

R. Maduvvaree School Hall & 08 Classrooms  
(04 Storey)

*ARCHITECTURAL & STRUCTURAL DRAWINGS*

Client: Ministry of Education

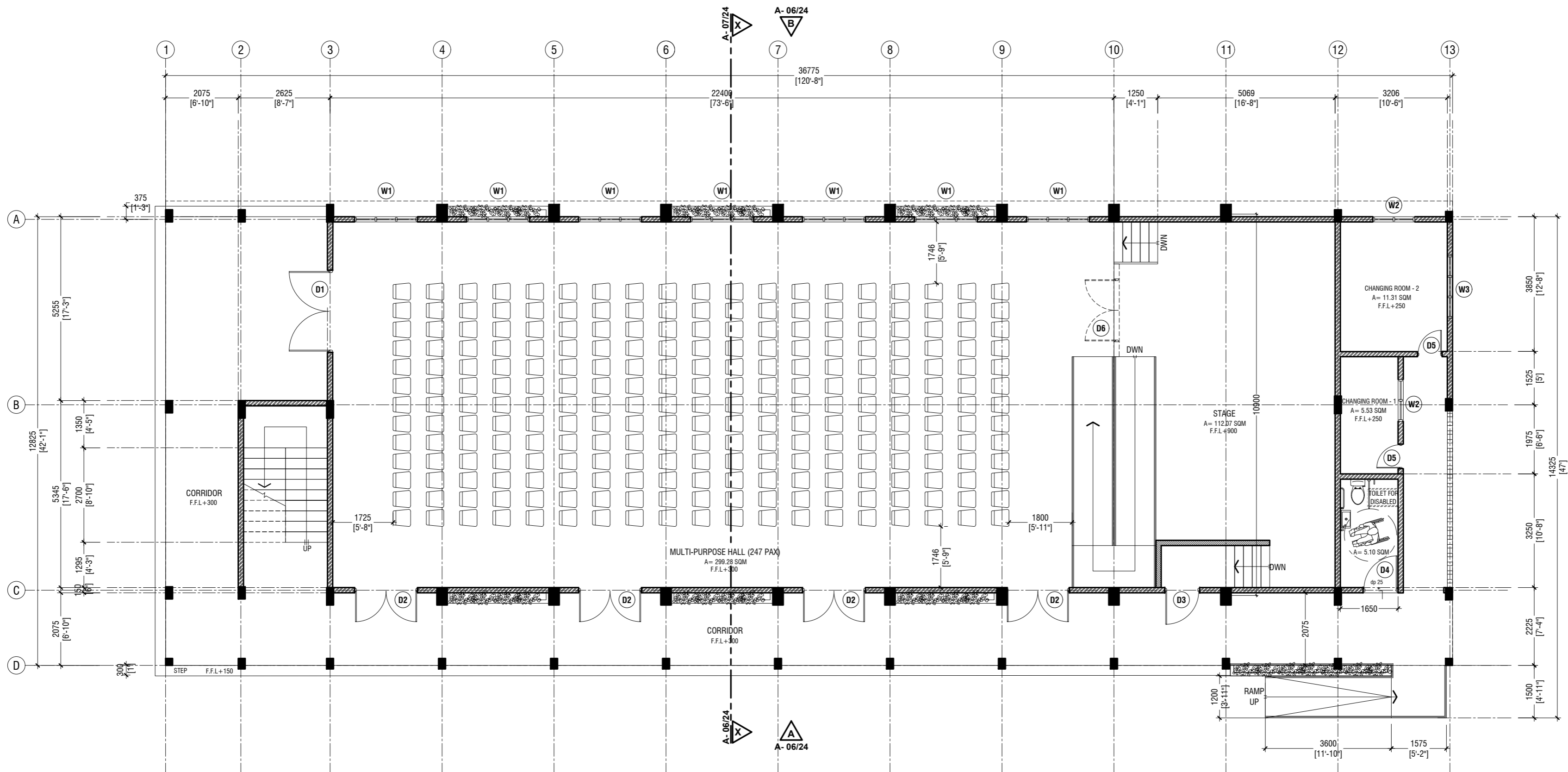


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3rd floor, H. Azum, Ameenemagui, Male'

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## GROUND FLOOR PLAN

SCALE 1:100



### NOTE:

- PROPOSED 150mm THICK SOLID BLOCK MASONRY WALL WITH 16mm PLASTERING, GROUND SMOOTH IN SELECTED PAINT FINISH
- PROPOSED 100mm THICK 2400mm HIGH SOLID BLOCK MASONRY WALL WITH 16mm PLASTERING, GROUND SMOOTH IN SELECTED PAINT FINISH
- PROPOSED 150mm 1000mm HIGH SOLID BLOCK MASONRY WALL WITH 16mm PLASTERING, GROUND SMOOTH IN SELECTED PAINT FINISH

R. Madhavaree School Hall & 08 Classroom ( 04 Storey)  
Client: Ministry of Education

Rev no	Date
1	2017/02
2	2017/02
3	2017/02
4	2017/02
5	2017/02
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100	2017/02

Project Number: R/2017/02  
Date: 2017/02  
Architect: Razana Amir  
Engineer: Ahmed Zuhair Zaeem  
Quantity Surveyor: P. Dela Cruz  
Structural Engineer: P. Dela Cruz  
Interior: P. Dela Cruz



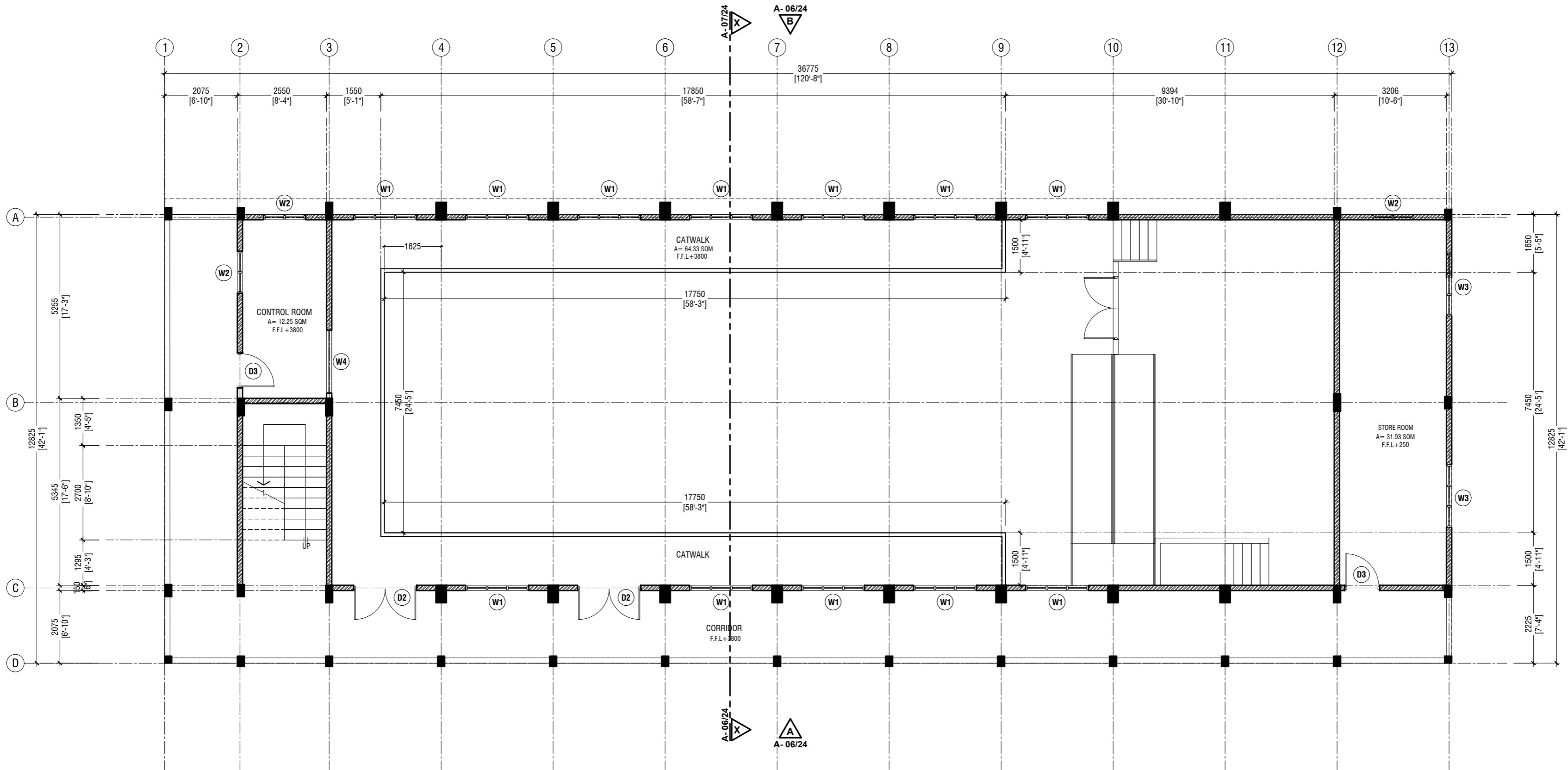
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3rd Floor, H. Azum, Amereemogga, Male

Title: Ground Floor Plan

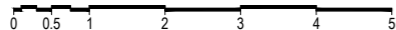
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## FIRST FLOOR PLAN

SCALE 1:100



### NOTE:

- PROPOSED 150mm THICK SOLID BLOCK MASONRY WALL WITH 16mm PLASTERING, GROUND SMOOTH IN SELECTED PAINT FINISH
- PROPOSED 100mm THICK 2400mm HIGH SOLID BLOCK MASONRY WALL WITH 16mm PLASTERING, GROUND SMOOTH IN SELECTED PAINT FINISH
- PROPOSED 150mm 1000mm HIGH SOLID BLOCK MASONRY WALL WITH 16mm PLASTERING, GROUND SMOOTH IN SELECTED PAINT FINISH

R. Madhavaree School Hall & 08 Classroom ( 04 Storey)  
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1	06/07/2024
2	06/07/2024
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100	06/07/2024

Project Number: R/2024/02  
Date: 06/07/2024  
Architect: Razana Amir  
Engineer: Ahmed Zuhair Zaeem  
Designer: Razana Amir  
Interior: Razana Amir



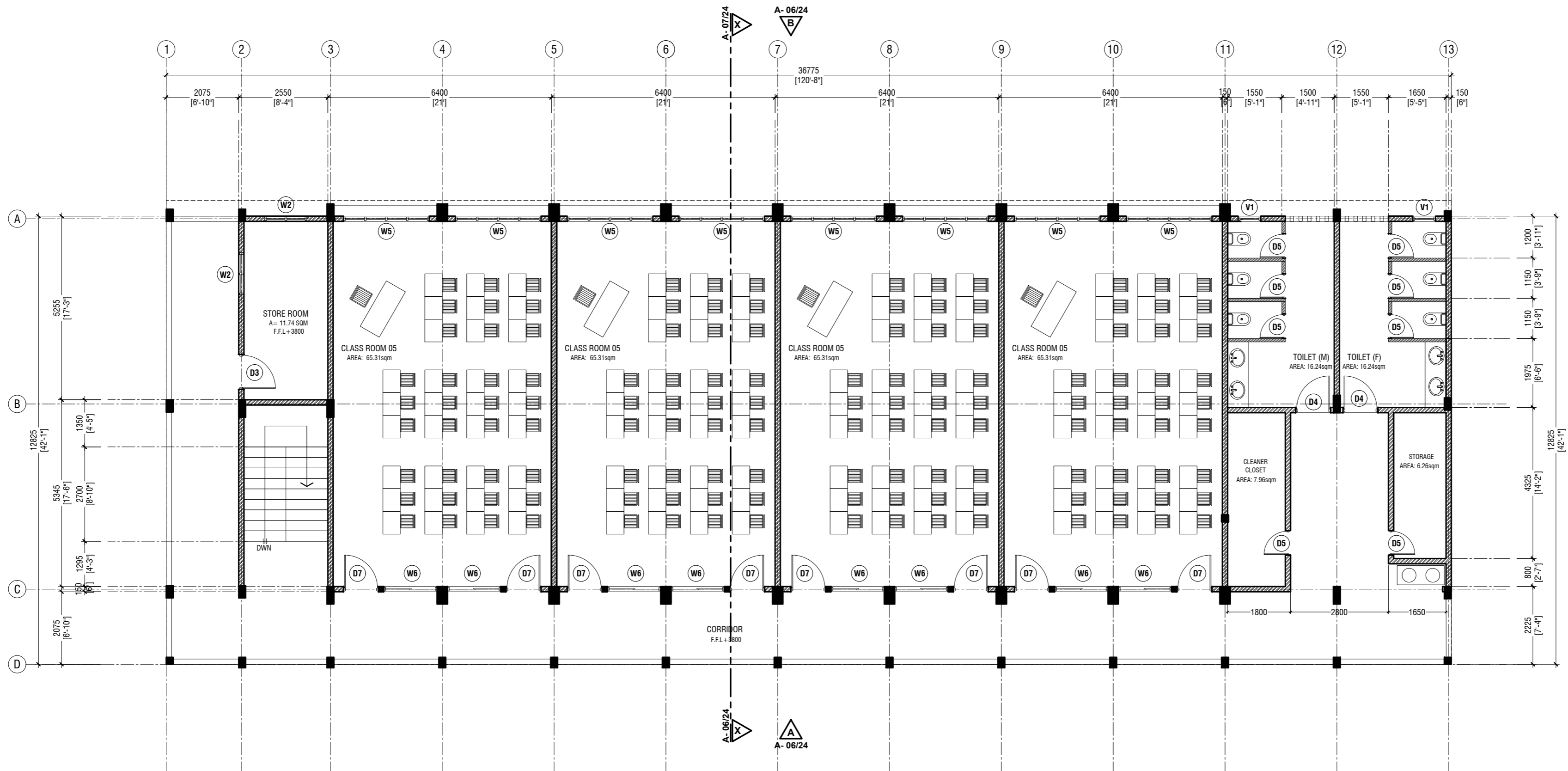
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3rd Floor, H. Azumi, Amereemogga, Male

Title: First Floor Plan

Page: A-02/24

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## SECOND & THIRD FLOOR PLAN

SCALE 1:100



### NOTE:

- PROPOSED 150mm THICK SOLID BLOCK MASONRY WALL WITH 16mm PLASTERING, GROUND SMOOTH IN SELECTED PAINT FINISH
- PROPOSED 100mm THICK 2400mm HIGH SOLID BLOCK MASONRY WALL WITH 16mm PLASTERING, GROUND SMOOTH IN SELECTED PAINT FINISH
- PROPOSED 150mm 1000mm HIGH SOLID BLOCK MASONRY WALL WITH 16mm PLASTERING, GROUND SMOOTH IN SELECTED PAINT FINISH

R. Madhavaree School Hall & 08 Classroom ( 04 Storey)  
Client: Ministry of Education

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Project Number: R/2017/02  
Date: 01/07/2024  
Architect: Razana Amir  
Engineer: Ahmed Zuhair Zaeem  
Designer: Razana Amir  
Surveyor: Razana Amir  
Interior: Razana Amir

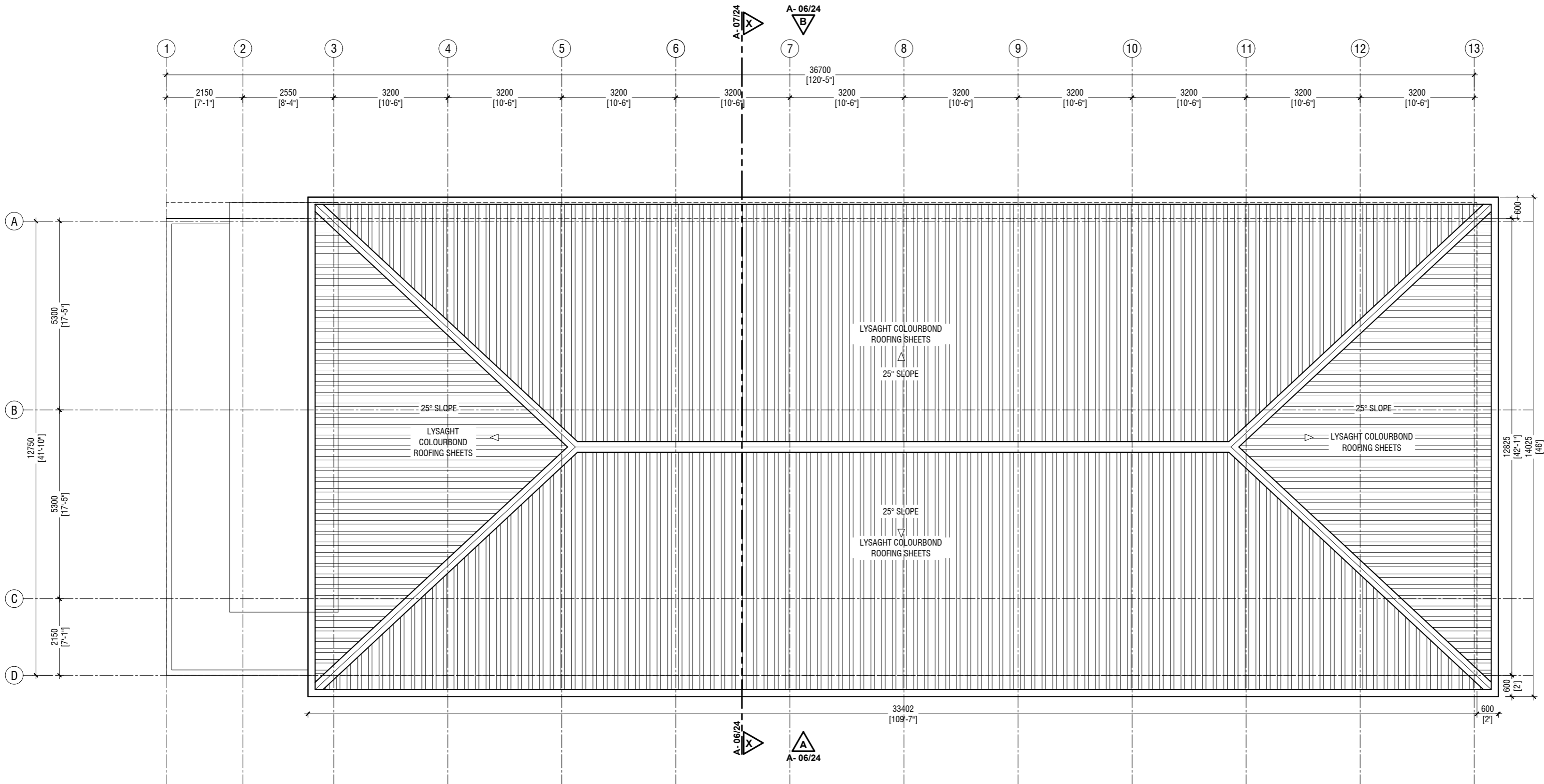


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Title: Second and Third Floor Plan  
Page: A-03/24

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**ROOF PLAN**

SCALE 1:100



R.Maduvaree School Hall & 08 Classroom ( 04 Storey)  
Client: Ministry of Education

Rev no	Date
01	01/07/2019
02	01/07/2019
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100	01/07/2019



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Title: Roof Plan



**ELEVATION A**  
SCALE 1:100

R.Maduwaree School Hall & 08 Classroom ( 04 Storey)  
Client: Ministry of Education

Rev no	Date
01	04/07/2022
02	04/07/2022
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Project Number: R/2021/02  
Date: 04/07/2022  
Architect: Ruzana Amir  
Engineer: Ahmed Zuhair Zaeem  
Quantity Surveyor: P. Della Cruz  
Structural Engineer: P. Della Cruz  
Interior: -



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Title: Elevation A

Page: A-05/24

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ELEVATION B

SCALE 1:100



R.Madhuwaree School Hall & 08 Classroom ( 04 Storey)  
Client: Ministry of Education

Rev no	Date
01	2019
02	2019
03	2019
04	2019
05	2019
06	2019
07	2019
08	2019
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13	2019

Project Number: R/2017/02  
Date: 2019  
Architect: Razana Amir  
Engineer: Ahmed Zuhair Zaeem  
Designer: Razana Amir  
Structural Engineer: P. Della Cruz  
Interior: -

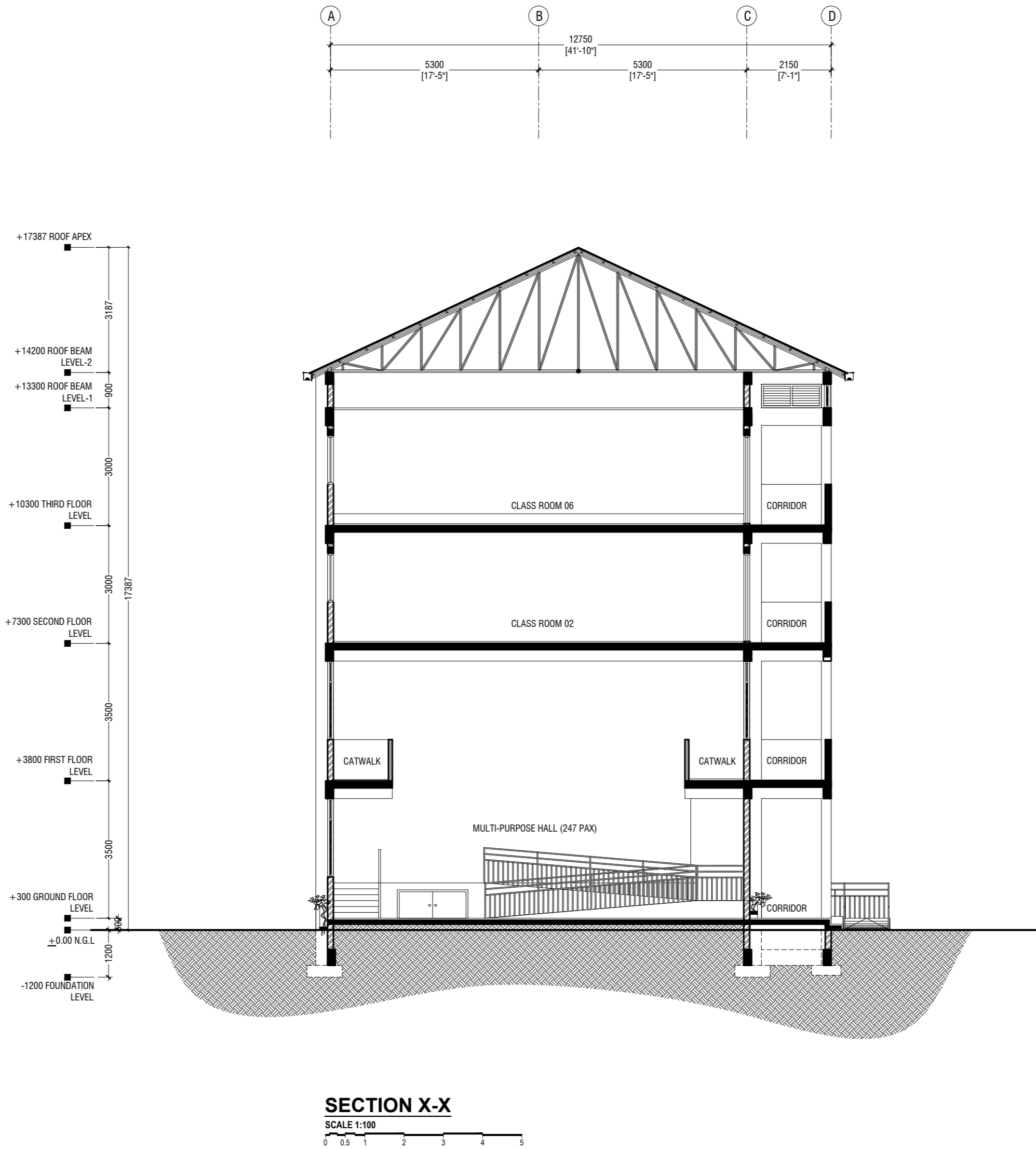


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3rd floor, H. Azumi, Ameeremogga, Male'

Title: Elevation B

Page: A-06/24

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R.Maduwaree School Hall & 08 Classroom ( 04 Storey)  
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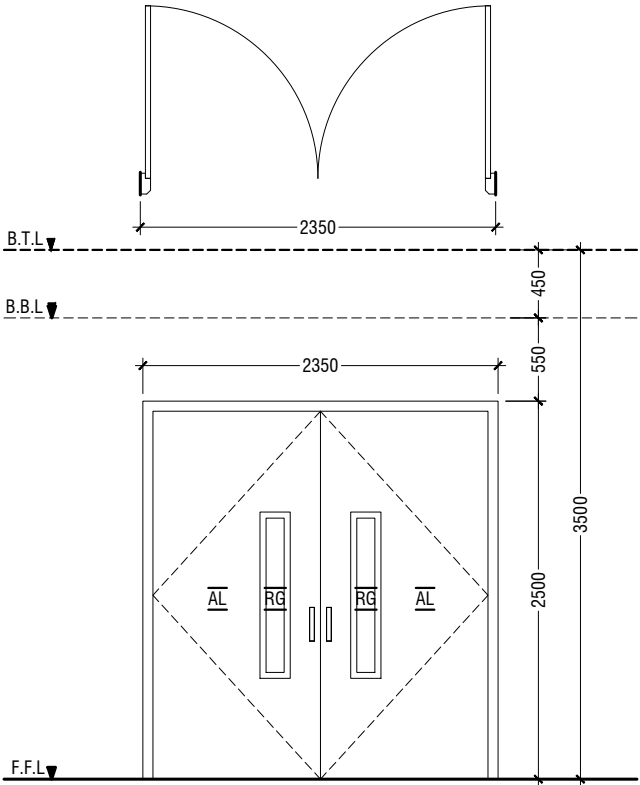
Project Number: R/07/702  
Date: October 2019  
Architect: Razana Amir  
Engineer: Ahmed Zuhair Zaeem  
Quantity Surveyor: P. Della Cruz  
Structural Engineer: Razana Amir  
Interior: -



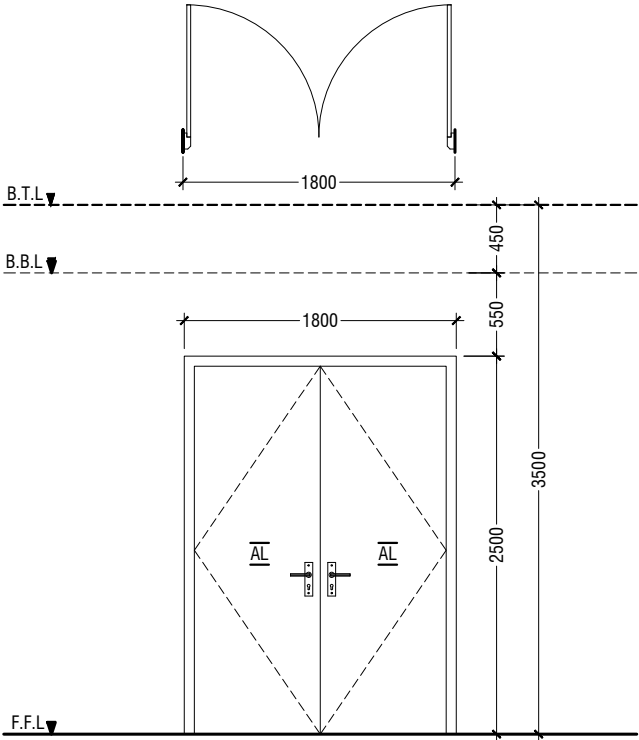
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3rd Floor, H. Azumi, Amarammugalu, Male'

Title: Section X-X  
Page: A-07/24

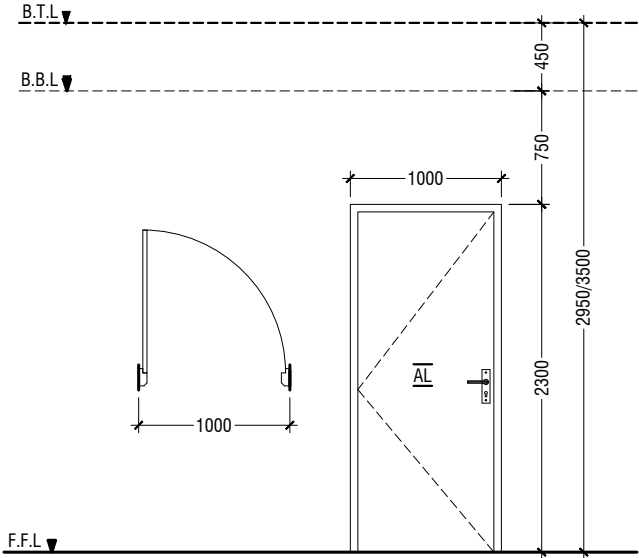
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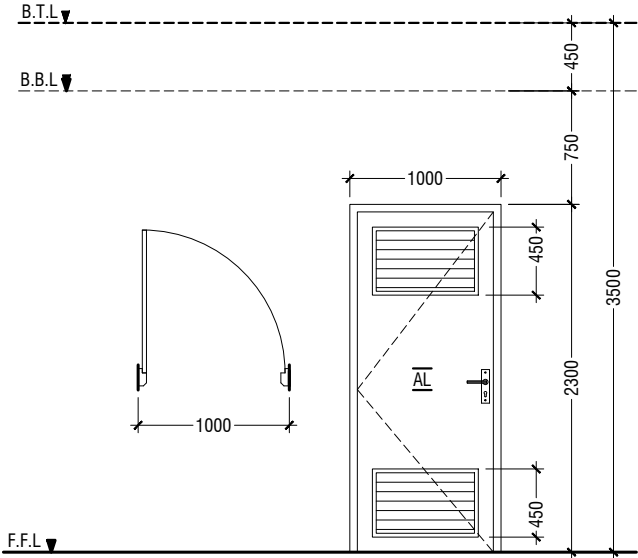
D1	DOUBLE SWING DOOR
REMARKS	50mm THICK WHITE POWDER COATED (60 MICRONS) ALUMINUM FRAMED WITH ALUMINIUM PANEL GLASS ON PANEL : 6mm THK REFLECTIVE GLASS
LOCATION	HALL MAIN ENTRANCE & AND CLASSROOMS
QUANTITY	01 NOS
OPEN AREA	5.39 sqm



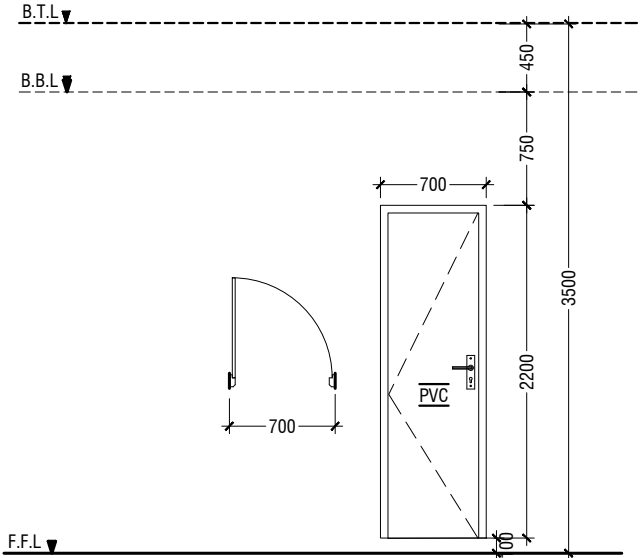
D2	DOUBLE SWING DOOR
REMARKS	50mm THICK WHITE POWDER COATED (60 MICRONS) ALUMINUM FRAMED WITH ALUMINIUM PANEL
LOCATION	HALL ENTRANCE & CORRIDOR
QUANTITY	6 NOS
OPEN AREA	4.05 sqm



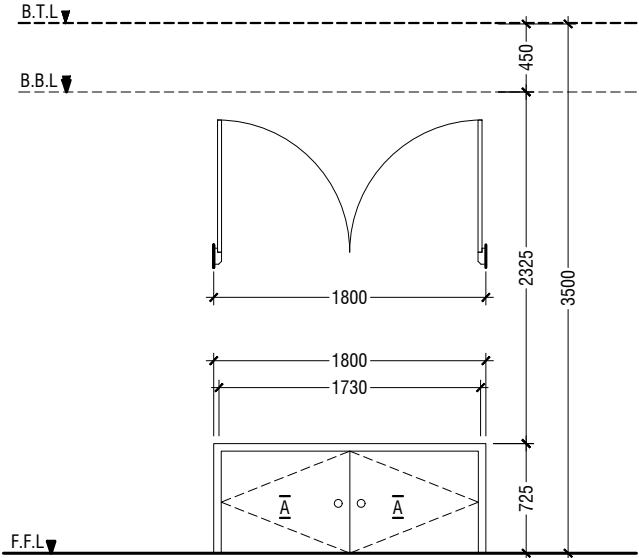
D3	SWING DOOR
REMARKS	50mm THICK WHITE POWDER COATED (60 MICRONS) ALUMINUM FRAMED WITH ALUMINIUM PANEL
LOCATION	STAGE, CONTROL ROOM & STORE ROOM
QUANTITY	4 NOS
OPEN AREA	2.03 sqm



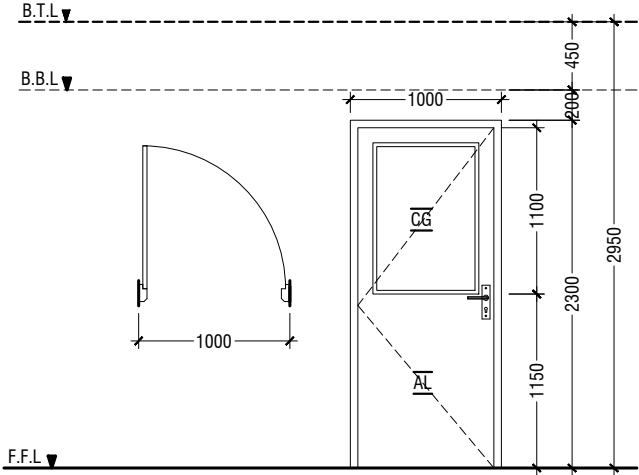
D4	SWING DOOR WITH ALUMINIUM LOUVERS
REMARKS	50mm THICK WHITE POWDER COATED (60 MICRONS) ALUMINUM FRAMED WITH ALUMINIUM PANEL AND ALUMINIUM LOUVERS
LOCATION	DISABLED TOILET, TOILET
QUANTITY	03 NOS
OPEN AREA	2.03 sqm



D5	PVC SWING DOOR
REMARKS	PVC WHITE FRAME AND PANEL
LOCATION	TOILETS, CHANGING ROOM, CLEANER CLOSET & STORAGE
QUANTITY	10 NOS
OPEN AREA	1.29 SQM



D6	DOUBLE SWING DOOR
REMARKS	50mm THICK WHITE POWDER COATED (60 MICRONS) ALUMINUM FRAMED WITH ALUMINIUM PANEL
LOCATION	STAGE STORE ACCESS
QUANTITY	1 NOS
OPEN AREA	1.15 SQM

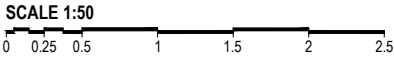


D7	SWING DOOR
REMARKS	50mm THICK WHITE POWDER COATED (60 MICRONS) ALUMINUM FRAMED WITH ALUMINIUM PANEL AND 6mm THICK CLEAR GLASS
LOCATION	CLASSROOMS
QUANTITY	8 NOS
OPEN AREA	2.03 sqm

**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



**R.Maduvaree School Hall & 08 Classroom ( 04 Storey)**  
**Client: Ministry of Education**

Rev no	Date
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Project Number: RI/2017/012  
Date: October 2019  
Architect : Razana Amir  
Engineer : Ahmed Zuhail Zaeem  
Drawn by : Leevan/Nick P. Dela Cruz  
Services : Aishath Ahmed Interior :-



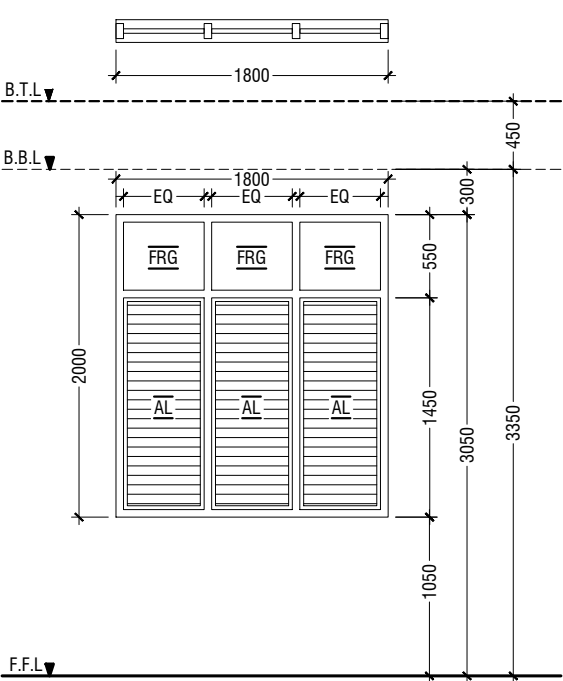
**RYAN PRIVATE LIMITED**

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

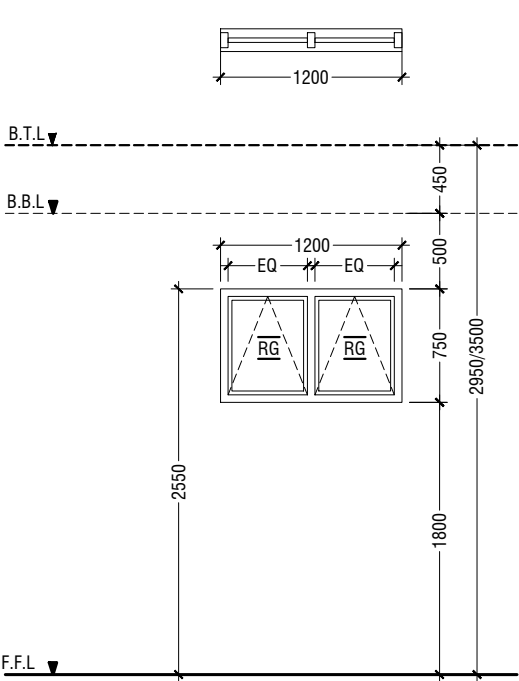
Title: Door / Window

Schedule - 1

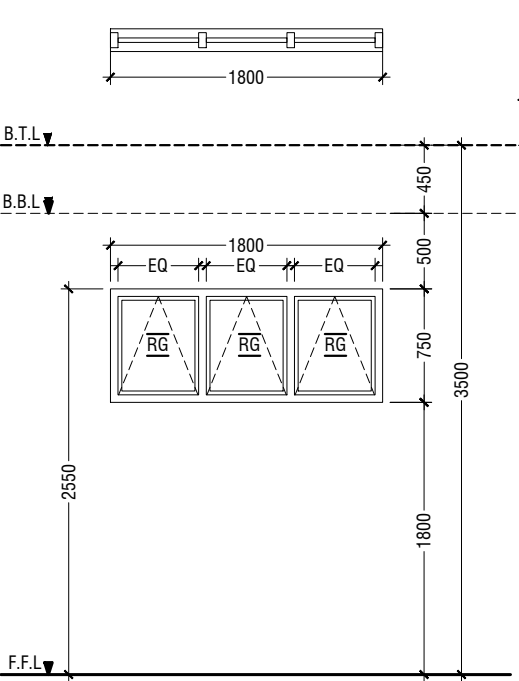
Page: A-08/24



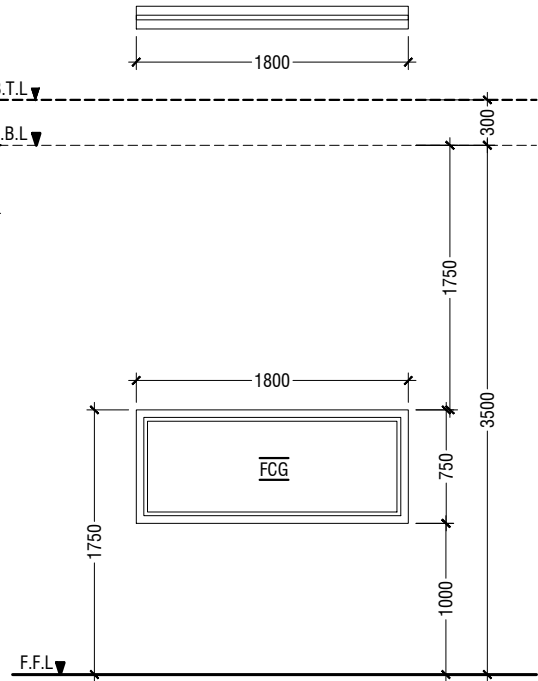
W1	WINDOW WITH FIXED GLASS & ALUMINIUM LOUVERS
REMARKS	50mm THICK WHITE POWDER COATED (60 MICRONS) ALUMINUM FRAMED WINDOW WITH ALUMINIUM LOUVERS AND 6mm THICK REFLECTED FIXED GLASS PANELS
LOCATION	HALL
QUANTITY	19 NOS
OPEN AREA	2.24 sqm



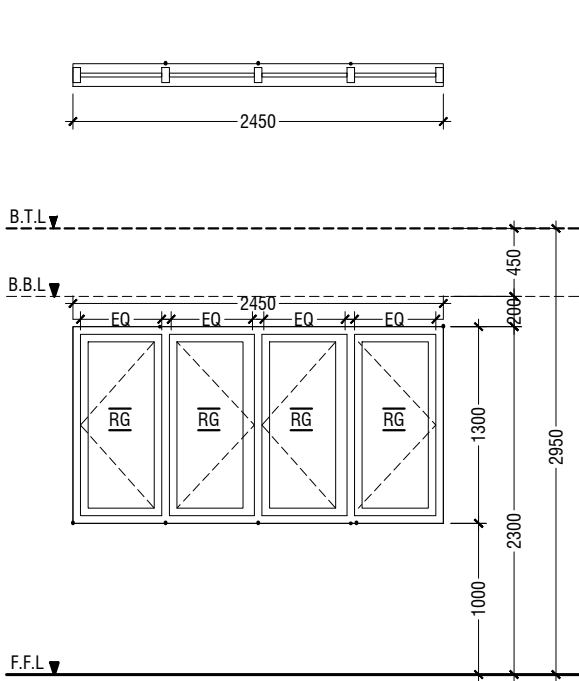
W2	TOP HUNG WINDOW
REMARKS	50mm THICK WHITE POWDER COATED (60 MICRONS) ALUMINUM FRAMED WINDOW WITH 6mm THICK REFLECTIVE GLASS
LOCATION	CHANGING ROOM, CONTROL ROOM & STORE ROOM
QUANTITY	07 NOS
OPEN AREA	0.68 sqm



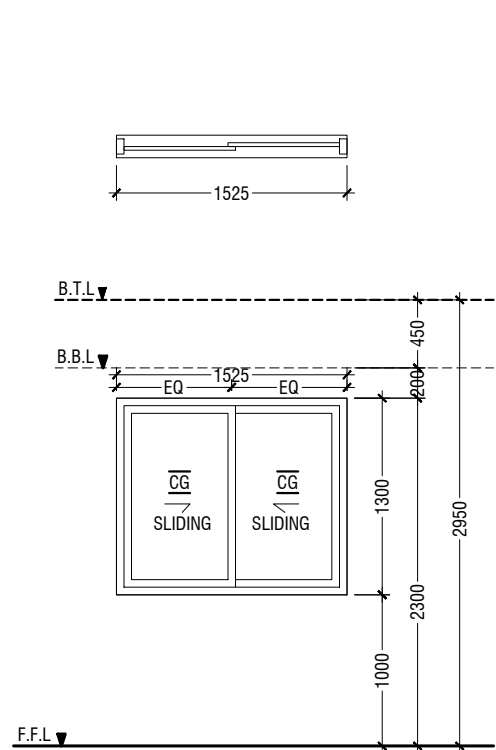
W3	TOP HUNG WINDOW
REMARKS	50mm THICK WHITE POWDER COATED (60 MICRONS) ALUMINUM FRAMED WINDOW WITH 6mm THICK REFLECTIVE GLASS
LOCATION	STORE ROOMS
QUANTITY	03 NOS
OPEN AREA	1.04 sqm



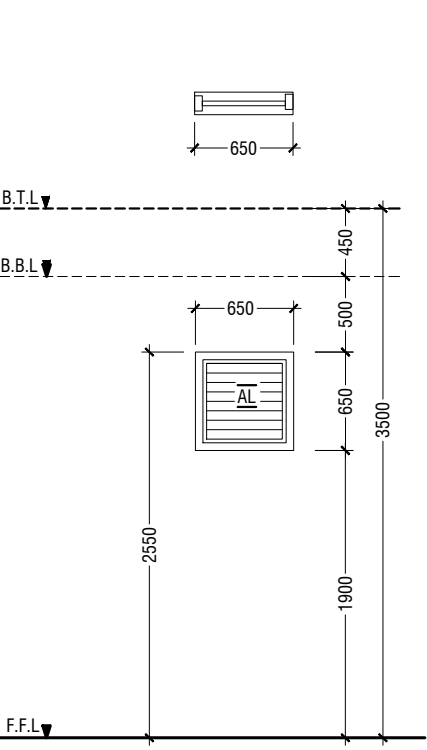
W4	FIXED WINDOW
REMARKS	50mm THICK WHITE POWDER COATED (60 MICRONS) ALUMINUM FRAMED WINDOW WITH 6mm THICK REFLECTIVE GLASS
LOCATION	CONTROL ROOM
QUANTITY	01 NOS
OPEN AREA	- sqm



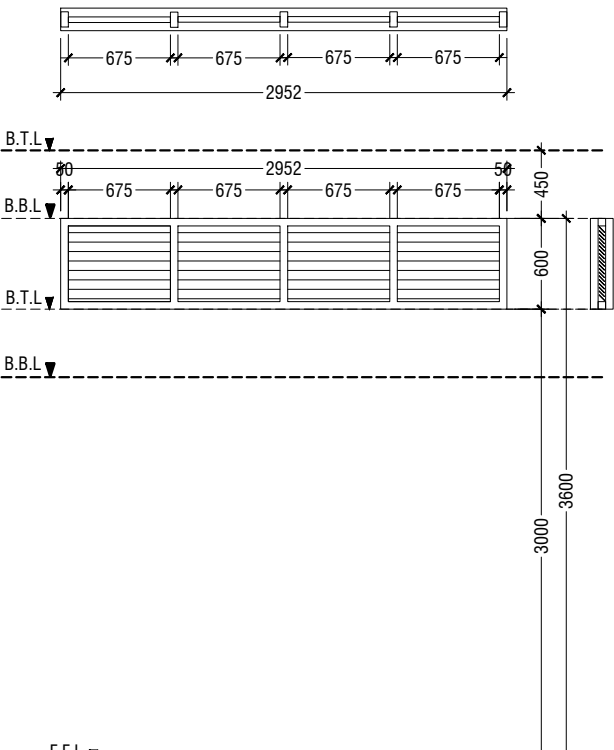
W5	SLIDING WINDOW
REMARKS	50mm THICK WHITE POWDER COATED (60 MICRONS) ALUMINUM FRAMED WITH ALUMINIUM PANEL AND 6mm THICK CLEAR GLASS
LOCATION	CLASSROOMS
QUANTITY	08 NOS
OPEN AREA	2.6 sqm



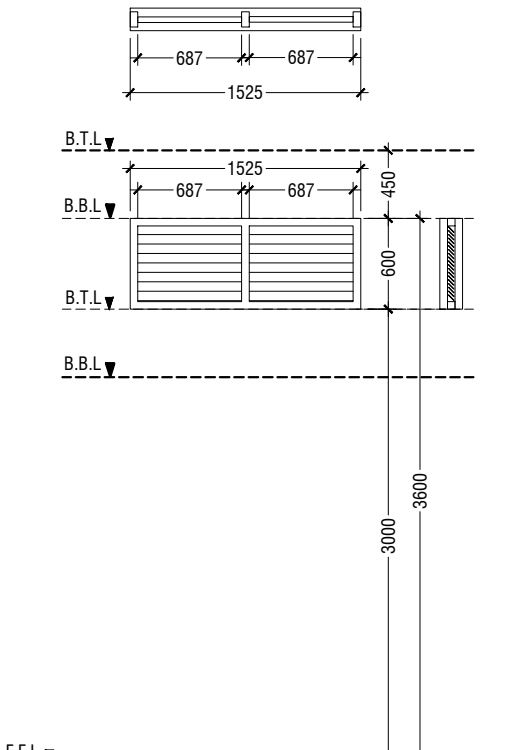
W6	SLIDING WINDOW
REMARKS	50mm THICK WHITE POWDER COATED (60 MICRONS) ALUMINUM FRAMED WITH ALUMINIUM PANEL AND 6mm THICK CLEAR GLASS
LOCATION	CLASSROOMS
QUANTITY	08 NOS
OPEN AREA	0.83 sqm



V1	WINDOW WITH ALUMINIUM LOUVERS
REMARKS	50mm THICK WHITE POWDER COATED (60 MICRONS) ALUMINUM FRAMED WINDOW WITH ALUMINIUM LOUVERS
LOCATION	TOILETS
QUANTITY	02 NOS
OPEN AREA	0.36 sqm



SS1	SUNSHADING
REMARKS	50mm THICK WHITE POWDER COATED (60 MICRONS) ALUMINUM FRAMED WITH ALUMINIUM LOUVERS
LOCATION	CORRIDOR
QUANTITY	10 NOS
OPEN AREA	1.35 SQM



SS2	SUNSHADING
REMARKS	50mm THICK WHITE POWDER COATED (60 MICRONS) ALUMINUM FRAMED WITH ALUMINIUM LOUVERS
LOCATION	CORRIDOR
QUANTITY	01 NO
OPEN AREA	0.68 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 - 2

SCALE 1:50  
0 0.25 0.5 1 1.5 2 2.5

R.Maduwaree School Hall & 08 Classroom ( 04 Storey)  
Client: Ministry of Education

## SCHEDULE OF VENTILATION FOR R.MADUVVAREE SCHOOL

	Room name	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	Multi-purpose Hall	299.28	D1,D3,D6,4D2 & 7W1	29.93	40.45	13.52%
2	Changing Room -1	5.53	D5 & W2	0.55	1.97	35.62%
3	Changing Room -2	11.31	W2	1.13	0.68	6.01%
4	Toilet for Disable	5.09	D4	0.51	2.03	39.88%
	<b>First Floor</b>					
5	Control Room	12.25	D3 & 2W2	1.23	3.39	27.67%
6	Store Room	31.93	2W3,W2 & D3	3.19	4.79	15.00%
	<b>Second &amp; Third Floor</b>					
7	Classroom 1	65.31	2W6, 2D7 & 2W5	6.53	10.92	16.72%
8	Classroom 2	65.31	2W6, 2D7 & 2W5	6.53	10.92	16.72%
9	Classroom 3	65.31	2W6, 2D7 & 2W5	6.53	10.92	16.72%
10	Classroom 4	65.31	2W6, 2D7 & 2W5	6.53	10.92	16.72%
11	Toilet (Female)	16.24	RC FINS			
12	Toilet (Female)	16.24	RC FINS			
13	Storeroom	11.74	D5	1.17	1.36	11.58%
14	Cleaner closet	7.96	Mechanical Ventilation			
15	Storage	6.26	Mechanical Ventilation			

### VENTILATION SCHEDULE

R.Maduvaree School Hall & 08 Classroom ( 04 Storey)  
 Client: Ministry of Education

Project Number: RI/2017/012  
 Date: October 2019  
 Architect: Razana Amir  
 Engineer: Ahmed Zuhail Zaeem  
 Drawn by: Leevan/Nick P. Dela Cruz  
 Services: Aishath Ahmed  
 Interior: -

Rev no	Date
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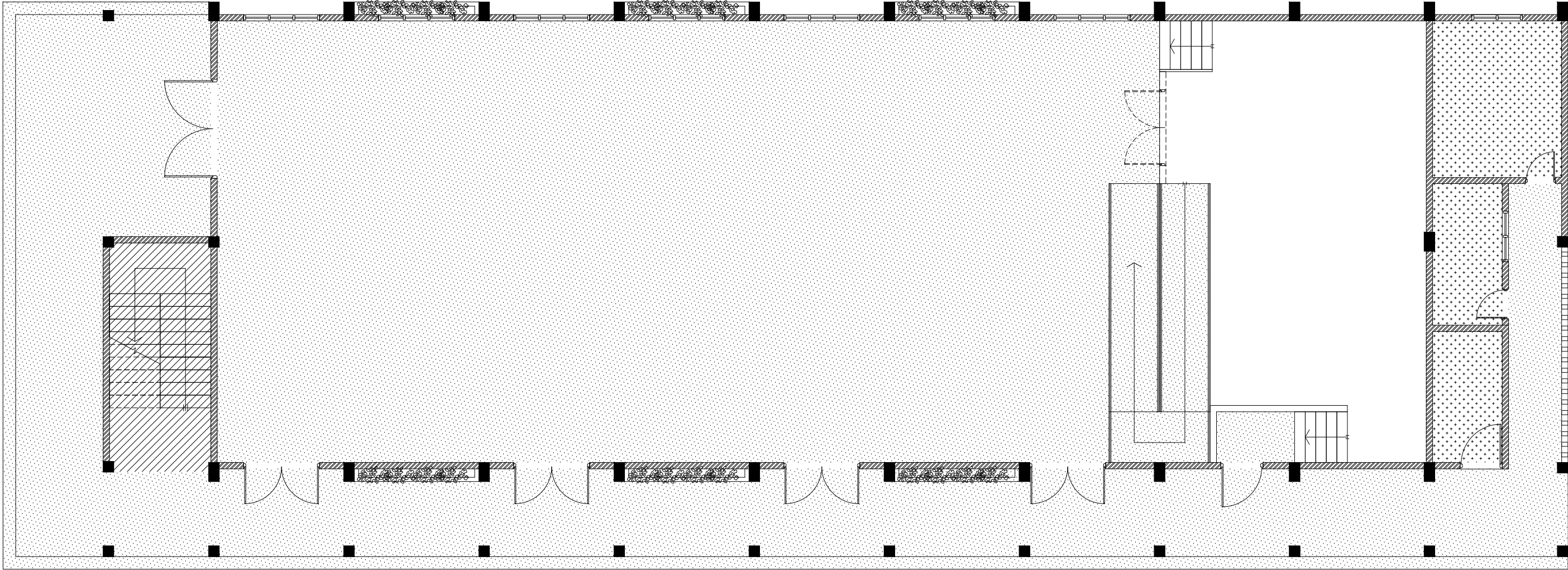
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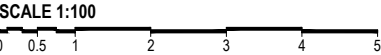
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Page: A-10/24

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GROUND 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

R.Maduwaree School Hall & 08 Classroom ( 04 Storey )  
Client: Ministry of Education



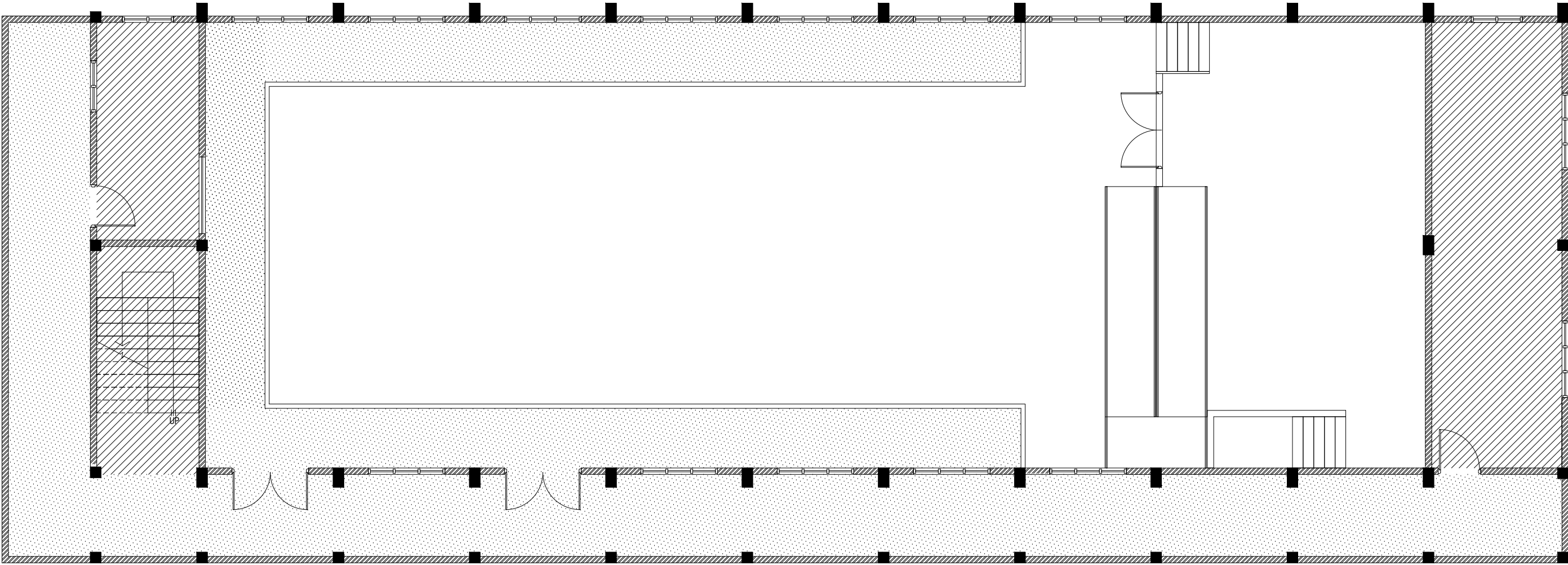
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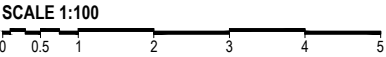
Project Number: RI/2017/012  
Date: October 2019  
Architect : Razana Amir  
Engineer : Ahmed Zuhail Zaeem  
Drawn by : Leevan/Nick P. Dela Cruz  
Services : Aishath Ahmed  
Interior : -

Rev no	Date
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FIRST 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

R.Maduwaree School Hall & 08 Classroom ( 04 Storey)  
Client: Ministry of Education

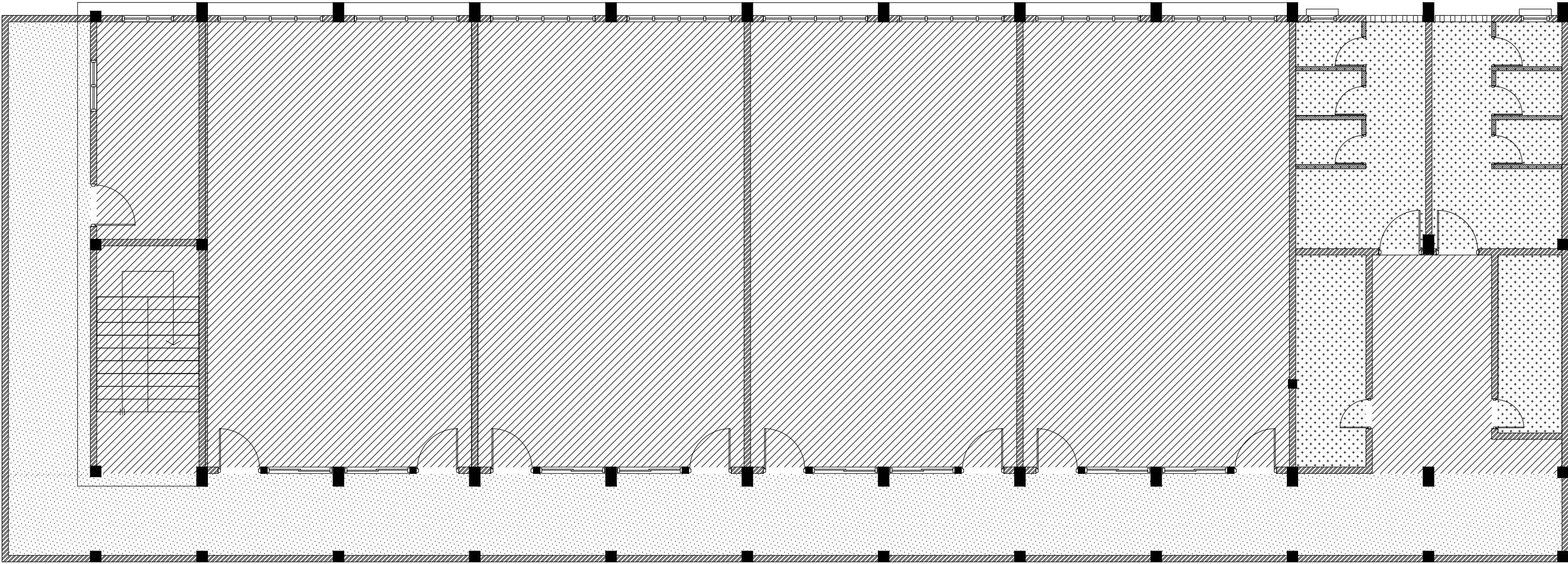


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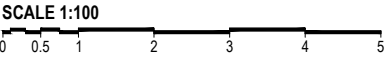
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Project Number: RI/2017/012  
Date: October 2019  
Architect : Razana Amir  
Engineer : Ahmed Zuhail Zaeem  
Drawn by : Leevan/Nick P. Dela Cruz  
Services : Aishath Ahmed  
Interior : -

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SECOND & THIRD 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

R.Maduvaree School Hall & 08 Classroom ( 04 Storey)  
Client: Ministry of Education

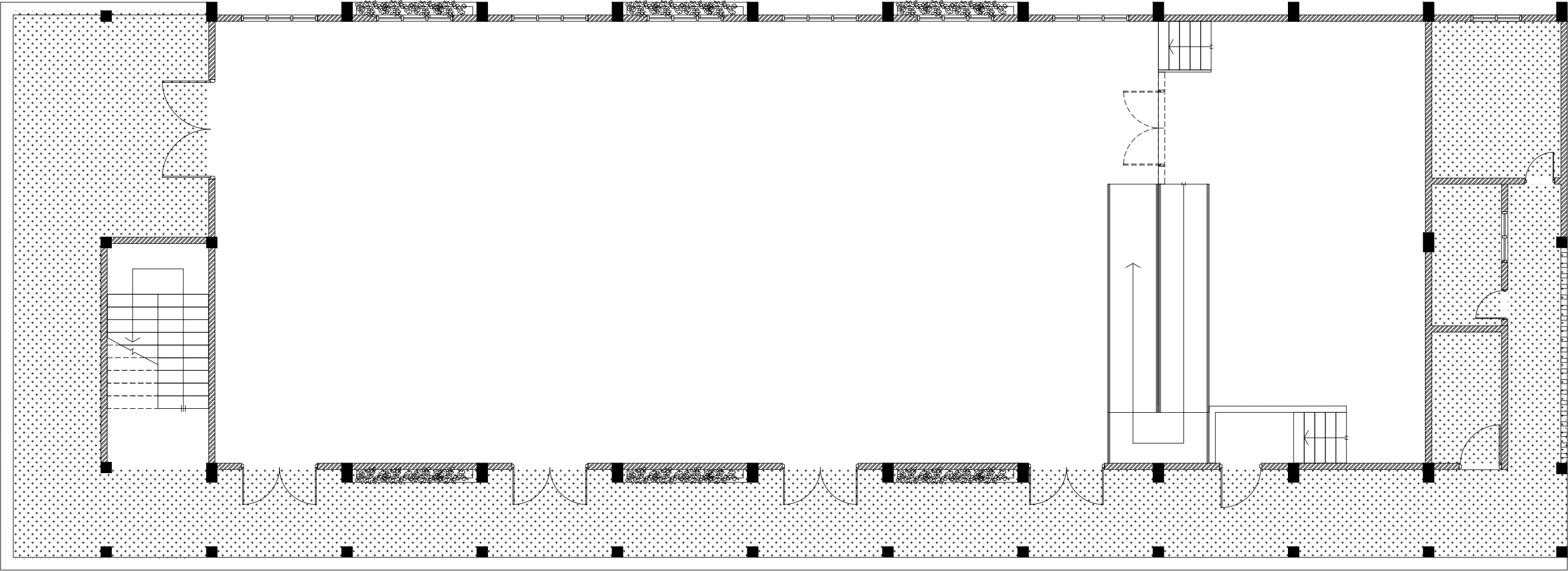


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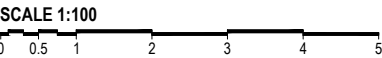
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Date: October 2019  
Architect : Razana Amir  
Engineer : Ahmed Zuhail Zaeem  
Drawn by : Leevan/Nick P. Dela Cruz  
Services : Aishath Ahmed  
Interior : -

Rev no	Date
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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
	SUSPENDED ACOUSTIC CEILING SYSTEM WITH TIMBER FRAMING CEILING HEIGHT : +6875mm
	FIXED CEILING 'BORAL' OR EQUIVALENT PLASTERBOARD CEILING SYSTEM WITH TIMBER FRAMES, APPLIED WITH GROUND SMOOTH FINISH IN SELECTED PAINT

R.Maduvaree School Hall & 08 Classroom ( 04 Storey)  
Client: Ministry of Education



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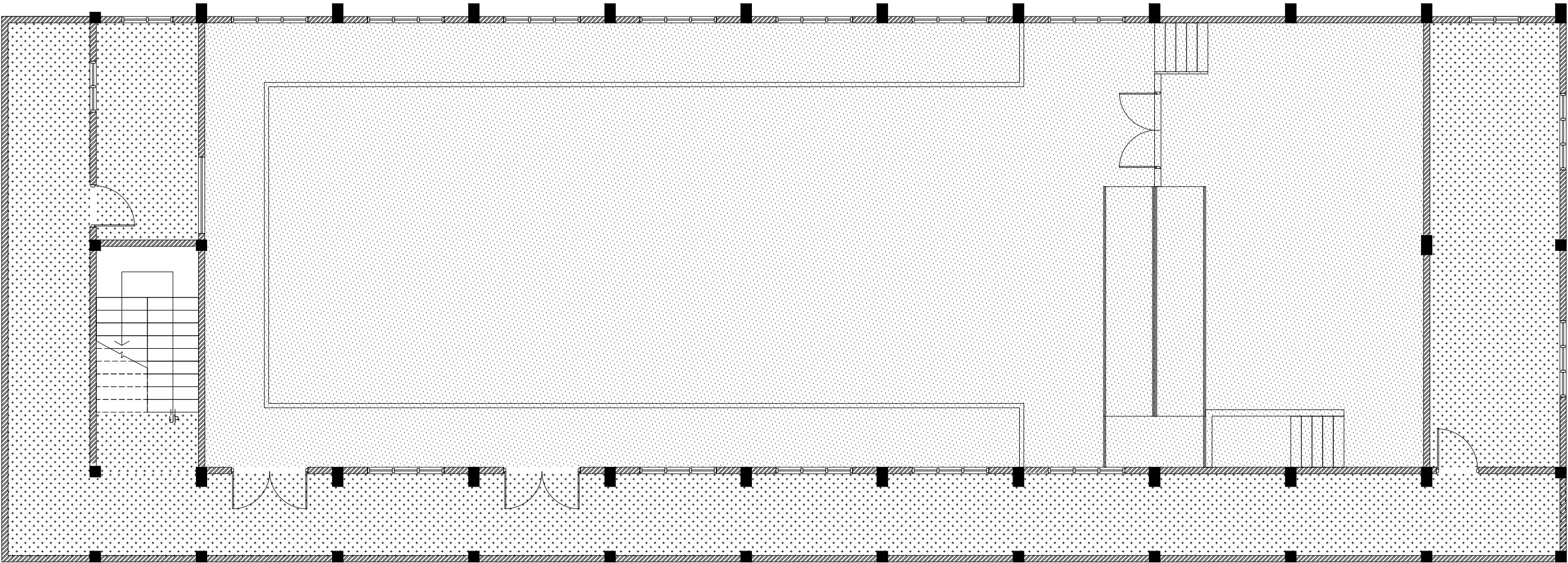
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e : info@riyan.com.mv  
w : www.riyan.com.mv  
3rd floor, H. Azumi, Ameerneemagau, Male'

Project Number: RI/2017/012  
Date: October 2019  
Architect : Razana Amir  
Engineer : Ahmed Zuhail Zaeem  
Drawn by : Leevan/Nick P. Dela Cruz  
Services : Aishath Ahmed  
Interior : -

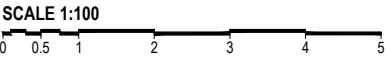
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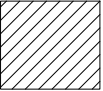

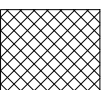
Date  
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FIRST FLOOR  
REFLECTED CEILING PLAN



CODE	DESCRIPTION
	EXPOSED SLAB SOFFIT TO BE FINISHED WITH GROUND SMOOTH FINISH IN SELECTED PAINT
	CEMENT BOARD CEILING
	SUSPENDED ACOUSTIC CEILING SYSTEM WITH TIMBER FRAMING CEILING HEIGHT : + 6875mm
	FIXED CEILING 'BORAL' OR EQUIVALENT PLASTERBOARD CEILING SYSTEM WITH TIMBER FRAMES, APPLIED WITH GROUND SMOOTH FINISH IN SELECTED PAINT

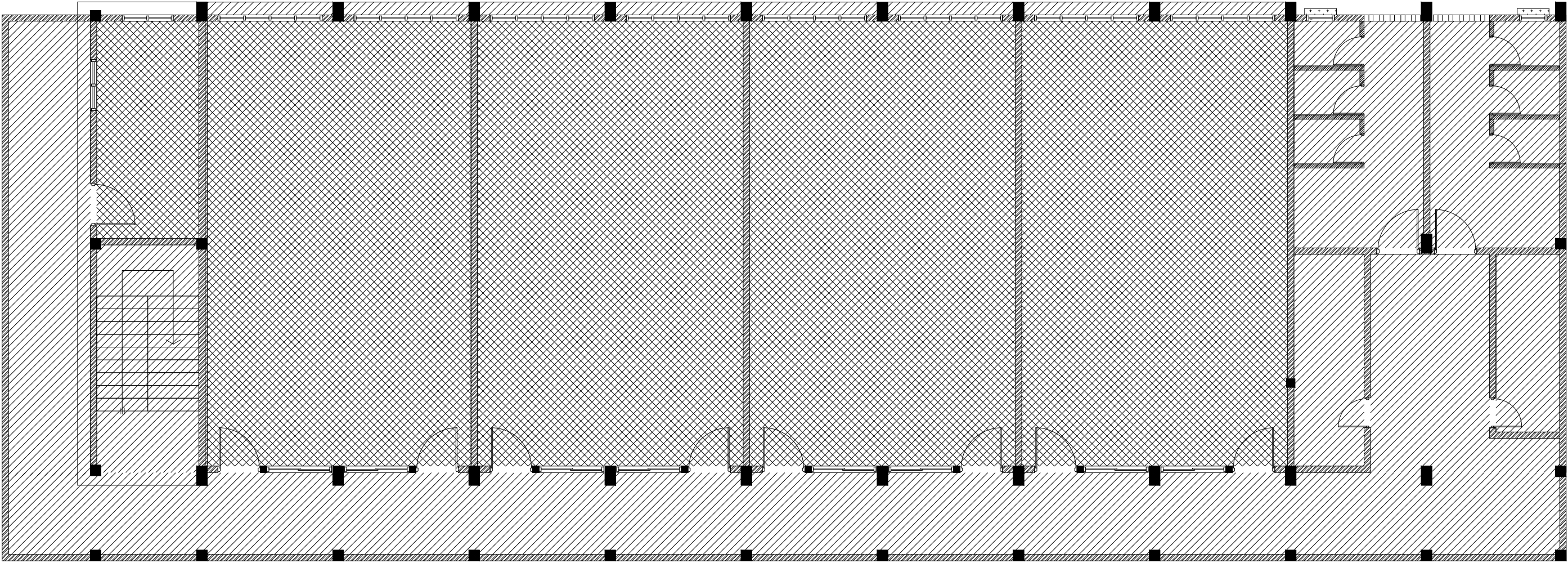
R.Maduvaree School Hall & 08 Classroom ( 04 Storey)  
Client: Ministry of Education



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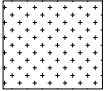


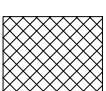
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# SECOND & THIRD FLOOR REFLECTED CEILING PLAN

SCALE 1:100

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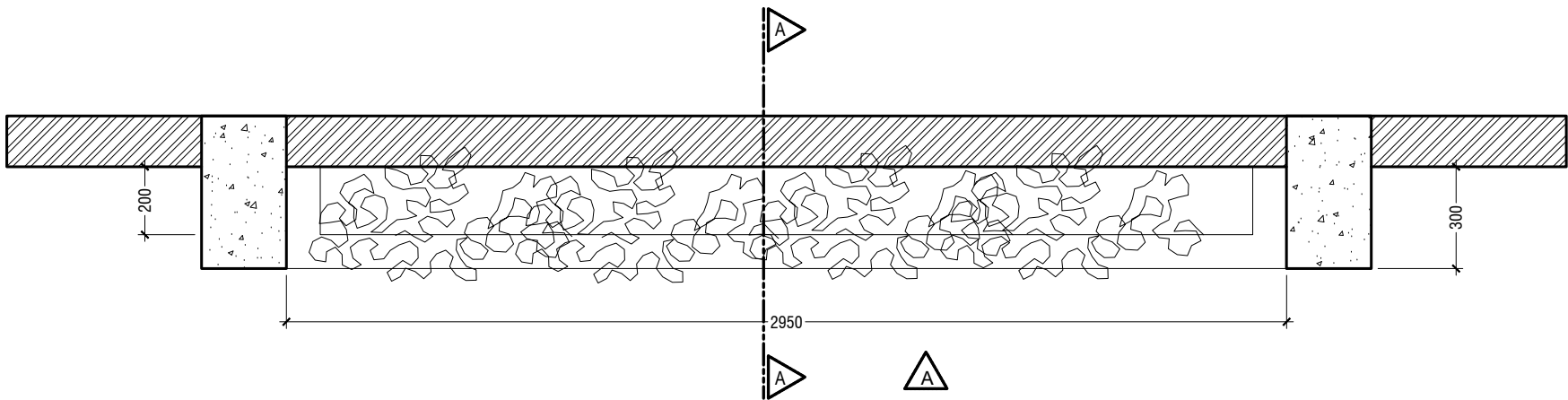
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	SUSPENDED ACOUSTIC CEILING SYSTEM WITH TIMBER FRAMING CEILING HEIGHT : +6875mm
	FIXED CEILING 'BORAL' OR EQUIVALENT PLASTERBOARD CEILING SYSTEM WITH TIMBER FRAMES, APPLIED WITH GROUND SMOOTH FINISH IN SELECTED PAINT

R.Maduwaree School Hall & 08 Classroom ( 04 Storey )  
Client: Ministry of Education

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

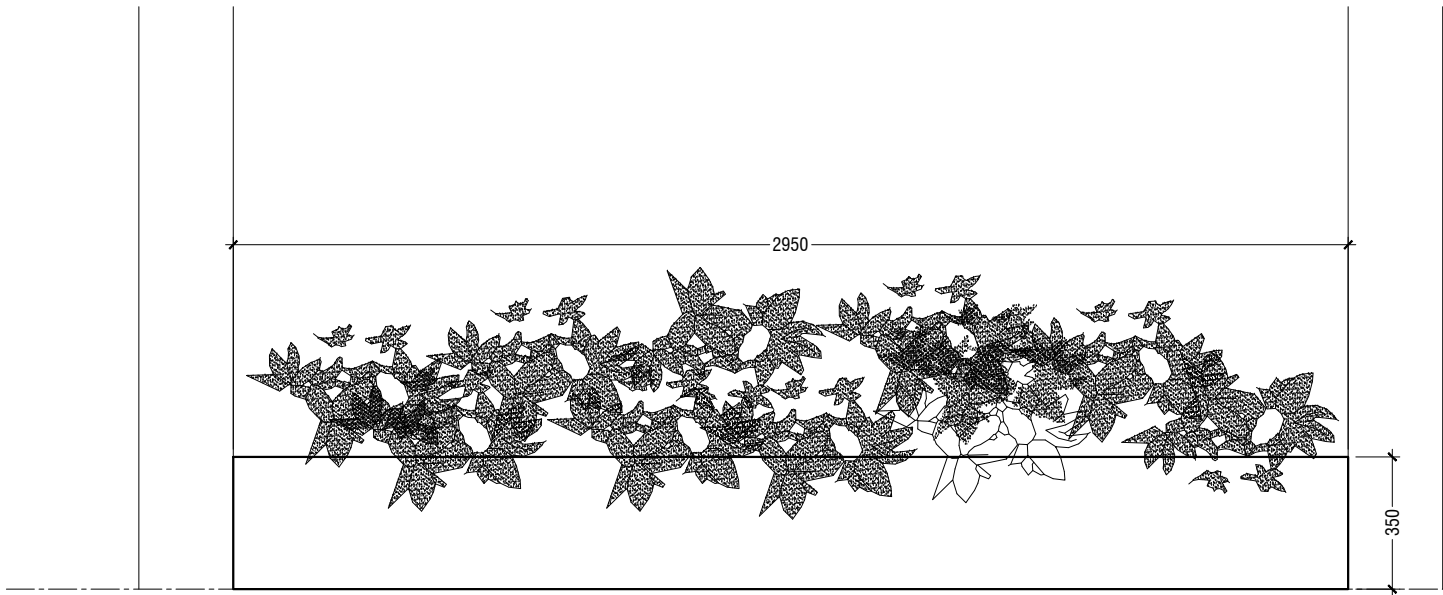
Title: Second & Third Floor  
Reflected Ceiling Plan  
Page: A-16/24

Project Number: RI/2017/012  
Date: October 2019  
Architect : Razana Amir  
Engineer : Ahmed Zuhail Zaeem  
Drawn by : Leevan/Nick P. Dela Cruz  
Services : Aishath Ahmed  
Interior : -  
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**PLAN**

SCALE 1:20

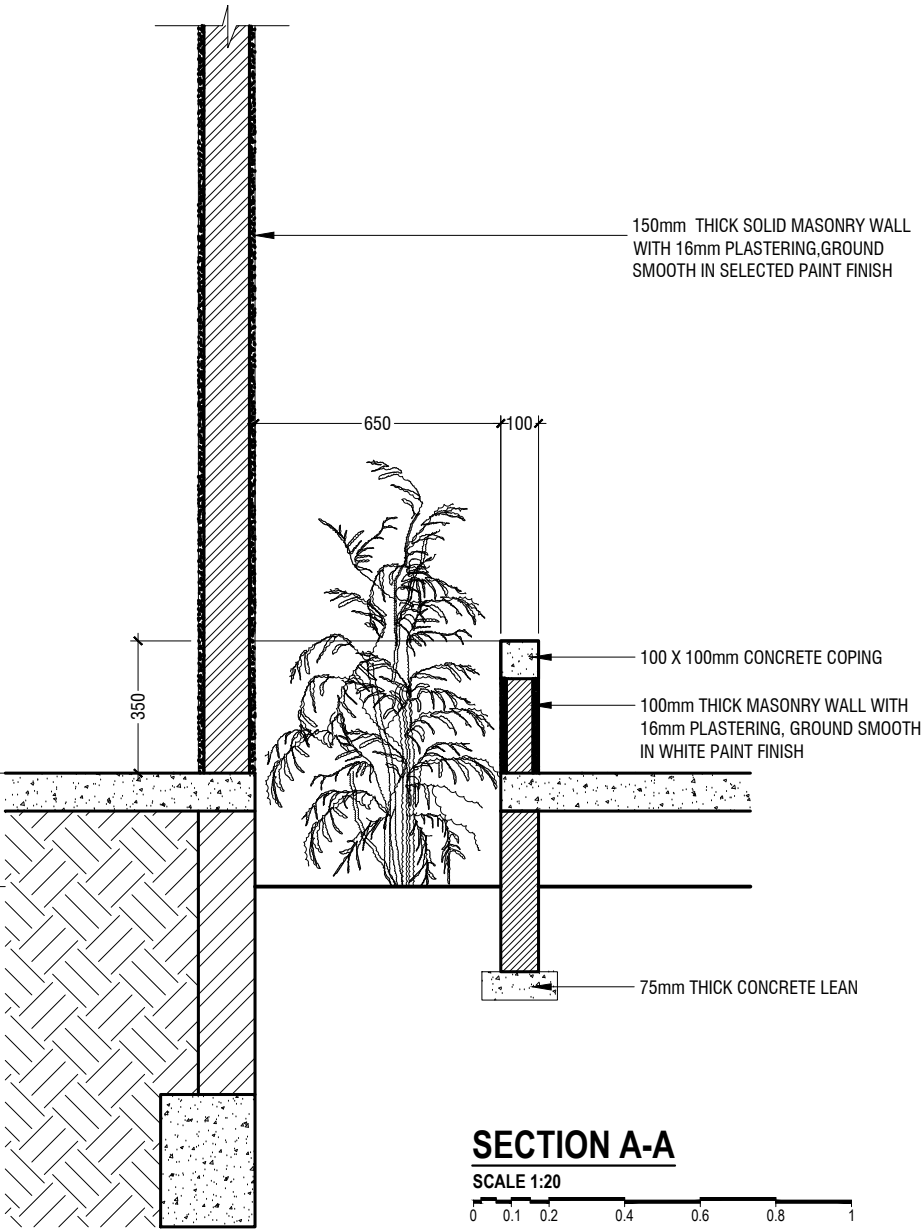


**ELEVATION A**

SCALE 1:20



**TYPICAL PLANTER BOX DETAILS**



**SECTION A-A**

SCALE 1:20



R.Maduwaree School Hall & 08 Classroom ( 04 Storey)  
Client: Ministry of Education



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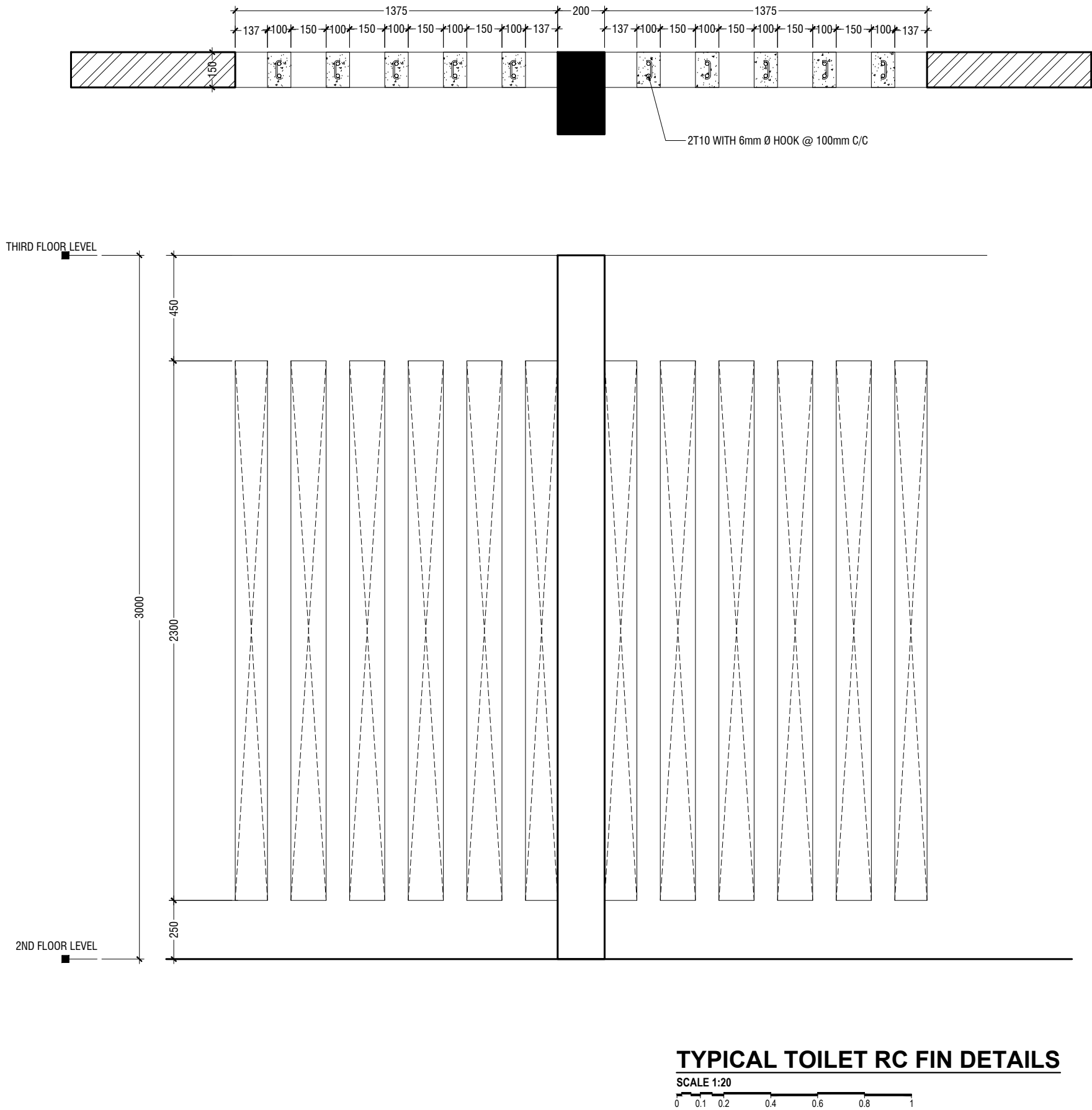
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3rd floor, H. Azum, Aneeneemagu, Male'

Title: Planter Box Details

Page: A-17/24

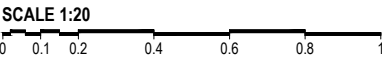
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Date: October 2019	--	-----
Architect : Razana Amir	--	-----
Engineer : Ahmed Zuhail Zaeem	--	-----
Drawn by : Leevan/Nick P. Dela Cruz	--	-----
Services : Aishath Ahmed	--	-----
Interior : -	--	-----

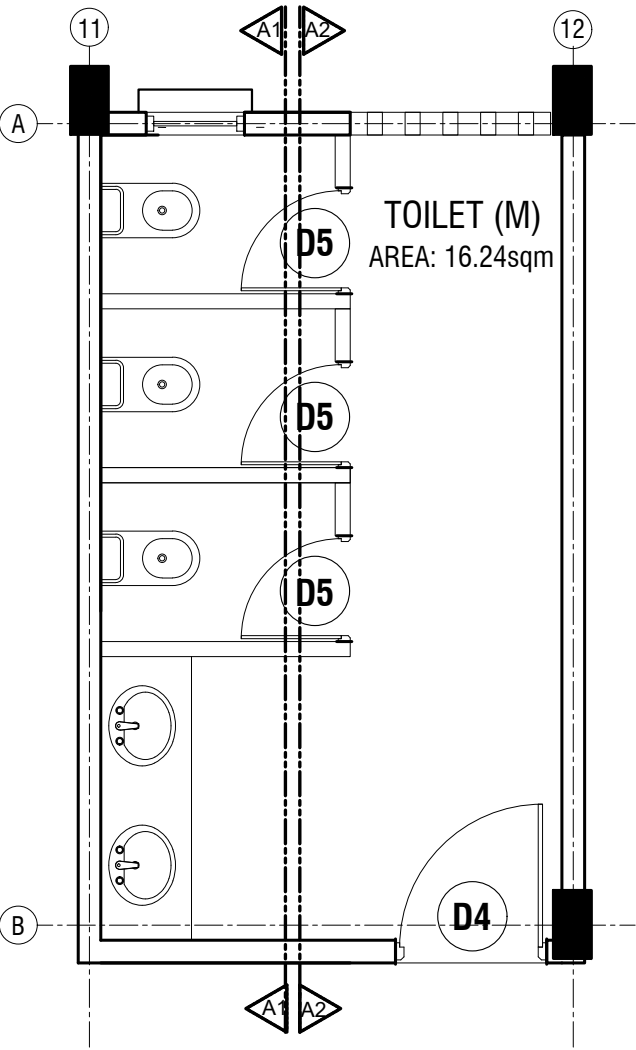
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Client: Ministry of Education

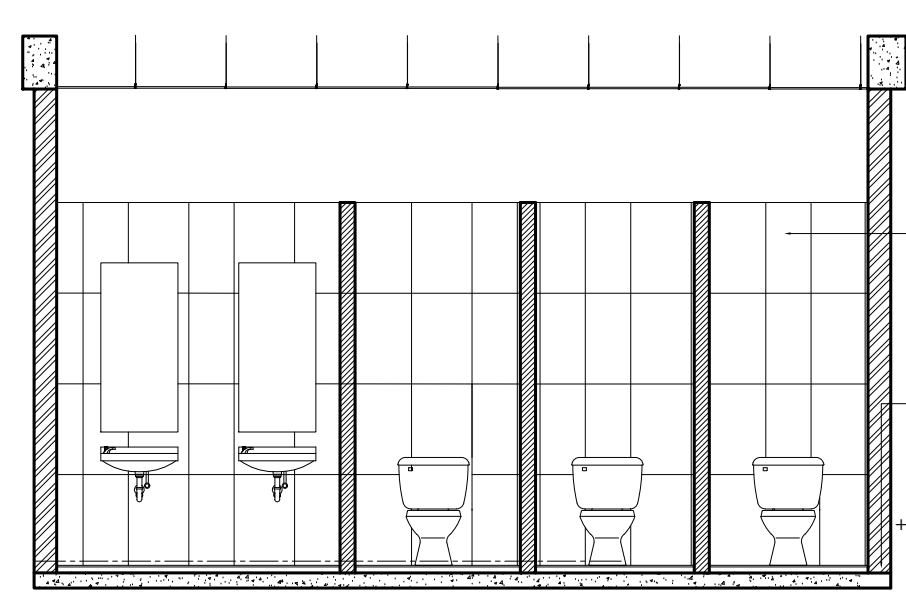
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Architect : Razana Amir	--	-----
Engineer : Ahmed Zuhail Zaeem	--	-----
Drawn by : Leevan/Nick P. Dela Cruz	--	-----
Services : Aishath Ahmed	--	-----
Interior :-	--	-----





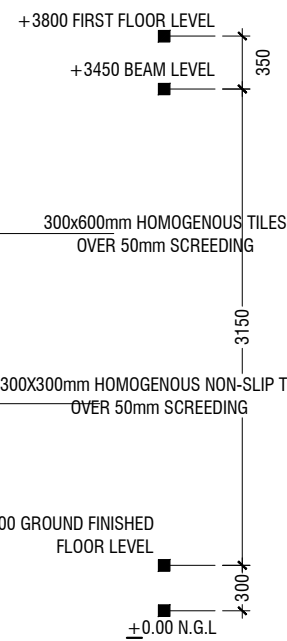
**TYPICAL TOILET PLAN**

SCALE 1:50



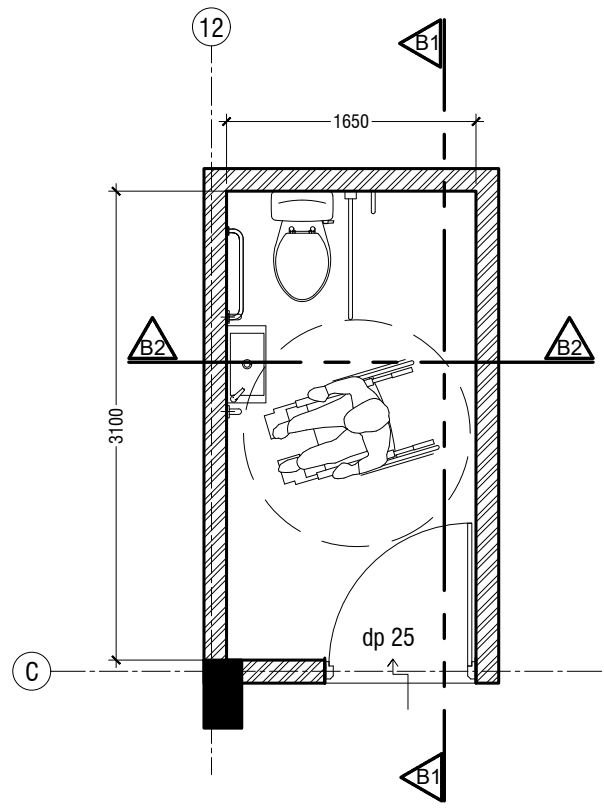
**SECTION A1-A1**

SCALE 1:50



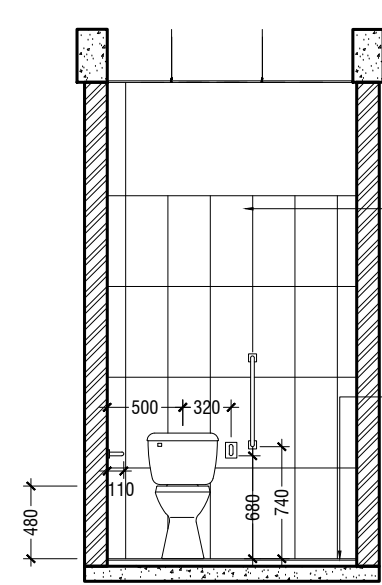
**SECTION A2-A2**

SCALE 1:50



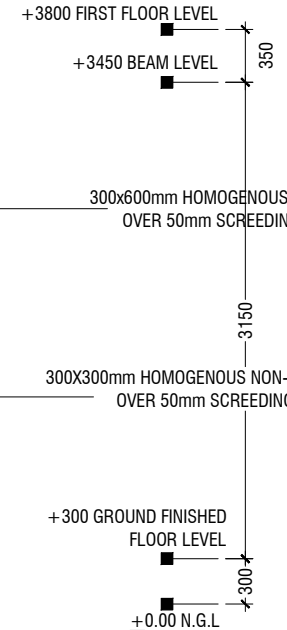
**TOILET FOR PERSONS WITH DISABILITIES PLAN**

SCALE 1:50



**SECTION B1-B1**

SCALE 1:50



**SECTION B2-B2**

SCALE 1:50

R.Maduwaree School Hall & 08 Classroom ( 04 Storey)  
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
6	2017/01/02
7	2017/01/02
8	2017/01/02
9	2017/01/02
10	2017/01/02

Project Number: RI/2017/012  
Date: October 2019  
Architect: Razana Amir  
Engineer: Ahmed Zuhail Zaeem  
Drawn by: Leevan/Nick P. Dela Cruz  
Services: Aishath Ahmed  
Interior: -



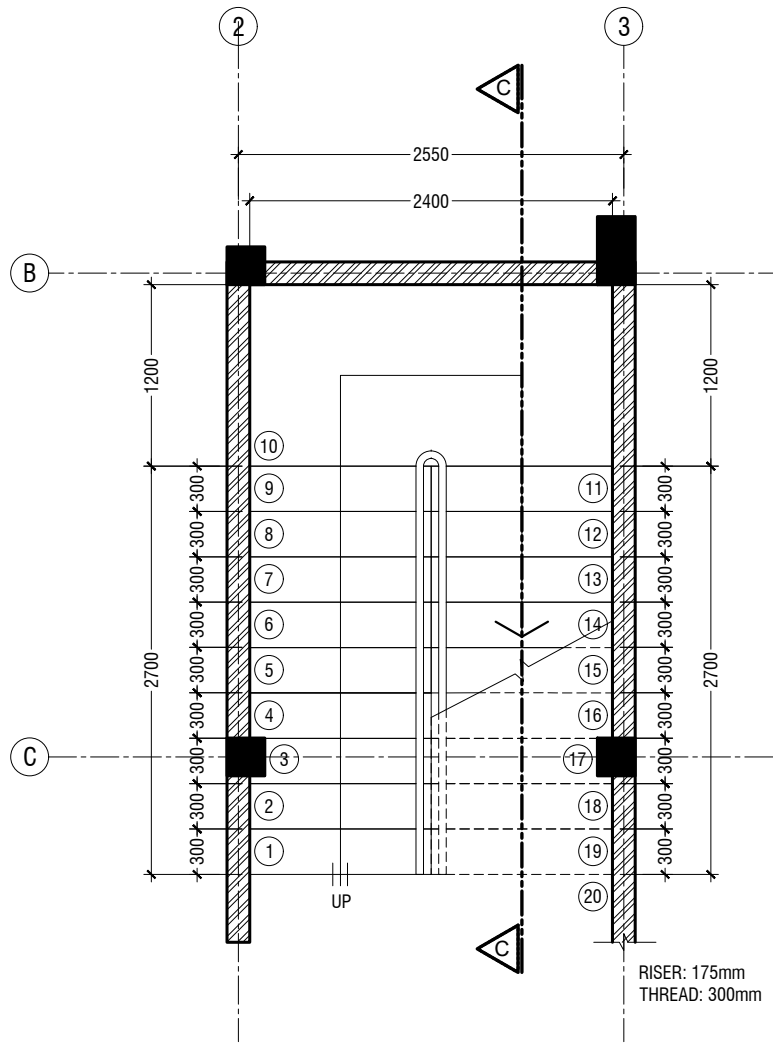
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e: info@ryan.com.mv  
w: www.ryan.com.mv  
3rd floor, H. Azum, Aneeneemagu, Male'

Title: Toilet Details

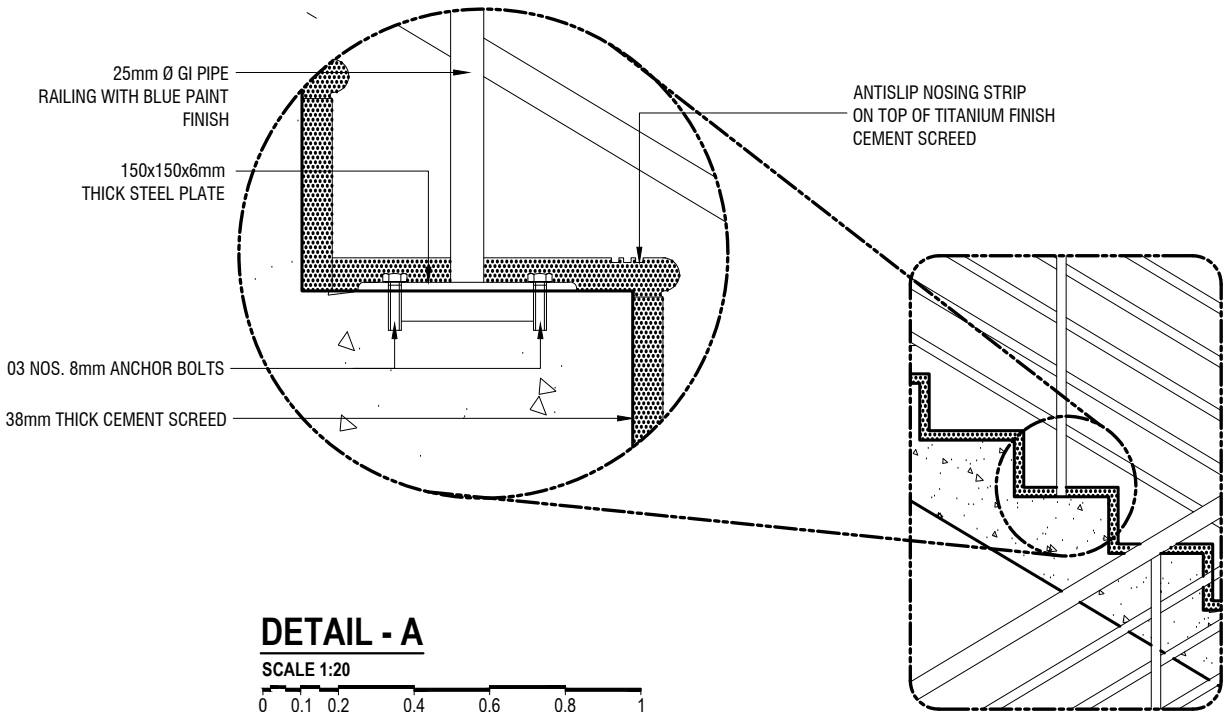
Page: A-20/24

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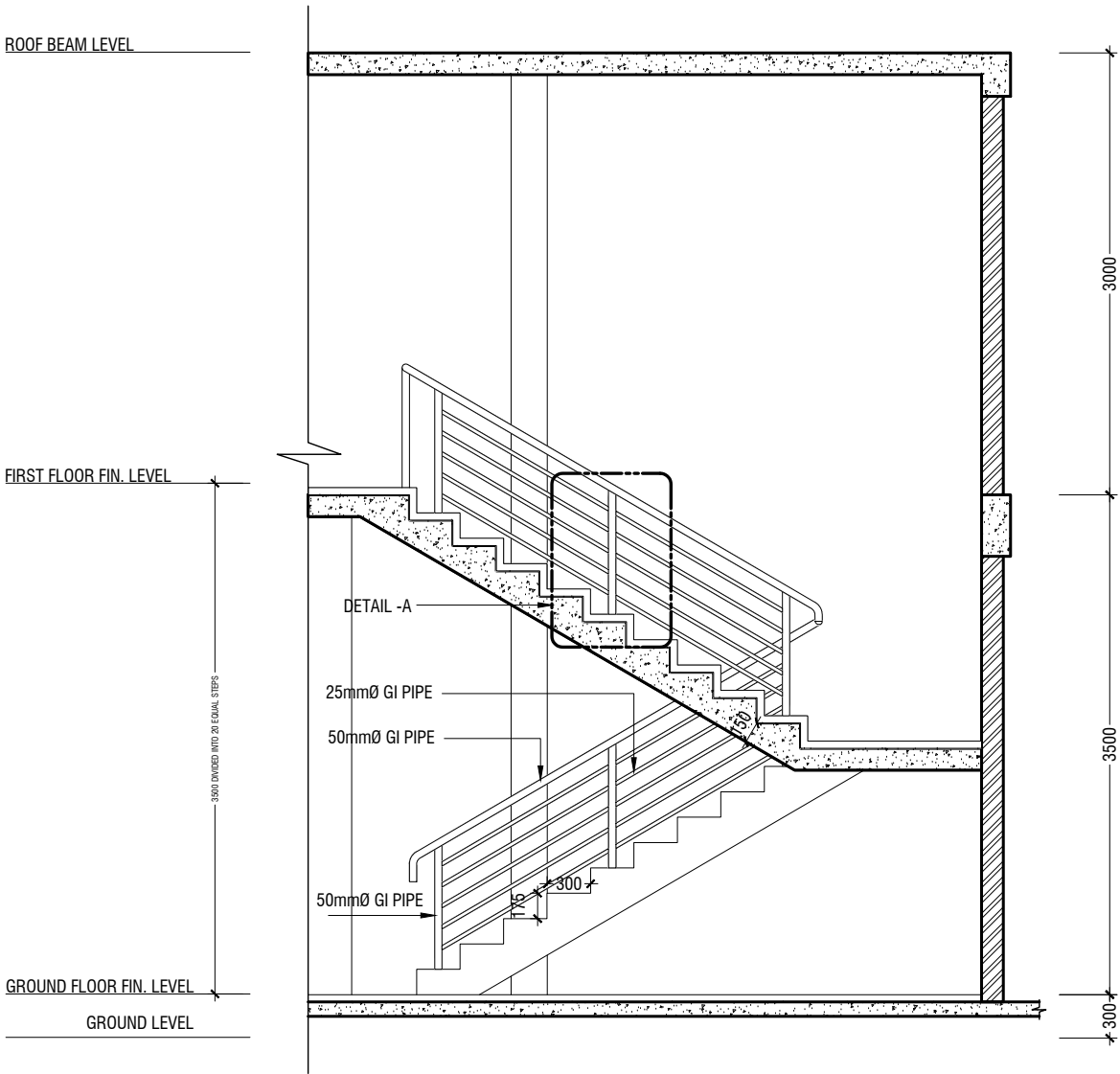
MAIN STAIRCASE PLAN

SCALE 1:50



DETAIL - A

SCALE 1:20



SECTION C-C

SCALE 1:50

MAIN STAIRCASE DETAILS

SCALE 1:50

R.Maduwaree School Hall & 08 Classroom ( 04 Storey)  
Client: Ministry of Education

Rev no	Date
--	-----
--	-----
--	-----
--	-----

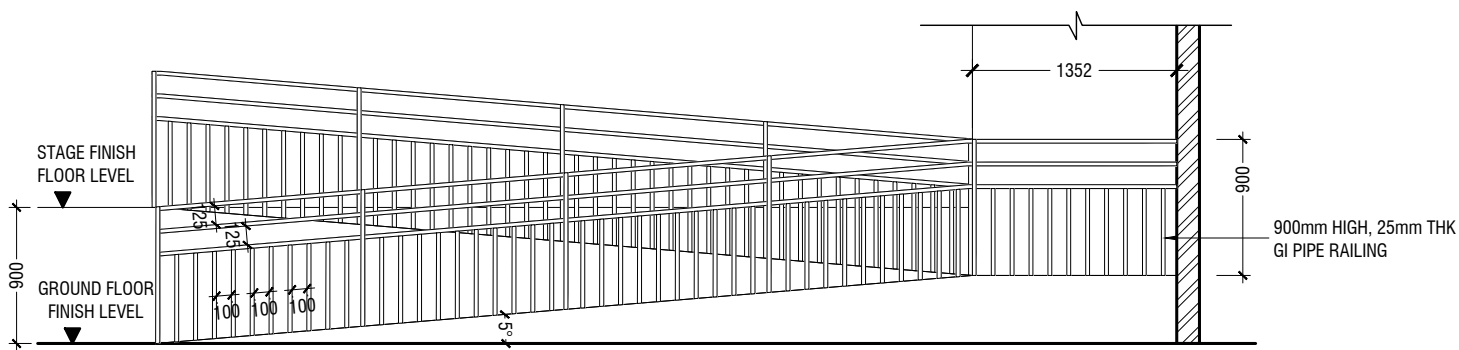
Project Number: RI/2017/012  
Date: October 2019  
Architect : Razana Amir  
Engineer : Ahmed Zuhail Zaeem  
Drawn by : Leevan/Nick P. Dela Cruz  
Services : Aishath Ahmed  
Interior :-



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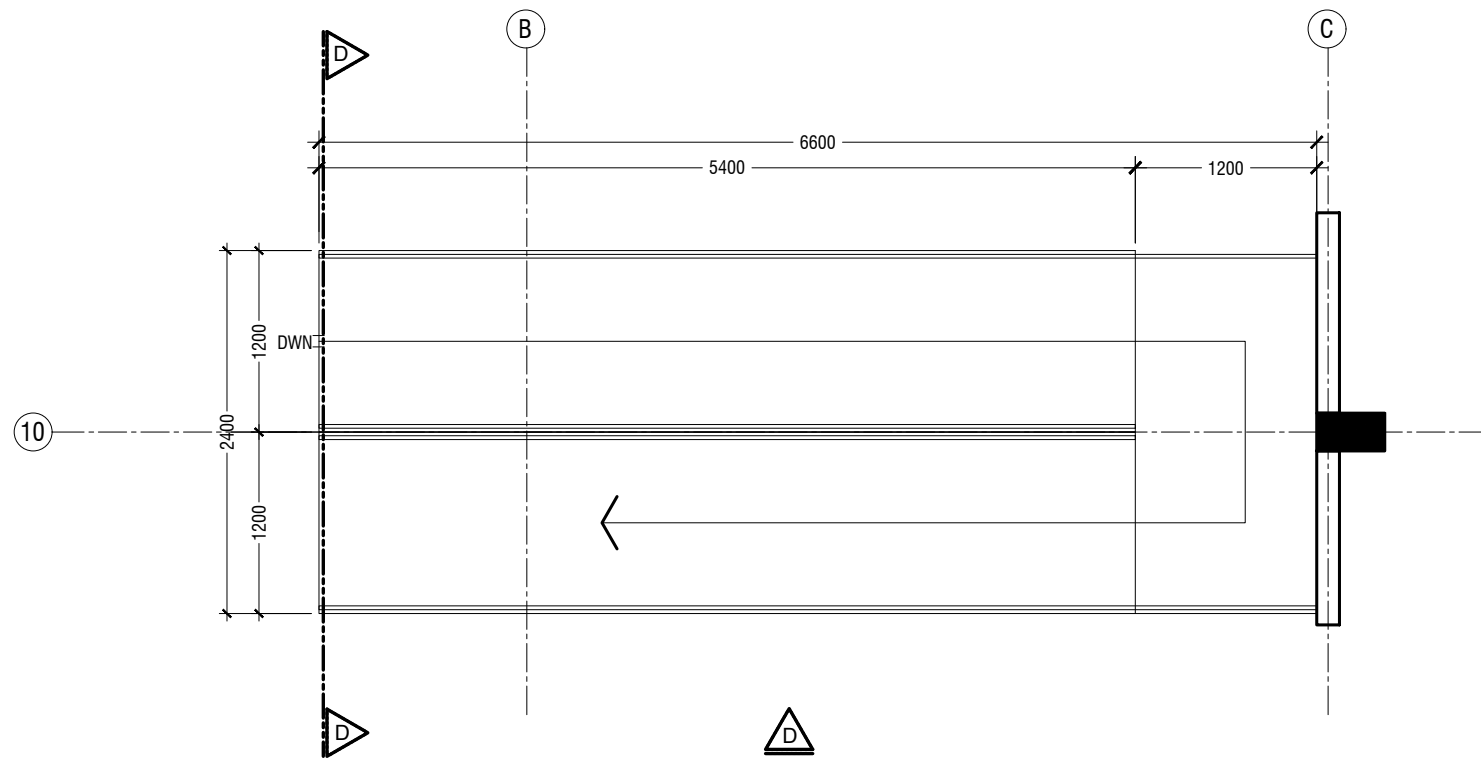
t: +9603315049 f: +9603310776  
e: info@ryan.com.mv  
w: www.ryan.com.mv  
3rd floor, H. Azum, Ameerneemagu, Male'

Title: Main Staircase Detail

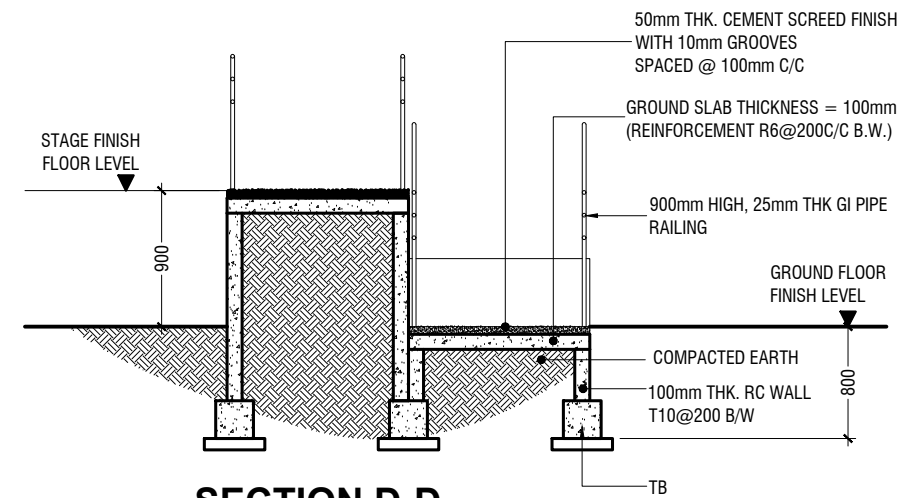


**ELEVATION D**

**STAGE RAMP DETAIL**



**PLAN**



**SECTION D-D**

R.Maduwaree School Hall & 08 Classroom ( 04 Storey)  
Client: Ministry of Education

Rev no	Date
1	2017/10/12
2	2017/10/12
3	2017/10/12
4	2017/10/12
5	2017/10/12
6	2017/10/12
7	2017/10/12
8	2017/10/12
9	2017/10/12
10	2017/10/12

Project Number: RI/2017/012  
Date: October 2019  
Architect: Razana Amir  
Engineer: Ahmed Zuhail Zaeem  
Drawn by: Leevan/Nick P. Dela Cruz  
Services: Aishath Ahmed  
Interior :-



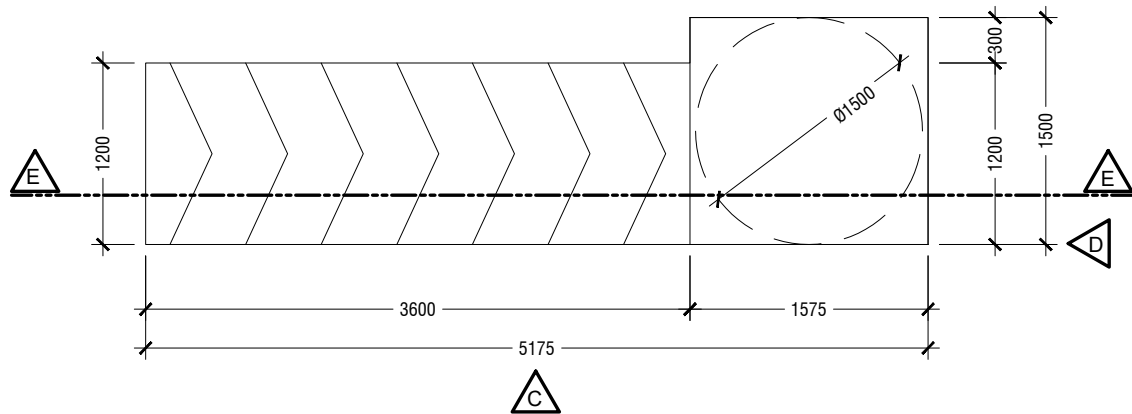
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e: info@riyan.com.mv  
w: www.riyan.com.mv  
3rd floor, H. Azum, Aneeneemagau, Male'

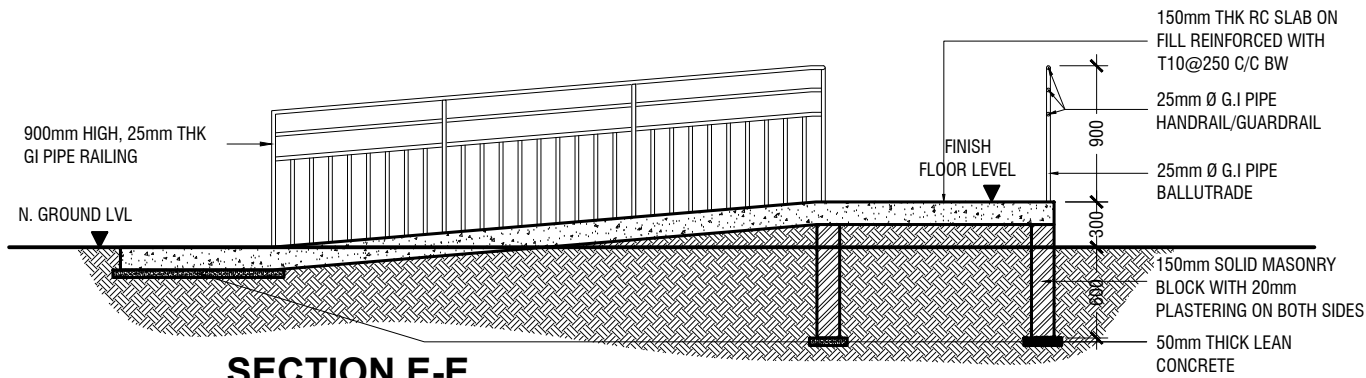
Title: Stage Ramp Details

Page: A-22/24

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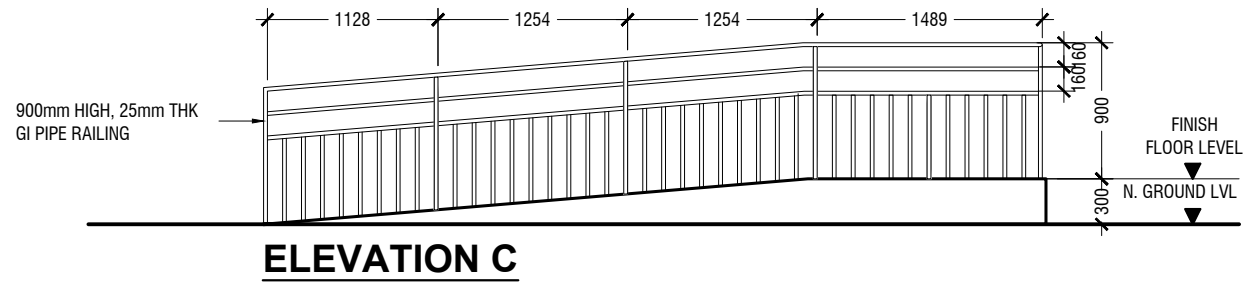
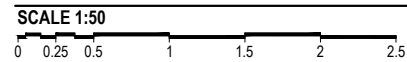


**PLAN**

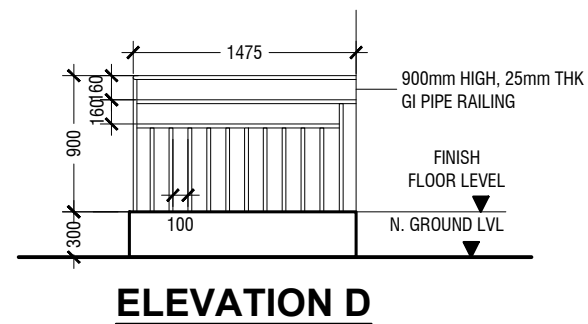


**SECTION E-E**

## MAIN ENTRANCE RAMP DETAILS



**ELEVATION C**



**ELEVATION D**

R.Maduwaree School Hall & 08 Classroom ( 04 Storey)  
Client: Ministry of Education

Rev no	Date
1	2019/10/20
2	2019/10/20
3	2019/10/20
4	2019/10/20
5	2019/10/20
6	2019/10/20
7	2019/10/20
8	2019/10/20
9	2019/10/20
10	2019/10/20

Project Number: RI/2017/012  
Date: October 2019  
Architect: Razana Amir  
Engineer: Ahmed Zuhail Zaeem  
Drawn by: Leevan/Nick P. Dela Cruz  
Services: Aishath Ahmed  
Interior :-



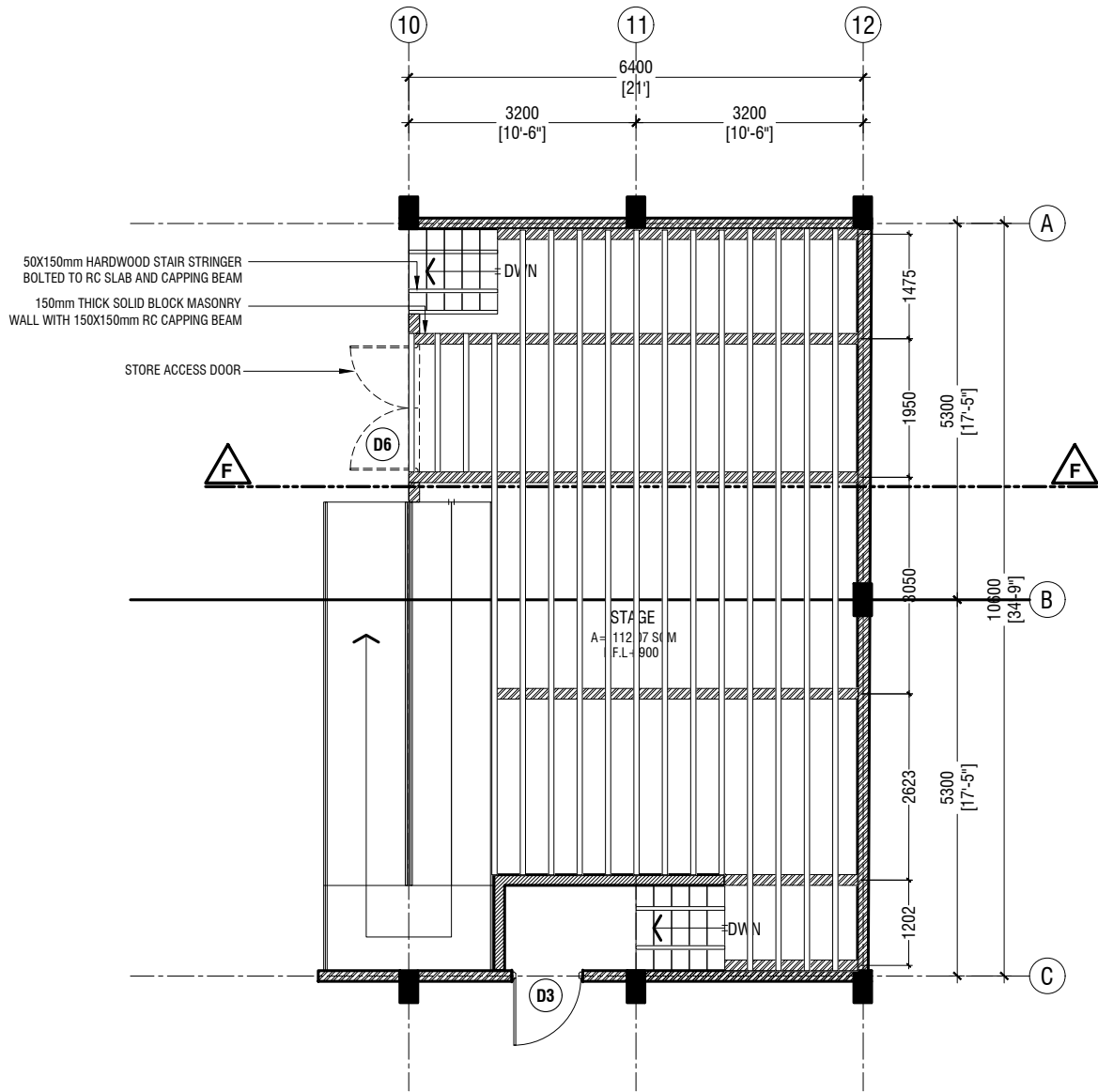
RIYAN PRIVATE LIMITED

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

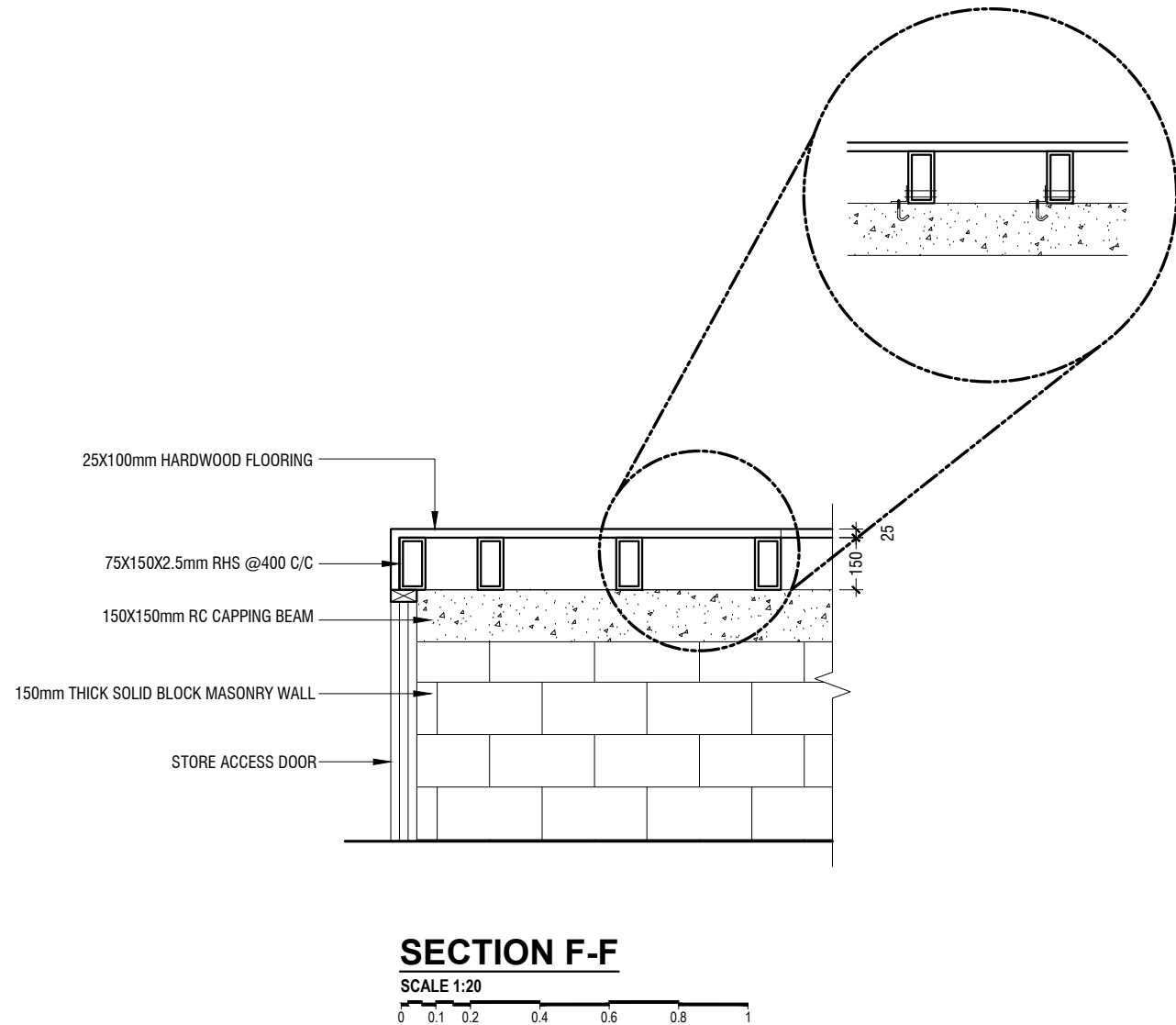
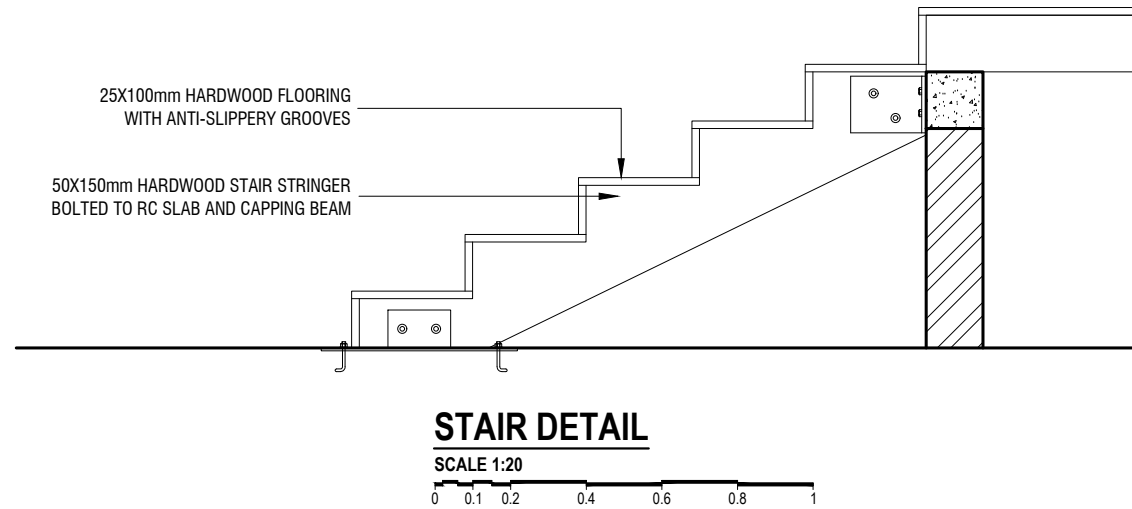
Title: Main Entrance  
Ramp Details

Page: A-23/24

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**STAGE FRAMING PLAN**  
SCALE 1:100



R.Maduwaree School Hall & 08 Classroom ( 04 Storey)  
Client: Ministry of Education

Rev no	Date
1	10/10/2019
2	10/10/2019
3	10/10/2019
4	10/10/2019
5	10/10/2019

Project Number: RI/2017/012  
Date: October 2019  
Architect: Razana Amir  
Engineer: Ahmed Zuhail Zaeem  
Drawn by: Leevan/Nick P. Dela Cruz  
Services: Aishath Ahmed  
Interior :-



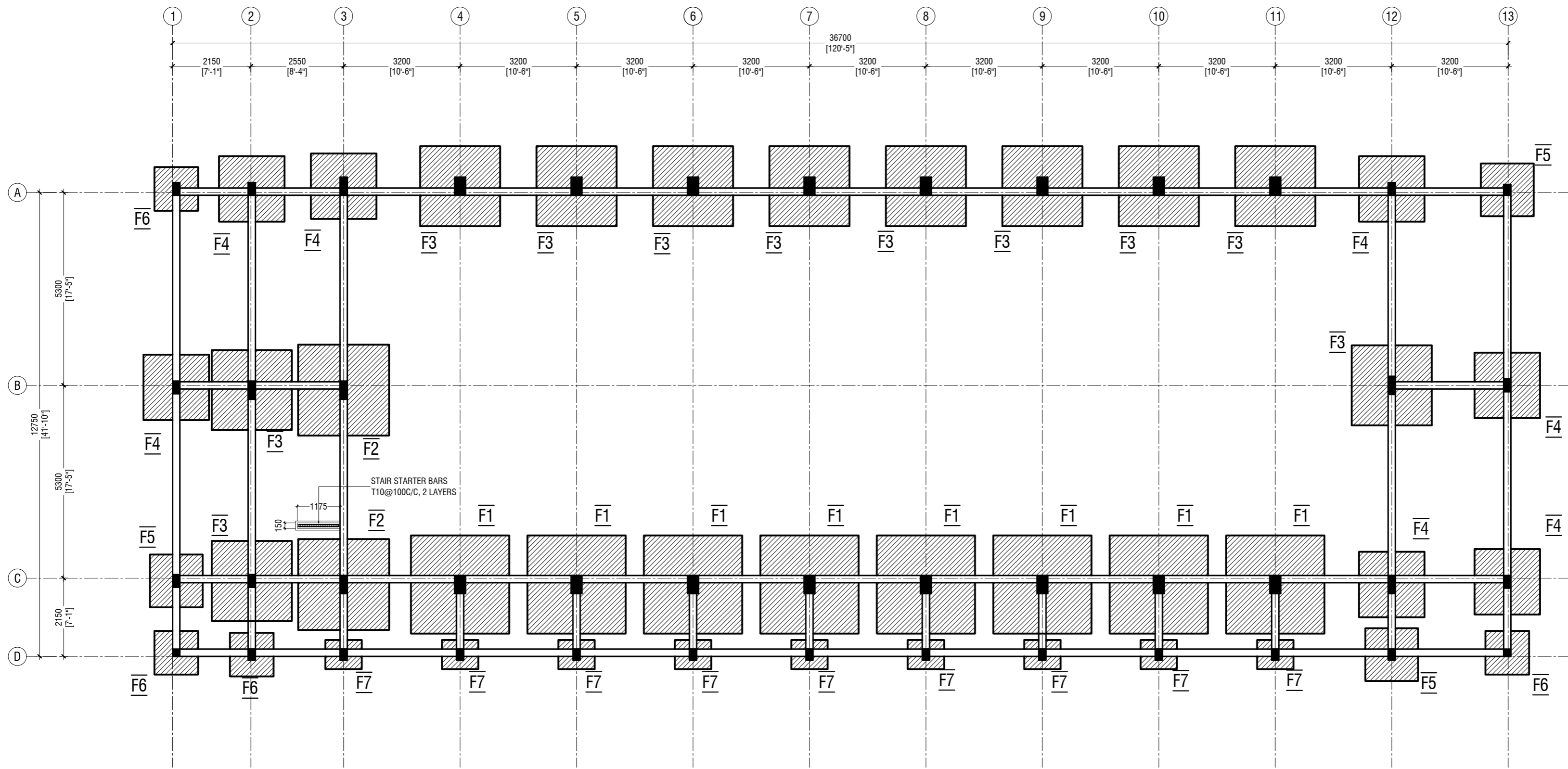
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e: info@riyan.com.mv  
w: www.riyan.com.mv  
3rd floor, H. Azum, Ameerseemagau, Male'

Title: Stage Framing Plan and Details

Page: A-24/24

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FOUNDATION PLAN

SCALE 1:100

NOTE:

FOUNDATION DEPTH : 1200mm BELOW GROUND LEVEL  
ALL TIE BEAM ARE FBT  
ALL FOOTINGS ARE TO BE LAID ON TOP OF 50mm THICK  
LEAN CONCRETE  
APPLY WATER PROOFING TO SUBSTRUCTURE  
(BELOW GROUND ELEMENTS)

R.Maduvaree School Hall & 08 Classroom ( 04 Storey)  
Client: Ministry of Education

Rev no	Date
..	.....
..	.....
..	.....
..	.....

Project Number: RI/2017/012  
Date: 05 October 2015  
Architect: Anir  
Engineer: Ahmed Zuhail Zaeem  
Drawn by: Nick P. De la Cruz  
Services: Alhath Ahmed  
Inventor: ..

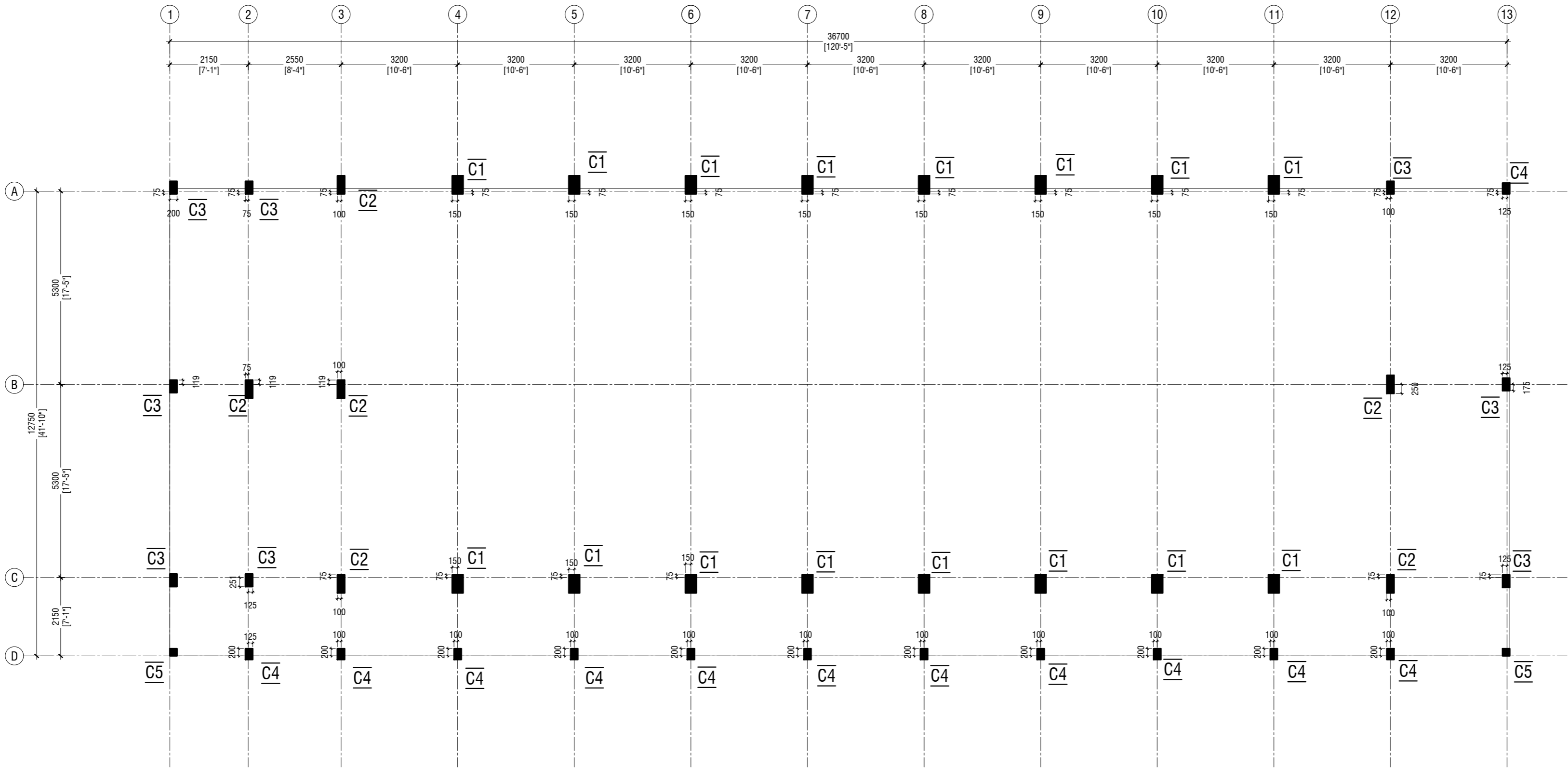


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w: www.ryan.com.mv  
3rd floor, H. Azumi, Ameermeegala, Male'

Title: Foundation Plan

Page: S-01/13

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**GROUND & 1st FLOOR TYPICAL COLUMN LAYOUT**

SCALE 1:100

R.Maduvaree School Hall & 08 Classroom ( 04 Storey)  
Client: Ministry of Education

Rev no	Date
1	2017/02/02
2	2017/02/02
3	2017/02/02
4	2017/02/02
5	2017/02/02
6	2017/02/02
7	2017/02/02
8	2017/02/02
9	2017/02/02
10	2017/02/02
11	2017/02/02
12	2017/02/02
13	2017/02/02

Project Number: RI/2017/02  
Approved: 2017/02/02  
Engineer: Ahmed Zuhair Zakiem  
Drawn by: Nick P. Della Cruz  
Services: Architectural  
Interior

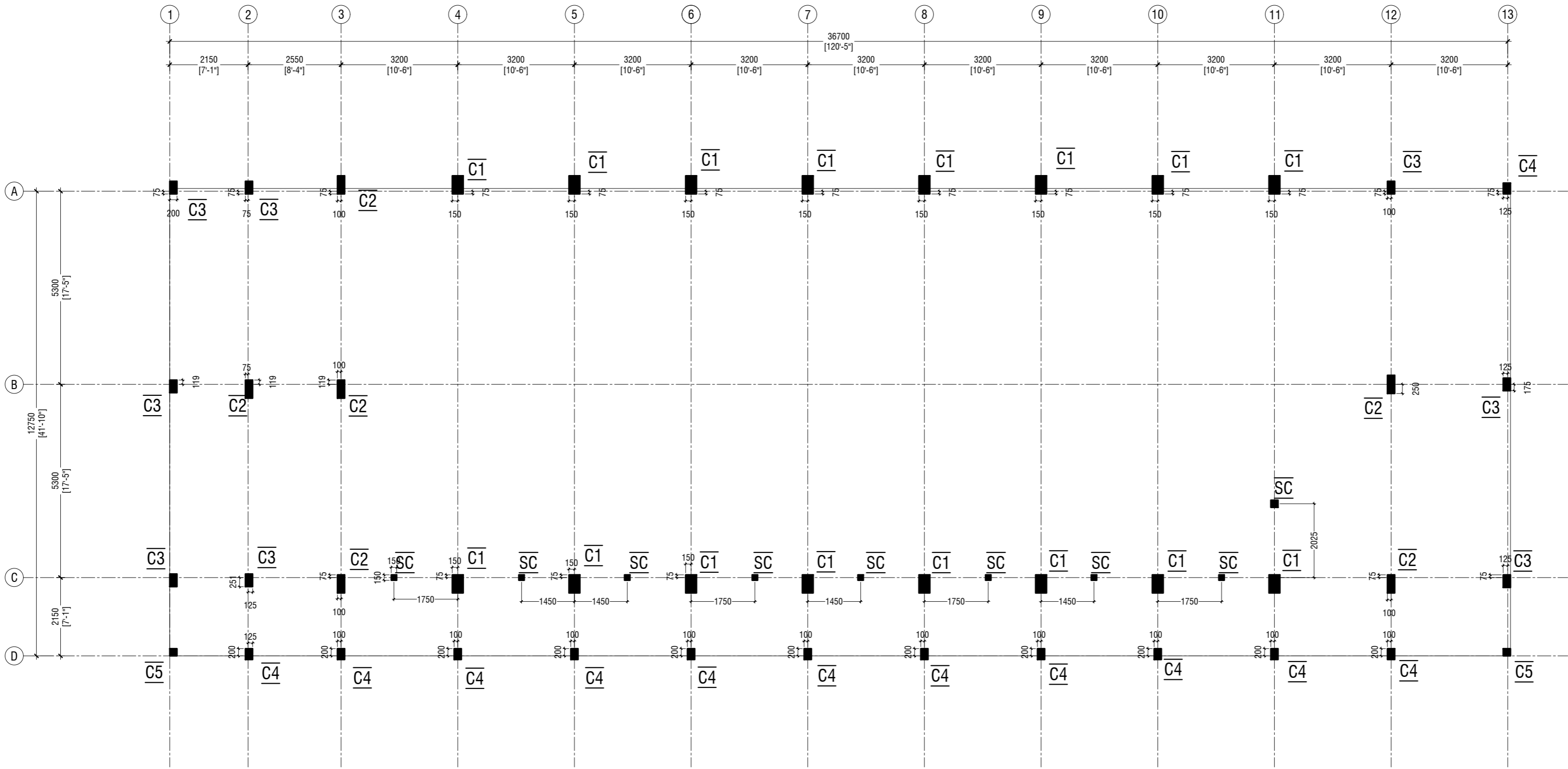


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t: +9603355049 f: +9603310776  
e: info@ryan.com.mv  
w: www.ryan.com.mv  
3rd Floor, H. Azumi, Ameeremogga, Male

Title: Ground & 1st Floor  
Typical Column Layout

Page: S-02/13

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**2nd & 3rd FLOOR TYPICAL COLUMN LAYOUT**

SCALE 1:100



R. Madhavaree School Hall & 08 Classroom ( 04 Storey)

Client: Ministry of Education

Project Number: RI/2017/012

Approved: 2015 Amir

Engineer: Ahmed Zuhair Zaeem

Drawn by: Nick P. Della Cruz

Services: Alkhatib Ahmed

Interior: .

Rev no	Date
1	2015
2	2015
3	2015
4	2015
5	2015



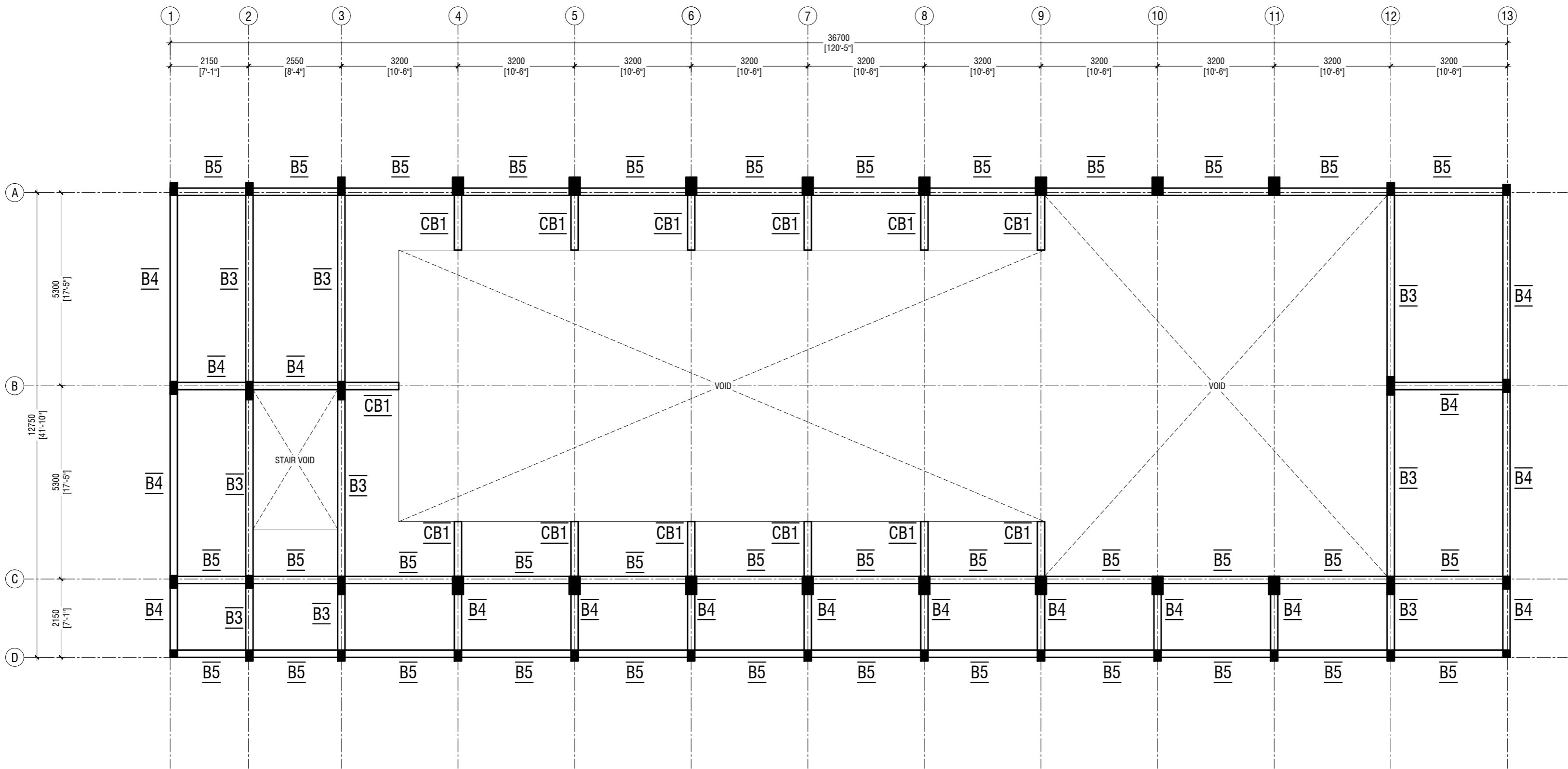
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W: www.ryan.com.mv  
3rd Floor, H. Azumi, Ameeremogga, Male

Title: Second & 3rd Floor  
Typical Column Layout

Page: S-03/13

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1st FLOOR BEAM PLAN  
SCALE 1:100

R.Maduvaree School Hall & 08 Classroom ( 04 Storey)

Client: Ministry of Education

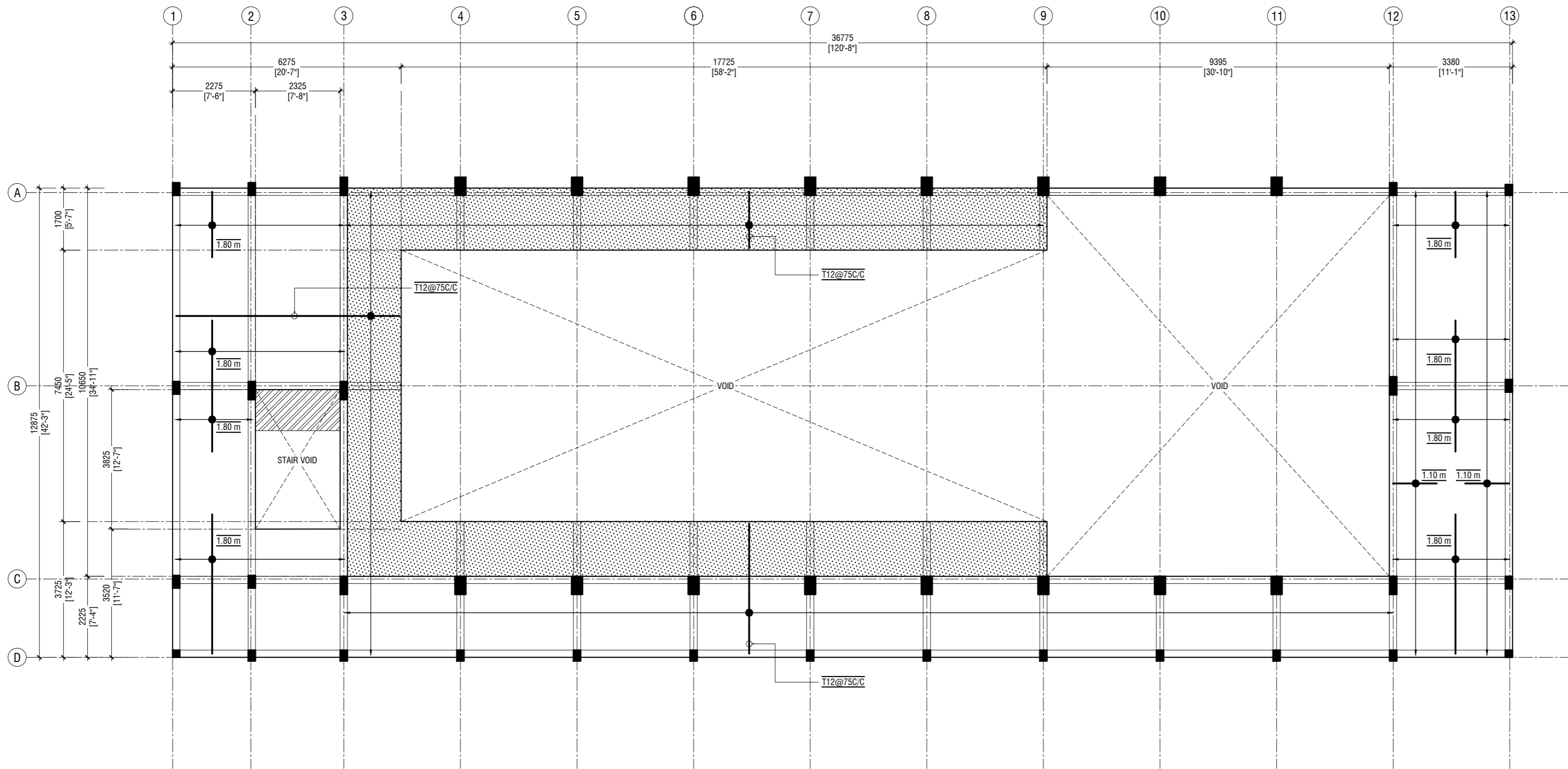
Rev no	Date
1	2015
2	2015
3	2015
4	2015
5	2015

Project Number: RI/2017/012  
Approved: 2015  
Architect: R.Maduvaree  
Engineer: Ahmed Zuhair Zaeem  
Drawn by: Nick P. Della Cruz  
Services: Alhadi Alhadi  
Inspector:



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3rd floor, H. Azumi, Amereemogga, Male

Title: 1st Floor Beam Plan



**1st FLOOR REINFORCEMENT PLAN**

SCALE 1:100



**NOTE**

- SLAB THICKNESS - 160mm
- SLAB THICKNESS - 180mm
- HALF LANDING SLAB - 150mm WITH T12 @ 100mm T&B

BOTTOM REINFORCEMENT - T12@100 C/C BW (NOT SHOWN, UNLESS STATED)  
TOP REINFORCEMENT - T12@100 C/C BW (AS SHOWN, UNLESS STATED)  
REINFORCEMENT DISCONTINUOUS AT VOIDS

R.Maduvaree School Hall & 08 Classroom ( 04 Storey)  
Client: Ministry of Education

Rev no	Date
1	2017/02
2	2017/02
3	2017/02
4	2017/02
5	2017/02
6	2017/02
7	2017/02
8	2017/02
9	2017/02
10	2017/02
11	2017/02
12	2017/02
13	2017/02

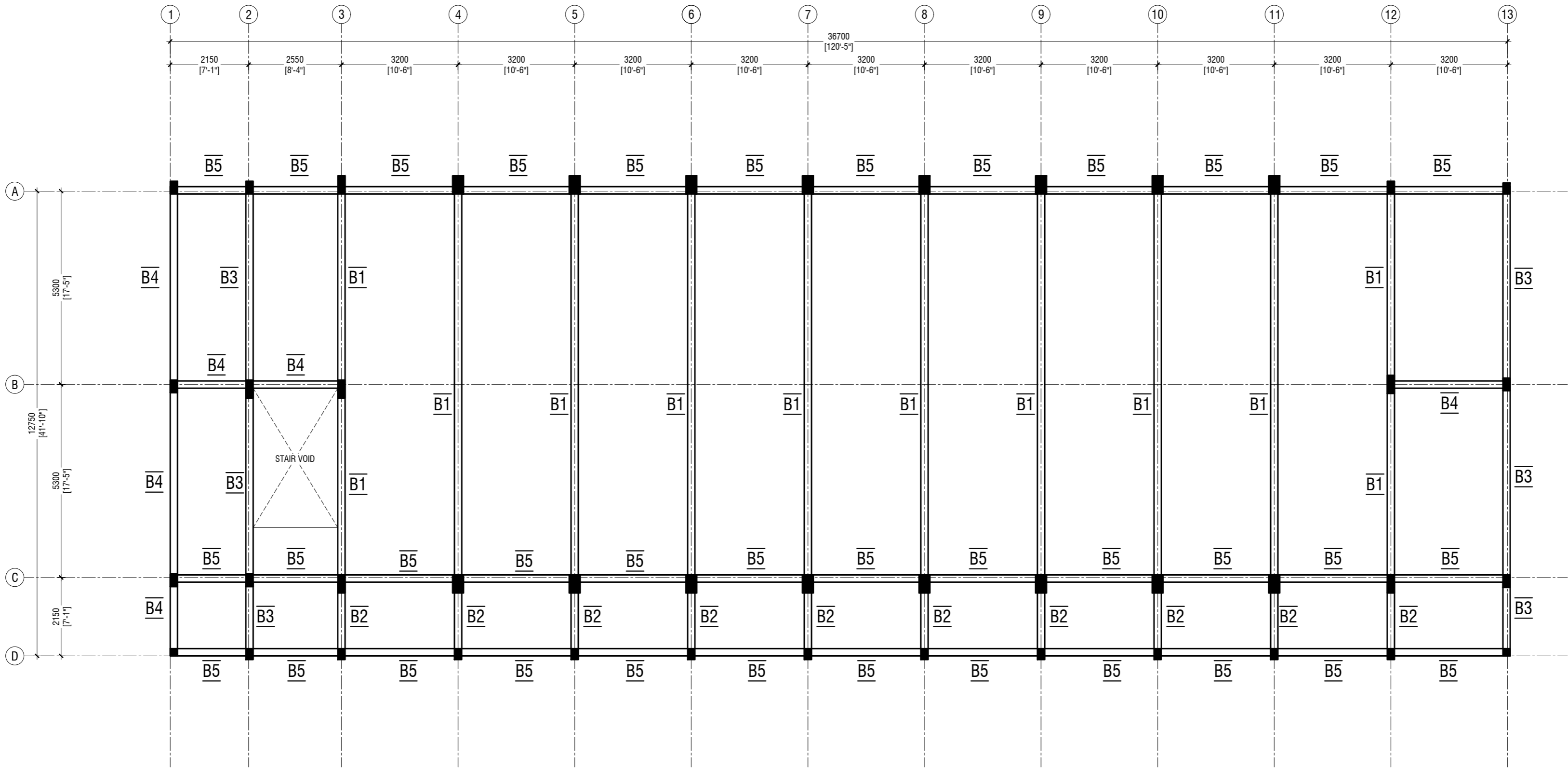


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3rd Floor, H. Azum, Aneeremogga, Male

Title: 1st Floor Slab  
Reinforcement Plan

Page: S-05/13

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2ND-3RD FLOOR BEAM PLAN

SCALE 1:100

R.Maduvaree School Hall & 08 Classroom ( 04 Storey)

Client: Ministry of Education

Rev no	Date
1	2017/02
2	2017/02
3	2017/02
4	2017/02
5	2017/02
6	2017/02
7	2017/02
8	2017/02
9	2017/02
10	2017/02
11	2017/02
12	2017/02
13	2017/02

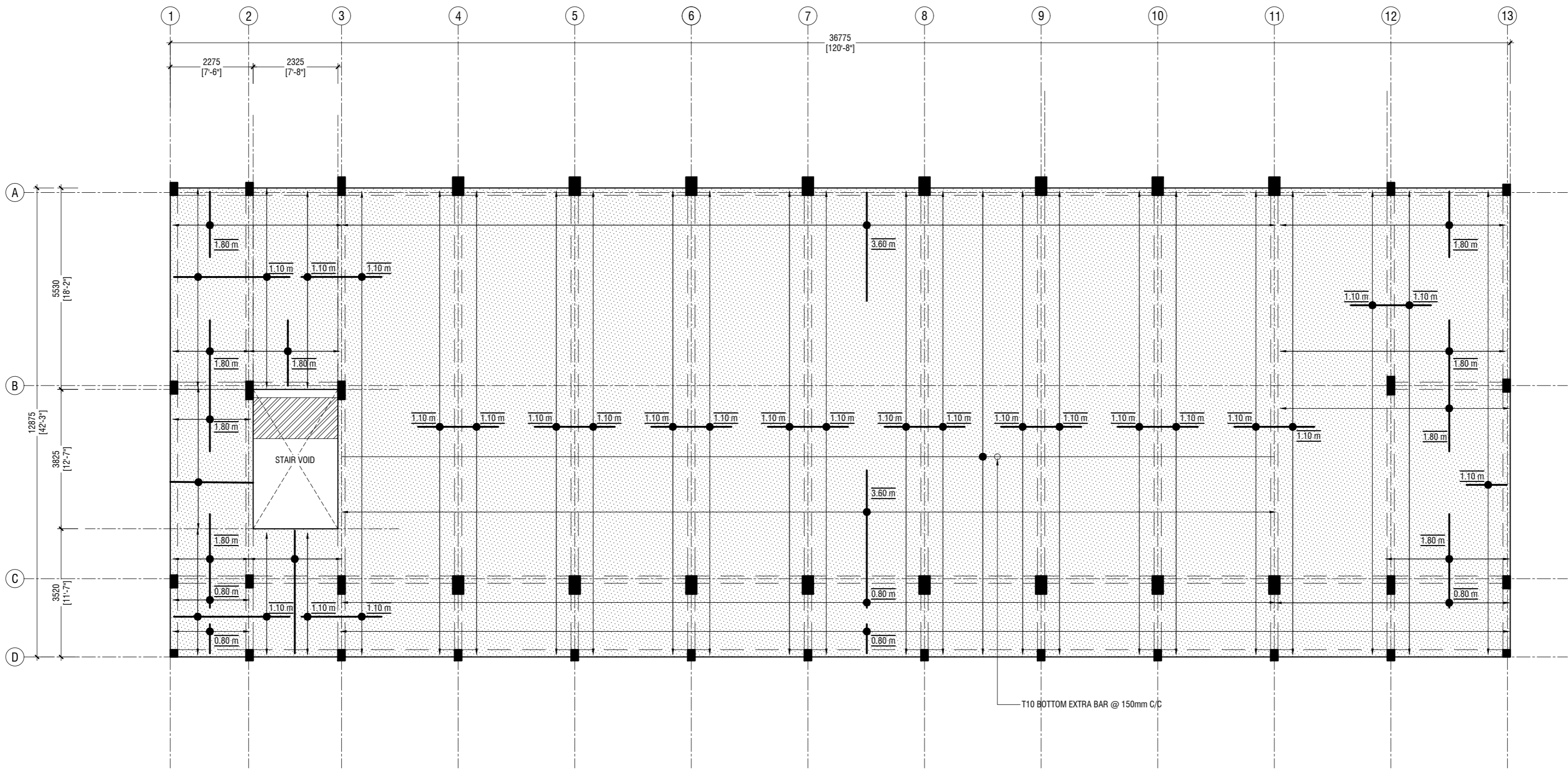


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3rd floor, H. Azumi, Ameeremogga, Male'

Title: 2nd-3rd Floor  
Floor Beam Plan

Page: S-06/13

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**2ND-3RD FLOOR SLAB REINFORCEMENT PLAN**

SCALE 1:100  
0 0.5 1 2 3 4 5

**NOTE**

SLAB THICKNESS - 160mm

HALF LANDING SLAB - 150mm WITH T12 @ 100mm T&B

BOTTOM REINFORCEMENT - T12@100 C/C BW (NOT SHOWN, UNLESS STATED)  
TOP REINFORCEMENT - T12@100 C/C BW (AS SHOWN, UNLESS STATED)  
REINFORCEMENT DISCONTINUOUS AT VOIDS

R.Maduvaree School Hall & 08 Classroom ( 04 Storey)  
Client: Ministry of Education

Rev no	Date
1	2017/02
2	2017/02
3	2017/02
4	2017/02
5	2017/02
6	2017/02
7	2017/02
8	2017/02
9	2017/02
10	2017/02
11	2017/02
12	2017/02
13	2017/02

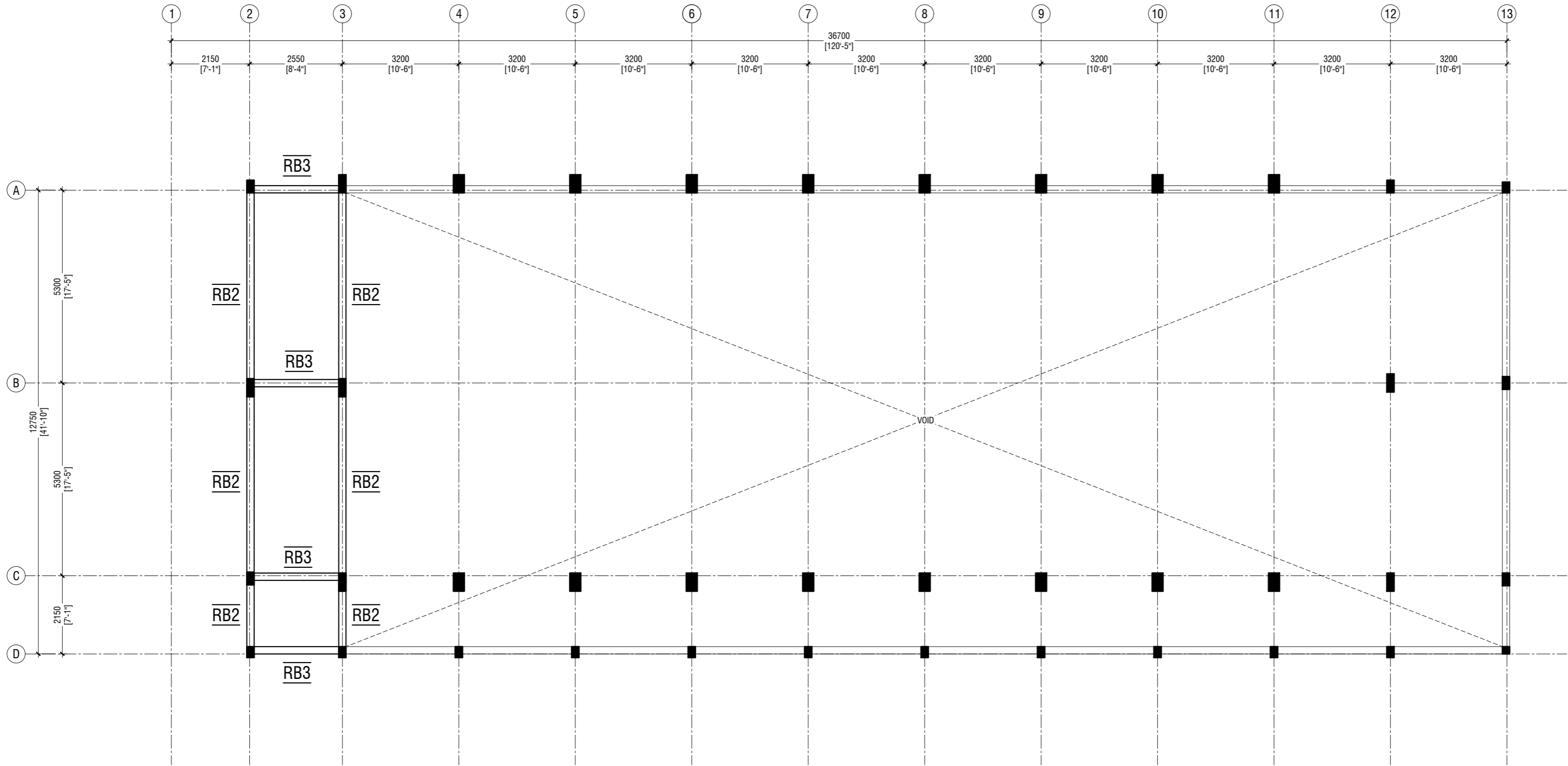


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3rd Floor, H. Azumi, Ameeremogga, Male'

Title: 2nd - 3rd Floor  
Slab Rein. Plan

Page: S-07/13

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LEVEL 1 ROOF BEAM PLAN @13000mm FROM GFL

SCALE 1:100  
0 0.5 1 2 3 4 5

R.Maduvaree School Hall & 08 Classroom ( 04 Storey)

Client: Ministry of Education

Rev no	Date
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--	-----

Project Number: RI/2017/012  
Approved: 2015  
Architect: Amir  
Engineer: Ahmed Zuhail Zaeem  
Drawn by: Nick P. Della Cruz  
Services: Alhath Ahmed  
Interior: .

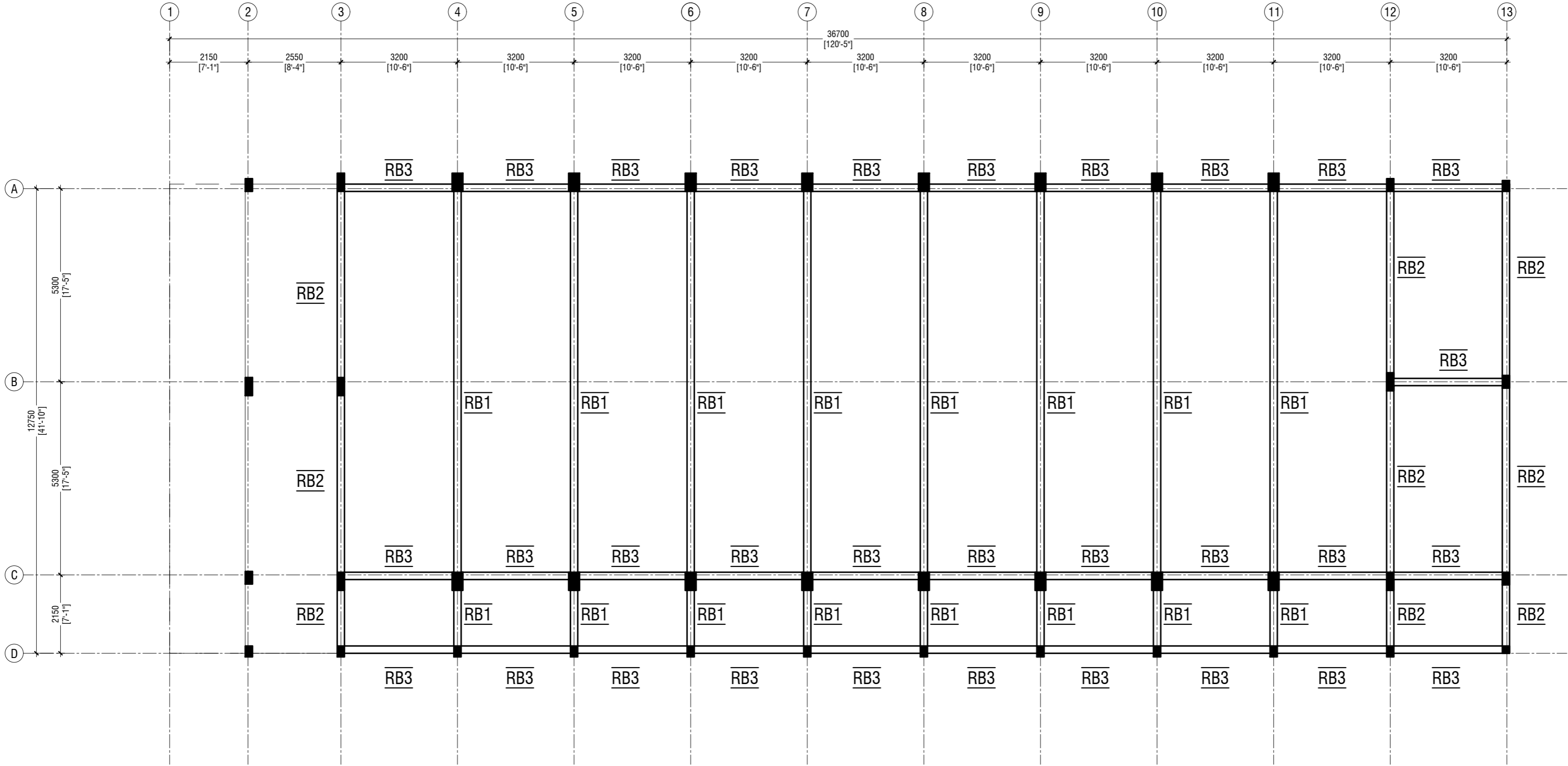


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3rd floor, H. Azumi, Ameeremogga, Male'

Title: Level 1 Roof  
Beam Plan

Page: S-08/13

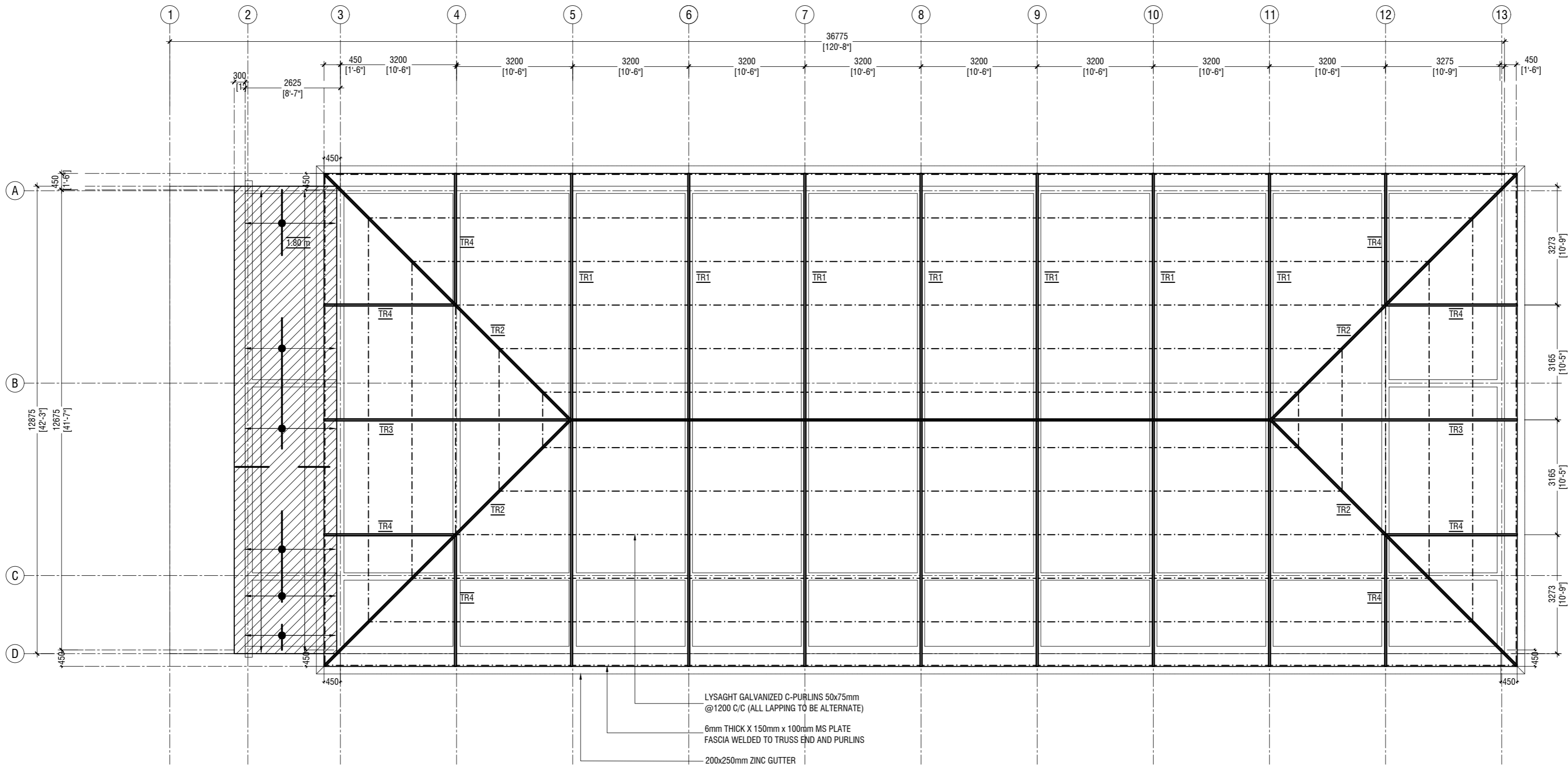
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LEVEL 2 ROOF BEAM PLAN @ 13900mm FROM GFL

SCALE 1:100  
0 0.5 1 2 3 4 5





**ROOF SLAB AND ROOF FRAMING PLAN**  
SCALE 1:100

NOTE  
SLAB THICKNESS - 150mm @ 13000mm FROM GFL

BOTTOM REINFORCEMENT - T12@100 C/C BW (NOT SHOWN, UNLESS STATED)  
TOP REINFORCEMENT - T12@100 C/C BW (AS SHOWN, UNLESS STATED)  
REINFORCEMENT DISCONTINUOUS AT VOIDS

R. Madhavaree School Hall & 08 Classroom ( 04 Storey)  
Client: Ministry of Education

Project Number: RI/2017/012  
Date: 10 October 2015  
Author: N. P. De Silva  
Engineer: Ahmed Zuhair Zaeem  
Drawn by: Nick P. De Silva  
Services: Alkathir Ahmed  
Inspector: .

Rev no	Date
1	10/10/2015
2	10/10/2015
3	10/10/2015
4	10/10/2015



**SCALE 1:20**



## ROOF TRUSS DETAILS

**SCALE 1:100**



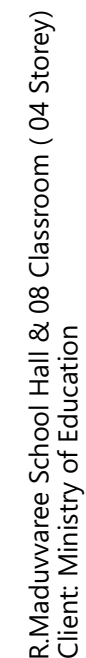
**SCALE 1:20**

## SECTION

**SCALE 1:20**

## TYPICAL TRUSS FIXING DETAILS

**SCALE 1:20**



Project Number: RI/2017/012  
 Date: October 2019  
 Architect: Razana Amir  
 Engineer: Ahmed Zuhair Zaeem  
 Drawn by: Nick P. Della Cruz  
 Services: Aishath Ahmed  
 Interior: -



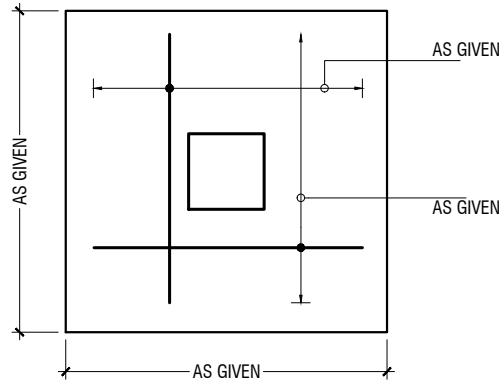
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w: www.riyan.com.mw  
3rd floor, H. Azum, Ameeneemagu, Male\*

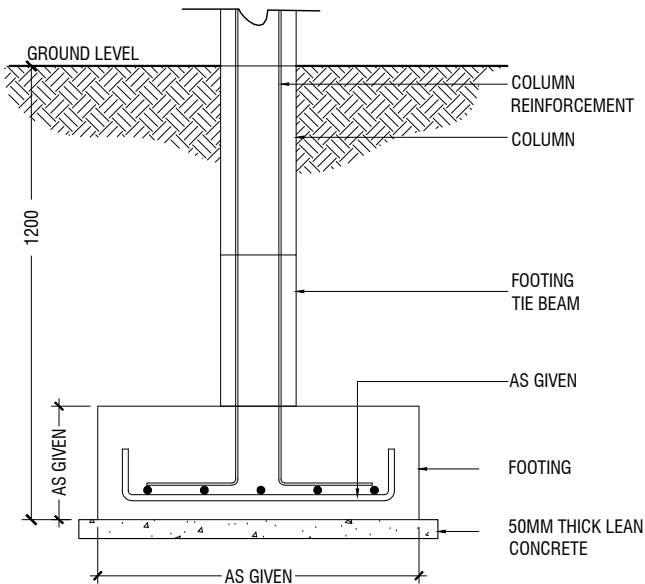
Title: Roof Truss Details

FOUNDATION PADS

	DIMENSION	REINFORCEMENT
F1	2700 x 2700 x 500	T16@150 C/C B/W (B) T12@200 C/C B/W (T)
F2	2500 x 2500 x 500	T16@150 C/C B/W (B) T12@200 C/C B/W (T)
F3	2200 x 2200 x 450	T12@125 C/C B/W (B)
F4	1800 x 1800 x 450	T12@150 C/C B/W (B)
F5	1450 x 1450 x 450	T12@150 C/C B/W (B)
F6	1200 x 1200 x 450	T12@150 C/C B/W (B)
F7	800 x 1000 x 300	T12@200 C/C B/W (B)



PLAN



SECTION

FOOTING DETAILS

STRUCTURAL DETAILS

SCALE 1:20



FOUNDATION DEPTH = 1200mm

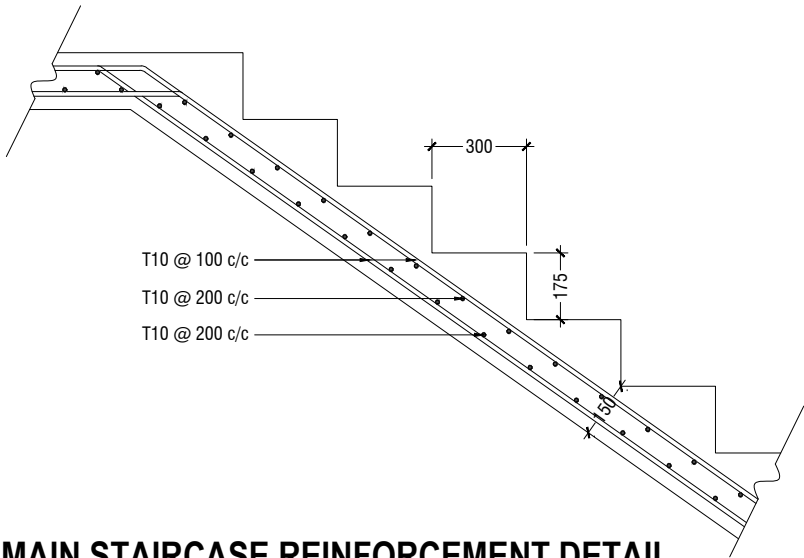
NOTE:-  
COVER TO FOUNDATION = 50mm  
COVER TO COLUMNS = 35-40mm  
COVER TO BEAMS = 35mm  
LAPS = Ø OF BAR x 45  
BEAMS @END SUPPORT = Ø OF BAR x 12

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

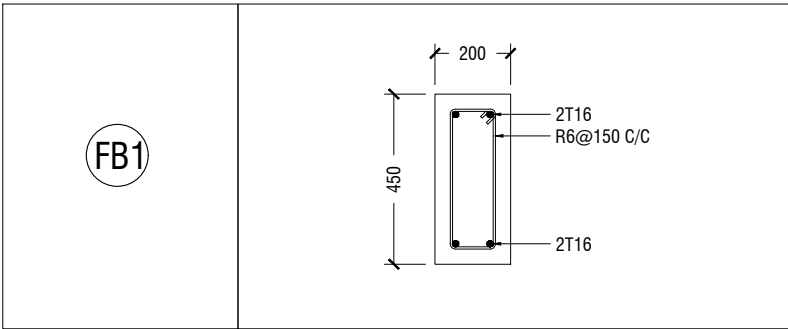
MIX RATIO = 1:2:3 ( CEMENT : SAND : AGGREGATE )

-150mm THK. SOLID MASONRY BLOCK WALL

RAMP SLAB : 150mm THK RC SLAB ON FILL  
REINFORCED WITH T10@250 C/C BW



MAIN STAIRCASE REINFORCEMENT DETAIL



TIE BEAM DETAILS

C1	
C2	
C3	
C4	
C5	
SC	

COLUMN DETAILS

R Maduwaree School Hall & 08 Classroom ( 04 Storey )  
Client: Ministry of Education

Project Number: RI/2017/012	Rev no	Date
Date: October 2019	---	---
Architect: Razana Amir	---	---
Engineer: Ahmed Zuhair Zaeem	---	---
Drawn by: Nick P. Della Cruz	---	---
Services: Aishath Ahmed	---	---
Interior: -	---	---



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w: www.riyan.com.mv  
3rd floor, H. Azum, Aneeneemagu, Male'

Title: Structural Details

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