

Proposed Multipurpose Hall Building at
Th.Guraidhoo School
Client: Ministry of Education



RIYAN PRIVATE LIMITED

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

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



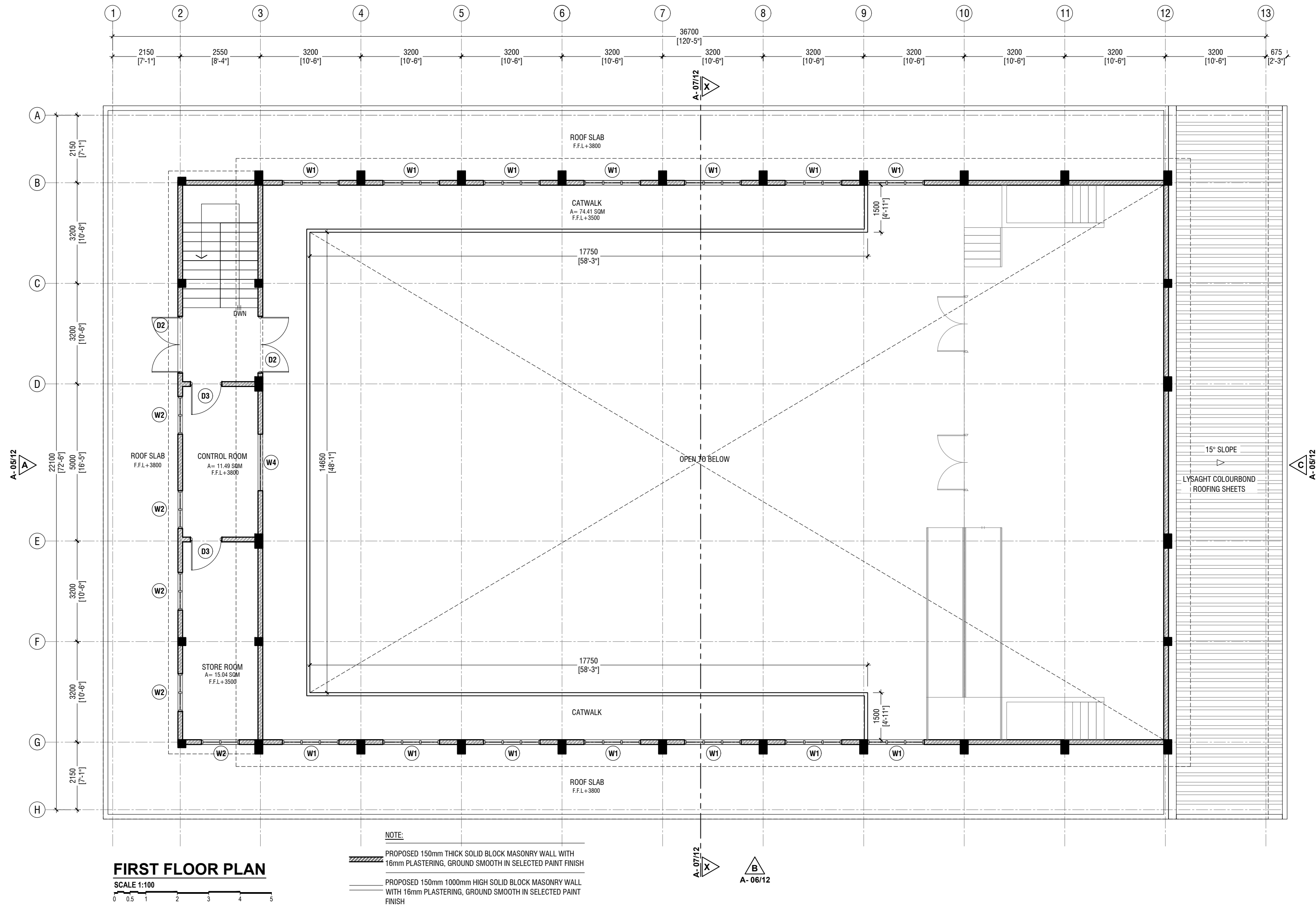
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3rd floor, H. Azum, Ameeneemogu, Male'

Title: Ground Floor Plan

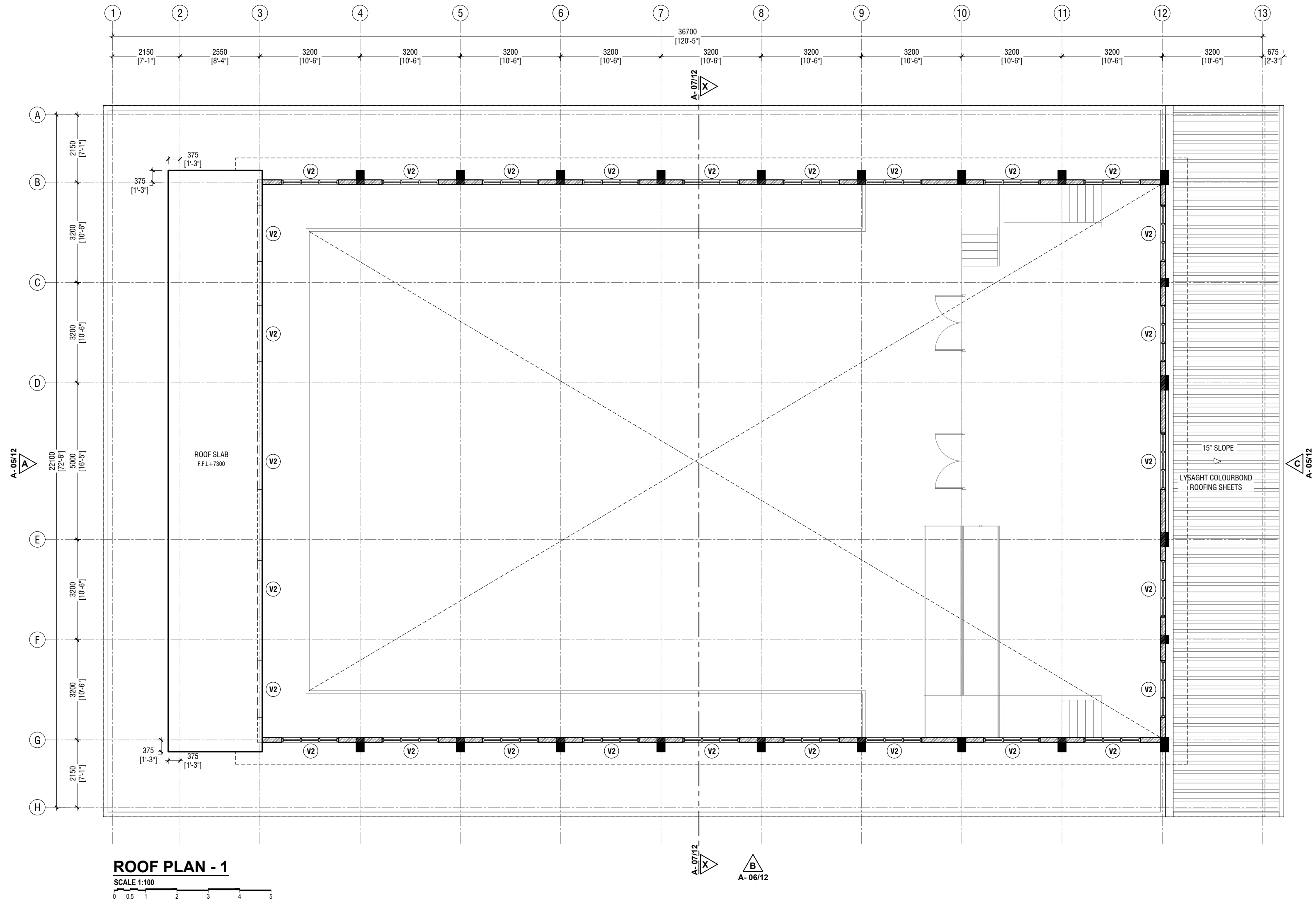
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Th. Guraidhoo School Hall
Client: Ministry of Education

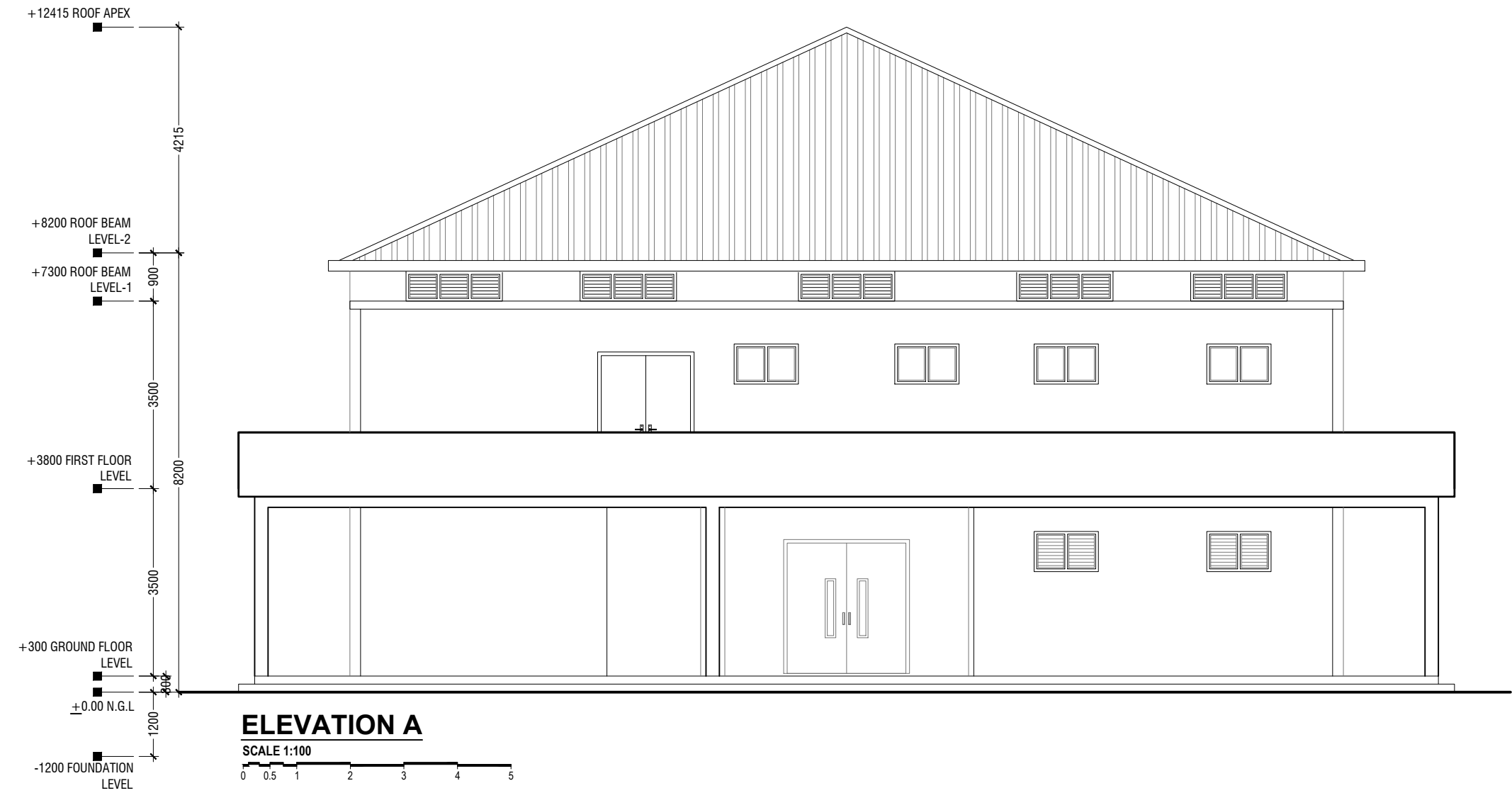
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Th. Guraidhoo School Hall
Client: Ministry of Education

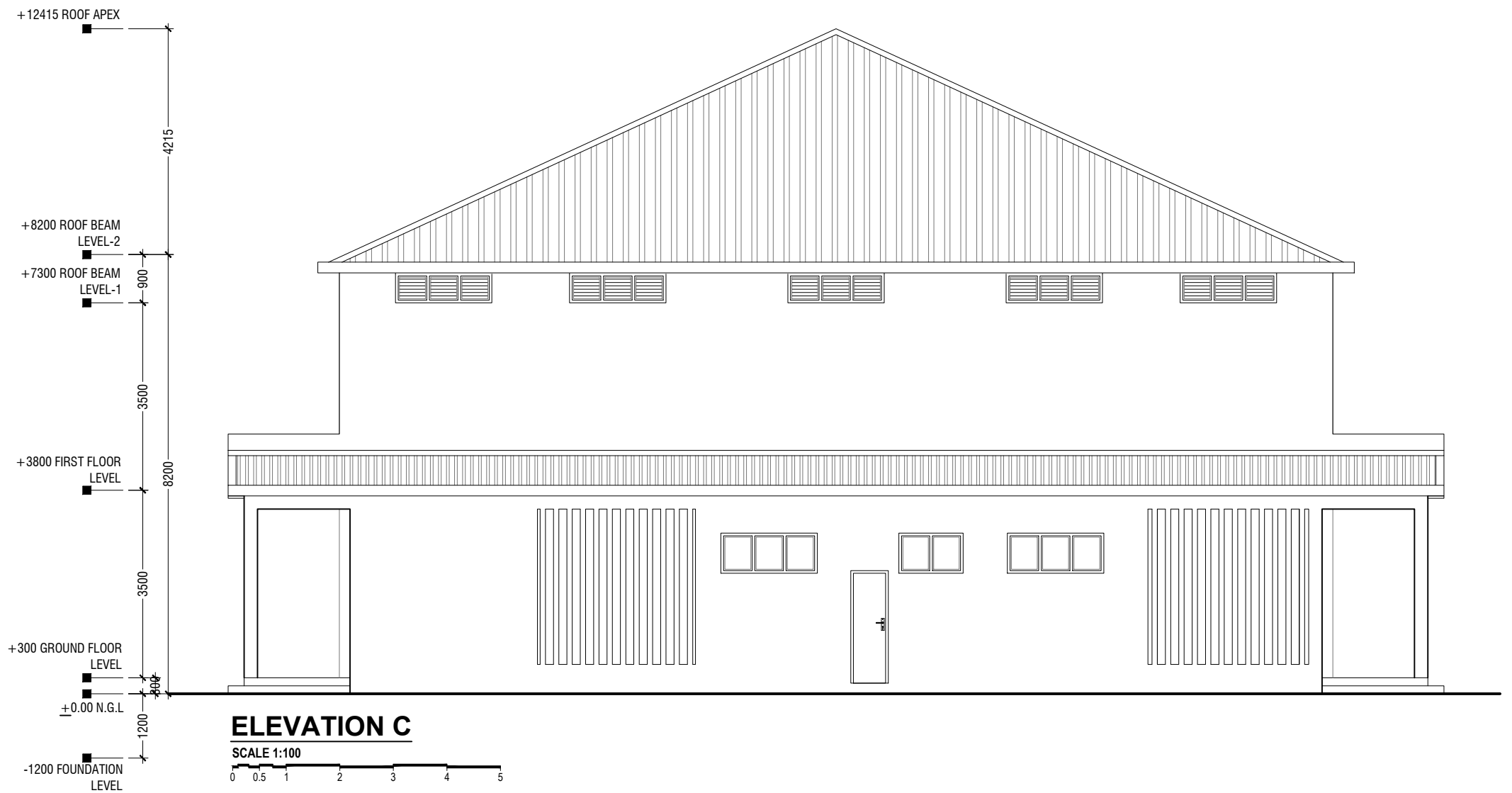
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ELEVATION A

SCALE 1:100



ELEVATION C

SCALE 1:100

Th.Guraidhoo School Hall
Client: Ministry of Education

Rev no	Date
1	2019
2	2020
3	2021
4	2022
5	2023
6	2024
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10	2028
11	2029
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Project Number: R/2017/012
Date: February 2019
Drawn by: Razaqat Amir
Engineer: Ahmed Z. J. Al-Zahrani
Services: Architectural
Interior

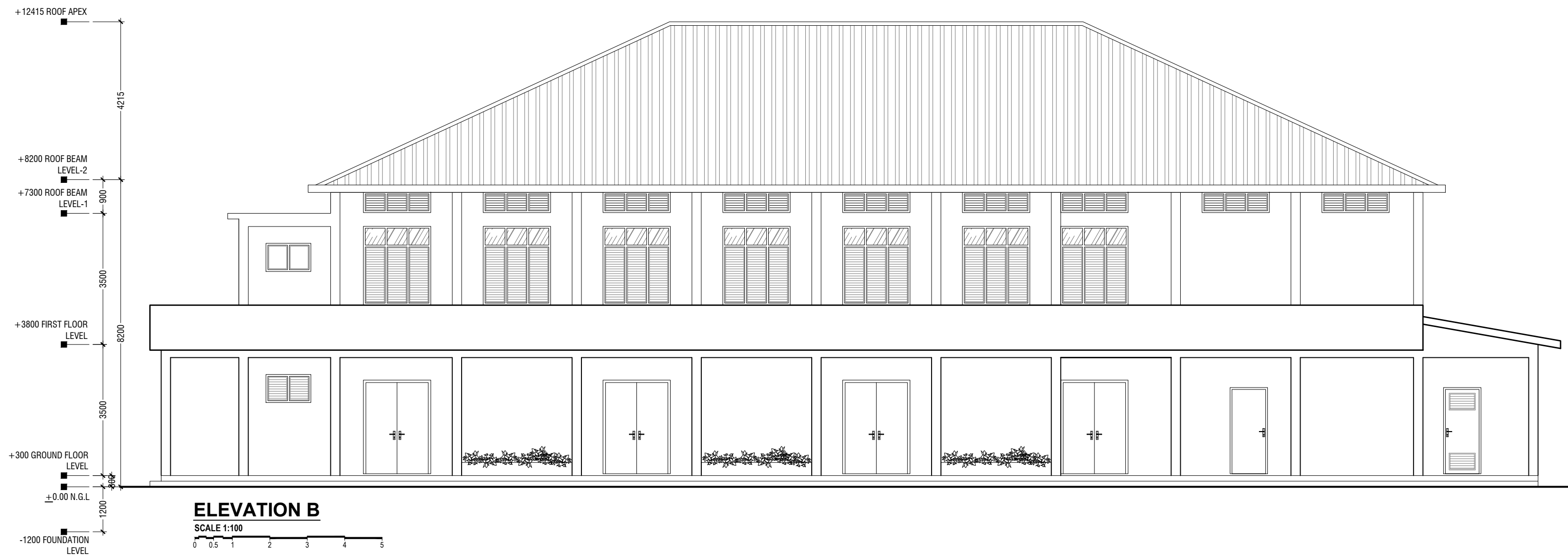


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Title: Elevation A & C

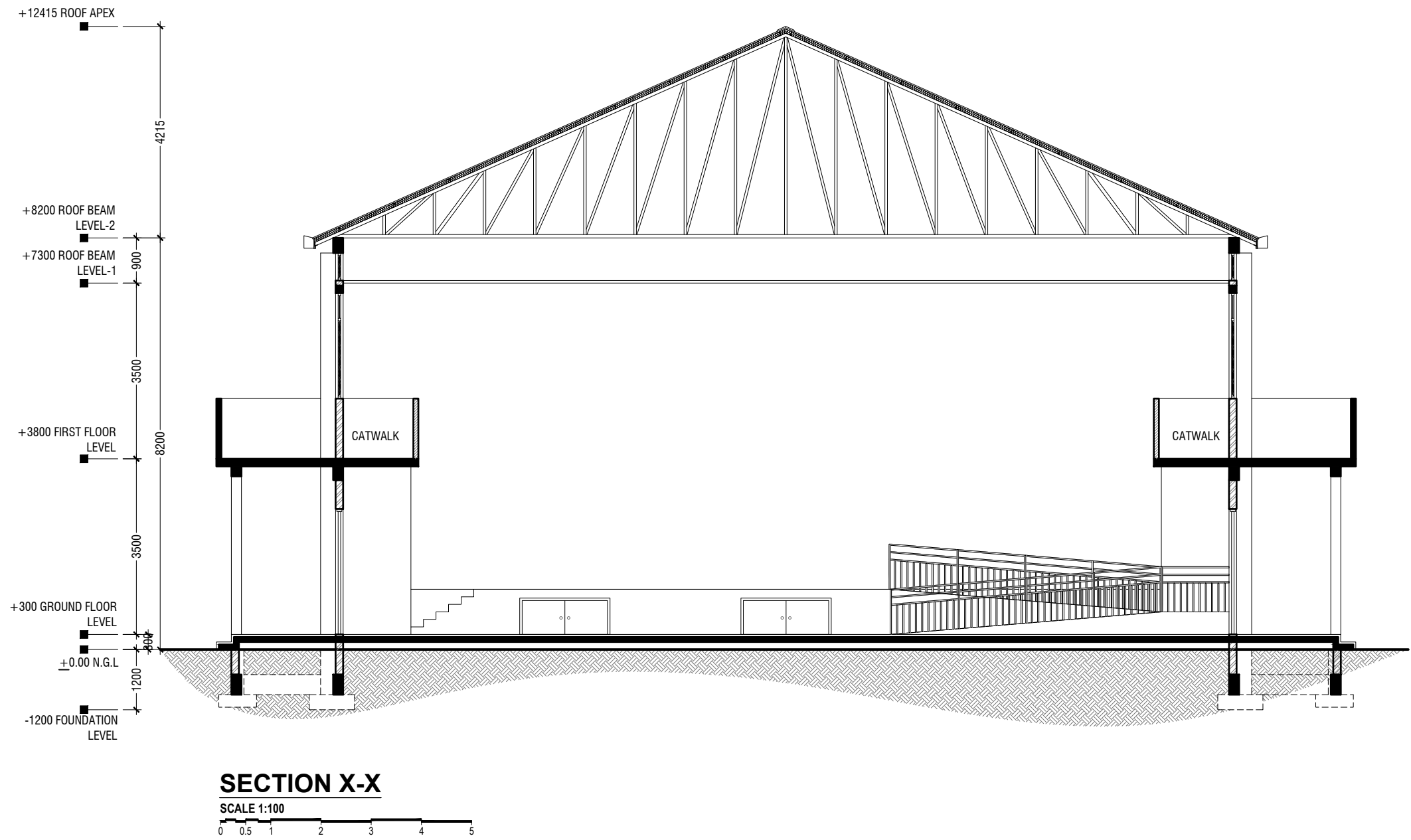
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Th.Guraidhoo School Hall
Client: Ministry of Education

Rev no	Date
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02	2020/02/02
03	2020/02/02
04	2020/02/02
05	2020/02/02
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Rev no	Date
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4	2019
5	2019

Project Number: RJ/2017/012
Date: February 2019
Drawn by: Razana Amir
Engineer: Ahmed Z. J. Al-Zahrani
Services: Al-Fatih Al-Fatih
Interior

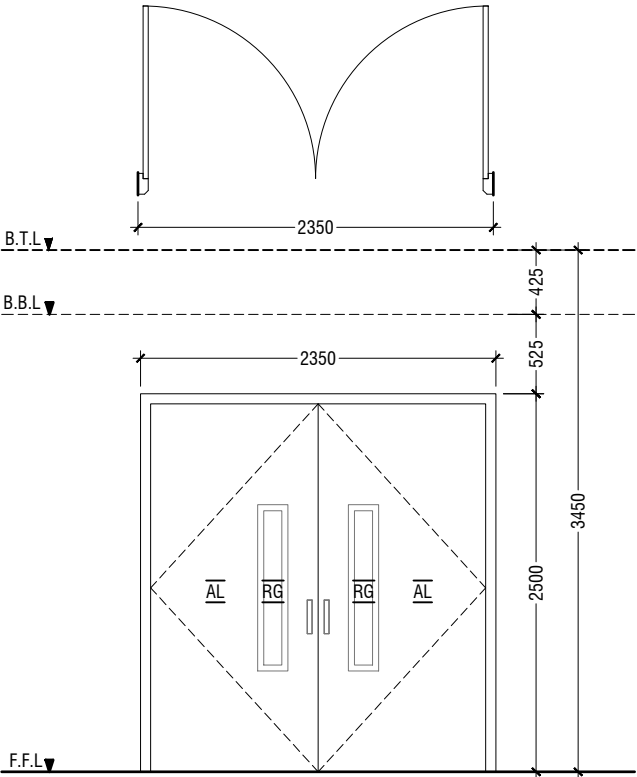


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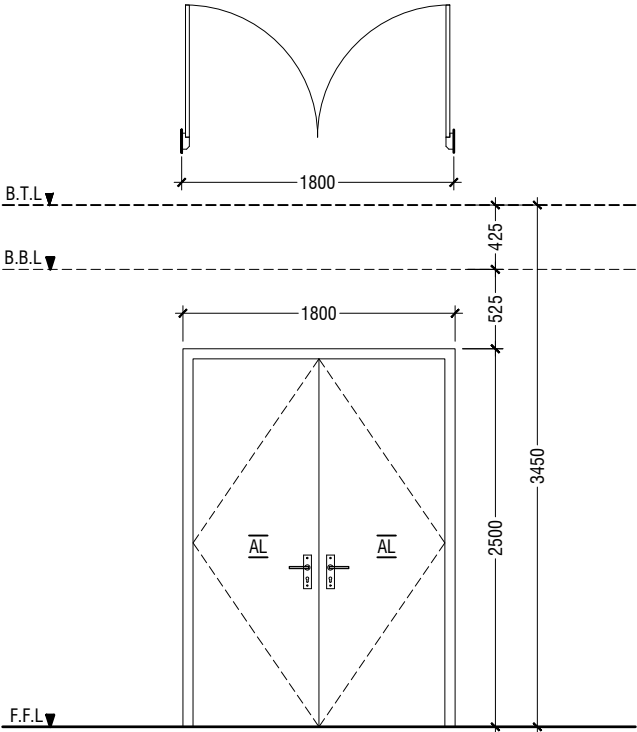
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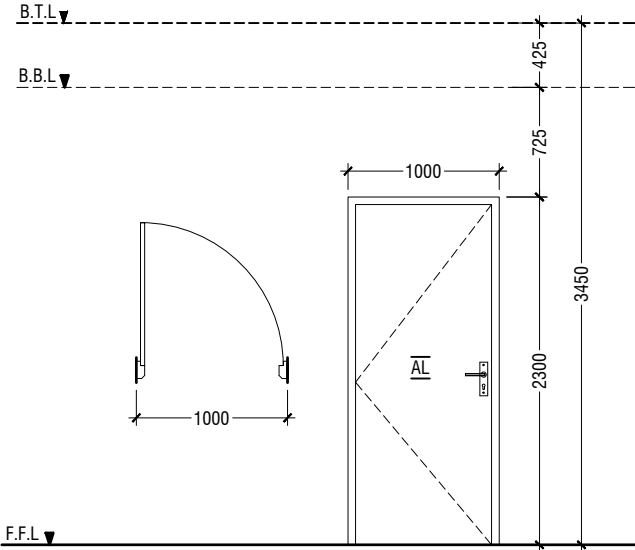
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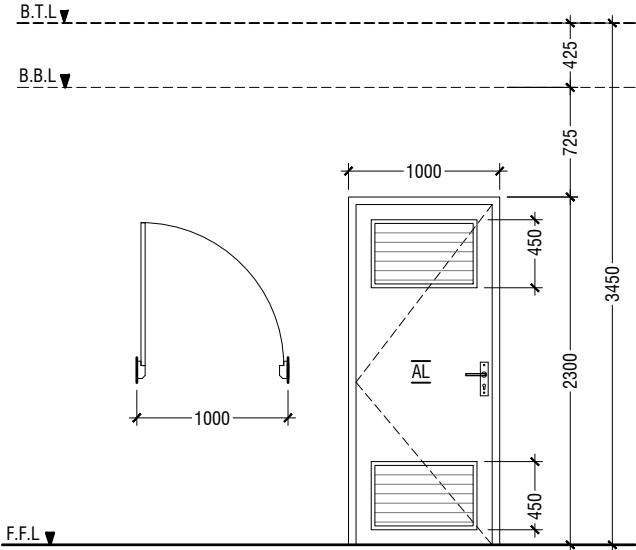
D1	DOUBLE SWING DOOR
REMARKS	FRAME & PANEL : 50mm THICK POWDER COATED (60 MICRONS) ALUMINUM FRAMED WITH ALUMINIUM PANEL GLASS ON PANEL : 6mm THK REFLECTIVE GLASS
LOCATION	HALL MAIN ENTRANCE
QUANTITY	01 NOS
OPEN AREA	5.39 sqm



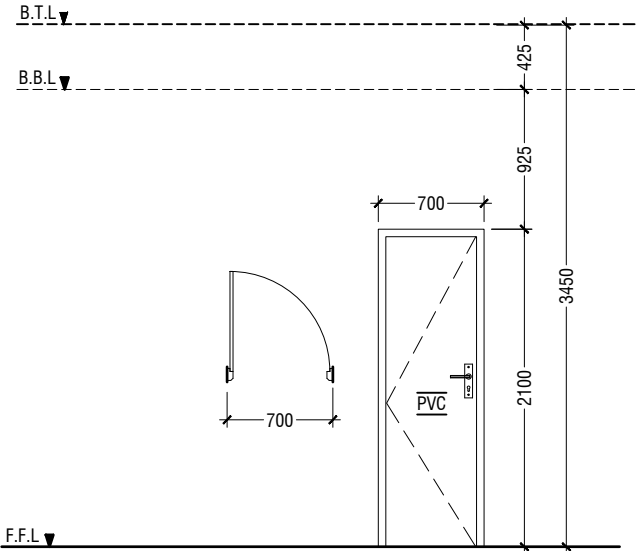
D2	DOUBLE SWING DOOR
REMARKS	50mm THICK POWDER COATED (60 MICRONS) ALUMINUM FRAMED WITH ALUMINIUM PANEL AND LOUVERS
LOCATION	HALL ENTRANCE
QUANTITY	10 NOS
OPEN AREA	4.05 sqm



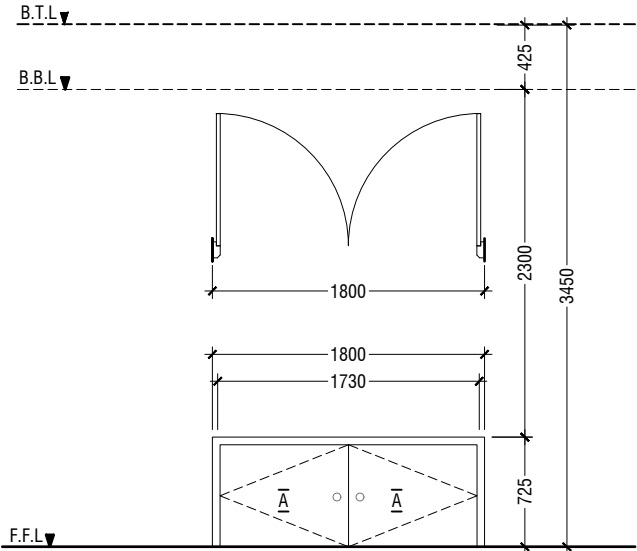
D3	SWING DOOR
REMARKS	50mm THICK POWDER COATED (60 MICRONS) ALUMINUM FRAMED WITH ALUMINIUM PANEL
LOCATION	STAGE, CONTROL ROOM & STORE ROOM
QUANTITY	05 NOS
OPEN AREA	2.03 sqm



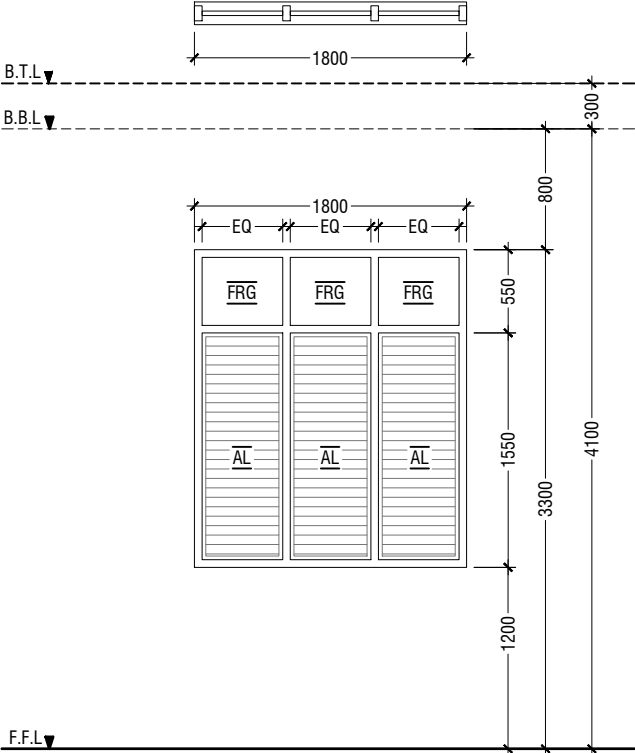
D4	SWING DOOR WITH ALUMINIUM LOUVERS
REMARKS	50mm THICK POWDER COATED (60 MICRONS) ALUMINUM FRAMED WITH ALUMINIUM PANEL AND LOUVERS
LOCATION	DISABLED TOILET
QUANTITY	01 NOS
OPEN AREA	2.03 sqm



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



D6	DOUBLE SWING DOOR
REMARKS	50mm THICK POWDER COATED (60 MICRONS) ALUMINUM FRAMED WITH ALUMINIUM PANEL
LOCATION	STAGE STORE ACCESS
QUANTITY	02 NOS
OPEN AREA	2.64 SQM



W1	WINDOW WITH FIXED GLASS & ALUMINUM LOUVERS
REMARKS	FRAME: 25MM THK POWDER COATED (60 MICRONS) ALUMINUM PANEL: POWDER COATED (60 MICRONS) ALUMINUM PANEL WITH FIXED REFLECTED GLASS
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

Th.Guraidhoo School Hall
Client: Ministry of Education

Project Number: RI/2017/012	Rev no	Date
Date: February 2019	--	-----
Architect: Razana Amir	--	-----
Engineer: Ahmed Zuhail Zaeem	--	-----
Drawn by: Razana Amir	--	-----
Services: Aishath Ahmed	--	-----
Interior: -	--	-----

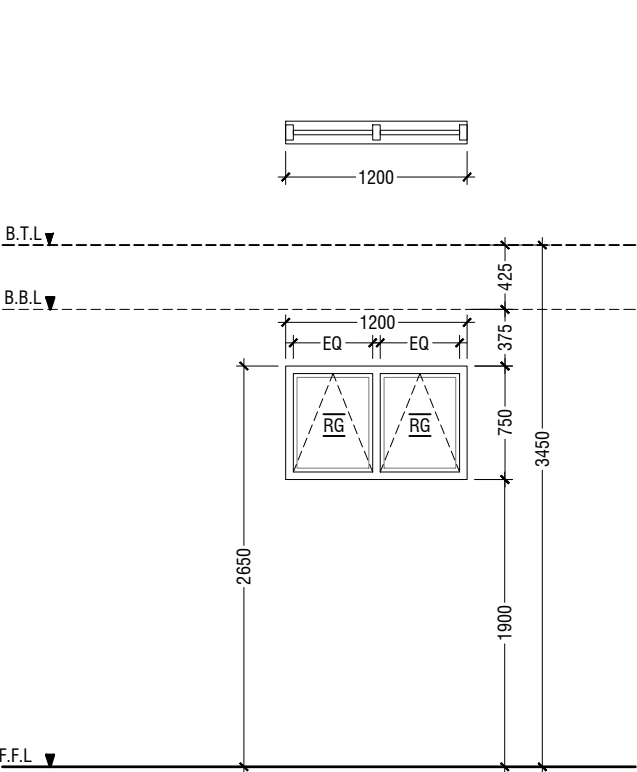


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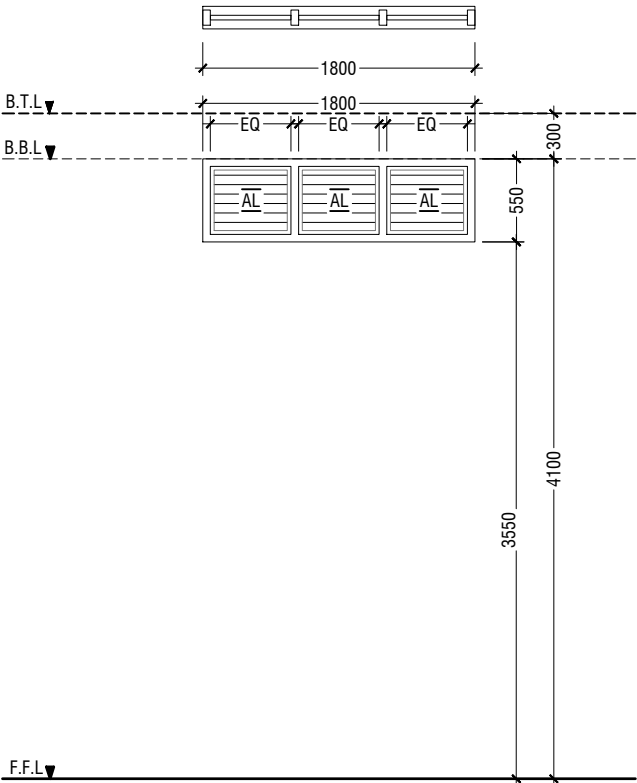
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Title: Door / Window
Schedule - 1

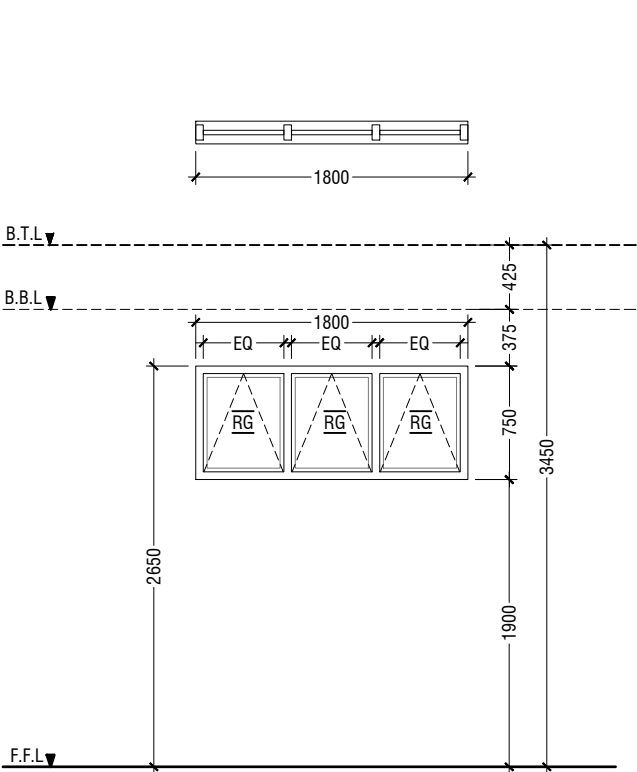
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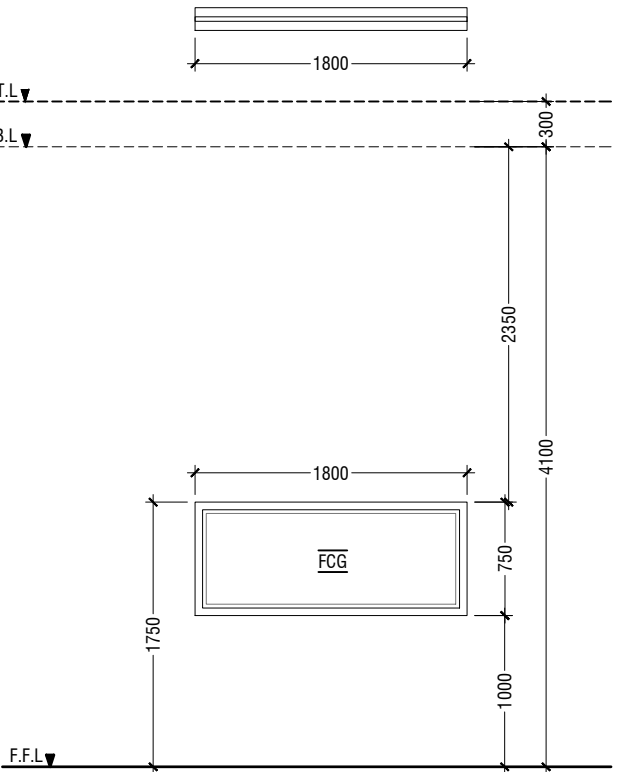
W2	TOP HUNG WINDOW
REMARKS	50mm THICK POWDER COATED (60 MICRONS) ALUMINUM FRAMED WINDOW WITH REFLECTIVE GLASS
LOCATION	STORE ROOM
QUANTITY	06 NOS
OPEN AREA	0.68 sqm



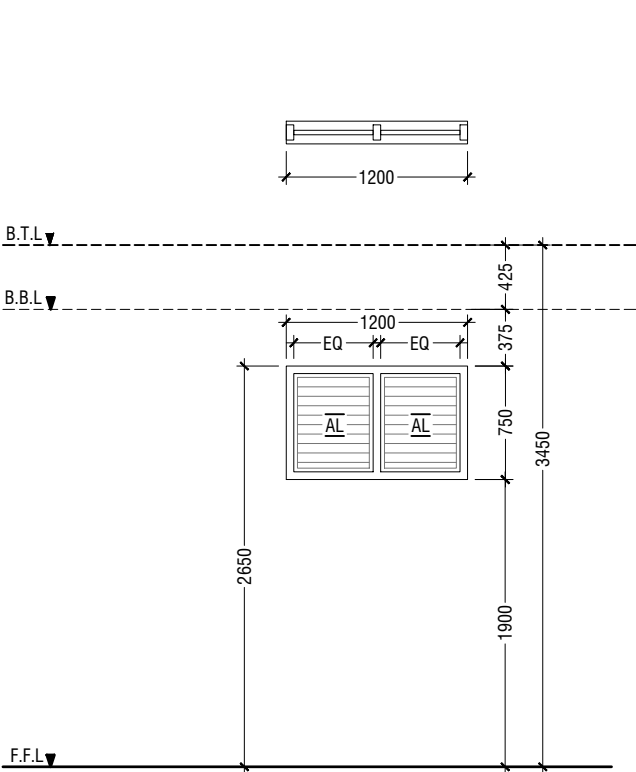
V2	WINDOW WITH FIXED GLASS & ALUMINIUM LOUVERS
REMARKS	50mm THICK POWDER COATED (60 MICRONS) ALUMINUM FRAMED WINDOW WITH ALUMINIUM LOUVERS
LOCATION	ABOVE HALL CEILING
QUANTITY	28 NOS
OPEN AREA	0.72 sqm



W3	TOP HUNG WINDOW
REMARKS	50mm THICK POWDER COATED (60 MICRONS) ALUMINUM FRAMED WINDOW WITH REFLECTIVE GLASS
LOCATION	CHANGING ROOMS
QUANTITY	02 NOS
OPEN AREA	1.04 sqm



W4	FIXED WINDOW
REMARKS	50mm THICK POWDER COATED (60 MICRONS) ALUMINUM FRAMED WINDOW WITH CLEAR GLASS PANEL
LOCATION	CONTROL ROOM
QUANTITY	01 NOS
OPEN AREA	- sqm



V1	WINDOW WITH ALUMINIUM LOUVERS
REMARKS	50mm THICK POWDER COATED (60 MICRONS) ALUMINUM FRAMED WINDOW WITH ALUMINIUM LOUVERS
LOCATION	ELECTRICAL ROOM
QUANTITY	03 NOS
OPEN AREA	0.68 sqm

SCHEDULE OF VENTILATION TH.GURAI DHOO SCHOOL

	Room name	Room Areas (sqm) (Specify centre to centre or clear)	Window (opening) number	Required opening areas (sqm)	Designed opening areas (sqm)	Open %
	Ground Floor					
1	Multi-purpose Hall	394.00	D1, 8*D2 & 14*W1	39.40	71.39	18.12%
2	Electrical	15.05	3*V1	1.51	2.04	13.55%
3	Changing Room -1	7.09	W3	0.71	1.04	14.67%
4	Changing Room -2	9.19	W3	0.92	1.04	11.32%
5	Store Room	7.09	D2 & W2	0.71	4.73	66.71%
6	Toilet for Disable	5.10	D4	0.51	2.03	39.80%
7	Toilet (Male)	13.01	RC FINS			
8	Toilet (Female)	9.22	RC FINS			
	First Floor					
9	Control Room	11.49	2*W2	1.15	1.36	11.84%
10	Store Room	15.04	3*W2	1.50	2.04	13.56%

VENTILATION SCHEDULE

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.
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- 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 - 2

SCALE 1:50
0 0.25 0.5 1 1.5 2 2.5

Th.Guraidhoo School Hall
Client: Ministry of Education

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

Rev no

Date



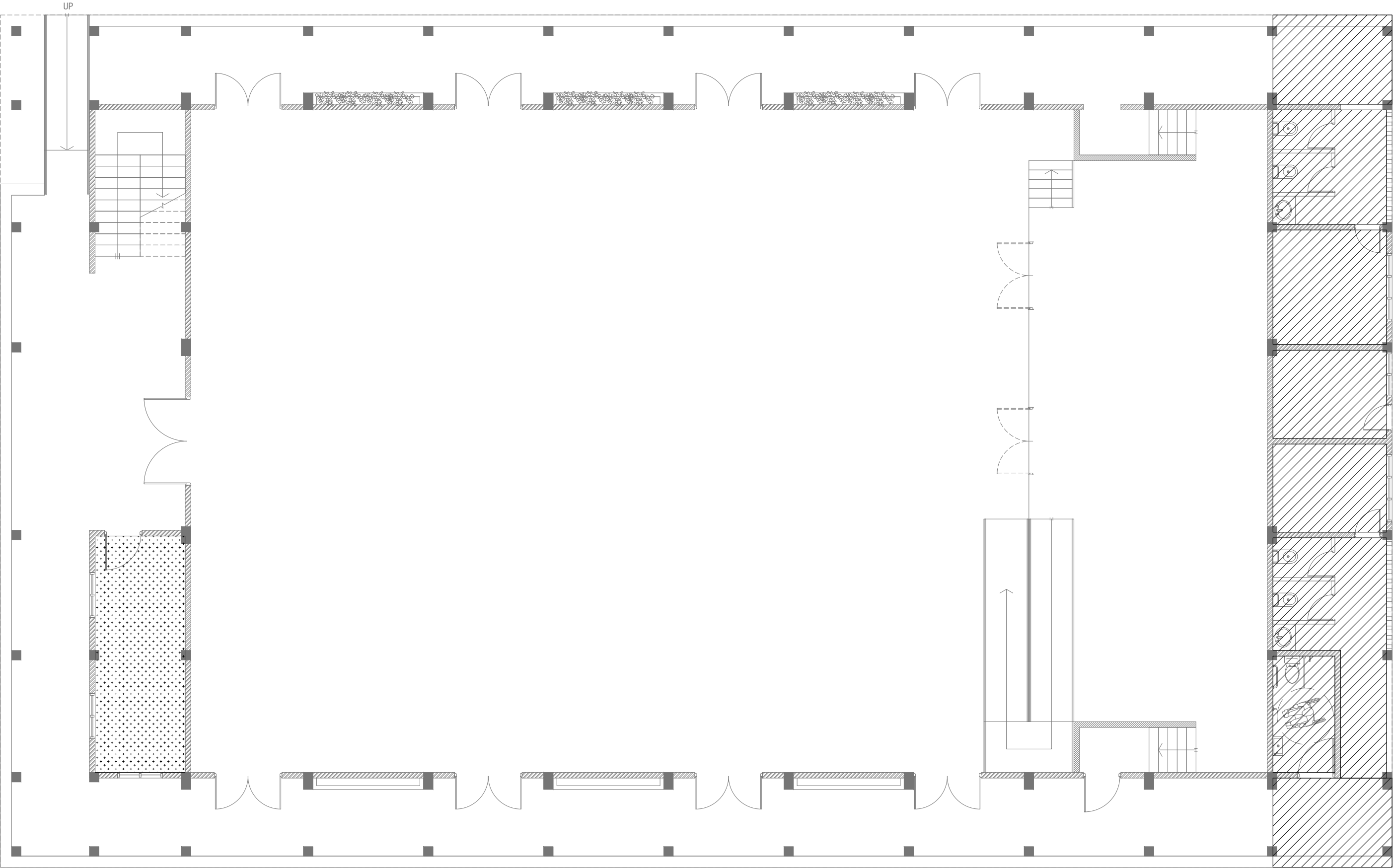
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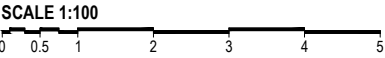
Title: Door / Window
Schedule - 2

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**GROUND FLOOR
REFLECTED CEILING PLAN**



LEGEND

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

Th.Guraidhoo School Hall
Client: Ministry of Education

Project Number: R/2017/012	Rev no	Date
Date: February 2019	--	-----
Architect : Razana Amir	--	-----
Engineer : Ahmed Zuhail Zaeem	--	-----
Drawn by : Razana Amir	--	-----
Services : Aishath Ahmed	--	-----
Interior : -	--	-----



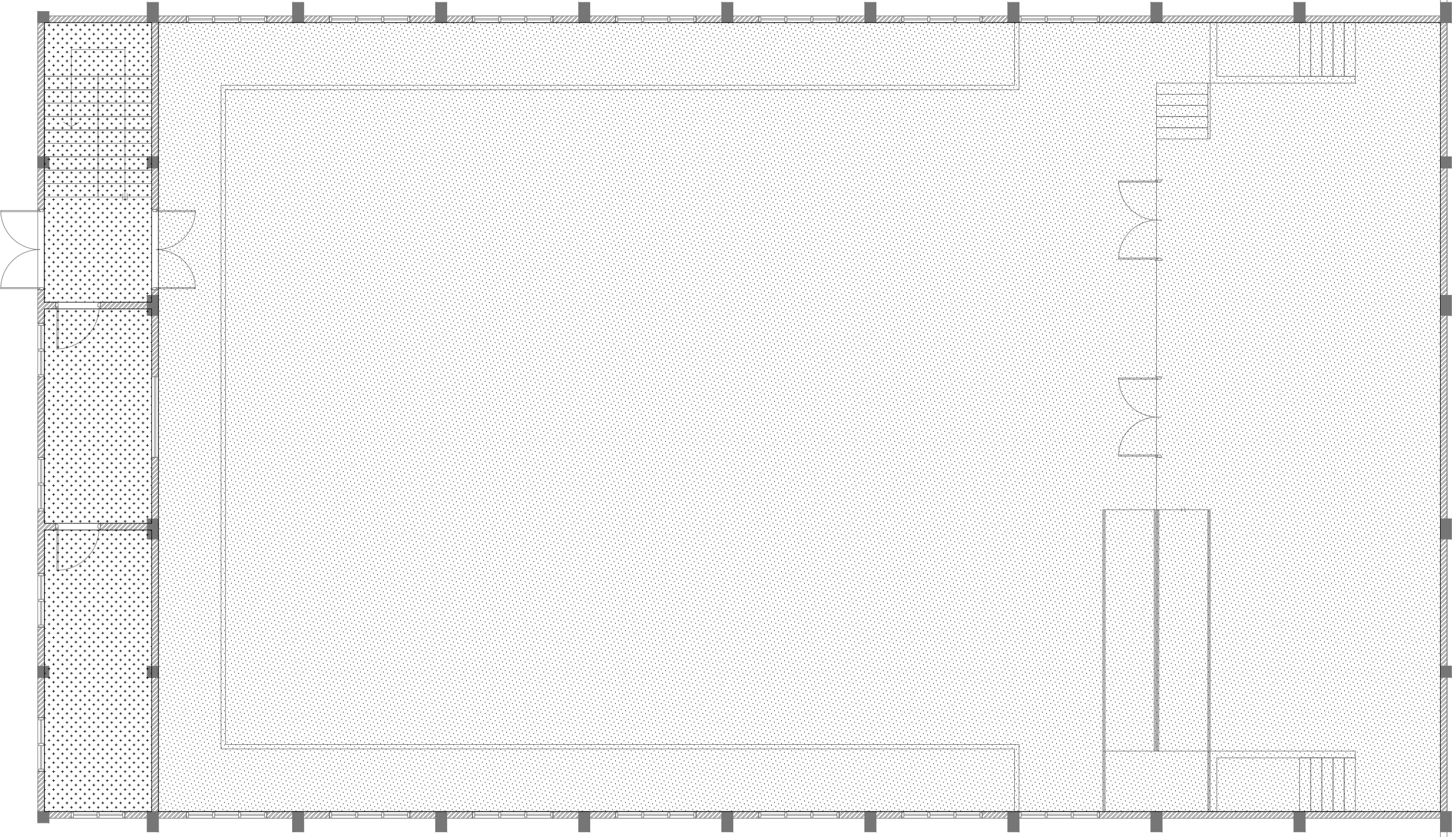
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Title: Door / Window
Schedule - 2

Page: A-10/19



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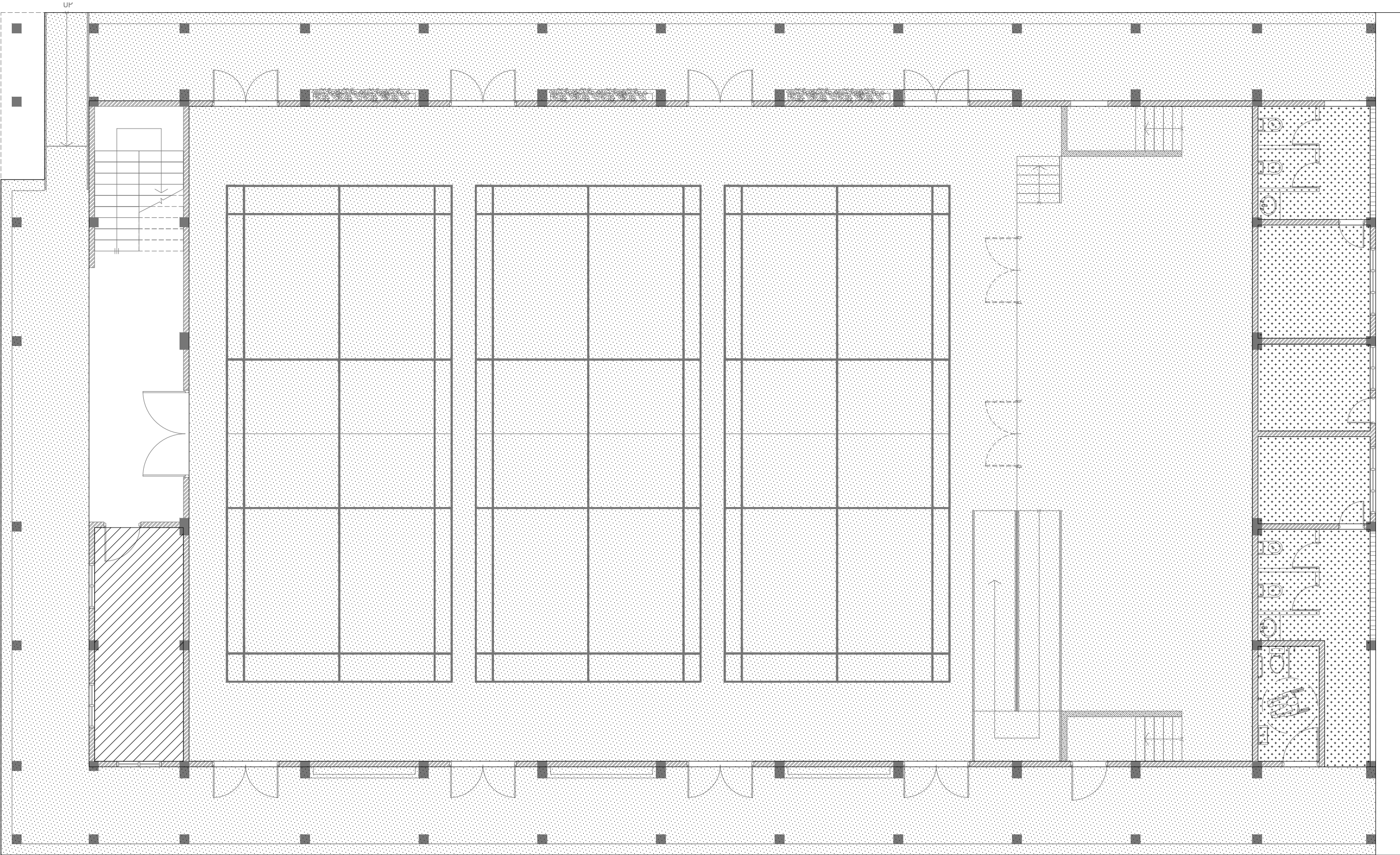


**FIRST FLOOR
REFLECTED CEILING PLAN**

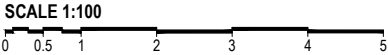
SCALE 1:100

0 0.5 1 2 3 4 5

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

Th.Guraidhoo School Hall
Client: Ministry of Education

Project Number: RI/2017/012	Rev no	Date
Date: February 2019	1	11/02/2019
Architect: Razana Amir	2	11/02/2019
Engineer: Ahmed Zuhair Zaeem	3	11/02/2019
Drawn by: Razana Amir	4	11/02/2019
Services: Aishath Ahmed	5	11/02/2019
Interior: -	6	11/02/2019



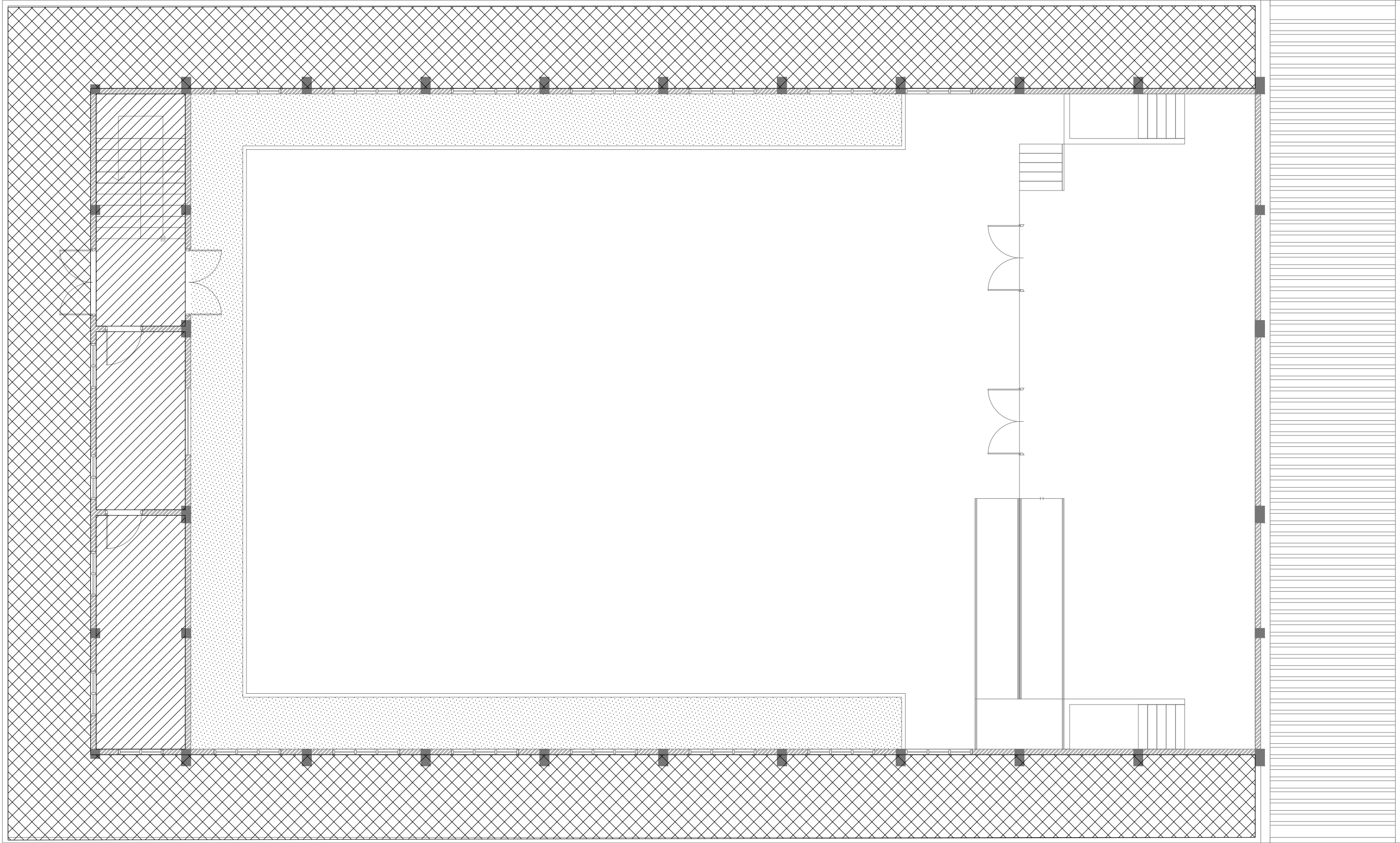
RIYAN PRIVATE LIMITED

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

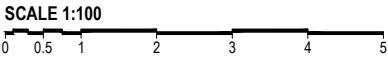
Title: Door / Window
Schedule - 2

Page: A-12/19


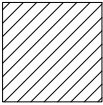
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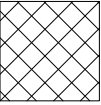


**FIRST FLOOR
FLOOR FINISHES PLAN**



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
---	--

Th.Guraidhoo School Hall
Client: Ministry of Education

Project Number: RI/2017/012	Rev no	Date
Date: February 2019	--	-----
Architect: Razana Amir	--	-----
Engineer: Ahmed Zuhail Zaeem	--	-----
Drawn by: Razana Amir	--	-----
Services: Aishath Ahmed	--	-----
Interior: -	--	-----



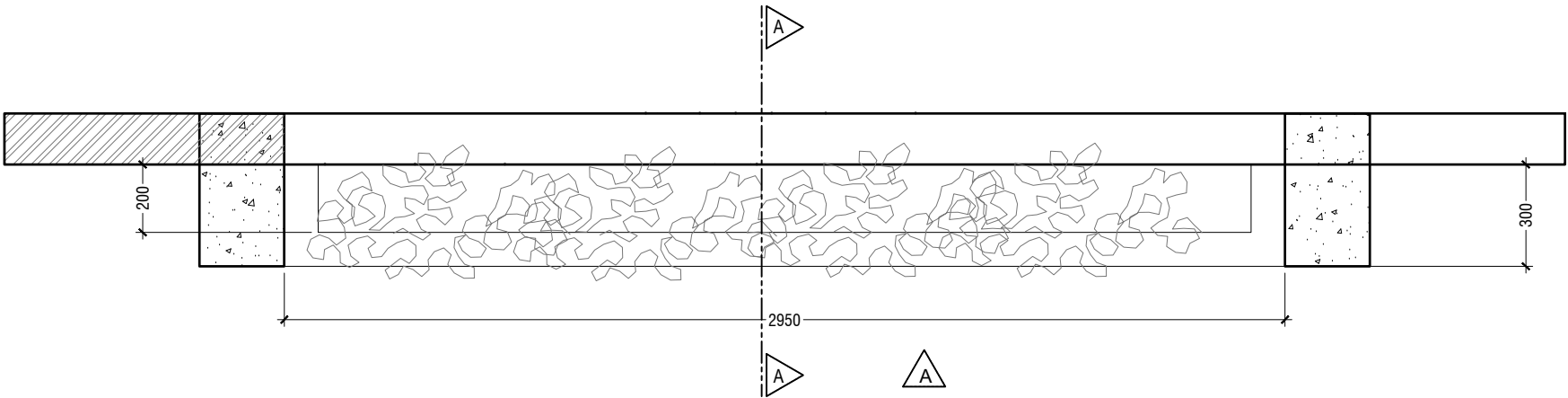
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3rd floor, H. Azum, Aneeneemaguu, Male'

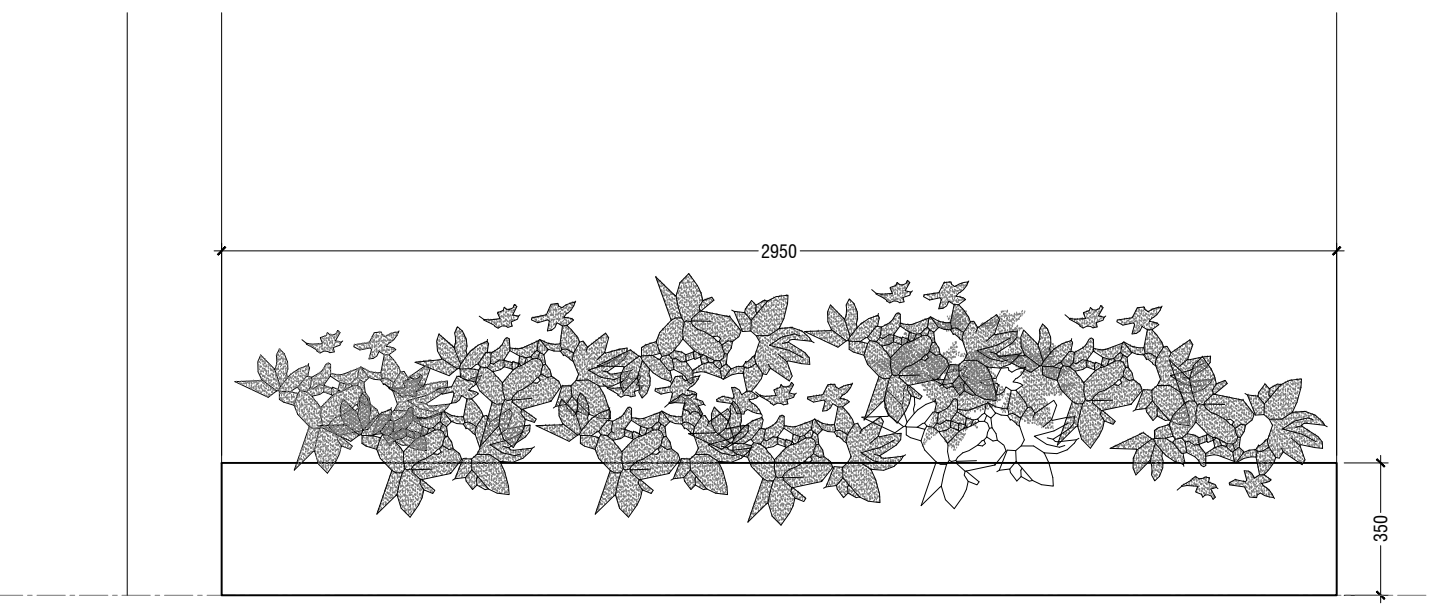
Title: Door / Window
Schedule - 2

Page: A-13/19

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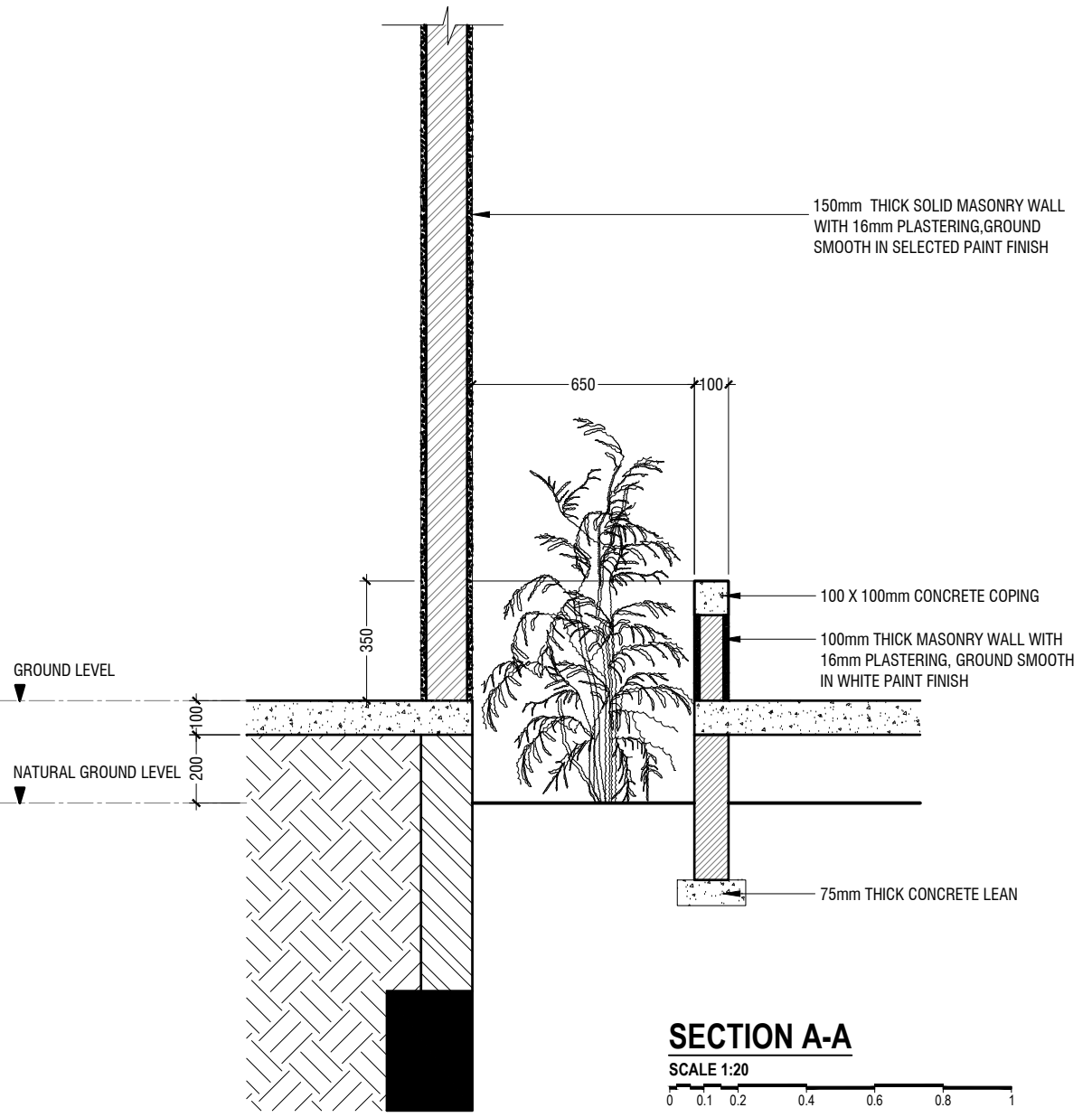


PLAN
SCALE 1:20

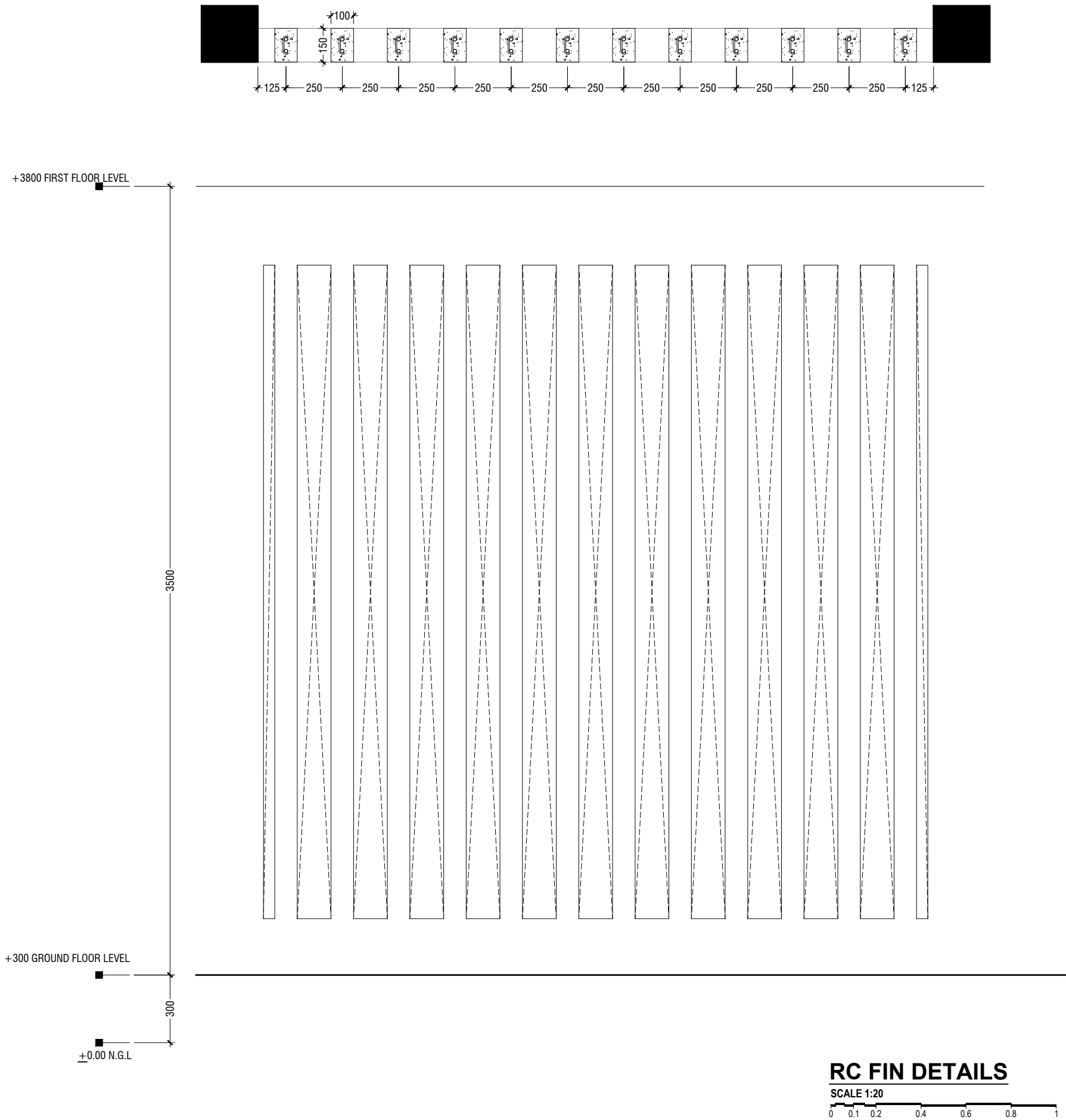


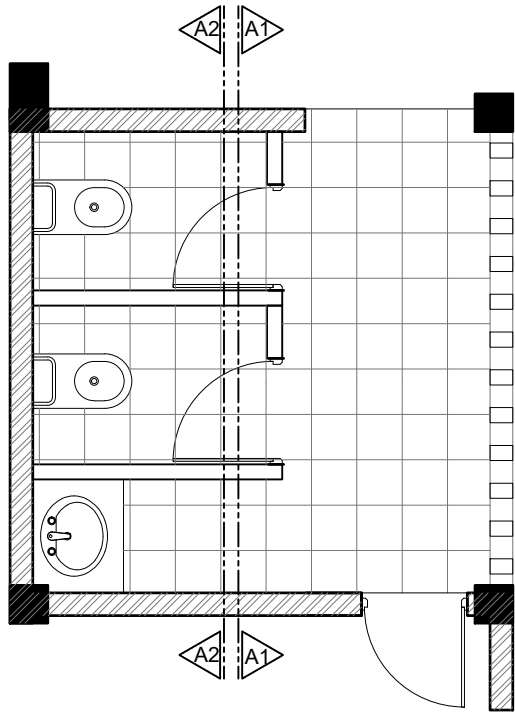
ELEVATION A
SCALE 1:20

PLANTER BOX DETAILS



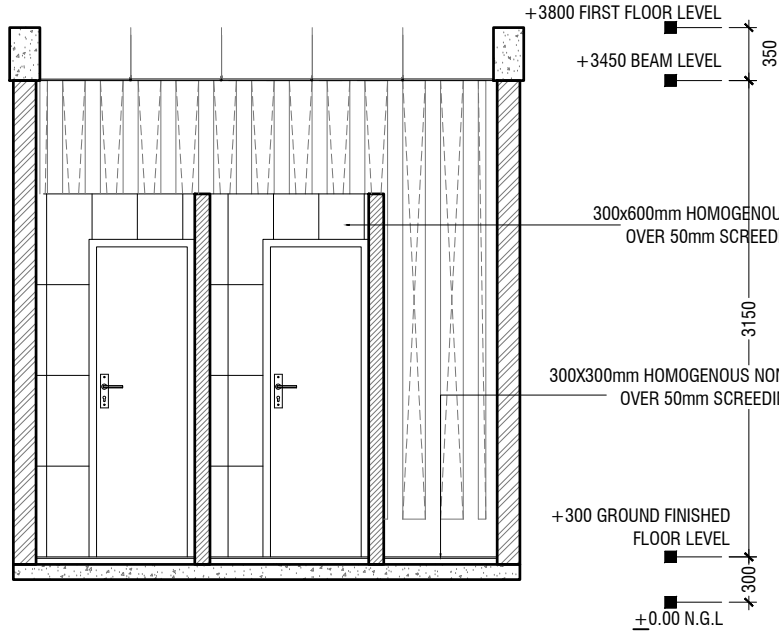
SECTION A-A
SCALE 1:20





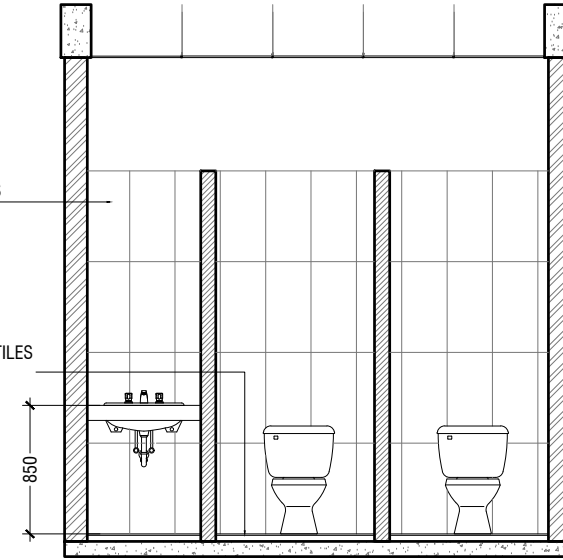
TYPICAL TOILET PLAN

SCALE 1:50
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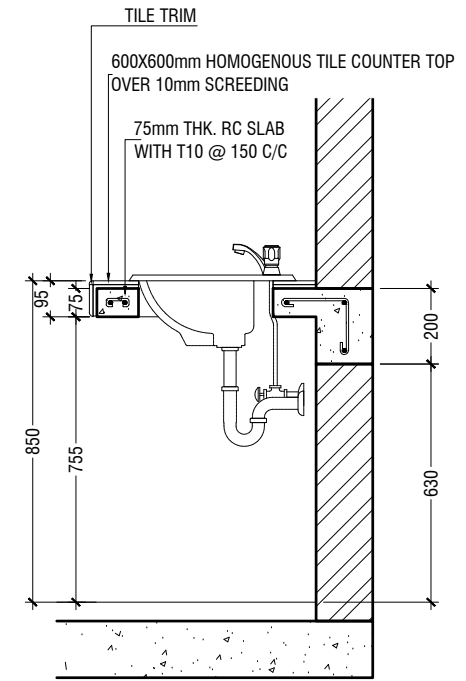
SECTION A1-A1

SCALE 1:50
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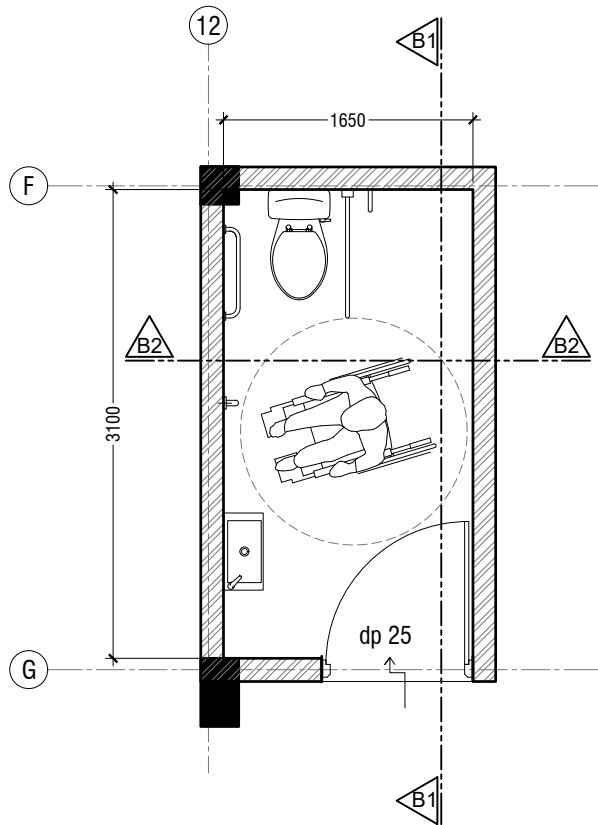
SECTION A2-A2

SCALE 1:50
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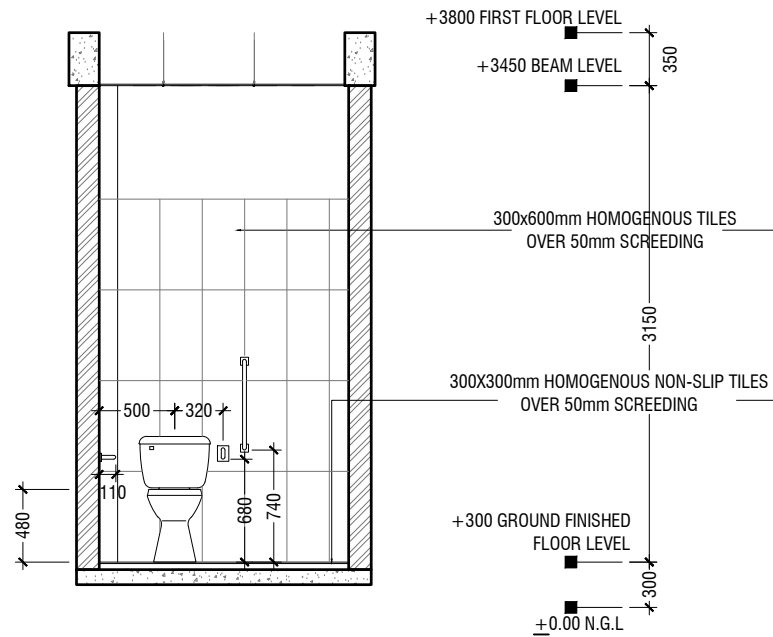
COUNTER TOP DETAILS

SCALE 1:20
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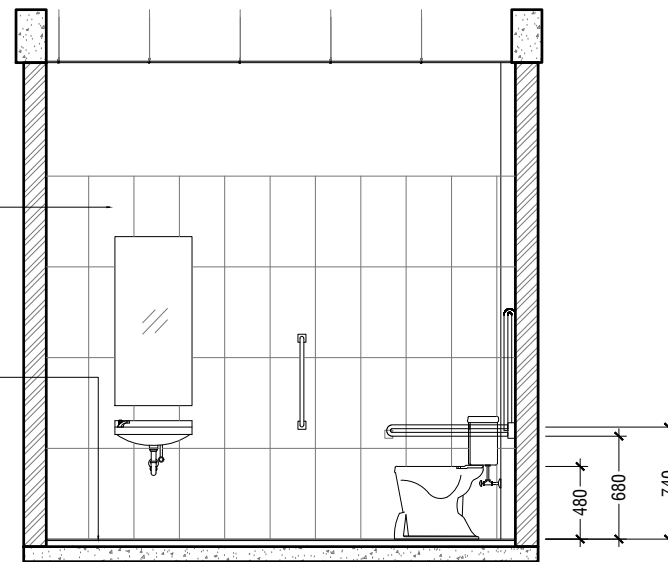
TOILET FOR PERSONS WITH DISABILITIES PLAN

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

Th.Guraidhoo School Hall
Client: Ministry of Education

Project Number: RI/2017/012
Date: February 2019
Architect: Razana Amir
Engineer: Ahmed Zuhail Zaeem
Drawn by: Razana Amir
Services: Aishath Ahmed
Interior:-

Rev no	Date
1	11/02/2019
2	11/02/2019
3	11/02/2019
4	11/02/2019



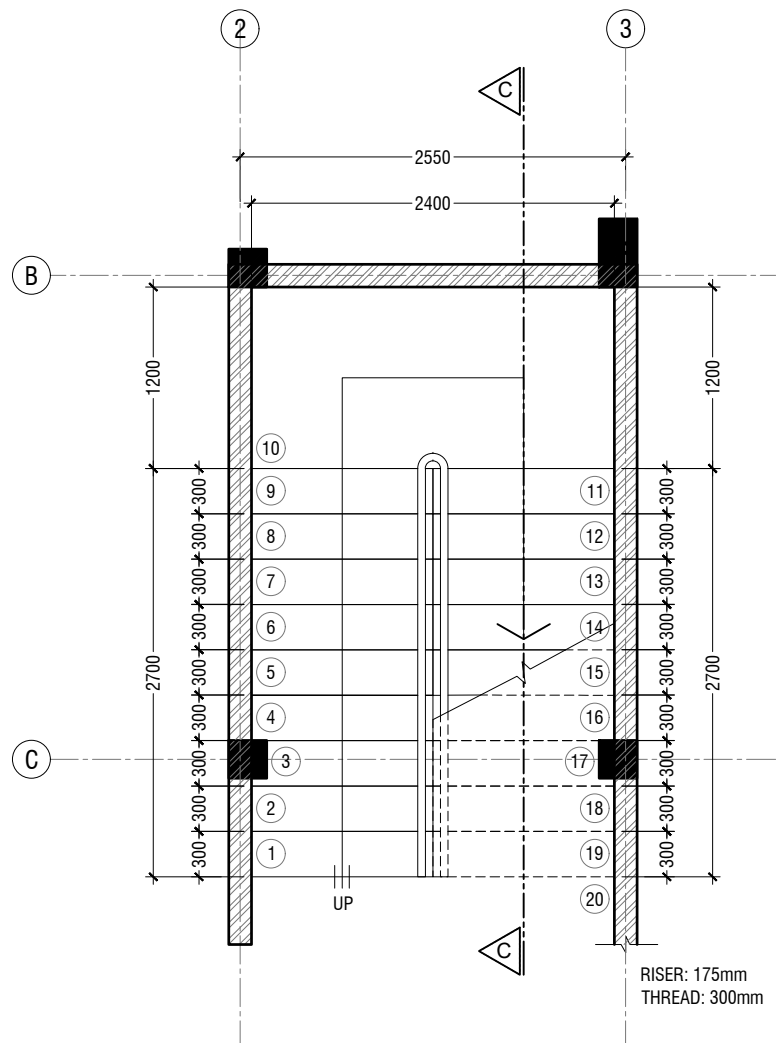
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3rd floor, H. Azum, Ameeesemagu, Male'

Title: Toilet details

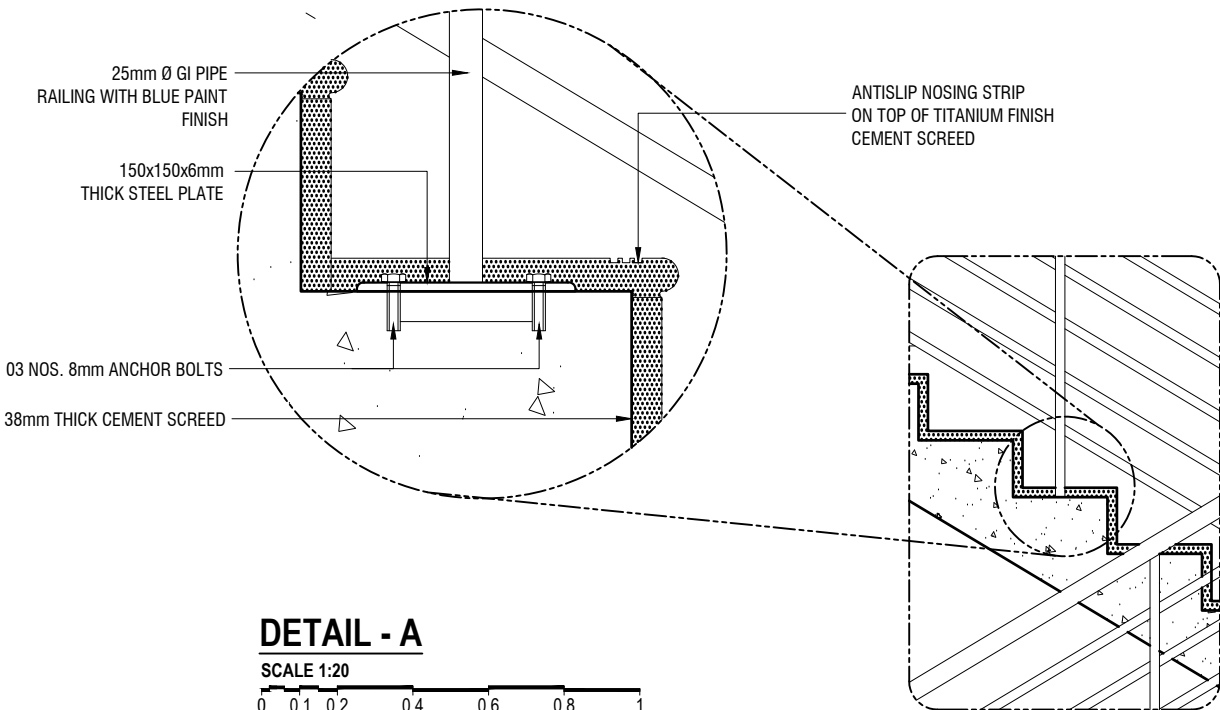
Page: A-16/19

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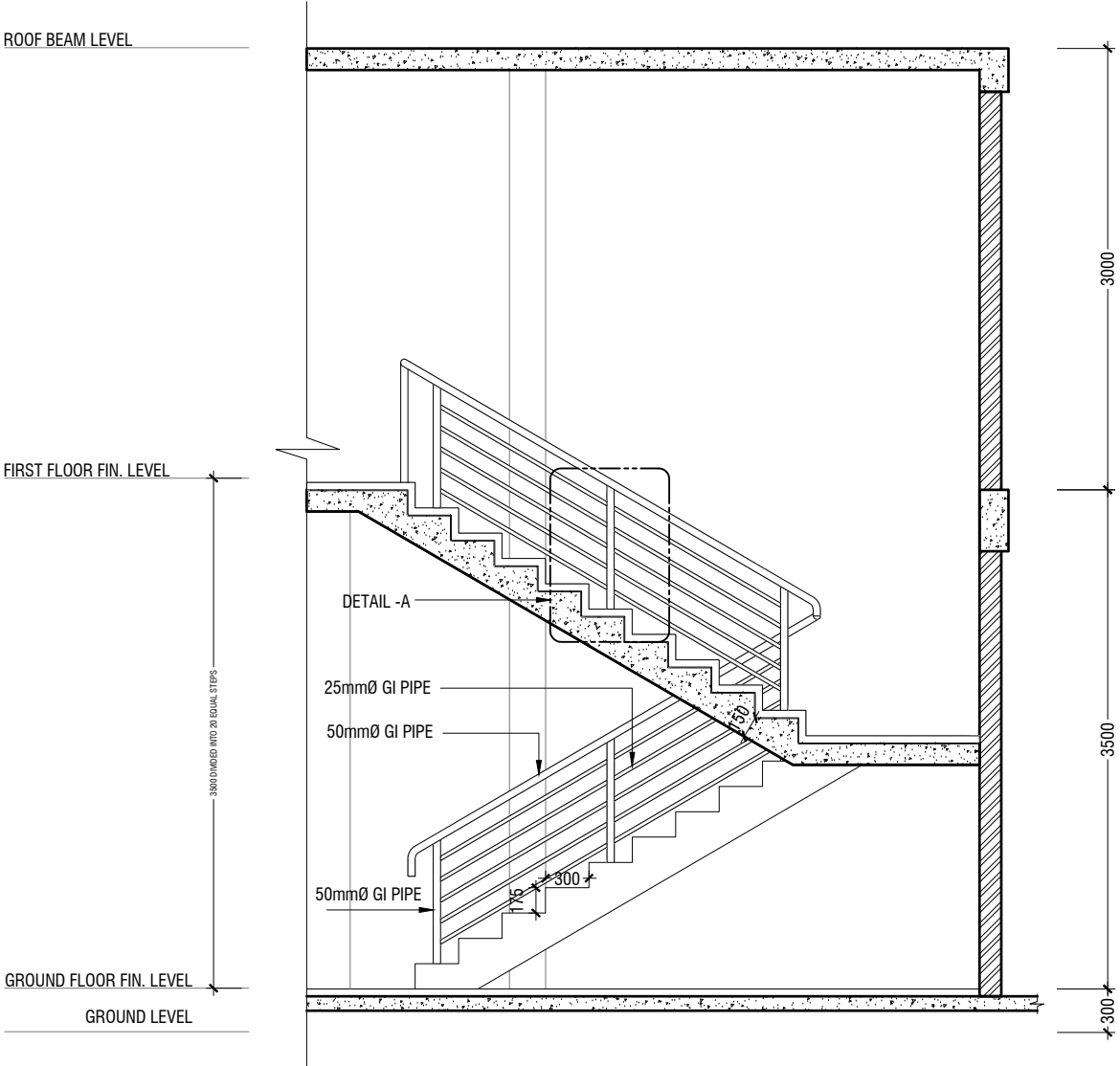
MAIN STAIRCASE PLAN

SCALE 1:50



DETAIL - A

SCALE 1:20



SECTION C-C

SCALE 1:50

MAIN STAIRCASE DETAIL

SCALE 1:50

Th.Guraidhoo School Hall
Client: Ministry of Education

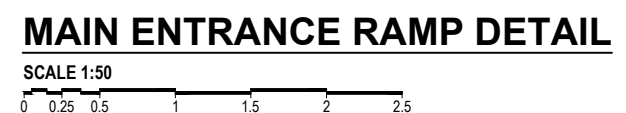
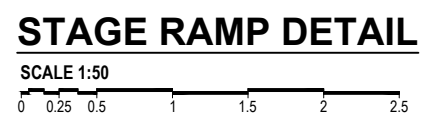
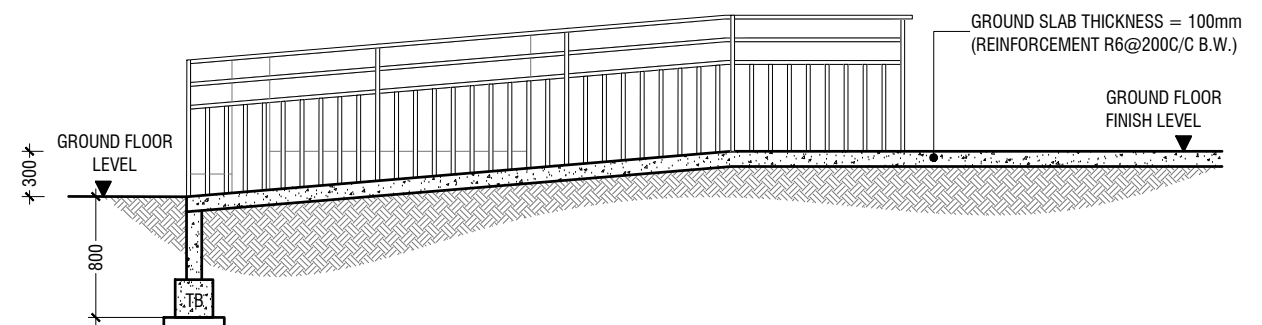
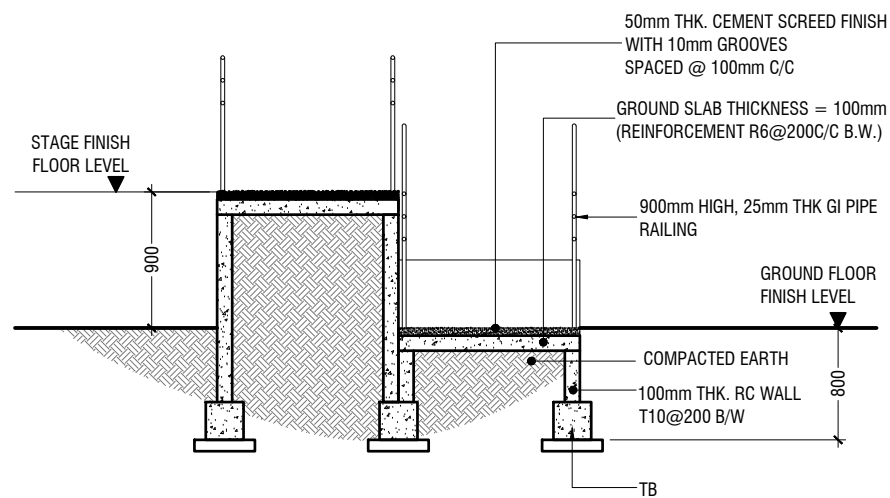
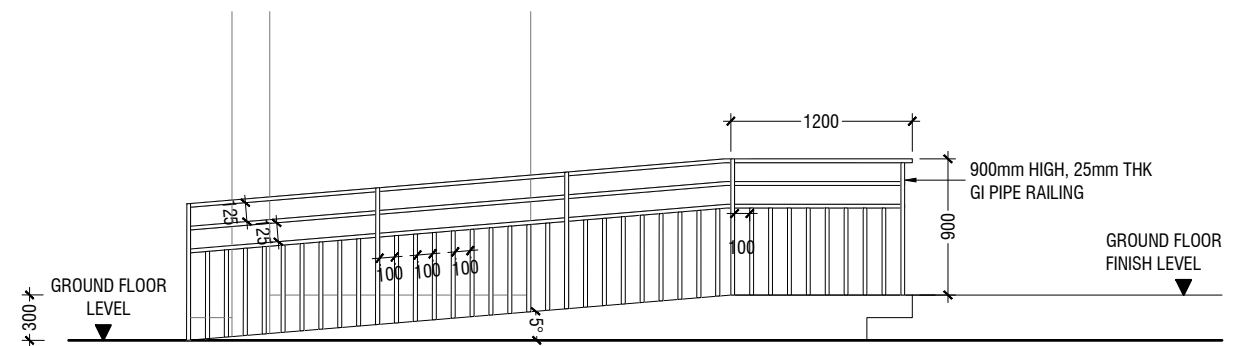
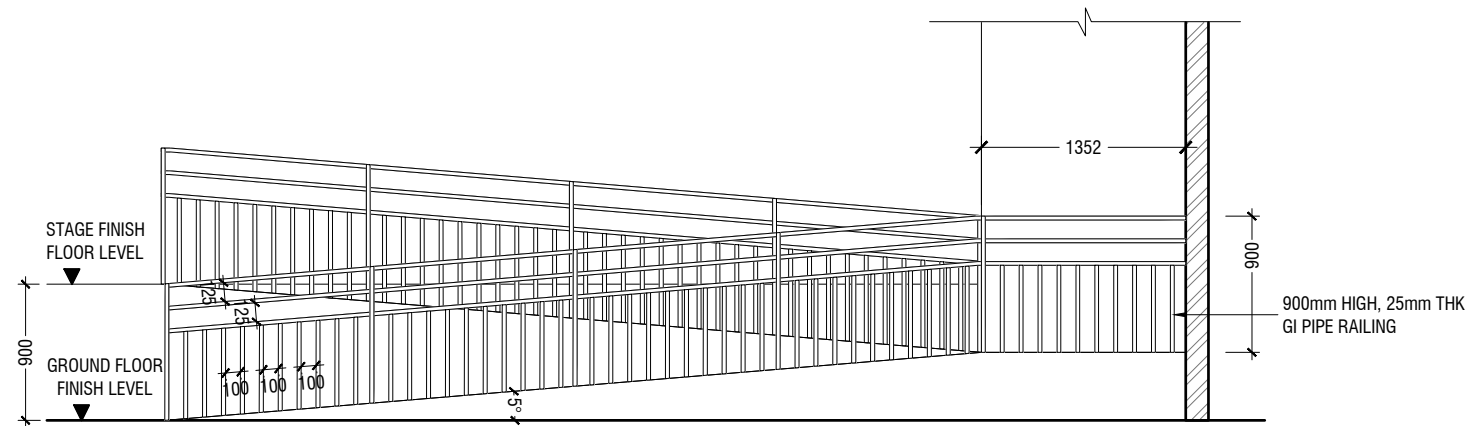
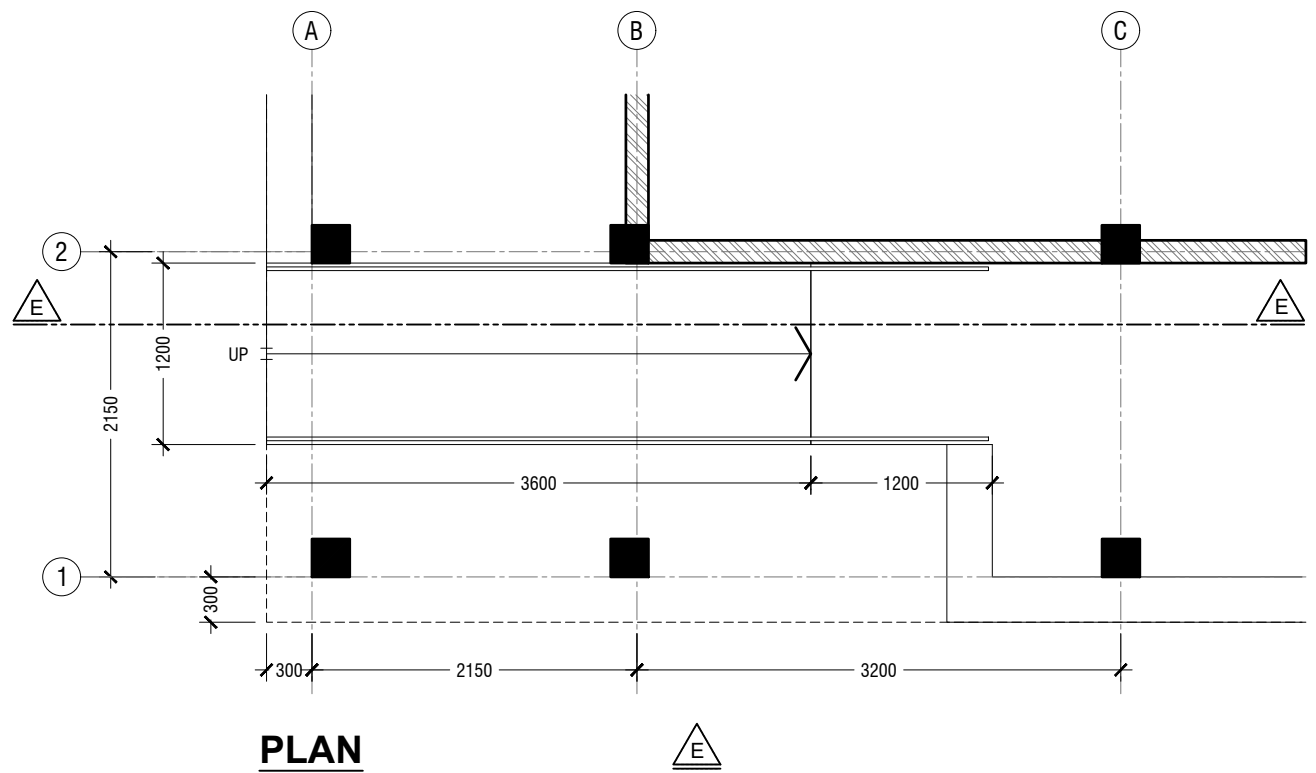
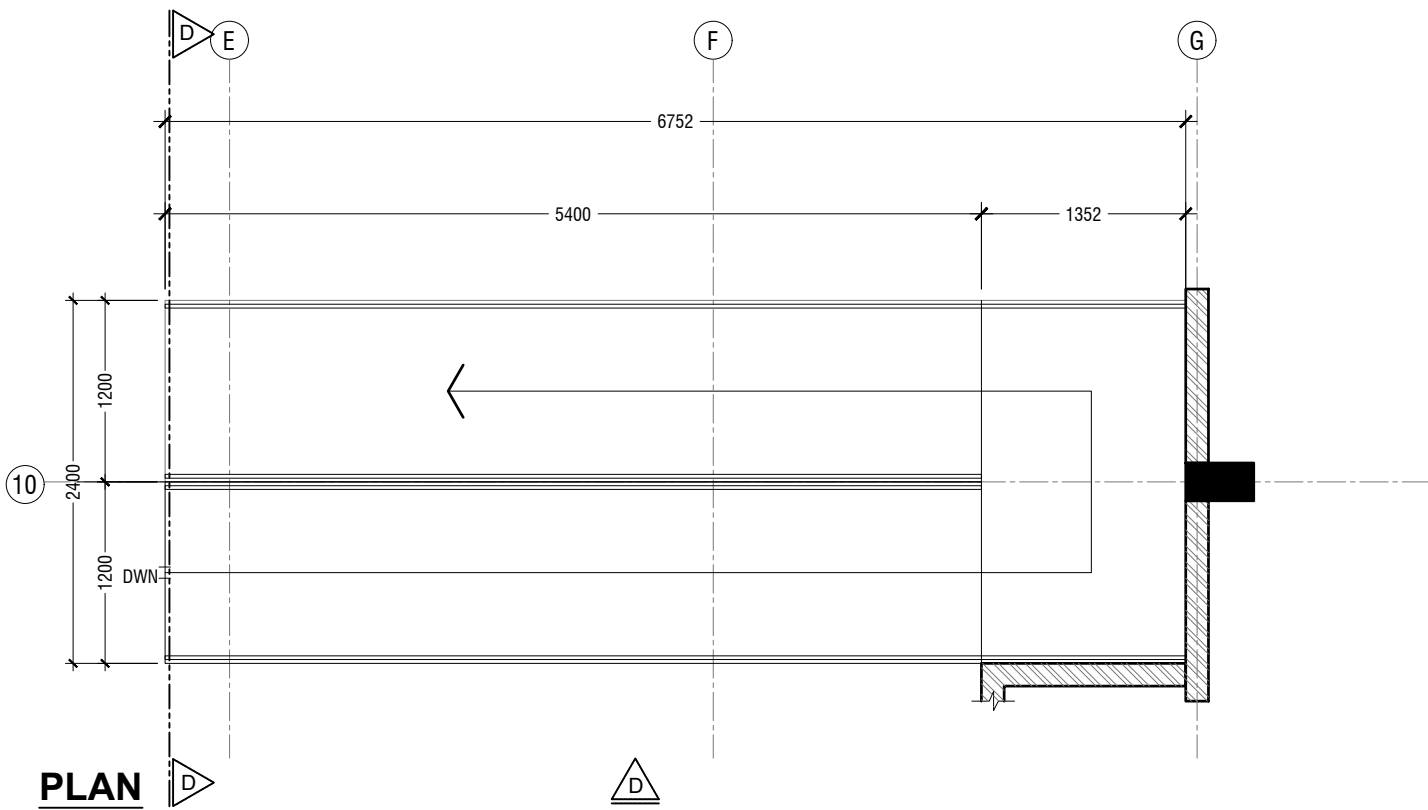
Project Number: RI/2017/012	Rev no	Date
Date: February 2019	--	-----
Architect: Razana Amir	--	-----
Engineer: Ahmed Zuhail Zaeem	--	-----
Drawn by: Razana Amir	--	-----
Services: Aishath Ahmed	--	-----
Interior: -	--	-----



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Title: Main Staircase Detail



Th.Guraidhoo School Hall
Client: Ministry of Education

Rev no	Date
1	2017/01/02
2	2017/01/02
3	2017/01/02
4	2017/01/02
5	2017/01/02
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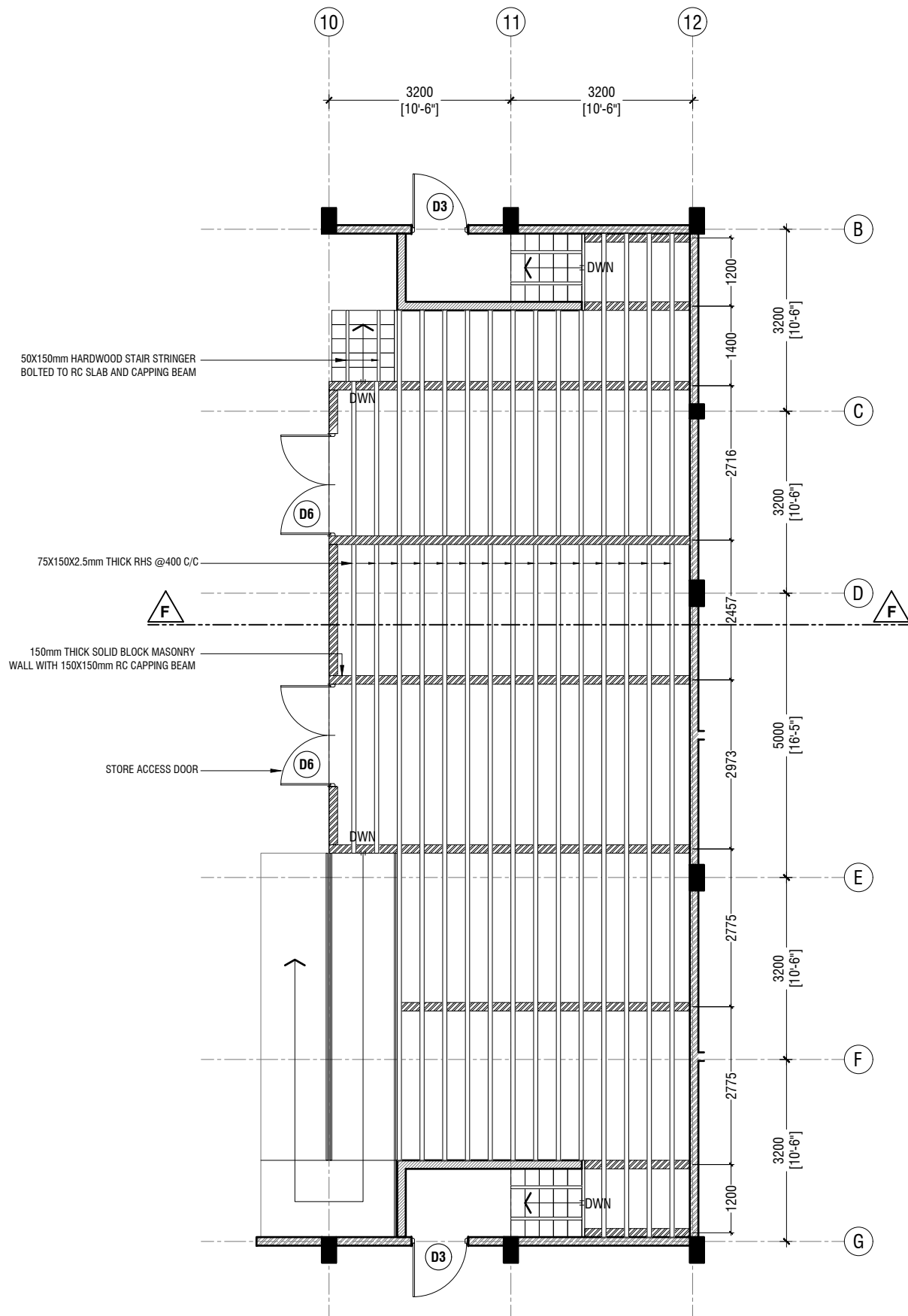


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 3rd floor, H. Azumi, Anseemagau, Male'

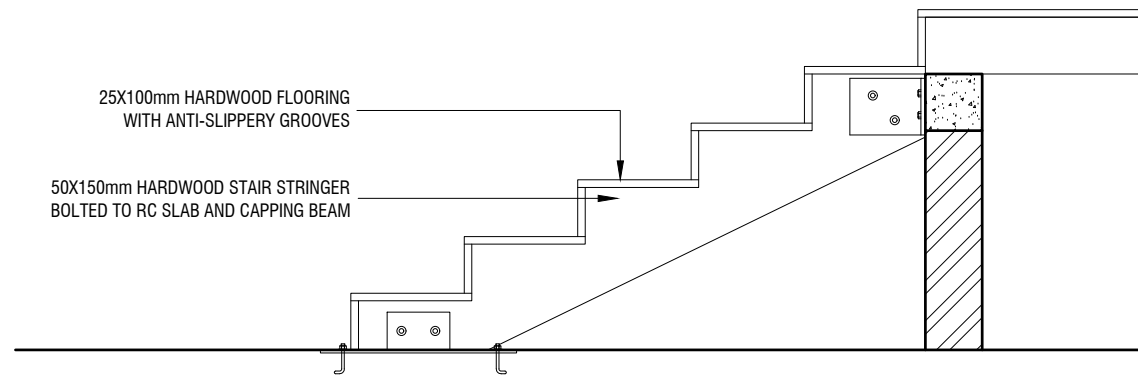
Title: Stage Ramp Detail

Page: A-18/19

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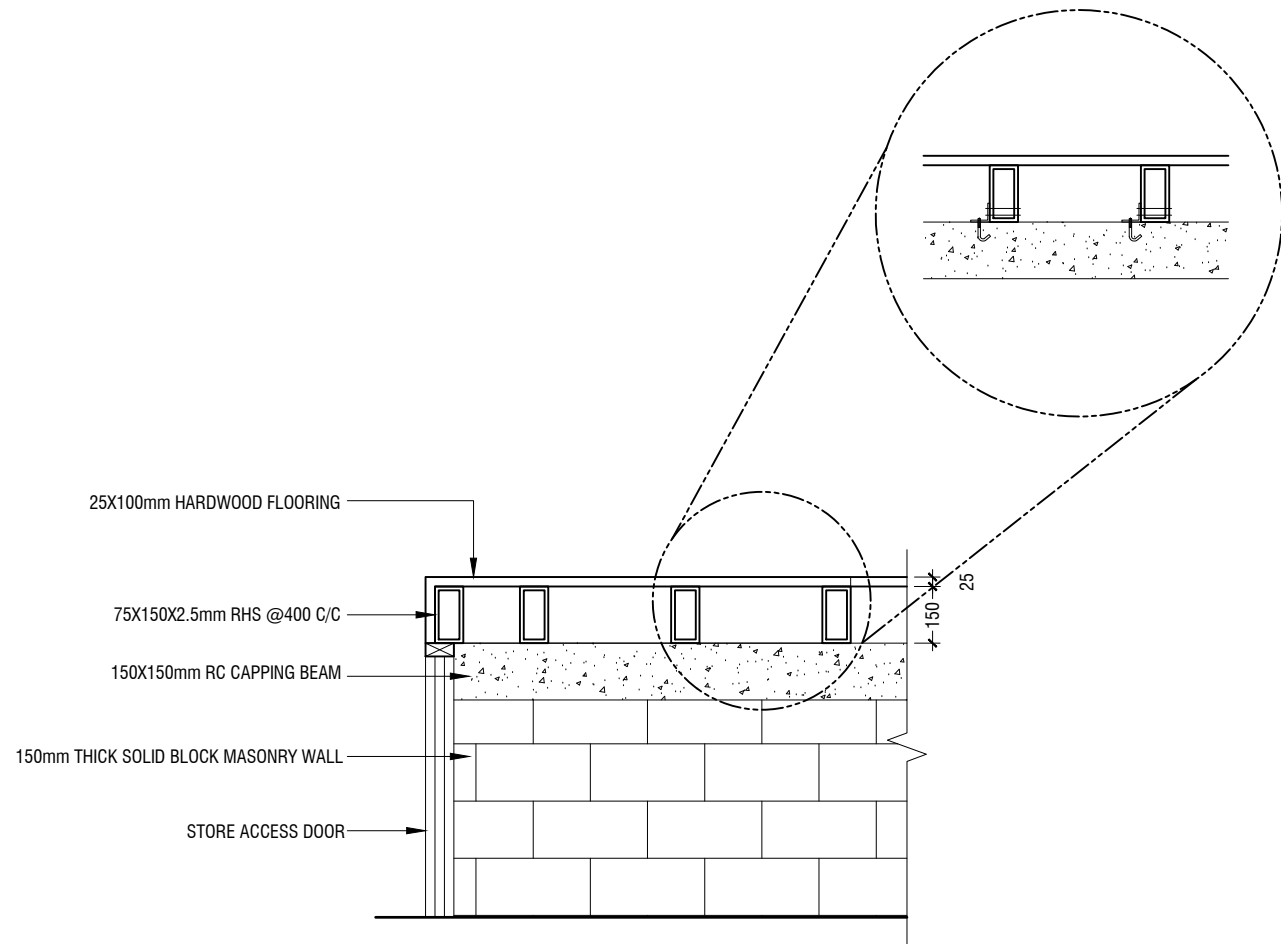
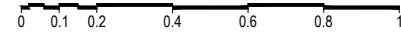


STAGE FRAMING PLAN
SCALE 1:100



STAIR DETAIL

SCALE 1:20



SECTION F-F

SCALE 1:20



Th.Guraidhoo School Hall
Client: Ministry of Education

Rev no	Date
1	2019/02/02
2	2019/02/02
3	2019/02/02
4	2019/02/02
5	2019/02/02

Project Number: R/2017/012
Date: February 2019
Architect: Razana Amir
Engineer: Ahmed Zuhair Zaeem
Drawn by: Razana Amir
Services: Aishath Ahmed
Interior:-



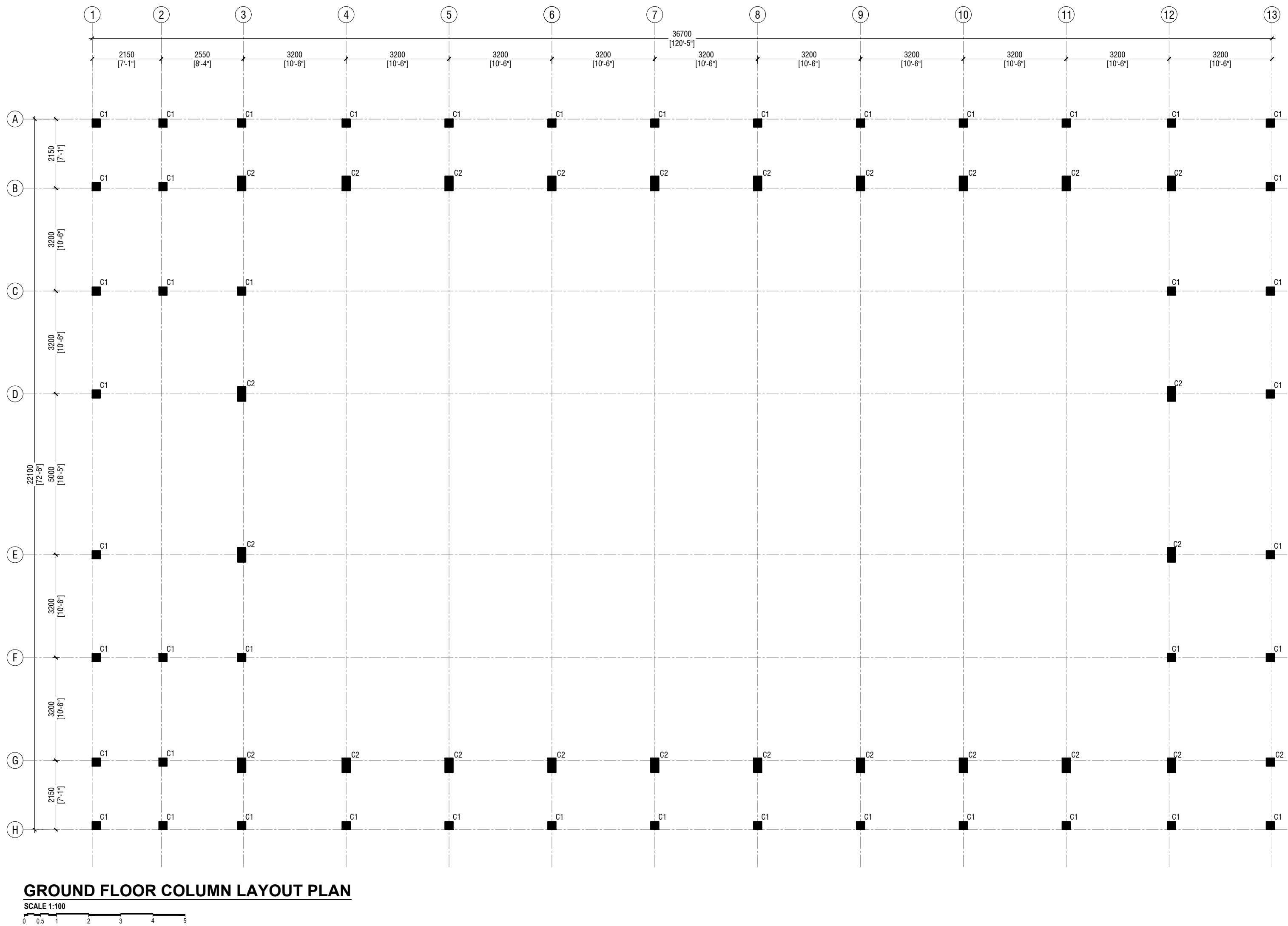
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Title: Stage Framing Plan & Details
& Details

Page: A-19/19

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GROUND FLOOR COLUMN LAYOUT PLAN

SCALE 1:100

Th. Guraidhoo School Hall
Client: Ministry of Education

Rev no	Date
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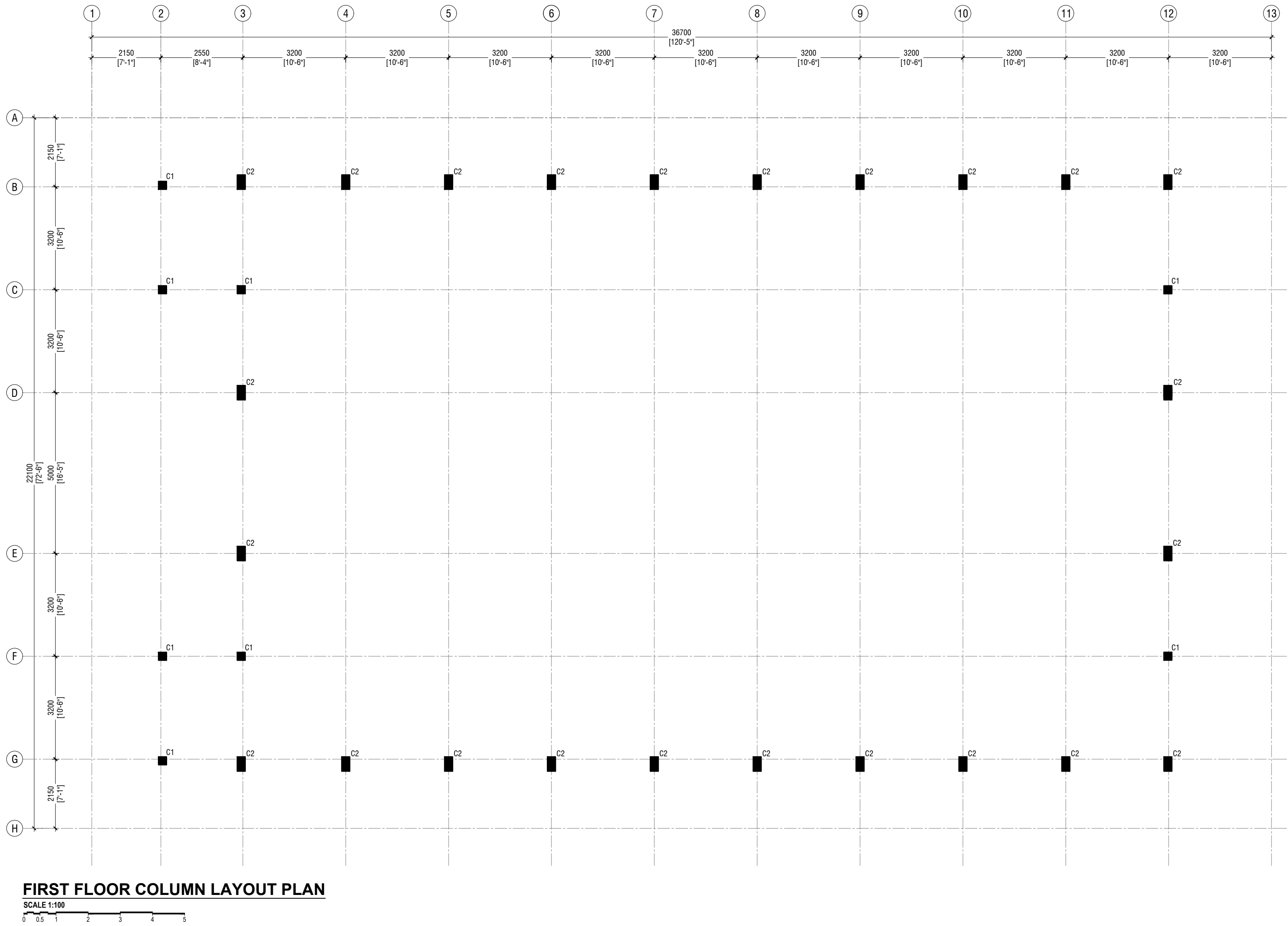


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3rd Floor, H. Azum, Amaramedhoo, Male

Title: Ground Floor Column
Layout Plan

Page: S-01/11

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FIRST FLOOR COLUMN LAYOUT PLAN

Th. Guraidhoo School Hall
Client: Ministry of Education

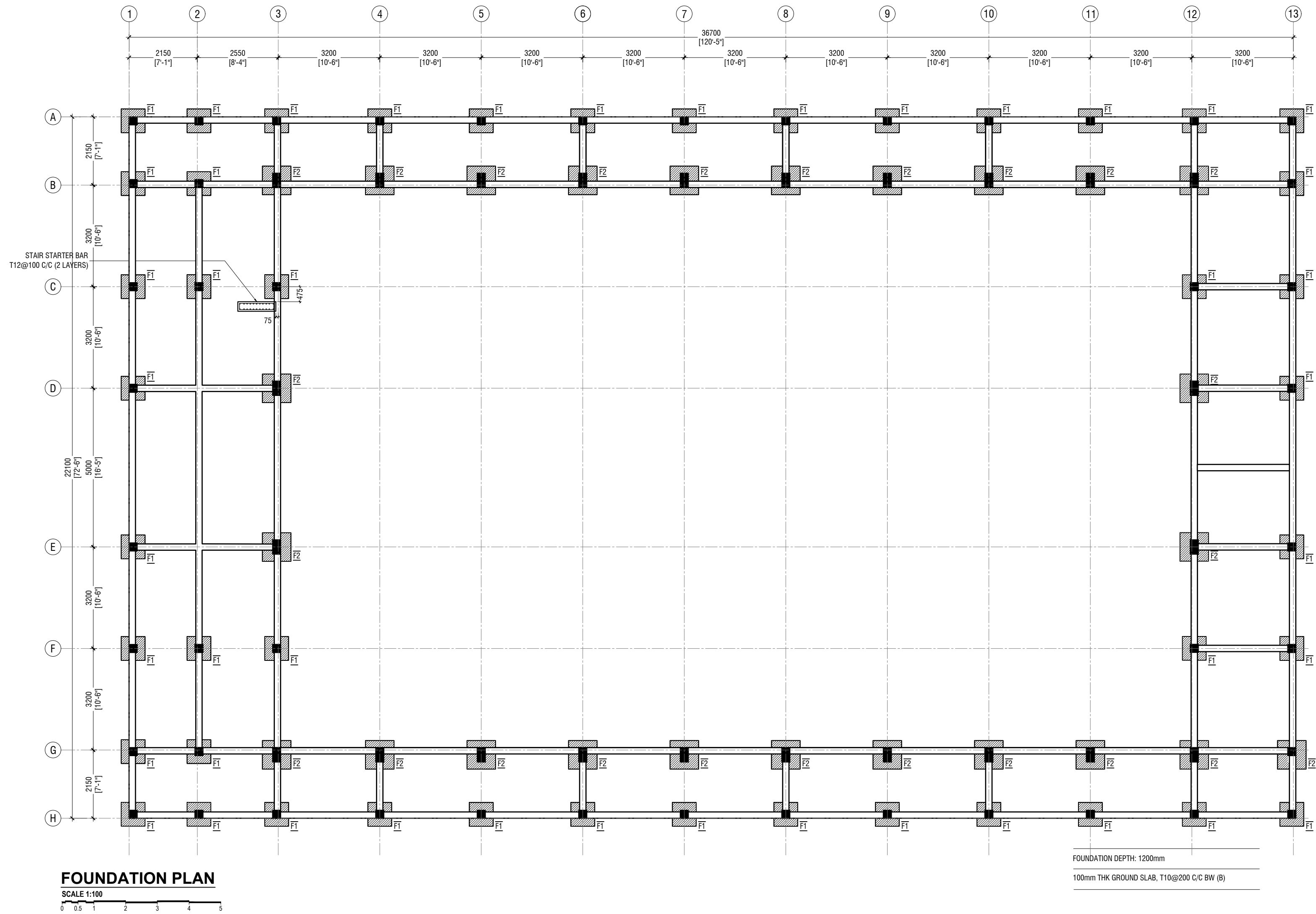
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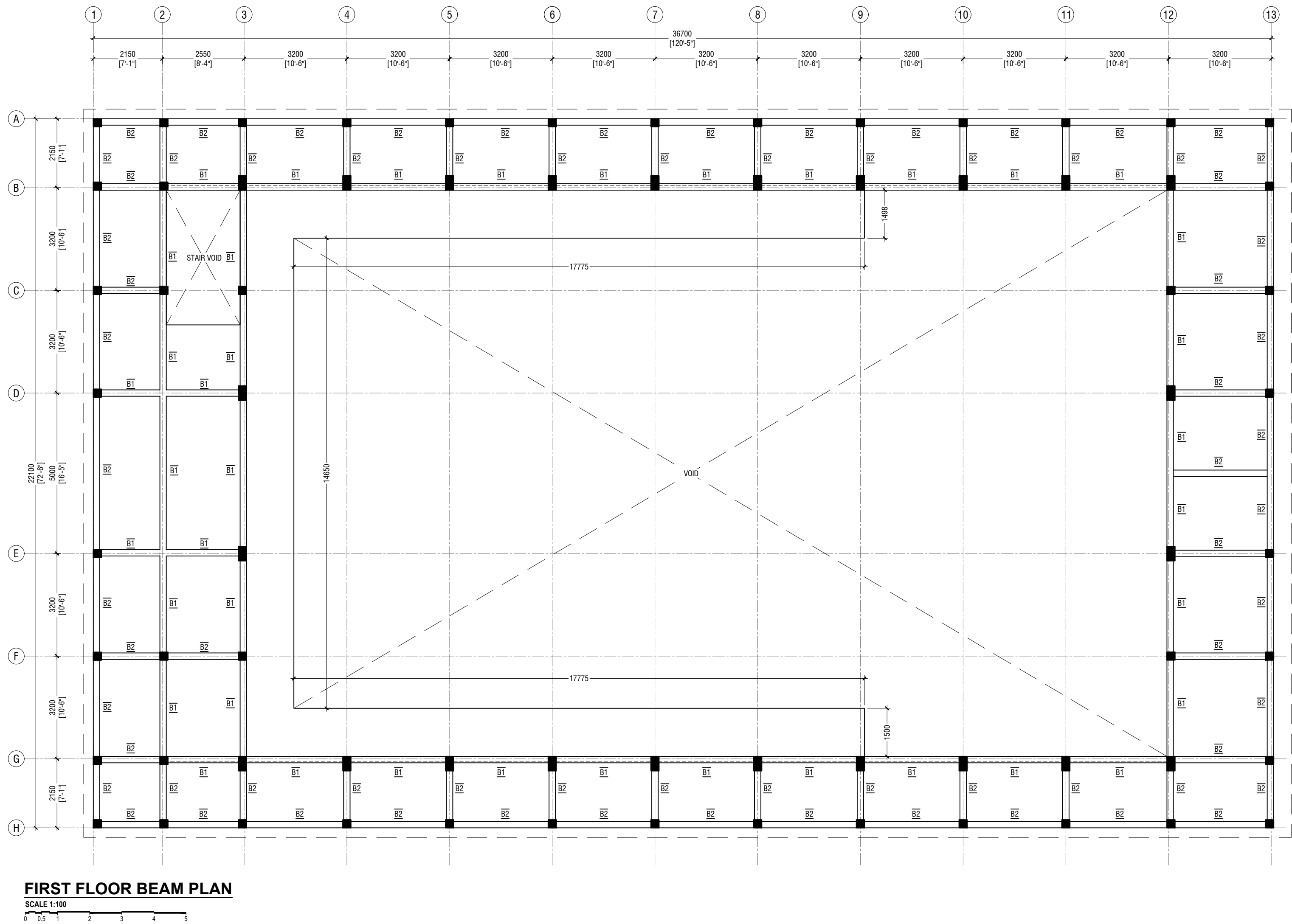
Title: 1st Floor Column Layout Plan
Page: S-02/11

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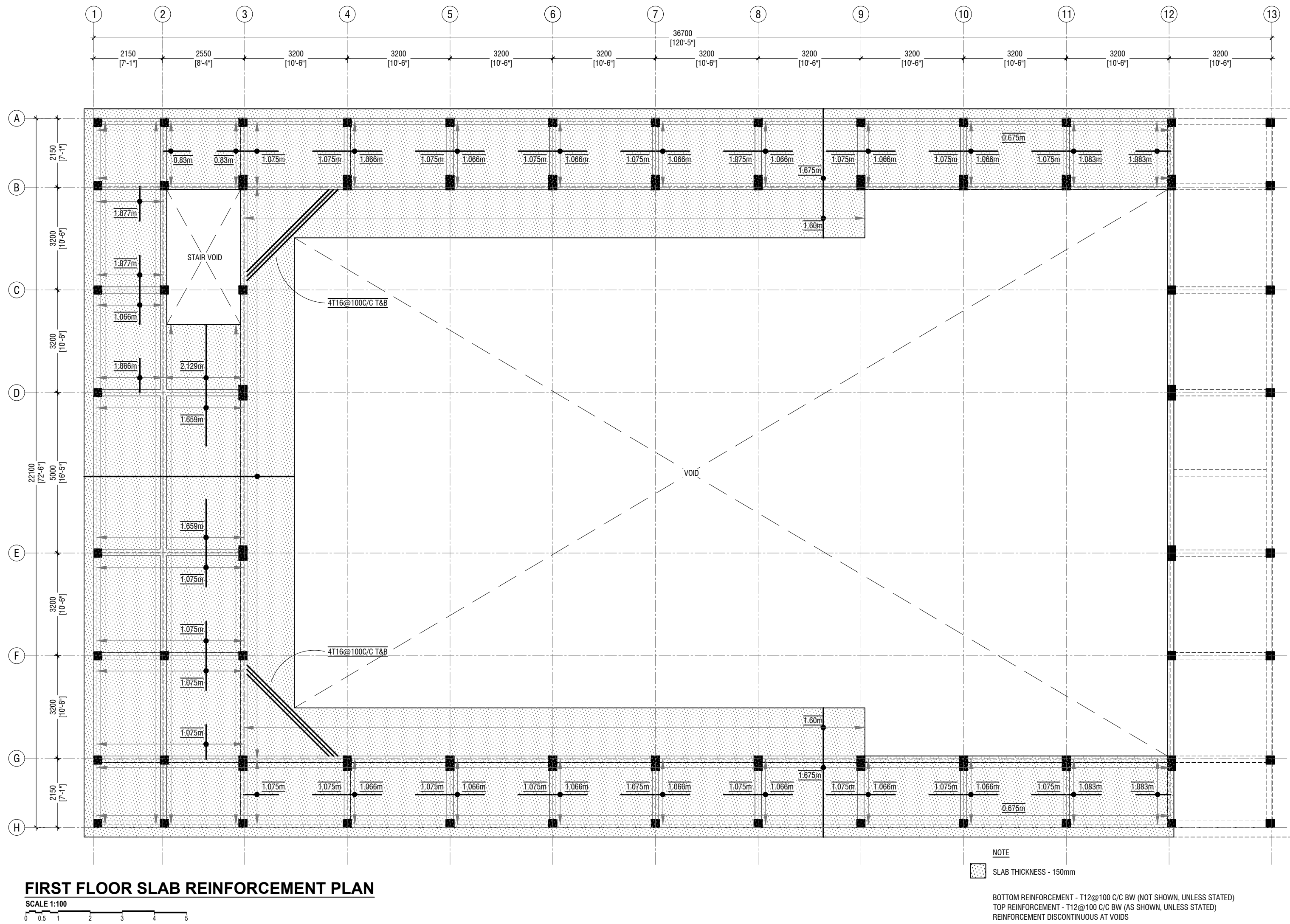
Th. Guraidhoo School Hall
Client: Ministry of Education

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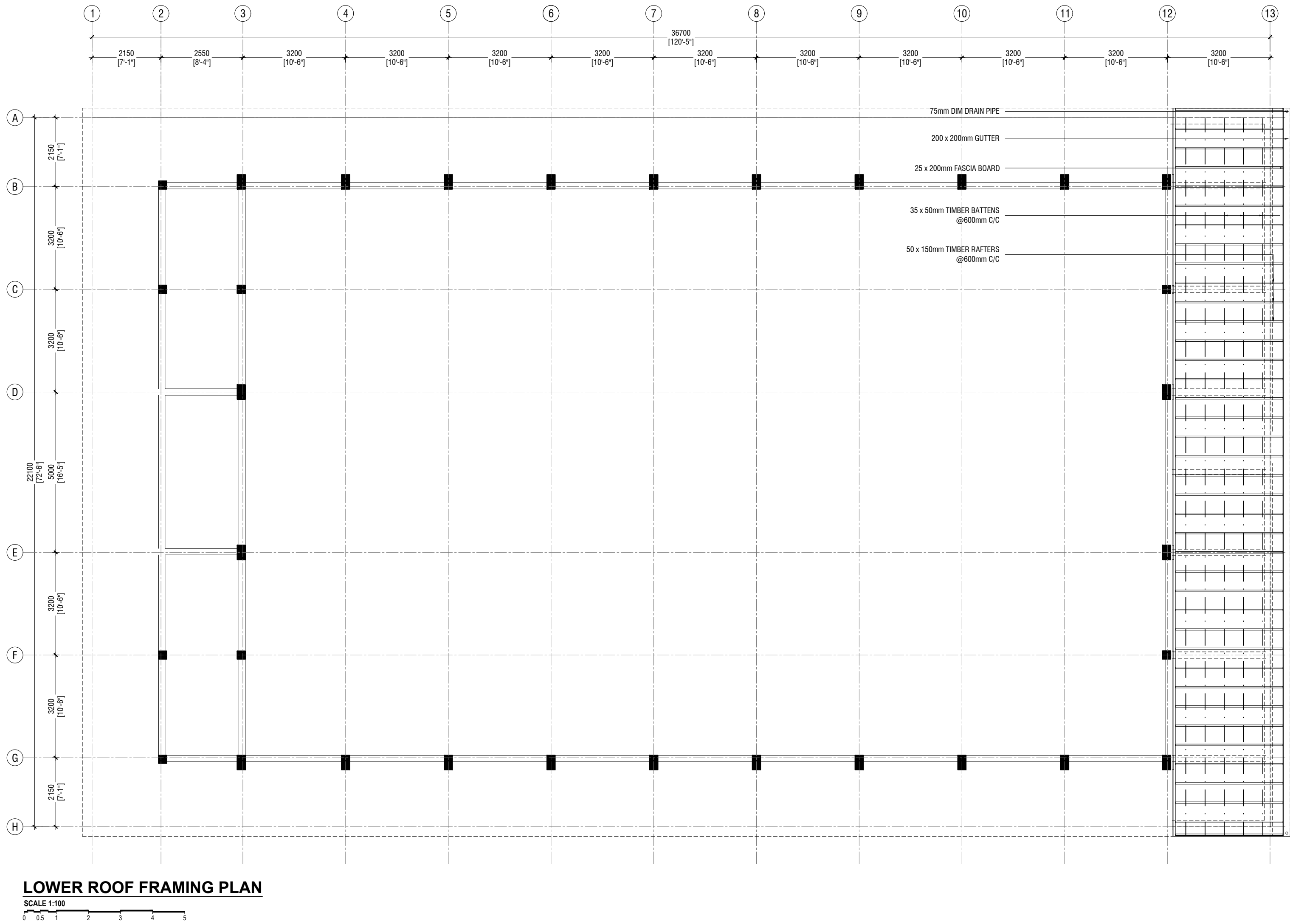
Th. Guraidhoo School Hall
Client: Ministry of Education

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Th.Guraidhoo School Hall
Client: Ministry of Education

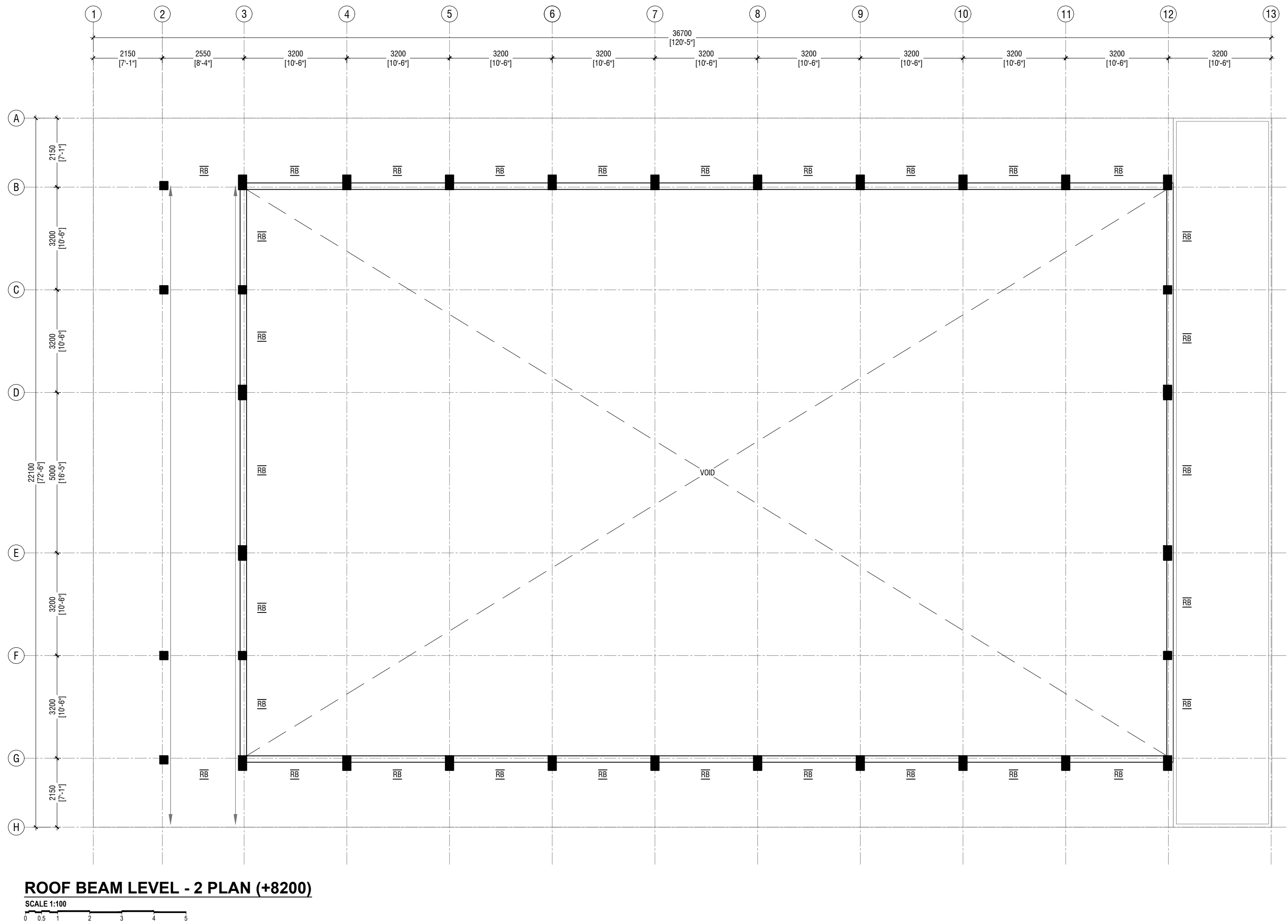
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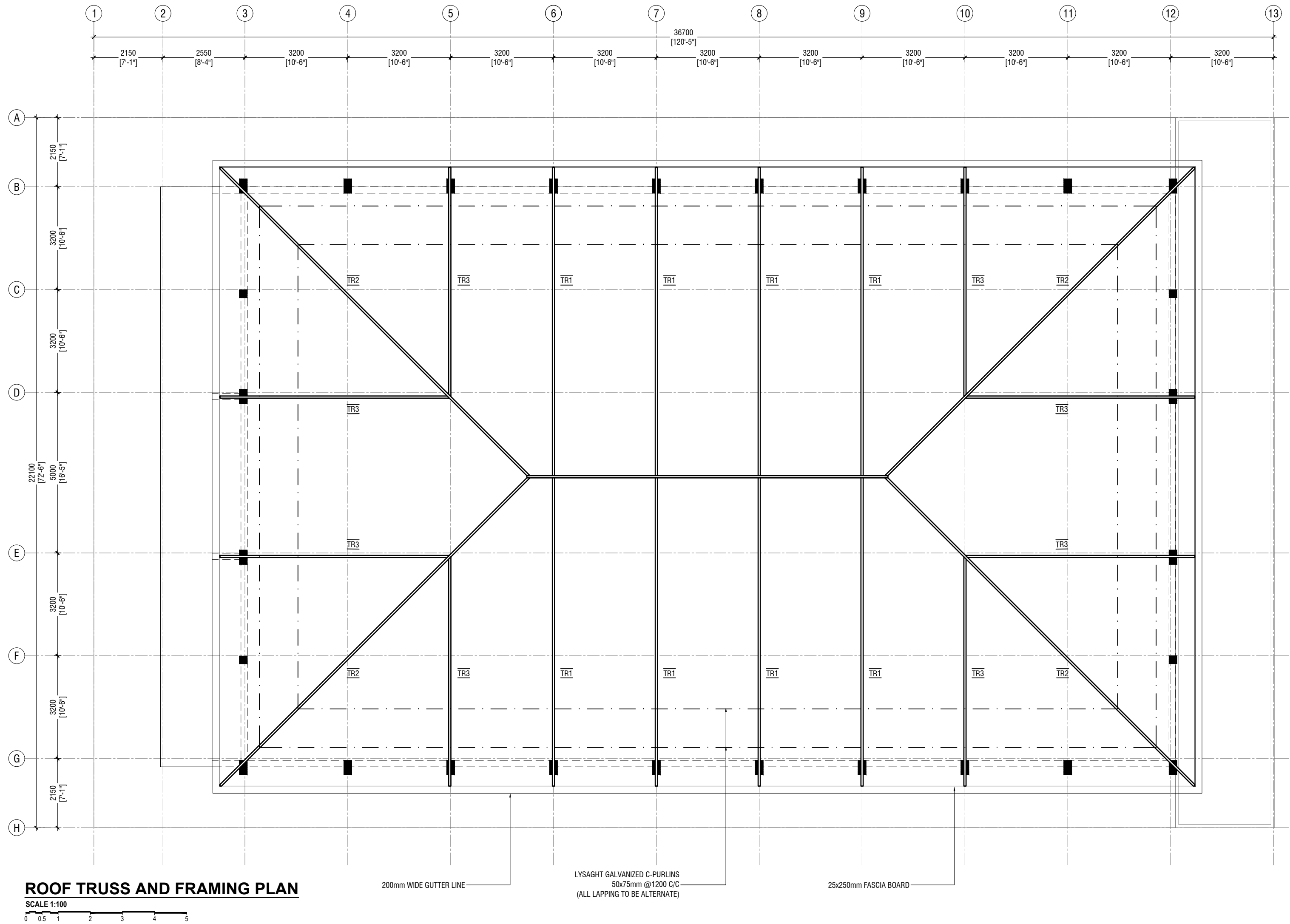


Th.Guraidhoo School Hall
Client: Ministry of Education

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Th.Guraidhoo School Hall
Client: Ministry of Education

Rev no	Date
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13	2019



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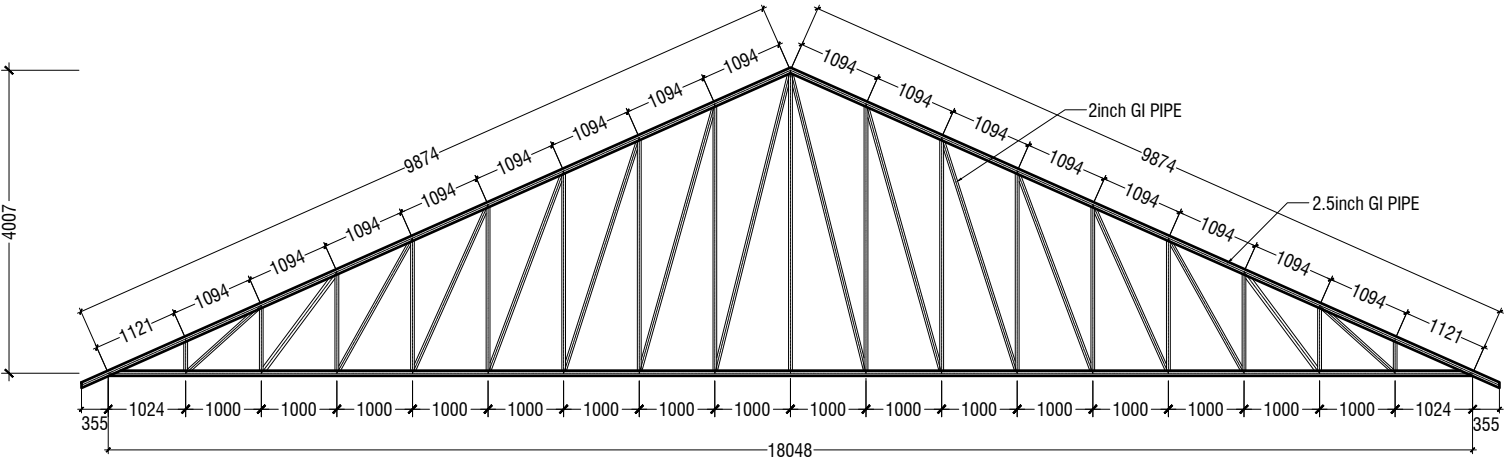
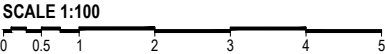
T: +9603355049 F: +960330776
E: info@ryan.com.mv
W: www.ryan.com.mv
3rd Floor, H. Azumi, Aareememoggu, Male

Title: Roof Truss and Framing Plan

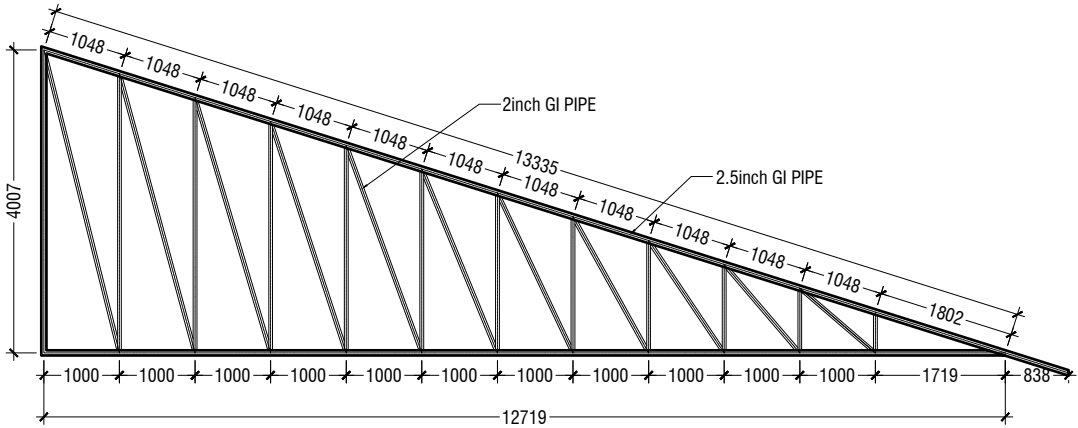
Page: S-09/11

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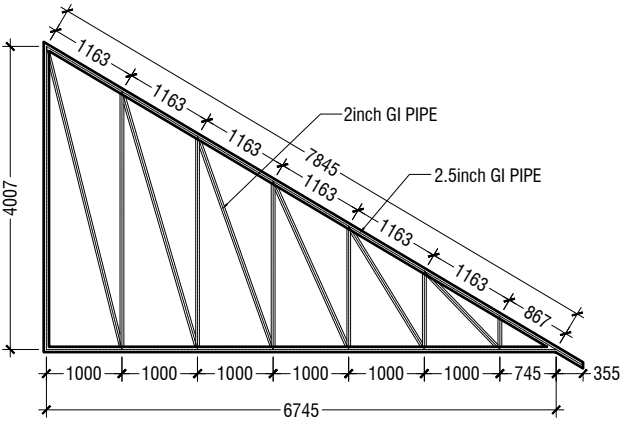
ROOF TRUSS AND FRAMING PLAN



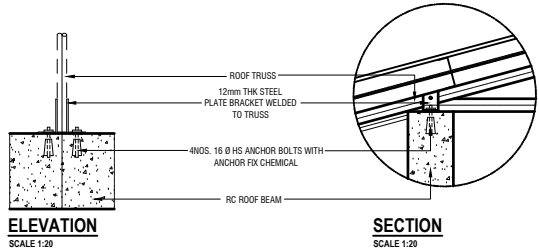
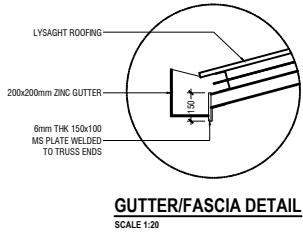
TRUSS TYPE TR1



TRUSS TYPE TR2



TRUSS TYPE TR3



TYPICAL TRUSS FIXING DETAILS
SCALE 1:20

Th.Guraidhoo School Hall
Client: Ministry of Education

Project Number:	Rev no	Date
RI/2017/012		
Date: February 2019		
Architect: Razana Amir		
Engineer: Ahmed Zuhair Zaeem		
Drawn by: Razana Amir		
Services: Aishath Ahmed		
Interior: -		



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

Title: Roof Truss and Framing Plan

Page: S-10/11

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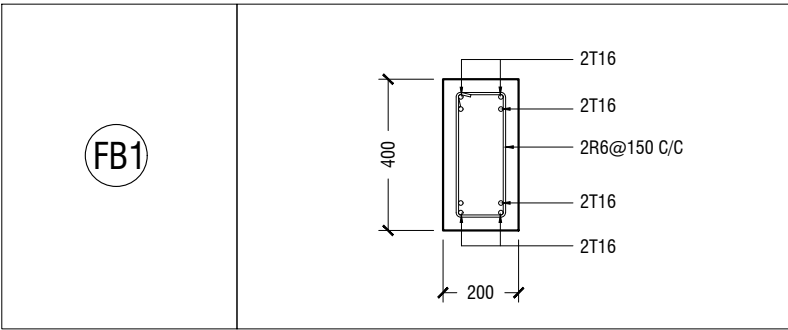
	DIMENSION	REINFORCEMENT
F1	750 x 750 x 250	T10@150 C/C B/W (B)
F2	900 x 900 x 300	T10@100 C/C B/W (B)

FOUNDATION DEPTH = 1200mm

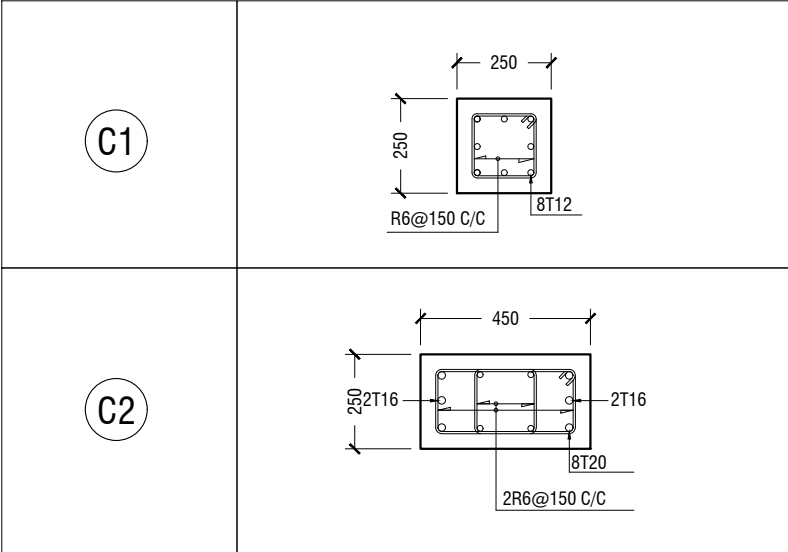
NOTE:-
COVER TO FOUNDATION = 50mm
COVER TO COLUMNS = 35-40mm
COVER TO BEAMS = 35mm
LAPS = Ø OF BAR x 45
BEAMS @END SUPPORT = Ø OF BAR x 12

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

FOUNDATION PADS

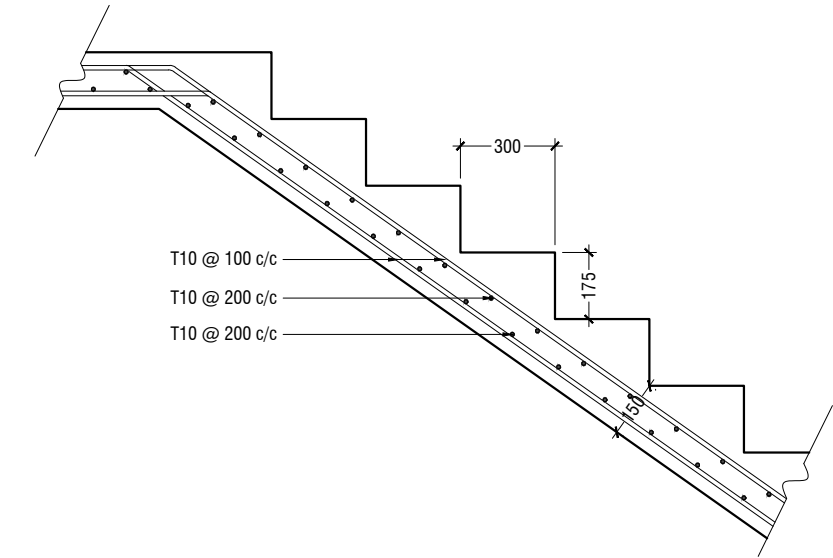
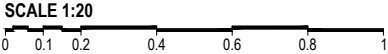


FOUNDATION DETAILS

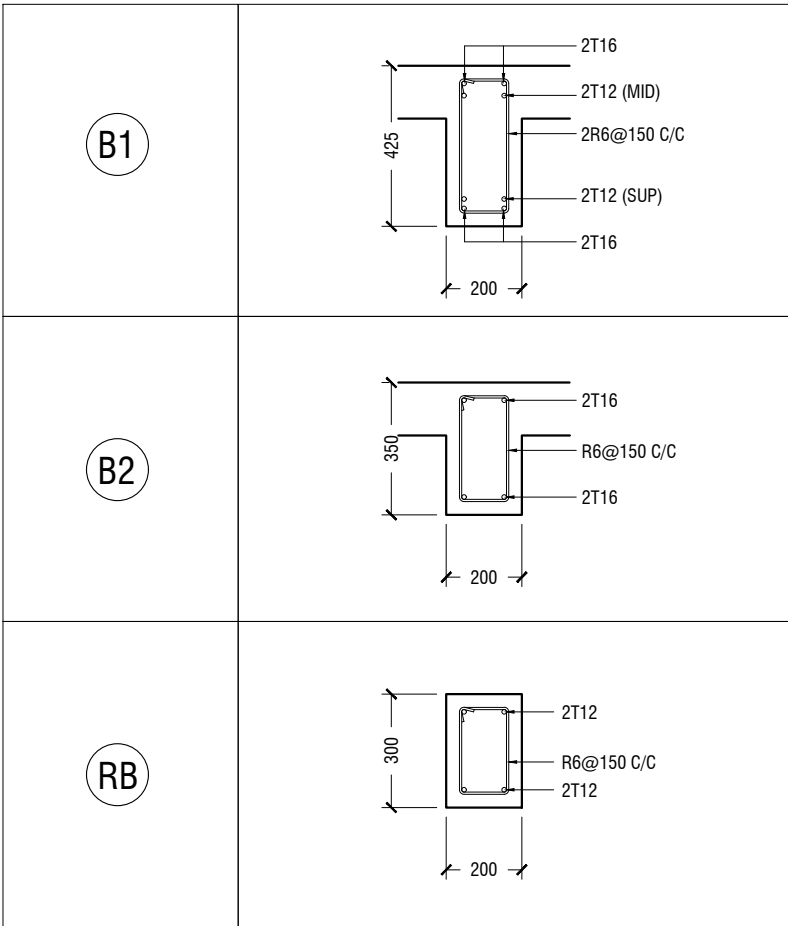


COLUMN DETAIL

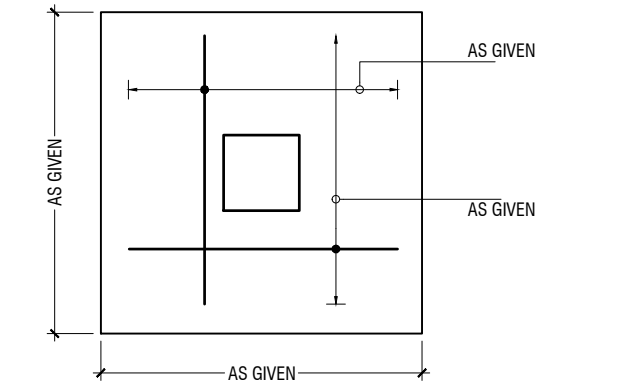
STRUCTURAL DETAILS



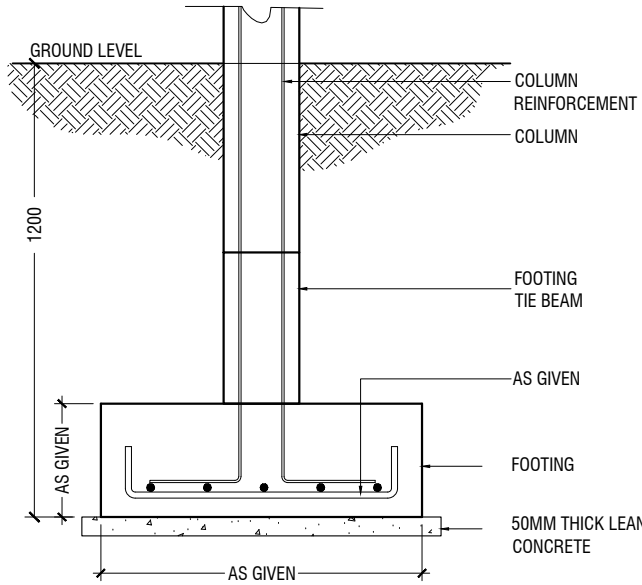
MAIN STAIRCASE REINFORCEMENT DETAIL



BEAM DETAIL



PLAN



SECTION

FOOTING DETAILS

Th.Guraidhoo School Hall
Client: Ministry of Education

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

Rev no	Date
1	11/02/2019
2	11/02/2019
3	11/02/2019
4	11/02/2019