

Proposed Single Storey Classroom Block at
MJM Fuvahmulah School
Client: Ministry of Education



RIYAN PRIVATE LIMITED

t: +9602315049 f: +9602310776
e: info@riyan.com.mv
w: www.riyan.com.mv
3rd floor, H. Azum, Ameenemagu, Male'

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MJM FUVAHMULAH SCHOOL SITE PLAN

SCALE 1:100



MJM Fuvahmulah School - 2 Classroom Block
(Single Story)
Client: Ministry of Education

Project Number: R/2017/012	Rev no	Date
Date: July 2019	--	-----
Architect: Mariyam Irasha	--	-----
Engineer: Ihsaan Waheed	--	-----
Drawn By: Mariyam Irasha	--	-----
Services: Aishath Ahmed	--	-----

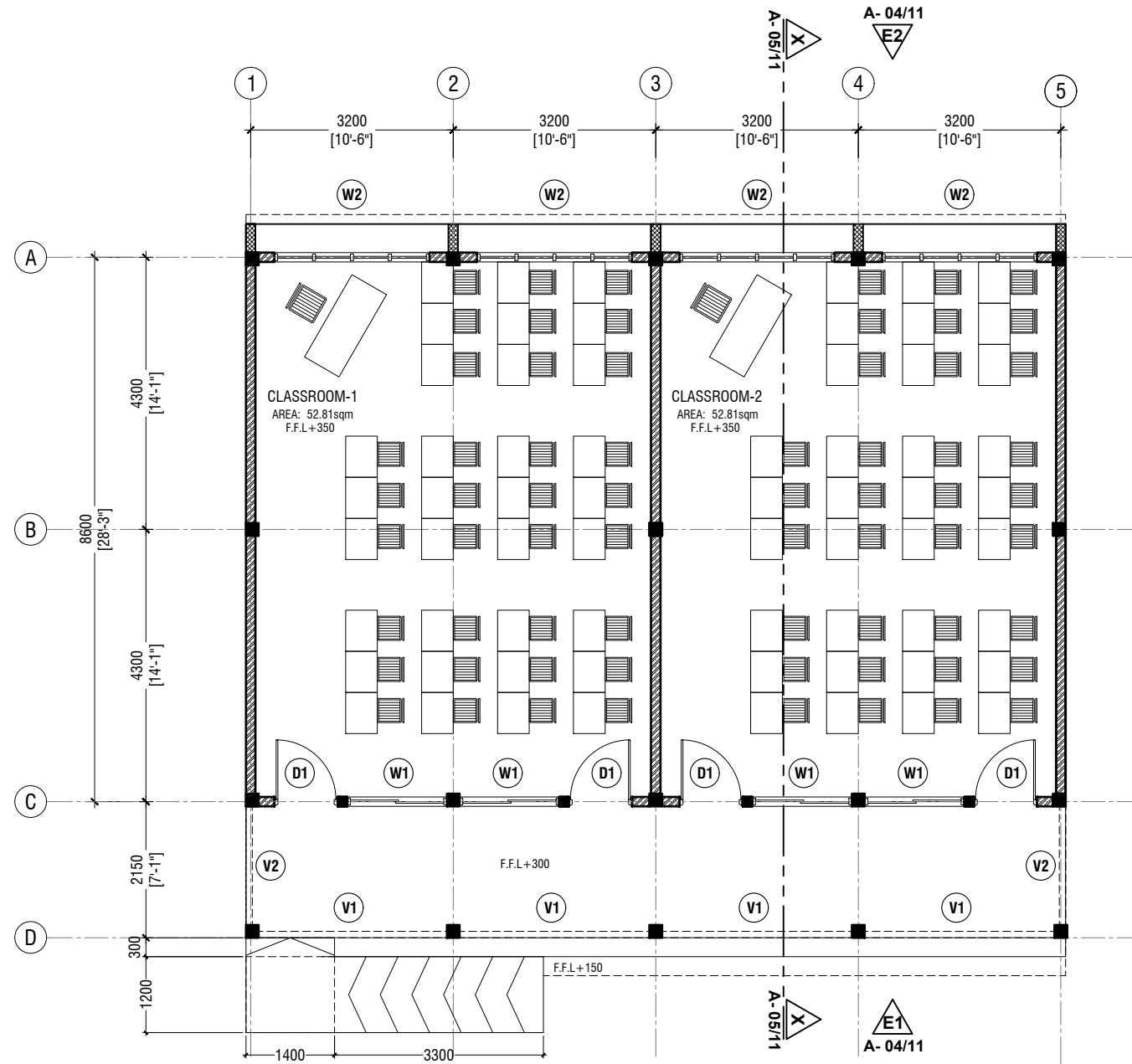


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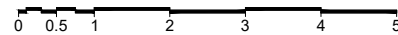
Title: Site Plan

Page: A-01/11



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

MJM Fuvahmulah School - 2 Classroom Block
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Date: July 2019		
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Engineer: Ihsaan Waheed		
Drawn by: Mariyam Irasha		
Services: Aishath Ahmed		



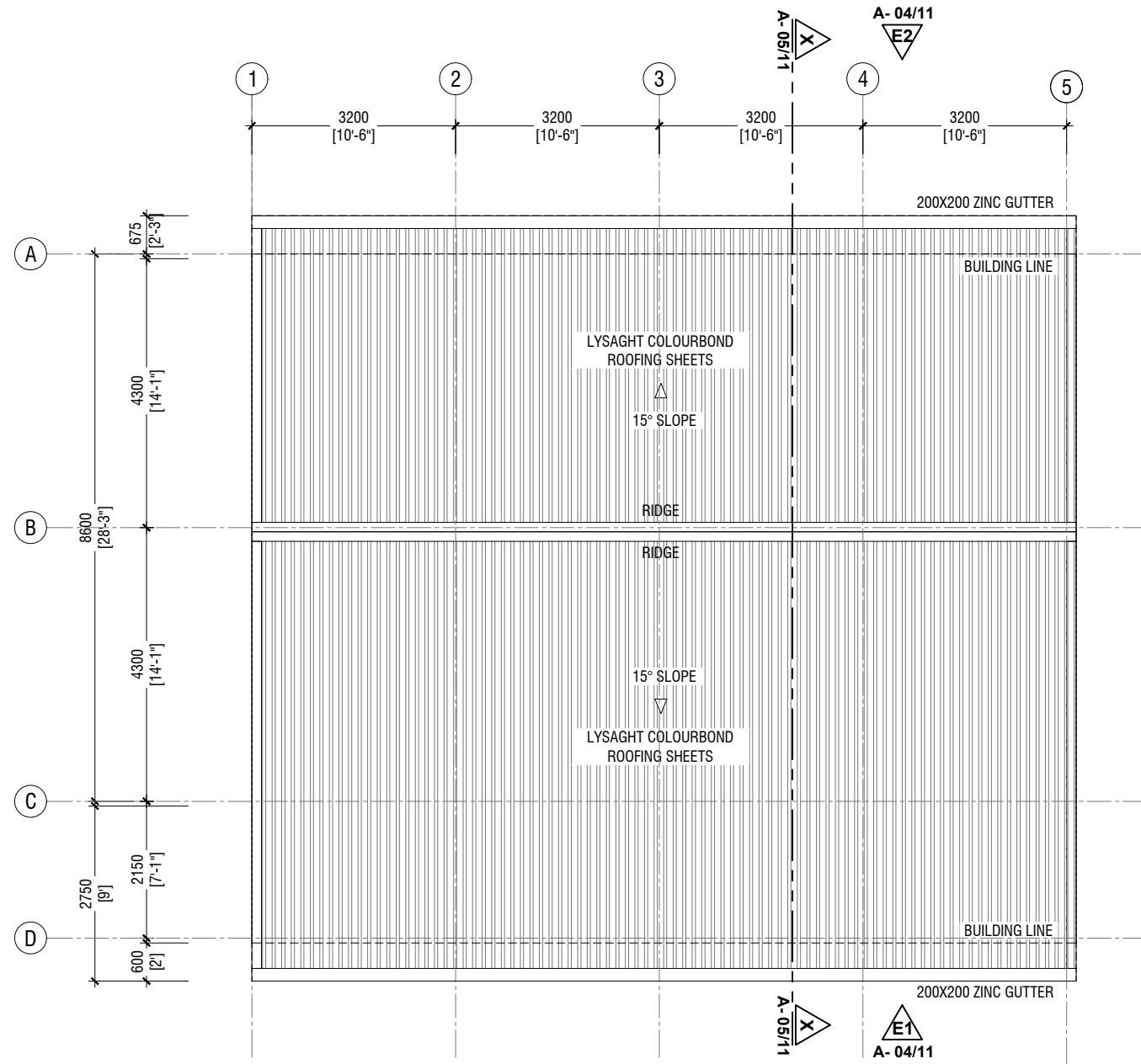
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Title: Ground Floor Plan

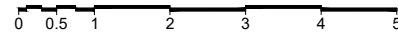
Page: A-02/11

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ROOF PLAN

SCALE 1:100



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Project Number:	Rev no	Date
R/2017/012		
Date: July 2019		
Architect: Mariyam Irasha		
Engineer: Ihsaan Waheed		
Drawn by: Mariyam Irasha		
Services: Aishath Ahmed		

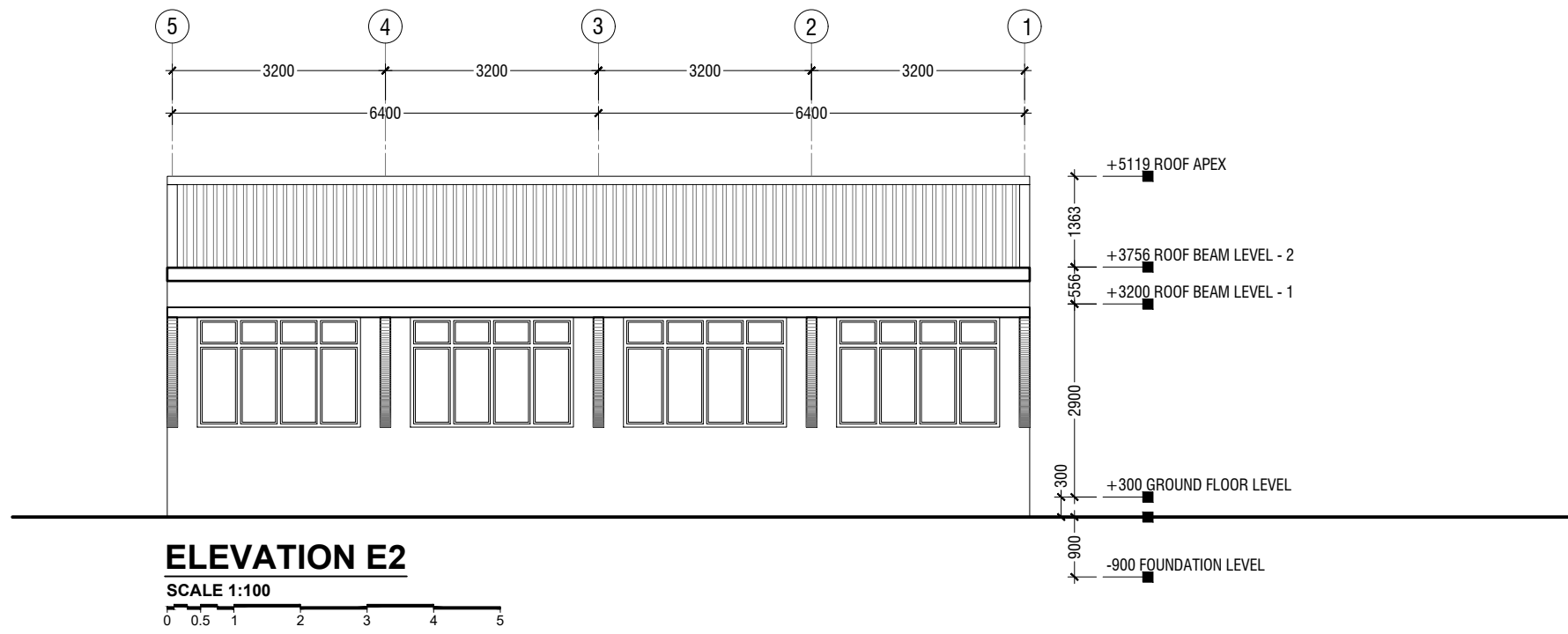
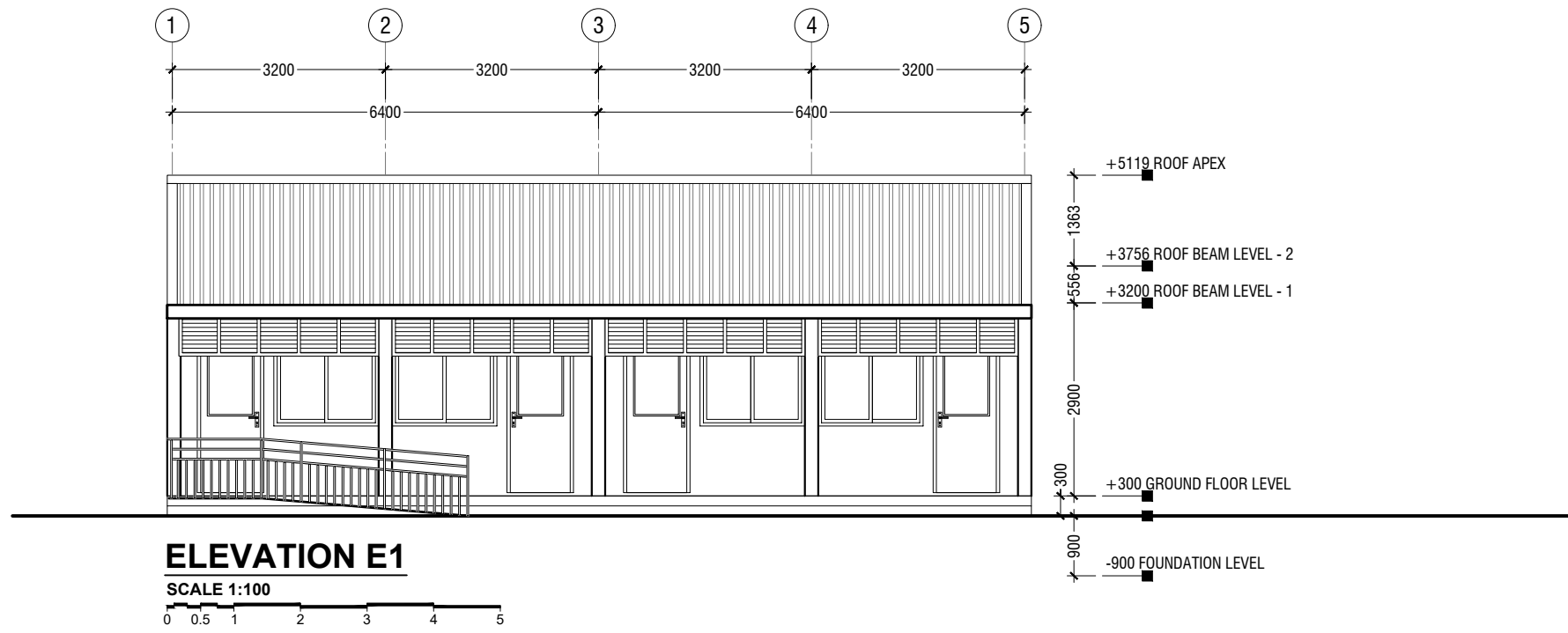


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Title: Roof Plan

Page: A-03/11



MJM Fuvahmulah School - 2 Classroom Block
(Single Story)
Client: Ministry of Education

Rev no	Date
1	2017/01/2
2	2017/07/20
3	2017/07/20
4	2017/07/20
5	2017/07/20

Project Number: RI/2017/012
Date: July 2019
Architect: Mariyam Irasha
Engineer: Ihsaan Waheed
Drawn by: Mariyam Irasha
Services: Aishath Ahmed



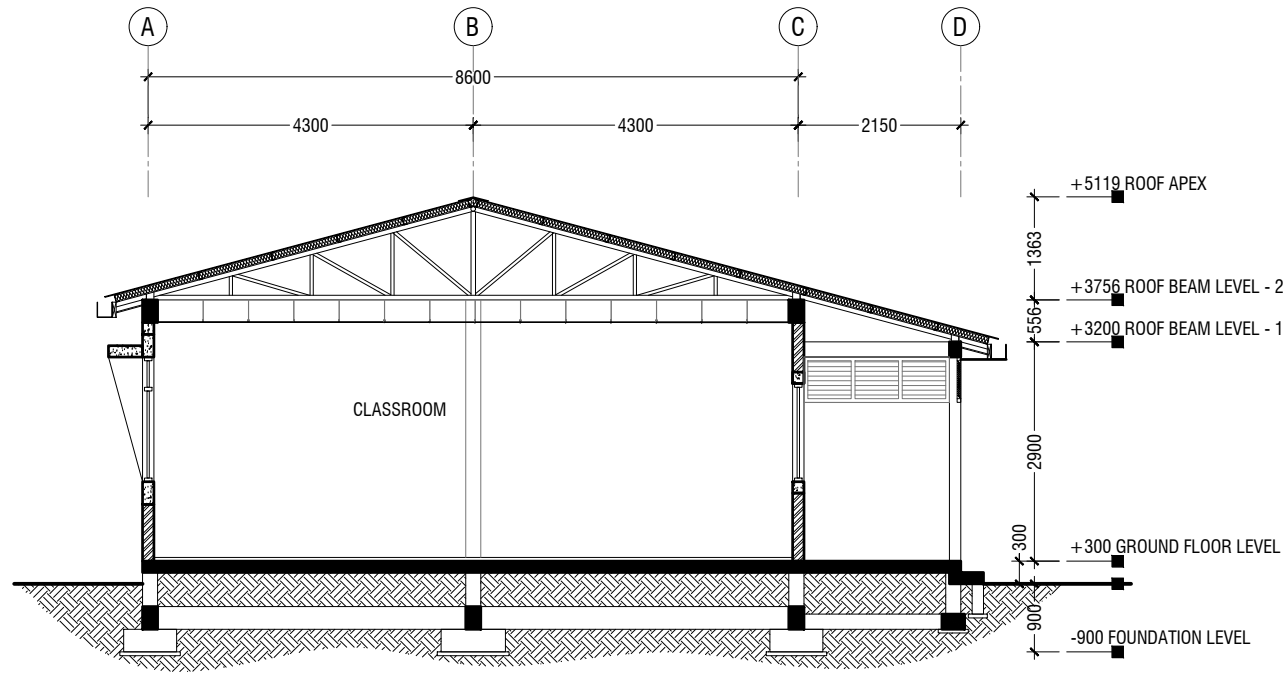
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Title: Elevation E1 & Elevation E2

Page: A-04/11

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SECTION X-X

SCALE 1:100



MJM Fuvahmulah School - 2 Classroom Block
(Single Story)
Client: Ministry of Education

Project Number:	Rev no	Date
R/2017/012		
Date: July 2019		
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Engineer: Ihsaan Waheed		
Drawn By: Mariyam Irasha		
Services: Aishath Ahmed		



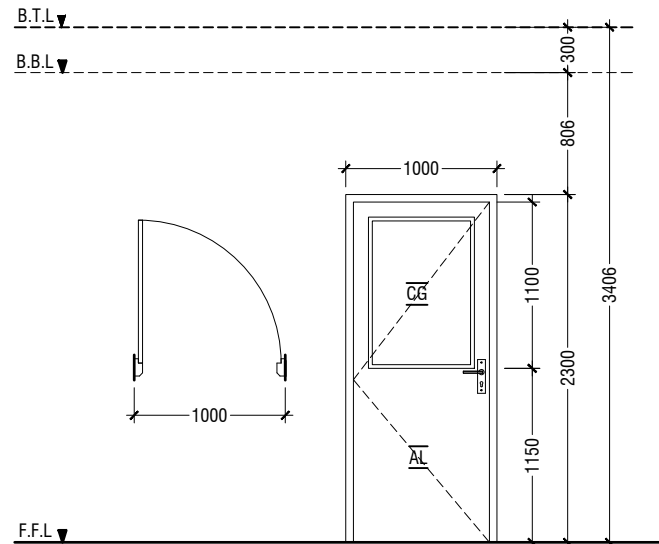
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Title: Section X-X

Page: A-05/11

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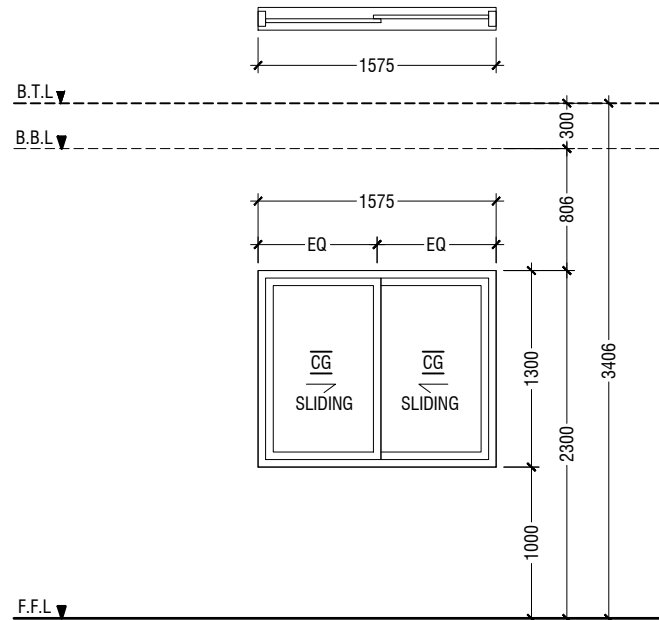
D1	SWING DOOR
REMARKS	50mm THICK POWDER COATED (60 MICRONS) ALUMINIUM FRAMED WITH ALUMINIUM PANEL AND CLEAR GLASS
LOCATION	CLASSROOM
QUANTITY	04 NOS
OPEN AREA	2.03 sqm

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

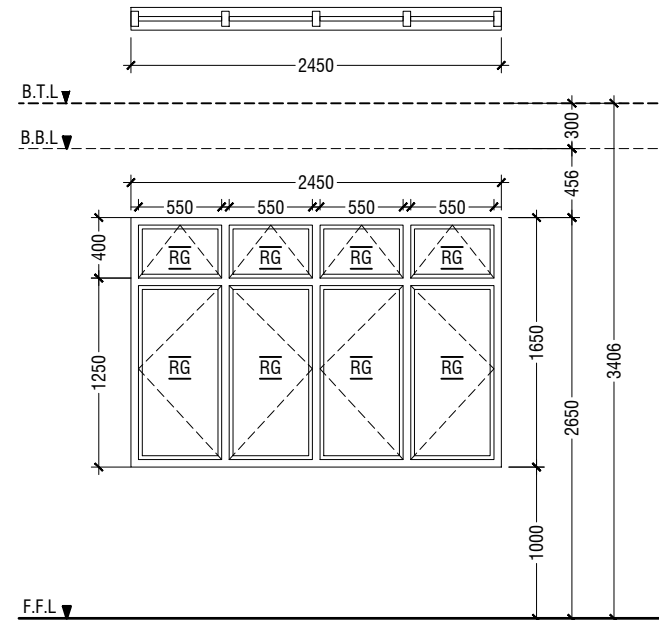
NOTE:-
 - ALL DOORS & WINDOWS TO BE CHECKED ON SITE BEFORE FABRICATION.
 - ALL DOOR & WINDOWS VIEWED FROM EXTERIOR, FOR DOOR SWING, REFER TO FLOOR PLANS.
 - THE DOORS / WINDOWS WHICH DO NOT TOUCH THE BEAM SHALL HAVE A LINTEL BEAM (LB) ABOVE THE DOOR / WINDOW.
 - FOR ALL THE WINDOWS PUT A SILL BEAM BELOW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

DOOR / WINDOW SCHEDULE - 1

SCALE 1:50
 0 0.25 0.5 1 1.5 2 2.5



W1	SLIDING WINDOW
REMARKS	50mm THICK POWDER COATED (60 MICRONS) ALUMINIUM FRAMED WITH ALUMINIUM PANEL AND CLEAR GLASS
LOCATION	CLASSROOM
QUANTITY	04 NOS
OPEN AREA	0.92 sqm



W2	SWING WINDOW
REMARKS	50mm THICK POWDER COATED (60 MICRONS) ALUMINIUM FRAMED WINDOW WITH REFLECTIVE GLASS
LOCATION	CLASSROOM
QUANTITY	04 NOS
OPEN AREA	3.30 sqm

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 Drawn by: Mariyam Irasha
 Services: Aishath Ahmed

Rev no

Date

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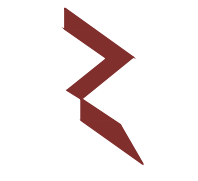
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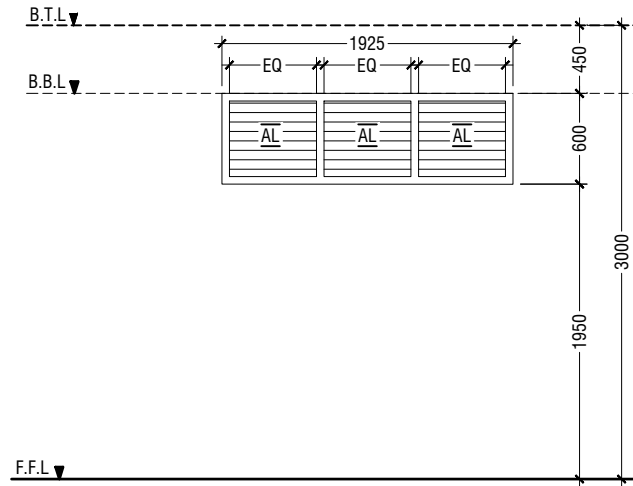
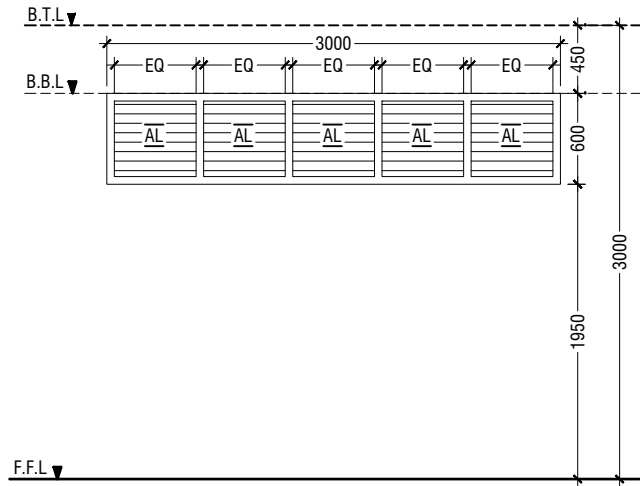
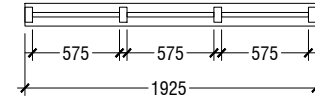
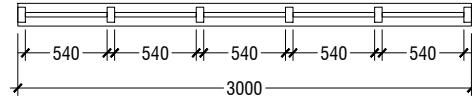
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Title: Door/Window Schedule

Page: A-06/11

1

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V1	SUNSHADING
REMARKS	50mm THICK WHITE POWDER COATED (60 MICRONS) ALUMINUM FRAMED WITH ALUMINUM LOUVERS
LOCATION	CORRIDOR
QUANTITY	32 NOS
OPEN AREA	1.35 SQM

V2	SUNSHADING
REMARKS	50mm THICK WHITE POWDER COATED (60 MICRONS) ALUMINUM FRAMED WITH ALUMINUM LOUVERS
LOCATION	CORRIDOR
QUANTITY	08 NOS
OPEN AREA	0.84 SQM

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

NOTE:-
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 - 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)
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DOOR / WINDOW SCHEDULE - 2

SCALE 1:50

SCHEDULE OF VENTILATION FOR MJM FUVAHMULAH 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 Classroom-1	52.81	2W1 & 2W2	5.28	8.44	15.98%
2 Classroom-2	52.81	2W1 & 2W2	5.28	8.44	15.98%

VENTILATION SCHEDULE

NOT TO SCALE

MJM Fuvahmulah School - 2 Classroom Block
 (Single Story)
 Client: Ministry of Education

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

Project Number: RI/2017/012
 Date: July 2019
 Architect: Mariyam Irasha
 Engineer: Ihsaan Waheed
 Drawn by: Mariyam Irasha
 Services: Aishath Ahmed



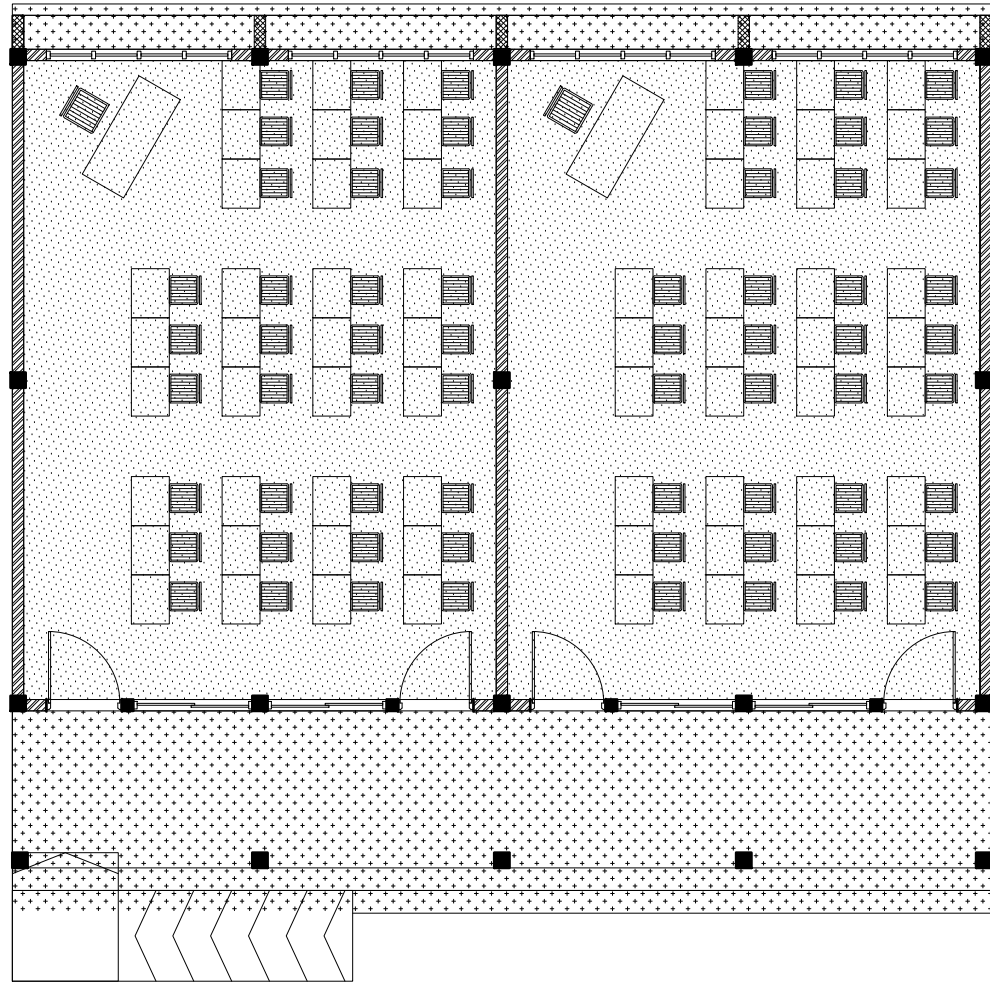
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 w: www.ryan.com.mv
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Title: Door/Window Schedule
 2 & Ventilation Schedule

Page: A-06/11

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REFLECTED CEILING PLAN

SCALE 1:100



LEGEND

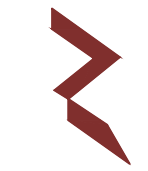
CODE	DESCRIPTION
	FIXED CEILING 'BORAL' OR EQUIVALENT PLASTERBOARD CEILING SYSTEM WITH TIMBER FRAMES, APPLIED WITH GROUND SMOOTH FINISH IN SELECTED PAINT CEILING HEIGHT : +3106mm
	CEMENT BOARD ON ROOF EAVE/GABLE CEILING

MJM Fuvahmulah School - 2 Classroom Block
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Architect: Mariyam Irasha
Engineer: Ihsaan Waheed
Drawn By: Mariyam Irasha
Services: Aishath Ahmed

Rev no

Date

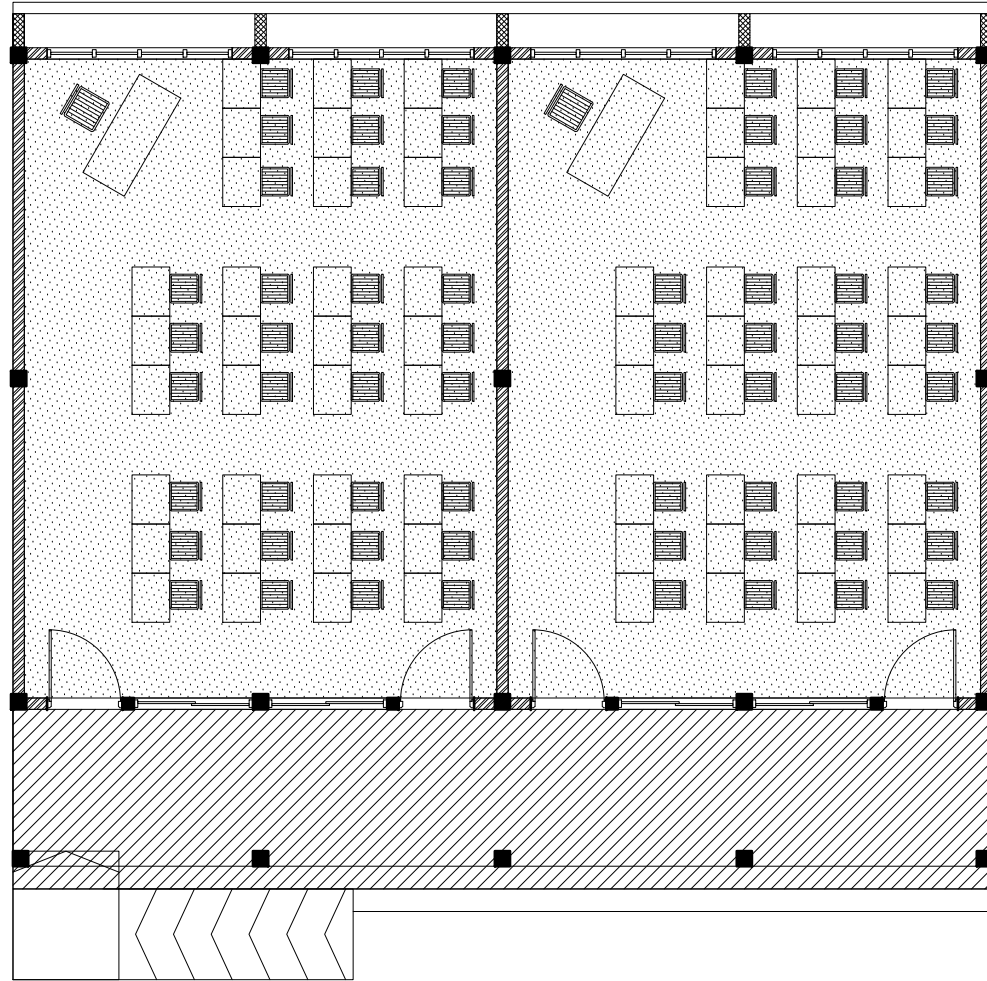


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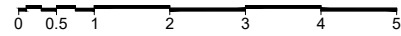
Title: Reflected Ceiling Plan

Page: A-07/11


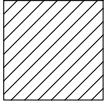


FLOOR FINISHES PLAN

SCALE 1:100



LEGEND

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

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Date: July 2019
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Engineer: Ihsaan Waheed
Drawn by: Mariyam Irasha
Services: Aishath Ahmed

Rev no

Date

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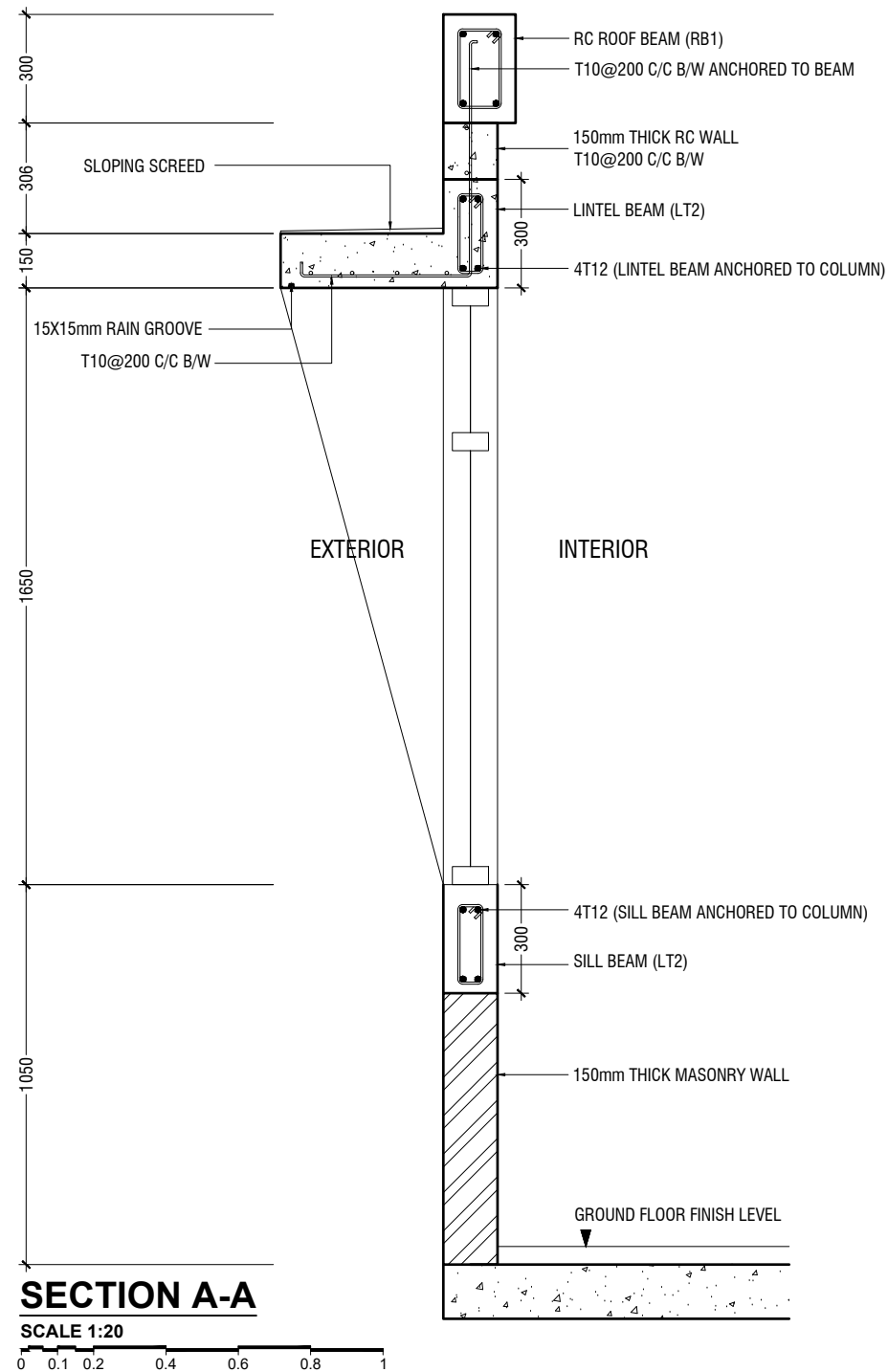
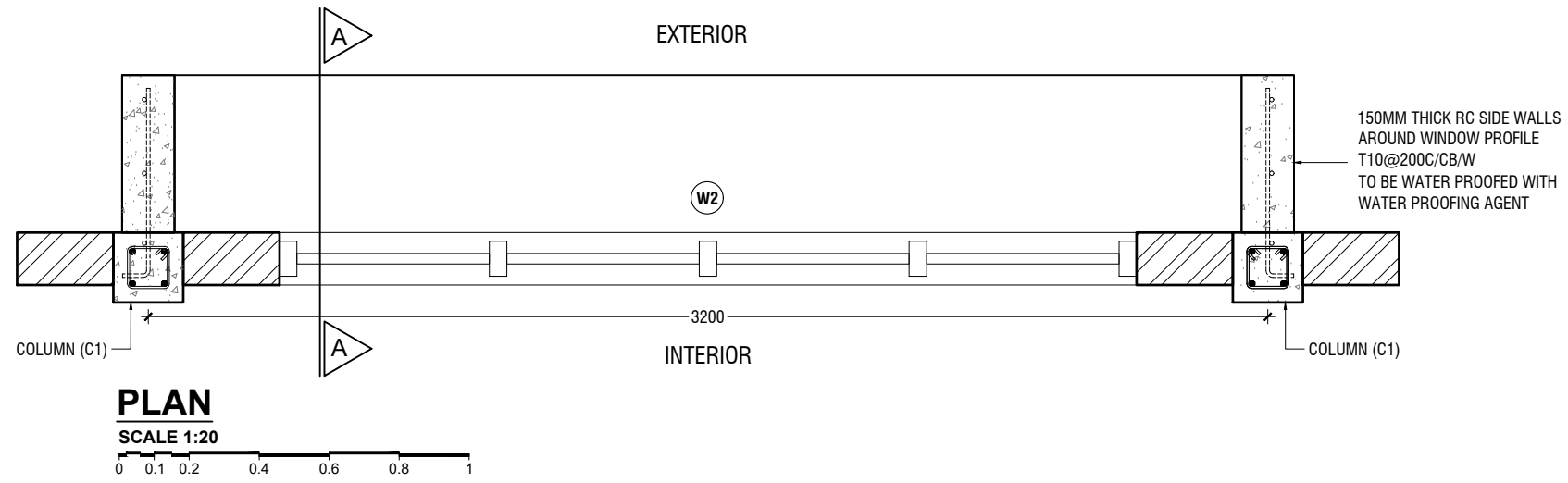


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Title: Floor Finishes Plan

Page: A-08/11



RC WALL DETAIL

SCALE 1:20

0 0.1 0.2 0.4 0.6 0.8 1

MJM Fuvahmulah School - 2 Classroom Block
(Single Story)
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Project Number: RI/2017/012	Rev no	Date
Date: July 2019		
Architect: Mariyam Irasha		
Engineer: Ihsaan Waheed		
Drawn by: Mariyam Irasha		
Services: Aishath Ahmed		



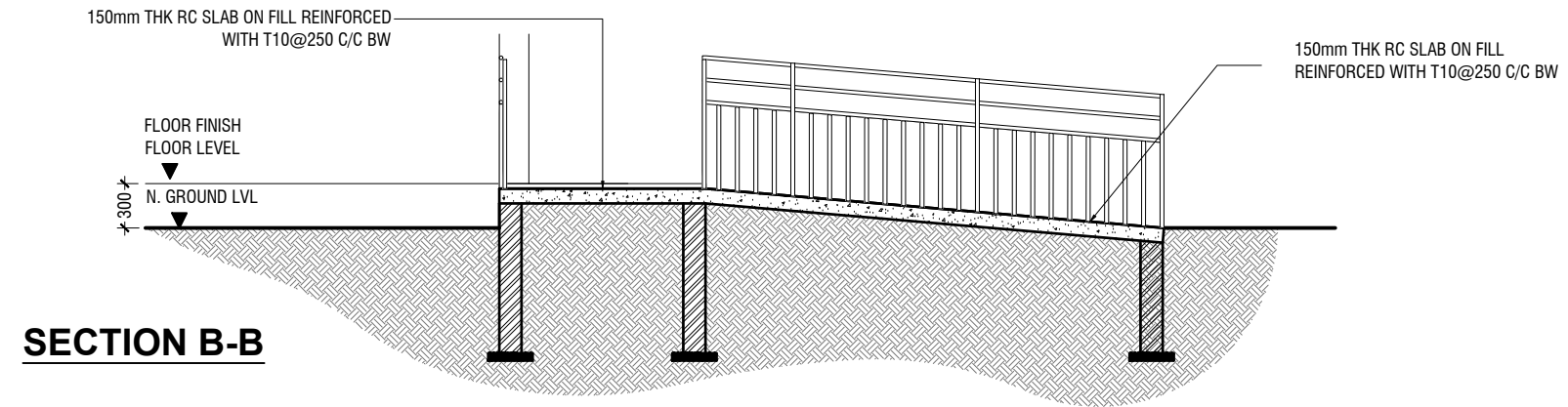
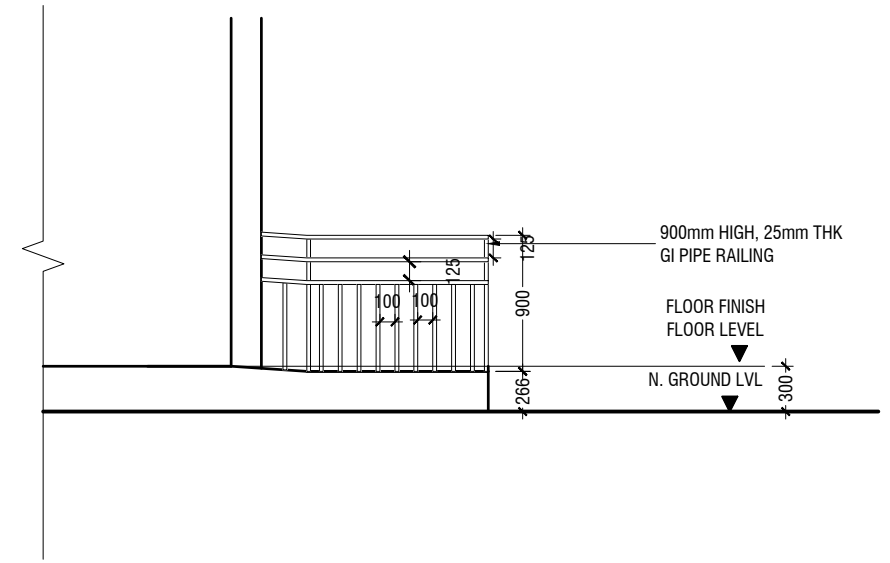
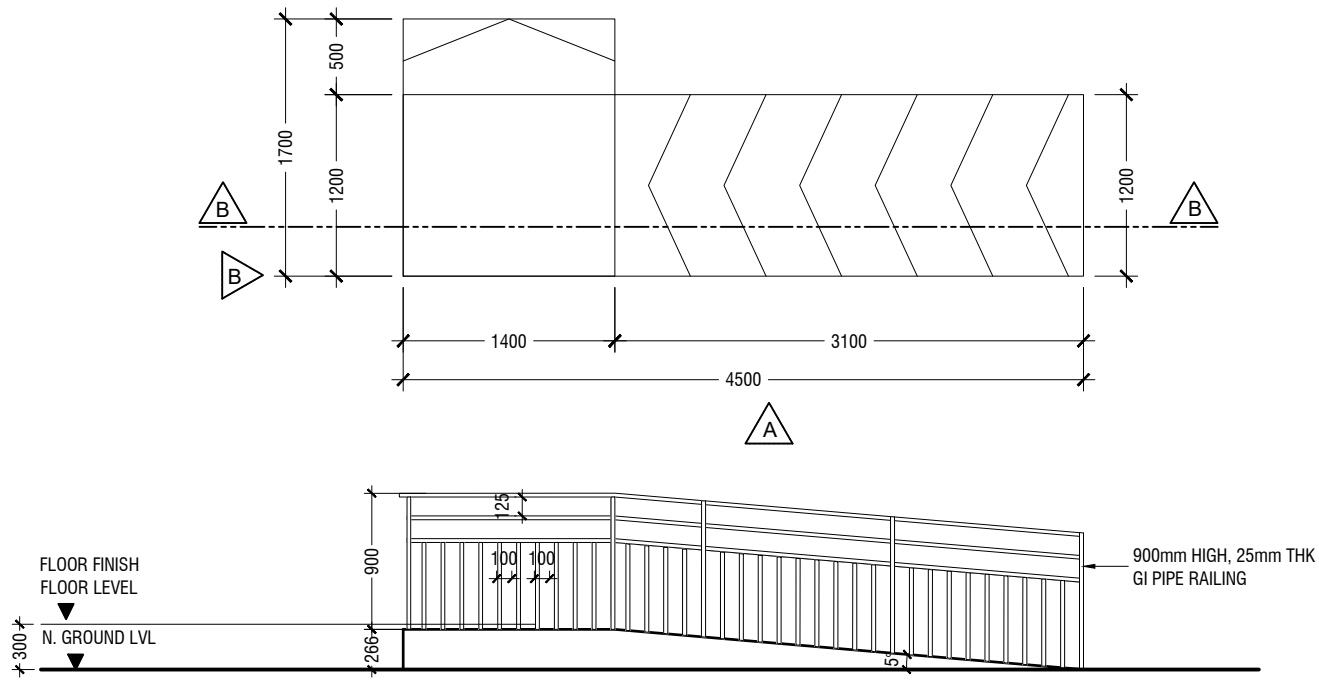
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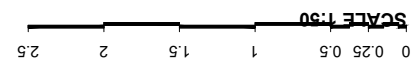
Title: Wall Details

Page: A-09/11

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MAIN ENTRANCE RAMP DETAIL



SECTION B-B

MJM Fuvahmulah School - 2 Classroom Block
(Single Story)
Client: Ministry of Education

Rev no	Date
1
2
3
4
5

Project Number: RI/2017/012
Date: July 2019
Architect: Mariyam Irasha
Engineer: Ihsaan Waheed
Drawn by: Mariyam Irasha
Services: Aishath Ahmed



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Title: RAMP DETAILS

Page: A-10/11

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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 B/W

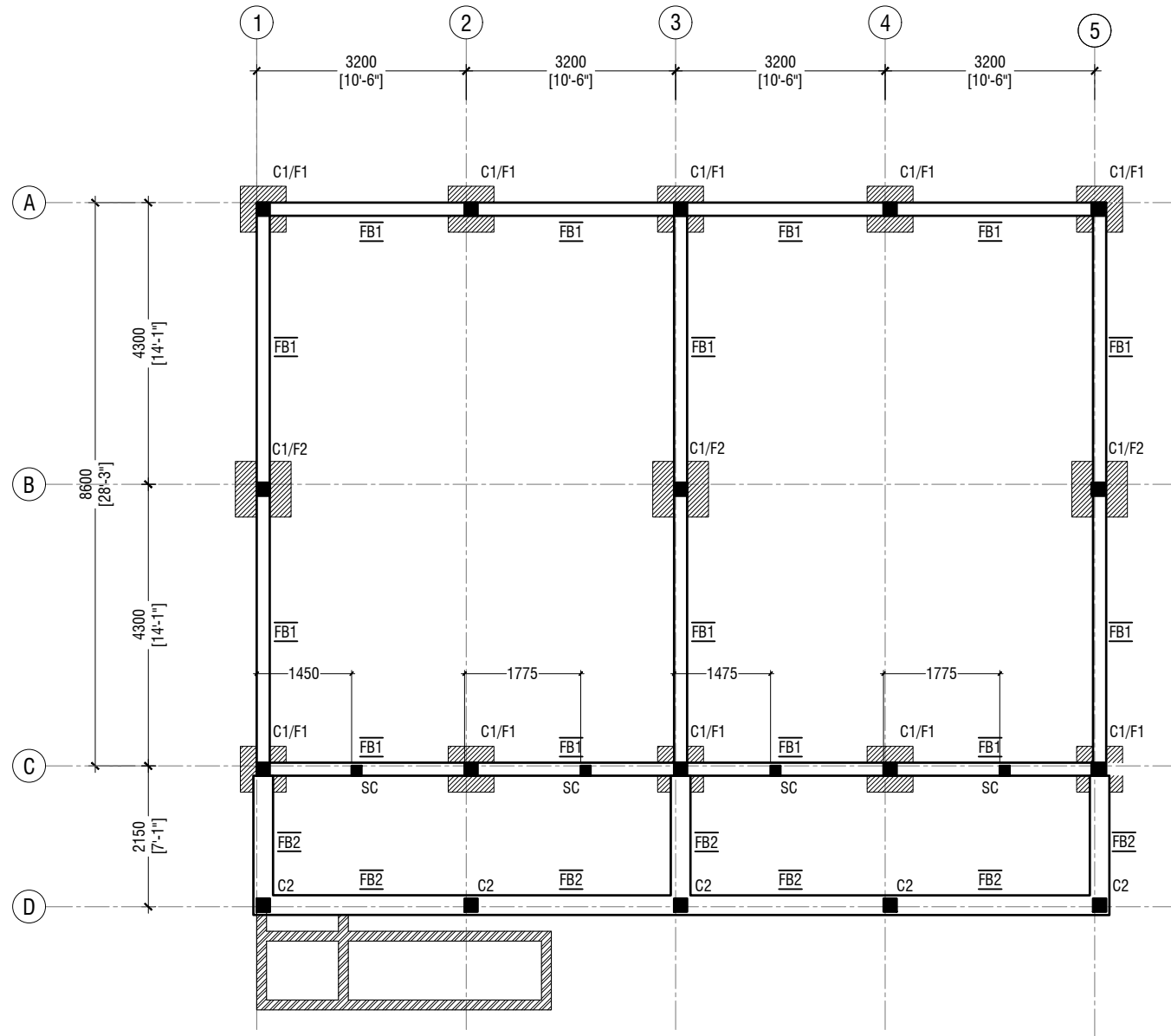
MIX RATIO = 1:2:3 (CEMENT : SAND : AGGREGATE)

 -150mm THK. SOLID MASONRY BLOCK WALL

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

FOUNDATION PLAN

SCALE 1:100



Gn.Fuvahmulah School - 2 Classroom Block
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 Engineer: Insan Wahied
 Drawn by: Mariyam Irasha
 Services: Alshah Ahmed
 Interior: -



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Title: Foundation Plan

Page: S-01/06

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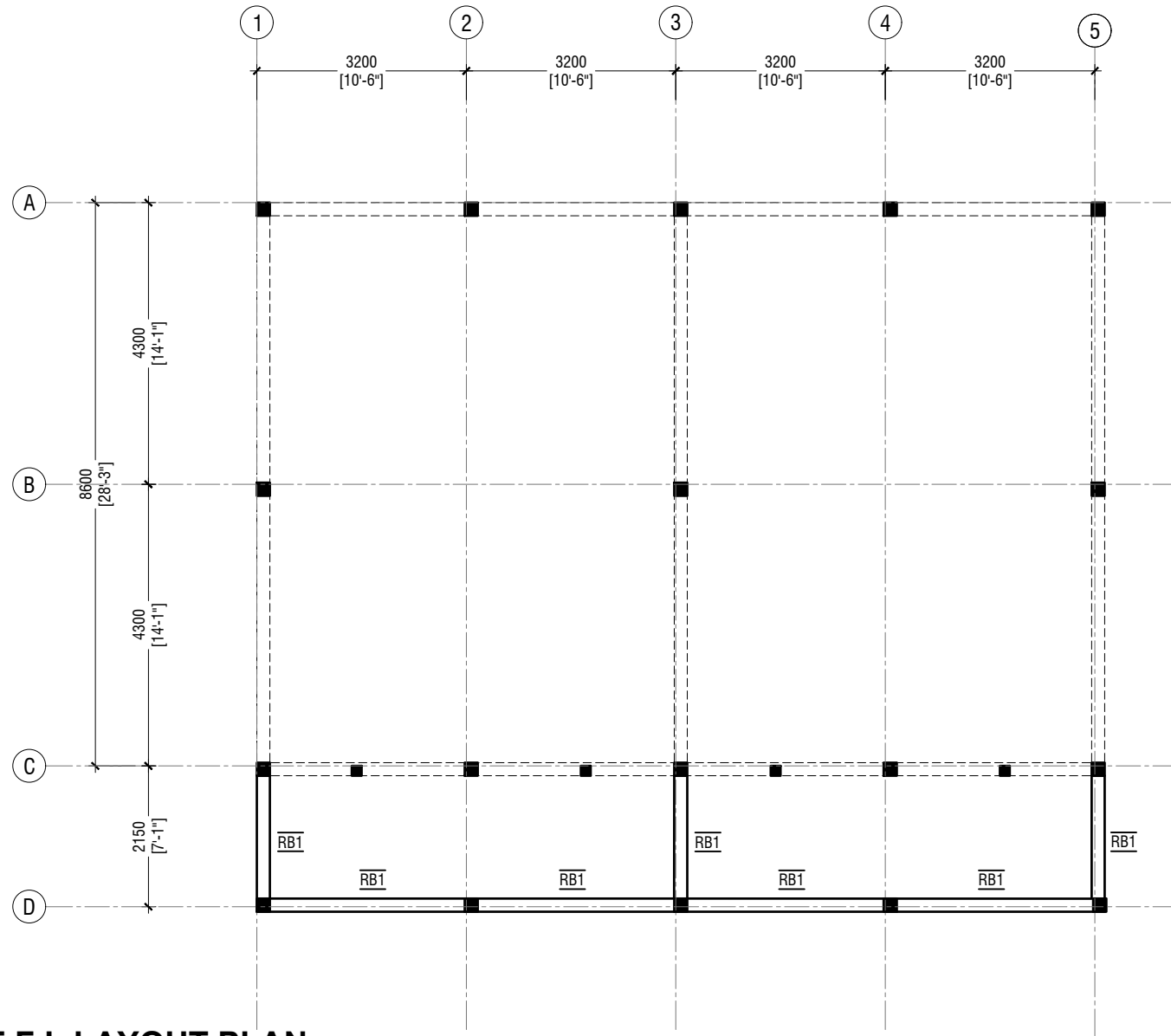
COLUMN SIZES

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



Gn.Fuvahmulah School - 2 Classroom Block
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 Drawn by: Mariyam Irasha
 Services: Alshah Ahmed
 Interior: -



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Title: Roof Beam - 1
 Layout Plan

Page: S-02/06

NOTE:

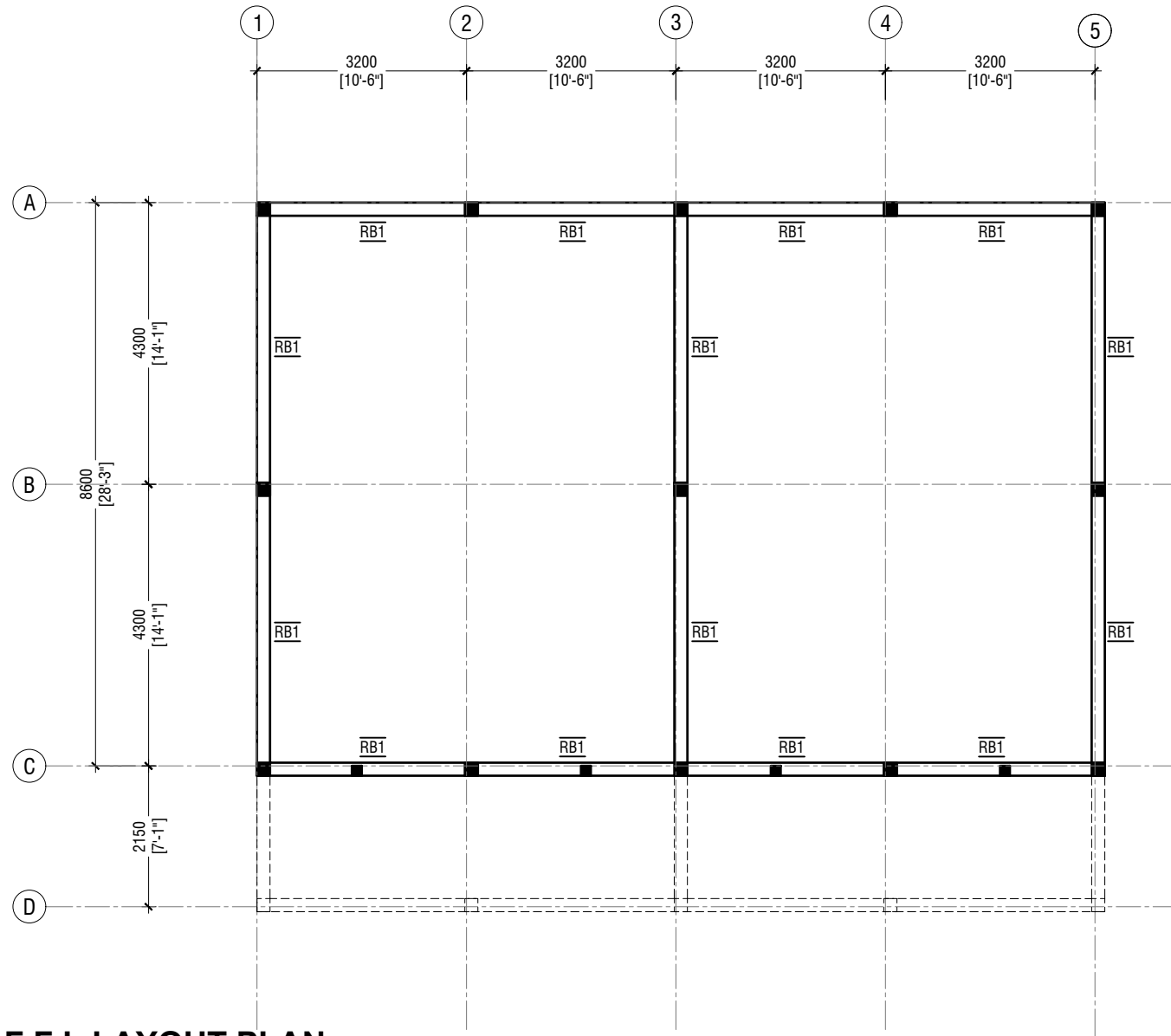
COLUMN SIZES

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



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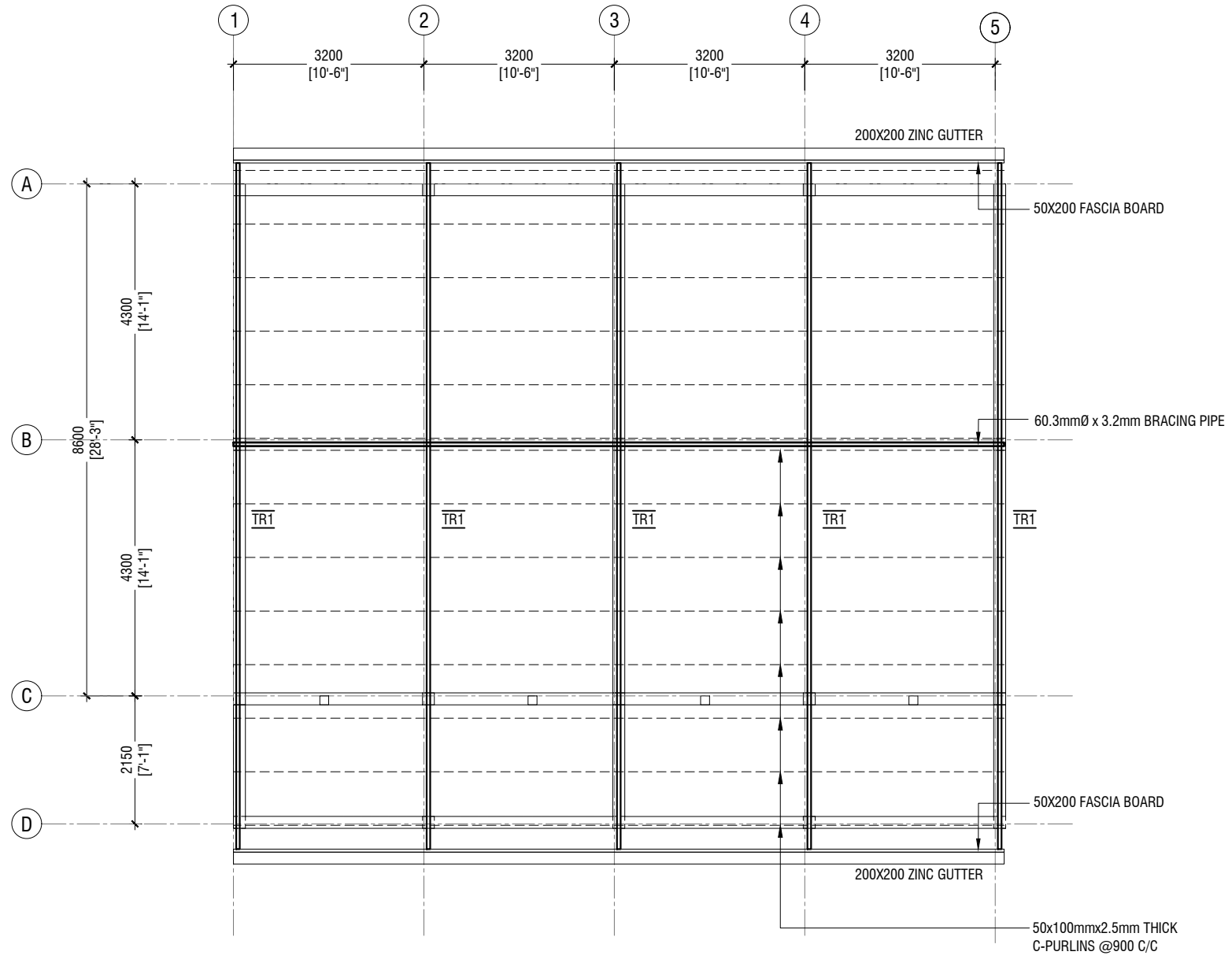
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Title: Roof Beam - 2
 Layout Plan

Page: S-03/06

ROOF FRAMING PLAN

SCALE 1:100



Gn.Fuvahmulah School - 2 Classroom Block
 Client: Ministry of Education

Rev no	Date
1	2019/07/01
2	2019/07/01
3	2019/07/01
4	2019/07/01

Project Number: RI/2017/012
 Date: July 2019
 Architect: Mariyam Irasha
 Engineer: Insan Waheed
 Drawn by: Mariyam Irasha
 Services: Alshah Ahmed
 Interior: -



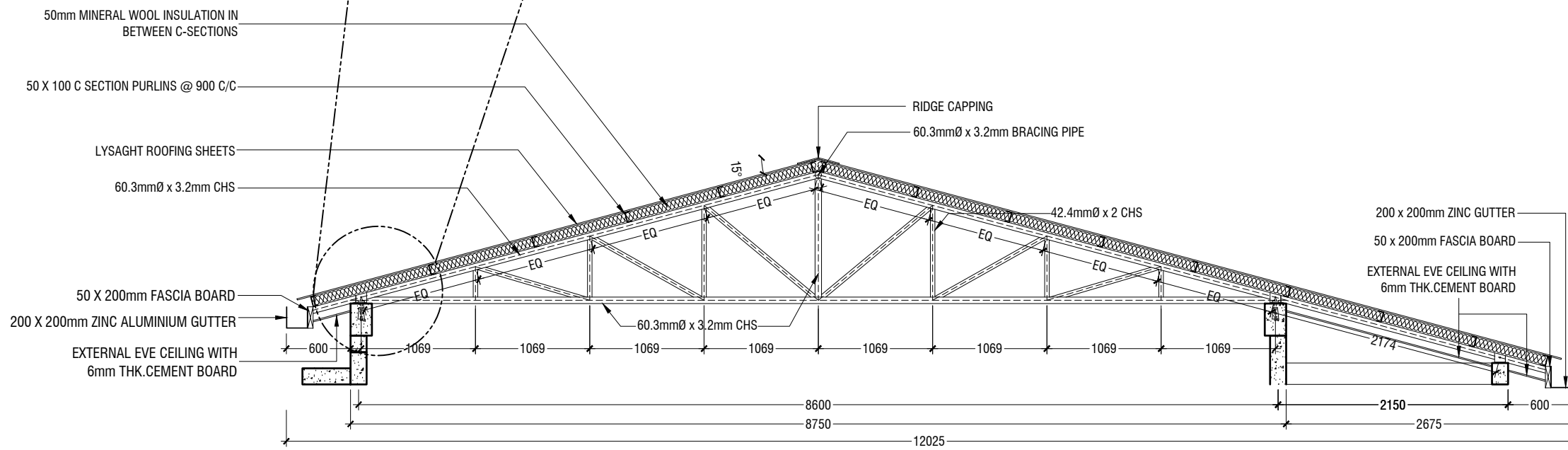
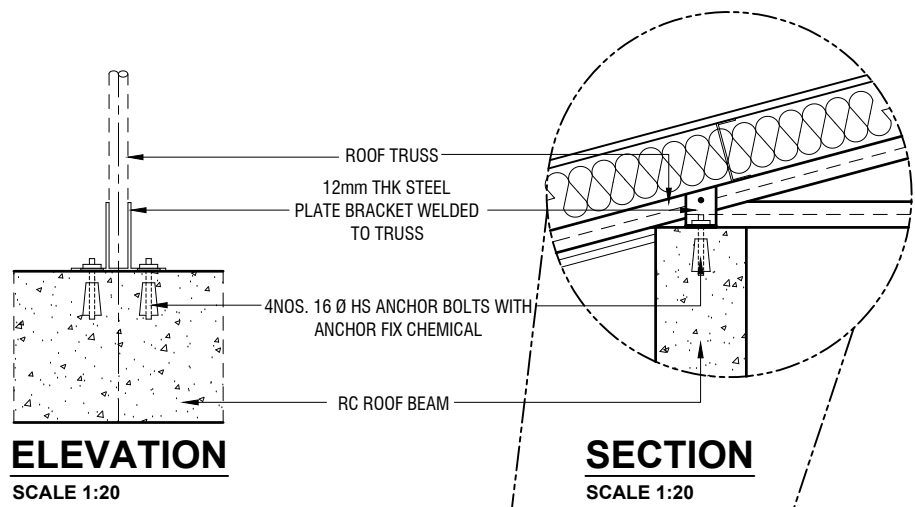
RIYAN PRIVATE LIMITED

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

Title: Roof Framing Plan

Page: S-04/06

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TRUSS TYPE TR1

SCALE 1:50

0 0.25 0.5 1 1.5 2 2.5

Gn.Fuvahmulah School - 2 Classroom Block
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Project Number: RI/2017/012
Date: July 2019
Architect: Mariyam Irasha
Engineer: Insan Wahied
Drawn by: Mariyam Irasha
Services: Alshah Ahmed
Interior: -

Rev no	Date



RYAN PRIVATE LIMITED

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

Title: Truss (TR1) Detail

Page: S-05/06

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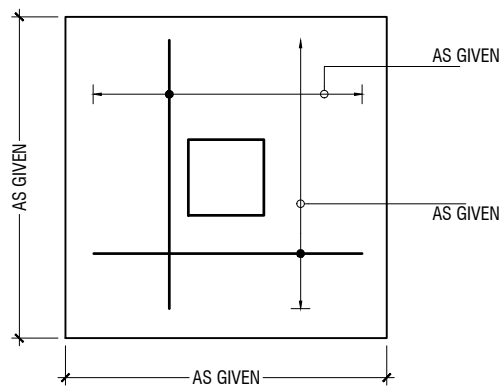
	DIMENSION	REINFORCEMENT
F1	700 x 700 x 300	T10@100 C/C B/W (B)
F2	850 x 850 x 300	T10@100 C/C B/W (B)

FOUNDATION DEPTH = 900mm

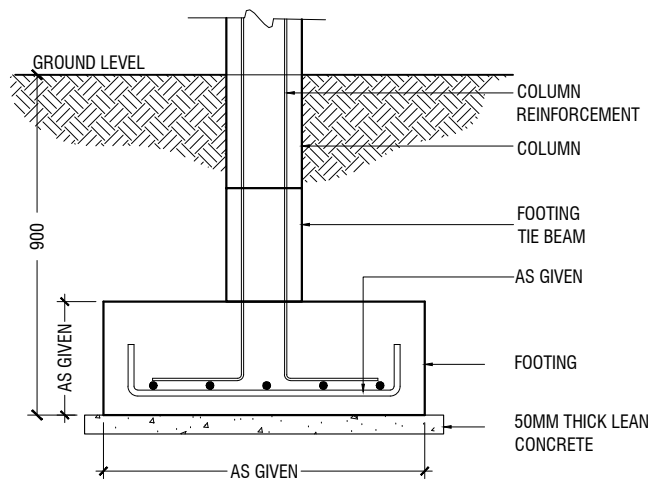
NOTE:-
COVER TO FOUNDATION = 50mm
COVER TO COLUMNS = 35-40mm
COVER TO BEAMS = 35mm

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

FOUNDATION PADS

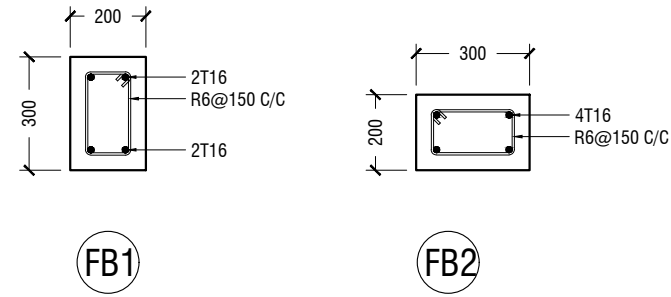
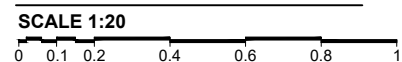


PLAN

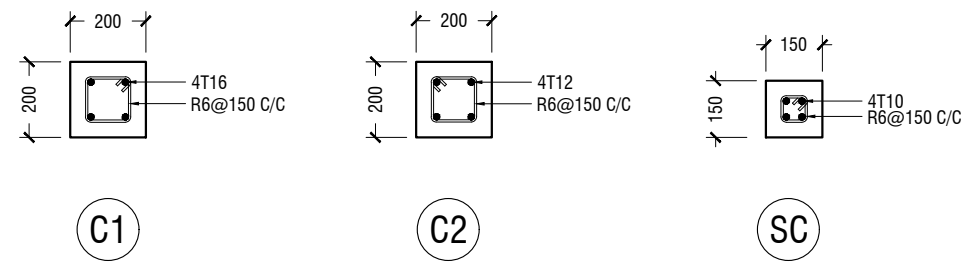
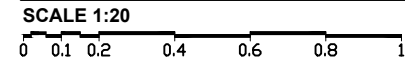


SECTION

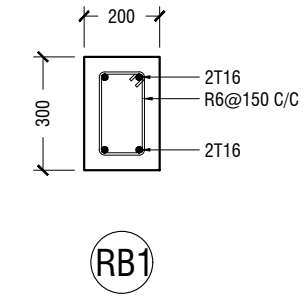
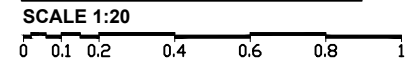
FOOTING DETAILS



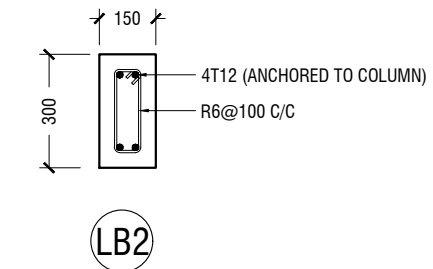
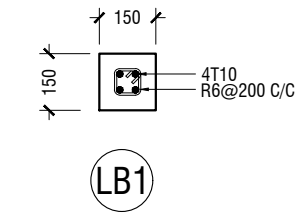
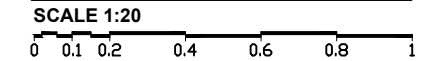
FOUNDATION BEAM DETAILS



COLUMN DETAILS

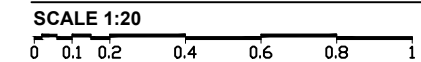


ROOF BEAM DETAIL

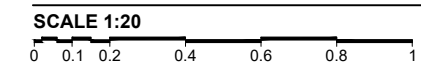


LINTELS OVER ALL DOORS, WINDOWS
(THAT DOES NOT RISE TO ROOF BEAM LEVEL)
LT2 FOR WINDOW (W2) ONLY

LINTEL/SILL BEAM DETAIL



STRUCTURAL DETAILS



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Title: Structural Details

Page: S-06/06

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