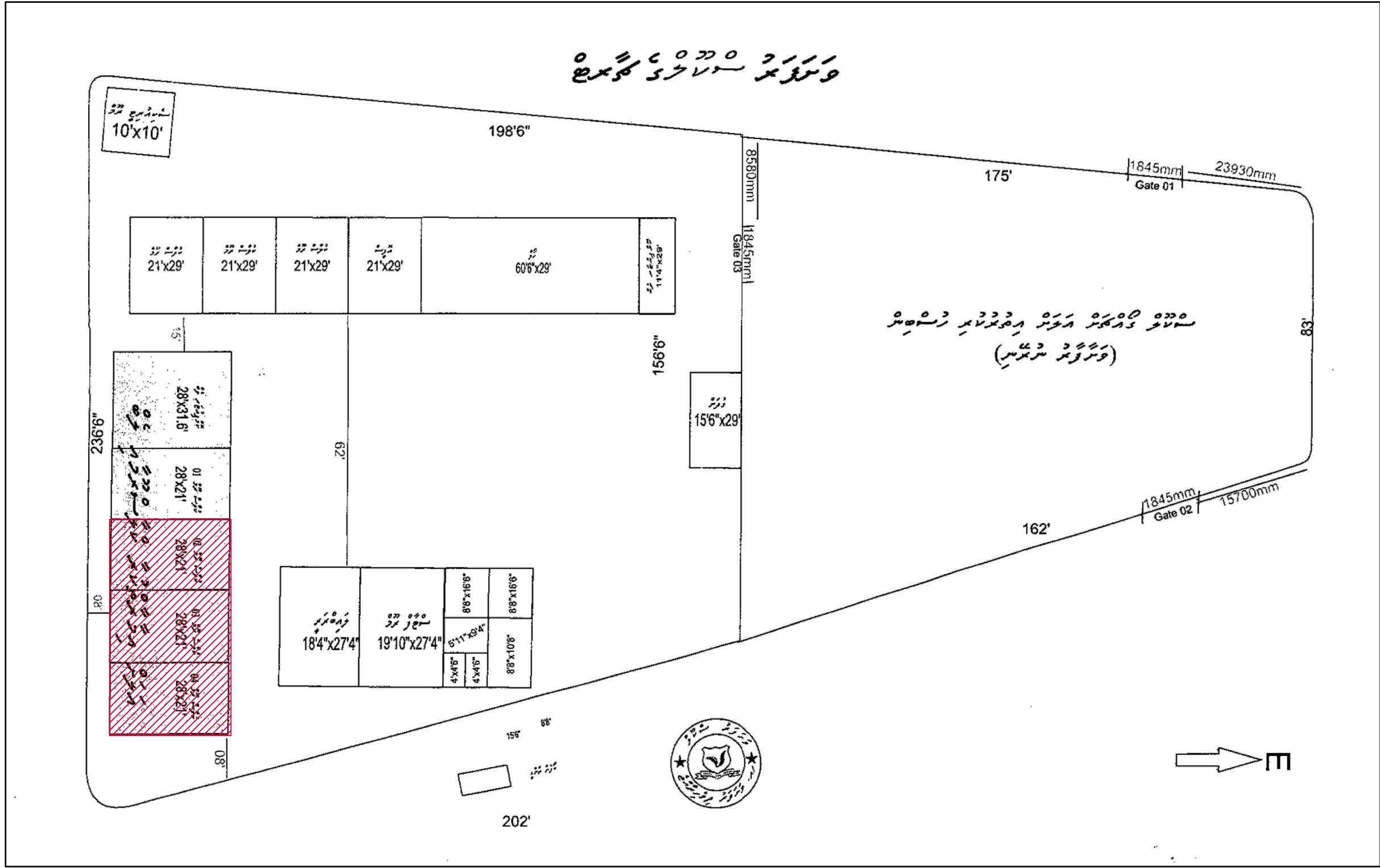


Proposed Single Storey Block at  
Vashafaru School  
Client: Ministry of Education



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



**VASHAFARU SCHOOL SITE PLAN**

SCALE 1:100  
 0 0.5 1 2 3 4 5

Vashafaru School  
 Client: Ministry of Education

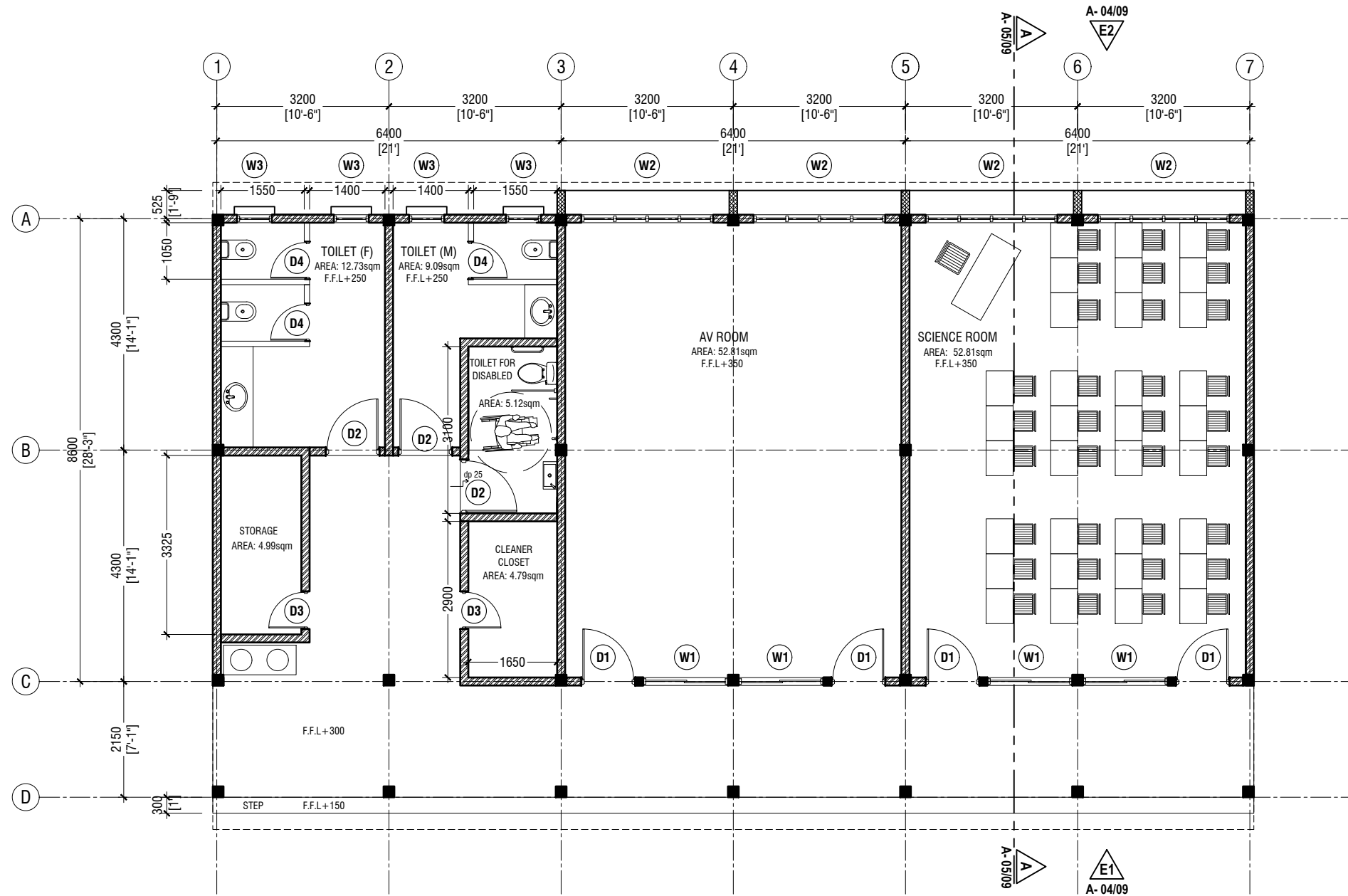
| Rev no | Date |
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Project Number: RI/2017/012  
 Date: February 2018  
 Architect: Razana Amir  
 Engineer: Inshan Waheed  
 Drawn by: Razana Amir  
 Services: Alshahb Ahmed  
 Interior: -



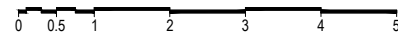
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**GROUND FLOOR PLAN**

SCALE 1:100



**NOTE:**

- PROPOSED 150mm THICK SOLID BLOCK MASONRY WALL WITH 16mm PLASTERING, GROUND SMOOTH IN SELECTED PAINT FINISH
- PROPOSED 150mm THICK RC WALL TO BE WATER PROOFED WITH WATER PROOFING AGENT
- PROPOSED 100mm THICK 2000mm HIGH PARTITION WALL IN SELECTED PAINT FINISH

Vashafaru School  
Client: Ministry of Education

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

| Rev no | Date |
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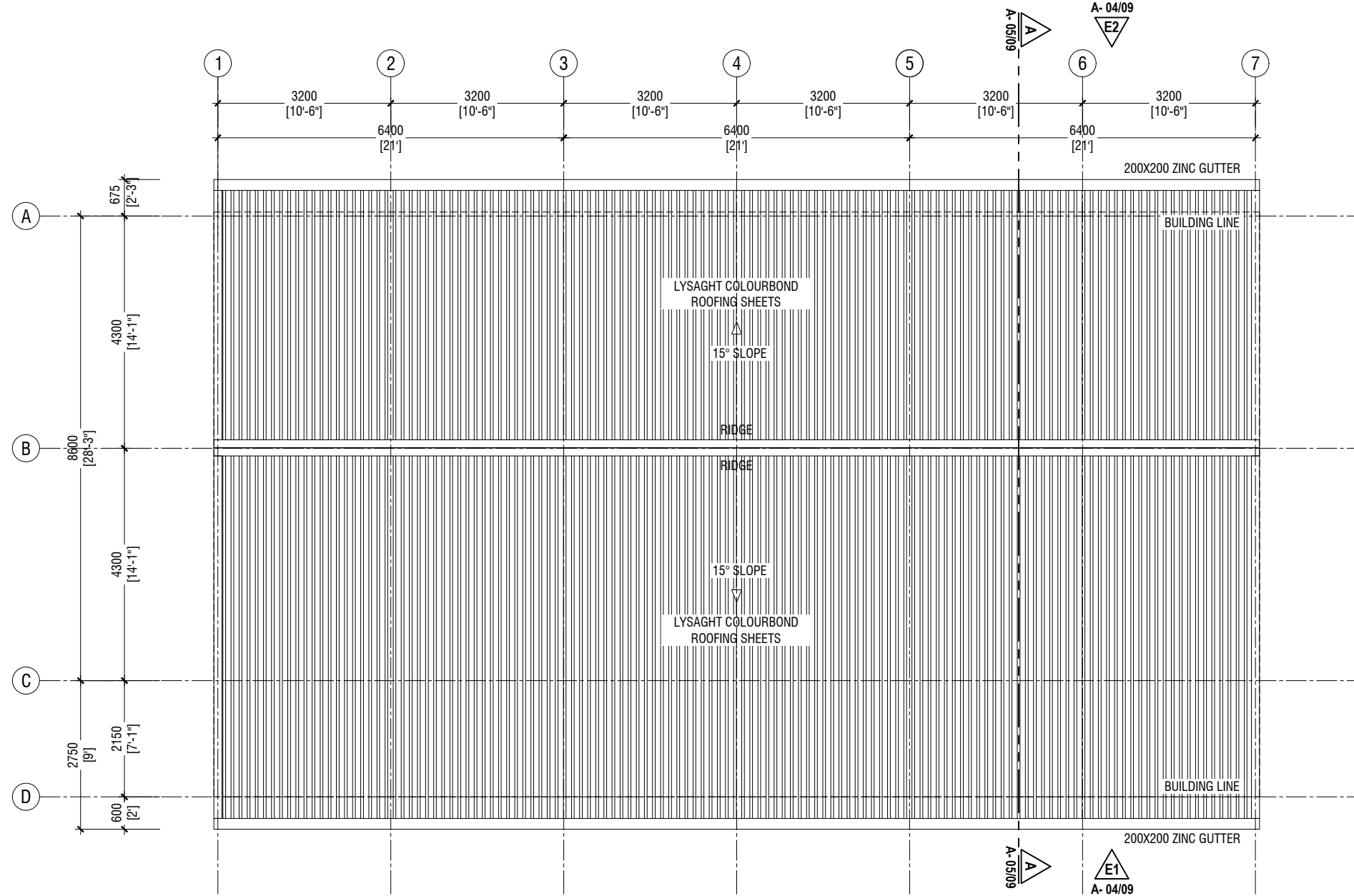


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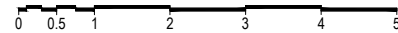
Title: Ground Floor Plan

Page: A-02/10



**ROOF PLAN**

SCALE 1:100



Vashafaru School  
Client: Ministry of Education

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

| Rev no | Date  |
|--------|-------|
| ..     | ..... |
| ..     | ..... |
| ..     | ..... |

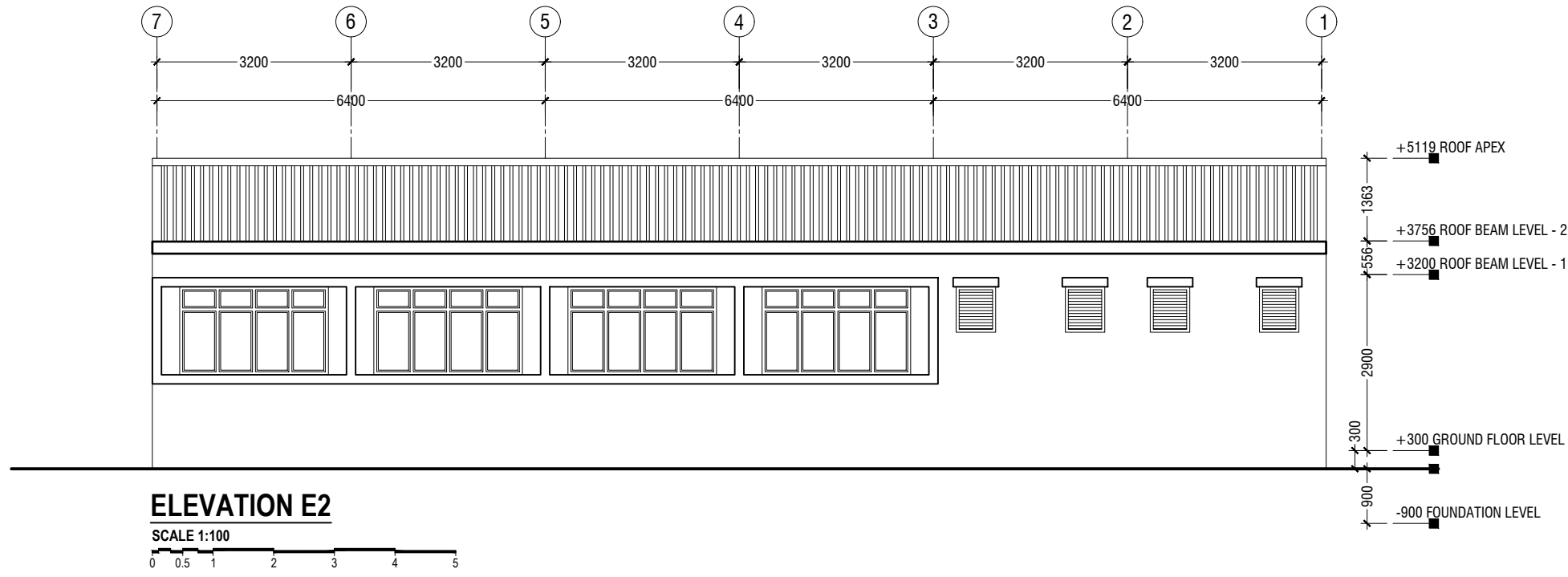
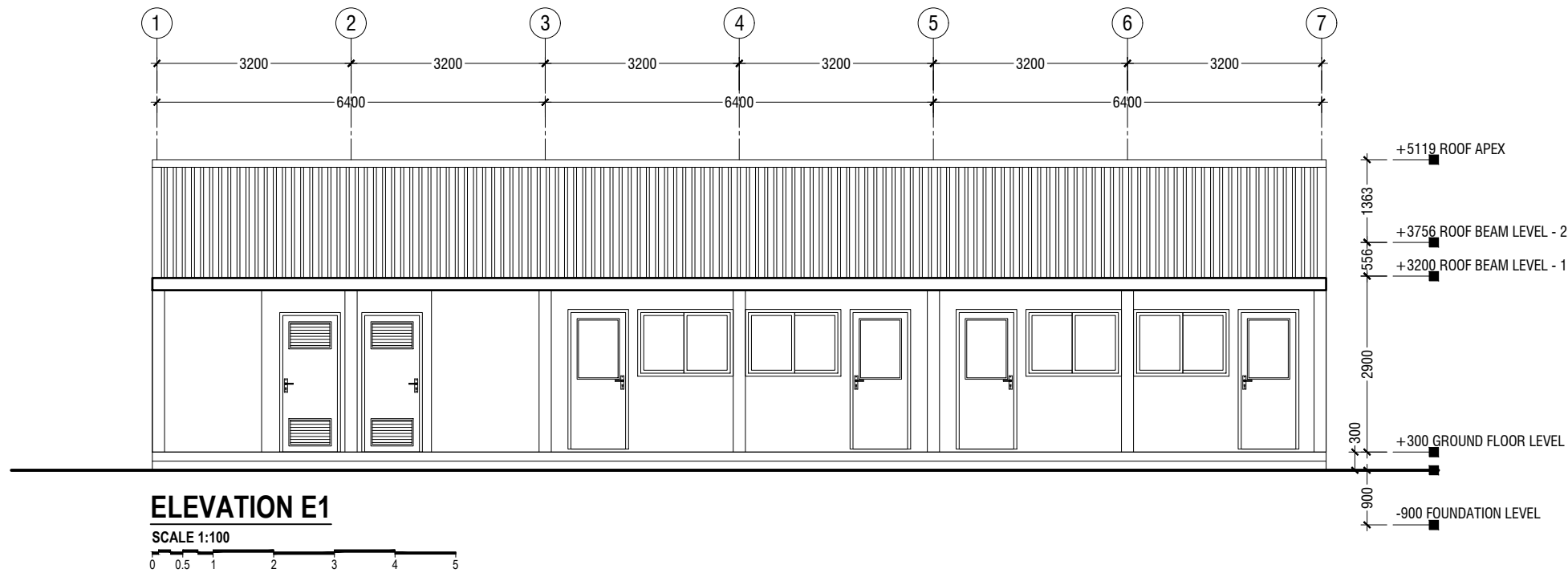


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Title: Roof Plan

Page: A-03/10



Vashafaru School  
Client: Ministry of Education

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Project Number: RI/2017/012  
 Date: February 2018  
 Architect: Razana Amir  
 Engineer: Inshan Waheed  
 Drawn by: Razana Amir  
 Interior: Alishah Ahmed



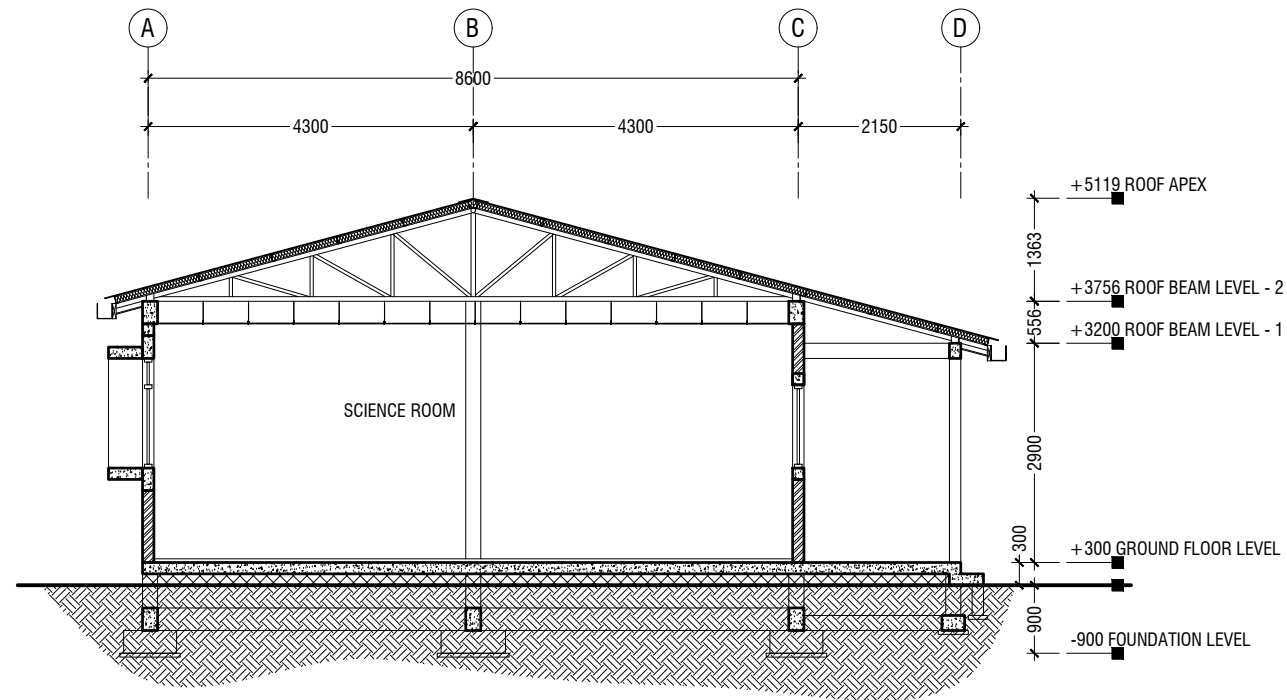
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Title: Elevation E1 & Elevation E2

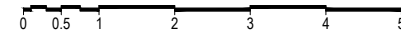
Page: A-04/10

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**SECTION A-A**

SCALE 1:100



**SCHEDULE OF VENTILATION FOR VASHAFARU SCHOOL**

| Room name/ Number     | Room Areas (sqm)<br>( Specify centre to<br>centre or clear) | Window (opening)<br>number | Required<br>opening<br>areas (sqm) | Designed opening<br>areas (sqm) | Open % |
|-----------------------|---|----------------------------|------------------------------------|---------------------------------|--------|
| <b>Ground Floor</b>   |   |                            |                                    |                                 |        |
| 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% |
| 3 Toilet (Female)     | 12.73   | MECHANICAL VENTILATION     |                                    |                                 |        |
| 4 Toilet (Male)       | 9.09  | MECHANICAL VENTILATION     |                                    |                                 |        |
| 5 Toilet for Disabled | 5.12  | MECHANICAL VENTILATION     |                                    |                                 |        |
| 6 Storage             | 4.99  | MECHANICAL VENTILATION     |                                    |                                 |        |
| 7 Cleaner closet      | 4.79  | MECHANICAL VENTILATION     |                                    |                                 |        |

**VENTILATION SCHEDULE**

NOT TO SCALE

Vashafaru School  
Client: Ministry of Education

| Project Number: RI/2017/012 | Date |
|-----------------------------|------|
| Date: February 2018         |      |
| Architect: Razana Amir      |      |
| Engineer: Inshan Waheed     |      |
| Drawn by: Razana Amir       |      |
| Services: Alishah Ahmed     |      |
| Interior: -                 |      |

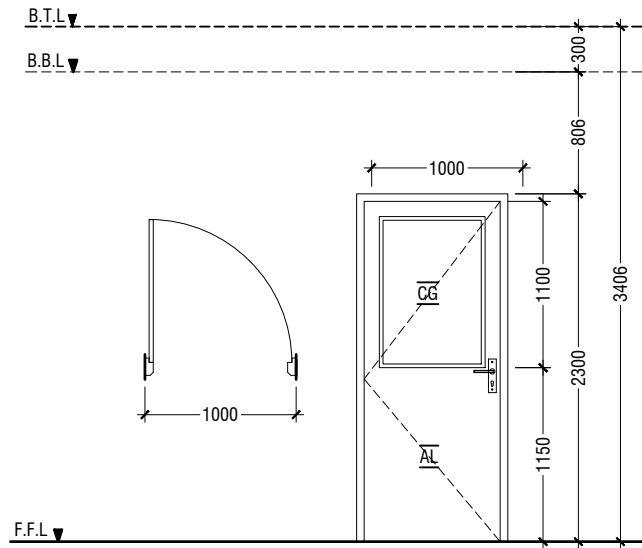


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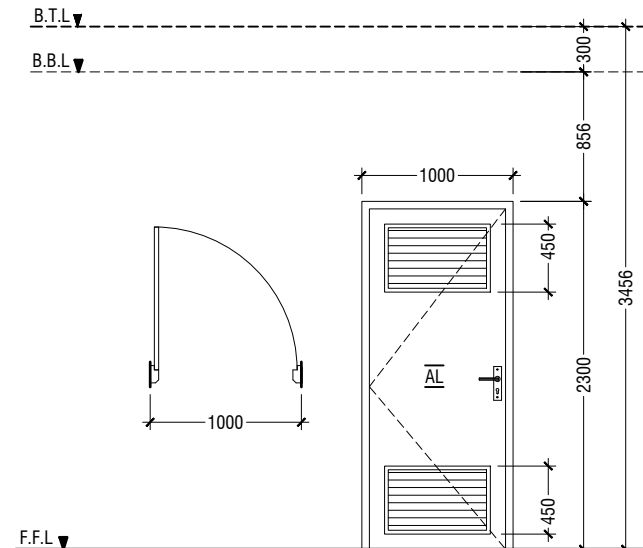
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Title: Section A-A  
Ventilation Schedule

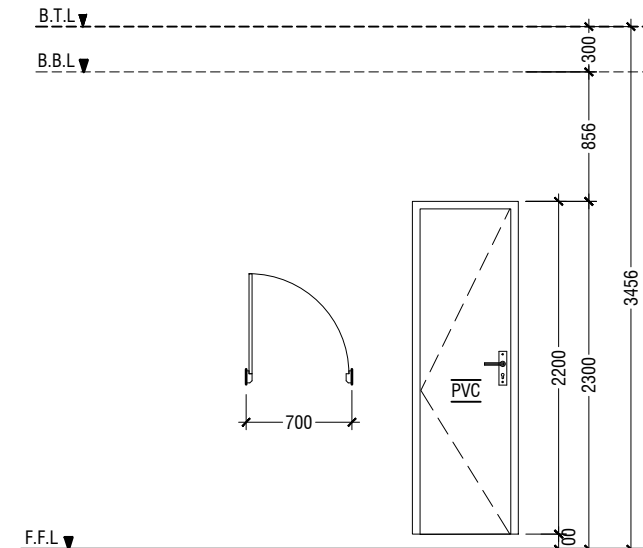
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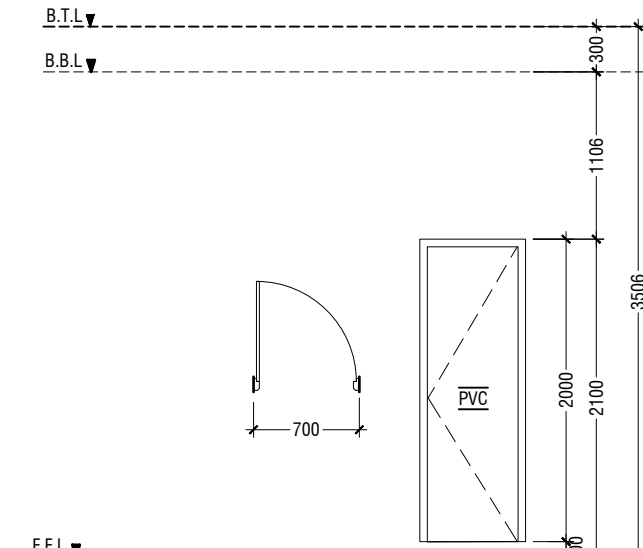
|           |  |
|-----------|--|
| D1        | SWING DOOR   |
| REMARKS   | 50mm THICK POWDER COATED (60 MICRONS) ALUMINUM FRAMED WITH ALUMINIUM PANEL AND CLEAR GLASS |
| LOCATION  | AV ROOM & SCIENCE ROOM   |
| QUANTITY  | 04 NOS   |
| OPEN AREA | 2.03 sqm   |



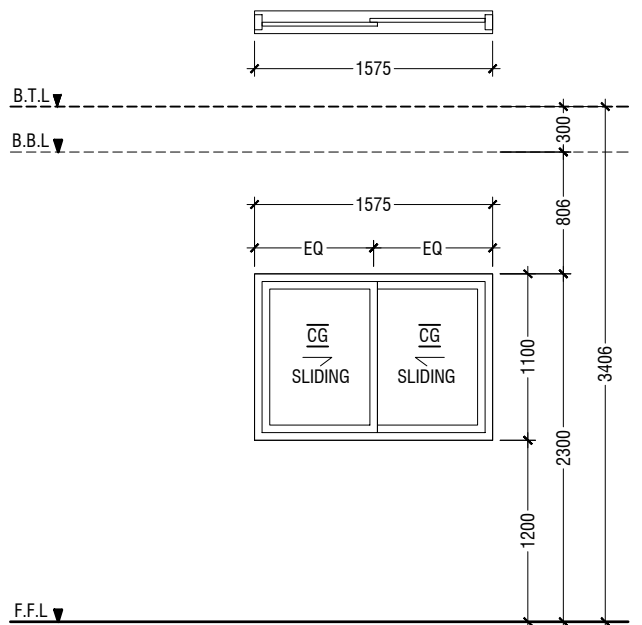
|           |  |
|-----------|--|
| D2        | SWING DOOR WITH ALUMINIUM LOUVERS  |
| REMARKS   | 50mm THICK POWDER COATED (60 MICRONS) ALUMINUM FRAMED WITH ALUMINIUM PANEL AND LOUVERS |
| LOCATION  | TOILETS  |
| QUANTITY  | 03 NOS   |
| OPEN AREA | 2.03 sqm   |



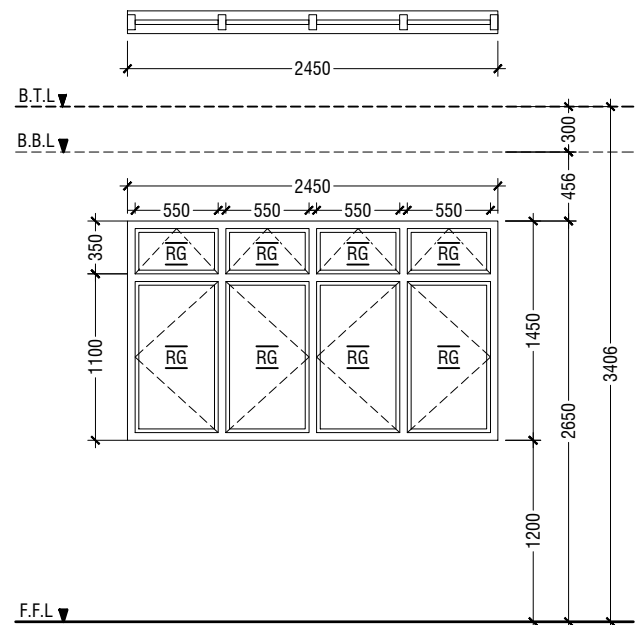
|           |                        |
|-----------|------------------------|
| D3        | PVC SWING DOOR         |
| REMARKS   | PVC FRAME AND PANEL    |
| LOCATION  | STORE & CLEANER CLOSET |
| QUANTITY  | 02 NOS                 |
| OPEN AREA | 1.29 SQM               |



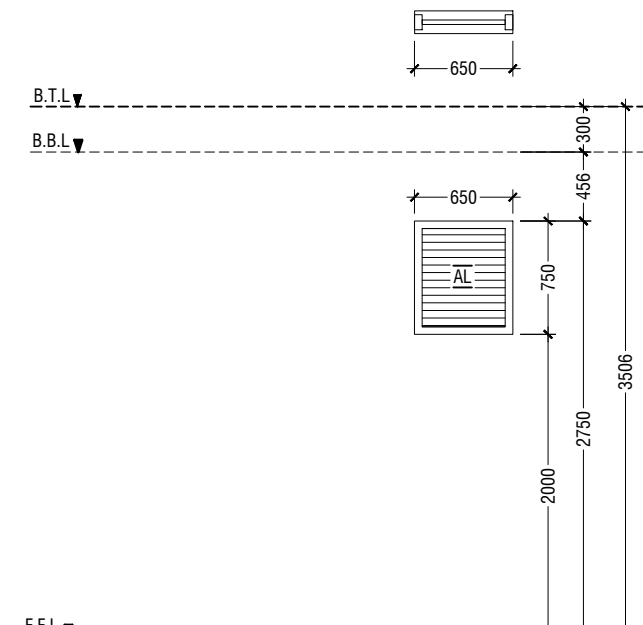
|           |                     |
|-----------|---------------------|
| D4        | PVC SWING DOOR      |
| REMARKS   | PVC FRAME AND PANEL |
| LOCATION  | TOILETS STALLS      |
| QUANTITY  | 03 NOS              |
| OPEN AREA | 1.17 SQM            |



|           |  |
|-----------|--|
| 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   |



|           |   |
|-----------|---|
| W3        | WINDOW WITH ALUMINIUM LOUVERS   |
| REMARKS   | 50mm THICK POWDER COATED (60 MICRONS) ALUMINUM FRAMED WINDOW WITH ALUMINIUM LOUVERS |
| LOCATION  | TOILETS   |
| QUANTITY  | 04 NOS  |
| OPEN AREA | 0.36 SQM  |

**LEGEND:**  
 CG - CLEAR 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

SCALE 1:50  
 0 0.25 0.5 1 1.5 2 2.5

Vashafaru School  
 Client: Ministry of Education

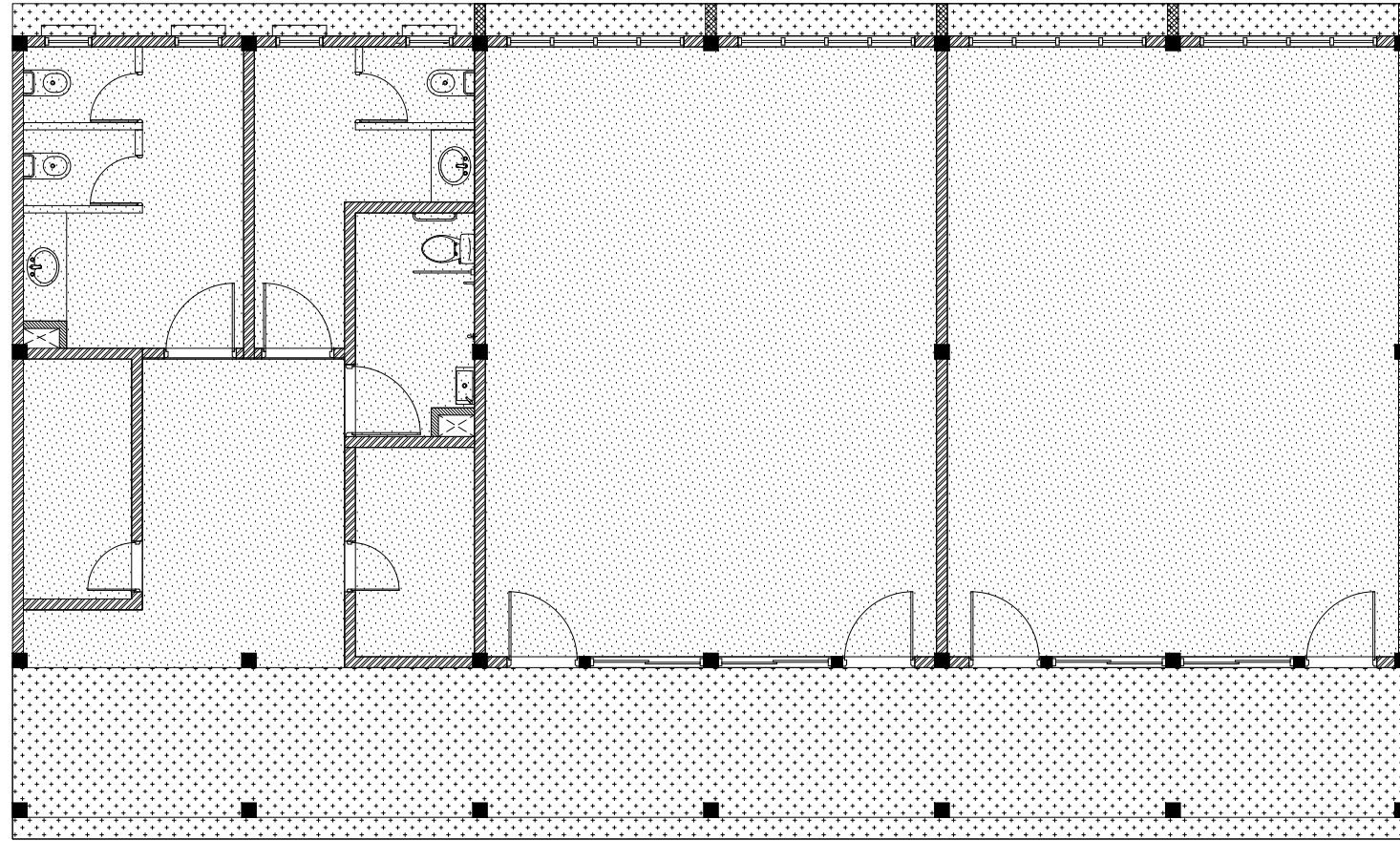
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 Date: February 2018  
 Architect: Razana Amir  
 Engineer: Inshan Waheed  
 Drawn by: Razana Amir  
 Interior: Alishah Ahmed



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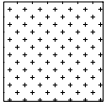
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 w: www.ryan.com.mv  
 3rd floor, H. Azumi, Ammeenemogu, Male'

Title: Door/Window Schedule



**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<br>CEILING HEIGHT : +3106mm |
|  | CEMENT BOARD ON ROOF EAVE/GABLE CEILING  |

Vashafaru School  
 Client: Ministry of Education

Project Number: RI/2017/012  
 Date: February 2018  
 Architect: Razana Amir  
 Engineer: Inshan Waheed  
 Drawn by: Razana Amir  
 Services: Alishah Ahmed  
 Interior: -

| Rev no | Date |
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| -      | -    |



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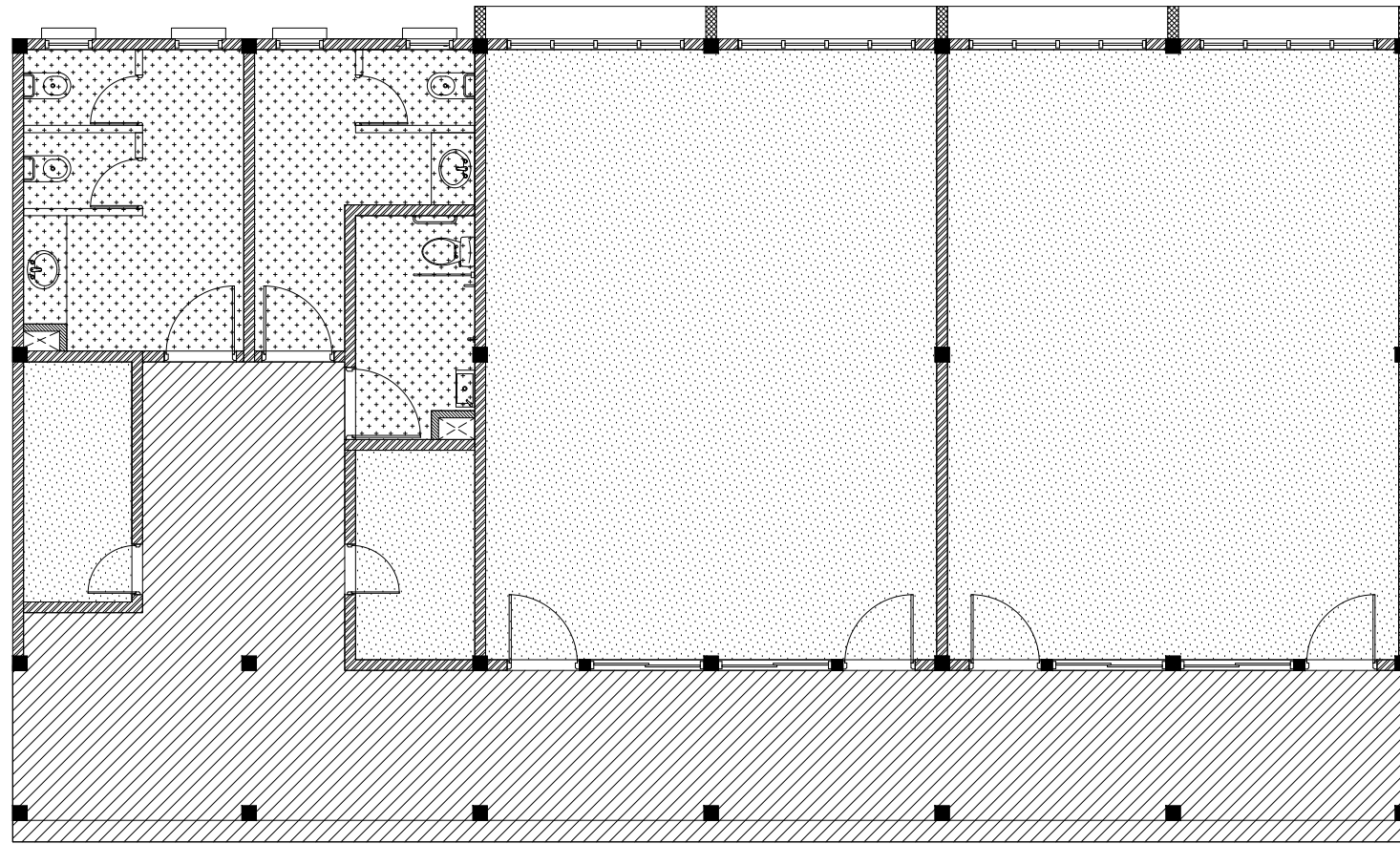
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 3rd floor, H. Azumi, Ameenemoggu, Male'

Title: Reflected Ceiling Plan

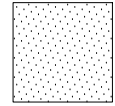
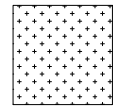
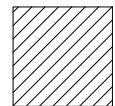
Page: A-07/10

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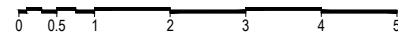


**LEGEND**

| CODE  | DESCRIPTION   |
|---|---|
|  | 600X600mm HOMOGENOUS NON-SLIP TILES OVER 50mm SCREEDING   |
|  | 300X300mm HOMOGENOUS NON-SLIP TILES OVER 50mm SCREEDING   |
|  | SELF LEVELLING CEMENT FLOOR SCREED WITH EPOXY FLOOR PAINT |

**FLOOR FINISHES PLAN**

SCALE 1:100



Vashafaru School  
Client: Ministry of Education

| Rev no | Date |
|--------|------|
| ..     | ..   |
| ..     | ..   |
| ..     | ..   |
| ..     | ..   |

Project Number: R/2017/012  
Date: February 2018  
Architect: Razana Amir  
Engineer: Inshan Waheed  
Drawn by: Razana Amir  
Services: Alishah Ahmed  
Interior: ..



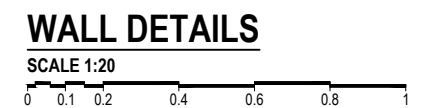
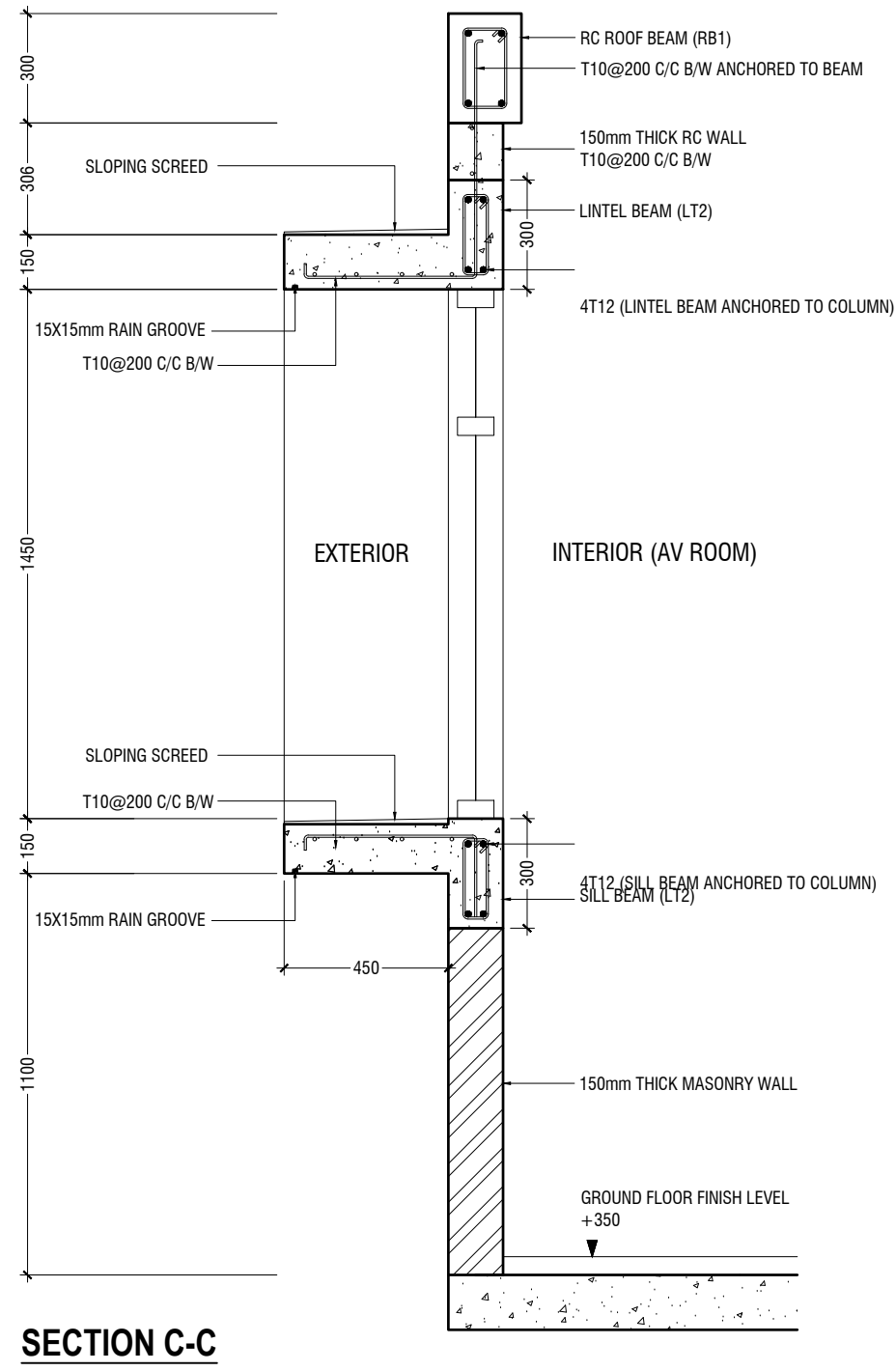
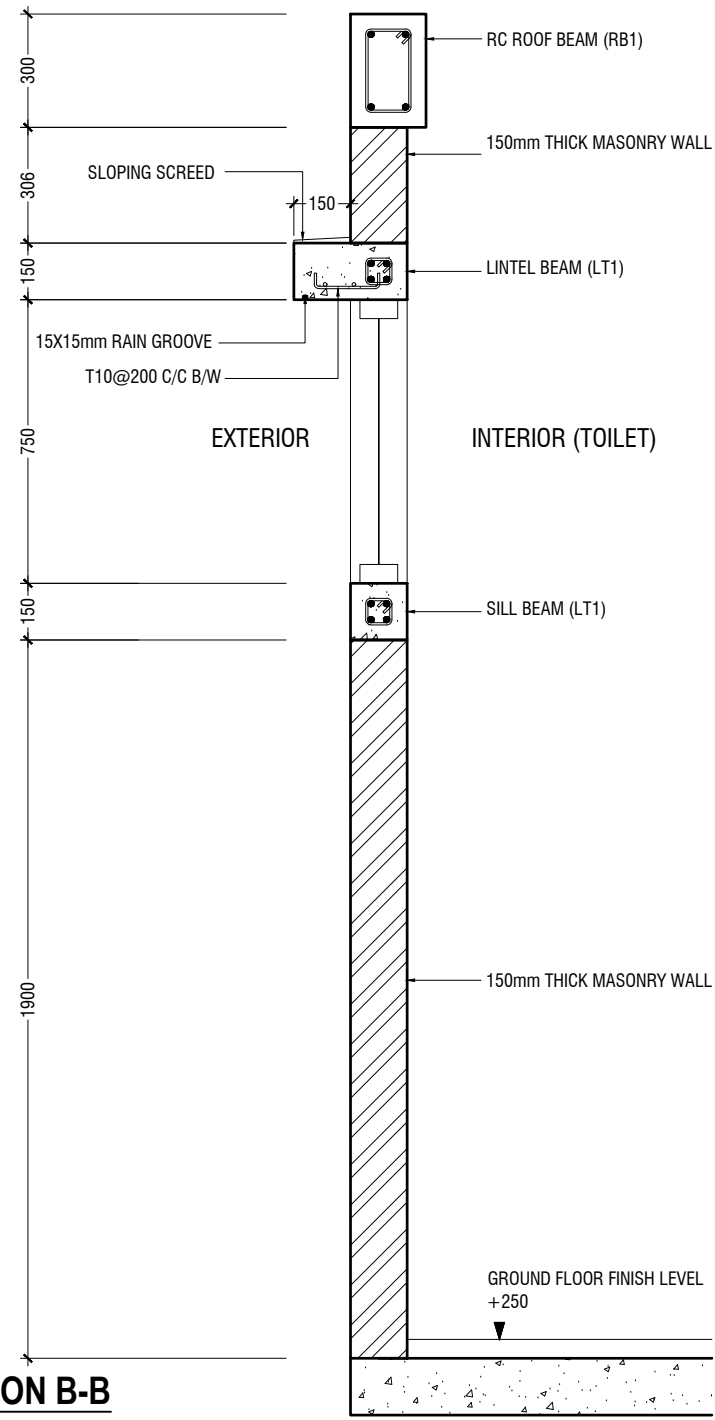
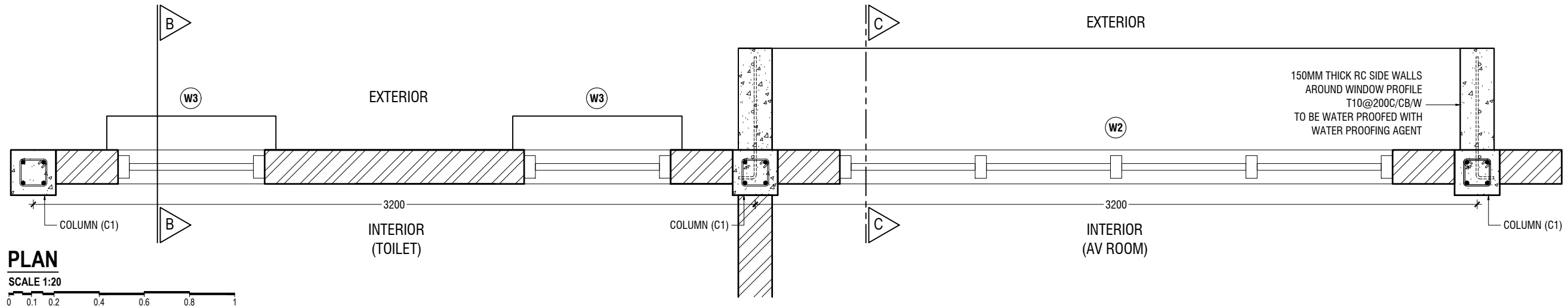
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Title: Floor Finishes Plan

Page: A-08/10

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Vashafaru School  
Client: Ministry of Education

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Project Number: RI/2017/012  
Date: February 2018  
Architect: Razana Amir  
Engineer: Inshan Waheed  
Drawn by: Razana Amir  
Services: Aishah Ahmed  
Interior: -



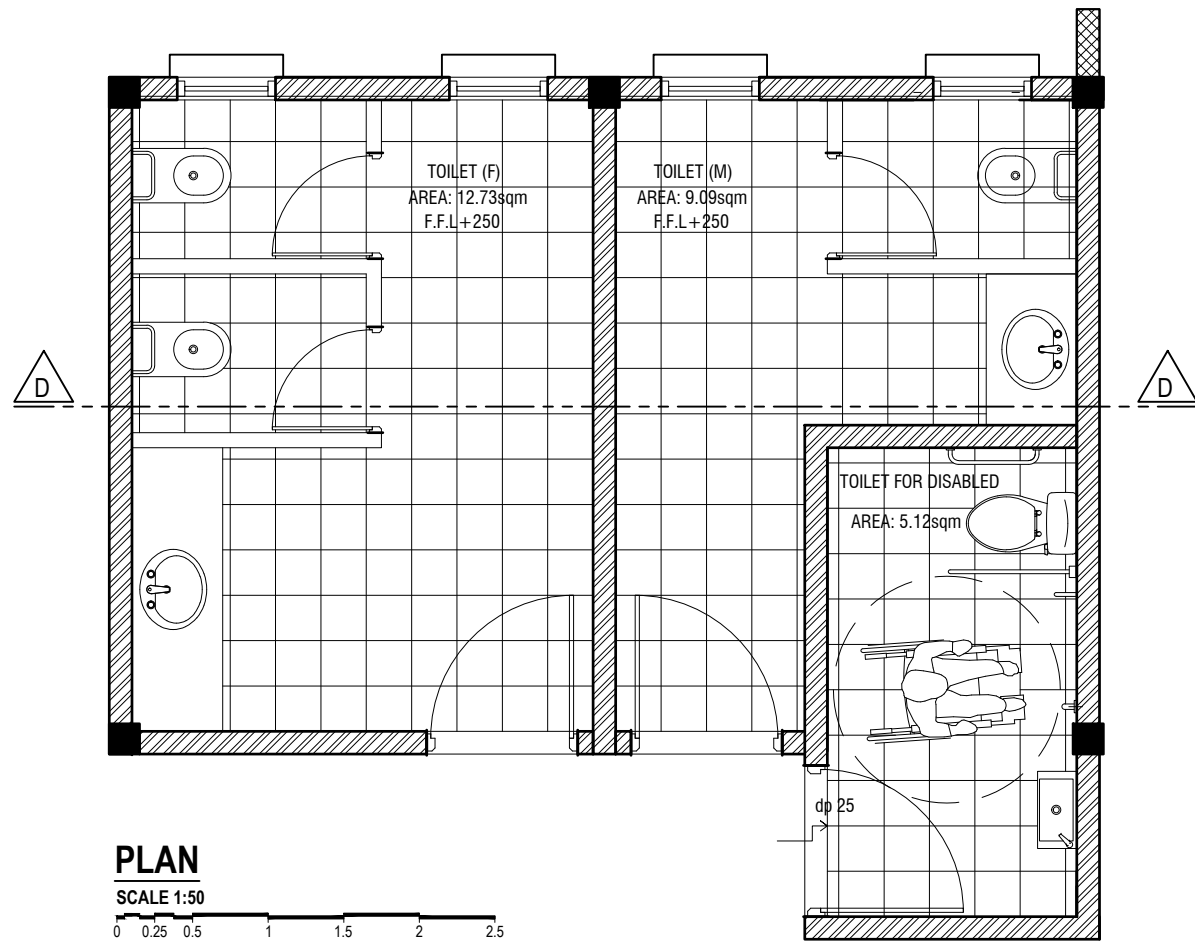
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Title: Wall Details

Page: A-09/10

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**PLAN**

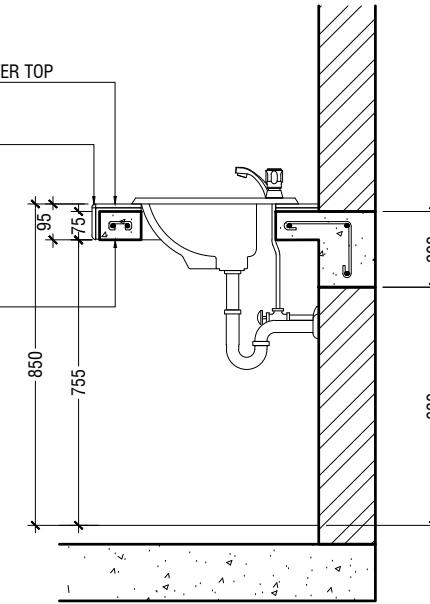
SCALE 1:50



600X600mm HOMOGENOUS TILE COUNTER TOP  
OVER 10mm SCREEDING

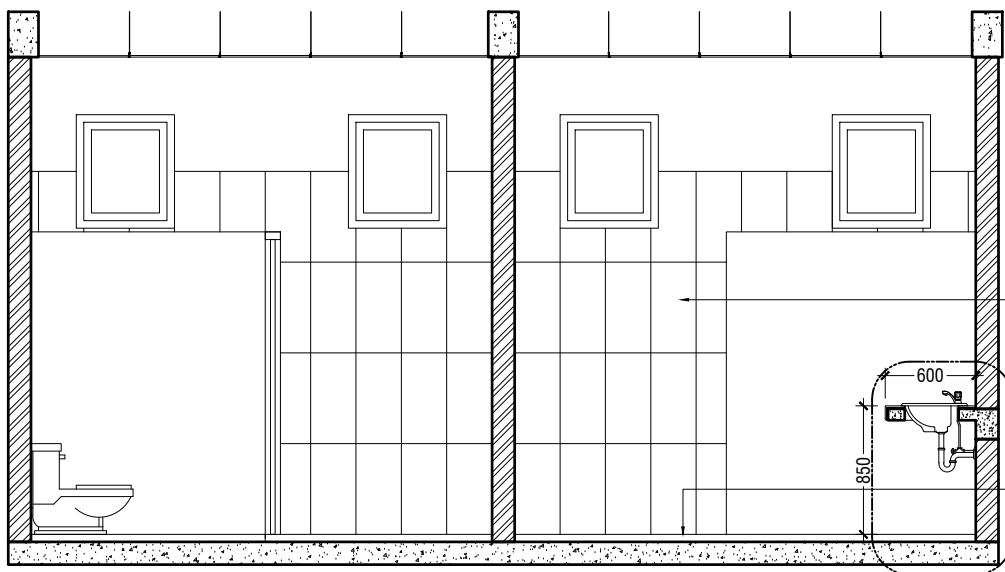
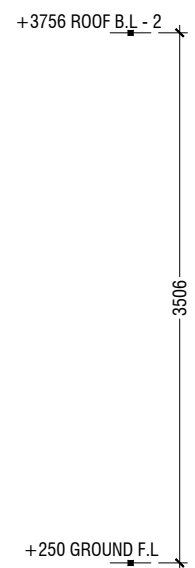
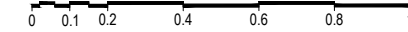
TILE TRIM

75mm THK. RC SLAB WITH  
T10 @ 150 C/C



**COUNTER TOP DETAILS**

SCALE 1:20



300x600mm HOMOGENOUS TILES  
OVER 50mm SCREEDING

REFER TO DETAIL -01

300X300mm HOMOGENOUS NON-SLIP TILES  
OVER 50mm SCREEDING

**SECTION D-D**

SCALE 1:50

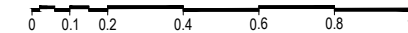


**NOTE:-**

- ALL 2000mm HIGH DRY WALLS TO BE FINISH IN SELECTED PAINT FINISH
- ALL THE MASONRY WALLS IN THE TOILET TO BE TILED WITH 300x600mm HOMOGENOUS TILES.

**TOILET DETAILS**

SCALE 1:20



Vashafaru School  
Client: Ministry of Education

| Rev no | Date |
|--------|------|
| 1      |      |
| 2      |      |
| 3      |      |
| 4      |      |
| 5      |      |

Project Number: R/2017/012  
Date: February 2018  
Architect: Razana Amir  
Engineer: Inshan Waheed  
Drawn by: Razana Amir  
Services: Aishath Ahmed  
Interior:-



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

Title: Toilet Details

Page: A-10/10

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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

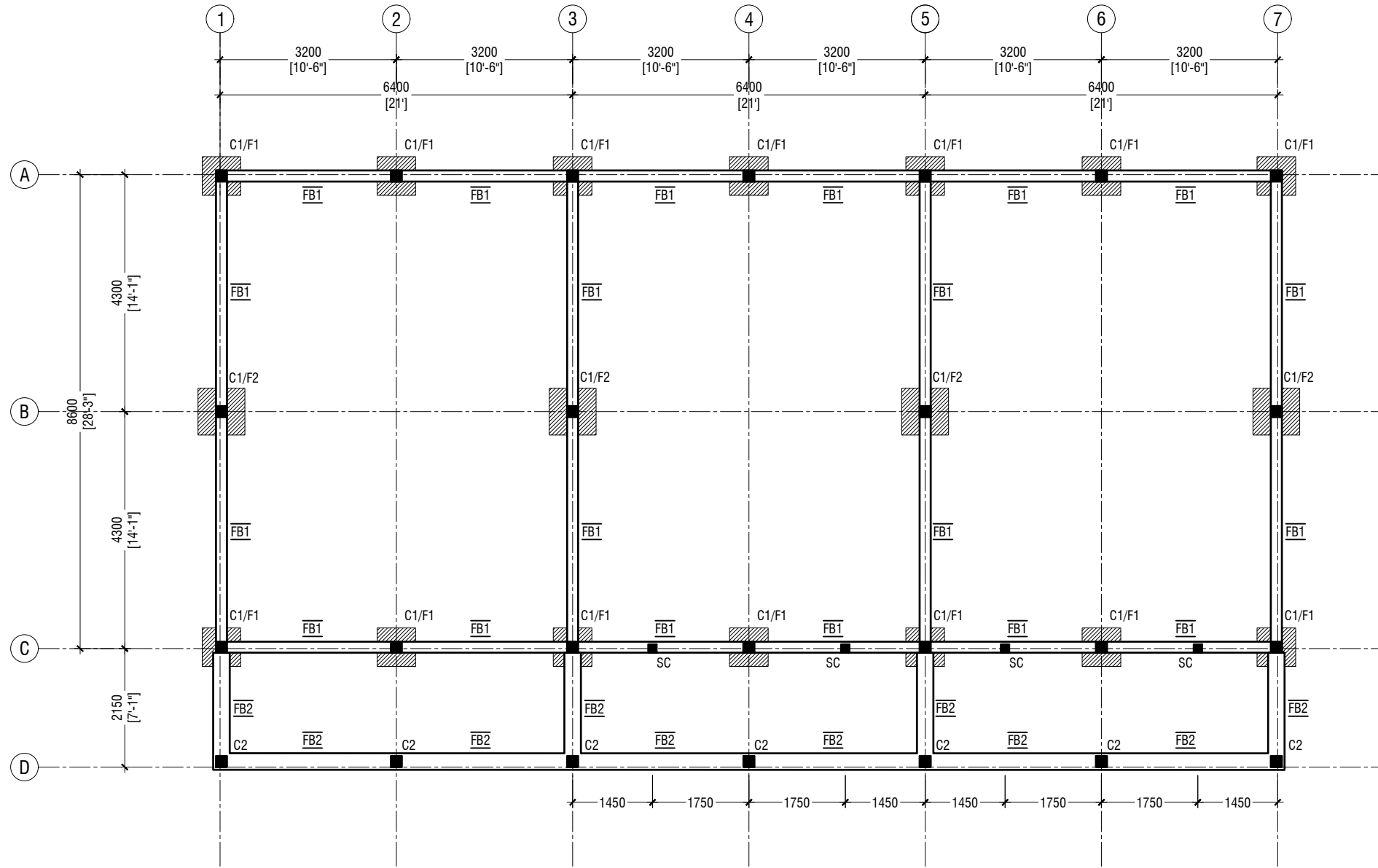
ALL FOOTINGS ARE TO BE LAID ON TOP OF 50mm THICK LEAN CONCRETE  
 APPLY WATER PROOFING TO SUBSTRUCTURE (BELOW GROUND ELEMENTS)

**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 )



**FOUNDATION PLAN**

SCALE 1:100



Vashafaru School  
 Client: Ministry of Education

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

Rev no

Date



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Title: Foundation Plan

Page: S-01/06

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**NOTE:**

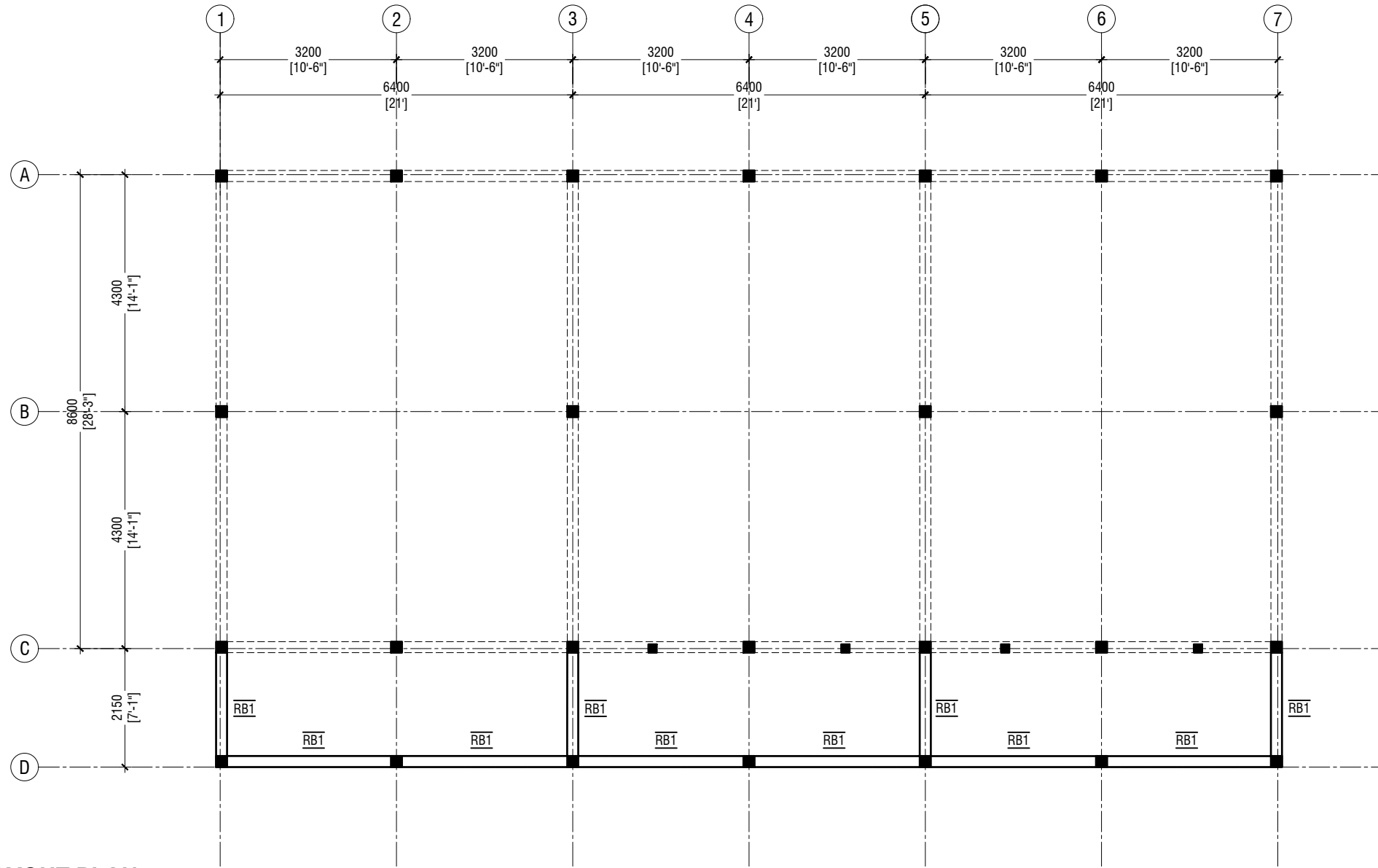
**COLUMN SIZES**

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



Vashafaru School  
 Client: Ministry of Education

|                             |      |
|-----------------------------|------|
| Project Number: RI/2017/012 | Date |
| Date: February 2018         |      |
| Architect: Razana Amir      |      |
| Engineer: Insan Waleed      |      |
| Drawn by: Razana Amir       |      |
| Services: Alishah Ahmed     |      |
| Interior:                   |      |
| Rev no                      |      |
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|                             |      |

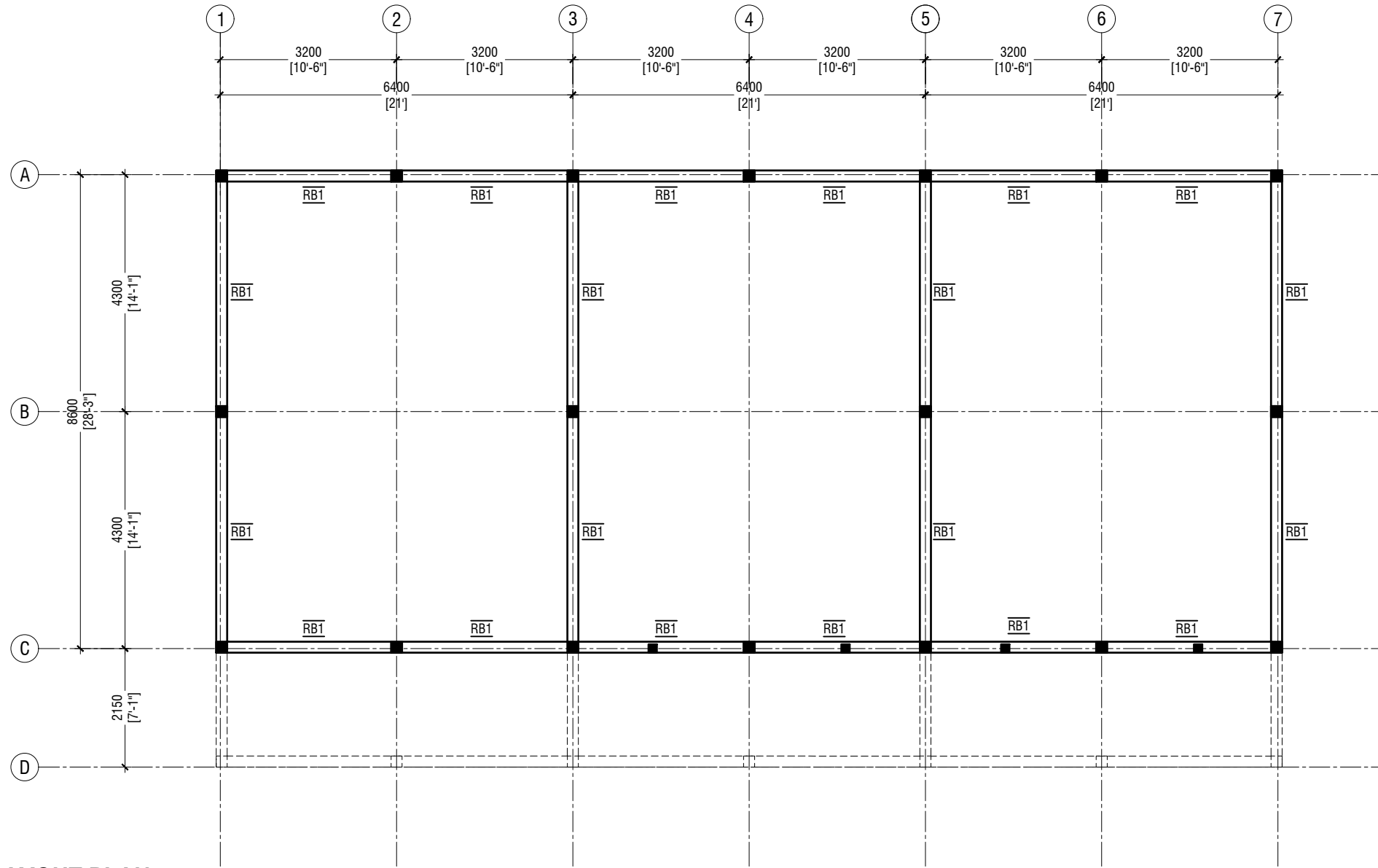


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Title: Roof Beam - 1  
 Layout Plan

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



Vashafaru School  
Client: Ministry of Education

| Rev no | Date |
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Project Number: RI/2017/012  
Date: February 2018  
Architect: Razana Amir  
Engineer: Inshan Waheed  
Drawn by: Razana Amir  
Services: Aishath Ahmed  
Interior: -



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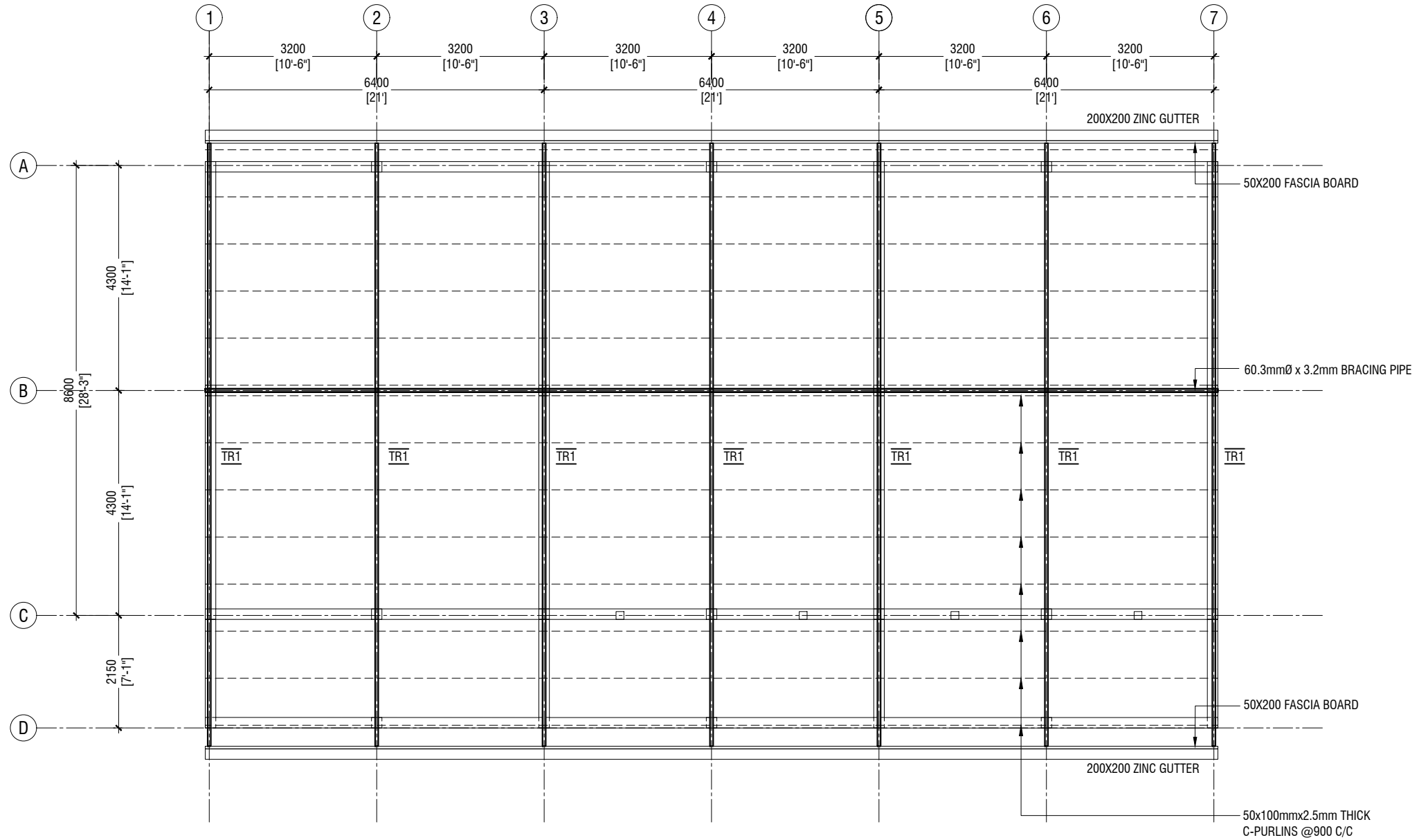
Title: Roof Beam - 2  
Layout Plan

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# ROOF PLAN

SCALE 1:100



Vashafaru School  
Client: Ministry of Education

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

| Rev no | Date |
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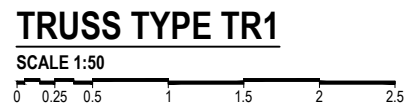
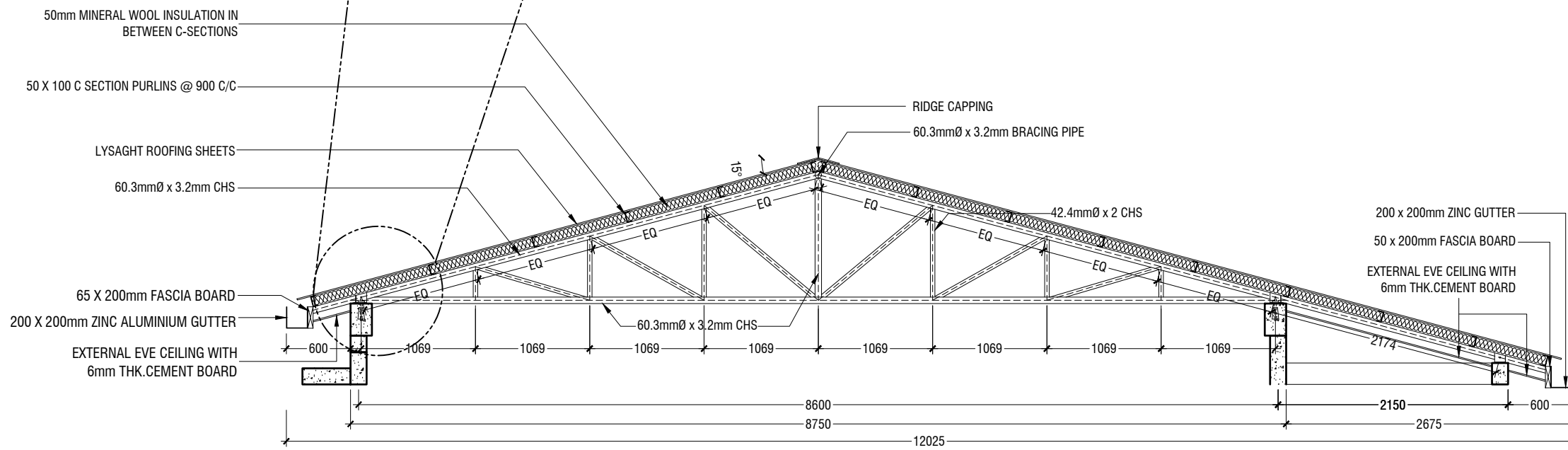
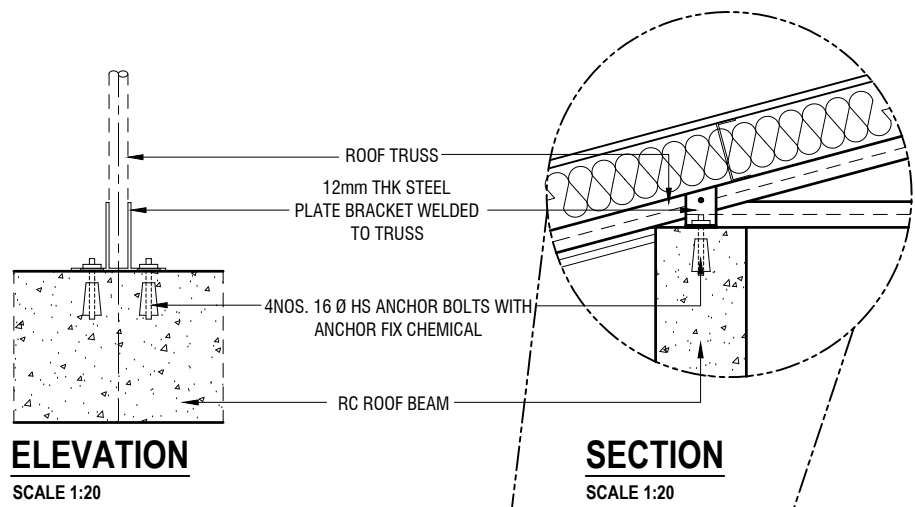
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Title: Roof Plan

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Vashafaru School  
Client: Ministry of Education

Project Number: RI/2017/012  
Date: February 2018  
Architect: Razana Amir  
Engineer: Insan Waleed  
Drawn by: Razana Amir  
Services: Alshath Ahmed  
Interior: -

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Title: Truss (TR1) Detail

Page: S-05/06

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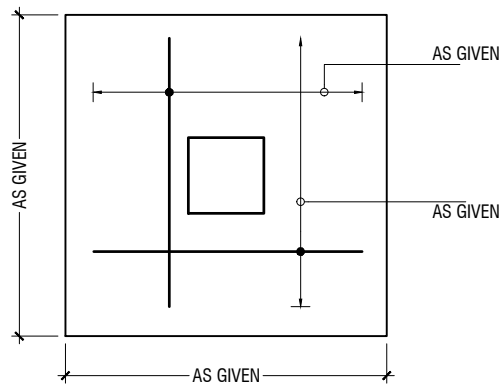
|    | DIMENSION       | REINFORCEMENT       |
|----|-----------------|---------------------|
| F1 | 700 x 700 x 300 | T10@100 C/C B/W (B) |
| F2 | 850 x 850 x 300 | T10@100 C/C B/W (B) |

FOUNDATION DEPTH = 900mm

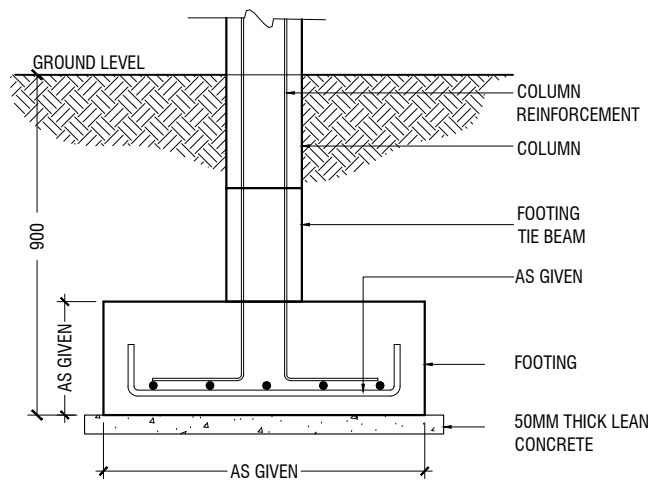
NOTE:-  
COVER TO FOUNDATION = 50mm  
COVER TO COLUMNS = 35-40mm  
COVER TO BEAMS = 35mm

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

## FOUNDATION PADS



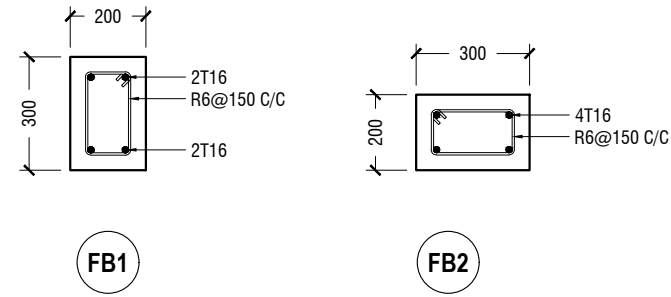
## PLAN



## SECTION

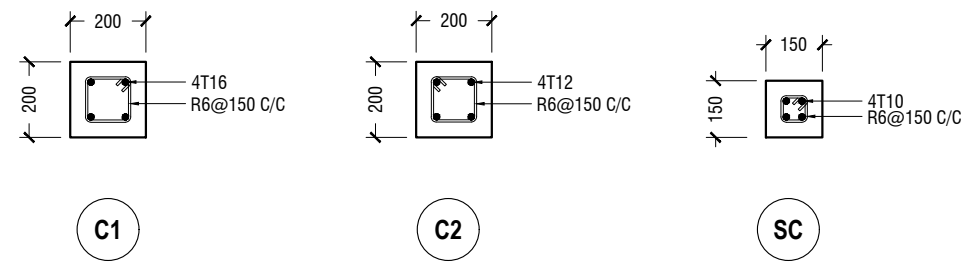
## FOOTING DETAILS

SCALE 1:20



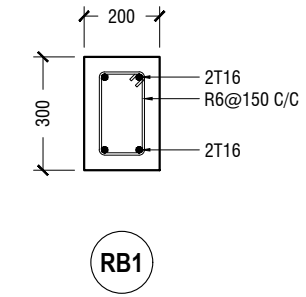
## FOUNDATION BEAM DETAILS

SCALE 1:20



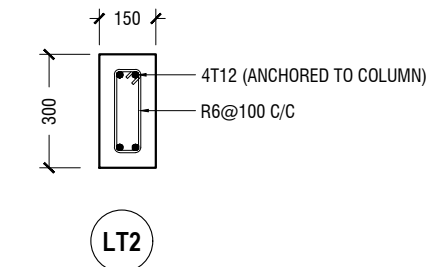
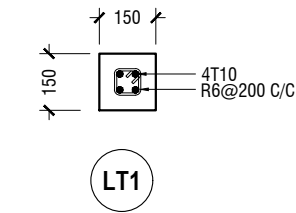
## COLUMN DETAILS

SCALE 1:20



## ROOF BEAM DETAIL

SCALE 1:20



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

## STRUCTURAL DETAILS

SCALE 1:20

Vashafaru School  
Client: Ministry of Education

| Rev no | Date |
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Project Number: RI/2017/012  
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Interior: Aishath Ahmed



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Title: Structural Details

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