

Proposed Single Storey Block at
Thuraakunu School
Client: Ministry of Education



RIYAN PRIVATE LIMITED

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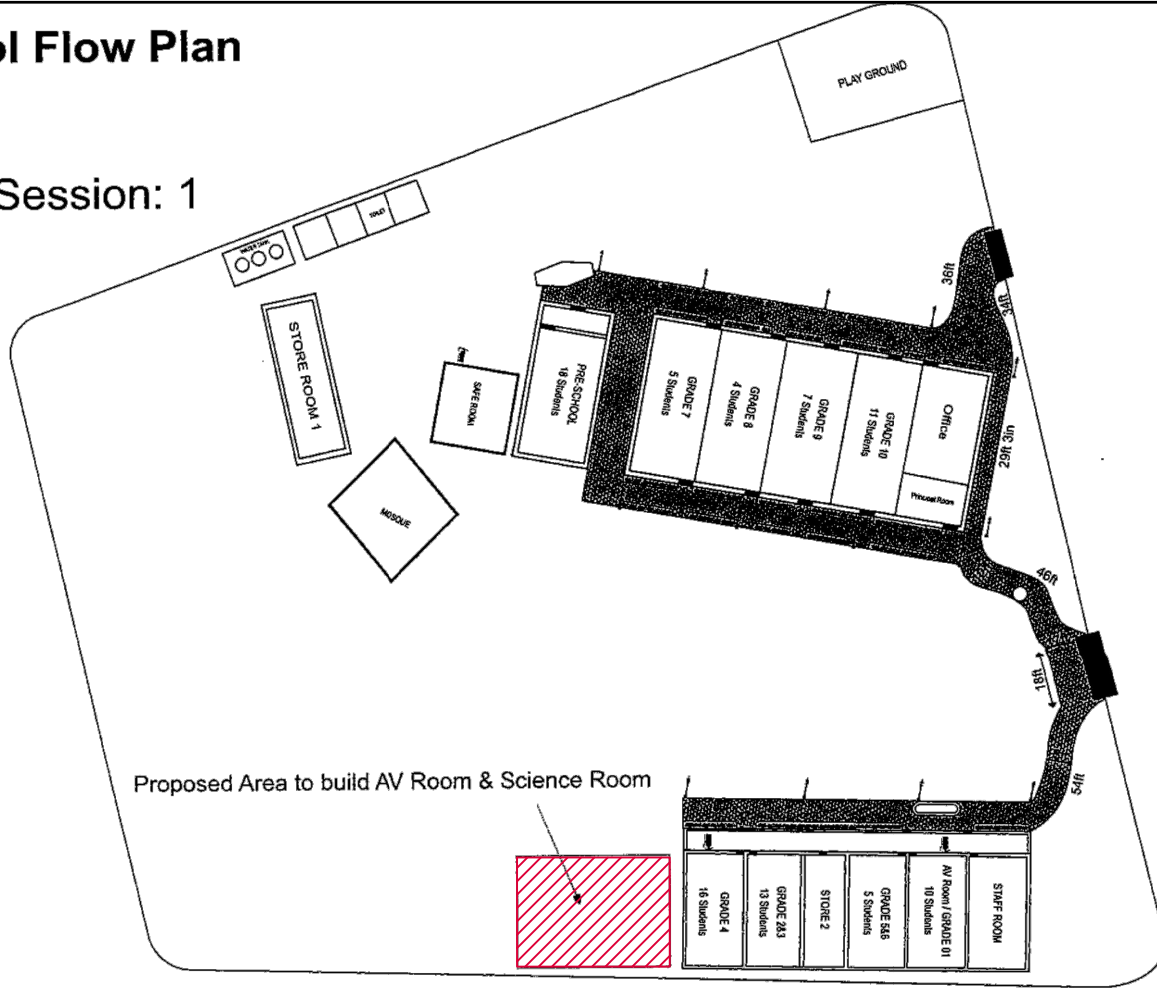
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3rd Floor, H. Azum, Armeenemagui, Male'

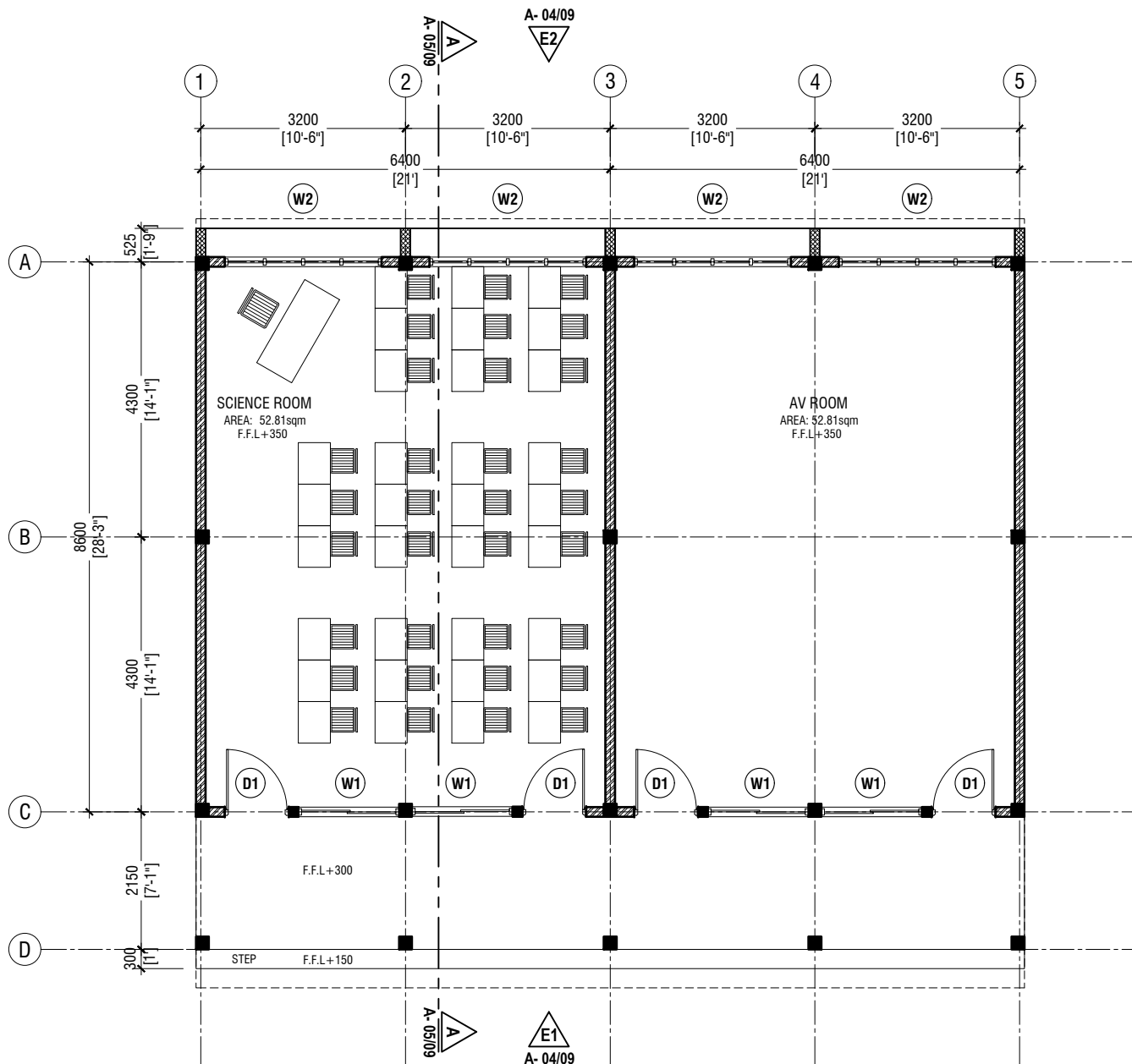
School Flow Plan

No of Session: 1



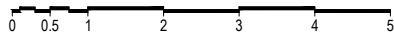
THURAAKUNU SCHOOL SITE PLAN

NOT TO SCALE



GROUND FLOOR PLAN

SCALE 1:100



NOTE:

- PROPOSED 150mm THICK SOLID BLOCK MASONRY WALL WITH 16mm PLASTERING, GROUND SMOOTH IN SELECTED PAINT FINISH
- PROPOSED 150mm THICK RC WALL TO BE WATER PROOFED WITH WATER PROOFING AGENT

Thuraakunu School
Client: Ministry of Education

Project Number: RI/2017/012
Date: February 2018
Architect: Riyan Private Limited
Designed by: Riyan Private Limited
Drawn by: Razana Akter
Services: Ashraf Ahmed
Interior:

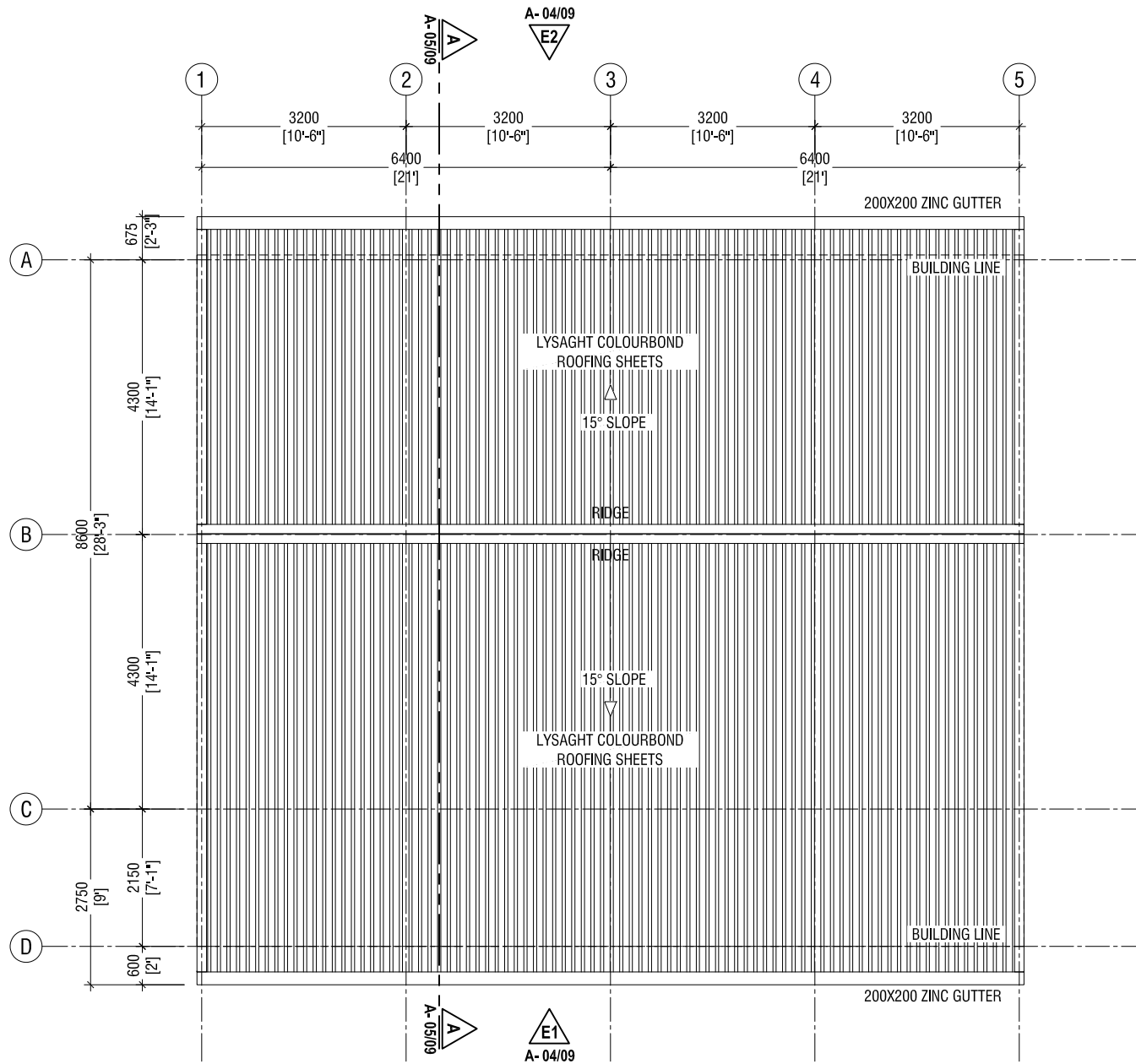
Rev no	Date
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3rd Floor, H. Azum, Armeenkeemagaa, Malé

Title: Ground Floor Plan

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ROOF PLAN

SCALE 1:100



Thuraakunu School
 Client: Ministry of Education

Rev no	Date

Project Number: RI/2017/012
 Date: February 2018
 Architect: Razana Amir
 Designer: Razana Amir
 Services: Abjath Ahmed
 Interior: -



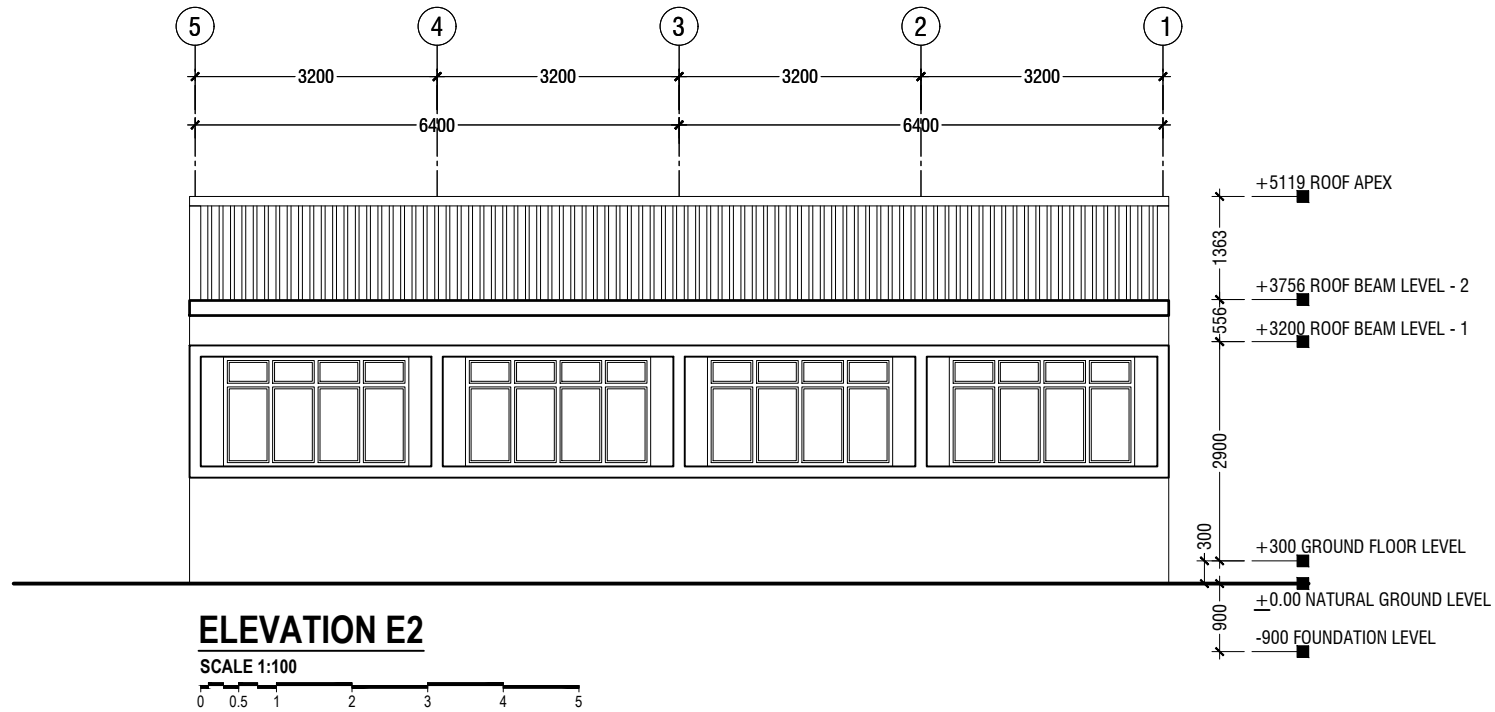
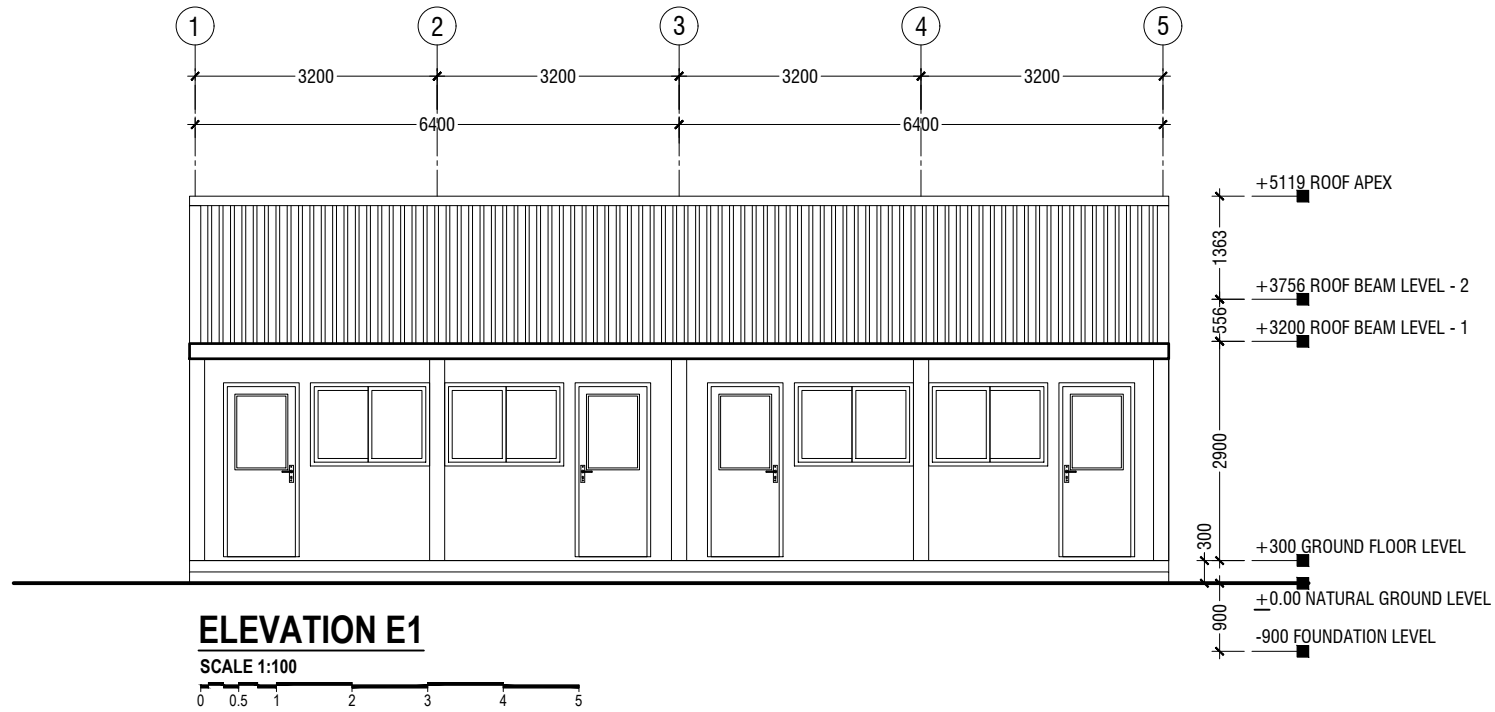
RIYON PRIVATE LIMITED

T: +963315049 F: +963310776
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 W: www.riyon.com.nv
 3rd floor, H. Azim, Amnereemwaga, Hq.

Title: Roof Plan

Page: A-03/09

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Thuraakunu School
 Client: Ministry of Education

Rev no	Date
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Project Number: RI/2017/012
 Date: February 2018
 Architect: Riyan Private Limited
 Drawn by: Razana Amir
 Services: Aishath Ahmed
 Interior: ..



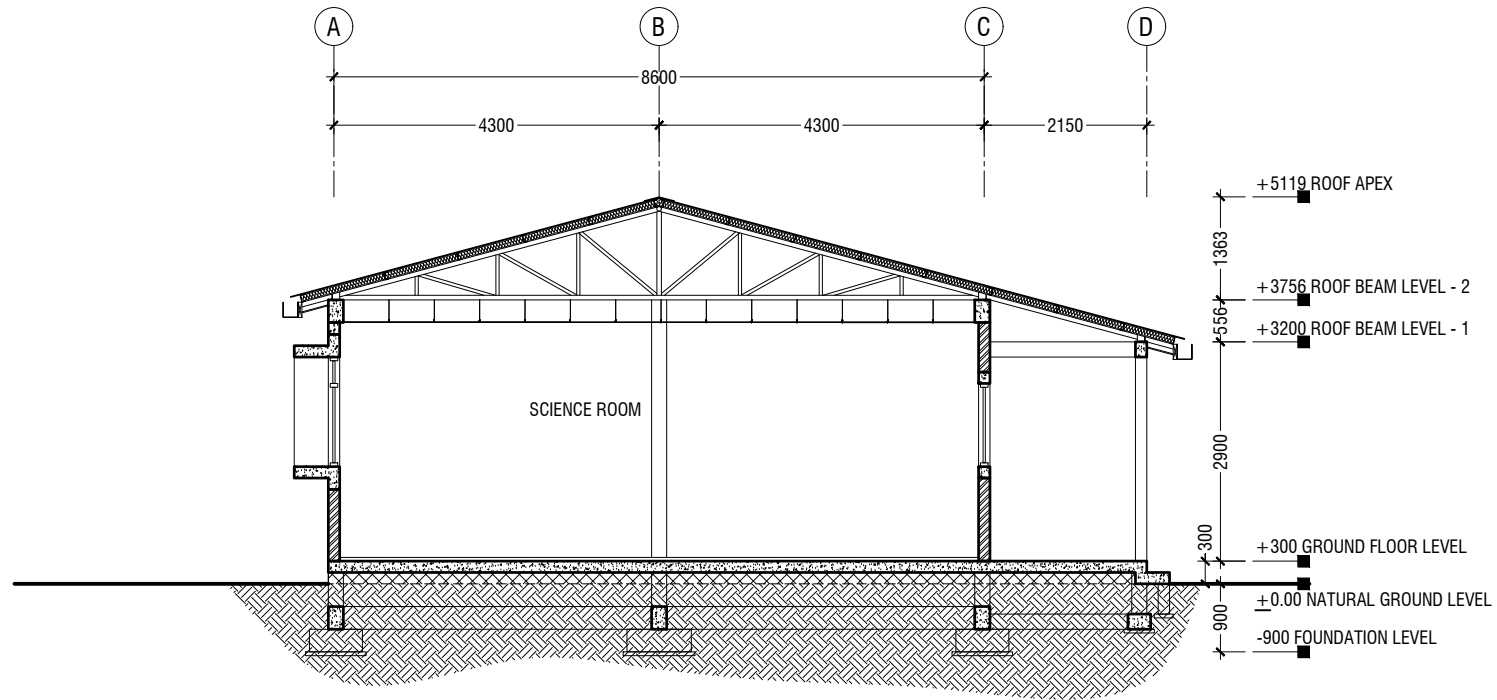
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Title: Elevation E1 & Elevation E2

Page: A-04/09

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SECTION A-A

SCALE 1:100



Thuraakunu School
Client: Ministry of Education

Rev no	Date

Project Number: RI/2017/012
 Date: February 2018
 Architect: Razana Ahmed
 Drawn by: Razana Ahmed
 Services: Aishath Ahmed
 Interior:

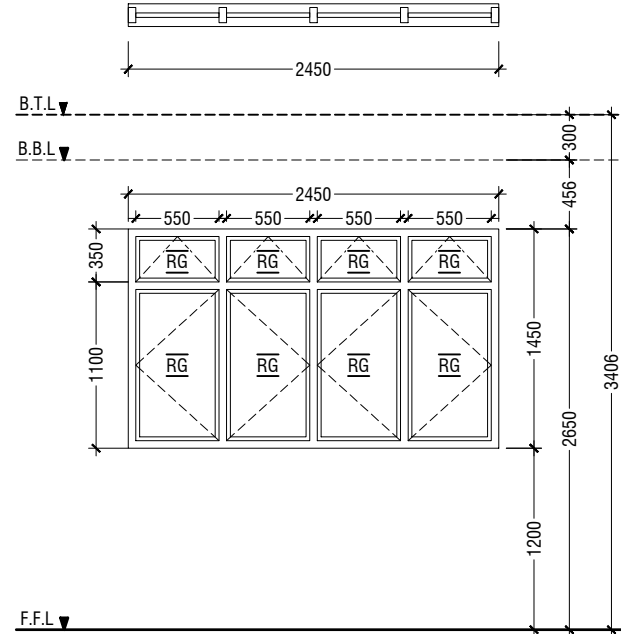
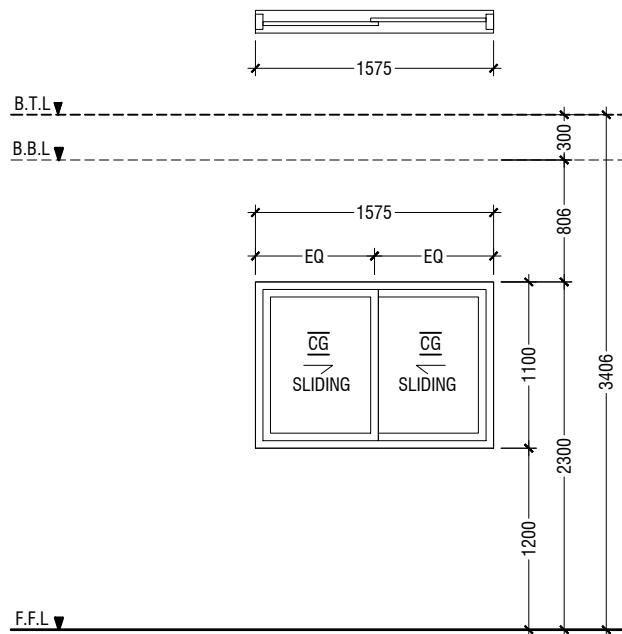
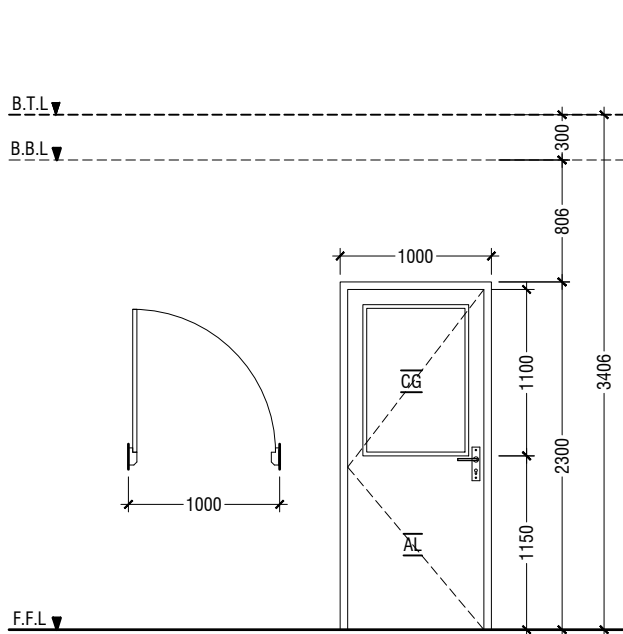


RYAN PRIVATE LIMITED

T: +960315040 F: +960310776
 e: info@ryan.com.mv
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Title: Section A-A

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D1	SWING DOOR
REMARKS	50mm THICK POWDER COATED (60 MICRONS) ALUMINUM FRAMED WITH ALUMINIUM PANEL AND CLEAR GLASS
LOCATION	SCIENCE ROOM & AV ROOM
QUANTITY	04 NOS
OPEN AREA	2.03 sqm

W1	SLIDING WINDOW
REMARKS	50mm THICK POWDER COATED (60 MICRONS) ALUMINUM FRAMED WITH ALUMINIUM PANEL AND CLEAR GLASS
LOCATION	SCIENCE ROOM & AV ROOM
QUANTITY	04 NOS
OPEN AREA	0.71 sqm

W2	SWING WINDOW
REMARKS	50mm THICK POWDER COATED (60 MICRONS) ALUMINUM FRAMED WINDOW WITH REFLECTIVE GLASS
LOCATION	SCIENCE ROOM & AV ROOM
QUANTITY	04 NOS
OPEN AREA	2.86 sqm

LEGEND:
 CG - CLEAR GLASS
 RG - REFLECTED GLASS
 AL - ALUMINIUM

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

SCALE 1:50

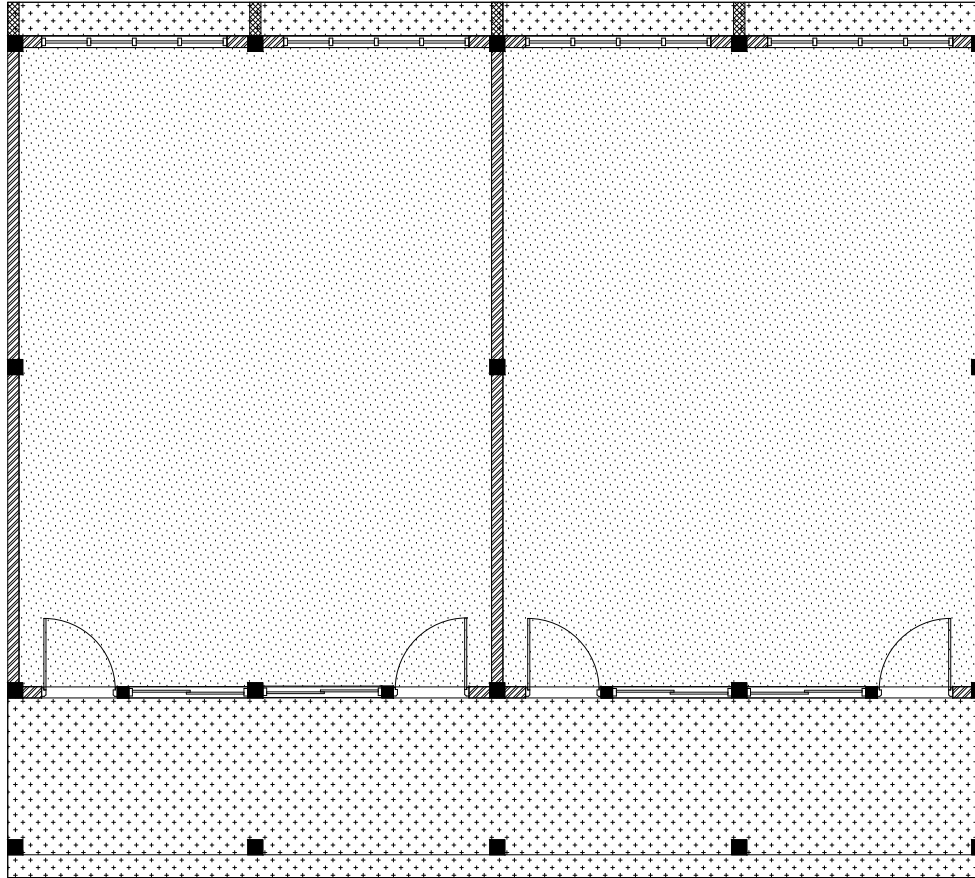


SCHEDULE OF VENTILATION FOR THURAAKUNU SCHOOL

Room name/ Number	Room Areas (sqm) (Specify centre to centre or clear)	Window (opening) number	Required opening areas (sqm)	Designed opening areas (sqm)	Open %
Ground Floor					
1 Science Room	52.81	2W1 & 2W2	5.28	7.14	13.52%
2 AV Room	52.81	2W1 & 2W2	5.28	7.14	13.52%

VENTILATION SCHEDULE

NOT TO SCALE


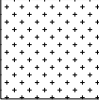


REFLECTED CEILING PLAN

SCALE 1:100



LEGEND

CODE	DESCRIPTION
	SUSPENDED 'BORAL' OR EQUIVALENT PLASTERBOARD CEILING SYSTEM WITH ALUMINUM FRAMING, APPLIED WITH GROUND SMOOTH FINISH IN SELECTED PAINT CEILING HEIGHT : +3106mm
	CEMENT BOARD ON ROOF EAVE/GABLE CEILING

Thuraakunu School
Client: Ministry of Education

Project Number: RI/2017/012
Date: February 2018
Architect: Razana Amir
Checked: Razana Amir
Drawn by: Razana Amir
Services: Aishath Ahmed
Interior :

Rev no

Date



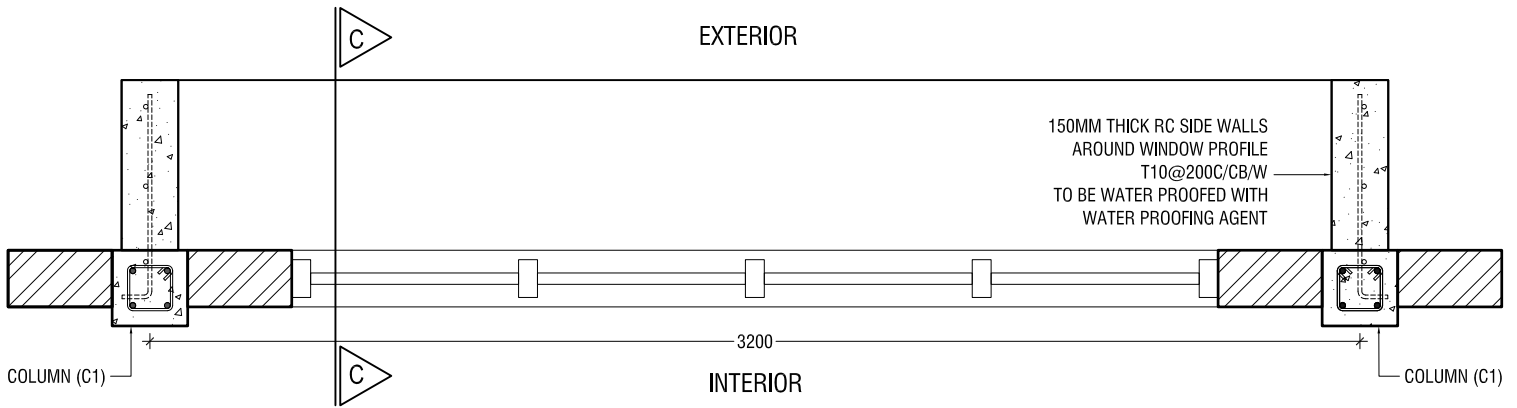
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Title: Reflected Ceiling Plan

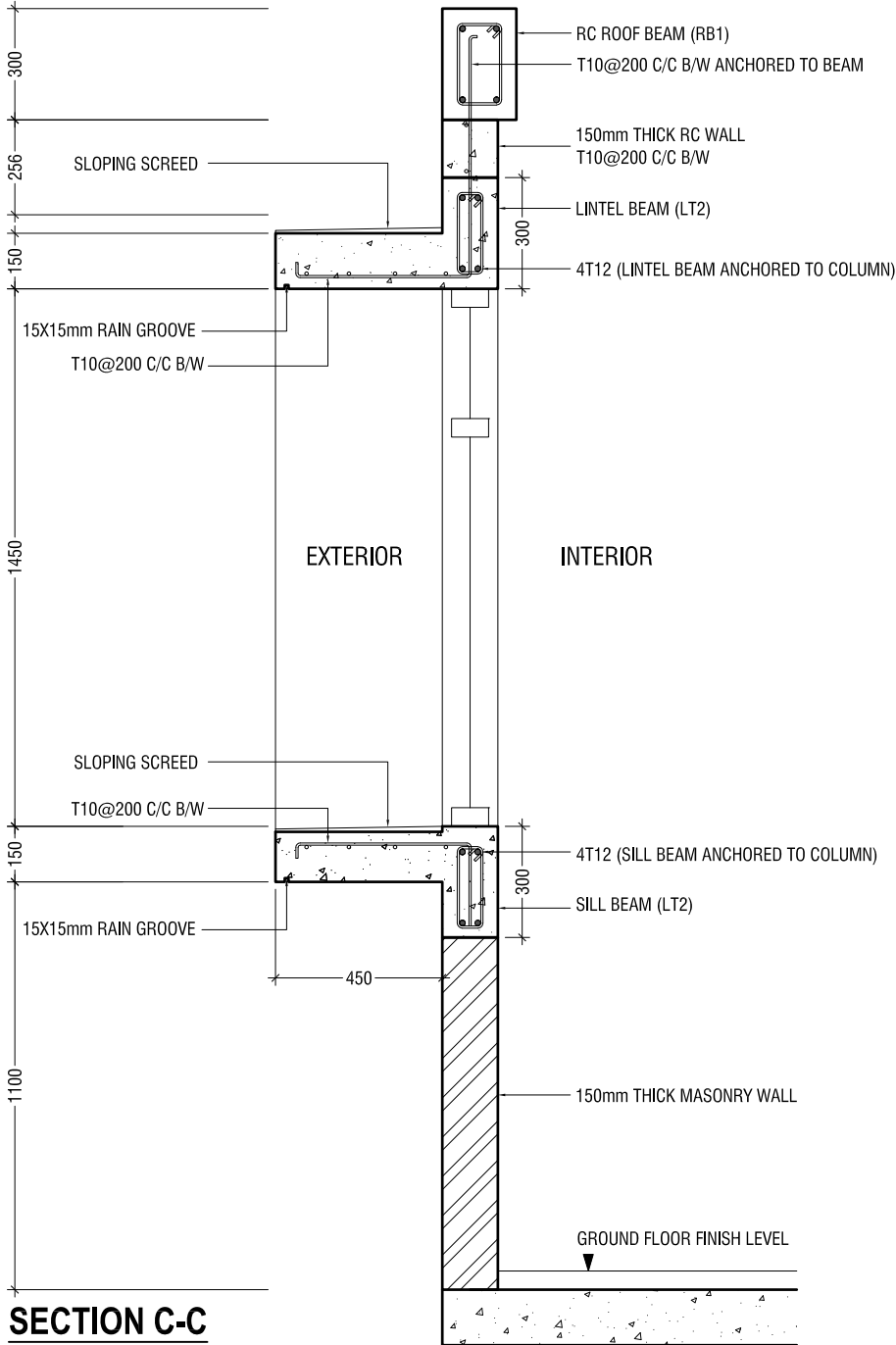
Page: A-07/09

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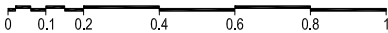
PLAN

SCALE 1:20



SECTION C-C

SCALE 1:20

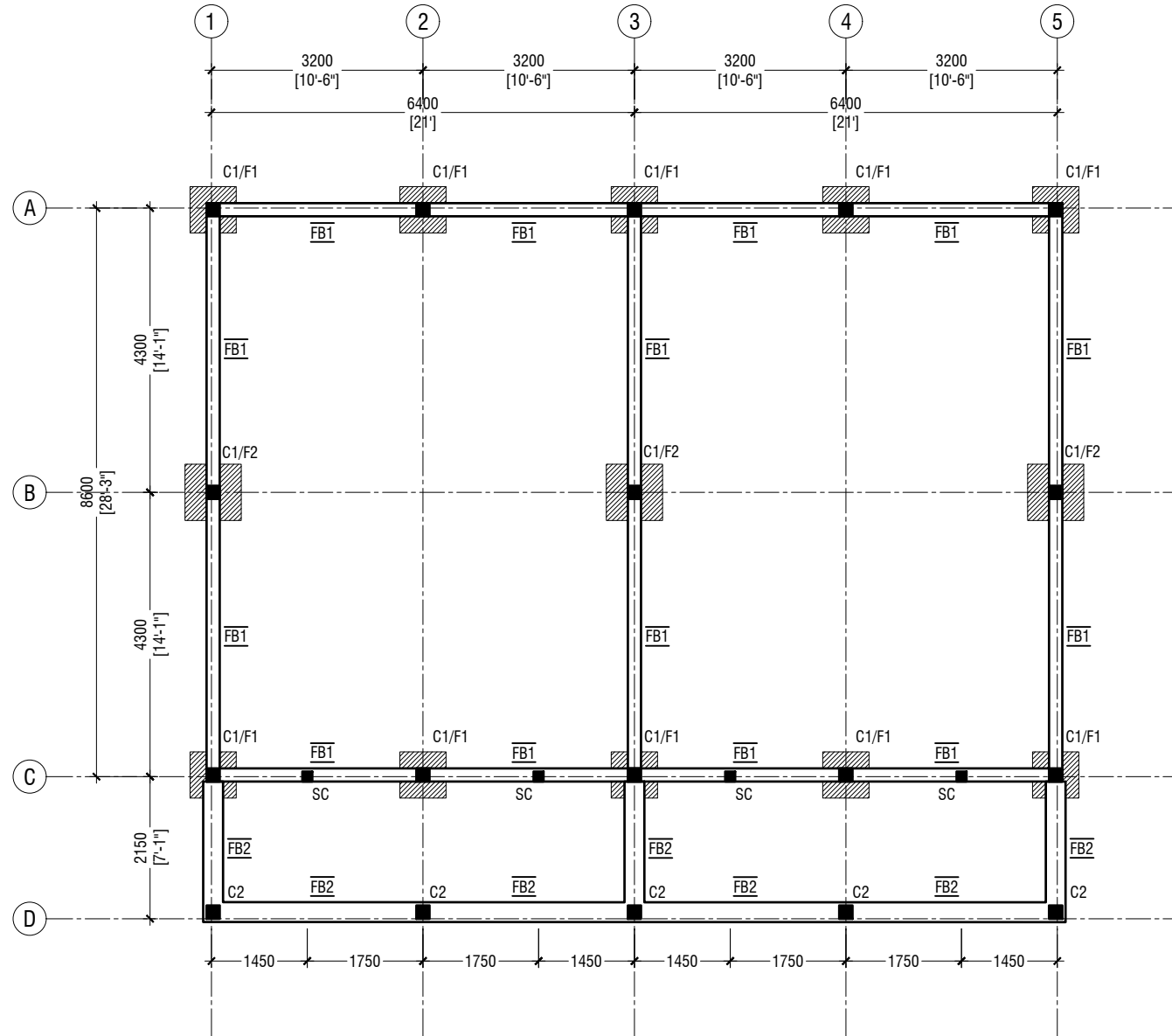


WALL DETAIL

SCALE 1:20



Rev no	Date
-	-
-	-
-	-
-	-



NOTE:

COLUMN SIZES

- C1 : 200x200 mm
- C2 : 200x200 mm
- SC : 150x150 mm
- COVER : 35-40mm

FOUNDATION PAD SIZES

	DIMENSION	REINFORCEMENT
F1	700 x 700 x 300	T10@100 C/C B/W (B)
F2	850 x 850 x 300	T10@100 C/C B/W (B)

FOUNDATION DEPTH : 900mm 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 : 200x300 mm
- FB2 : 300x200 mm
- COVER : 50mm

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

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

FOUNDATION PLAN

SCALE 1:100



Thuraakunu School
 Client: Ministry of Education

Project Number: RI/2017/012
 Date: February 2018
 Architect: Rizana Ahmed
 Designer: Razana Anir
 Services: Ashraf Ahmed
 Interior:

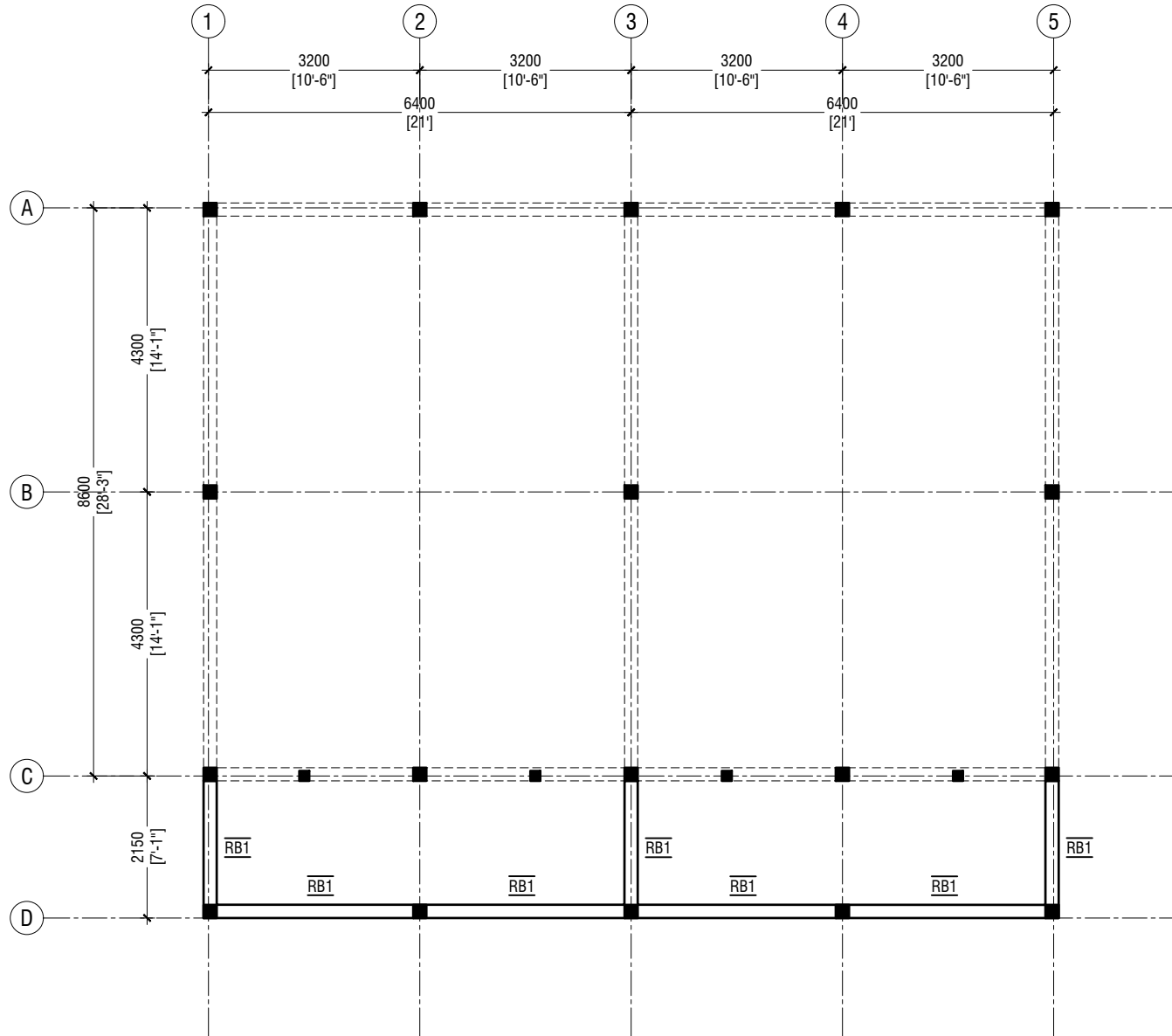


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 w: www.riyan.com.mv
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Title: Foundation Plan

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NOTE:

COLUMN SIZES

- C1 : 200x200 mm
- C2 : 200x200 mm
- SC : 150x150 mm
- COVER : 35-40mm

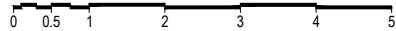
BEAM SIZES

- RB1 : 200x300 mm
- COVER : 35mm

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

ROOF BEAM - 1 @3.2M FROM F.F.L LAYOUT PLAN

SCALE 1:100



Thuraakunu School
Client: Ministry of Education

Project Number: RI/2017/012
 Date: February 2018
 Architect: Riyan Private Limited
 Drawn by: Razana Akter
 Services: Aishath Ahmed
 Interior: -



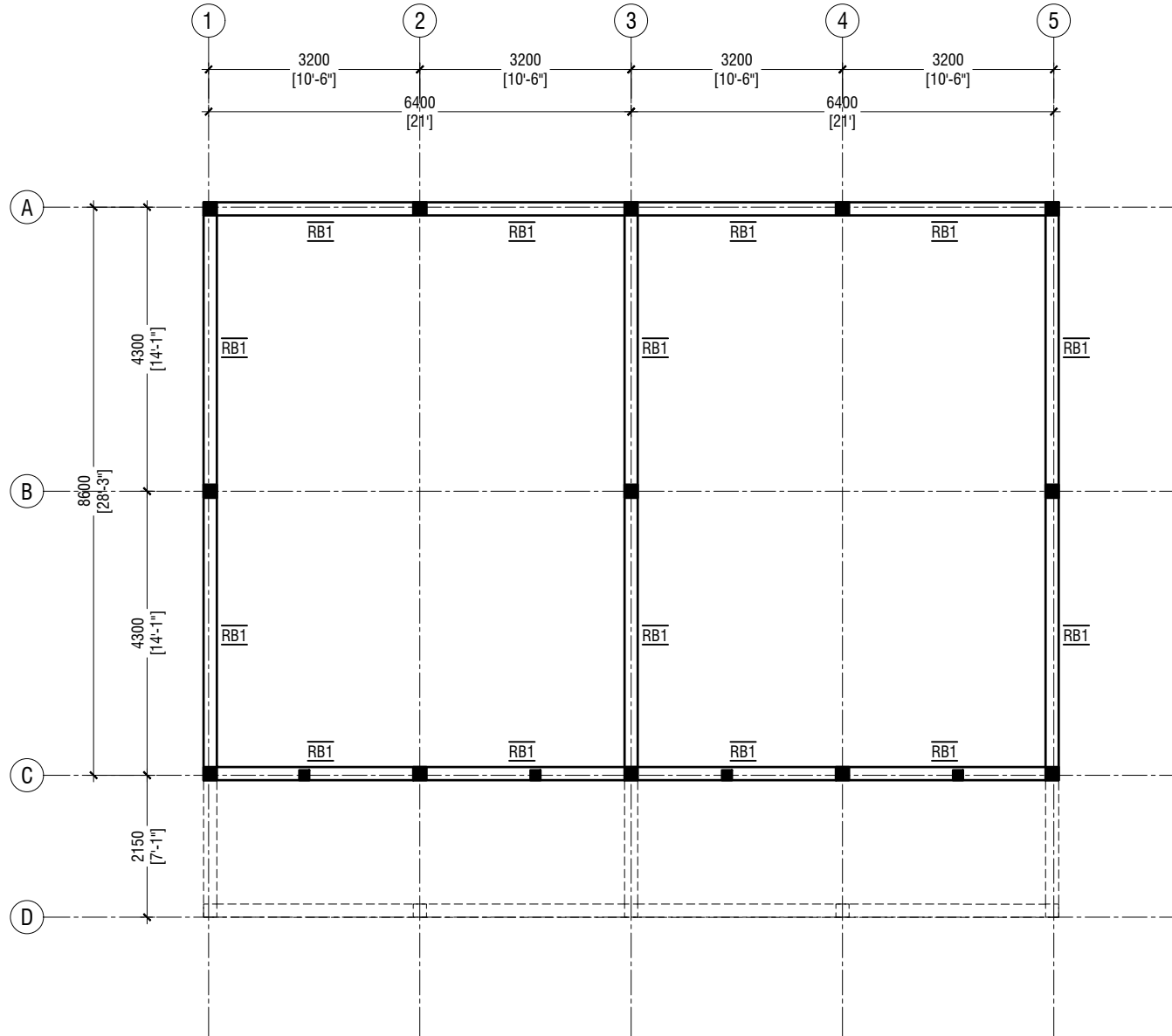
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Title: Roof Beam - 1
 Layout Plan

Page: S-02/07

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NOTE:

COLUMN SIZES

- C1 : 200x200 mm
- C2 : 200x200 mm
- SC : 150x150 mm
- COVER : 35-40mm

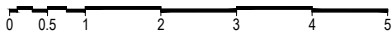
BEAM SIZES

- RB1 : 200x300 mm
- COVER : 35mm

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

ROOF BEAM - 2 @3.75M FROM F.F.L LAYOUT PLAN

SCALE 1:100



Thuraakunu School
Client: Ministry of Education

Project Number: RI/2017/012
 Date: February 2018
 Architect: Riyan Private Limited
 Drawn by: Razana Amir
 Services: Aishath Ahmed
 Interior: -

Rev no	Date



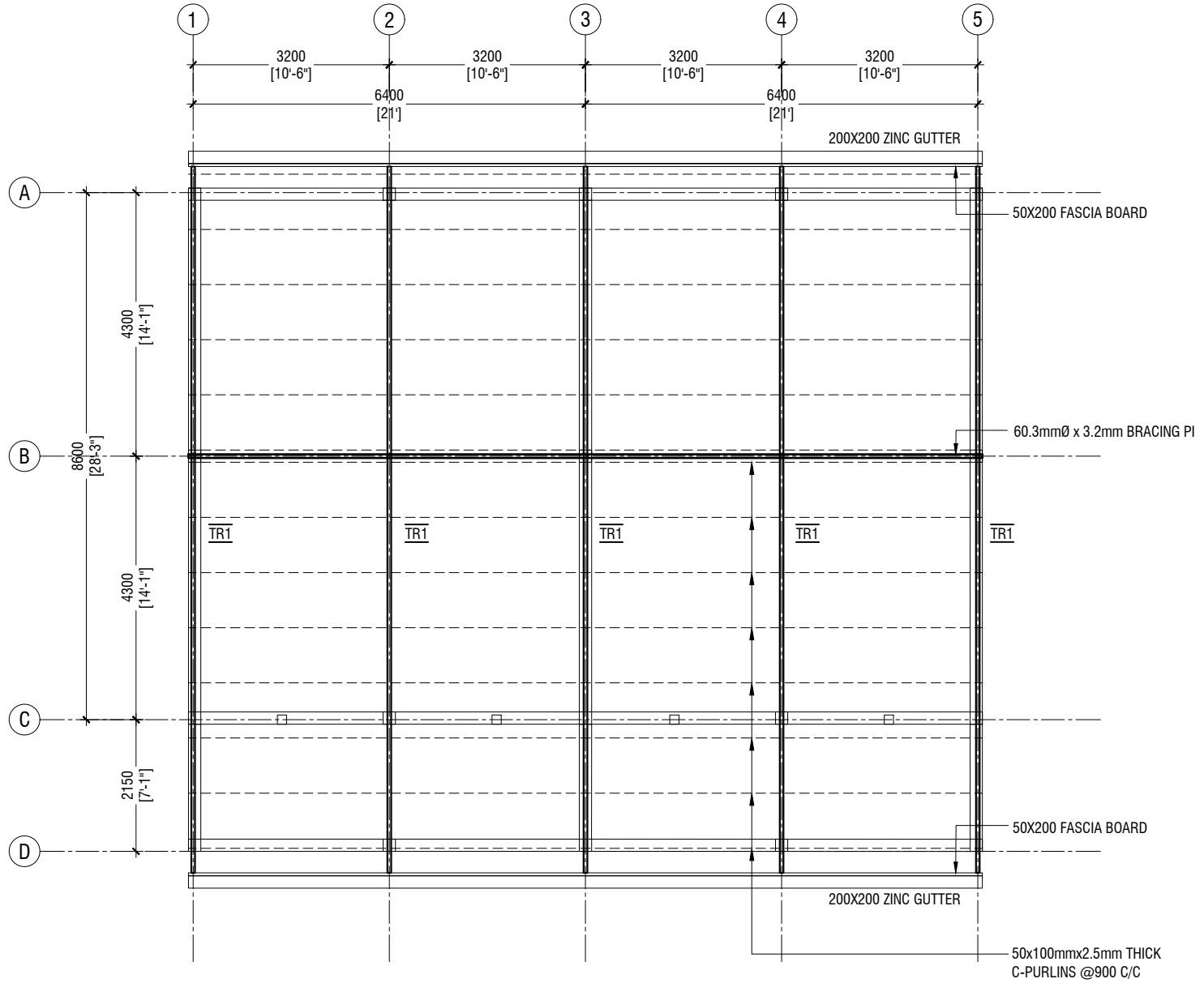
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Title: Roof Beam - 2
 Layout Plan

Page: S-03/07

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ROOF PLAN

SCALE 1:100



Thuraakunu School
Client: Ministry of Education

Rev no	Date
1	2018
2	2018
3	2018
4	2018
5	2018

Project Number: RI/2017/012
Date: February 2018
Architect: Riyan Private Limited
Designed by: Razana Akmal
Drawn by: Razana Akmal
Services: Aishath Ahmed
Interior:



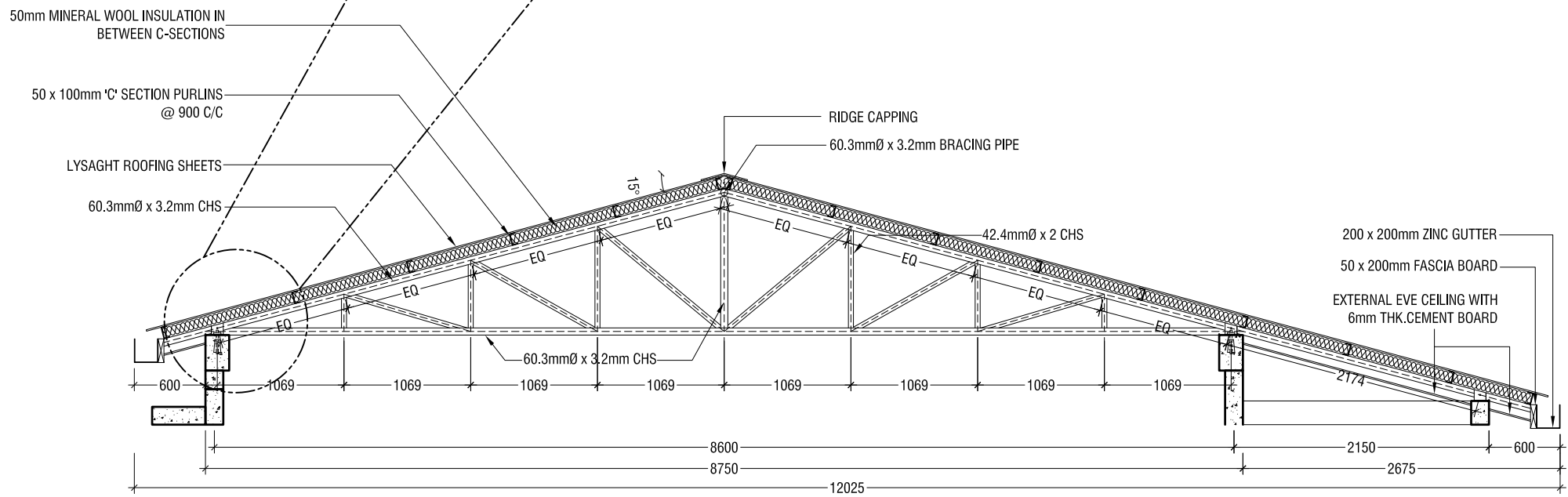
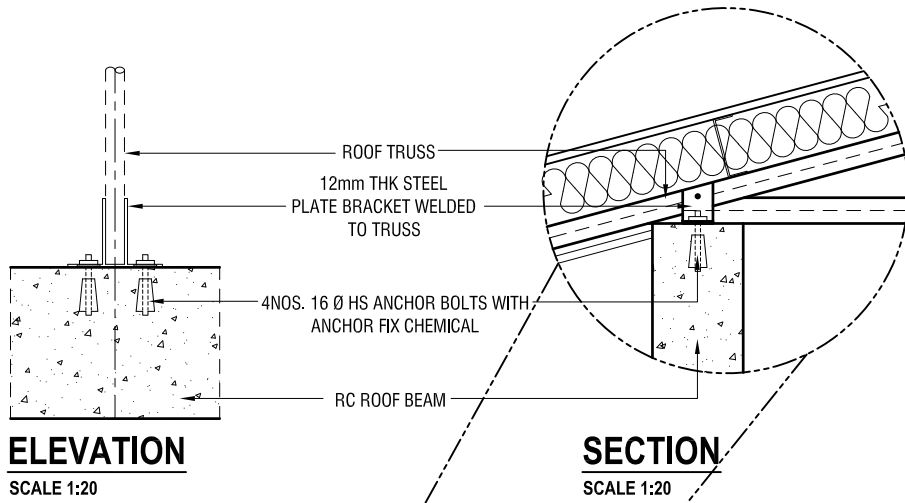
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Title: Roof Plan

Page: S-04/07

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TRUSS (TR1) DETAIL

SCALE 1:50



Thuraakunu School
 Client: Ministry of Education

Rev no	Date

Project Number: RI/2017/012
 Date: February 2018
 Architect: Razana Ahmed
 Designer: Razana Amir
 Services: Abith Ahmed
 Interior: -



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T: +9603315049 F: +9603310776
 E: info@rivan.com.mv
 W: www.rivan.com.mv
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Title: Truss (TR1) Detail

Page: S-05/07

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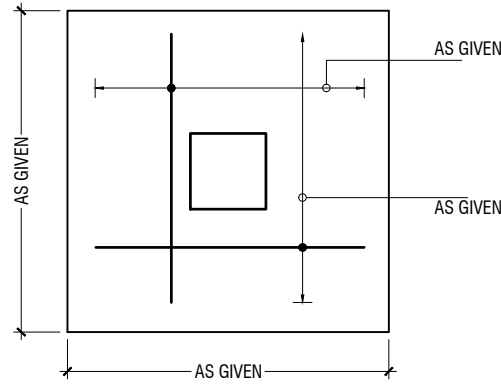
	DIMENSION	REINFORCEMENT
F1	700 x 700 x 300	T10@100 C/C B/W (B)
F2	850 x 850 x 300	T10@100 C/C B/W (B)

FOUNDATION DEPTH = 900mm

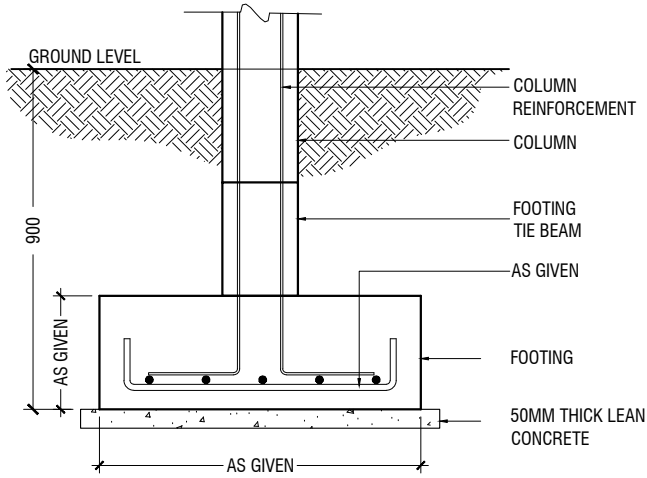
NOTE:-
 COVER TO FOUNDATION = 50mm
 COVER TO COLUMNS = 35-40mm
 COVER TO BEAMS = 35mm

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

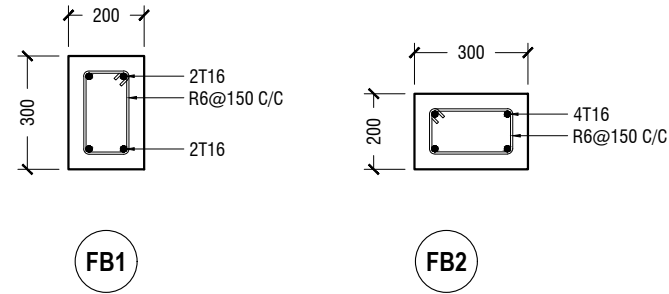
FOUNDATION PADS



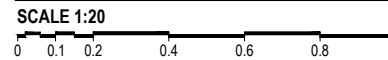
PLAN



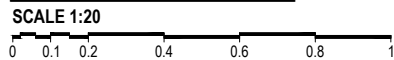
SECTION



FOUNDATION BEAM DETAILS



FOOTING DETAILS



Thuraakunu School
 Client: Ministry of Education

Project Number: RI/2017/012
 Date: February 2018
 Architect: Razana Ahmed
 Drawn by: Razana Amir
 Services: Aishath Ahmed
 Interior:



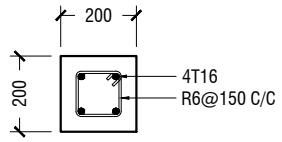
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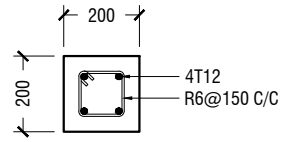
Title: Footing Details

Page: S-06/07

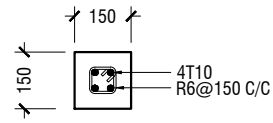
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C1



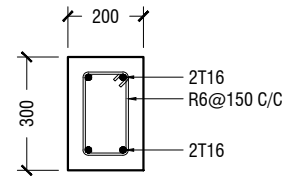
C2



SC

COLUMN DETAILS

SCALE 1:20



RB1

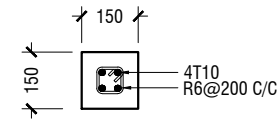
ROOF BEAM DETAIL

SCALE 1:20

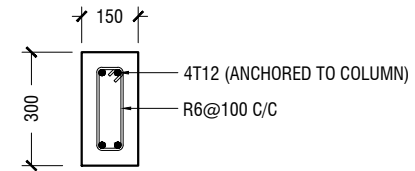


STRUCTURAL DETAILS

SCALE 1:20



LT1

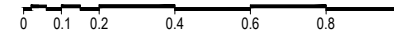


LT2

LINTELS OVER ALL DOORS, WINDOWS
(THAT DOES NOT RISE TO ROOF BEAM LEVEL)
LT2 FOR WINDOW (W2) ONLY

LINTEL/SILL BEAM DETAIL

SCALE 1:20



Thuraakunu School
Client: Ministry of Education

Rev no	Date
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Project Number: RI/2017/012
Date: February 2018
Architect: Razana Ahmed
Drawn by: Razana Amir
Services: Ashraf Ahmed
Interior: ..



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3rd Floor, H. Azim, Ameenkeemagaa, Malé

Title: Structural Details

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