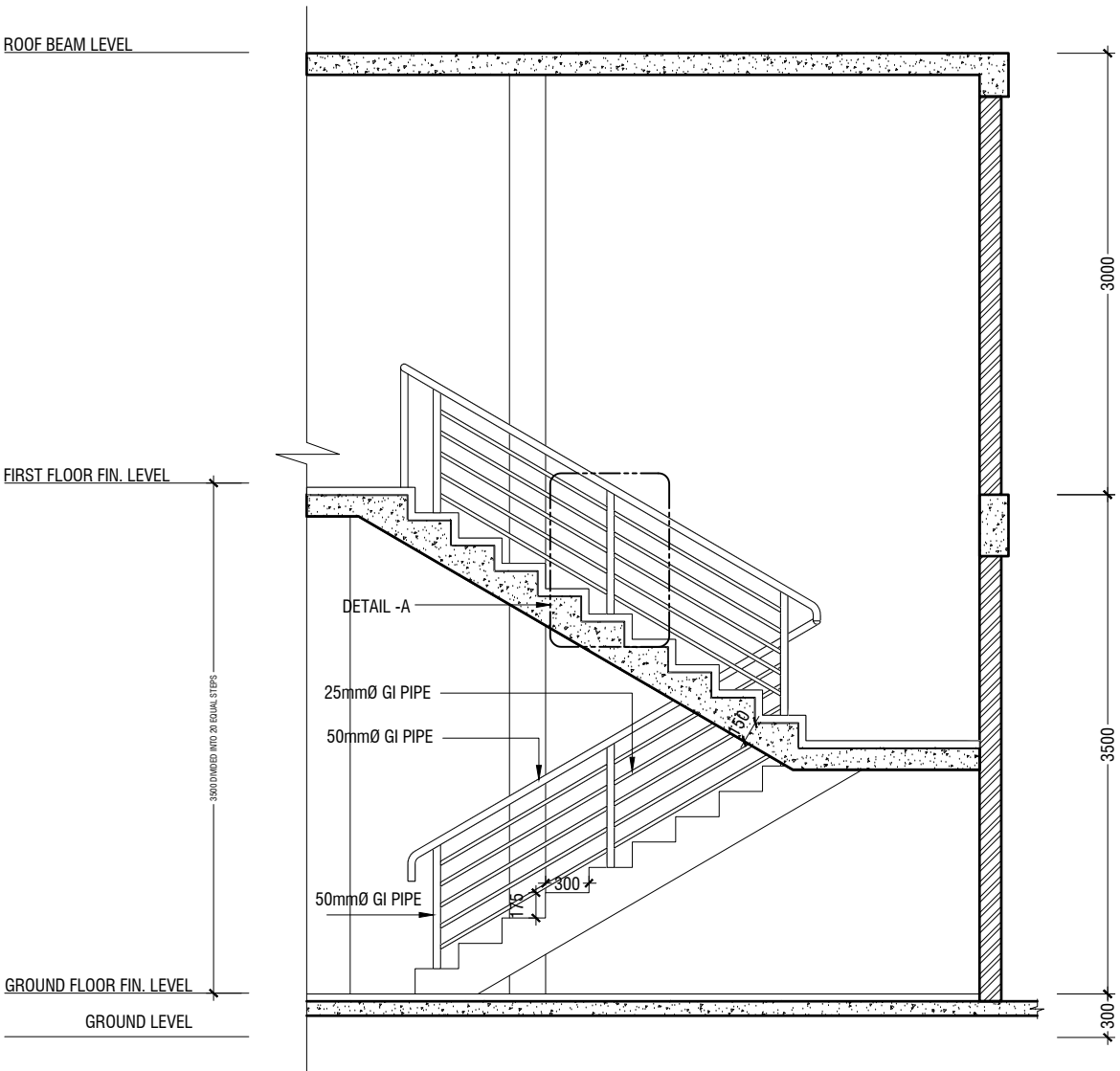
# MAIN STAIRCASE PLAN

SCALE 1:50



# DETAIL - A

SCALE 1:20



# SECTION C-C

SCALE 1:50

# MAIN STAIRCASE DETAILS

SCALE 1:50

V.Keyodhoo School Hall  
Client: Ministry of Education

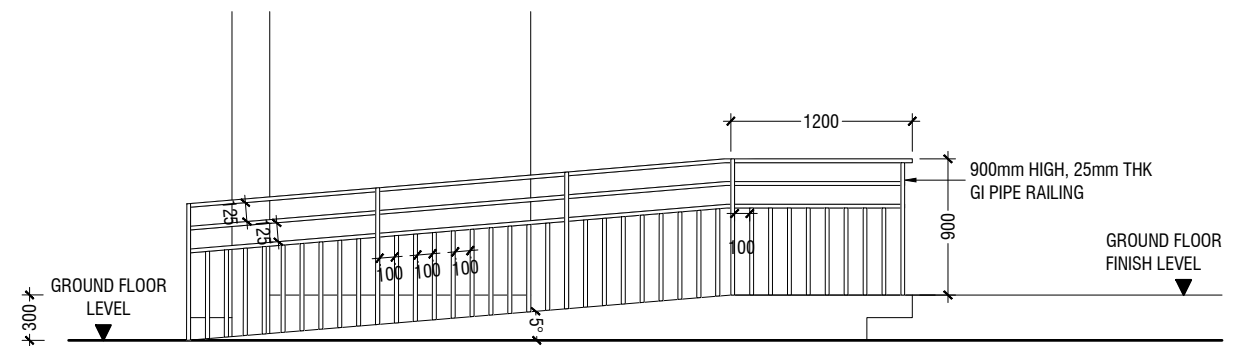
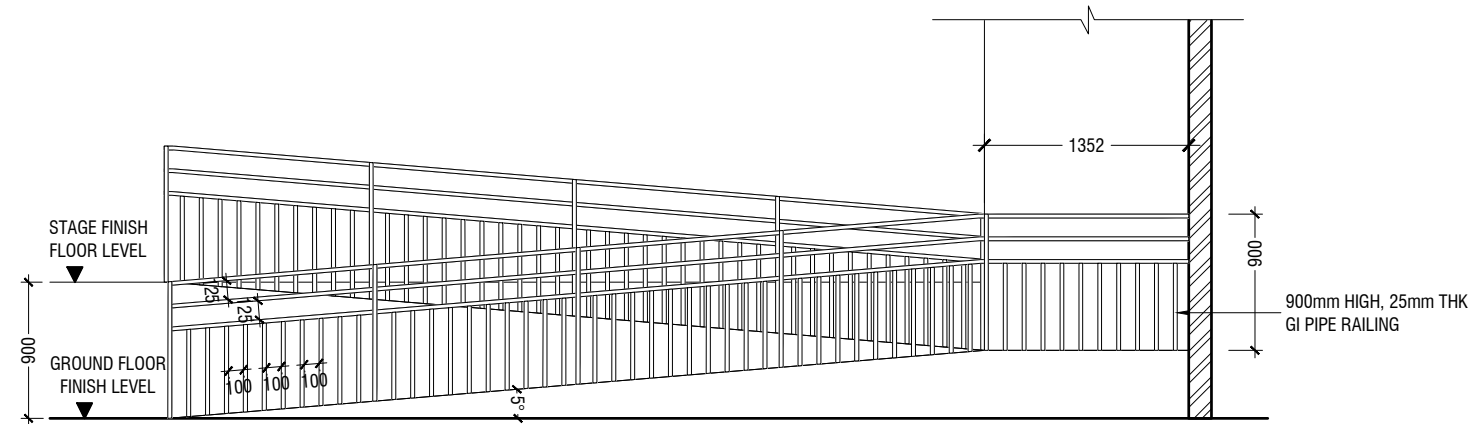
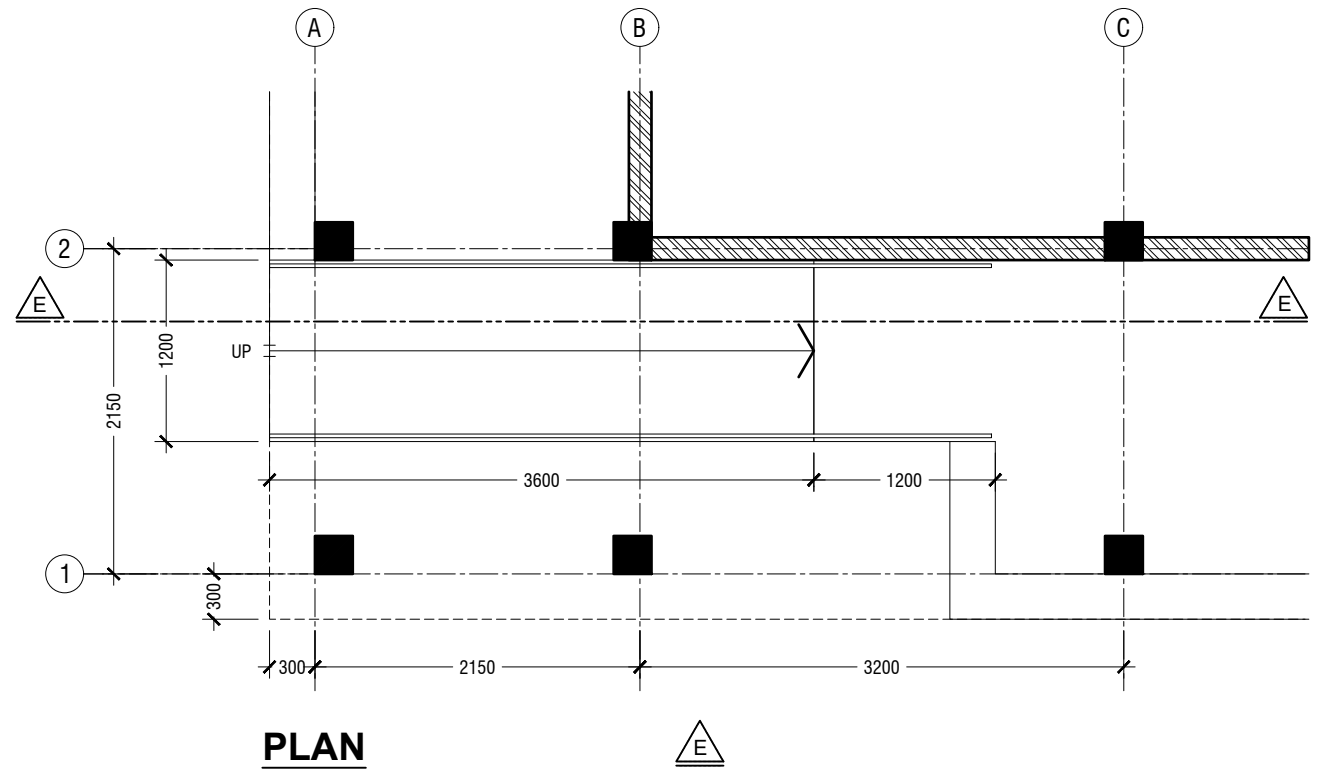
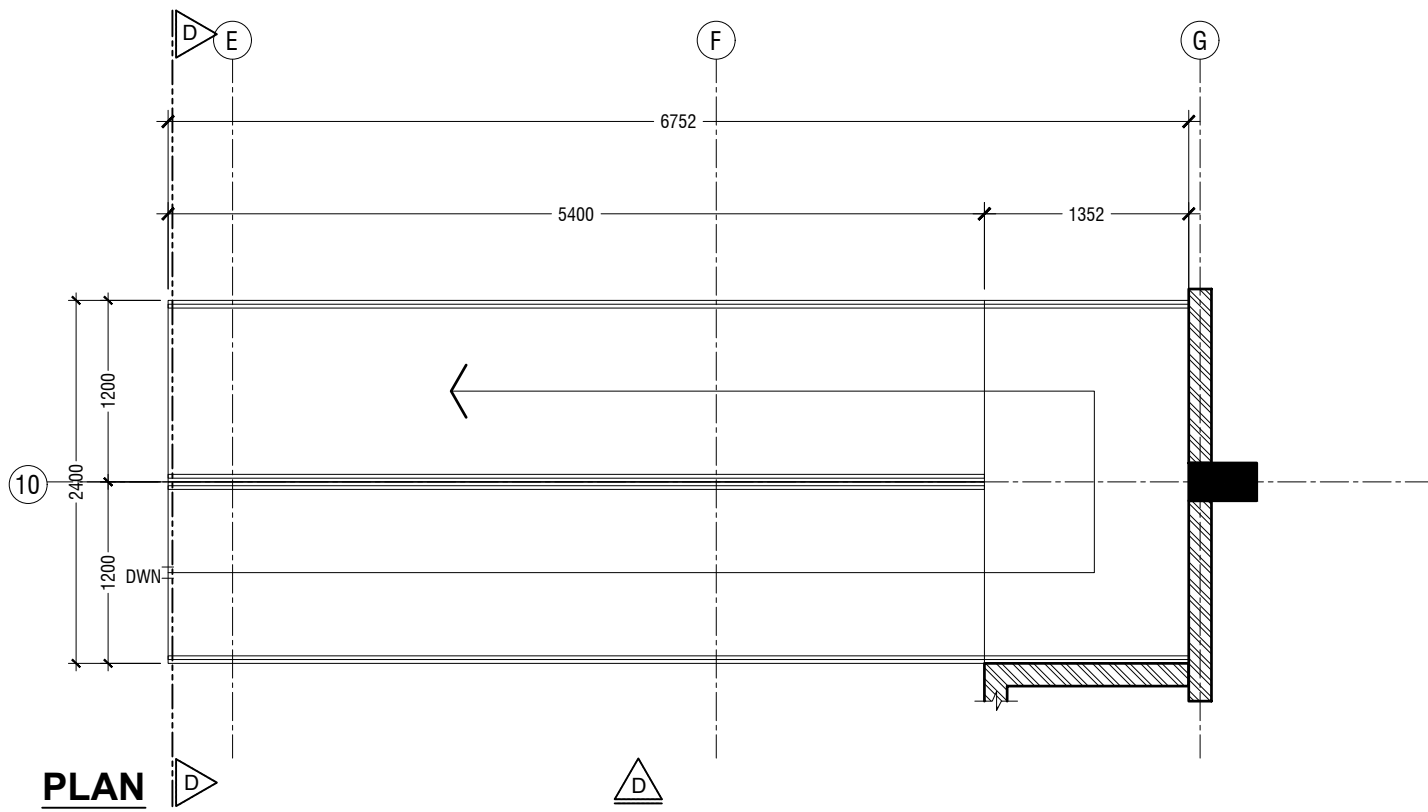
Project Number: RI/2017/012	Date
Date: June 2019	11 June 2019
Architect: Razana Amir	
Engineer: Ahmed Zuhair Zaeem	
Drawn by: Razana Amir	
Services: Alshahh Ahmed	
Interior: -	



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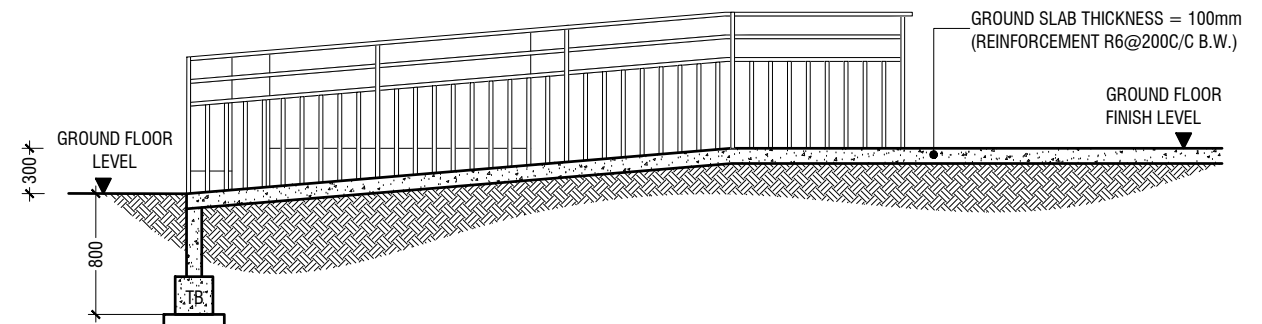
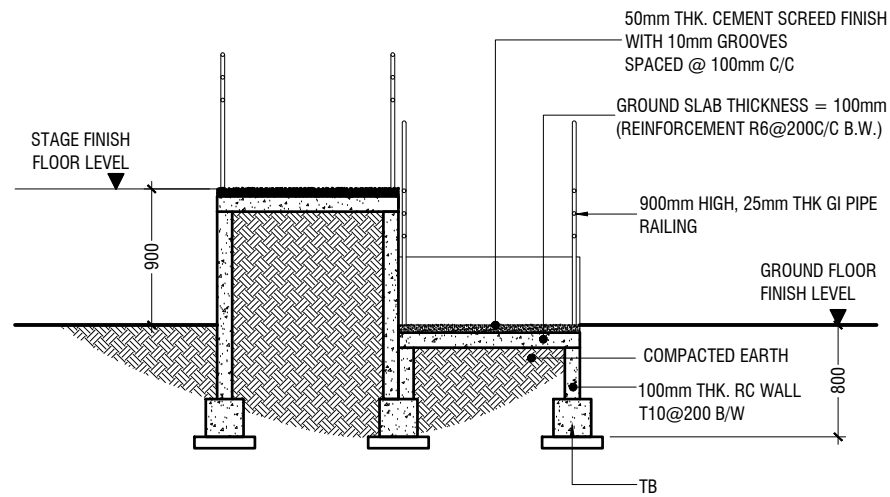
t: +9603315049 f: +9603310776  
e: info@riyan.com.mv  
w: www.riyan.com.mv  
3rd floor, H. Azum, Ameerseemagau, Male'

Title: Main Staircase Detail



**ELEVATION D**

**ELEVATION E**

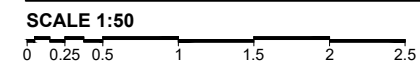
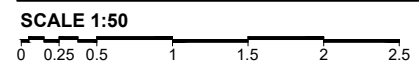


**STAGE RAMP DETAIL**

**SECTION D-D**

**SECTION E-E**

**MAIN ENTRANCE RAMP DETAIL**



V. Keyodhoo School Hall  
Client: Ministry of Education

Project Number: RI/2017/012  
Date: June 2019  
Architect: Razana Amir  
Engineer: Ahmed Zuhair Zaeem  
Drawn by: Razana Amir  
Interior: Aishath Ahmed

Rev no	Date
01	11 June 2019



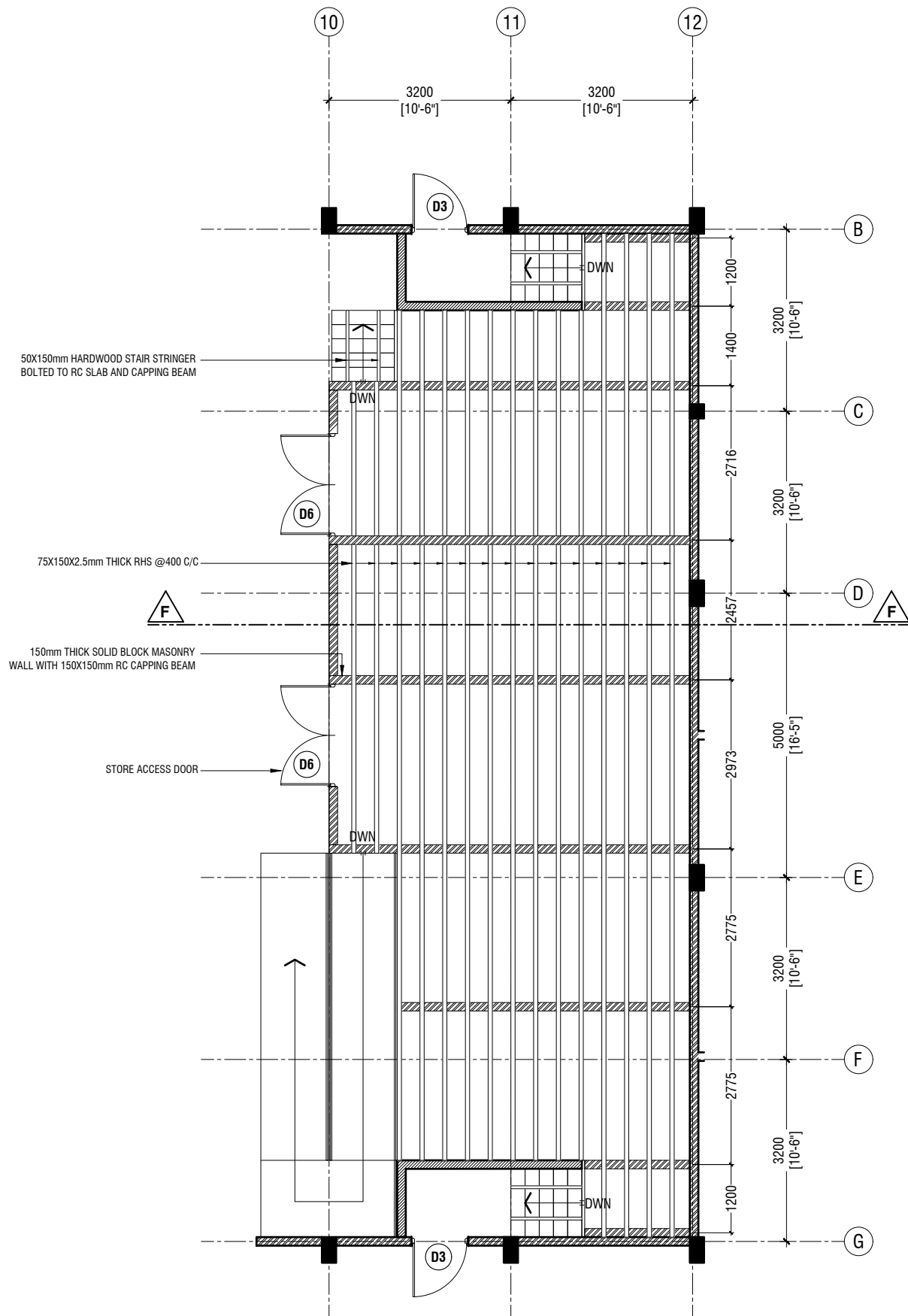
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w: www.ryan.com.mv  
3rd floor, H. Azumi, Ameerneemagu, Male'

Title: Stage Ramp Detail

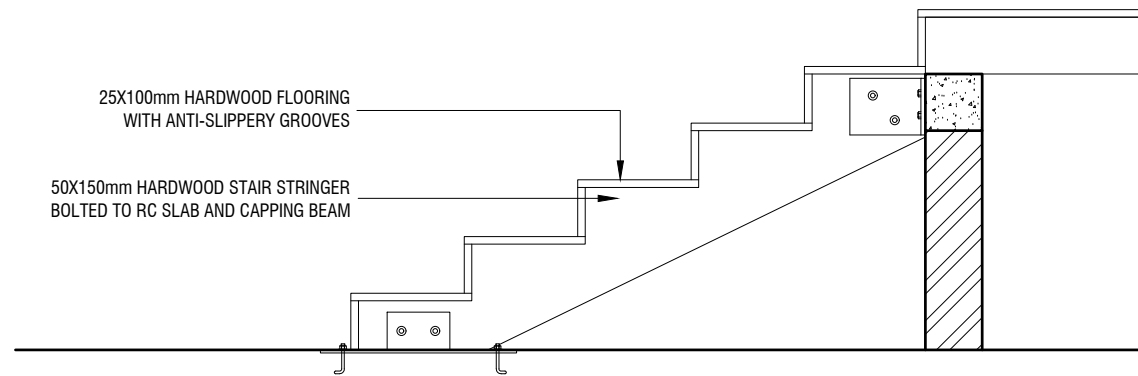
Page: A-18/19

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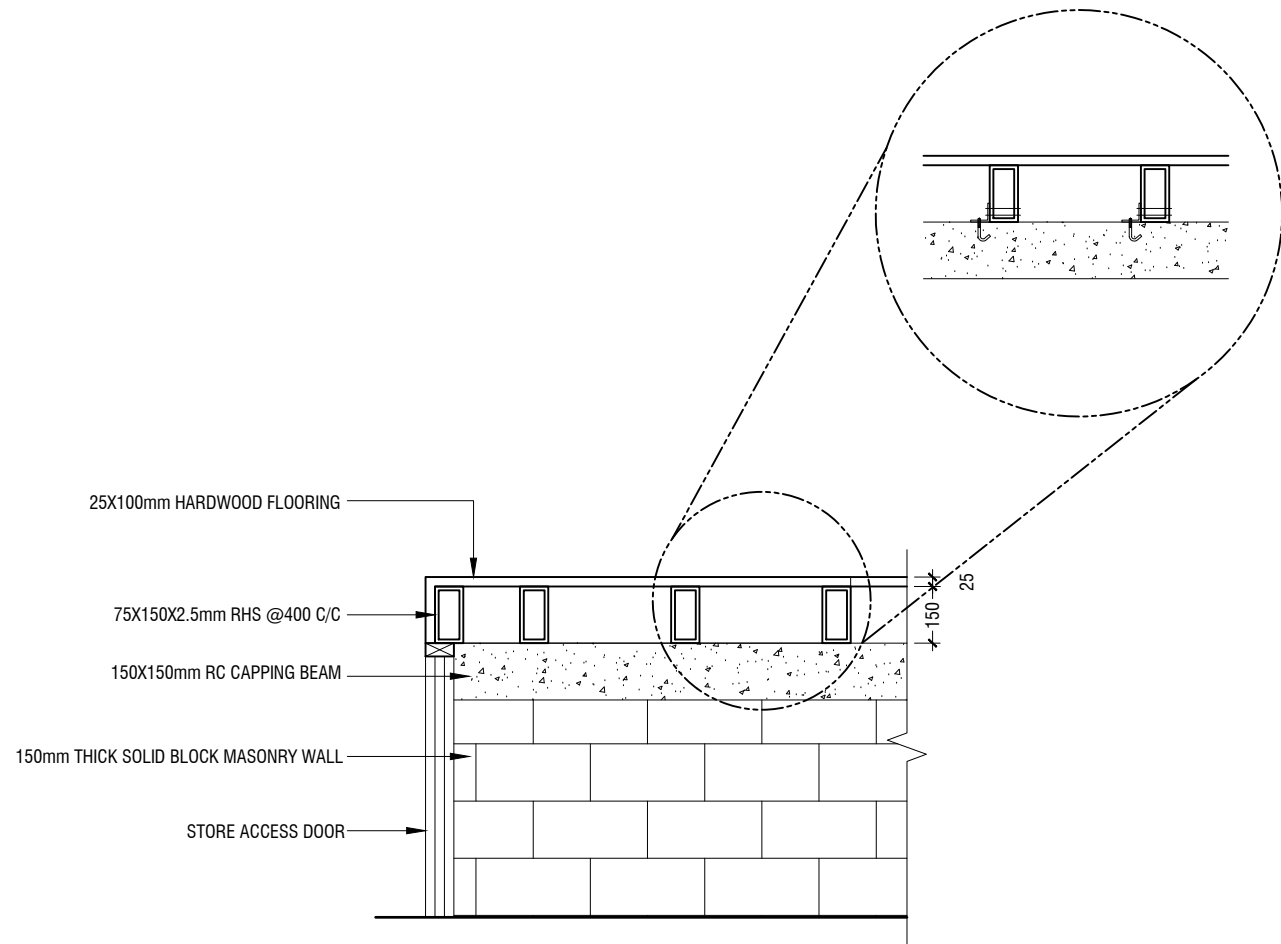
**STAGE FRAMING PLAN**  
SCALE 1:100

0 0.5 1 2 3 4 5



**STAIR DETAIL**  
SCALE 1:20

0 0.1 0.2 0.4 0.6 0.8 1



**SECTION F-F**  
SCALE 1:20

0 0.1 0.2 0.4 0.6 0.8 1

V. Keyodhoo School Hall  
Client: Ministry of Education

Project Number: RI/2017/012	Date
Date: June 2019	11 June 2019
Architect: Razana Amir	
Engineer: Ahmed Zuhair Zaeem	
Drawn by: Razana Amir	
Services: Alshath Ahmed	
Interior: -	

Rev no

01



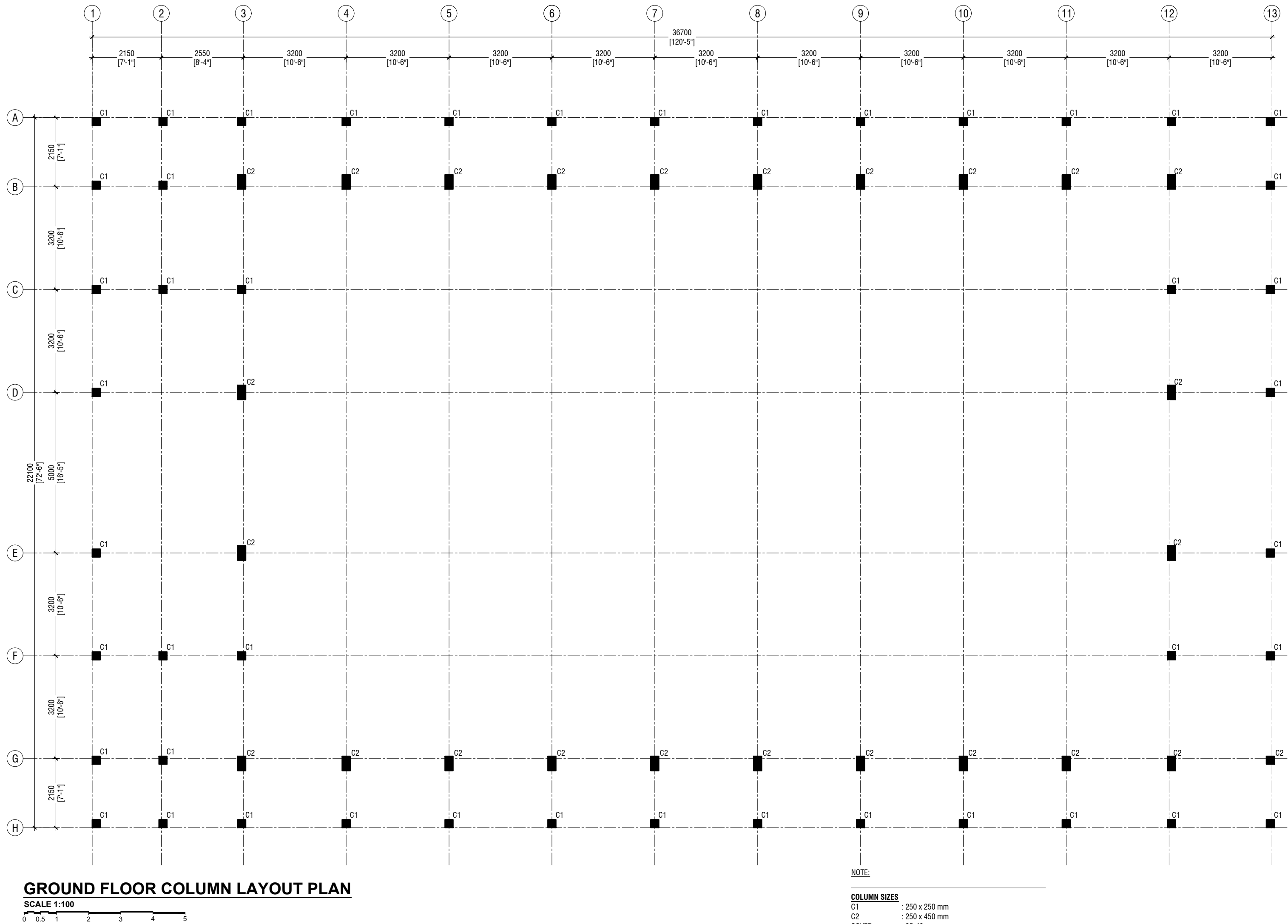
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e: info@ryan.com.mv  
w: www.ryan.com.mv  
3rd floor, H. Azum, Ameerseemagui, Male'

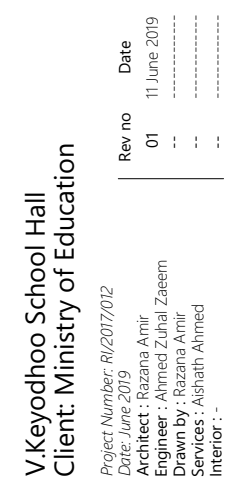
Title: Stage Framing Plan & Details  
& Details

Page: A-19/19

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<b>COLUMN SIZES</b>	
C1	: 250 x 250 mm
C2	: 250 x 450 mm
COVER	: 35-40mm

	DIMENSION	REINFORCEMENT
F1	750 x 750 x 250	T10@150 C/C B/W (B)
F2	900 x 900 x 300	T10@100 C/C B/W (B)

FOUNDATION DEPTH : 1200mm BELOW GROUND LEVEL

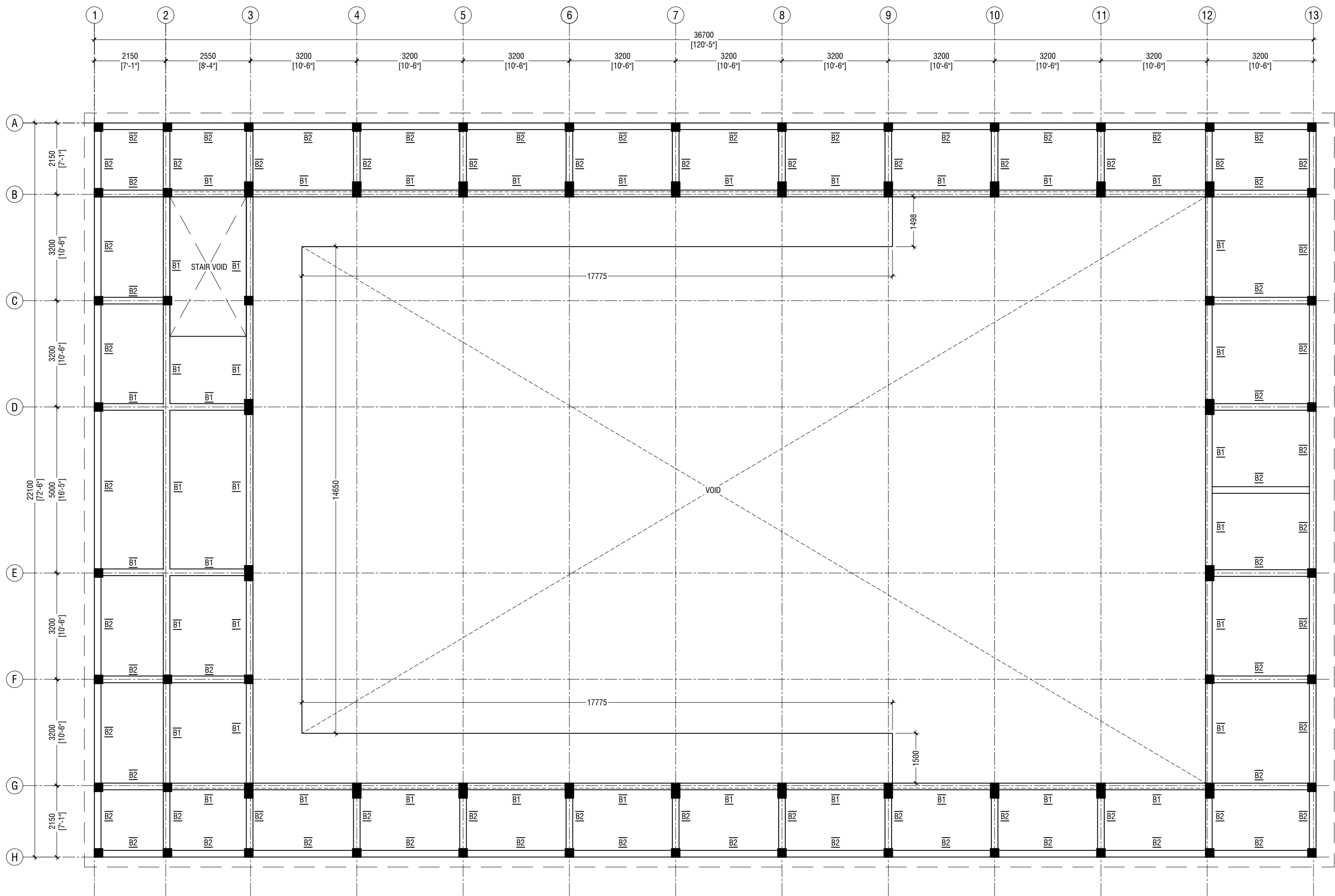
ALL FOOTINGS ARE TO BE LAID ON TOP OF 50mm THICK  
LEAN CONCRETE  
APPLY WATER PROOFING TO SUBSTRUCTURE  
(BELOW GROUND ELEMENTS)

**TIE BEAM SIZES**  
FB1 : 200 x 400 mm  
COVER : 50mm

GROUND SLAB : 100mm THK RC SLAB ON FILL  
REINFORCED WITH T10@200 C/C BW

MIX RATIO = 1:2:3 ( CEMENT : SAND : AGGREGATE )

-150mm THK. SOLID MASONRY BLOCK WALL  
RAMP SLAB : 150mm THK RC SLAB ON FILL  
REINFORCED WITH T10@250 C/C BW



**FIRST FLOOR BEAM PLAN**

SCALE 1:100



**NOTE:**

**COLUMN SIZES**

C1 : 250 x 250 mm  
C2 : 250 x 450 mm  
COVER : 35-40mm

**BEAM SIZES**

B1 : 200x425 mm  
B2 : 200x350 mm  
RB : 200x300 mm  
COVER : 35mm

MIX RATIO = 1:2:3 ( CEMENT : SAND : AGGREGATE )

V-Keyodhoo School Hall  
Client: Ministry of Education

Rev no	Date
01	11 June 2019
..	..
..	..

Project Number: RI/2017/012  
Client: Ministry of Education  
Architect: Razana Amir  
Engineer: Ahmed Zuhail Zaeem  
Drawn by: Razana Amir  
Services: Alhath Alhath  
Inspector: ..



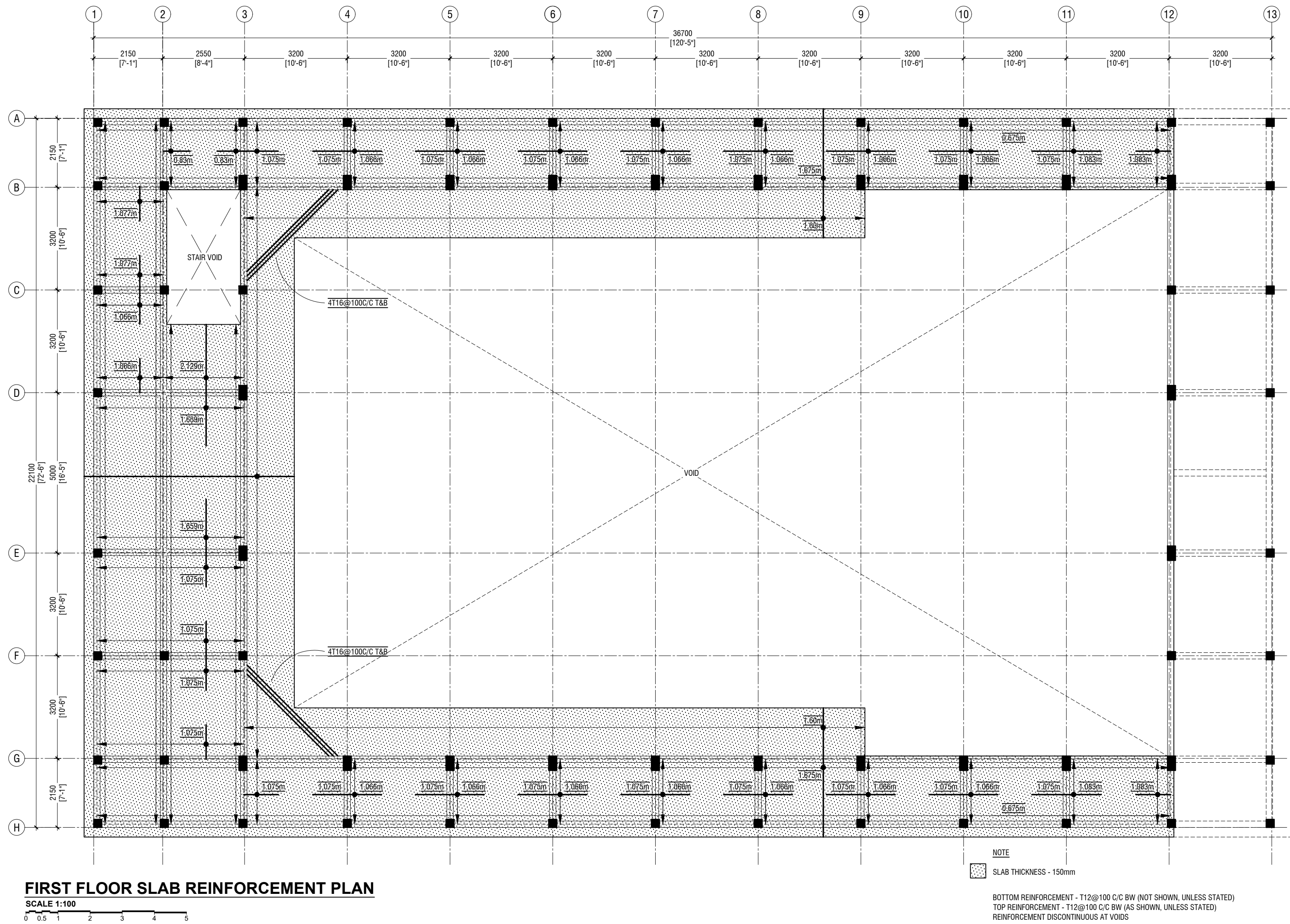
RYAN PRIVATE LIMITED

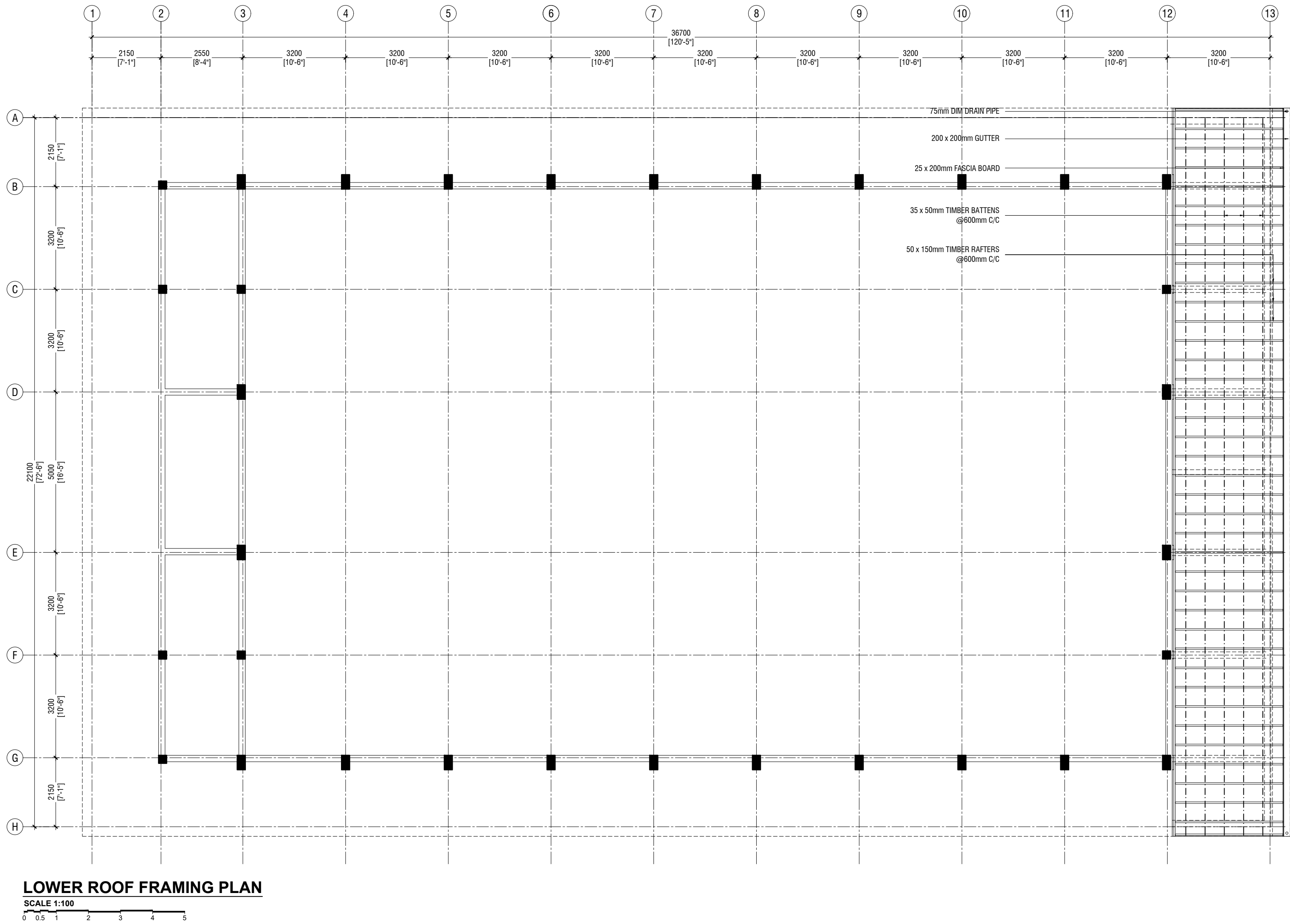
T: +960335049 F: +9603310776  
E: info@ryan.com.mv  
W: www.ryan.com.mv  
3rd Floor, H. Azumi, Ameeremogga, Male'

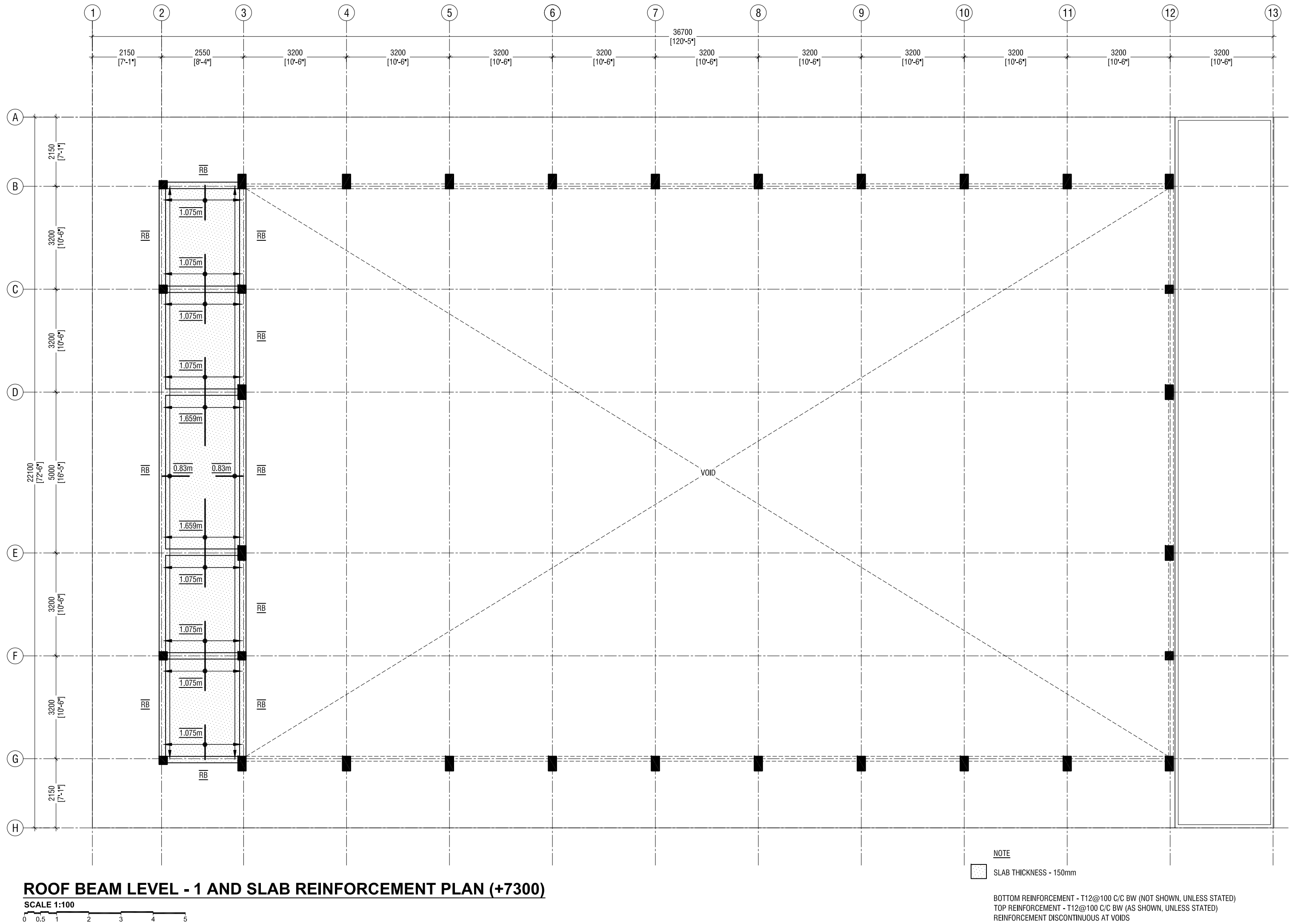
Title: 1st Floor Beam Plan

Page: S-04/11

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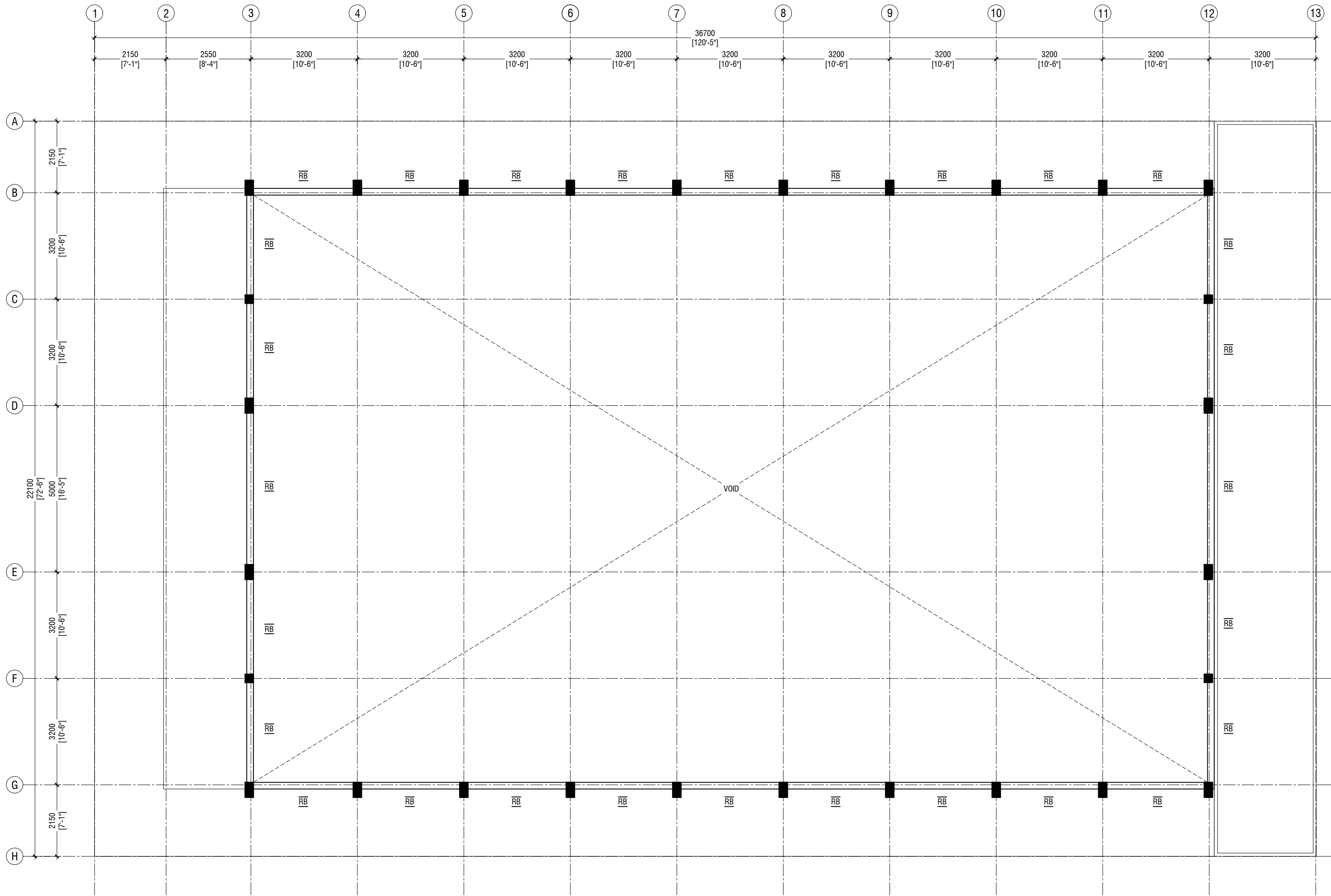




V.Keyodhoo School Hall  
Client: Ministry of Education

Rev no	Date
01	11 June 2019

Project Number: R/2017/02  
Date: June 2019  
Architect: Razana Amir  
Engineer: Ahmed Zuhail Zaeem  
Surveyor: Razana Amir  
Services: Ahsan Ahmed  
Interior: -



ROOF BEAM LEVEL - 2 PLAN (+8200)

SCALE 1:100  
0 0.5 1 2 3 4 5

NOTE:

COLUMN SIZES

C1 : 250 x 250 mm  
C2 : 250 x 450 mm  
COVER : 35-40mm

BEAM SIZES

B1 : 200x425 mm  
B2 : 200x350 mm  
RB : 200x300 mm  
COVER : 35mm

MIX RATIO = 1:2:3 ( CEMENT : SAND : AGGREGATE )

V Keyodhoo School Hall  
Client: Ministry of Education

Rev no	Date
01	11 June 2019
02	11 June 2019
03	11 June 2019

Project Number: RI/2017/012  
Client: Ministry of Education  
Architect: Razana Amir  
Engineer: Ahmed Z. J. Al-Zaim  
Drawn by: Razana Amir  
Services: Al-Fatih Ahmed  
Inspector: Al-Fatih Ahmed



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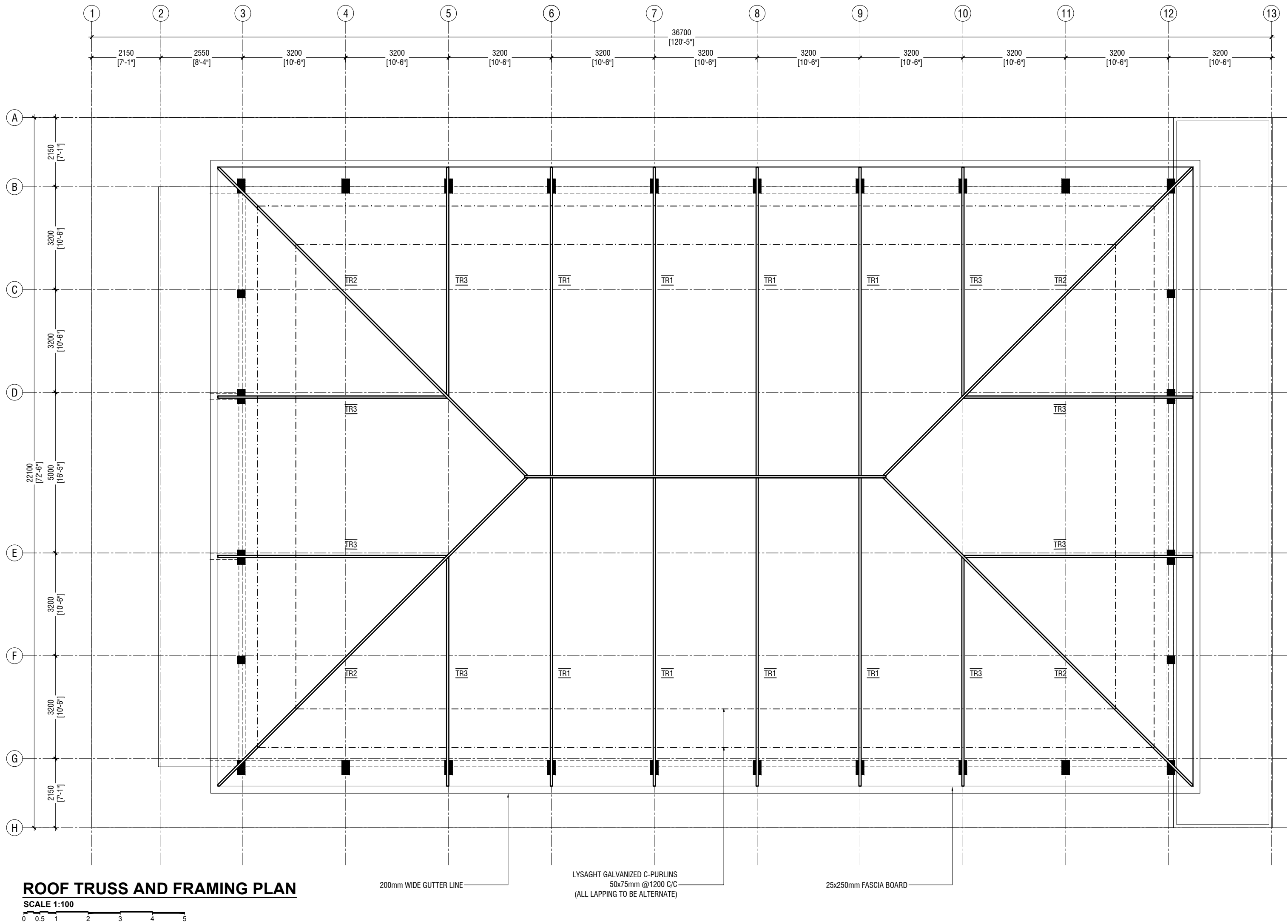
T: +960335049 F: +9603310776  
E: info@ryan.com.mv  
W: www.ryan.com.mv  
3rd Floor, H. Azumi, Amereemogga, Male

Title: Roof Beam Level - 2 P  
Plan

Page: S-08/11

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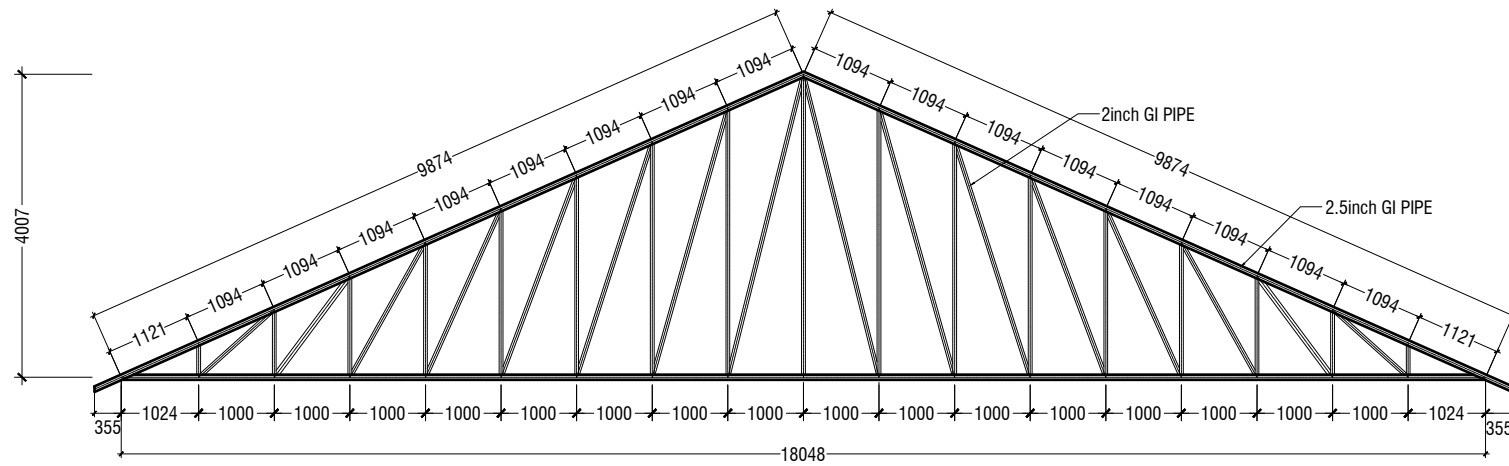


V Keyodhoo School Hall  
Client: Ministry of Education

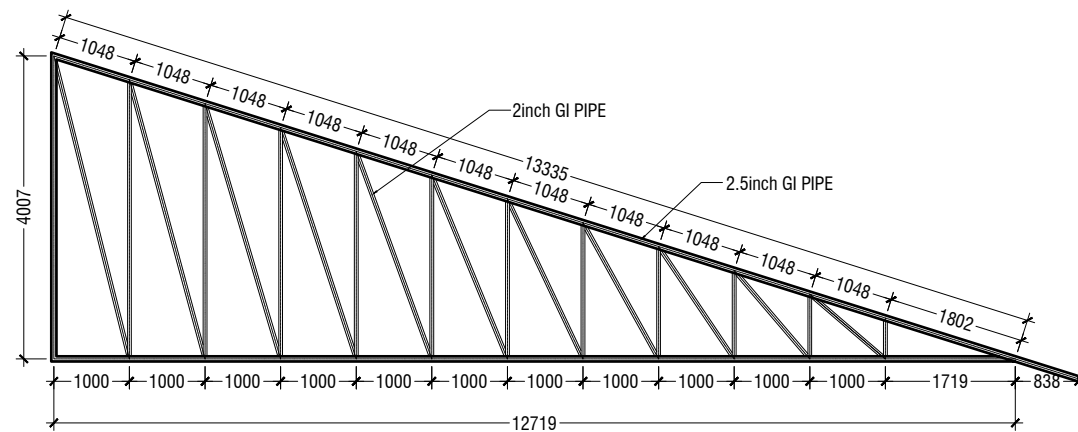
Project Number: RI/2017/012  
Architect: Razana Amir  
Engineer: Ahmed Z. J. Al-Zaim  
Drawn by: Razana Amir  
Services: Al-Fatih Ahmed  
Interior

Rev no	Date
01	11 June 2019
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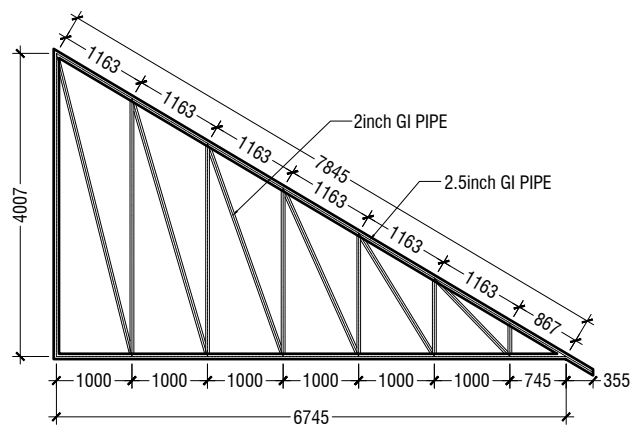
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**TRUSS TYPE TR1**

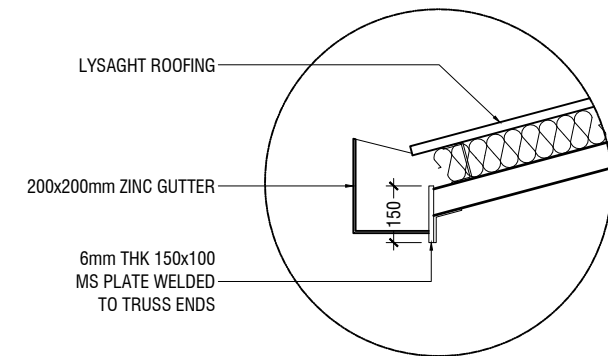
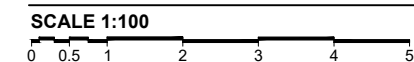


**TRUSS TYPE TR2**



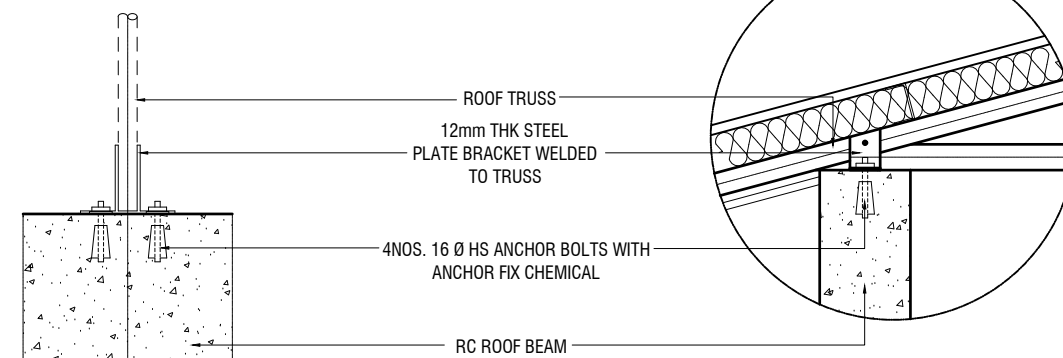
**TRUSS TYPE TR3**

**ROOF TRUSS DETAILS**



**GUTTER/FASCIA DETAIL**

SCALE 1:20



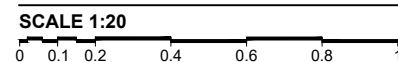
**ELEVATION**

SCALE 1:20

**SECTION**

SCALE 1:20

**TYPICAL TRUSS FIXING DETAILS**



V.Keyodhoo School Hall  
Client: Ministry of Education

Rev no	Date
01	11 June 2019
02	
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Project Number: RI/2017/012  
Date: June 2019  
Architect: Razana Amir  
Engineer: Ahmed Zuhair Zaeem  
Drawn by: Razana Amir  
Services: Alshath Ahmed  
Interior: -



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3rd floor, H. Azum, Ameenemagu, Male'

Title: Roof Truss Details

Page: S-10/11

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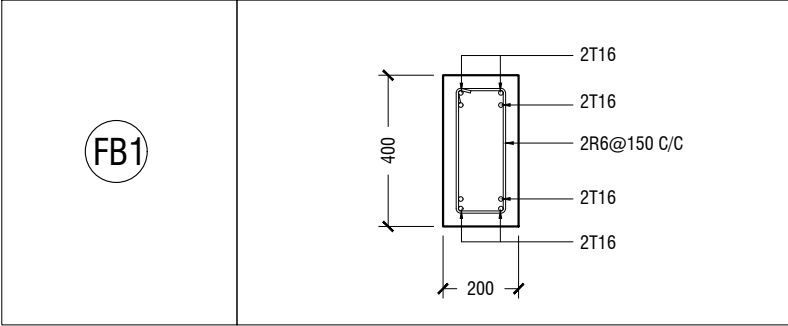
	DIMENSION	REINFORCEMENT
F1	750 x 750 x 250	T10@150 C/C B/W (B)
F2	900 x 900 x 300	T10@100 C/C B/W (B)

FOUNDATION DEPTH = 1200mm

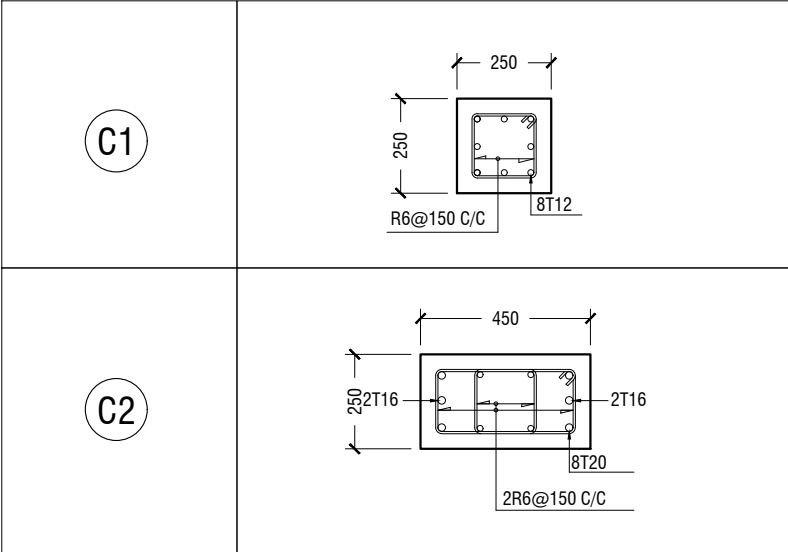
NOTE:-  
COVER TO FOUNDATION = 50mm  
COVER TO COLUMNS = 35-40mm  
COVER TO BEAMS = 35mm  
LAPS = Ø OF BAR x 45  
BEAMS @END SUPPORT = Ø OF BAR x 12

MIX RATIO = 1:2:3 ( CEMENT : SAND : AGGREGATE )

FOUNDATION PADS

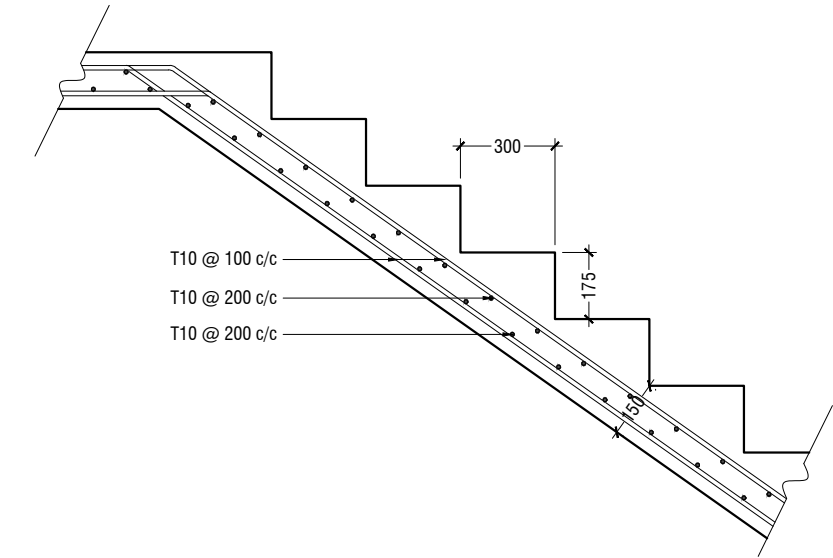


FOUNDATION DETAILS

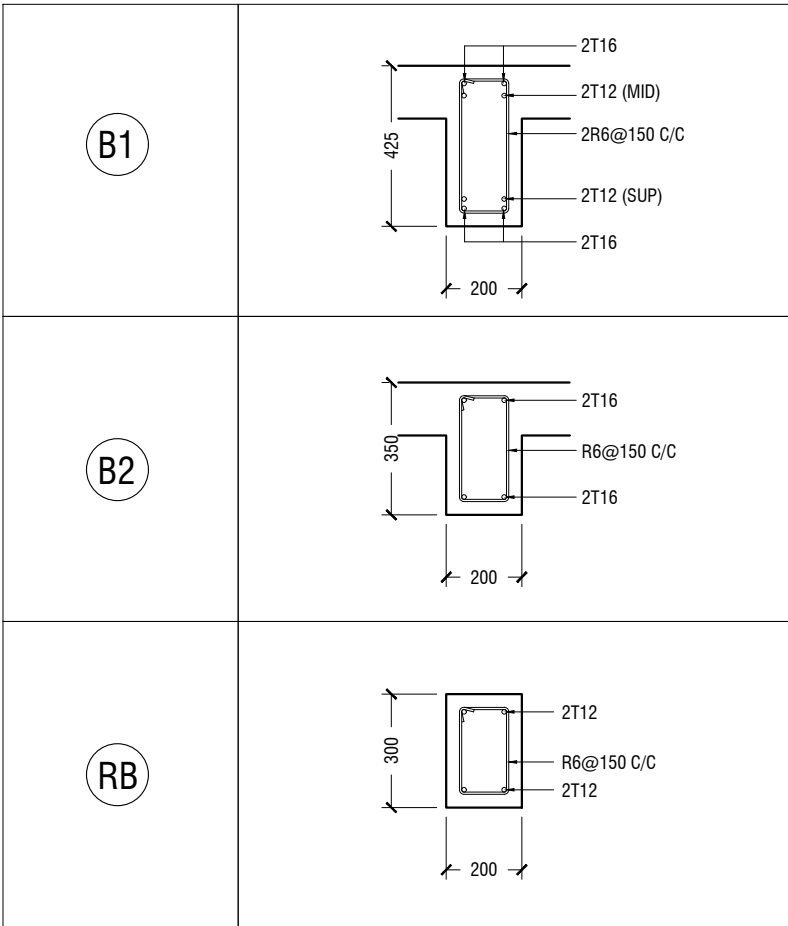


COLUMN DETAIL

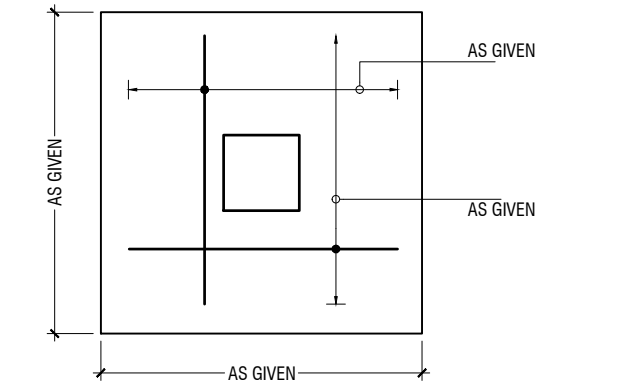
STRUCTURAL DETAILS



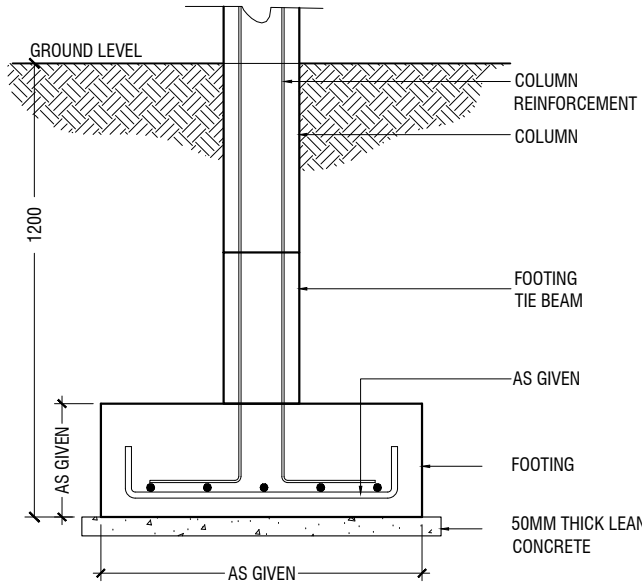
MAIN STAIRCASE REINFORCEMENT DETAIL



BEAM DETAIL



PLAN



SECTION

FOOTING DETAILS

V.Keyodhoo School Hall

Client: Ministry of Education

Project Number: RI/2017/012

Date: June 2019

Architect: Razana Amir

Engineer: Ahmed Zuhair Zaeem

Drawn by: Razana Amir

Interior: Alshah Ahmed

Rev no

Date

01

11 June 2019

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3rd floor, H. Azum, Ameerseemagu, Male'

Title: Structural Details

Page: S-11/11

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