

Proposed Multipurpose Hall, 8 Classroom Building at  
Aa.Ukulhas School

*ARCHITECTURAL & STRUCTURAL DRAWINGS*

Client: Ministry of Education



RIYAN PRIVATE LIMITED

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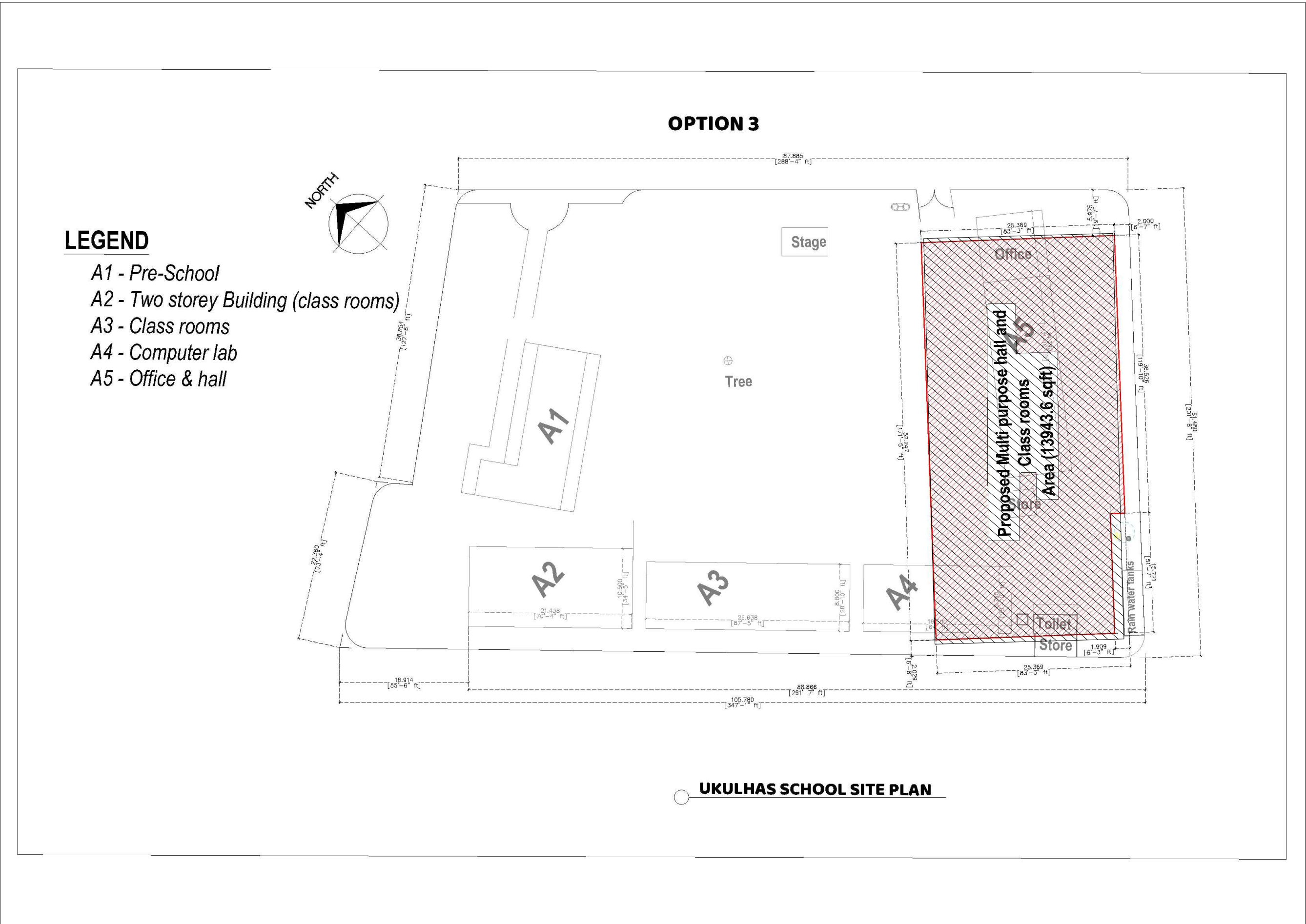
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3rd floor, H. Azum, Ameenemagu, Male'

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**NOTE:**

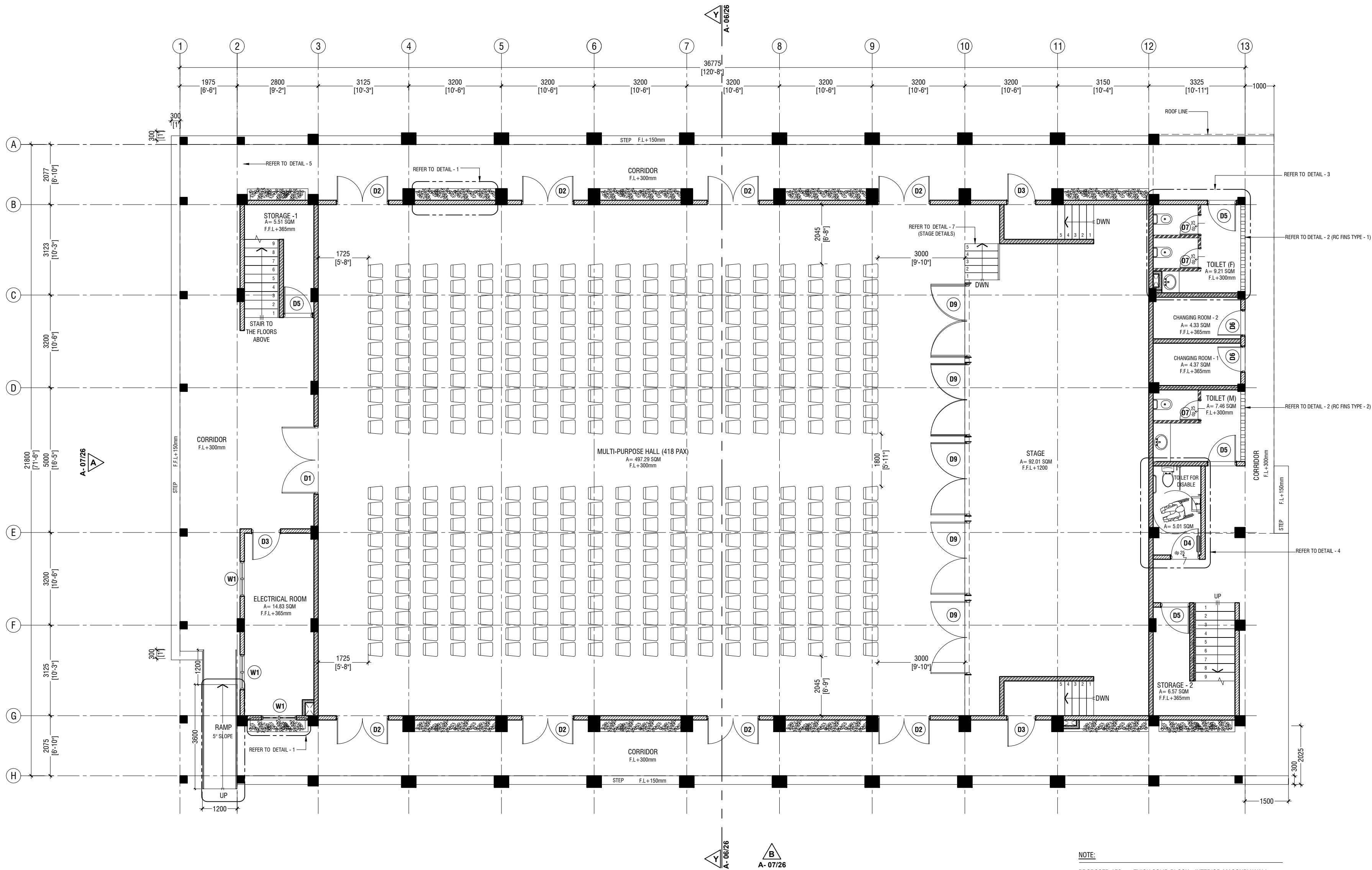
PROPOSED BUILDING LOCATION

- TREES AND EXISTING BUILDING AT THE EXISTING SITE NEED TO BE DEMOLISHED AS PER THE SCHOOL. (TO BE CONFIRMED ON SITE)

**SITE PLAN**

SCALE 1:100





**GROUND FLOOR PLAN**  
SCALE 1:100



- NOTE:**
- PROPOSED 150mm THICK SOLID BLOCK - INTERIOR MASONRY WALL WITH 16mm PLASTERING, GROUND SMOOTH IN SELECTED PAINT FINISH
  - PROPOSED 150mm THICK SOLID BLOCK - EXTERIOR MASONRY WALL WITH 20mm PLASTERING, GROUND SMOOTH IN SELECTED PAINT FINISH
  - PROPOSED 100mm THICK SOLID BLOCK - INTERIOR 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
- T - FL : FLOOR LEVEL  
- FFL: FLOOR FINISH LEVEL ( SCREEDING INCORPORATED IN THE VALUES)  
- REFER TO DOOR/WINDOW SCHEDULE, TO IDENTIFY THE AREAS - THAT HAVE LEDGE BELOW THE DOORS.  
- REFER TO THE FLOOR FINISHES PLAN TO IDENTIFY THE LEVEL DIFFERENCES WHEN SCREEDING IS INCORPORATED.  
- PROVIDE A DROP AT THE AREAS MARKED.  
- REFER TO ARCHITECT FOR FURTHER ASSISTANCE.

**Aa Ukulhas School Multipurpose Hall & 8 Classroom**  
**Client: Ministry of Education**

Project Number: R/2020/006  
Architect: Fahimath Leena Jaleel  
Engineer: Mohamed Muthalib Waleed  
Drawn by: Fahimath Leena Jaleel  
Services: Aashraf Ahmed Interior

Rev no	Date
1	
2	
3	

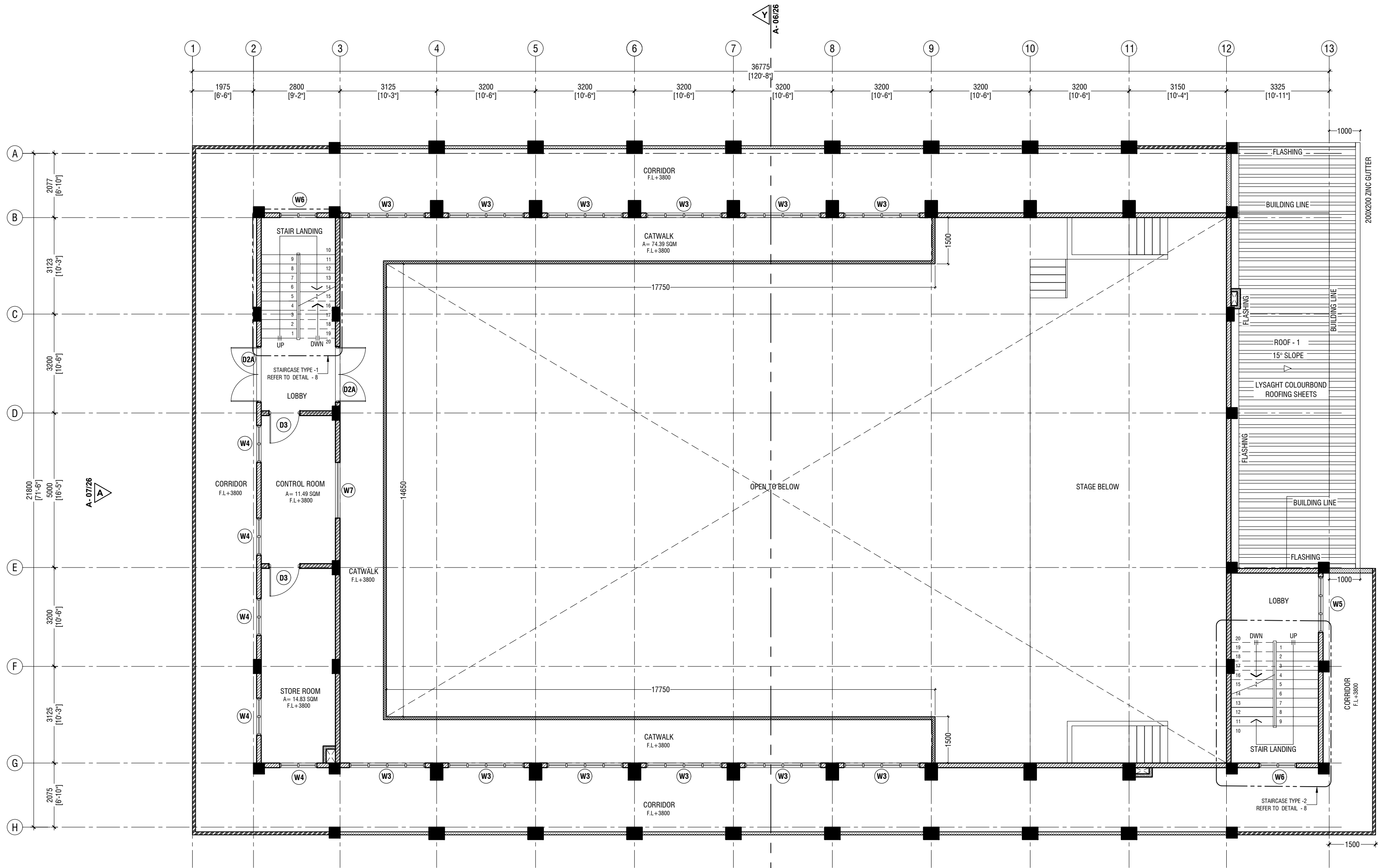


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3rd floor, H. Azam, Ammeenmogu, Malé

Title: Ground Floor Plan

Page: A-02/27

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**FIRST FLOOR PLAN**

SCALE 1:100



**NOTE:**

- PROPOSED 150mm THICK SOLID BLOCK - INTERIOR MASONRY WALL WITH 16mm PLASTERING, GROUND SMOOTH IN SELECTED PAINT FINISH
- PROPOSED 150mm THICK SOLID BLOCK - EXTERIOR MASONRY WALL WITH 20mm PLASTERING, GROUND SMOOTH IN SELECTED PAINT FINISH
- PROPOSED 100mm THICK, 1200mm HIGH SOLID BLOCK - INTERIOR RC WALL WITH 16mm PLASTERING, GROUND SMOOTH IN SELECTED PAINT FINISH
- PROPOSED 100mm THICK, 1200mm HIGH SOLID BLOCK - EXTERIOR RC WALL WITH 20mm PLASTERING, GROUND SMOOTH IN SELECTED PAINT FINISH
- PROPOSED 100mm THICK SOLID BLOCK - INTERIOR MASONRY WALL WITH 16mm PLASTERING, GROUND SMOOTH IN SELECTED PAINT FINISH

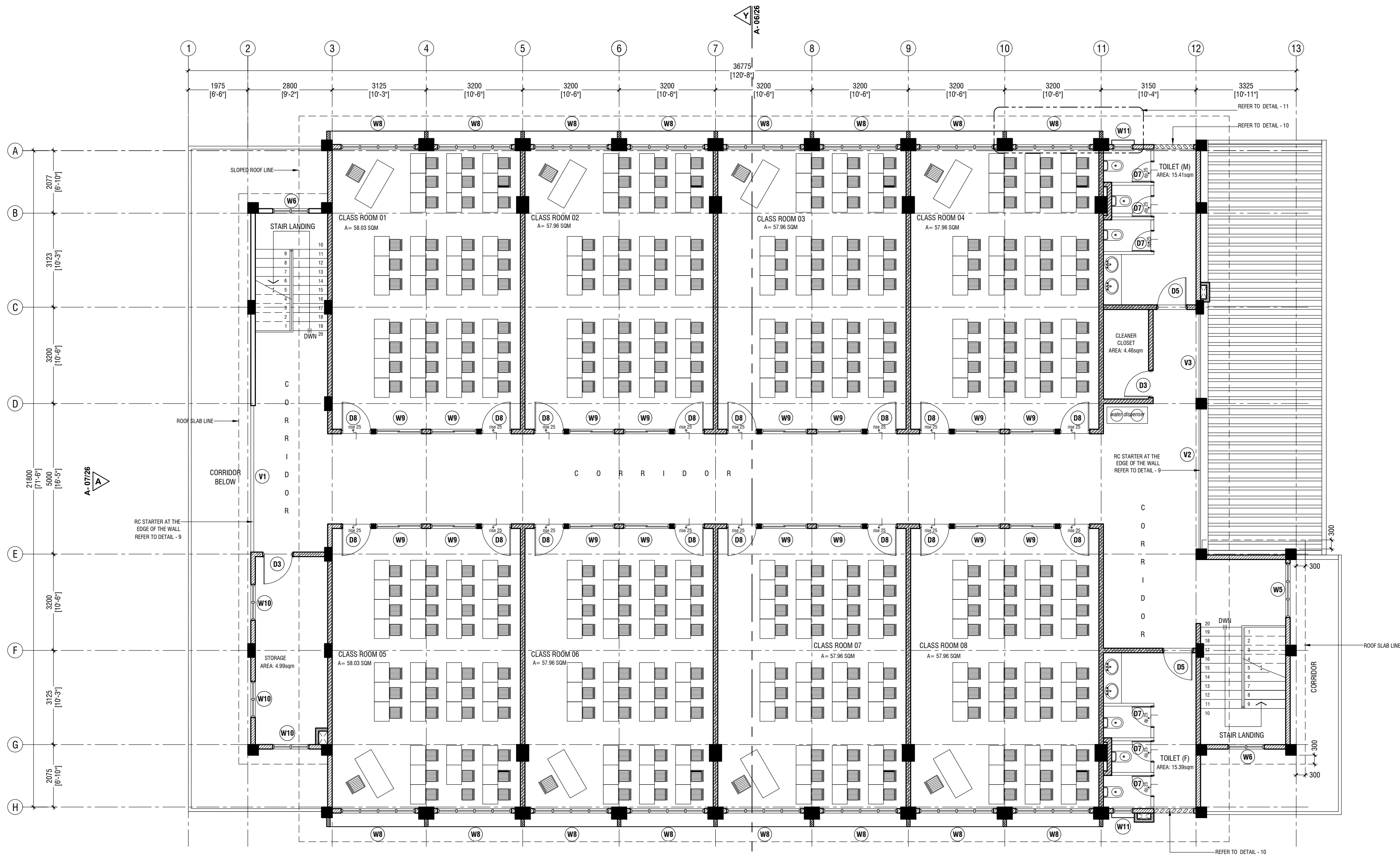
THE SCREEDING AND TILES ARE INCORPORATED IN THE FLOOR FINISH LEVELS

REFER TO ARCHITECT FOR FURTHER ASSISTANCE.

**NOTE:**

- ROOF - 1 SLOPE : 15° SLOPE
- ROOF - 1 MATERIAL : LYSAGHT COLOURBOND ROOFING SHEETS
- PROPOSED 150mm THICK, 1200mm HIGH SOLID BLOCK - EXTERIOR MASONRY WALL WITH 20mm PLASTERING, GROUND SMOOTH IN SELECTED PAINT FINISH





## SECOND FLOOR PLAN

SCALE 1:100



### NOTE:

- PROPOSED 150mm THICK SOLID BLOCK - INTERIOR MASONRY WALL WITH 16mm PLASTERING, GROUND SMOOTH IN SELECTED PAINT FINISH
- PROPOSED 150mm THICK SOLID BLOCK - EXTERIOR MASONRY WALL WITH 20mm PLASTERING, GROUND SMOOTH IN SELECTED PAINT FINISH
- PROPOSED 100mm THICK, 1200mm HIGH SOLID BLOCK - INTERIOR RC WALL WITH 16mm PLASTERING, GROUND SMOOTH IN SELECTED PAINT FINISH
- PROPOSED 100mm THICK, 1200mm HIGH SOLID BLOCK - EXTERIOR RC WALL WITH 20mm PLASTERING, GROUND SMOOTH IN SELECTED PAINT FINISH
- PROPOSED 100mm THICK SOLID BLOCK - INTERIOR MASONRY WALL WITH 16mm PLASTERING, GROUND SMOOTH IN SELECTED PAINT FINISH

THE SCREEDING AND TILES ARE INCORPORATED IN THE FLOOR FINISH LEVELS

REFER TO ARCHITECT FOR FURTHER ASSISTANCE.

Aa Kulhas School Multipurpose Hall & 8 Classroom

Client: Ministry of Education

Project Number: R/2020/006  
Architect: Fahimath Leena Jaleel  
Engineer: Mohamed Muthalib Waleed  
Drawn by: Fahimath Leena Jaleel  
Services: Architectural



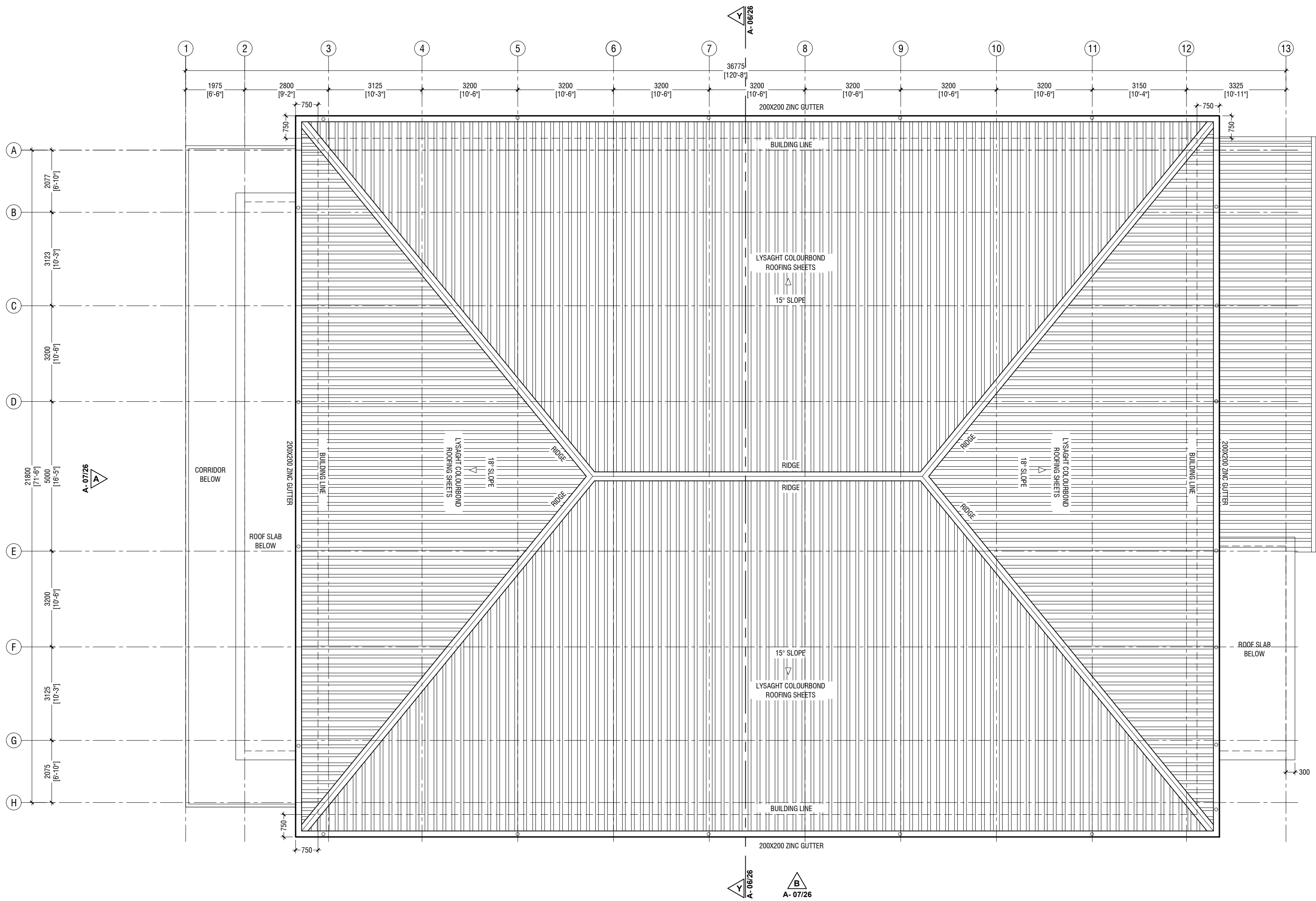
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3rd floor, H. Azam, Amnennemogau, Moka

Title: Second Floor Plan

Page: A-04/27

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ROOF PLAN - 2

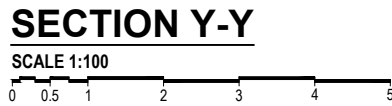
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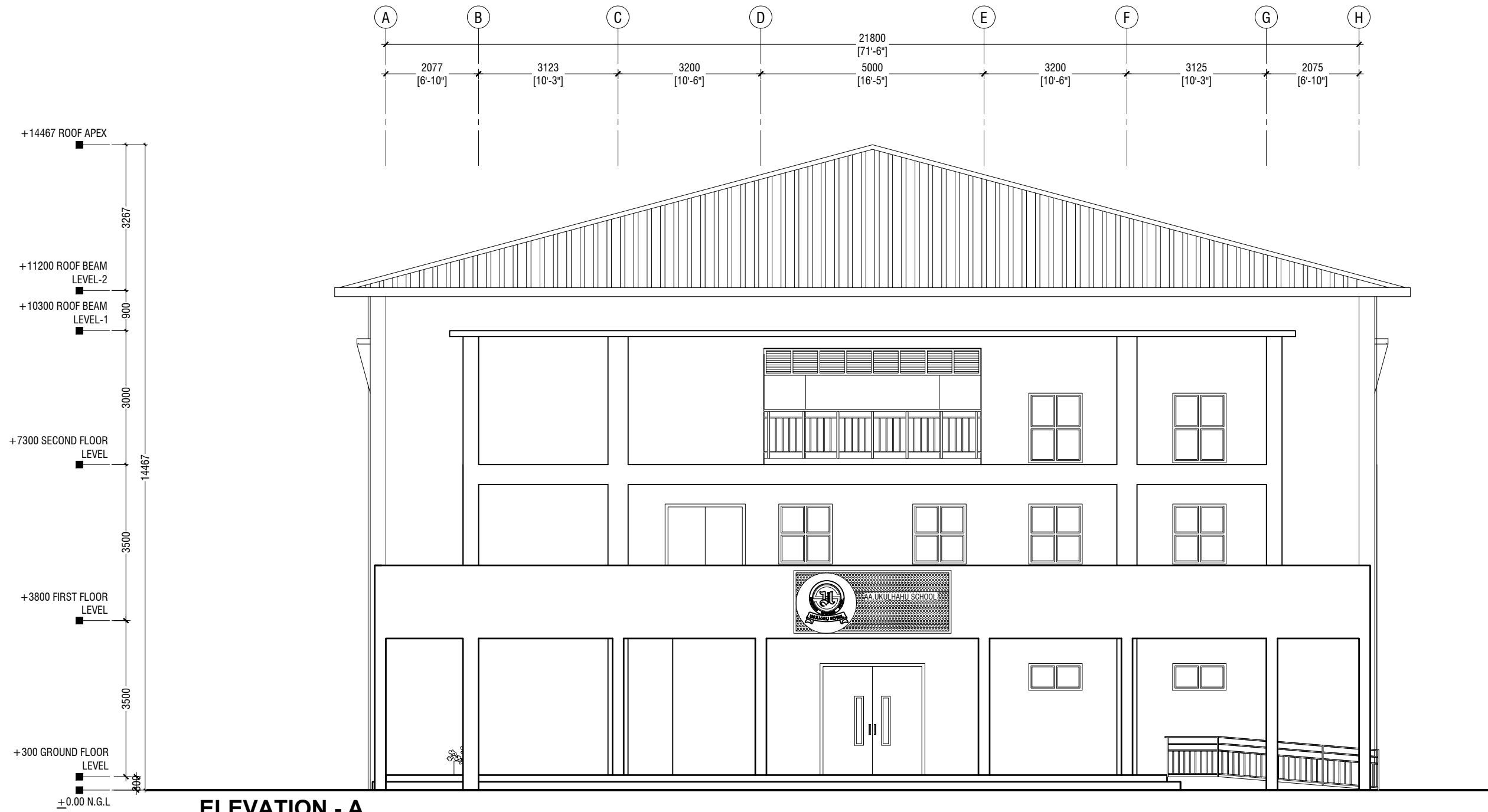
NOTE:

- ROOF - 2 SLOPE : 15° SLOPE
- ROOF - 2 MATERIAL : LYSAGHT COLOURBOND ROOFING SHEETS
- ROOF - 2 OVERHANG : 750mm FROM THE BUILDING



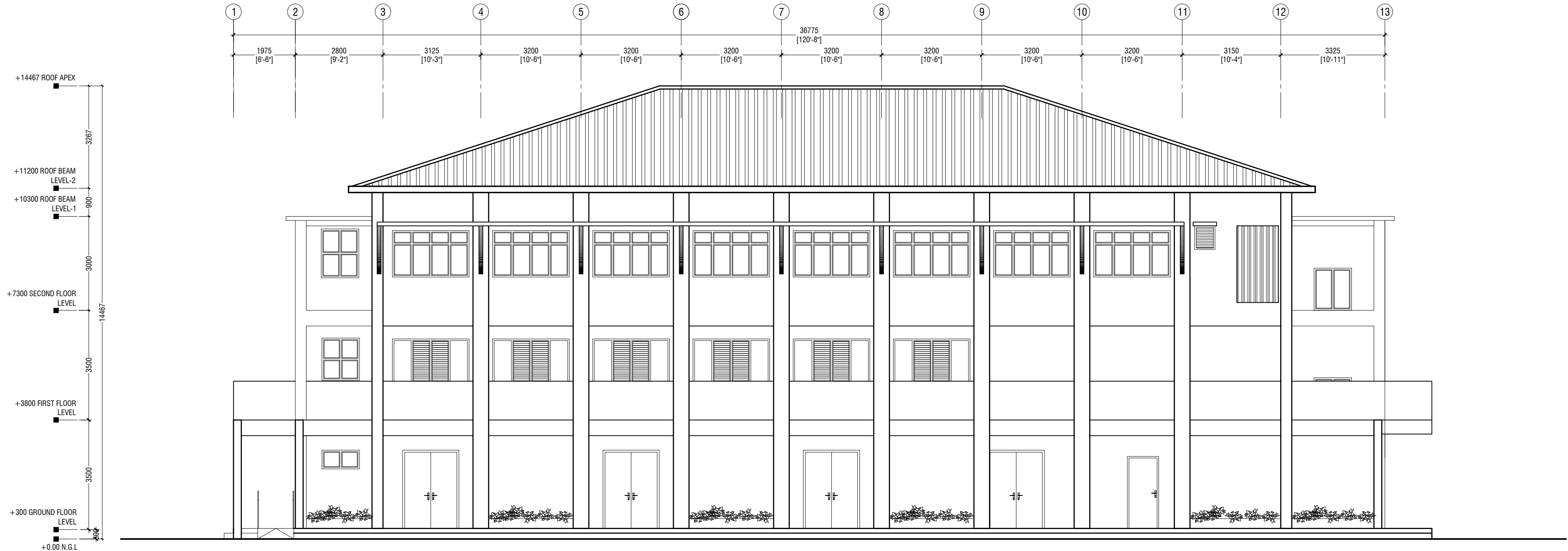






ELEVATION - A

SCALE 1:100



ELEVATION - B

SCALE 1:100



Aa.Ukulhas School Multipurpose Hall & 8 Classroom

Client: Ministry of Education

Project Number: R/2020/006

Architect: Fahimath Leena Jaleel

Engineer: Mohamed Muhiyiddin Waleed

Drawn by: Fahimath Leena Jaleel

Services: Ashraf Ahmed

Interior: -

Rev no

Date



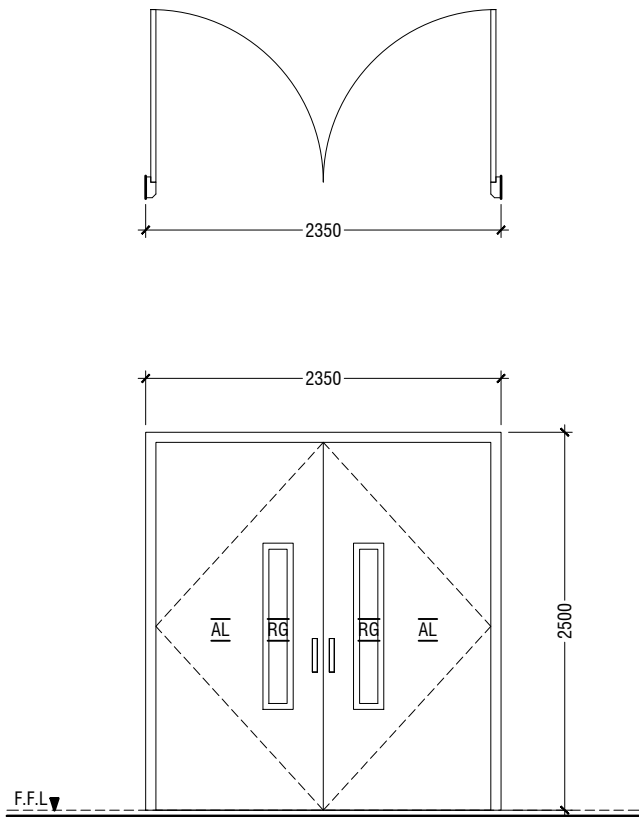
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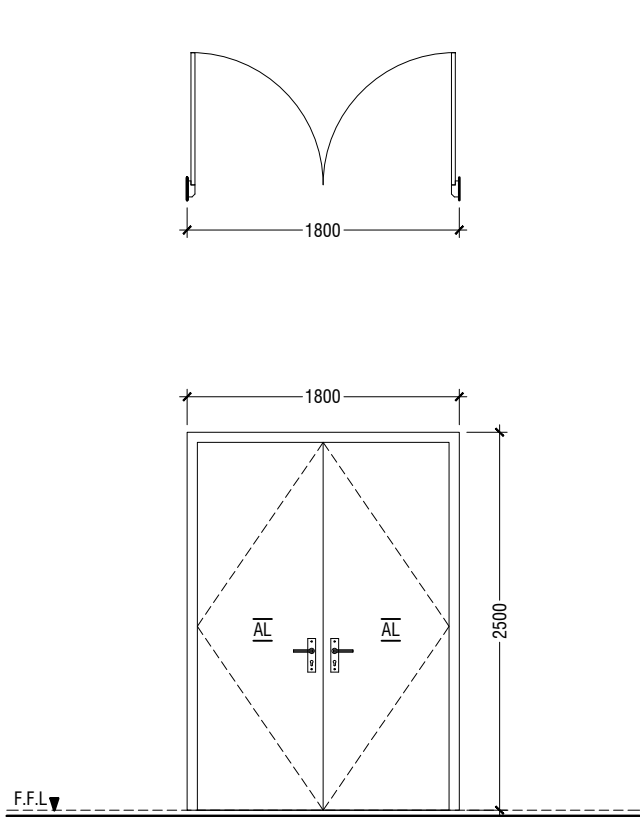
Title: Front Elevation - E1  
Side Elevation - E2

Page: A-07/27

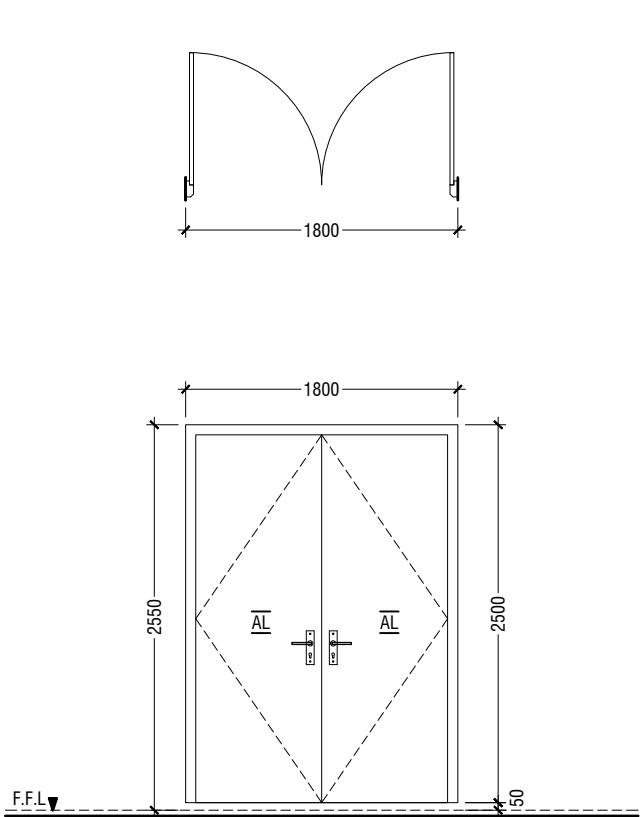
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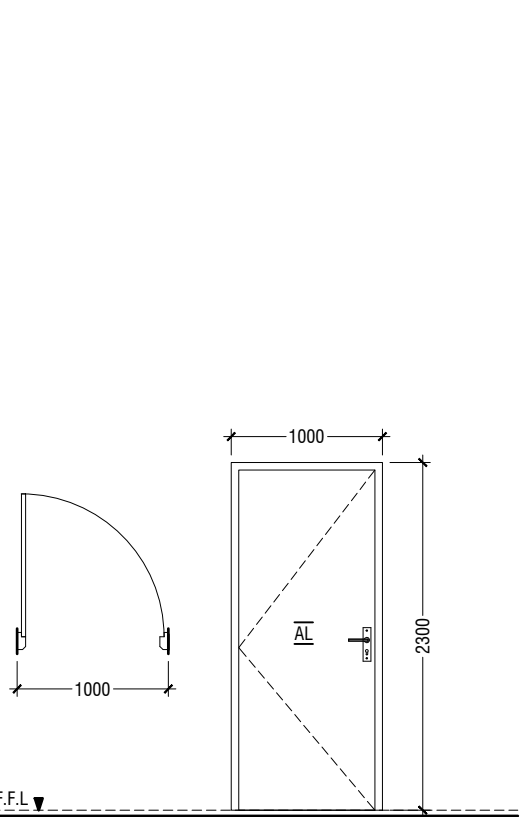
D1	DOUBLE SWING DOOR
REMARKS	50mm THICK WHITE POWDER COATED (60 MICRONS) ALUMINUM FRAMED WITH ALUMINIUM PANEL GLASS ON PANEL : 6mm THK REFLECTIVE GLASS
LOCATION	HALL MAIN ENTRANCE
QUANTITY	01 NOS
OPEN AREA	5.39 sqm



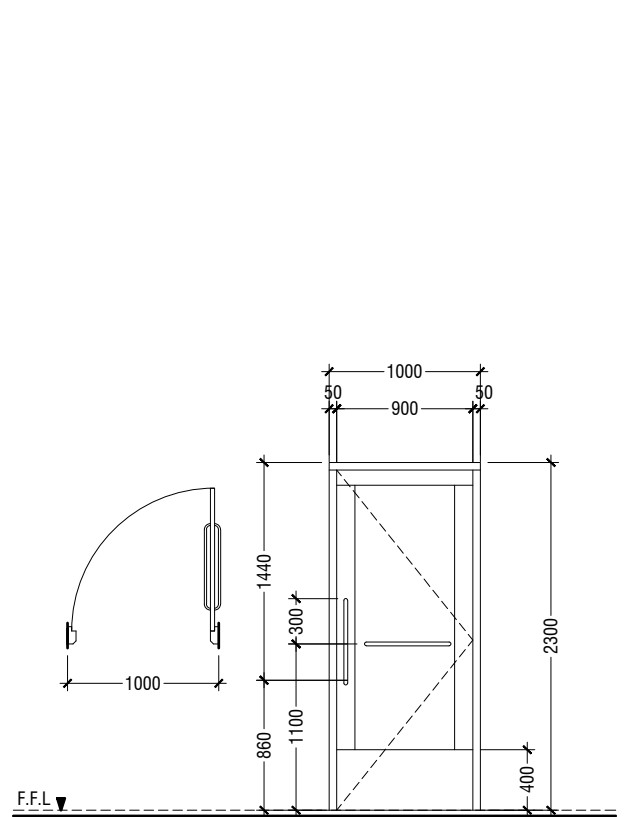
D2	DOUBLE SWING DOOR
REMARKS	50mm THICK WHITE POWDER COATED (60 MICRONS) ALUMINUM FRAMED WITH ALUMINIUM PANEL
LOCATION	HALL ENTRANCE
QUANTITY	08 NOS
OPEN AREA	4.05 sqm



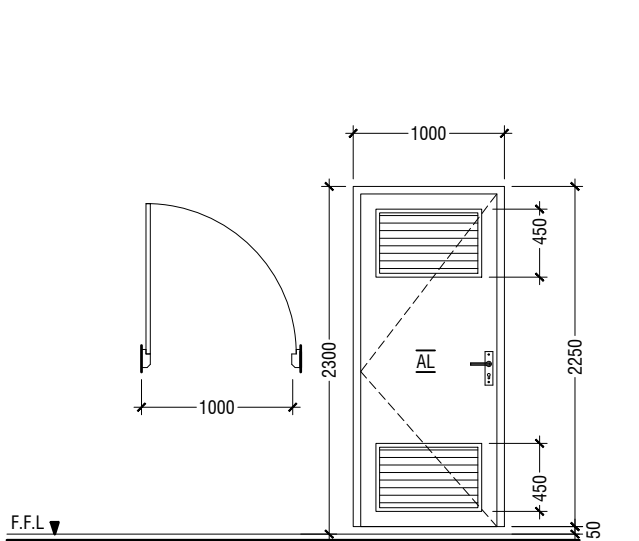
D2A	DOUBLE SWING DOOR
REMARKS	50mm THICK WHITE POWDER COATED (60 MICRONS) ALUMINUM FRAMED WITH ALUMINIUM PANEL
LOCATION	CATWALK ENTRANCE
QUANTITY	02 NOS
OPEN AREA	4.05 sqm



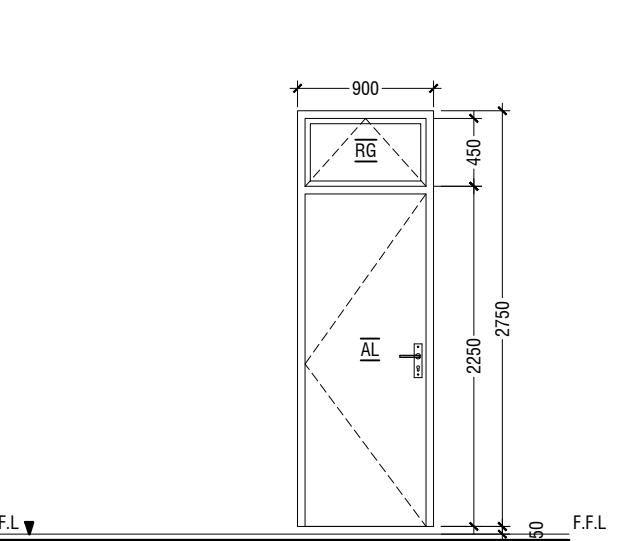
D3	SWING DOOR
REMARKS	50mm THICK WHITE POWDER COATED (60 MICRONS) ALUMINUM FRAMED WITH ALUMINIUM PANEL
LOCATION	ELECTRIC ROOM, CONTROL ROOM & STORE ROOM, CLEANER CLOSET
QUANTITY	06 NOS
OPEN AREA	2.03 sqm



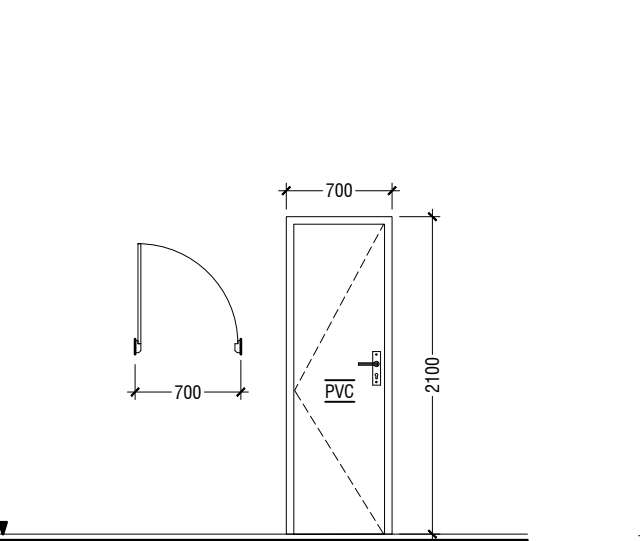
D4	SWING DOOR
REMARKS	50mm THICK WHITE POWDER COATED (60 MICRONS) ALUMINUM FRAMED WITH ALUMINIUM PANEL AND ALUMINIUM LOUVERS
LOCATION	DISABLED TOILET
QUANTITY	01 NOS
OPEN AREA	2.03 sqm



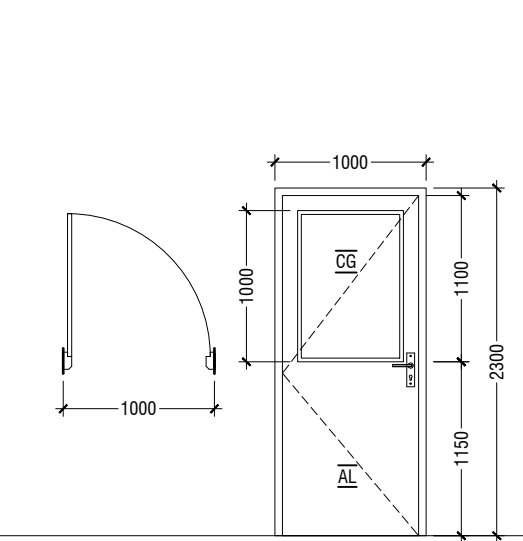
D5	SWING DOOR WITH ALUMINIUM LOUVERS
REMARKS	50mm THICK WHITE POWDER COATED (60 MICRONS) ALUMINUM FRAMED WITH ALUMINIUM PANEL AND ALUMINIUM LOUVERS
LOCATION	TOILETS & UNDER STAIR STORE
QUANTITY	06 NOS
OPEN AREA	1.98 sqm



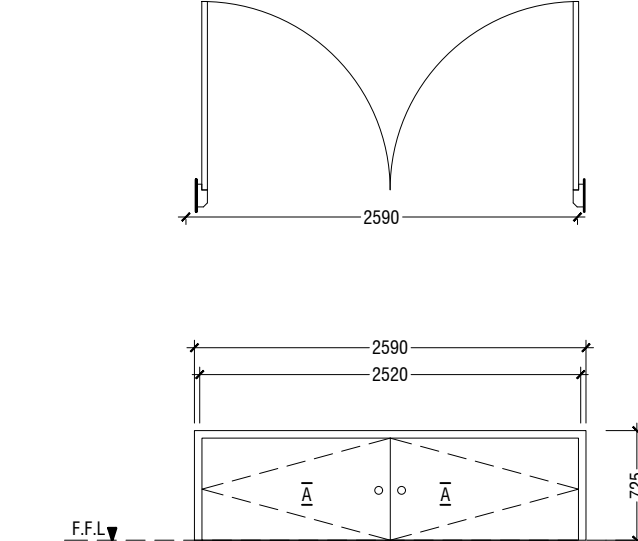
D6	SWING DOOR WITH TOP HUNG WINDOW
REMARKS	50mm THICK WHITE POWDER COATED (60 MICRONS) ALUMINUM FRAMED WITH ALUMINIUM PANEL DOOR AND REFLECTIVE GLASS WINDOW
LOCATION	CHANGING ROOM
QUANTITY	02 NOS
OPEN AREA	2.12 sqm



D7	PVC SWING DOOR
REMARKS	PVC WHITE FRAME AND PANEL
LOCATION	TOILETS
QUANTITY	09 NOS
OPEN AREA	1.23 SQM



D8	SWING DOOR
REMARKS	50mm THICK WHITE POWDER COATED (60 MICRONS) ALUMINUM FRAMED WITH ALUMINIUM PANEL AND 6mm THICK CLEAR GLASS
LOCATION	CLASSROOMS
QUANTITY	16 NOS
OPEN AREA	2.03 sqm

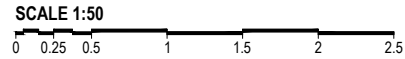


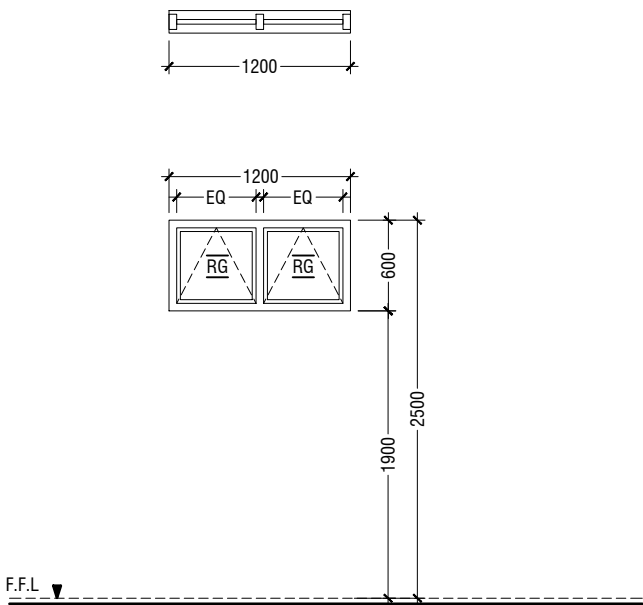
D9	DOUBLE SWING DOOR
REMARKS	50mm THICK WHITE POWDER COATED (60 MICRONS) ALUMINUM FRAMED WITH ALUMINIUM PANEL
LOCATION	STAGE STORE ACCESS
QUANTITY	05 NOS
OPEN AREA	1.66 SQM

LEGEND:  
FCG - FIXED CLEAR GLASS  
FRG - FIXED REFLECTED GLASS  
RG - REFLECTED GLASS  
AL - ALUMINIUM  
PVC - POLYVINYL CHLORIDE

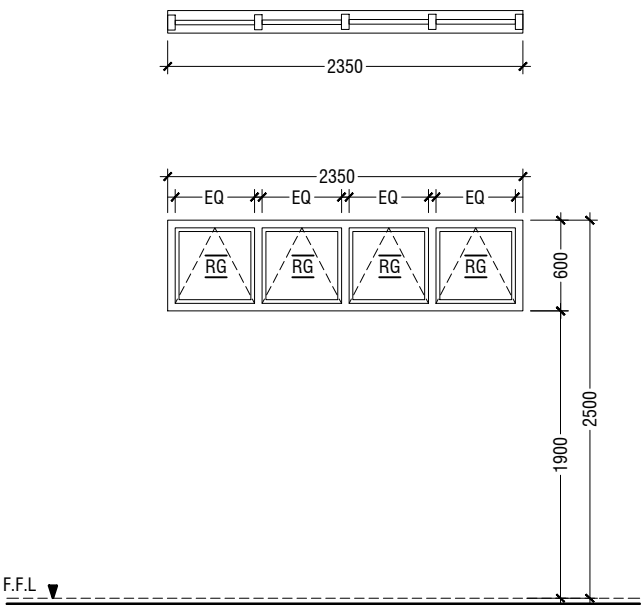
NOTE:-  
- FLOOR TO FLOOR HEIGHT VARIES AND WILL BE SUBJECTED TO CHANGES, LIKEWISE, THE BEAM DEPTH CHANGES AT DIFFERENT LOCATIONS OF SIMILAR DOORS/WINDOWS AND WILL BE SUBJECTED TO CHANGES  
- ALL DOORS & WINDOWS TO BE CHECKED ON SITE BEFORE FABRICATION.  
- ALL DOOR & WINDOWS VIEWED FROM EXTERIOR, FOR 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

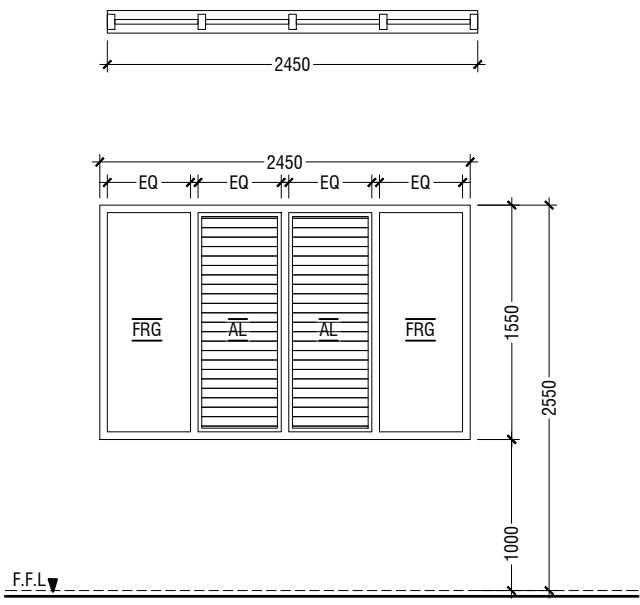




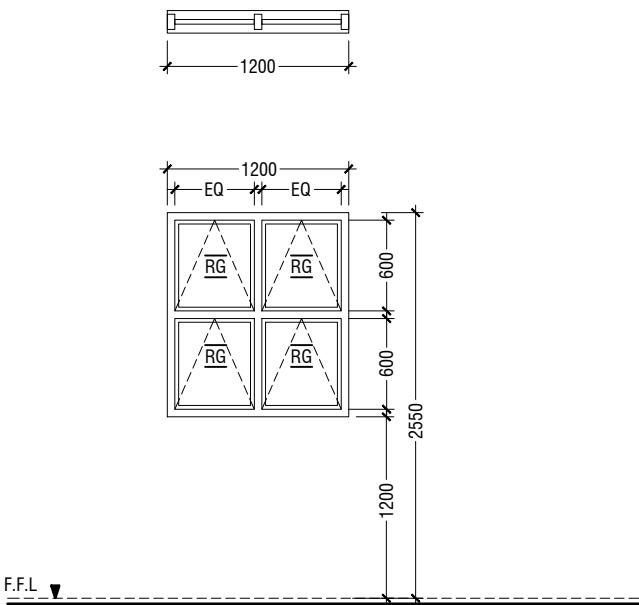
W1	TOP HUNG WINDOW
REMARKS	50mm THICK WHITE POWDER COATED (60 MICRONS) ALUMINUM FRAMED WINDOW WITH 6mm THICK REFLECTIVE GLASS
LOCATION	STORE ROOMS , ELECTRICAL ROOM
QUANTITY	03 NOS
OPEN AREA	0.53 sqm



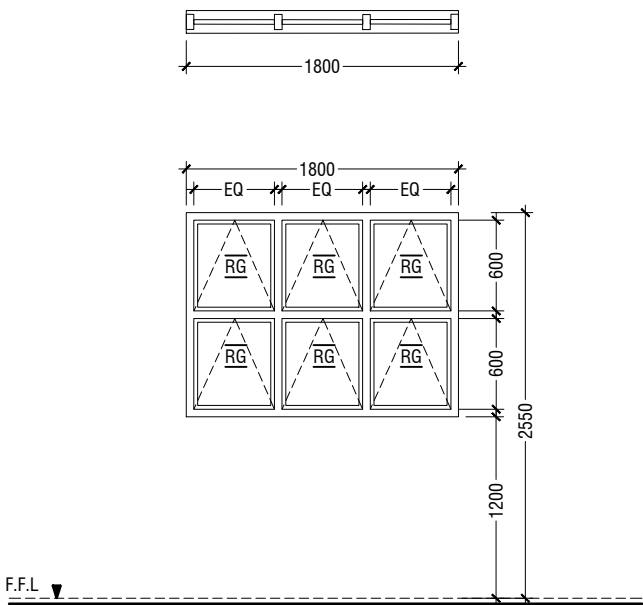
W2	TOP HUNG WINDOW
REMARKS	50mm THICK WHITE POWDER COATED (60 MICRONS) ALUMINUM FRAMED WINDOW WITH 6mm THICK REFLECTIVE GLASS
LOCATION	STORAGE
QUANTITY	00 NOS
OPEN AREA	1.05 sqm



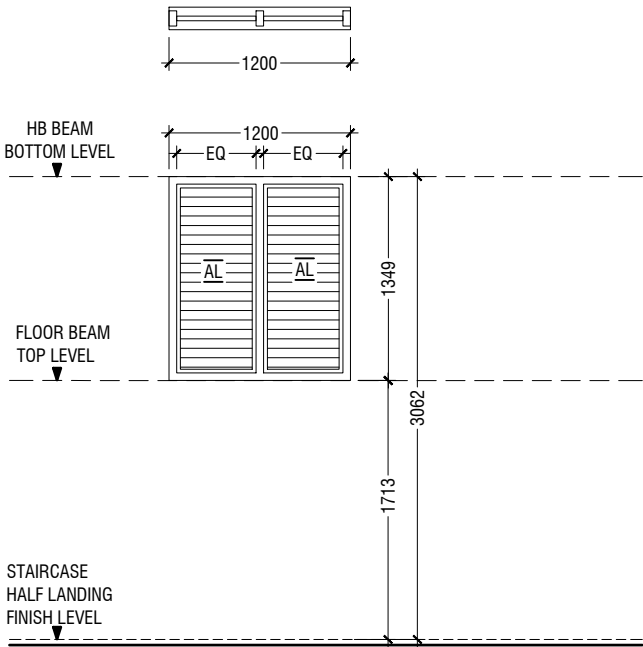
W3	WINDOW WITH FIXED GLASS & ALUMINIUM LOUVERS
REMARKS	50mm THICK WHITE POWDER COATED (60 MICRONS) ALUMINUM FRAMED WINDOW WITH ALUMINIUM LOUVERS AND 6mm THICK REFLECTED FIXED GLASS PANELS
LOCATION	HALL
QUANTITY	12 NOS
OPEN AREA	1.59 sqm



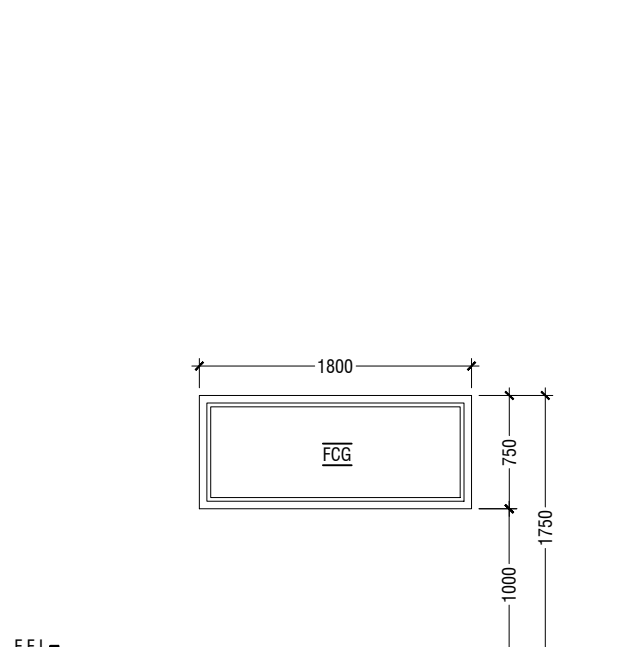
W4	TOP HUNG WINDOW
REMARKS	50mm THICK WHITE POWDER COATED (60 MICRONS) ALUMINUM FRAMED WINDOW WITH 6mm THICK REFLECTIVE GLASS
LOCATION	STORE ROOMS , CONTROL ROOM
QUANTITY	05 NOS
OPEN AREA	1.26 sqm



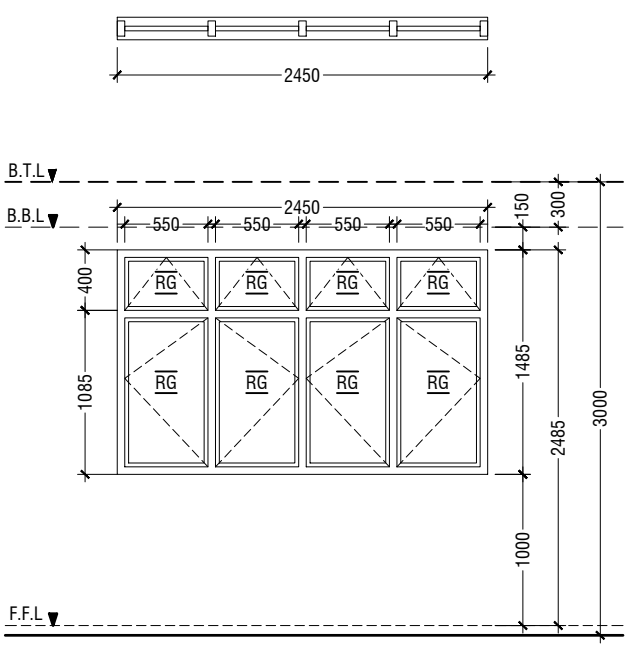
W5	TOP HUNG WINDOW
REMARKS	50mm THICK WHITE POWDER COATED (60 MICRONS) ALUMINUM FRAMED WINDOW WITH 6mm THICK REFLECTIVE GLASS
LOCATION	STAIRCASE LANDING
QUANTITY	02 NOS
OPEN AREA	1.92 sqm



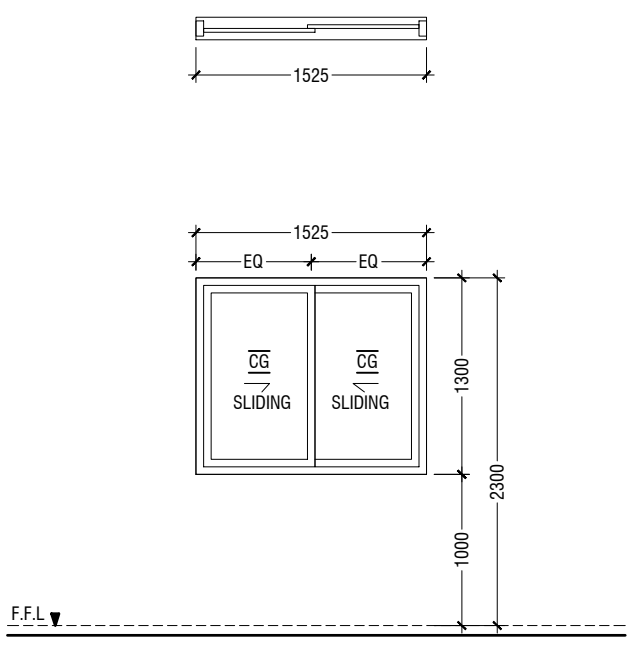
W6	LOUVERED WINDOW
REMARKS	50mm THICK WHITE POWDER COATED (60 MICRONS) ALUMINUM FRAMED WINDOW WITH ALUMINIUM LOUVERS
LOCATION	STAIRCASE HALF LANDING
QUANTITY	04 NOS
OPEN AREA	0.53 sqm



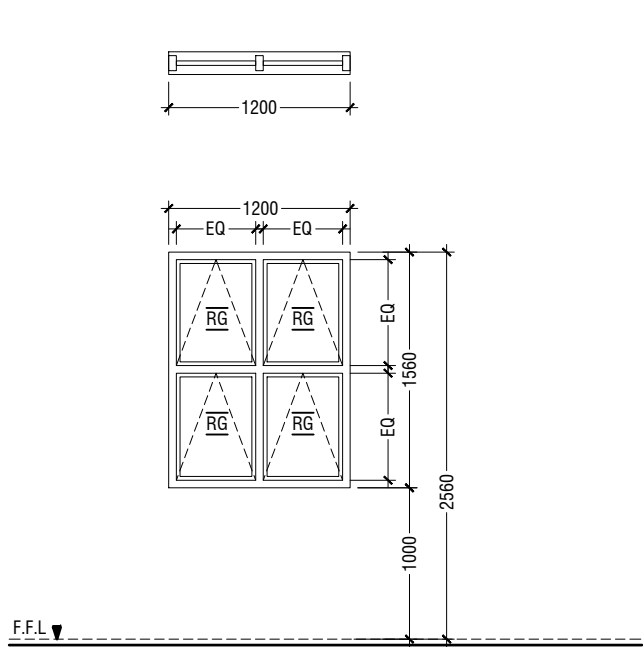
W7	FIXED WINDOW
REMARKS	50mm THICK WHITE POWDER COATED (60 MICRONS) ALUMINUM FRAMED WINDOW WITH 6mm THICK CLEAR GLASS PANEL
LOCATION	CONTROL ROOM
QUANTITY	01 NOS
OPEN AREA	- sqm



W8	SWING WINDOW
REMARKS	50mm THICK WHITE POWDER COATED (60 MICRONS) ALUMINUM FRAMED WINDOW WITH 6mm THICK REFLECTIVE GLASS
LOCATION	CLASSROOMS
QUANTITY	16 NOS
OPEN AREA	2.94 sqm



W9	SLIDING WINDOW
REMARKS	50mm THICK WHITE POWDER COATED (60 MICRONS) ALUMINUM FRAMED WITH ALUMINIUM PANEL AND 6mm THICK CLEAR GLASS
LOCATION	CLASSROOMS
QUANTITY	16 NOS
OPEN AREA	0.83 sqm



W10	TOP HUNG WINDOW
REMARKS	50mm THICK WHITE POWDER COATED (60 MICRONS) ALUMINUM FRAMED WINDOW WITH 6mm THICK REFLECTIVE GLASS
LOCATION	STORAGE
QUANTITY	03 NOS
OPEN AREA	1.48 sqm

LEGEND:  
FCG - FIXED CLEAR GLASS  
FRG - FIXED REFLECTED GLASS  
RG - REFLECTED GLASS  
AL - ALUMINIUM  
PVC - POLYVINYL CHLORIDE

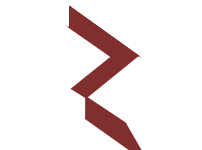
NOTE:-  
- FLOOR TO FLOOR HEIGHT VARIES AND WILL BE SUBJECTED TO CHANGES, LIKEWISE, THE BEAM DEPTH CHANGES AT DIFFERENT LOCATIONS OF SIMILAR DOORS/WINDOWS AND WILL BE SUBJECTED TO CHANGES  
- ALL DOORS & WINDOWS TO BE CHECKED ON SITE BEFORE FABRICATION.  
- ALL DOOR & WINDOWS VIEWED FROM EXTERIOR, FOR DOOR SWING, REFER TO FLOOR PLANS.  
- THE DOORS / WINDOWS WHICH DO NOT TOUCH THE BEAM SHALL HAVE A LUNTEL 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

AaUkulhas School Multipurpose Hall & 8 Classroom  
Client: Ministry of Education

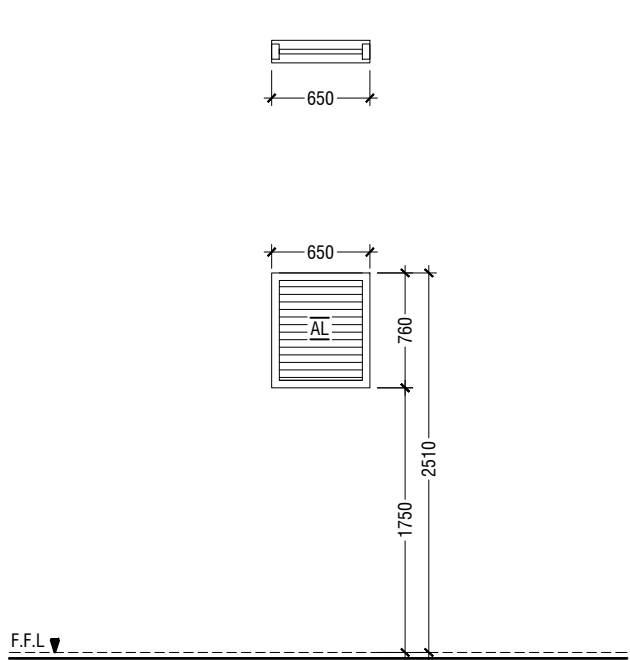
Project Number: RI/2020/006  
Architect: Fatimah Leena Jaleel  
Engineer: Mohamed Muhtashib Waleed  
Drawn by: Fatimah Leena Jaleel  
Services: Ashraf Ahmed  
Interior: -



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3rd floor, H. Azam, Ammanemogga, Male'

Title: Door & Window  
Schedule - 2  
Page: A-09/27

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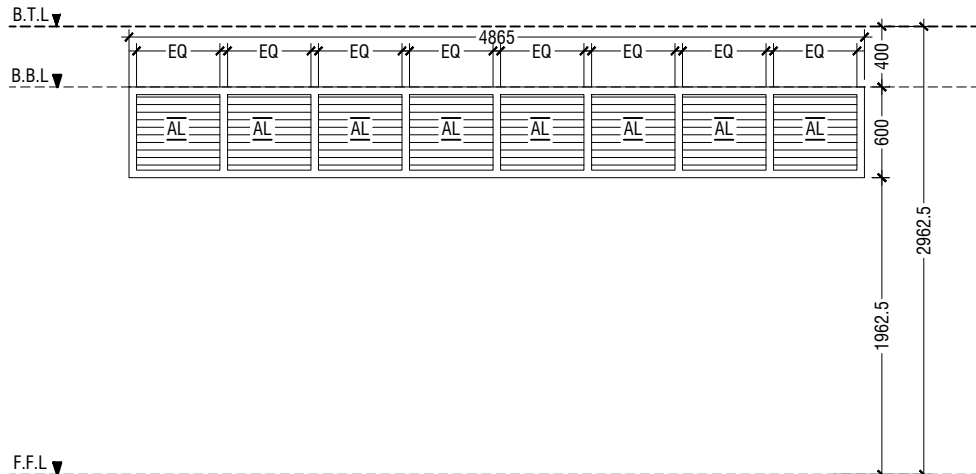
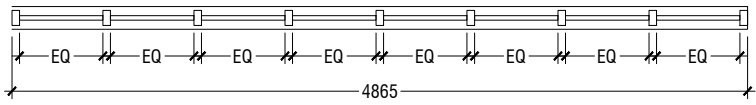
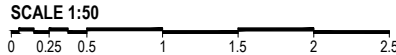


(W1)	WINDOW WITH ALUMINUM LOUVERS
REMARKS	50mm THICK WHITE POWDER COATED (60 MICRONS) ALUMINUM FRAMED WITH ALUMINUM LOUVERS
LOCATION	TOILETS
QUANTITY	02 NOS
OPEN AREA	0.36 SQM

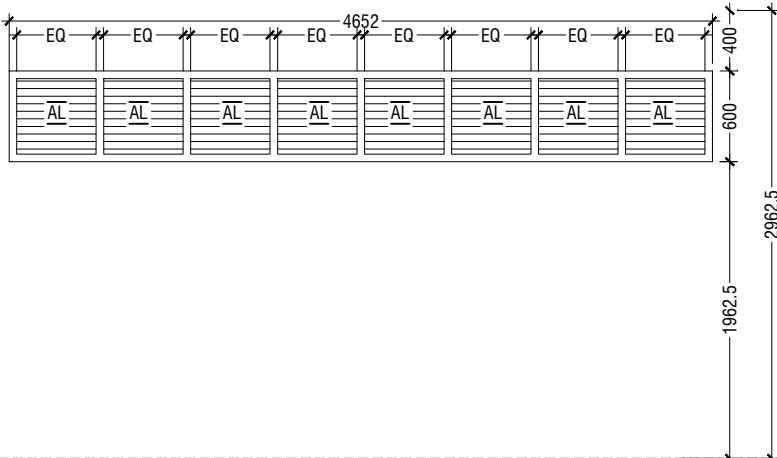
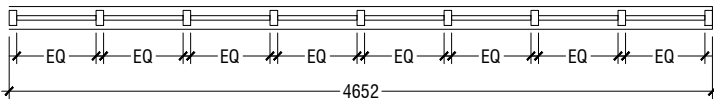
LEGEND:  
FCG - FIXED CLEAR GLASS  
FRG - FIXED REFLECTED GLASS  
RG - REFLECTED GLASS  
AL - ALUMINIUM  
PVC - POLYVINYL CHLORIDE

NOTE:-  
- FLOOR TO FLOOR HEIGHT VARIES AND WILL BE SUBJECTED TO CHANGES, LIKEWISE, THE BEAM DEPTH CHANGES AT DIFFERENT LOCATIONS OF SIMILAR DOORS/WINDOWS AND WILL BE SUBJECTED TO CHANGES  
- 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.

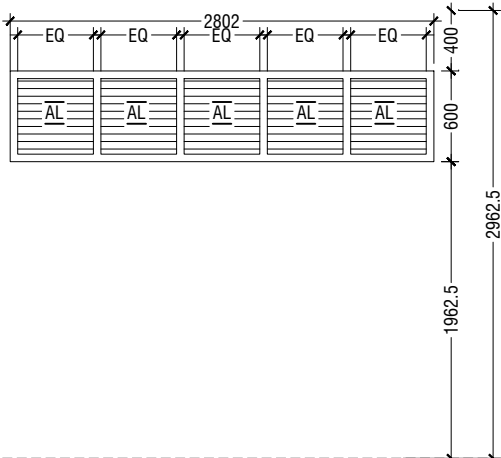
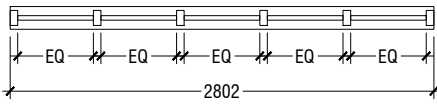
### DOOR / WINDOW SCHEDULE - 3



(V1)	SUNSHADING
REMARKS	50mm THICK WHITE POWDER COATED (60 MICRONS) ALUMINUM FRAMED WITH ALUMINUM LOUVERS
LOCATION	CORRIDOR
QUANTITY	01 NOS
OPEN AREA	-



(V2)	SUNSHADING
REMARKS	50mm THICK WHITE POWDER COATED (60 MICRONS) ALUMINUM FRAMED WITH ALUMINUM LOUVERS
LOCATION	CORRIDOR
QUANTITY	01 NOS
OPEN AREA	-



(V3)	SUNSHADING
REMARKS	50mm THICK WHITE POWDER COATED (60 MICRONS) ALUMINUM FRAMED WITH ALUMINUM LOUVERS
LOCATION	CORRIDOR
QUANTITY	01 NOS
OPEN AREA	-

	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	497.29	D1, 8*D2 &12*W3	49.73	56.87	11.44%
2	Electrical Room	14.83	3*W1	1.48	1.59	10.72%
3	Changing Room -1	4.37	D6	0.44	2.12	48.51%
4	Changing Room -2	4.33	D6	0.43	2.12	48.96%
5	Storage - 1	5.51	Mechanical Ventilation			
6	Storage - 2	6.57	W2	0.66	1.05	15.98%
7	Toilet for Disable	5.01	Mechanical Ventilation			
8	Toilet (Male)	7.46	RC FINS			
9	Toilet (Female)	9.21	RC FINS			
	<b>First Floor</b>					
1	Control Room	11.49	2*W4	1.15	2.52	21.93%
2	Store Room	14.83	3*W4	1.48	3.78	25.49%
	<b>Second Floor</b>					
1	Class Room - 1	58.03	2*D8, 2*W8 & 2*W9	5.80	11.60	19.99%
2	Class Room - 2	57.96	2*D8, 2*W8 & 2*W9	5.80	11.60	20.01%
3	Class Room - 3	57.96	2*D8, 2*W8 & 2*W9	5.80	11.60	20.01%
4	Class Room - 4	57.96	2*D8, 2*W8 & 2*W9	5.80	11.60	20.01%
5	Class Room - 5	58.03	2*D8, 2*W8 & 2*W9	5.80	11.60	19.99%
6	Class Room - 6	57.96	2*D8, 2*W8 & 2*W9	5.80	11.60	20.01%
7	Class Room - 7	58.03	2*D8, 2*W8 & 2*W9	5.80	11.60	19.99%
8	Class Room - 8	57.96	2*D8, 2*W8 & 2*W9	5.80	11.60	20.01%
9	Toilet (Male)	15.41	RC FINS			
10	Toilet (Female)	15.39	RC FINS			
11	Cleaner Closet	4.46	Mechanical Ventilation			
12	Storage	4.99	3*W10	0.50	4.44	88.98%

### VENTILATION SCHEDULE

NOT TO SCALE

AaUkulhas School Multipurpose Hall & 8 Classroom  
Client: Ministry of Education

Rev no	Date
1	2023/06/06
2	2023/06/06
3	2023/06/06
4	2023/06/06
5	2023/06/06
6	2023/06/06
7	2023/06/06
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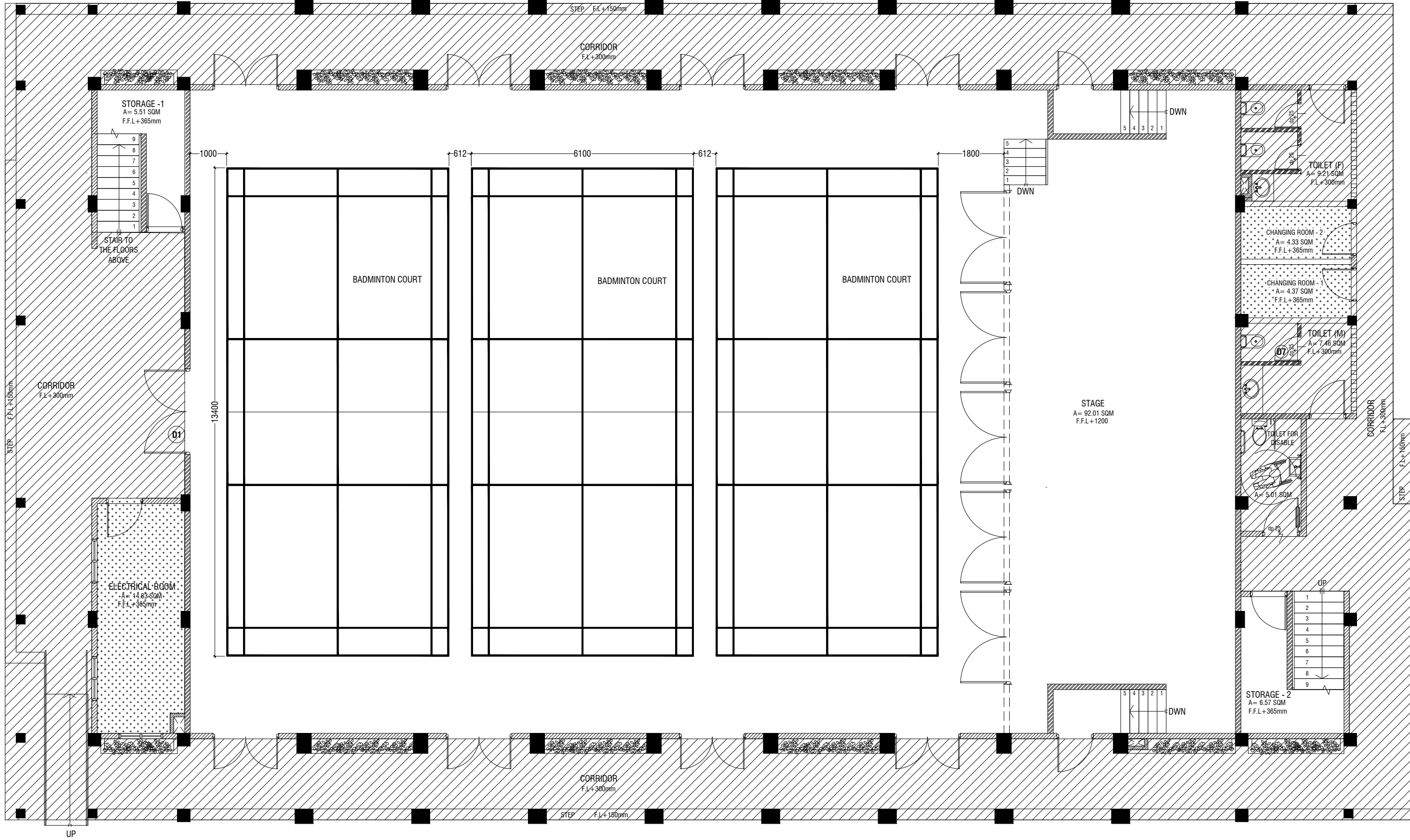
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3rd floor, H. Azam, Amreenemogga, Male'

Title: Door&WindowSchedule2  
& ventilation schedule

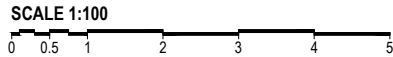
Page: A-10/27

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GROUND FLOOR REFLECTED CEILING PLAN



LEGEND	
CODE	DESCRIPTION
	EXPOSED SLAB SOFFIT TO BE GROUND SMOOTH IN SELECT PAINT FINISH (ONE COAT OF PUTTY FOLLOWED BY SEALER AND 2 COATS OF PAINT)
	6mm THICK CEMENT BOARD CEILING (ONE COAT OF PUTTY FOLLOWED BY SEALER AND 2 COATS OF PAINT)

Aa Ukulhas School Multipurpose Hall & 8 Classroom  
Client: Ministry of Education

Rev no	Date
1	2023/06/06
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6	2023/06/06
7	2023/06/06
8	2023/06/06
9	2023/06/06

Project Number: R/2023/006  
Architect: Fahimath Leena Jaleel  
Engineer: Mohamed Muhiyiddin Waleed  
Drawn by: Fahimath Leena Jaleel  
Services: Agha Ali Ahmed

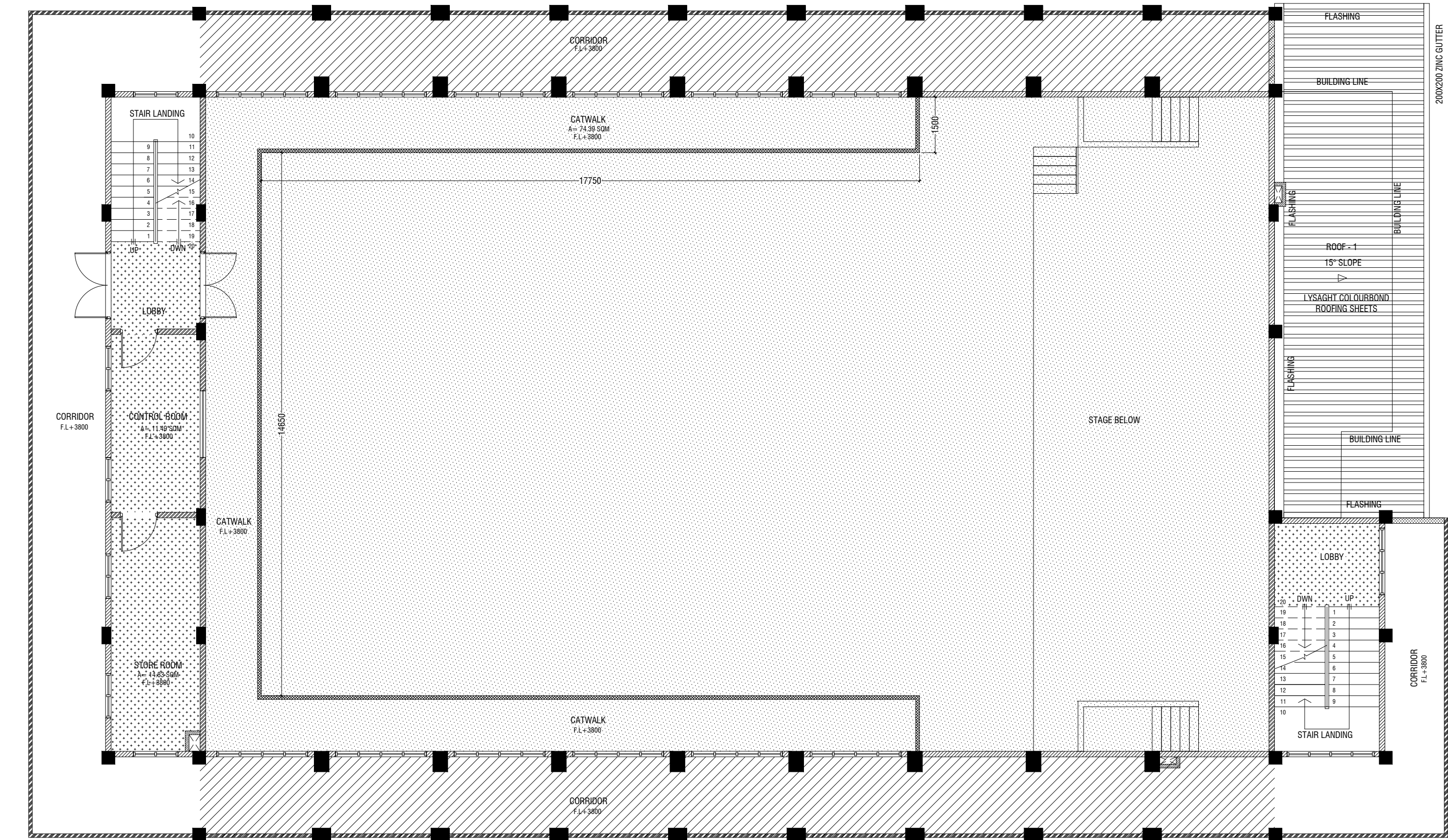


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3rd floor, H. Azam, Ammeenemogau, Malé

Title: Ground Floor Reflected Ceiling Plan

Page: A-11/27

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FIRST FLOOR REFLECTED CEILING PLAN

SCALE 1:100  
0 0.5 1 2 3 4 5

LEGEND

CODE	DESCRIPTION
	EXPOSED SLAB SOFFIT TO BE GROUND SMOOTH IN SELECT PAINT FINISH (ONE COAT OF PUTTY FOLLOWED BY SEALER AND 2 COATS OF PAINT)
	SUSPENDED ACOUSTIC CEILING SYSTEM WITH ALUMINUM FRAMING CEILING HEIGHT : +6900mm
	6mm THICK CEMENT BOARD CEILING (ONE COAT OF PUTTY FOLLOWED BY SEALER AND 2 COATS OF PAINT)

Aa Ukulhas School Multipurpose Hall & 8 Classroom  
Client: Ministry of Education

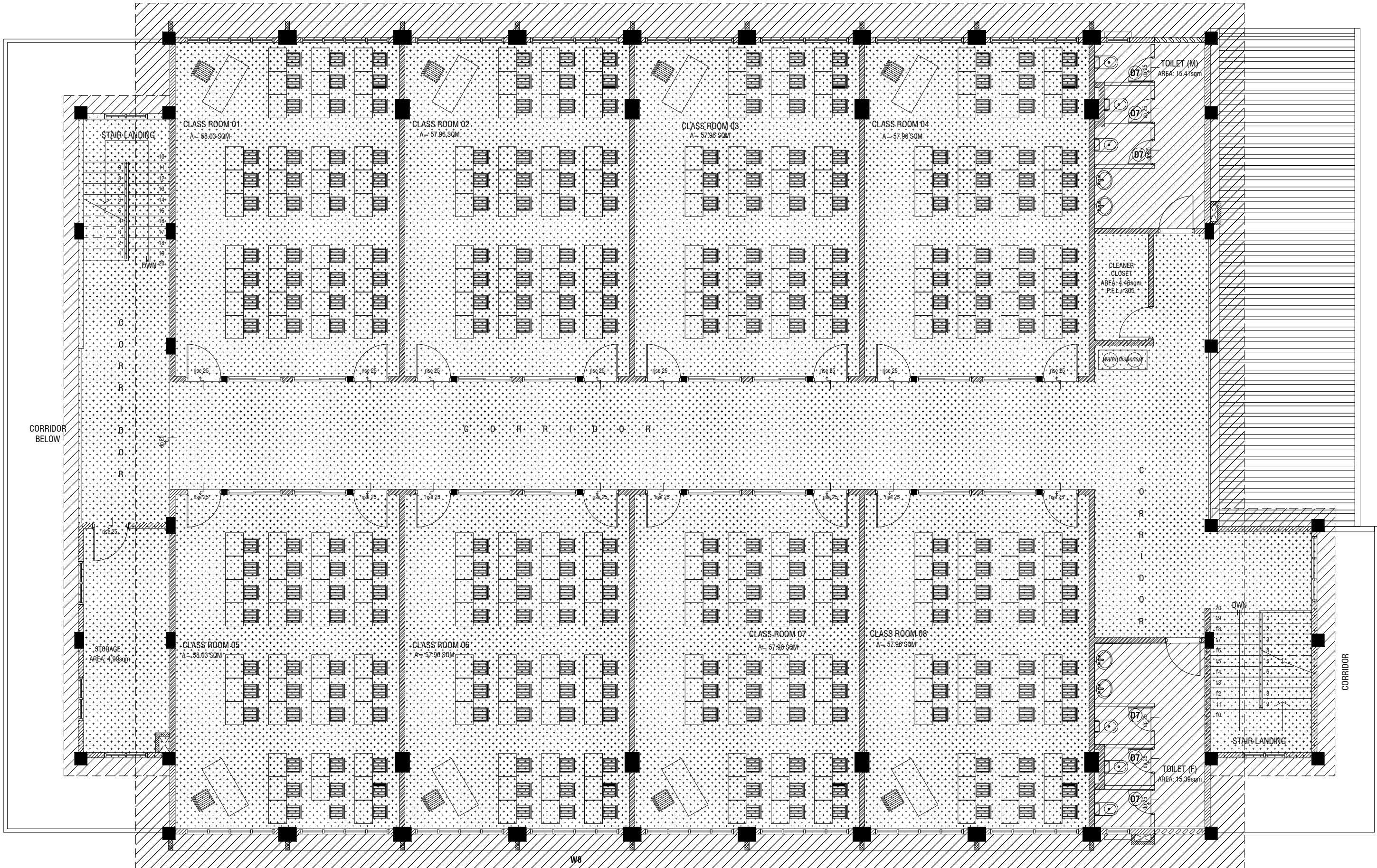
Rev no	Date
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2	2023/06/06
3	2023/06/06
4	2023/06/06
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16	2023/06/06
17	2023/06/06
18	2023/06/06
19	2023/06/06
20	2023/06/06

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3rd floor, H. Azam, Ammanemogga, Male'

Title: First Floor Reflected Ceiling Plan  
Page: A-12/27

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**SECOND FLOOR REFLECTED CEILING PLAN**

SCALE 1:100  
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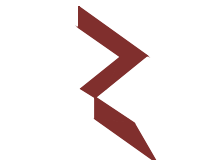
**LEGEND**

CODE	DESCRIPTION
	9mm THICK FIXED CEILING 'BORAL' OR EQUIVALENT PLASTERBOARD CEILING SYSTEM WITH TIMBER FRAMES, APPLIED WITH GROUND SMOOTH FINISH IN SELECTED PAINT
	6mm THICK CEMENT BOARD ON ROOF EAVE/GABLE CEILING (ONE COAT OF PUTTY FOLLOWED BY SEALER AND 2 COATS OF PAINT)

Aa Ukulhas School Multipurpose Hall & 8 Classroom  
Client: Ministry of Education

Rev no	Date
1	2023/06/06
2	2023/06/06
3	2023/06/06

Project Number: R/2023/006  
Architect: Fahimath Leena Jaleel  
Engineer: Mohamed Muthasib Waleed  
Drawn by: Fahimath Leena Jaleel  
Services: Aashim Ahmed



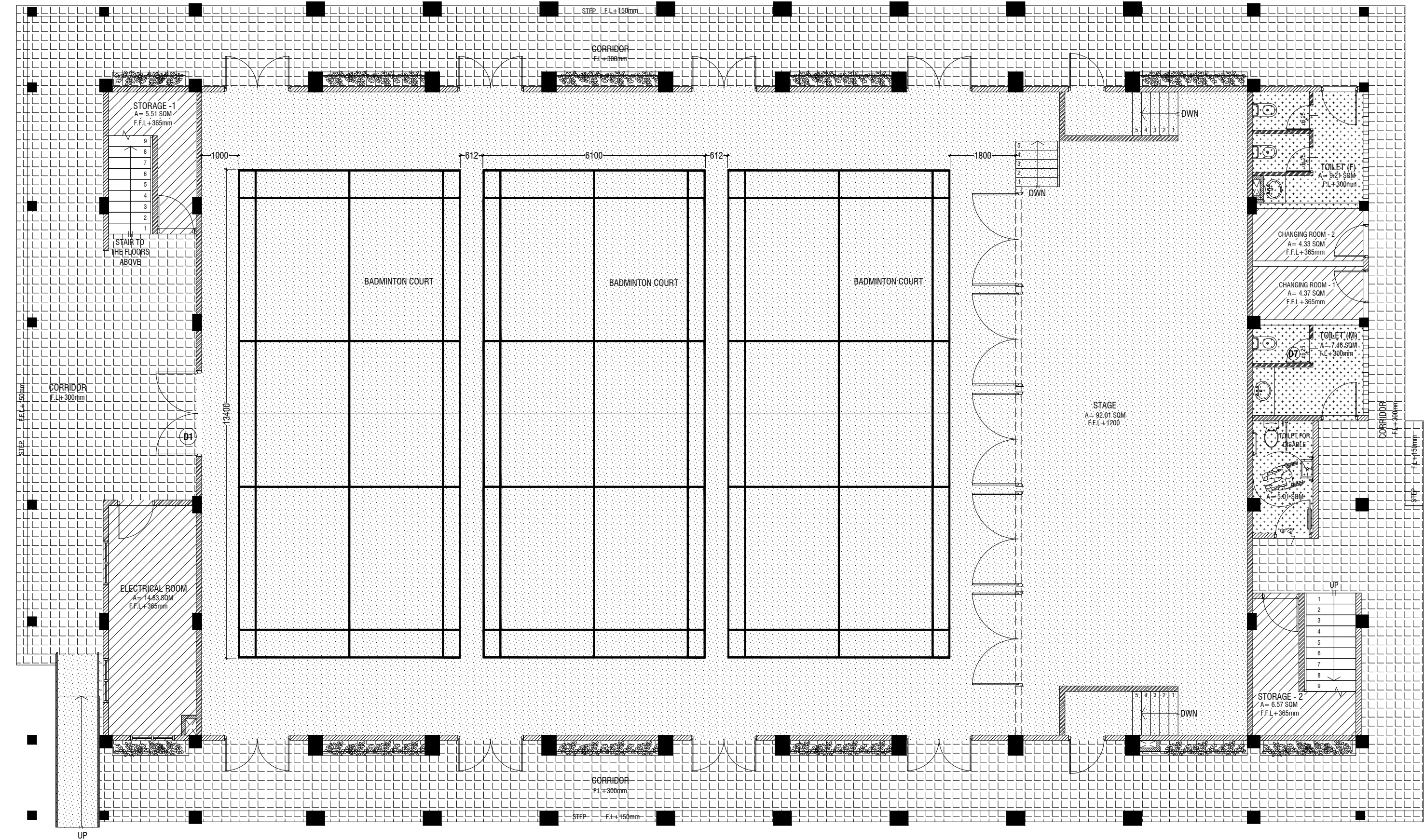
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3rd floor, H. Azam, Ammanemogga, Male'

Title: Second Floor Reflected Ceiling Plan

Page: A-13/27

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**GROUND FLOOR FINISHES PLAN**  
SCALE 1:100

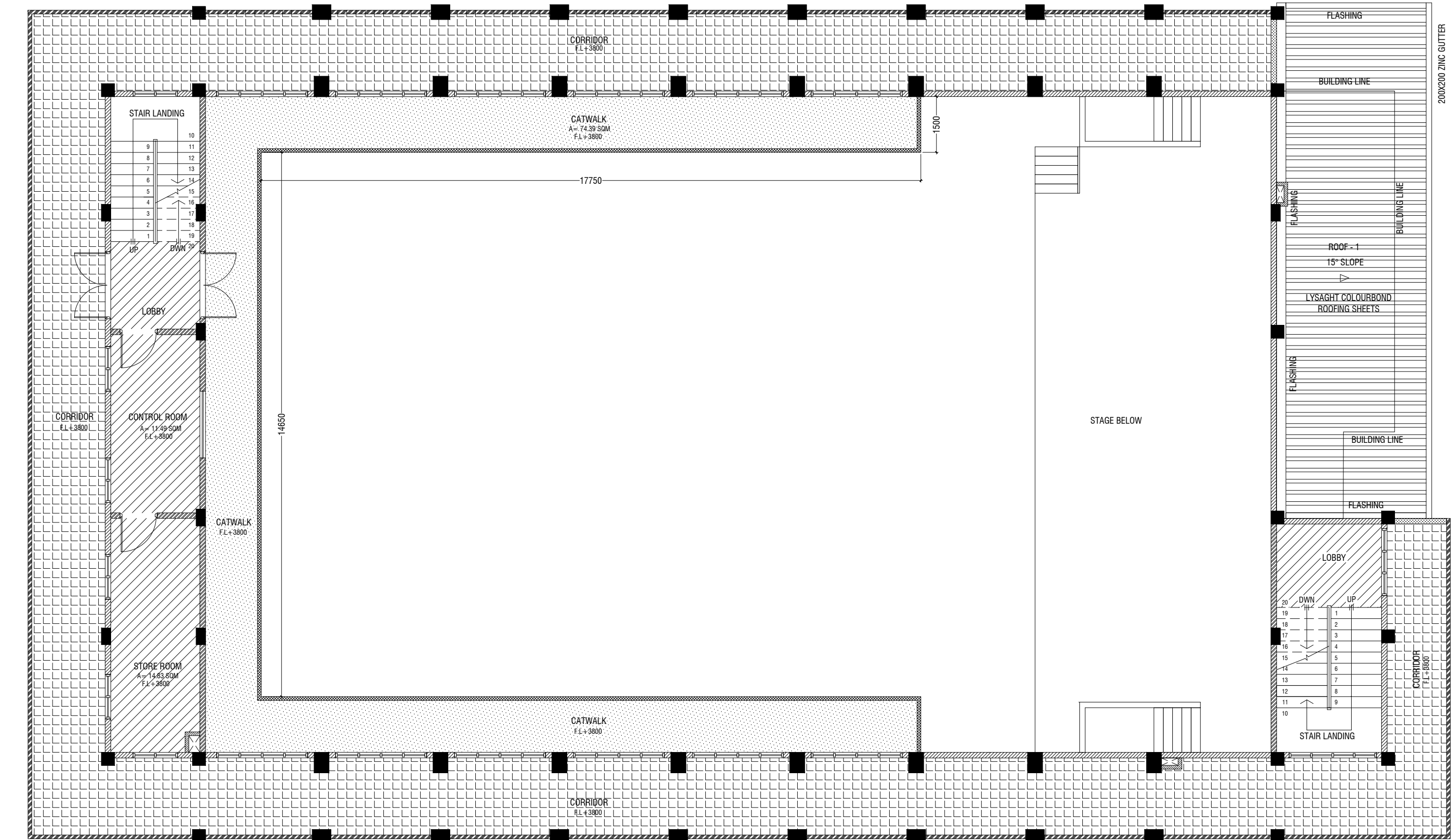
**LEGEND**

CODE	DESCRIPTION
	2.5mm SELF LEVELING CEMENT WITH EPOXY FLOOR PAINT (2 COATS OF EPOXY)
	600X600mm HOMOGENOUS NON-SLIP TILES OVER 25mm SCREEDING
	600X600mm HOMOGENOUS NON-SLIP TILES OVER 25mm SCREEDING (CEMENTITIOUS WATERPROOFING: MASTERPEL 588 OR EQUIVALENT ON TOP OF THE SLAB)

	300X300mm HOMOGENOUS NON-SLIP TILES OVER 25mm SCREEDING (APPLY SYNTHETIC WATERPROOFING ON SLAB)
--	---

NOTE:  
BADMINTON COURT TO BE DRAWN ON WITH ELASTOMETRIC PAINT IN SELECTED PAINT FINISH  
STAGE SHOULD HAVE A CARPET FINISH ON TOP OF THE 25X100mm HARDWOOD FLOORING

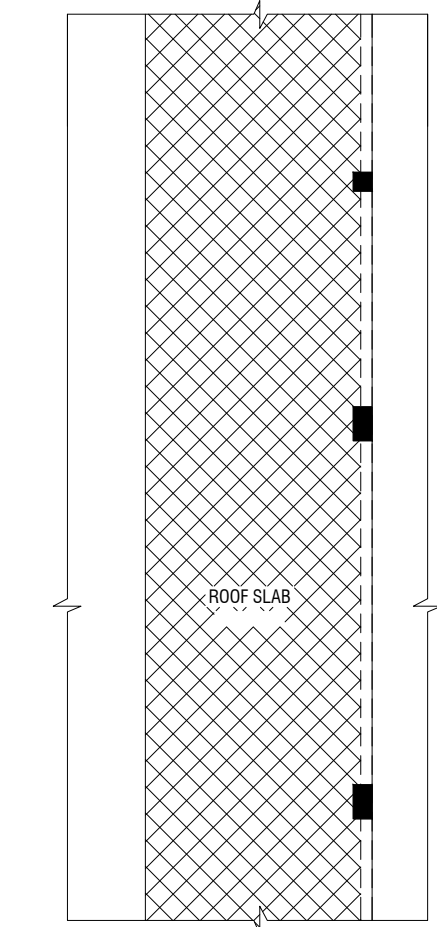




**FIRST FLOOR FINISHES PLAN**  
SCALE 1:100



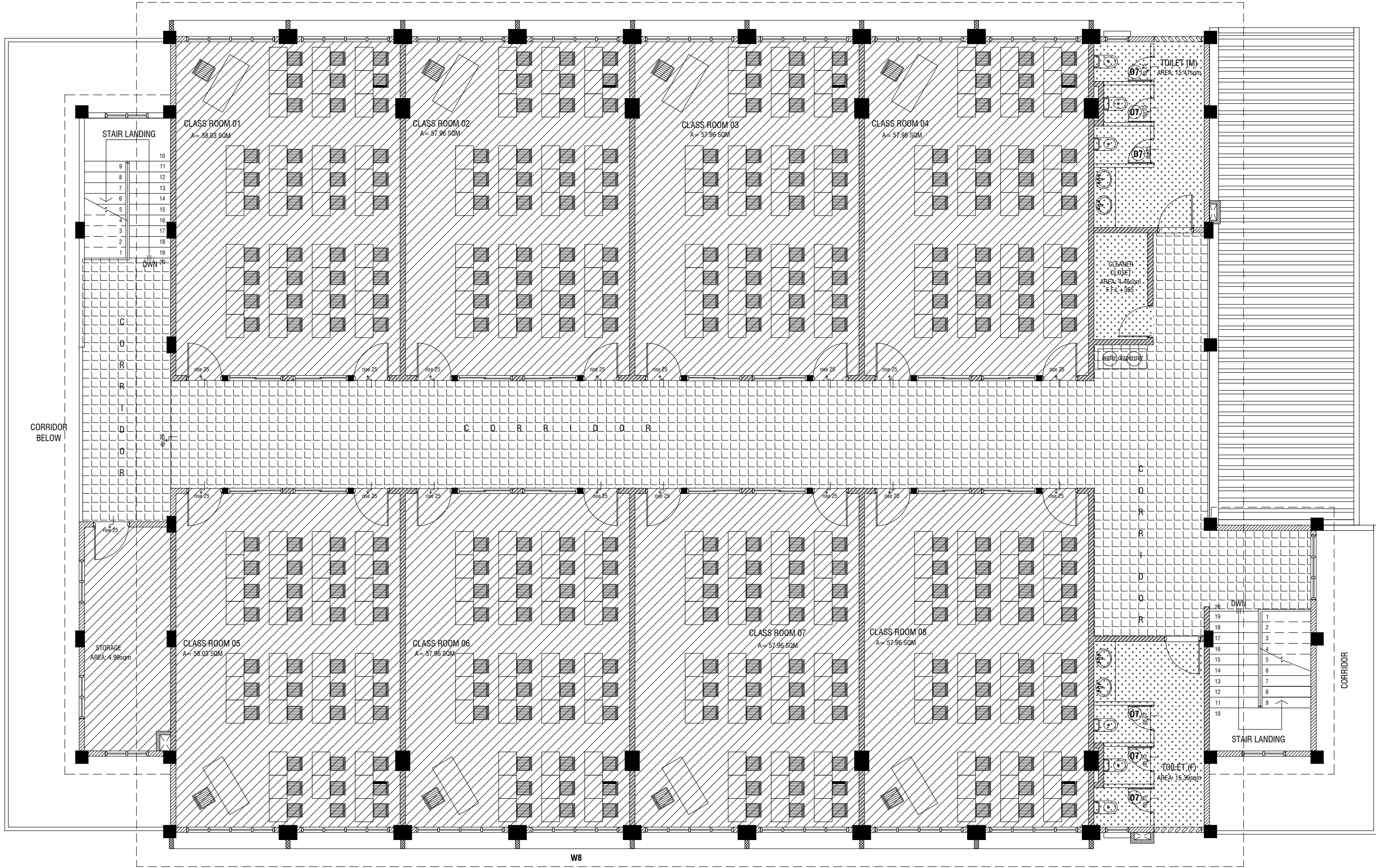
LEGEND	
CODE	DESCRIPTION
	35mm NORMAL SCREEDING WITH 2.5mm SELF LEVELING CEMENT WITH EPOXY FLOOR PAINT (2 COATS OF EPOXY)
	600X600mm HOMOGENOUS NON-SLIP TILES OVER 50mm SCREEDING
	SELF LEVELLING CEMENT FLOOR SCREED WITH BITUMINOUS WATERPROOFING AGENT
	600X600mm HOMOGENOUS NON-SLIP TILES OVER 25mm SCREEDING (CEMENTITIOUS WATERPROOFING: MASTERPEL 588 OR EQUIVALENT ON TOP OF THE SLAB)



NOTE:  
THE FINISH FLOOR LEVELS OF THE SLAB TOP OF THE ROOF SLABS SHALL BE DONE WITH SELF LEVELLING CEMENT FLOOR SCREED WITH BITUMINOUS WATERPROOFING AGENT

**ROOF SLAB  
FLOOR FINISHES PLAN**

SCALE 1:100  
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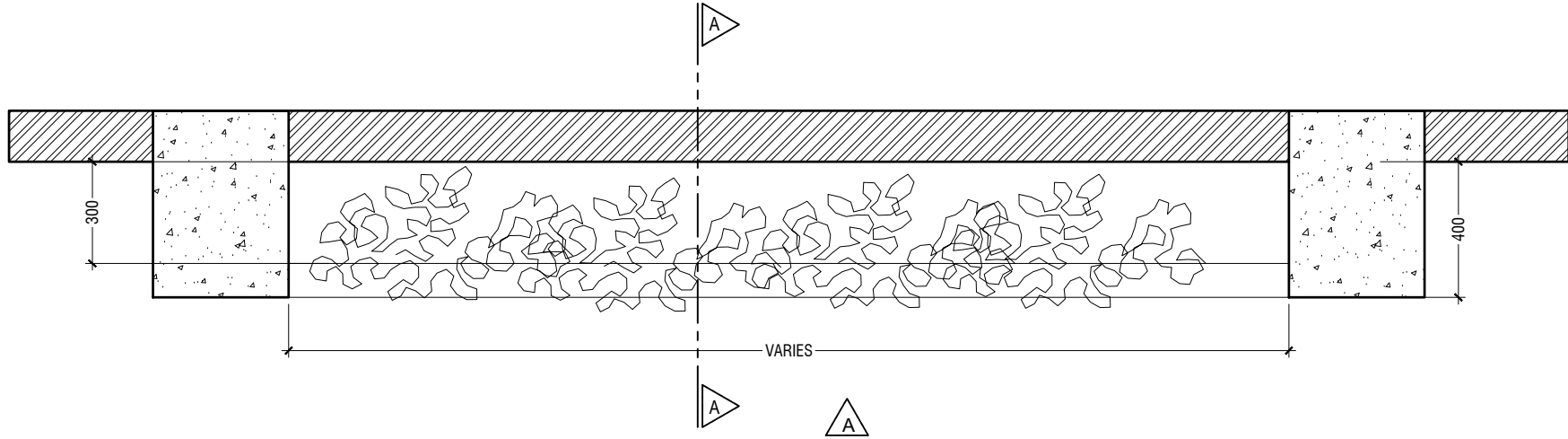


**SECOND FLOOR FINISHES PLAN**

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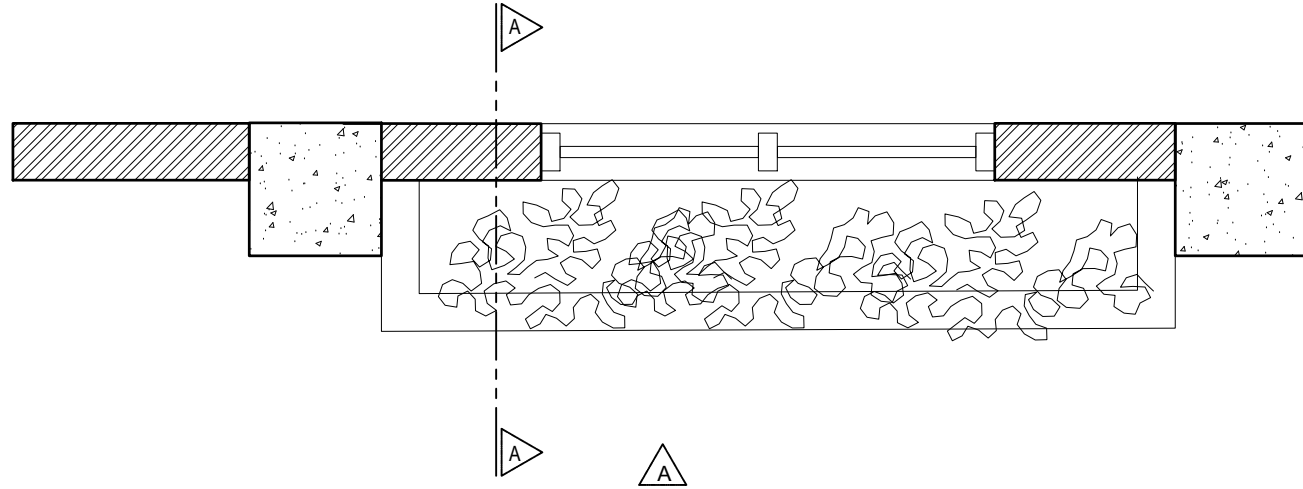
LEGEND	
CODE	DESCRIPTION
	600X600mm HOMOGENOUS NON-SLIP TILES OVER 50mm SCREEDING
	SELF LEVELLING CEMENT FLOOR SCREED WITH BITUMINOUS WATERPROOFING AGENT
	300X300mm HOMOGENOUS NON-SLIP TILES OVER 25mm SCREEDING(APPLY SYNTHETIC WATERPROOFING ON SLAB)
	600X600mm HOMOGENOUS NON-SLIP TILES OVER 25mm SCREEDING (CEMENTITIOUS WATERPROOFING, MASTERPEL 588 OR EQUIVALENT ON TOP OF THE SLAB)





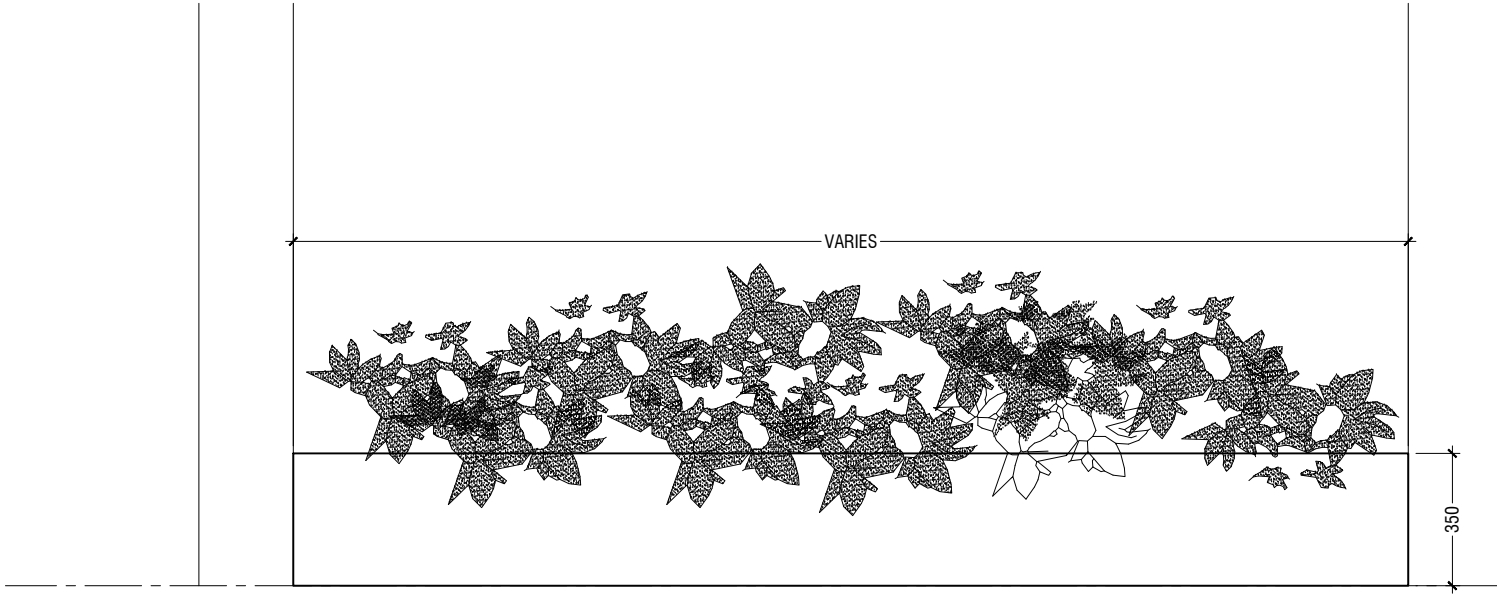
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SCALE 1:20  
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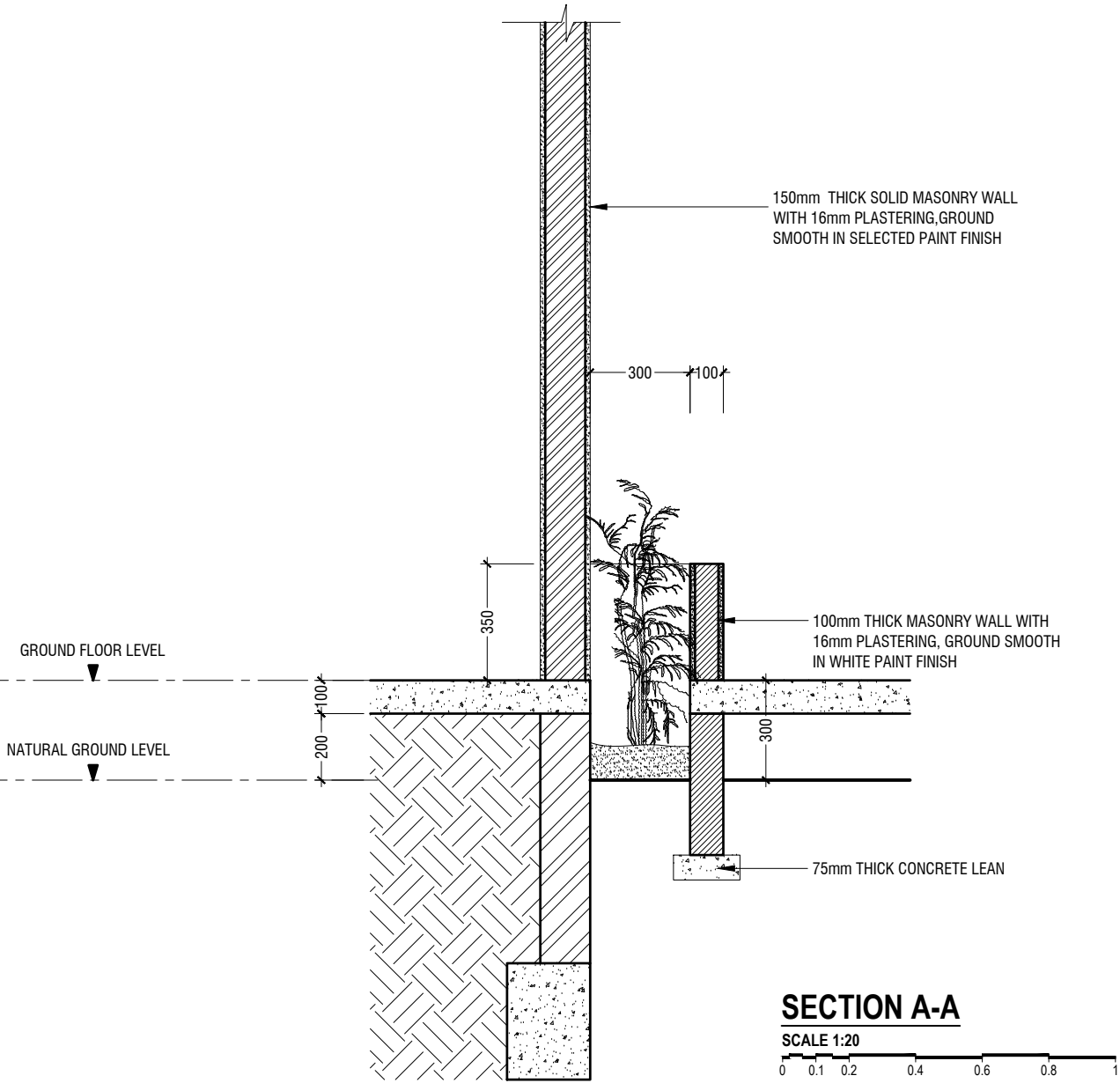
**TYPICAL PLAN VIEW TYPE - 2**

SCALE 1:20  
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**ELEVATION A**

SCALE 1:20  
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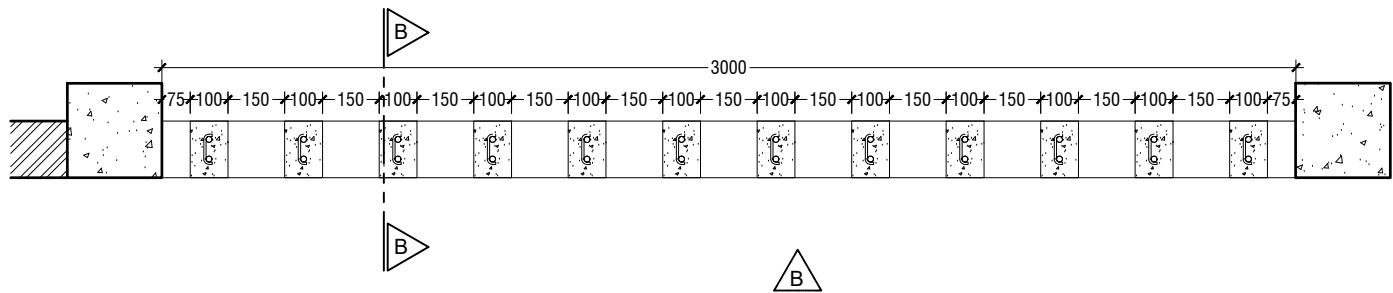


**SECTION A-A**

SCALE 1:20  
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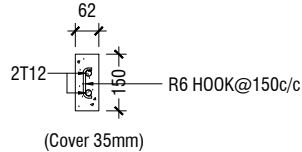
**DETAIL - 1 (PLANTER BOX DETAILS)**

SCALE 1:20  
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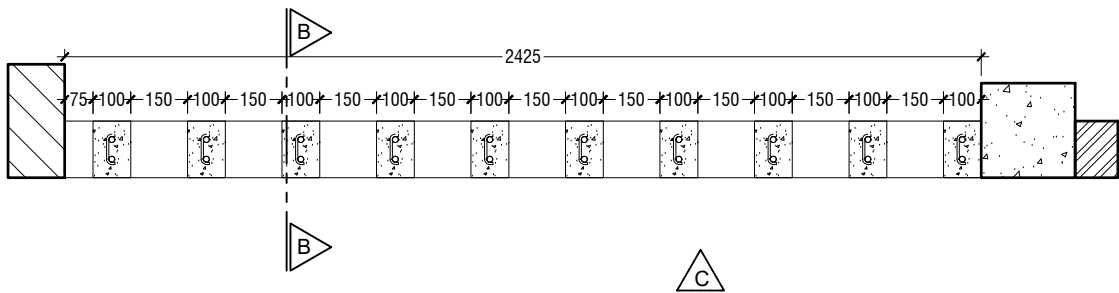
TYPE - 1 PLAN VIEW

SCALE 1:20



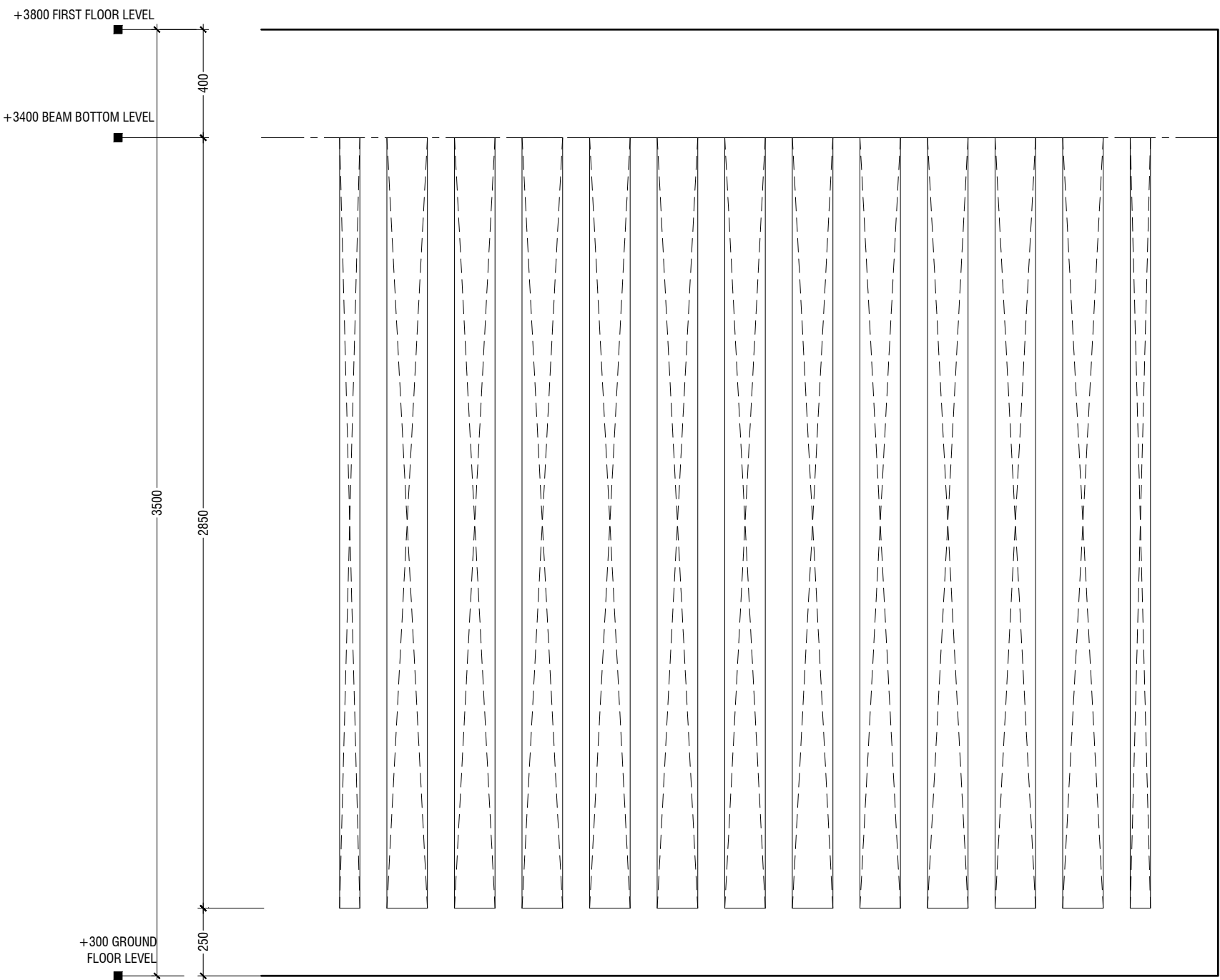
RC FIN DETAIL

SCALE 1:20



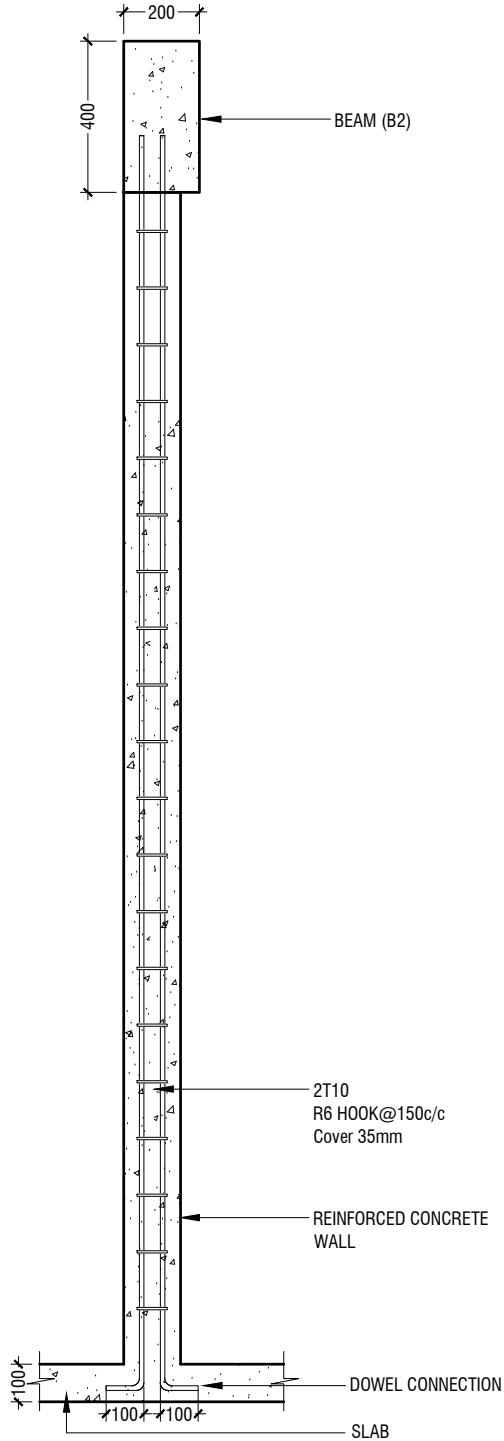
TYPE - 2 PLAN VIEW

SCALE 1:20



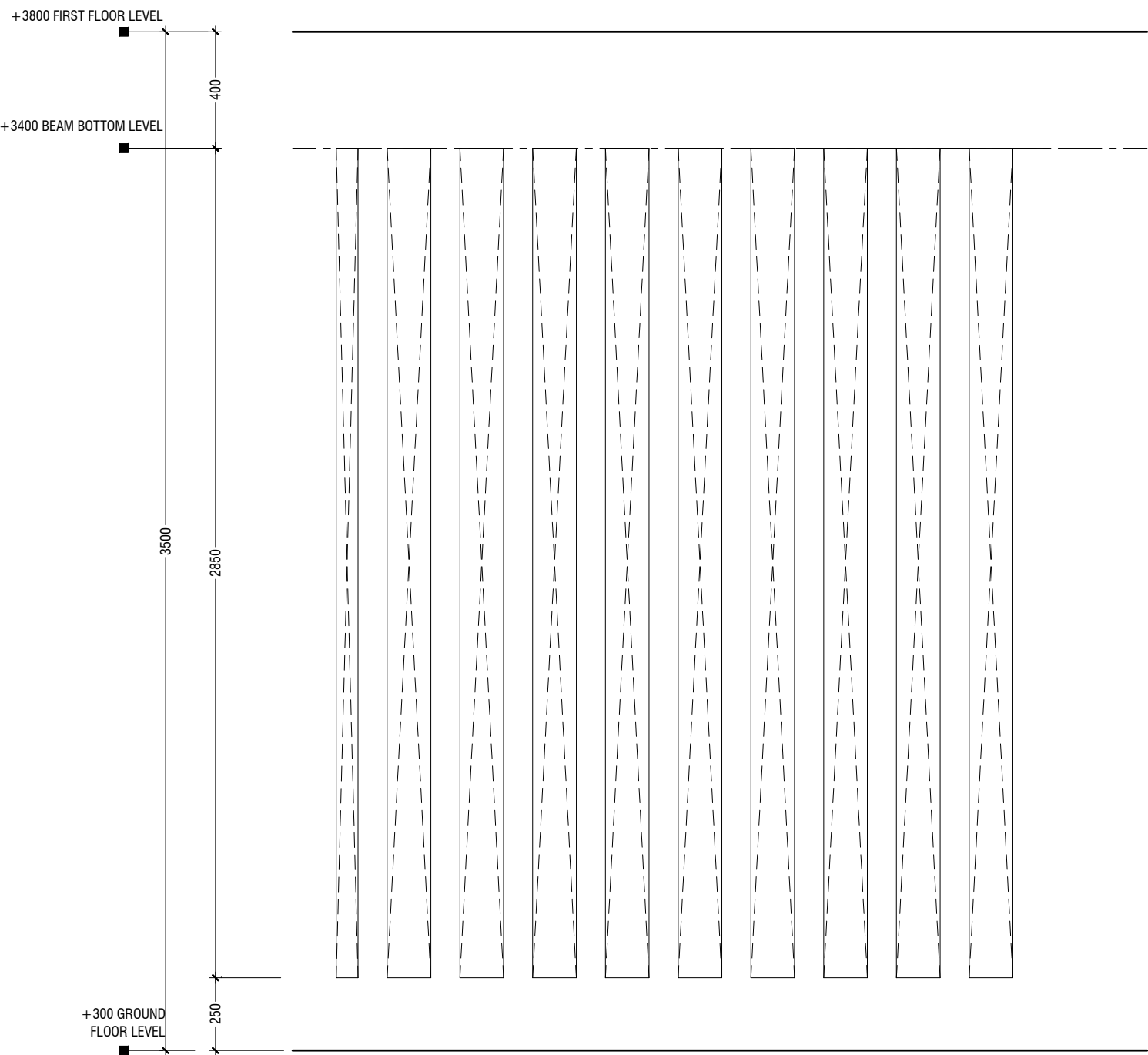
ELEVATION - B

SCALE 1:20



SECTION B-B

SCALE 1:20



ELEVATION - C

SCALE 1:20

DETAIL - 2 (RC FIN DETAILS)

SCALE 1:20



## TYPICAL TOILET PLAN

**SCALE 1:50**



## SECTION A1-A1

**SCALE 1:50**



## SECTION A2-A2

SCALE 1:50




## COUNTER TOP DETAILS

SCALE 1:20



**DETAIL - 3**

SCALE 1:50



0 0.25 0.5 1 1.5 2 2.5

SCALE 1:50



## TOILET FOR PERSONS WITH DISABILITIES PLAN

**SCALE 1:50**



NOTE:  
ALL THE MATERIALS FOR FIXTURES SHALL BE APPROVED  
BY THE ARCHITECT/CONSULTANT BEFORE INSTALLATION

GRAB BARS OF THE DISABLE TOILET SHALL BE AS PER MANUFACTURE'S DETAIL

## SECTION B1-B1

SCALE 1:5



## SECTION B2-B2

SCALE 1:50



## SECTION B3-B3

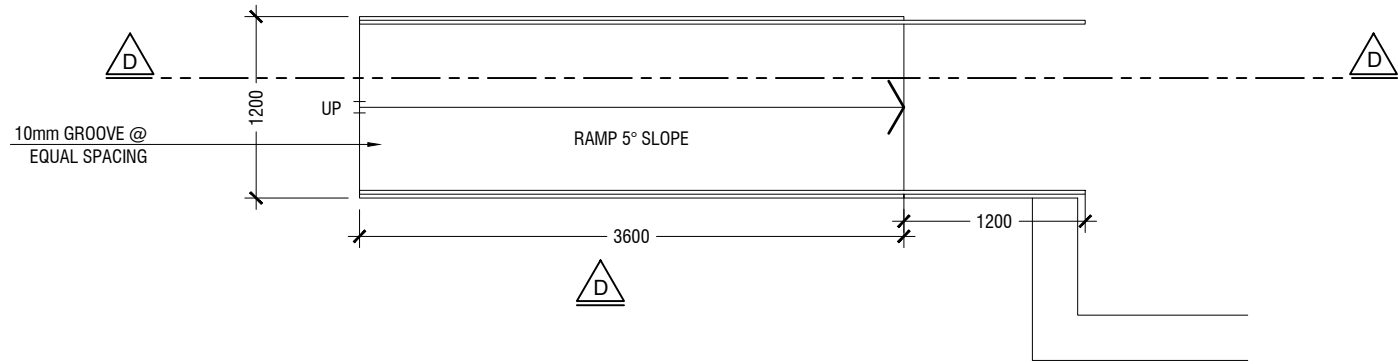
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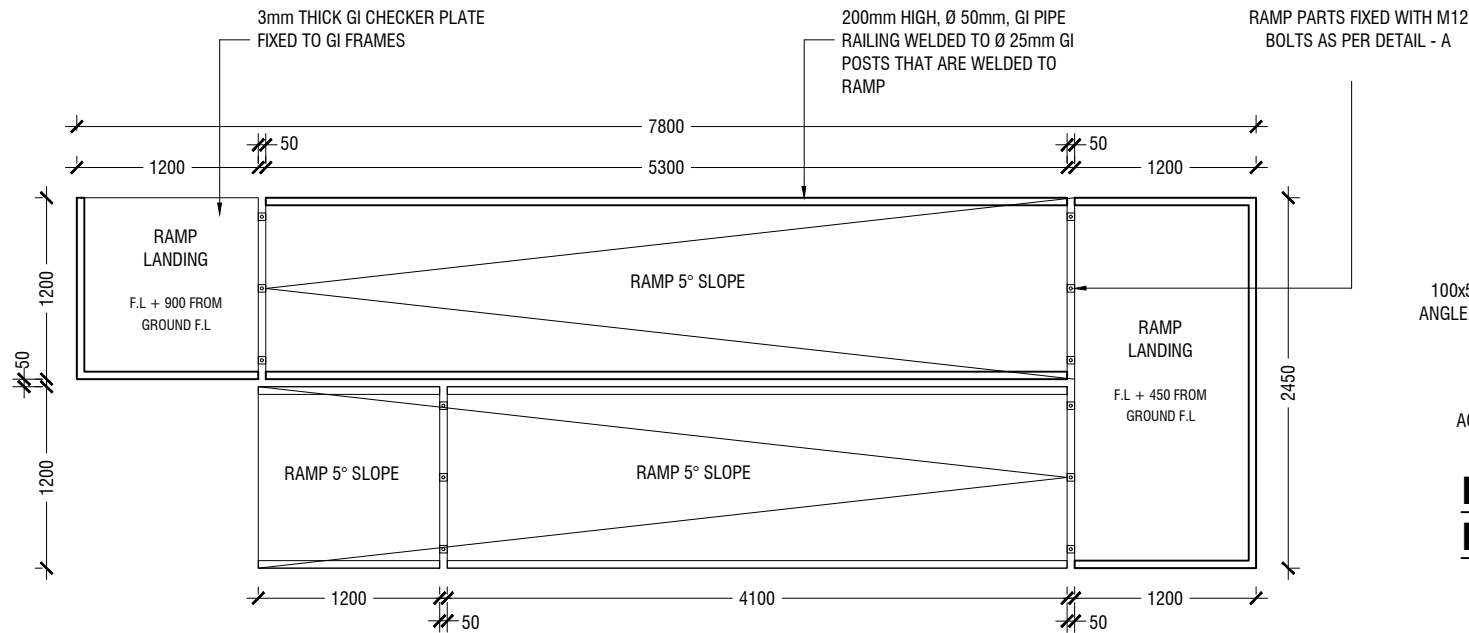
### DETAIL - 4

SCALE 1:50

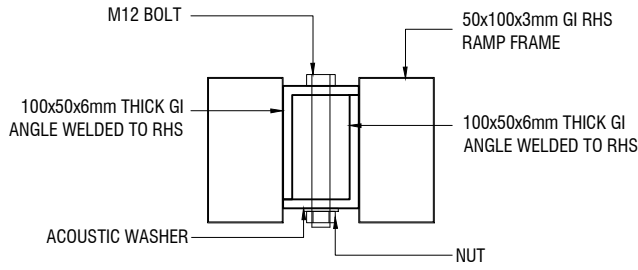




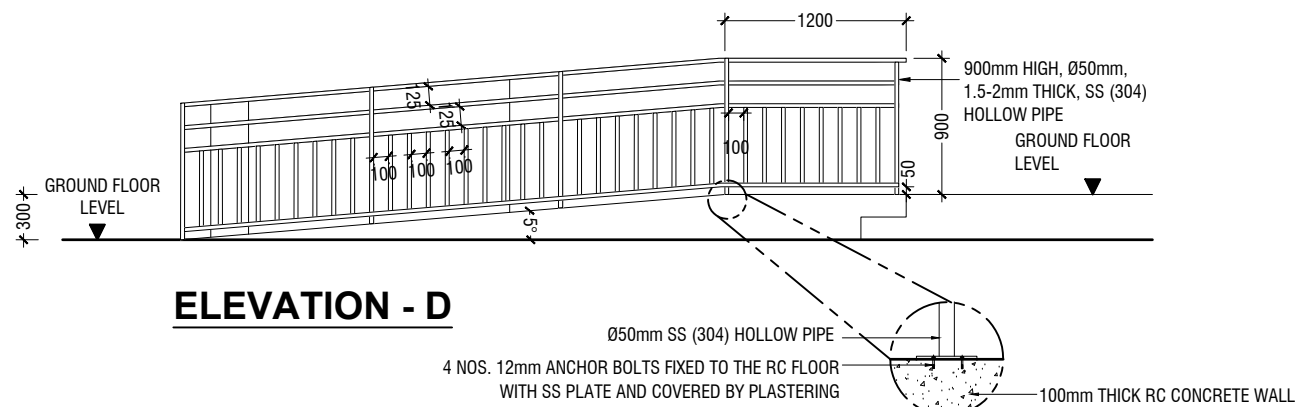
**BUILDING ENTRANCE RAMP PLAN**



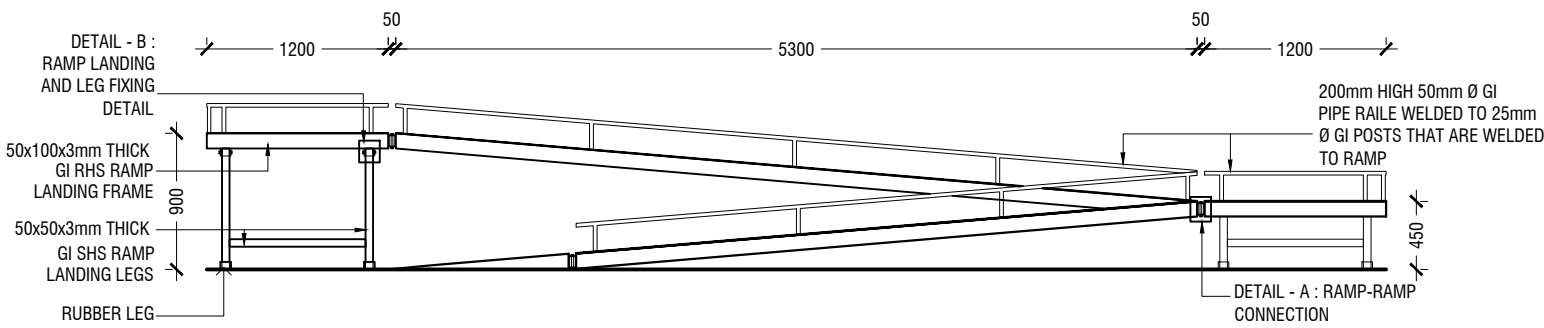
**STAGE RAMP PLAN**



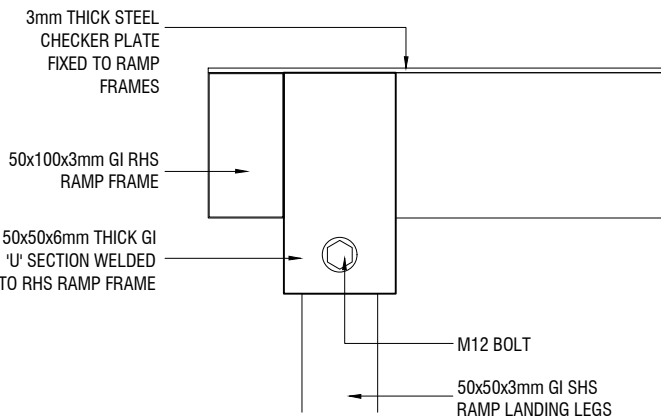
**DETAIL - A  
RAMP - RAMP CONNECTION DETAIL**



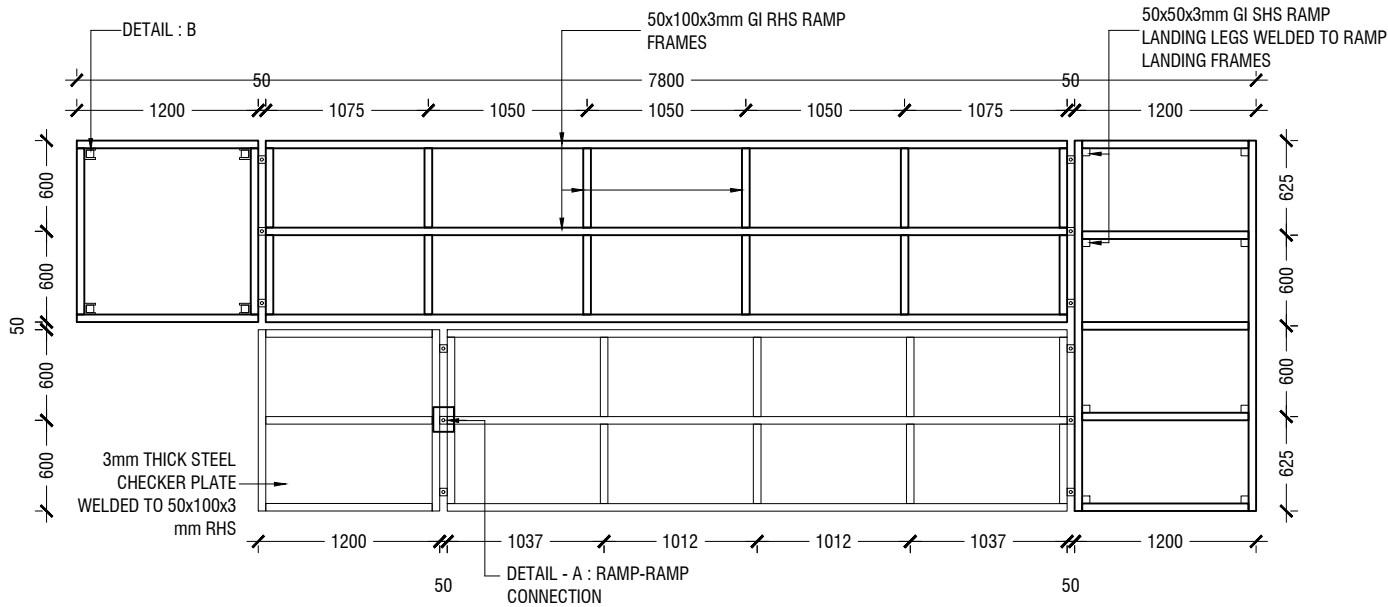
**ELEVATION - D**



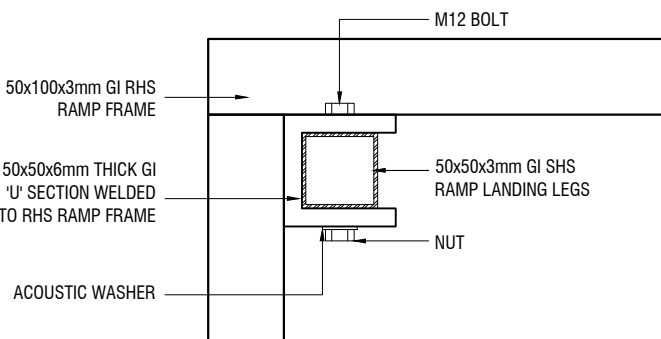
**STAGE RAMP - ELEVATION**



**ELEVATION**

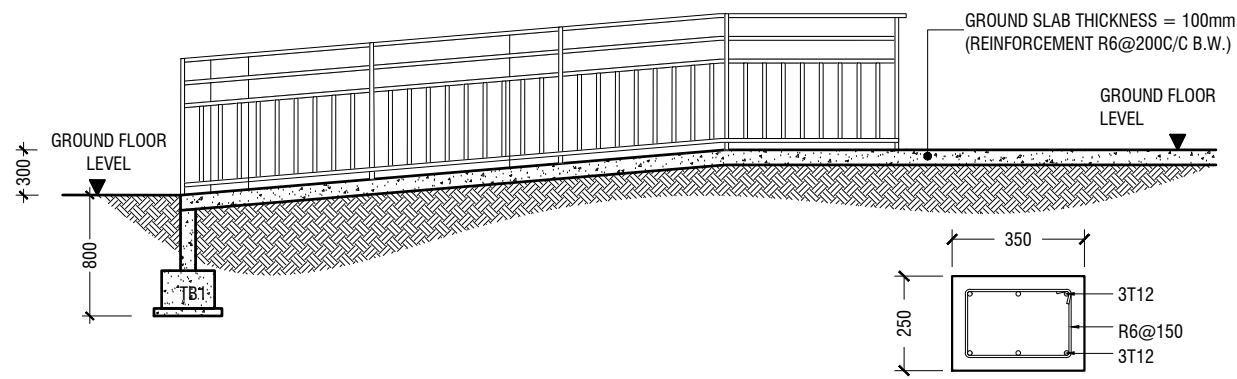


**STAGE RAMP - FRAMING PLAN**

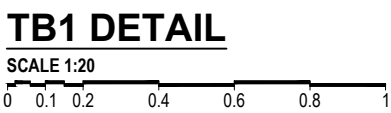


**PLAN VIEW**

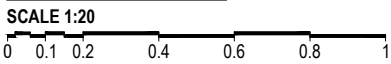
**DETAIL B :  
RAMP LEG FIXING DETAIL**



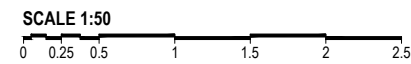
**SECTION D-D**



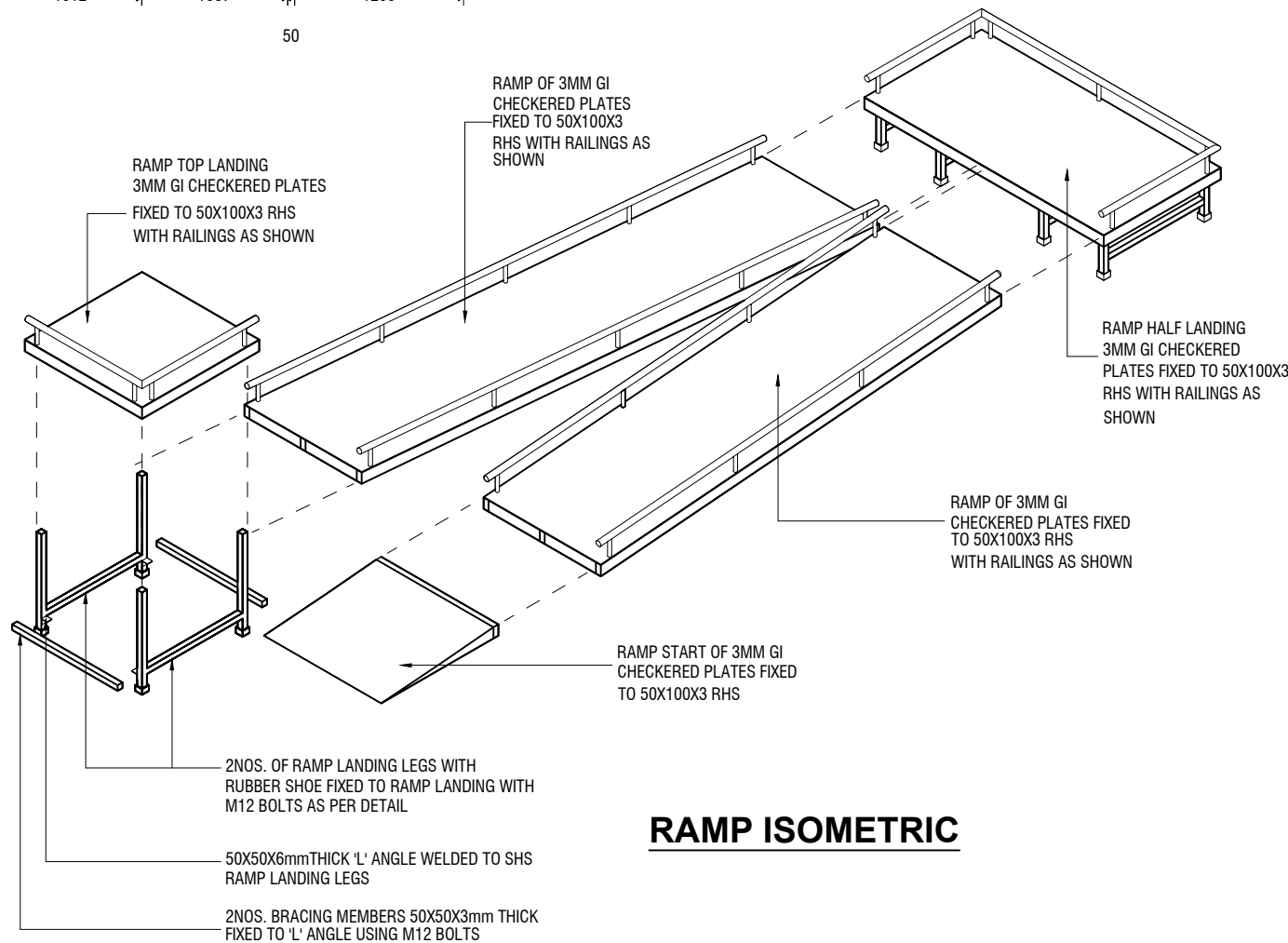
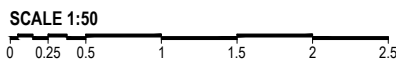
**TB1 DETAIL**



**DETAIL - 5 (MAIN ENTRANCE RAMP DETAIL)**

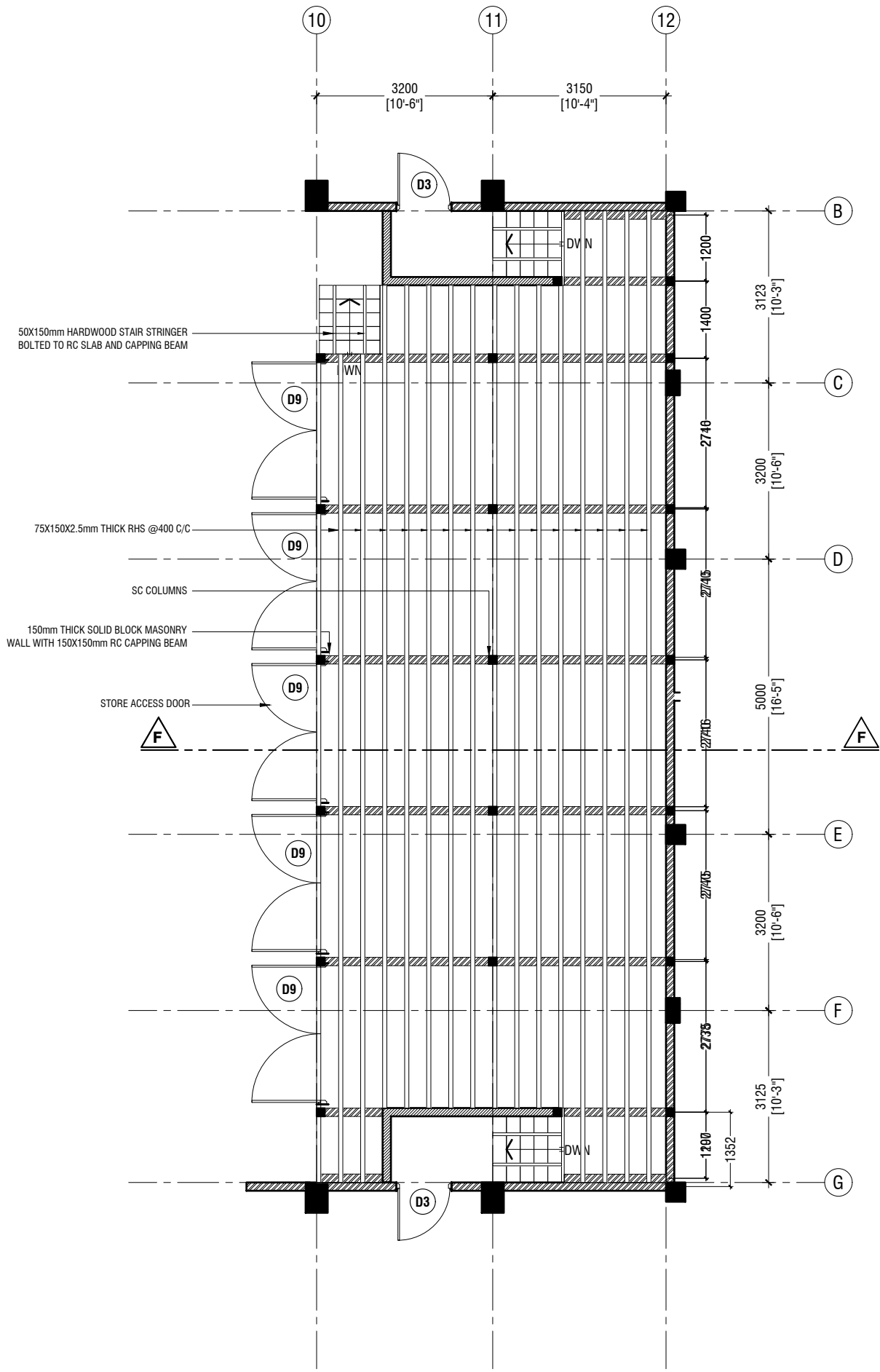


**DETAIL - 5 (STAGE RAMP DETAIL)**



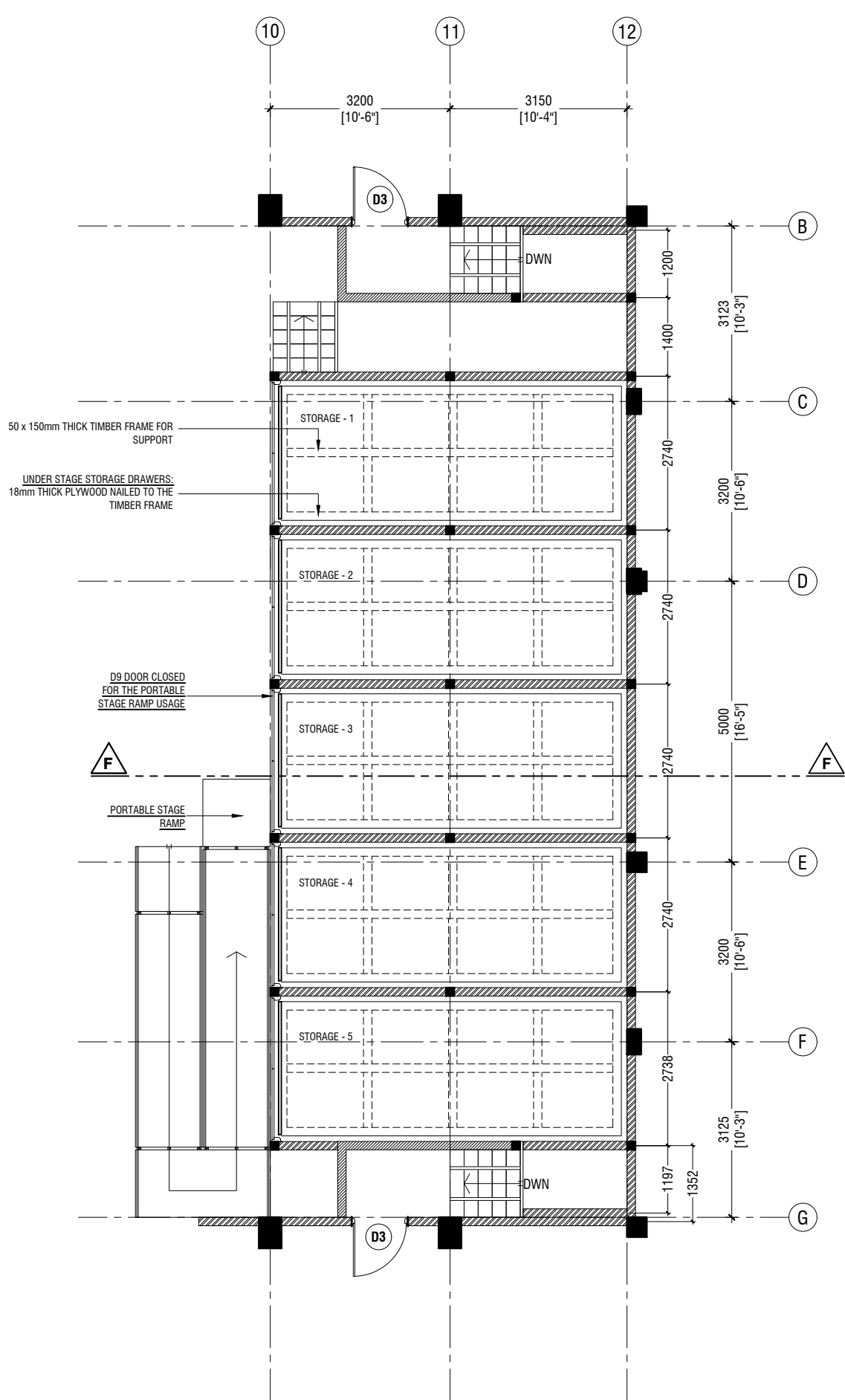
**RAMP ISOMETRIC**

**DETAIL - 7**  
**STAGE DETAIL**  
SCALE 1:100



**STAGE FRAMING PLAN**

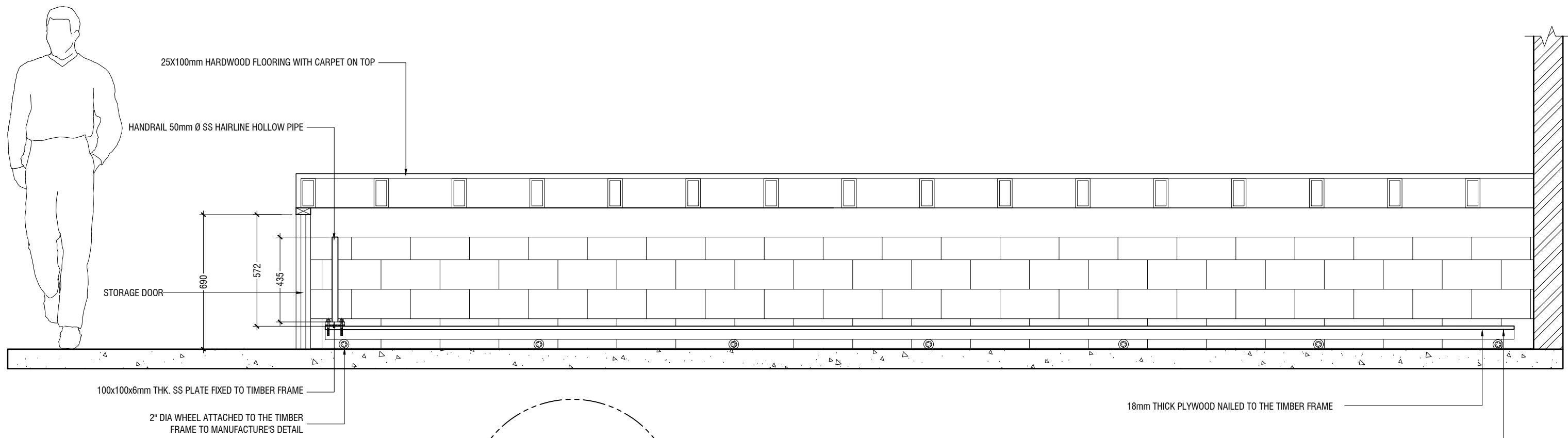
SCALE 1:100



**STAGE DRAWERS PLAN**

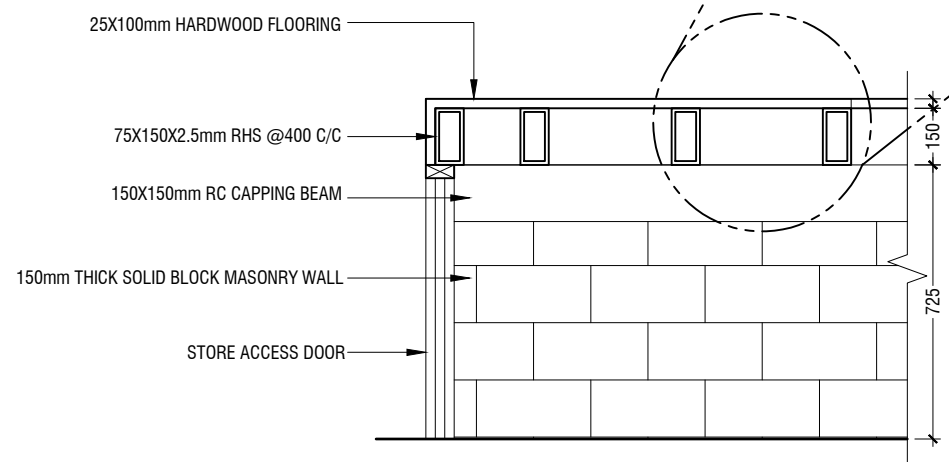
SCALE 1:100





## SECTION F-F

SCALE 1:20



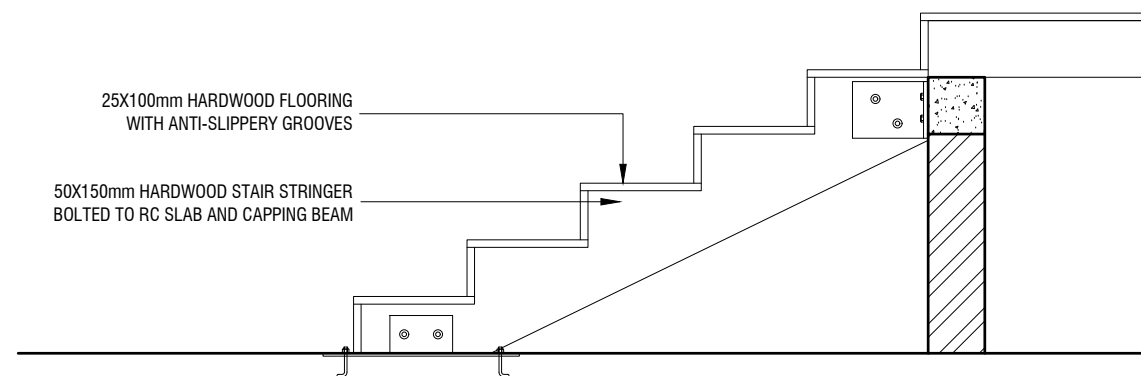
## SECTION F-F

SCALE 1:20



## STAGE DETAILS

SCALE 1:100



## STAIR DETAIL

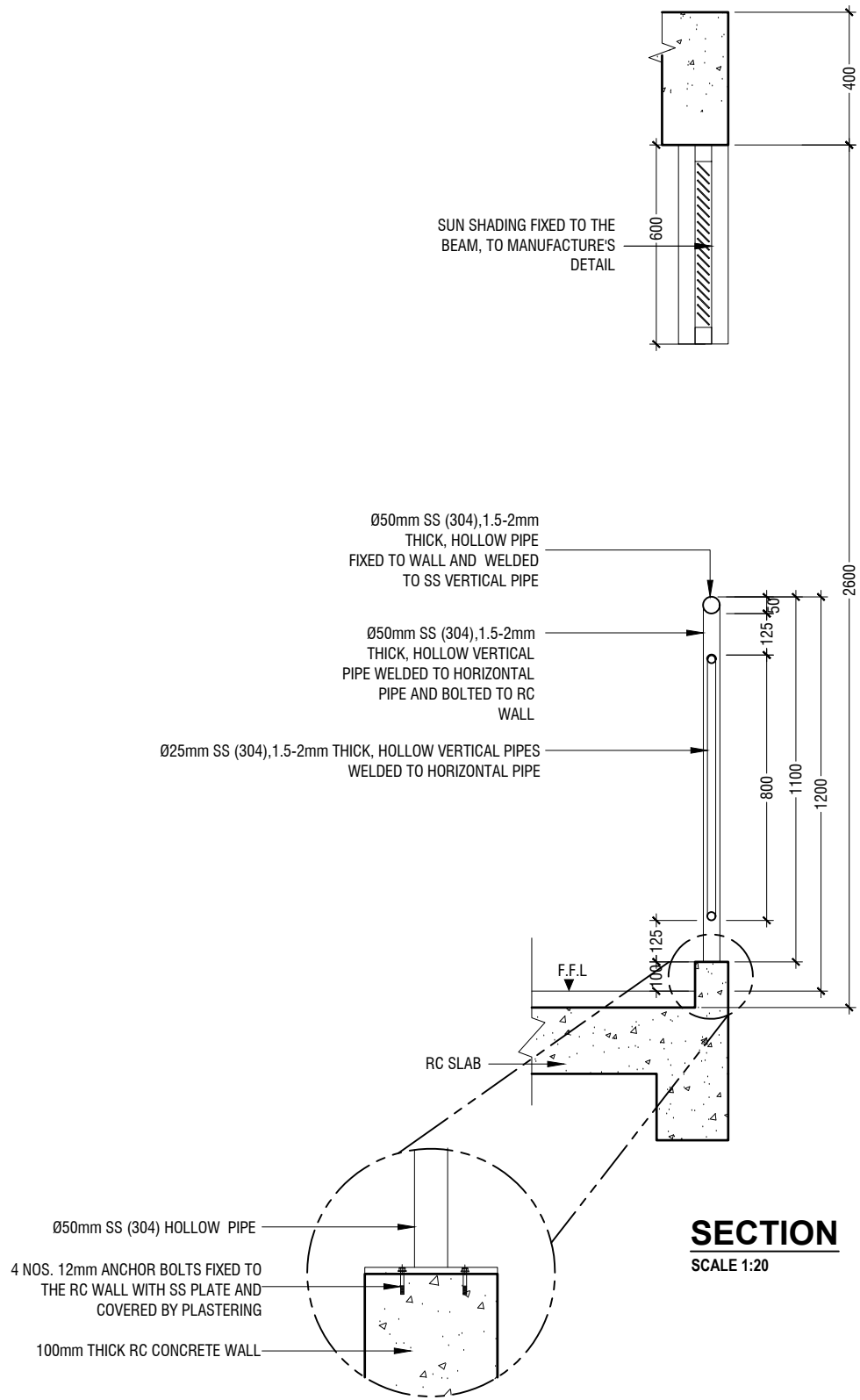
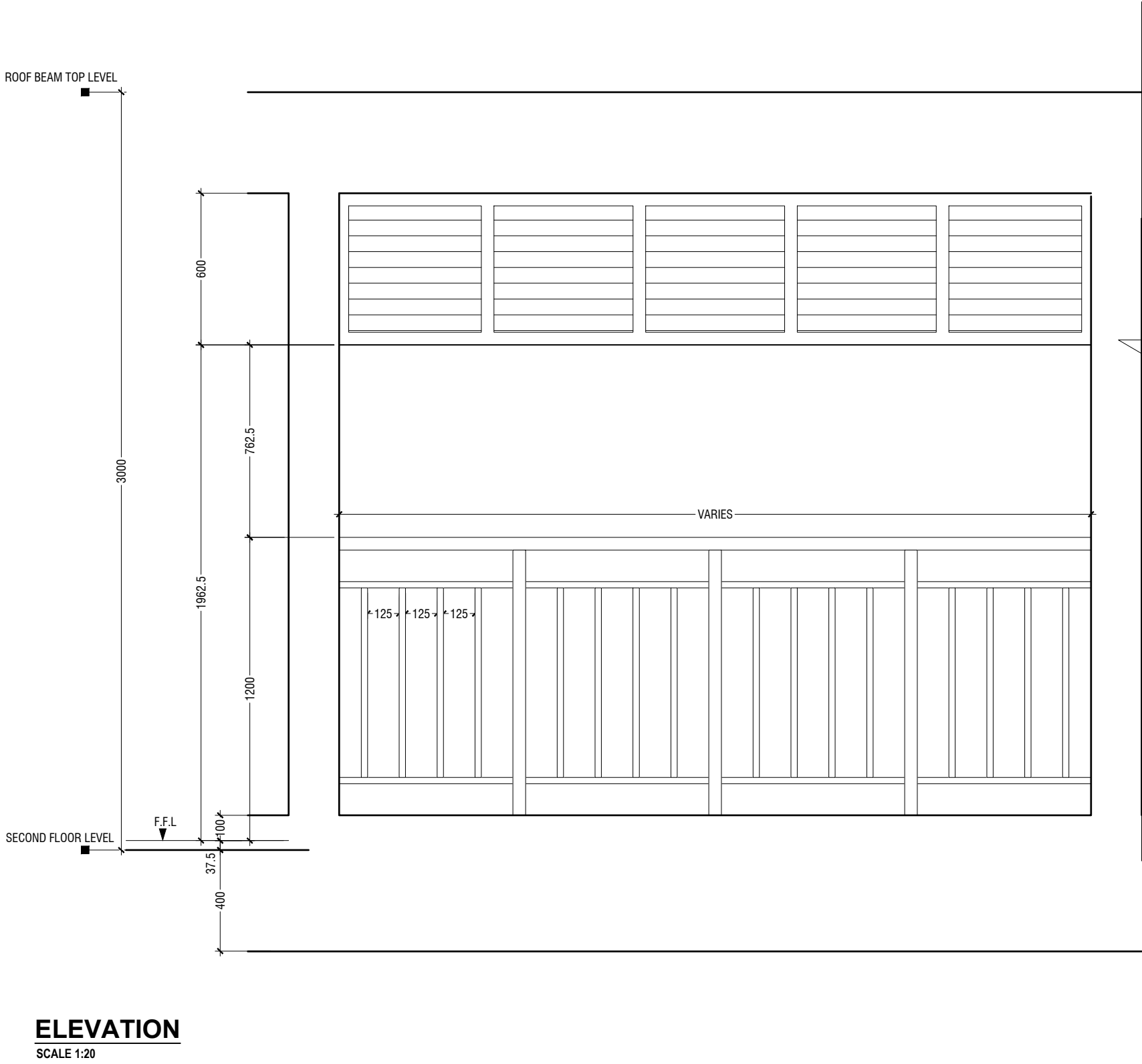
SCALE 1:20



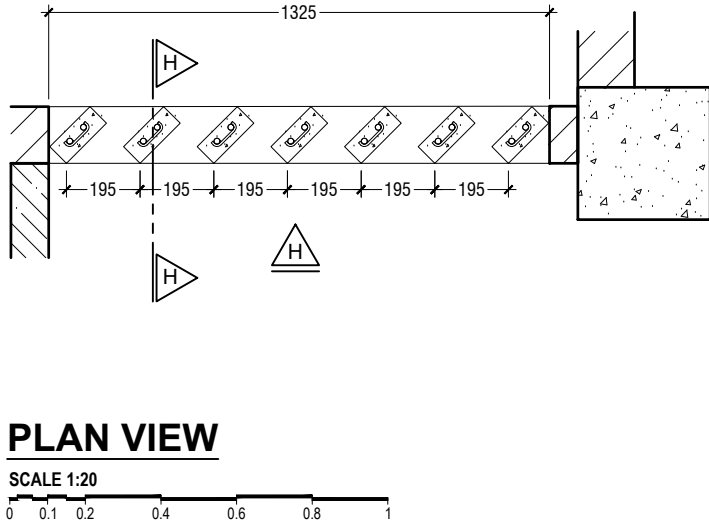
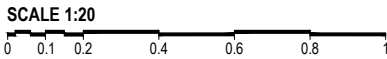




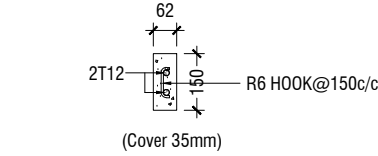
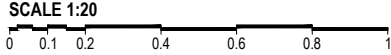
DETAIL - 9 (SECOND FLOOR BALCONY RAILING DETAIL)



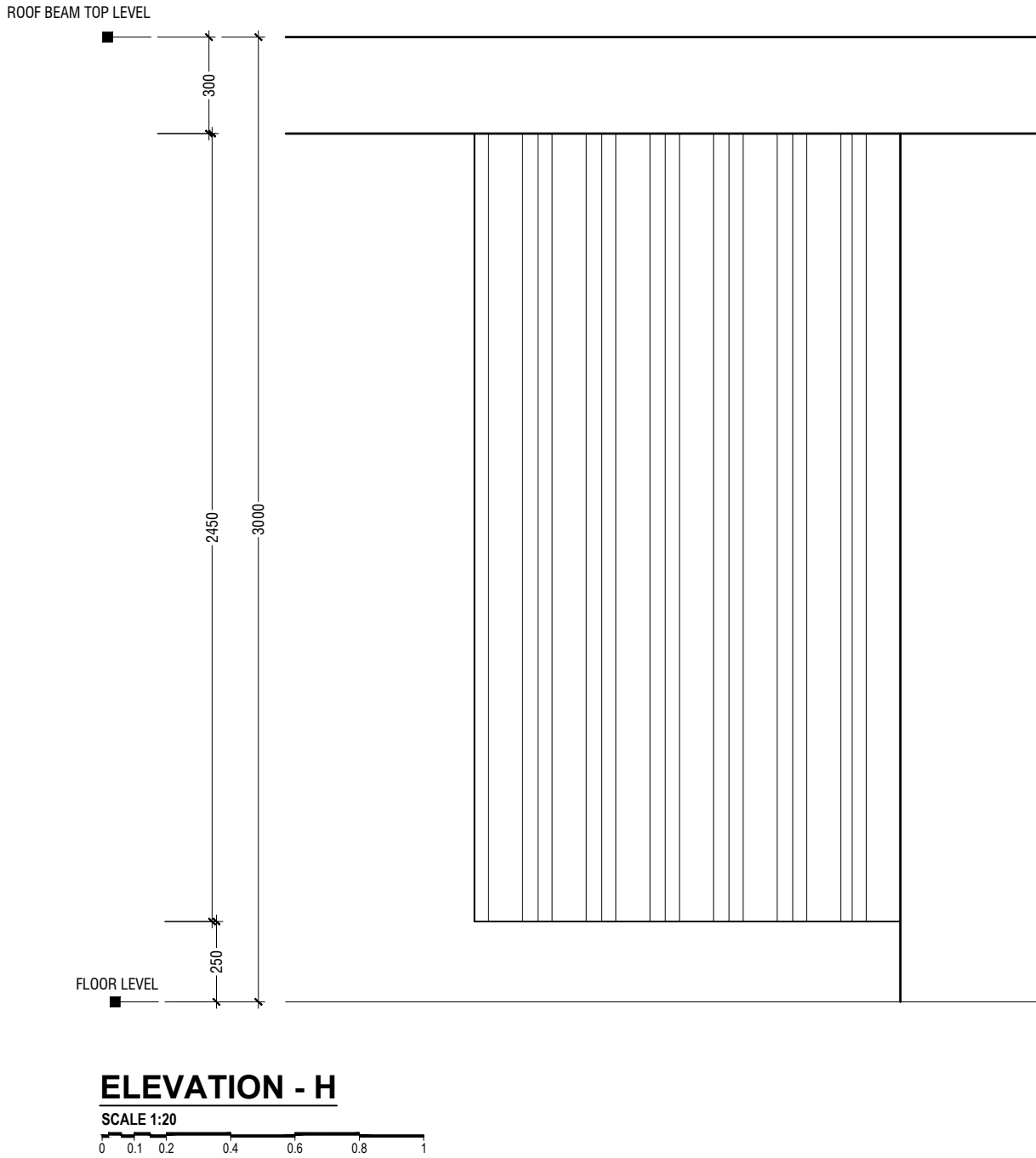
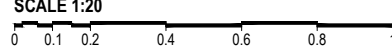
DETAIL - 10 (RC FINS DETAIL @ SECOND FLOOR TOILET)



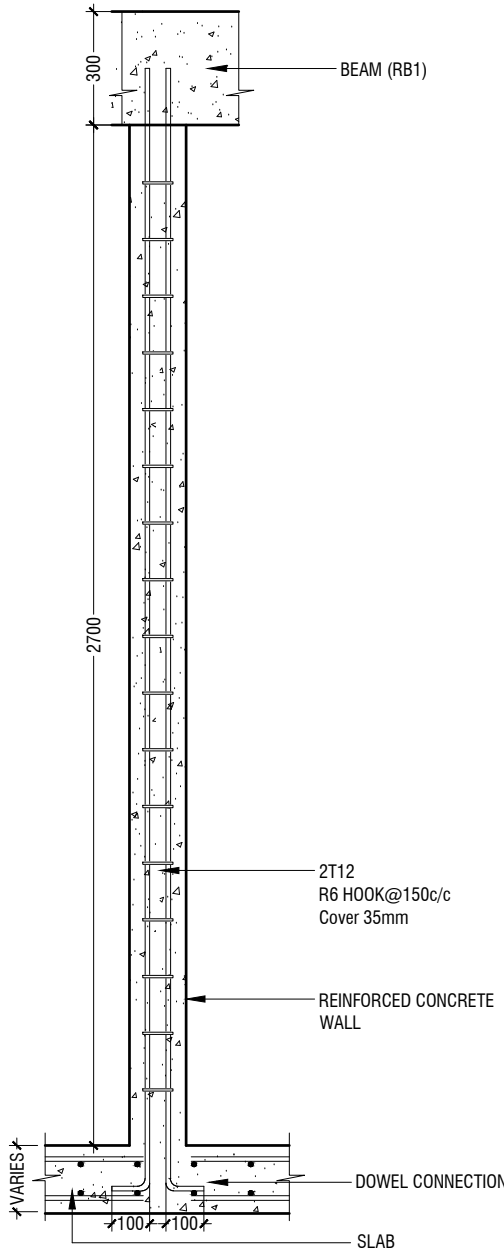
PLAN VIEW



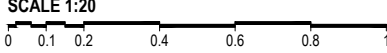
RC FIN DETAIL

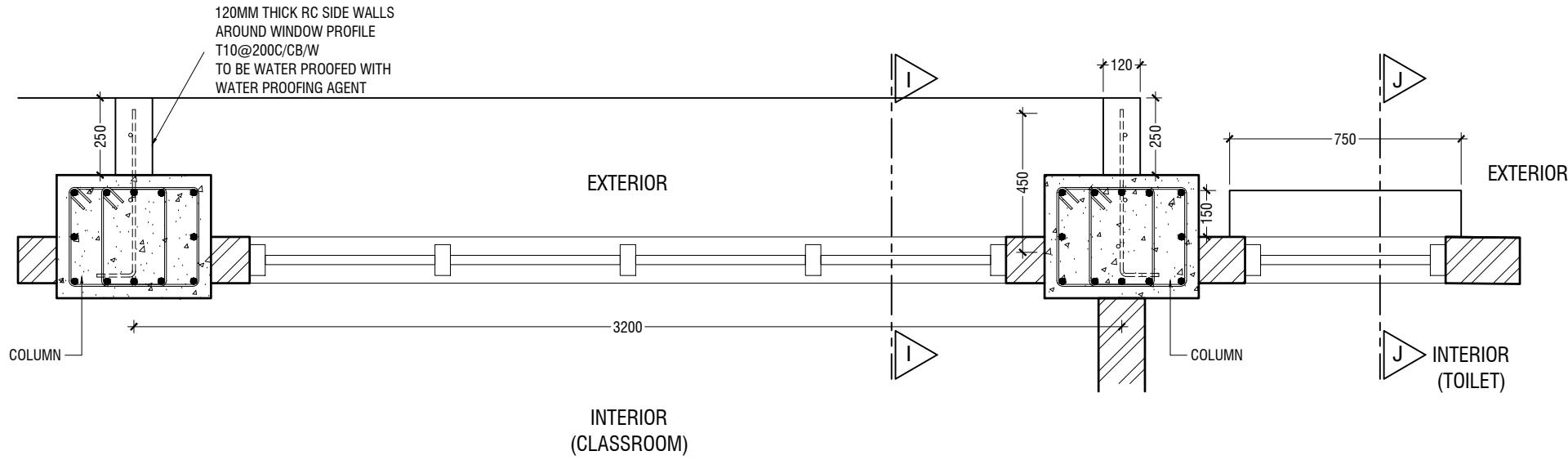


ELEVATION - H



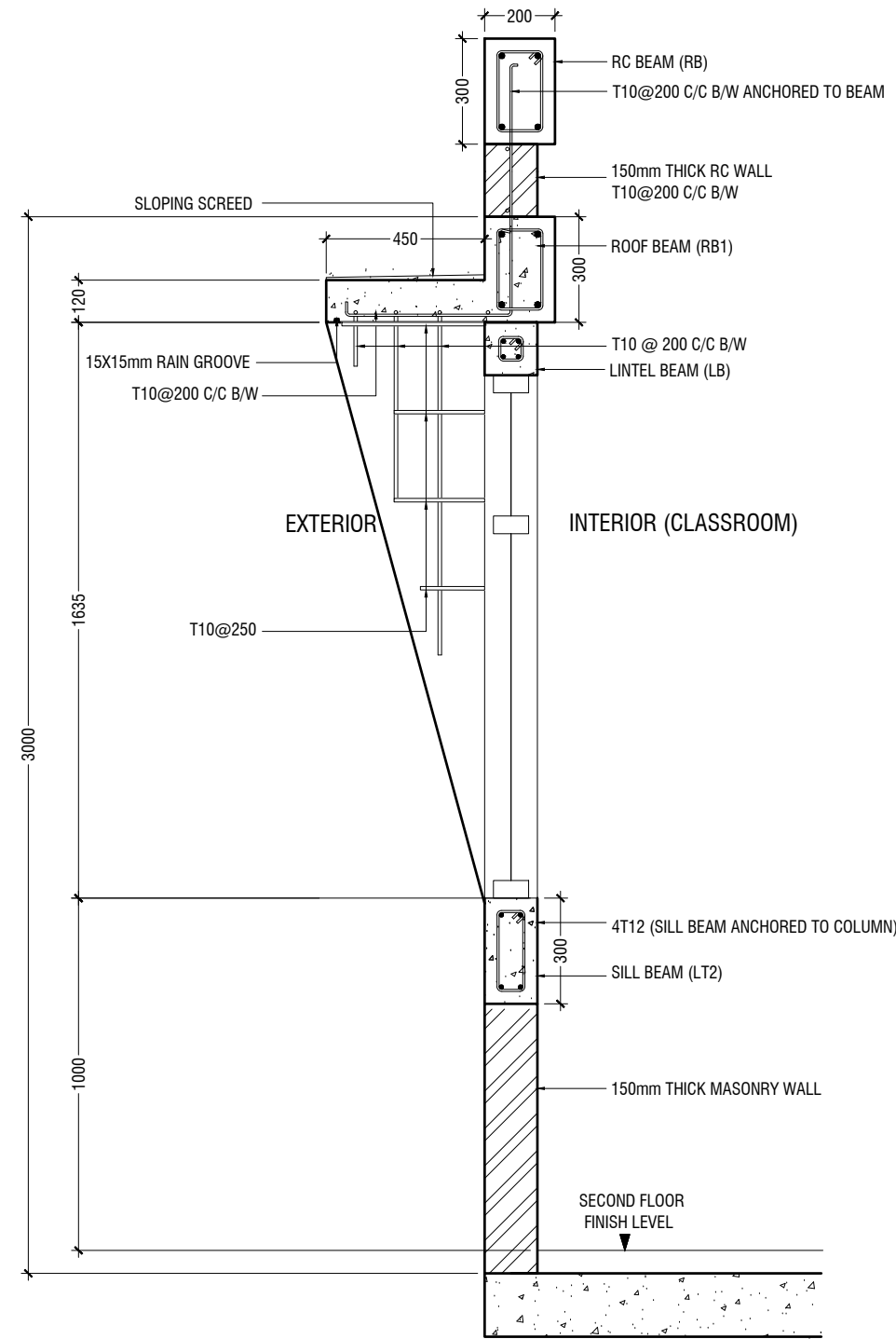
SECTION H-H





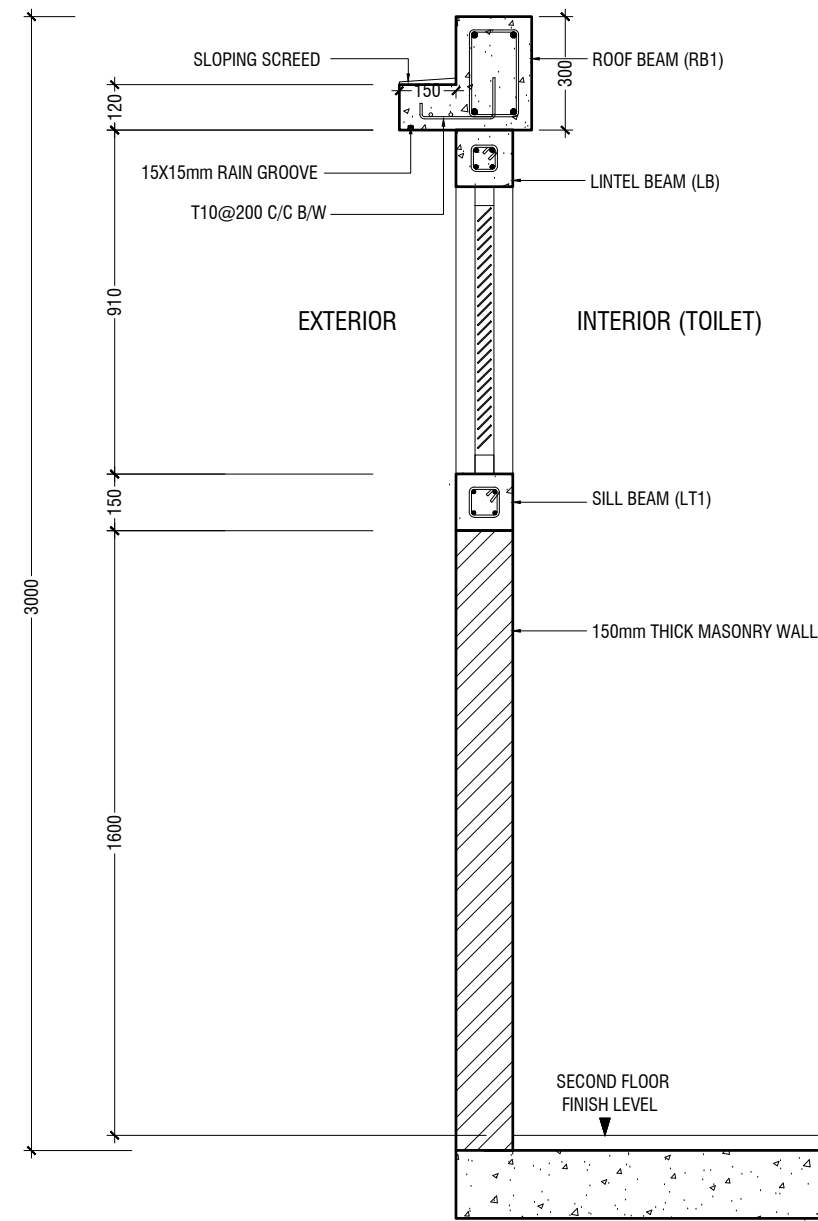
**PLAN VIEW**

SCALE 1:20



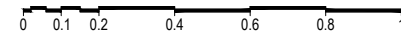
**SECTION I-I**

SCALE 1:20



**SECTION J-J**

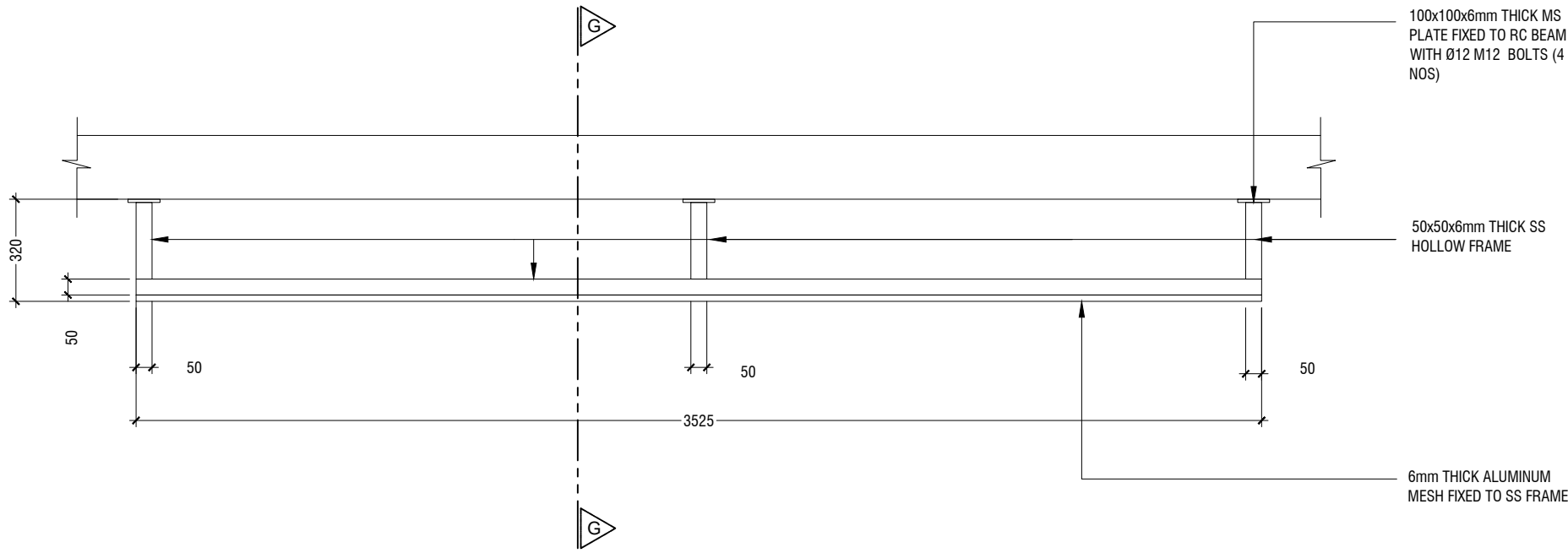
SCALE 1:20



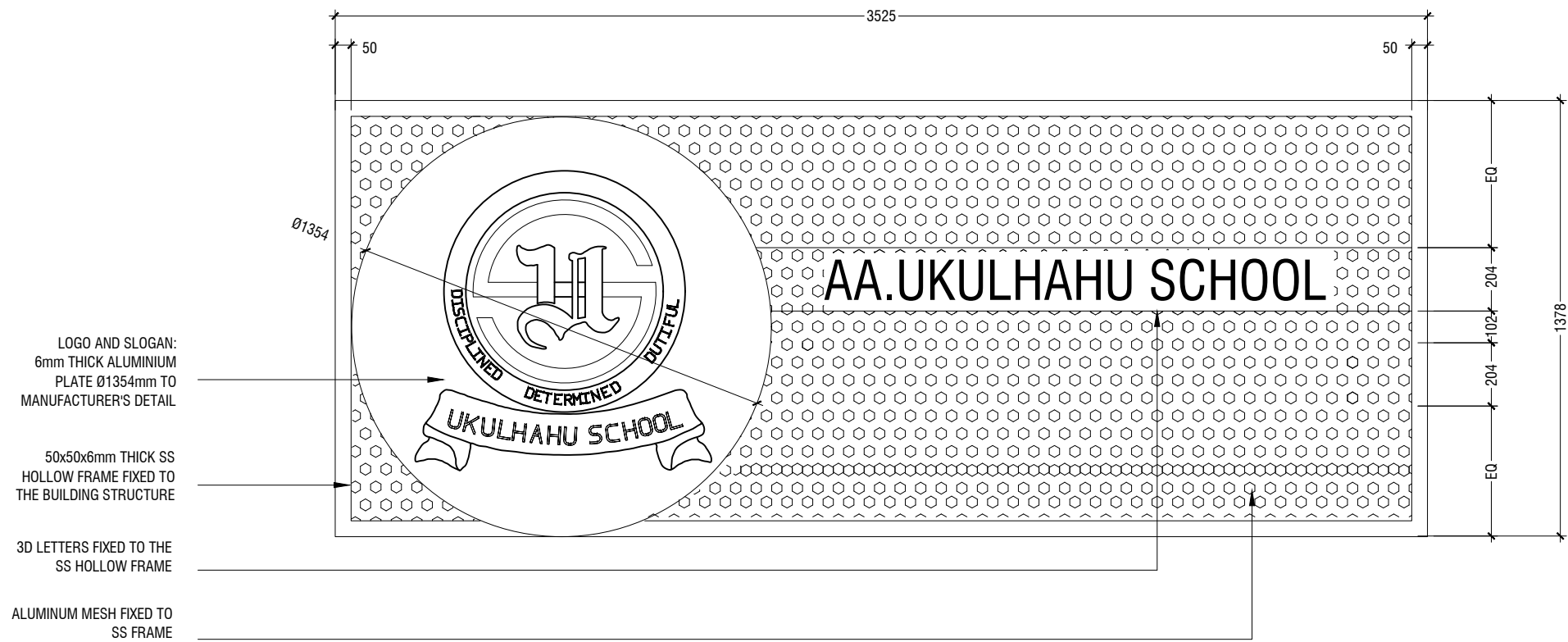
**DETAIL - 11 (RC WALL DETAIL)**

SCALE 1:20





## PLAN



## ELEVATION

NOTE: IN SELECTING COLOR SHADES, REFER TO THE OFFICIAL COLOR THEME OF AA.UKULHAS SCHOOL

### DETAIL - 12 (NAME BOARD DETAIL)

SCALE 1:20

0 0.1 0.2 0.4 0.6 0.8 1

Aa.Ukulhas School Multipurpose Hall & 8 Classroom  
Client: Ministry of Education

Rev no	Date
1	-----
2	-----
3	-----
4	-----
5	-----
6	-----
7	-----
8	-----
9	-----
10	-----

Project Number: R/2320/006  
Architect: Fahimath Leena Jaleel  
Engineer: Mohamed Muhtashib Waleed  
Drawn by: Fahimath Leena Jaleel  
Services: Ashraf Ahmed



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3rd floor, H. Azam, Ammeenemogau, Male'

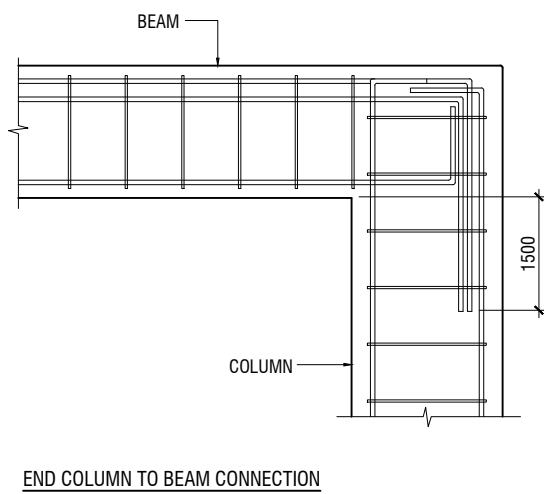
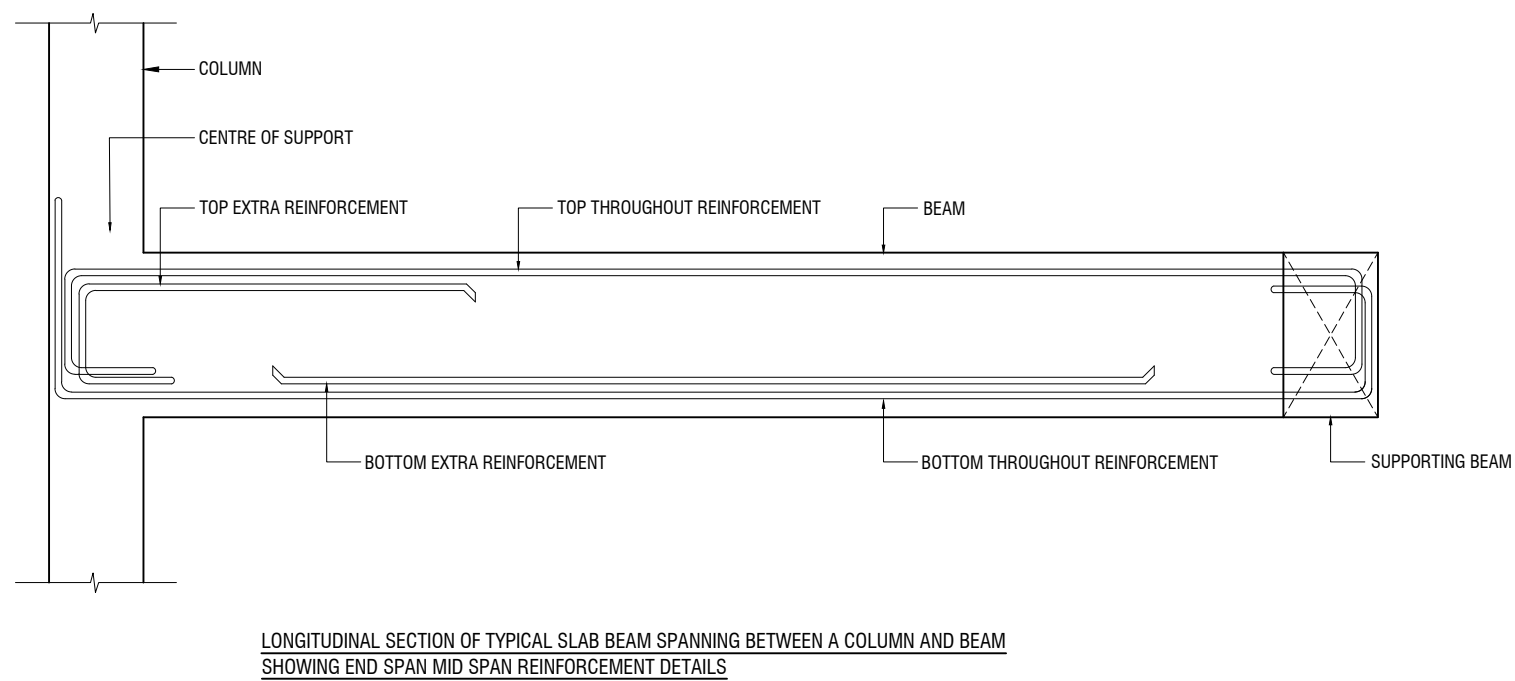
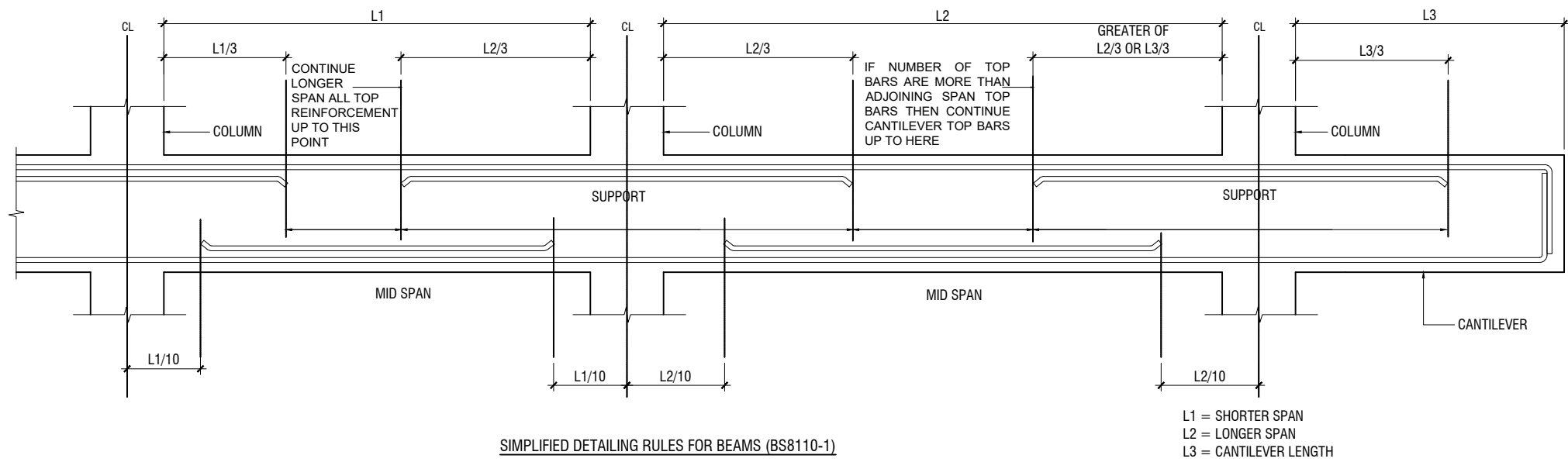
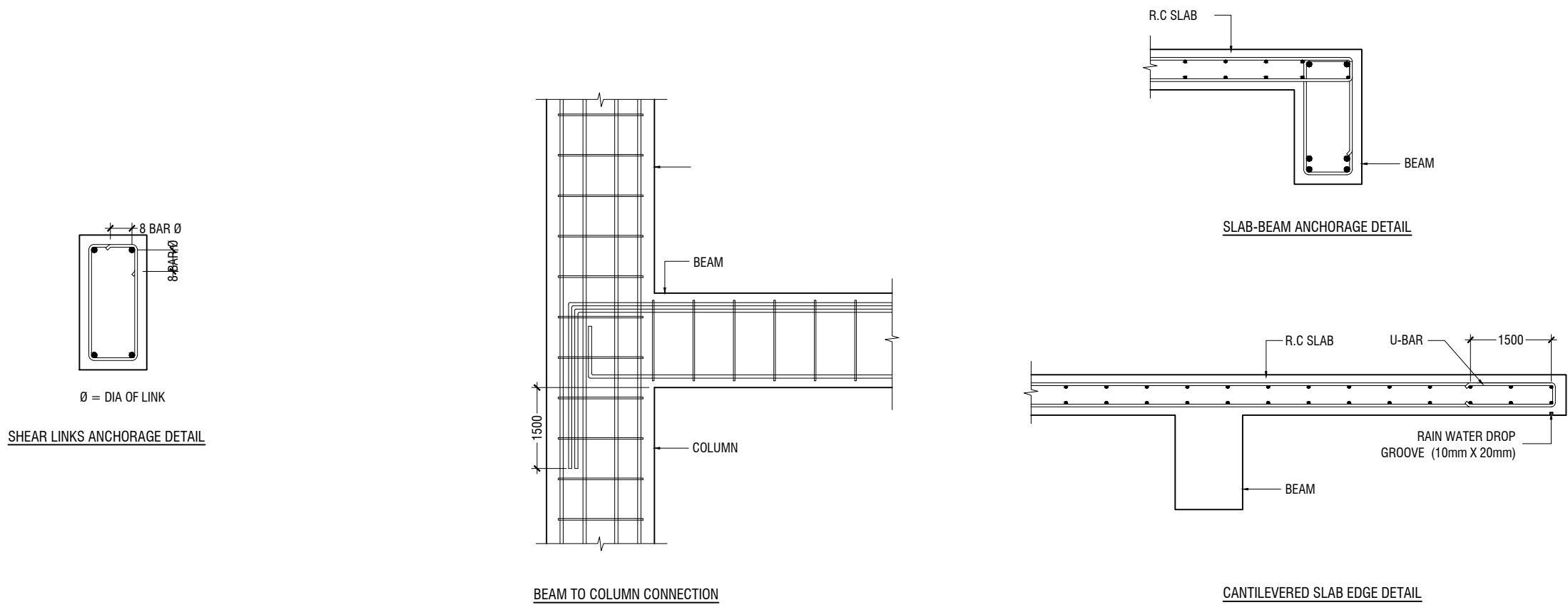
Title: Detail - 12

Page: A-27/27

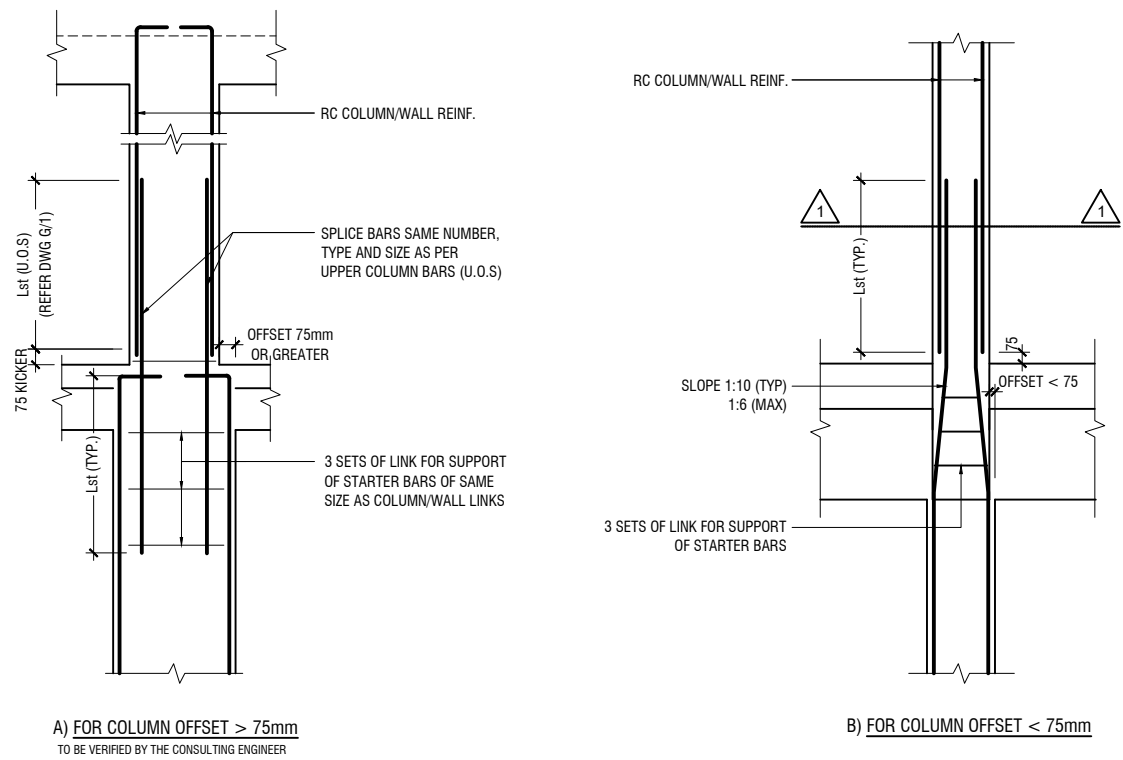
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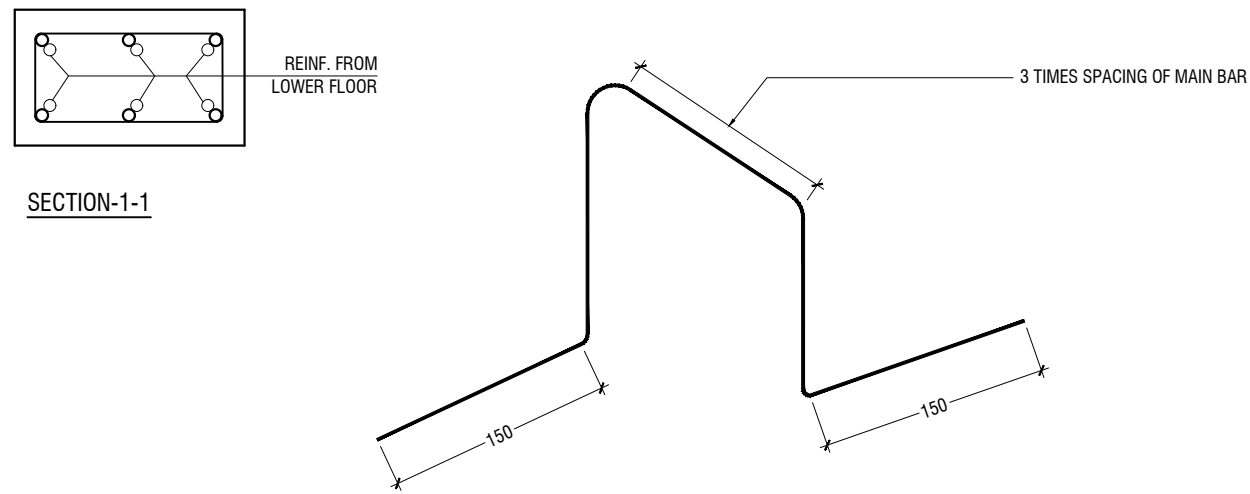




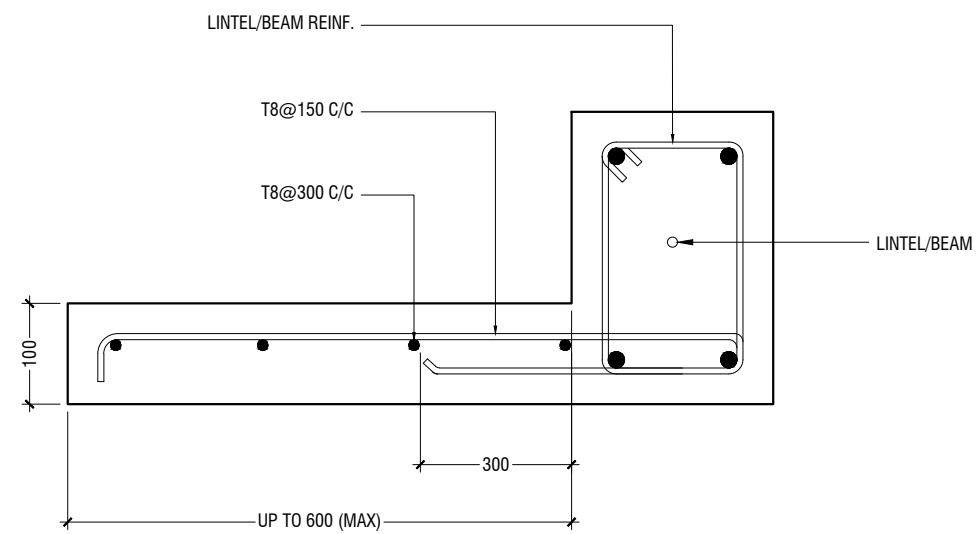
NOTE:  
STANDARD DETAILS GIVEN HERE ALSO APPLIES TO FOUNDATION MEMBERS  
OTHER DETAILS NOT FOUND HERE SHALL BE REFERRED TO IN RELEVANT BS  
CODES OR SHALL BE APPROVED BY CLIENT'S ENGINEER



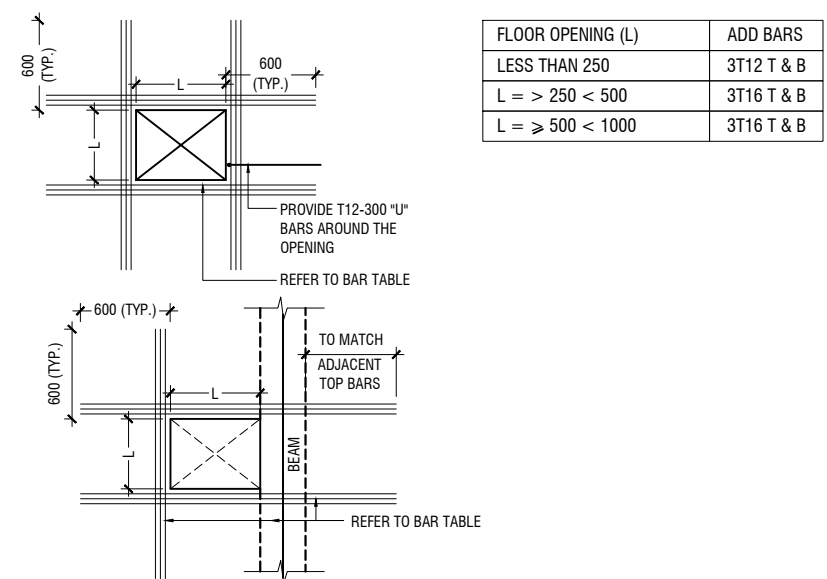
COLUMN/WALL REINF. LAPPING DETAIL AT FLOOR LEVEL



TYPICAL CHAIR DETAIL

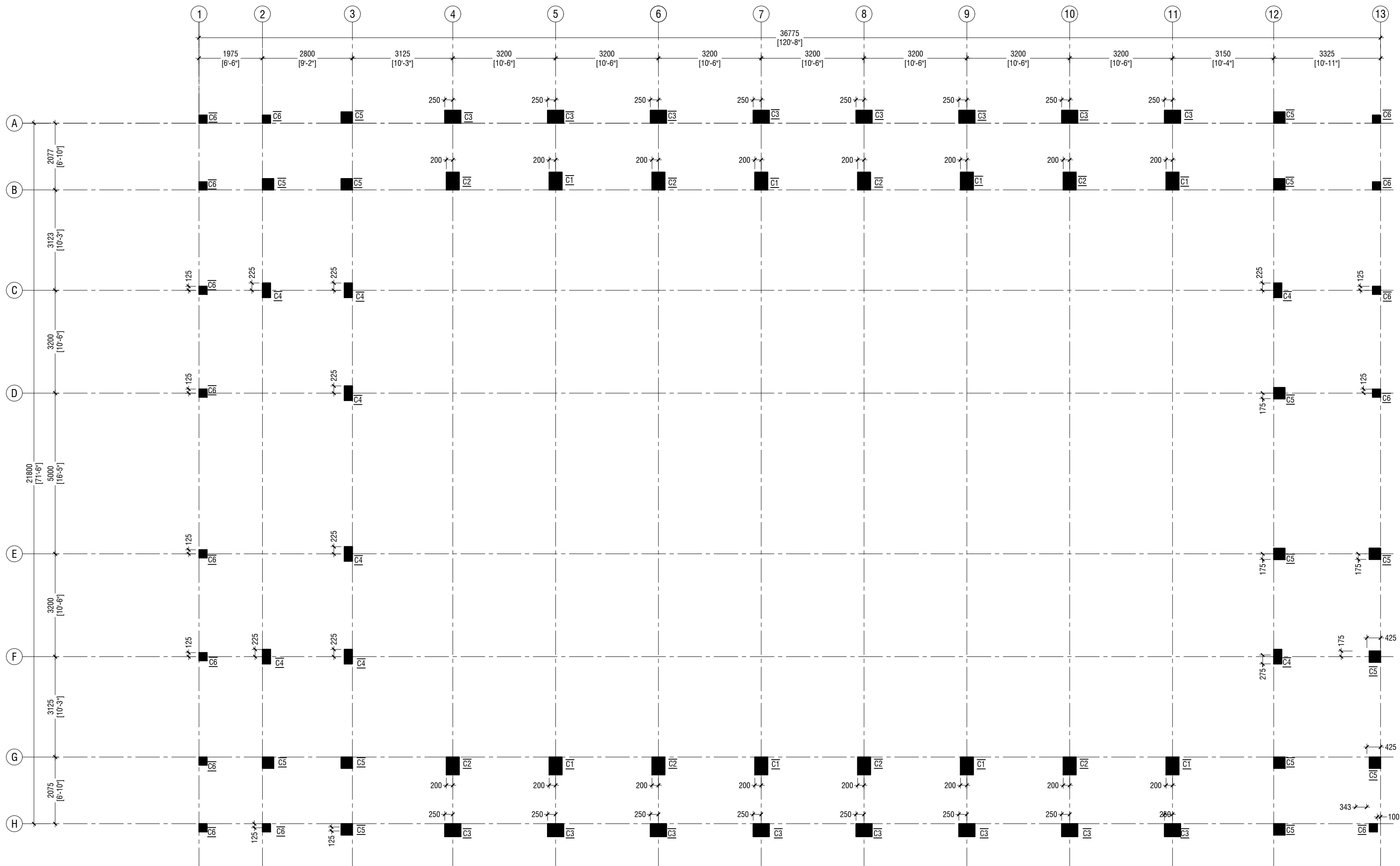


TYPICAL CANTILEVER DETAILS

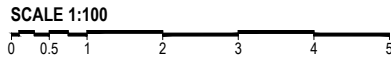


- NOTE:-
1. FOR OPENINGS LESS THAN 200x200. SLAB REBARS TO BE ADJUSTED AROUND OPENING.
  2. FOR OPENINGS GREATER THAN 250x250 TO BE APPROVED BY THE ENGINEER.
  3. ALL SLAB OPENINGS LOCATION TO BE APPROVED BY THE ENGINEER.
  4. EQUIVALENT OPENING AREA SHALL APPLY THE DETAILS SHOWN ABOVE.
  5. EQUIVALENT OPENING AREA SHALL INCLUDE RECTANGLE, TRIANGLE AND ANY POLYGON SHAPE.
  6. EXCEPT HACKING, NO SLAB CORING ARE ADVISABLE FOR POST-TENSIONED SLAB.

TYPICAL TRIMMER BARS DETAILS FOR OPENING IN SLABS



GROUND FLOOR COLUMN LAYOUT PLAN



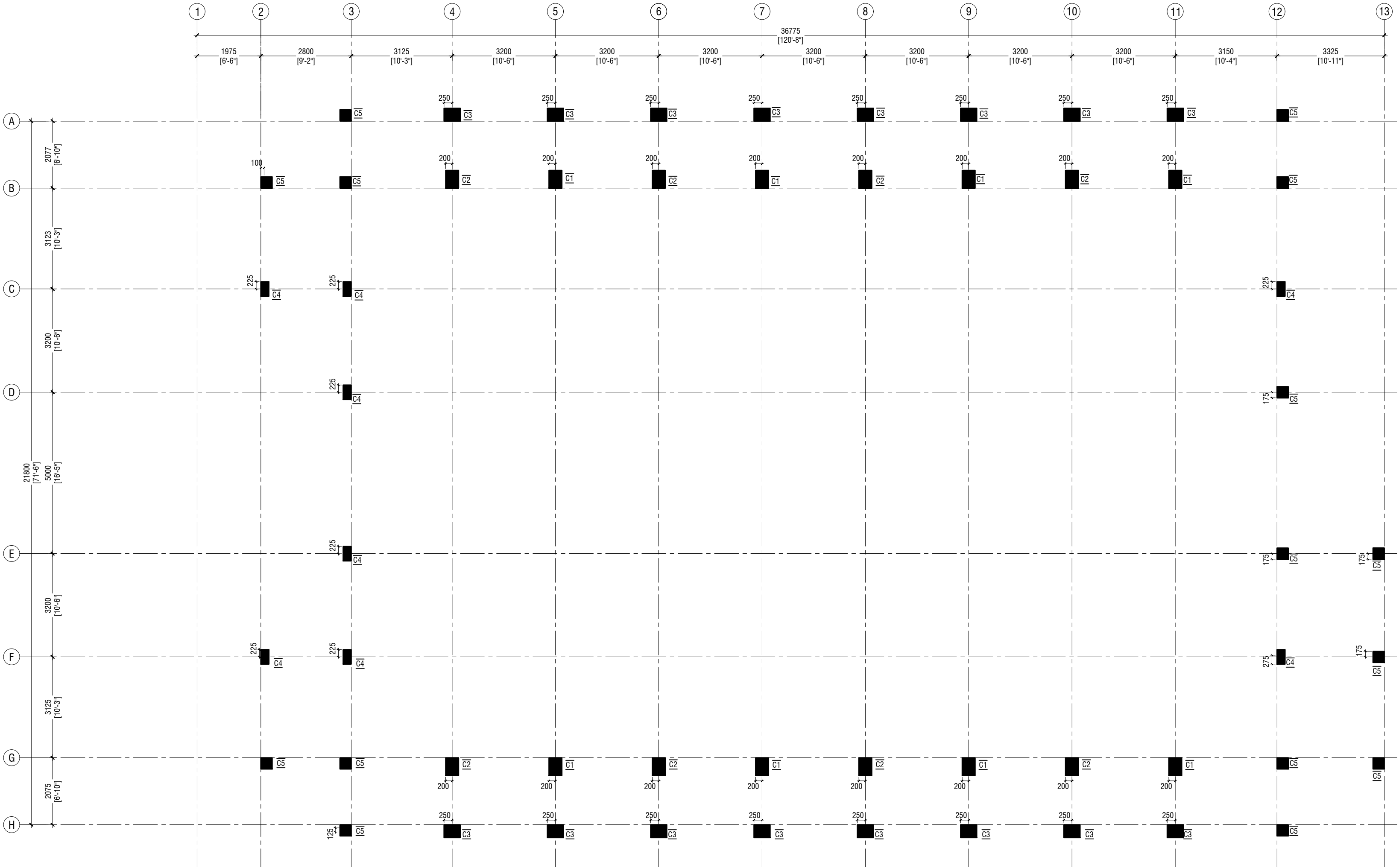
NOTE:

COLUMN SIZES

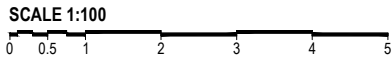
C1	: 400 x 550 mm
C2	: 400 x 550 mm
C3	: 400 x 500 mm
C4	: 250 x 450 mm
C5	: 350 x 350 mm
C6	: 250 x 250 mm
C7	: 200 x 200 mm
SC	: 150 X 150 mm
COVER	: 40mm







FIRST FLOOR COLUMN LAYOUT PLAN



NOTE:

COLUMN SIZES	
C1	: 400 x 550 mm
C2	: 400 x 550 mm
C3	: 400 x 500 mm
C4	: 250 x 450 mm
C5	: 350 x 350 mm
C6	: 250 x 250 mm
SC	: 150 X 150 mm
COVER	: 40mm

Aa.Ukulhas School Multipurpose Hall & 8 Classroom  
Client: Ministry of Education

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

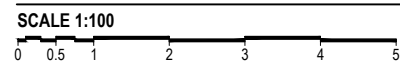
Project Number: R/2020/006  
Architect: Fahimath Leena Jaleel  
Engineer: Mohamed Muhtashib Waleed  
Drawn by: Fahimath Leena Jaleel  
Services: Aghath Ahmed



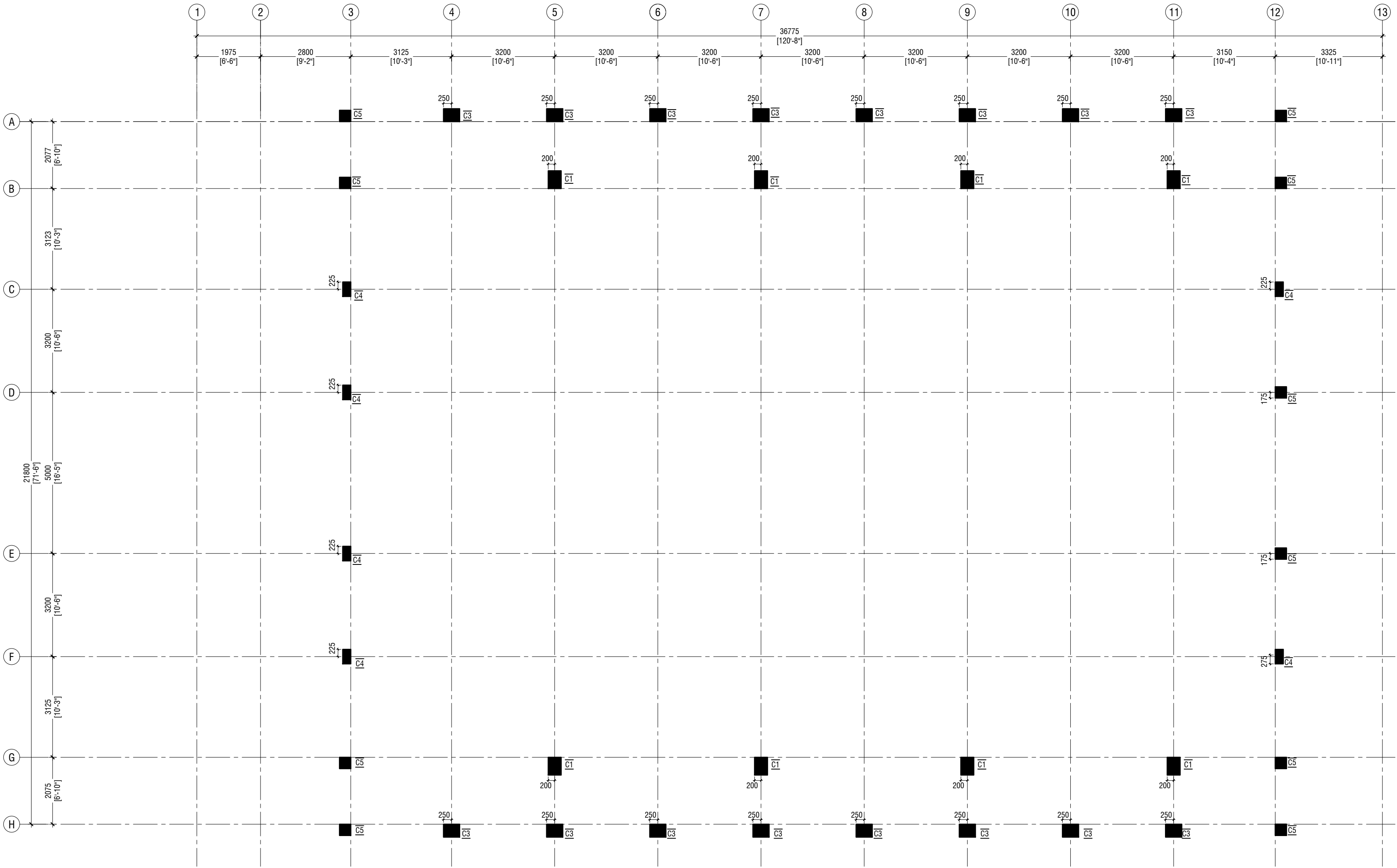
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3rd floor, H. Azam, Ammeenemogga, Male'

Title: First Floor Column Layout Plan  
Page: S-05/21

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<b>COLUMN SIZES</b>	
C1	: 400 x 550 mm
C2	: 400 x 550 mm
C3	: 400 x 500 mm
C4	: 250 x 450 mm
C5	: 350 x 350 mm
C6	: 250 x 250 mm
SC	: 150 X 150 mm
COVER	: 40mm



**ROOF - 2 LEVEL COLUMN LAYOUT PLAN**  
SCALE 1:100

NOTE:

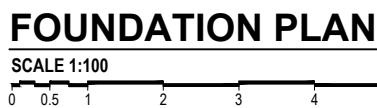
COLUMN SIZES	
C1	: 400 x 550 mm
C2	: 400 x 550 mm
C3	: 400 x 500 mm
C4	: 250 x 450 mm
C5	: 350 x 350 mm
C6	: 250 x 250 mm
SC	: 150 X 150 mm
COVER	: 40mm

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

Project Number: R/2020/006  
Architect: Fahimath Leena Jaleel  
Engineer: Mohamed Muthalib Waleed  
Drawn by: Fahimath Leena Jaleel  
Services: Ashraf Ahmed  
Interior: -

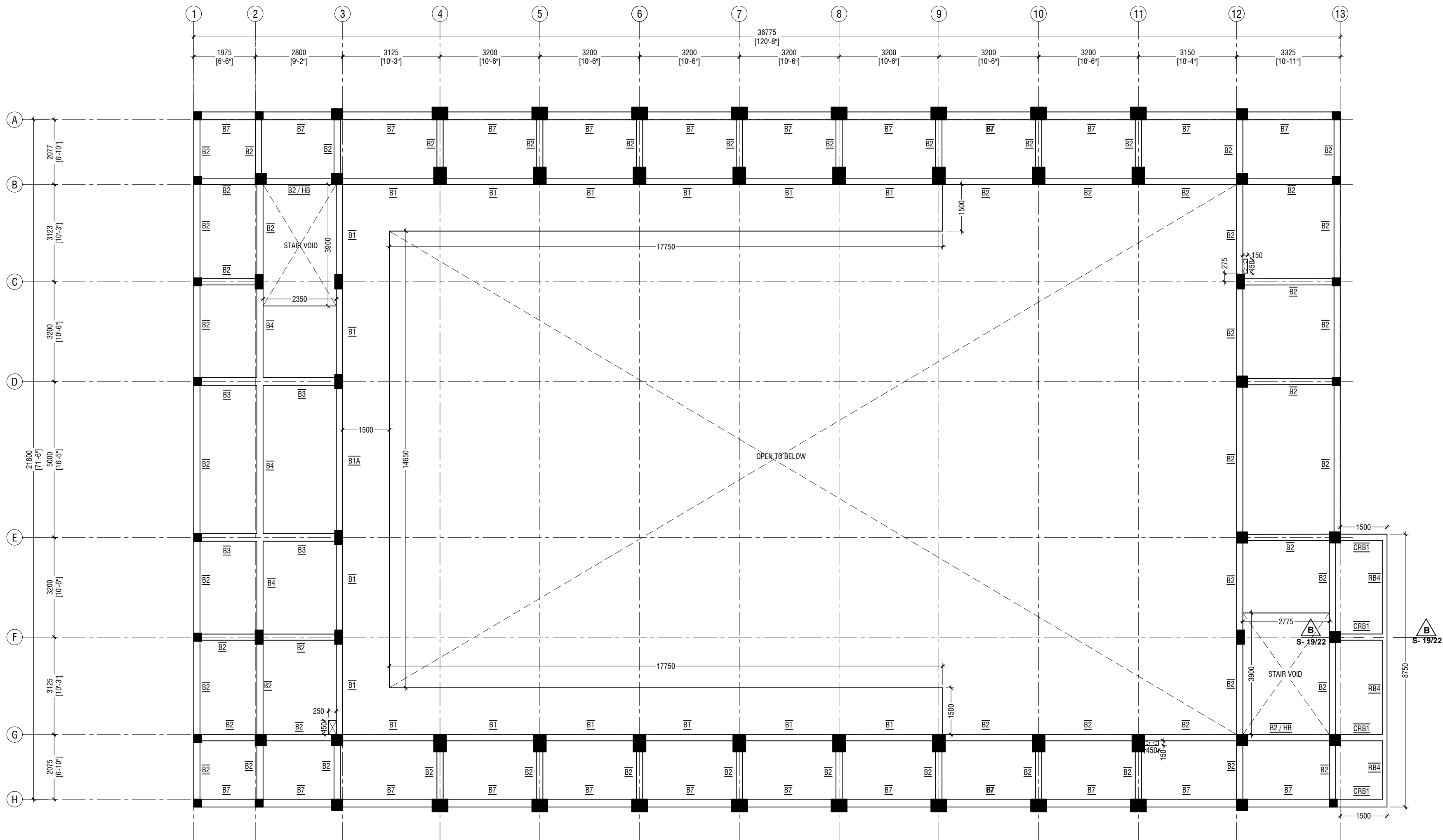






	DIMENSION	REINFORCEMENT (L x B x D)	FOUNDATION DEPTH (MM)
F1	2700 x 2700 x 550	T16@130 C/C B/W (B) T12@130C/C B/W (T)	1450mm
F2	1800 x 1800 x 400	T16@120 C/C B/W (B)	1300mm
F3	1500 x 1500 x 350	T12@150 C/C B/W (B)	1250mm
F4	1200 x 1200 x 350	T12@150 C/C B/W (B)	1250mm
F5	1000 x 1000 x 300	T12@150 C/C B/W (B)	1200mm
F6	750 x 750 x 300	T12@100 C/C B/W (B)	1200mm

RAMP SLAB : 100MM THICK SLAB ON GRADE,  
T10@200 C/C BW



### FIRST FLOOR BEAM PLAN

SCALE 1:100

#### NOTE:

##### COLUMN SIZES

C1 : 400 x 550 mm  
C2 : 400 x 550 mm  
C3 : 400 x 500 mm  
C4 : 250 x 450 mm  
C5 : 350 x 350 mm  
C6 : 250 x 250 mm  
SC : 150 x 150 mm  
COVER : 40mm

#### NOTE:

##### BEAM SIZES

B1 : 200x450 mm  
B1A : 200x450 mm  
B2 : 200x400 mm  
B3 : 250x450 mm  
B4 : 200x400 mm  
B5 : 200x450 mm  
B6 : 200x400 mm  
B7 : 250x500 mm  
B8 : 200x450 mm  
B9 : 350x1200 mm  
CB1 : 250x450 mm  
HB : 200x400 mm  
RB1 : 200x300 mm  
RB2 : 200x400 mm  
RB3 : 150x400 mm  
RB4 : 150x400 mm  
CRB1 : 200x400 mm  
COVER : 35mm  
CONCRETE GRADE 30 = MPa

Aa Ukulhas School Multipurpose Hall & 8 Classroom  
Client: Ministry of Education

Rev no	Date
1	19/02/22
2	
3	
4	
5	

Project Number: R/2020/006  
Architect: Fahimath Leena Jaleel  
Engineer: Mohamed Muthalib Waleed  
Drawn by: Fahimath Leena Jaleel  
Services: Ashraf Ahmed



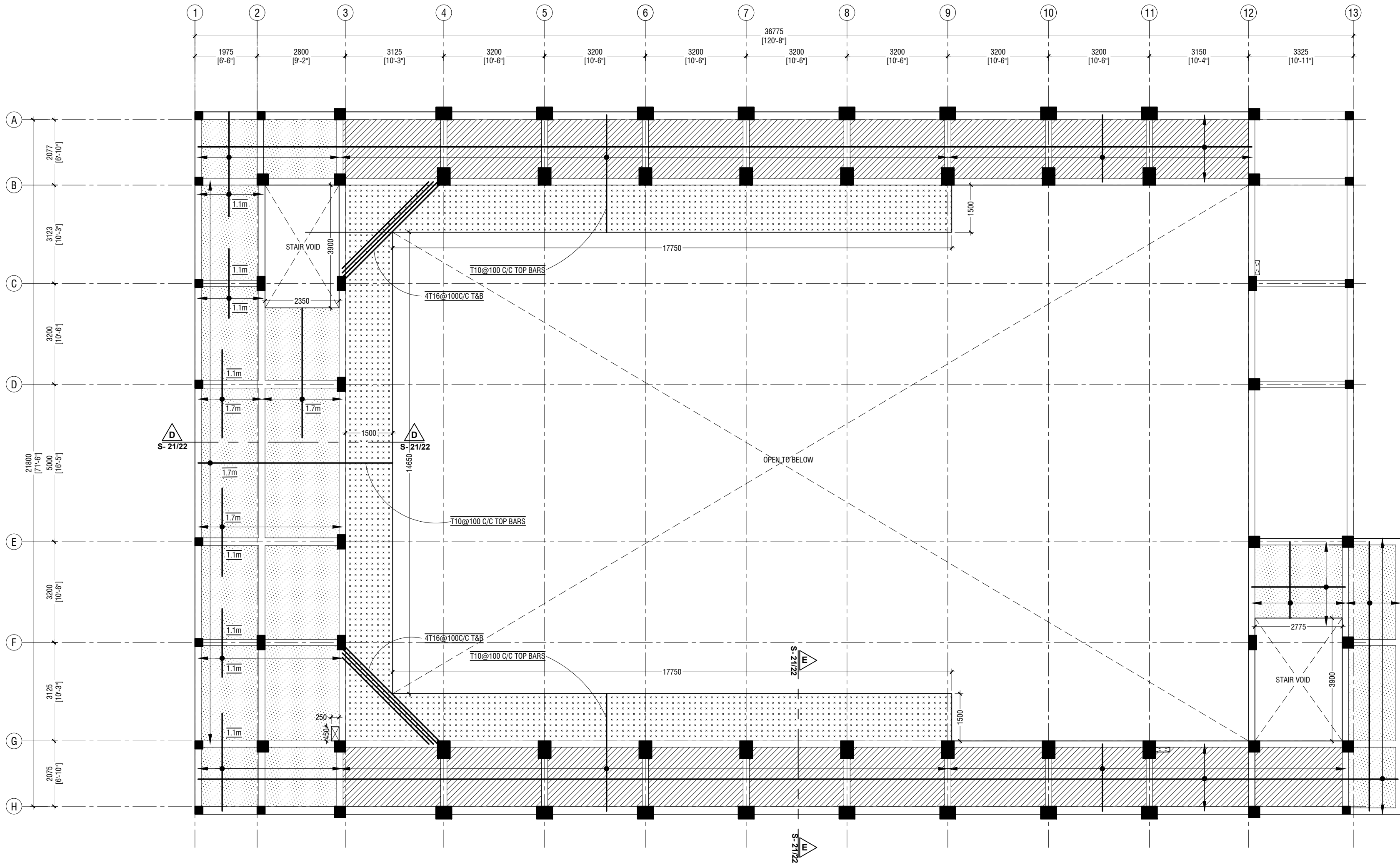
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Title: First Floor Beam Plan

Page: S-09/21

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**FIRST FLOOR SLAB REINFORCEMENT PLAN**

SCALE 1:100  
0 0.5 1 2 3 4 5

**NOTE**

- SLAB THICKNESS - 150mm
- CAT WALK SLAB THICKNESS - 170mm
- SLAB THICKNESS - 200mm

BOTTOM REINFORCEMENT - T10@150 C/C BW (NOT SHOWN, UNLESS STATED)  
TOP REINFORCEMENT - T10 @150 C/C (AS SHOWN UNLESS STATED)  
TOP DISTRIBUTION BARS - T10@150 C/C  
REINFORCEMENT DISCONTINUOUS AT VOIDS

Aa Ukulhas School Multipurpose Hall & 8 Classroom  
Client: Ministry of Education

Rev no	Date
1	2021/10/21

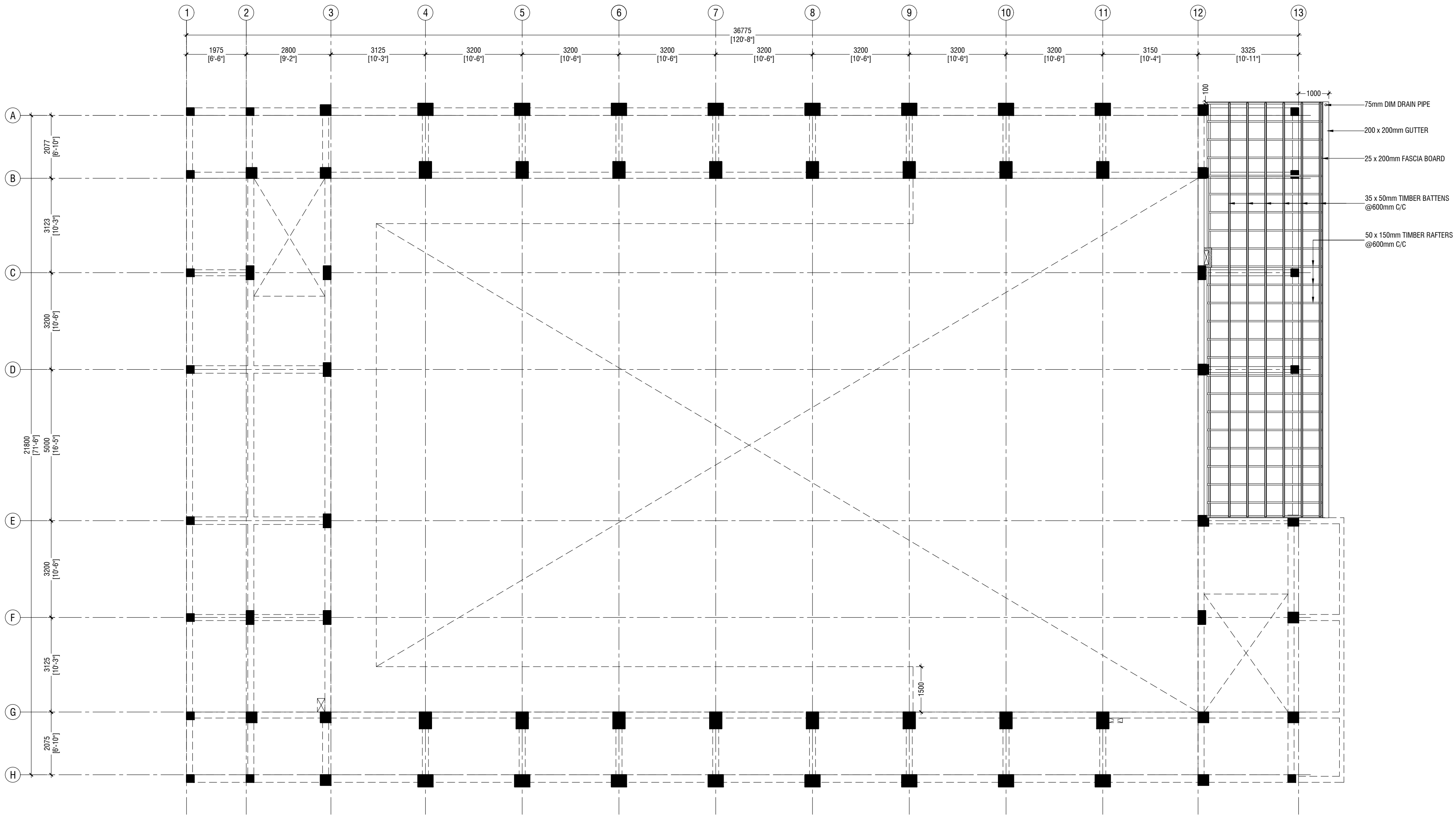


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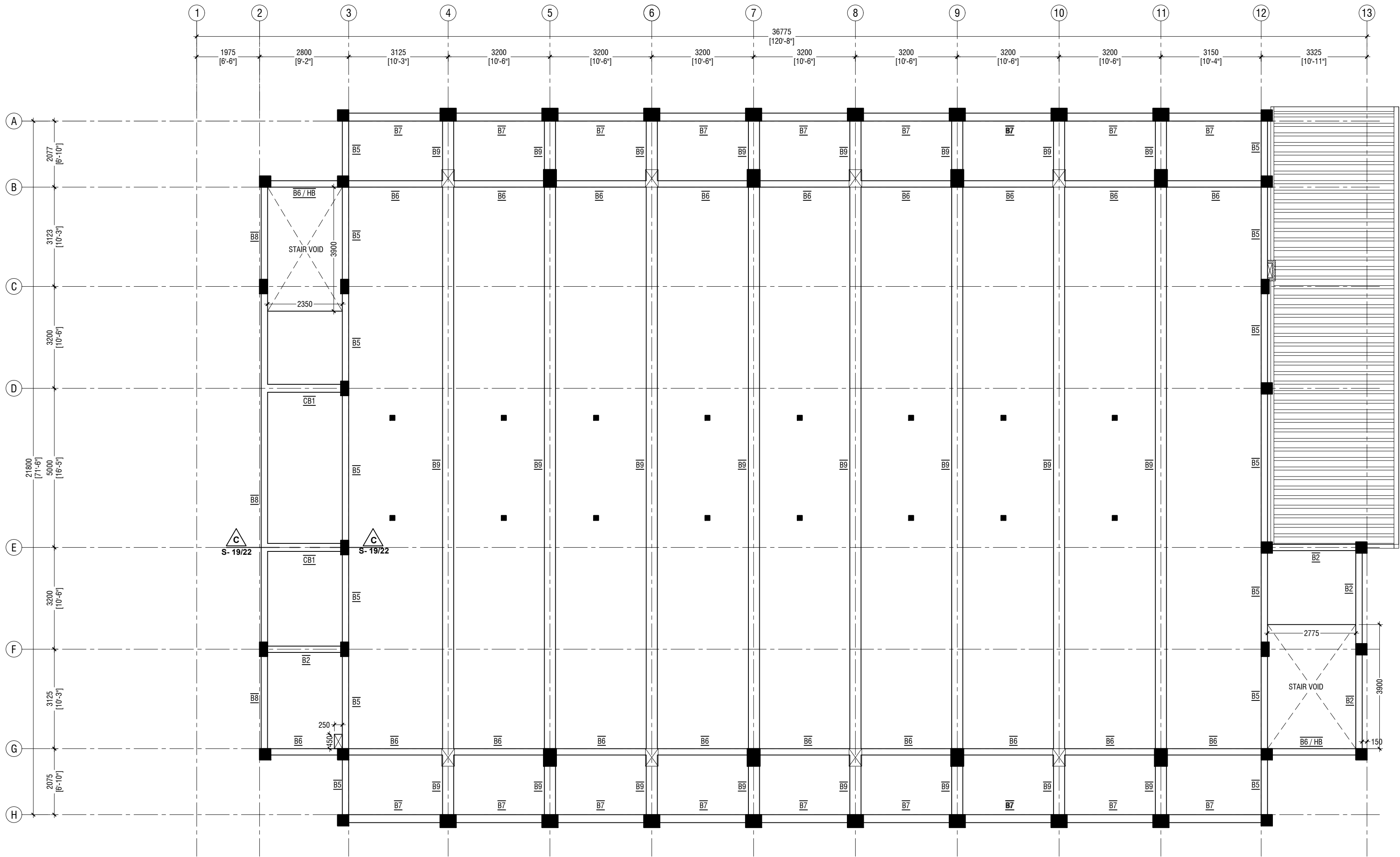
Title: First Floor Slab  
Reinforcement Plan  
Page: S-10/21

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**LOWER ROOF FRAMING PLAN**  
SCALE 1:100



**SECOND FLOOR BEAM PLAN**  
SCALE 1:100

**NOTE:**

**COLUMN SIZES**

C1	: 400 x 550 mm
C2	: 400 x 550 mm
C3	: 400 x 500 mm
C4	: 250 x 450 mm
C5	: 350 x 350 mm
C6	: 250 x 250 mm
SC	: 150 x 150 mm
COVER	: 40mm

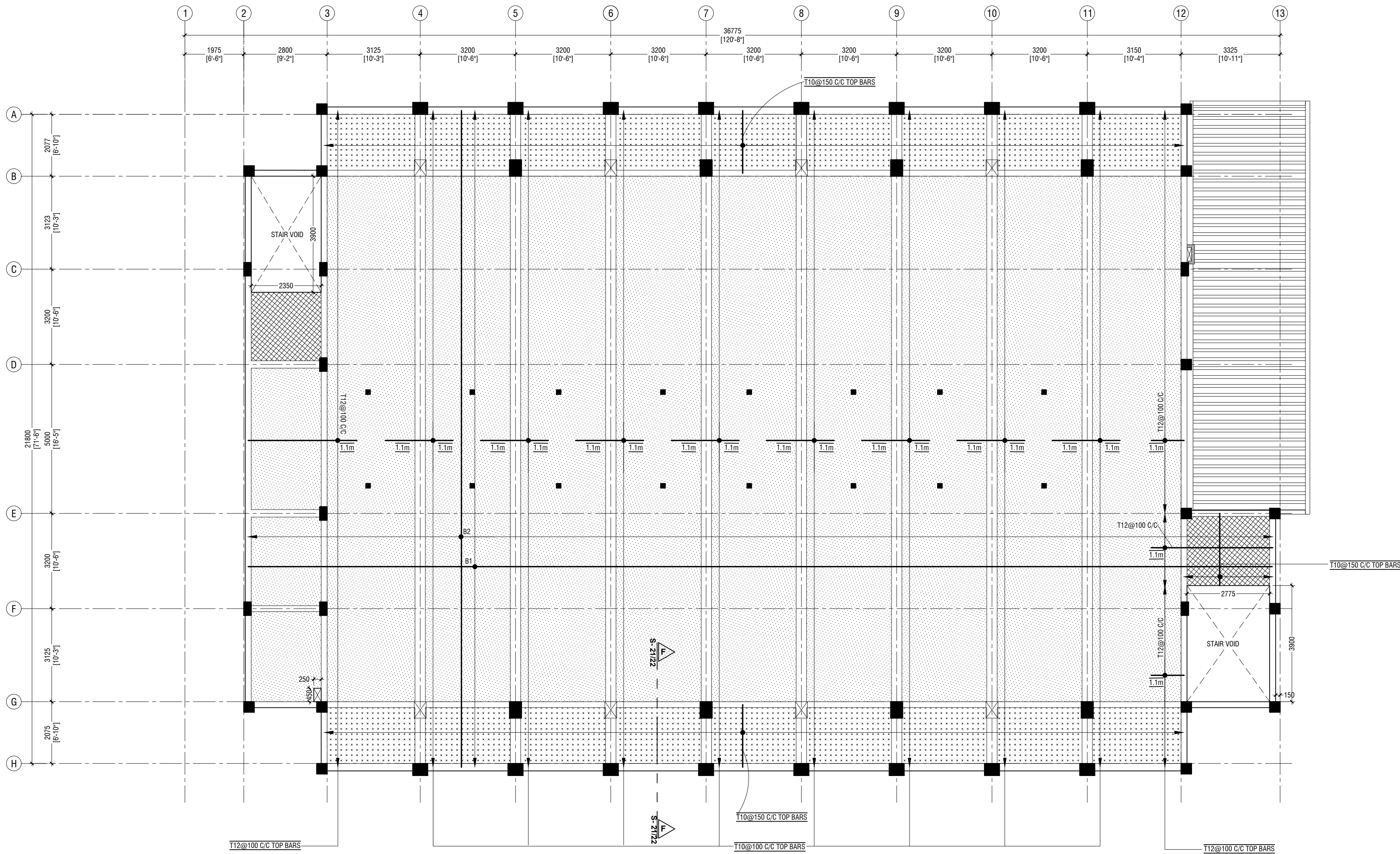
☒ COLUMN TERMINATED FROM  
SECOND FLOOR SLAB

**NOTE:**

**BEAM SIZES**

B1	: 200x450 mm
B1A	: 200x450 mm
B2	: 200x400 mm
B3	: 250x450 mm
B4	: 200x400 mm
B5	: 200x450 mm
B6	: 200x400 mm
B7	: 250x500 mm
B8	: 200x450 mm
B9	: 350x1200 mm
CB1	: 250x450 mm
HB	: 200x400 mm
RB1	: 200x300 mm
RB2	: 200x400 mm
RB3	: 150x400 mm
RB4	: 150x400 mm
CRB1	: 200x400 mm
COVER	: 35mm

CONCRETE GRADE 30 = MPa



## SECOND FLOOR SLAB REINFORCEMENT PLAN

SCALE 1:100

0 0.5 1 2 3 4 5

### NOTE

- SLAB THICKNESS - 130mm
- SLAB THICKNESS - 150mm
- SLAB THICKNESS - 180mm

BOTTOM REINFORCEMENT -  
B1 - T10@100 C/C (AS SHOWN)  
B2 - T10 @200 C/C (AS SHOWN)

TOP REINFORCEMENT - TOP BARS AS SHOWN  
TOP DISTRIBUTION BARS - T10@150 C/C  
REINFORCEMENT DISCONTINUOUS AT VOIDS

AaUkulhas School Multipurpose Hall & 8 Classroom

Client: Ministry of Education

Project Number: R/2322/006  
Architect: Fahimath Leena Jaleel  
Engineer: Mohamed Muthalib Waleed  
Drawn by: Fahimath Leena Jaleel  
Services: Aghath Ahmed  
Interior: -



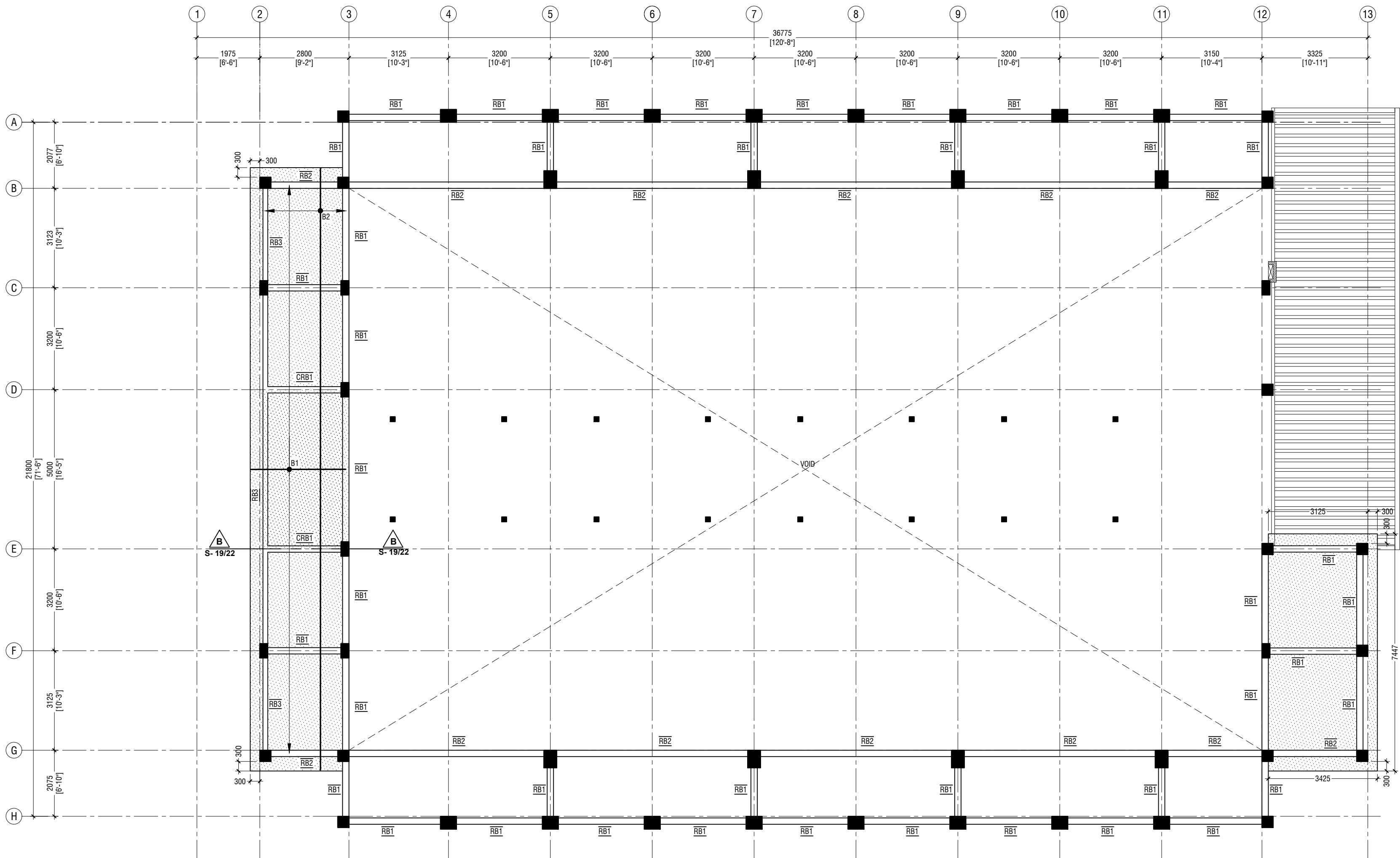
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3rd floor, H. Azam, Ammeenemogga, Malé

Title: Second Floor Slab Reinforcement Plan

Page: S-13/21

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ROOF BEAM LEVEL - 1 AND SLAB REINFORCEMENT PLAN (+10300)

SCALE 1:100  
0 0.5 1 2 3 4 5

NOTE:

COLUMN SIZES

C1	: 400 x 550 mm
C2	: 400 x 550 mm
C3	: 400 x 550 mm
C4	: 250 x 450 mm
C5	: 350 x 350 mm
C6	: 250 x 250 mm
SC	: 150 x 150 mm
COVER	: 40mm

NOTE:

BEAM SIZES

B1	: 200x450 mm
B1A	: 200x450 mm
B2	: 200x400 mm
B3	: 250x450 mm
B4	: 200x400 mm
B5	: 200x450 mm
B6	: 200x400 mm
B7	: 250x500 mm
B8	: 200x450 mm
B9	: 350x1200 mm
CB1	: 250x450 mm
HB	: 200x400 mm
RB1	: 200x300 mm
RB2	: 200x400 mm
RB3	: 150x400 mm
RB4	: 150x400 mm
CRB1	: 200x400 mm
COVER	: 35mm

CONCRETE GRADE 30 = MPa

NOTE:

SLAB THICKNESS - 130mm

BOTTOM REINFORCEMENT - T10@200 C/C B/W (NOT SHOWN)  
BOTTOM REINFORCEMENT - B1 - T10@100 C/C (AS SHOWN)  
BOTTOM REINFORCEMENT - B2 - T10 @200 C/C (AS SHOWN)  
TOP REINFORCEMENT - T10 @200 C/C B/W (NOT SHOWN)  
REINFORCEMENT DISCONTINUOUS AT VOIDS

Aa.Ukulhas School Multipurpose Hall & 8 Classroom  
Client: Ministry of Education

Project Number: R/2022/006  
Architect: Fahimath Leena Jaleel  
Engineer: Mohamed Muthalib Waleed  
Drawn by: Fahimath Leena Jaleel  
Services: Ashraf Ahmed



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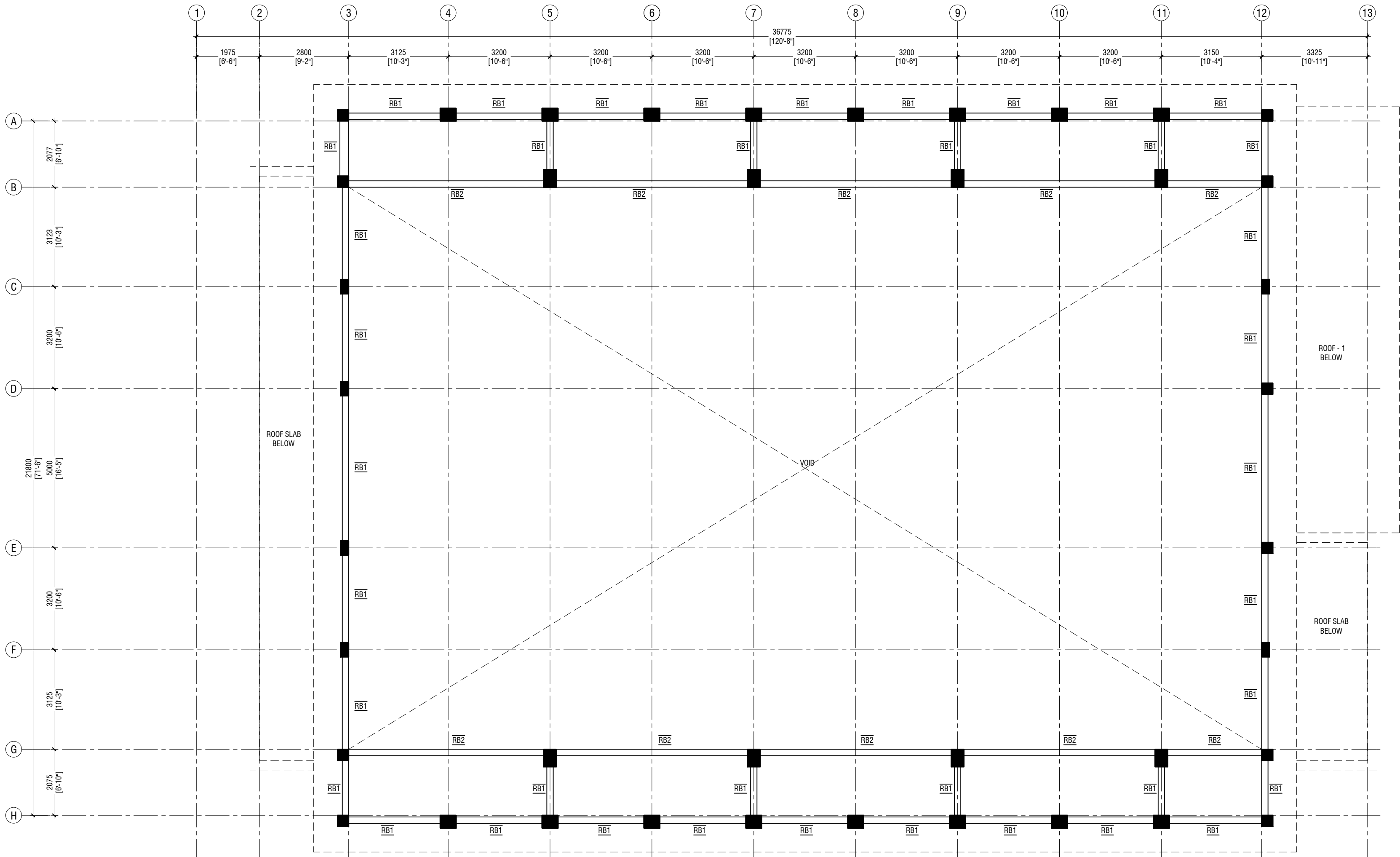
T: +9603375049 F: +9603310776  
E: info@riyan.com.mv  
W: www.riyan.com.mv  
3rd floor, H. Azam, Ammeenmorgu, Male'

Title: RoofBeam Level 1 & Slab  
Reinforcement Plan

Page: S-14/21

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ROOF BEAM LEVEL - 2 (+11200)

SCALE 1:100



NOTE:

COLUMN SIZES

C1	: 400 x 550 mm
C2	: 400 x 550 mm
C3	: 400 x 500 mm
C4	: 250 x 450 mm
C5	: 350 x 350 mm
C6	: 250 x 250 mm
SC	: 150 x 150 mm
COVER	: 40mm

NOTE:

BEAM SIZES

B1	: 200x450 mm
B1A	: 200x450 mm
B2	: 200x400 mm
B3	: 250x450 mm
B4	: 200x400 mm
B5	: 200x450 mm
B6	: 200x400 mm
B7	: 250x500 mm
B8	: 200x450 mm
B9	: 350x1200 mm
CB1	: 250x450 mm
HB	: 200x400 mm
RB1	: 200x300 mm
RB2	: 200x400 mm
RB3	: 150x400 mm
RB4	: 150x400 mm
CRB1	: 200x400 mm
COVER	: 35mm

CONCRETE GRADE 30 = MPa

Aa.Ukulhas School Multipurpose Hall & 8 Classroom  
Client: Ministry of Education

Rev no	Date
1	2023/06/06
2	2023/06/06
3	2023/06/06
4	2023/06/06
5	2023/06/06

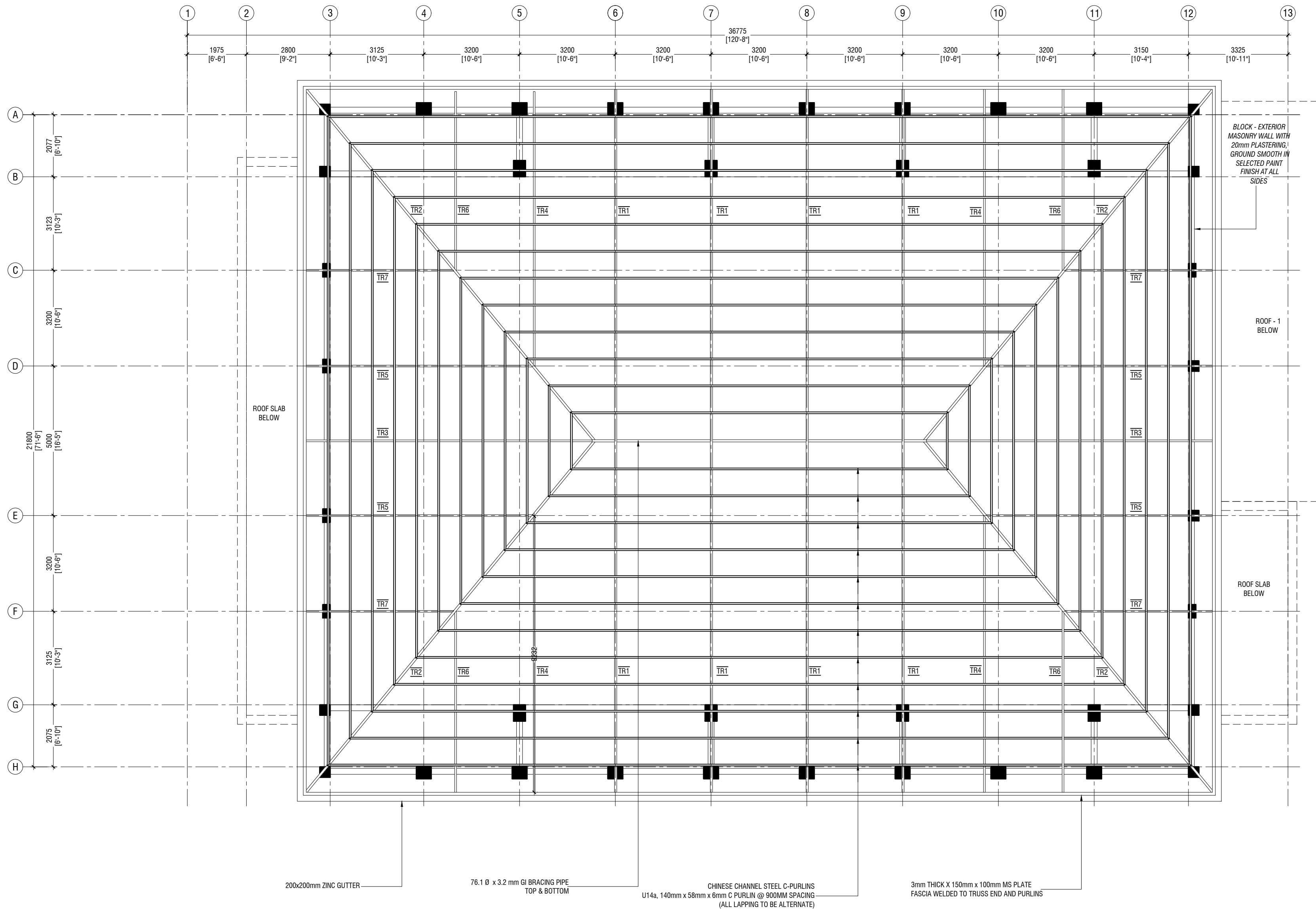


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3rd floor, H. Adam, Ammanemogga, Male'

Title: Roof Beam Level - 2

Page: S-15/21

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**ROOF LEVEL - 2 TRUSS AND FRAMING PLAN**  
SCALE 1:100

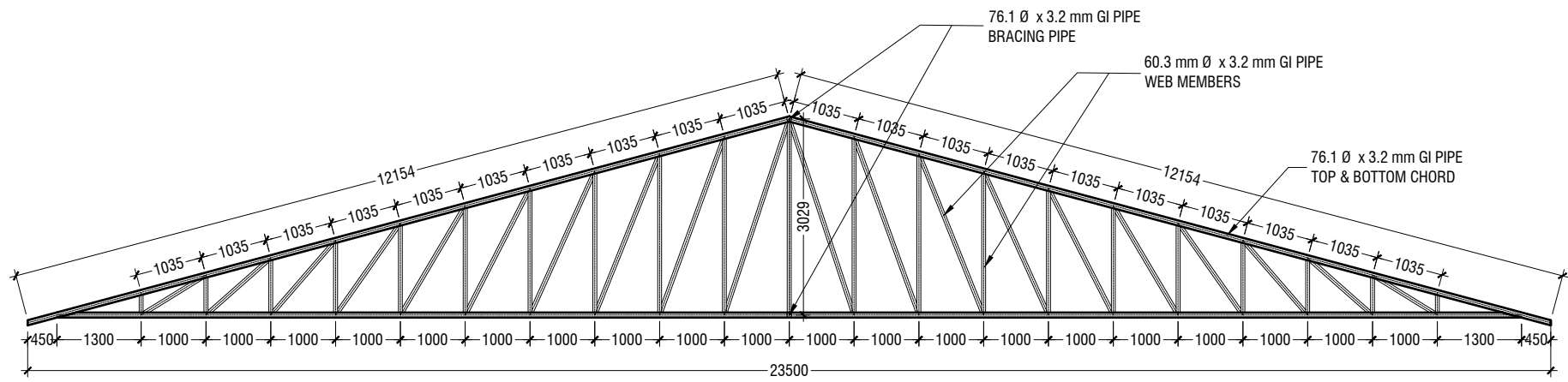
Aa Ukulhas School Multipurpose Hall & 8 Classroom  
Client: Ministry of Education

Rev no	Date
1	2023/06/06
2	
3	
4	
5	

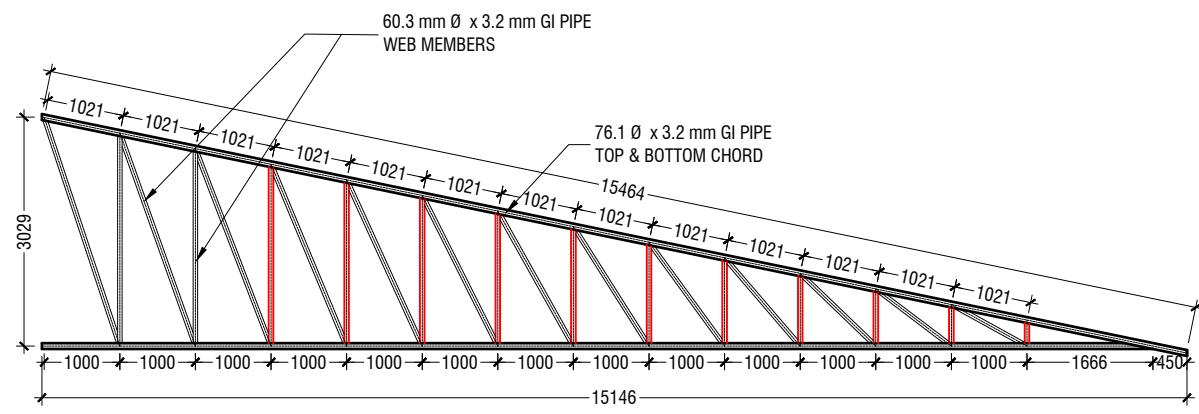


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3rd floor, H. Azam, Ammanemogga, Malé

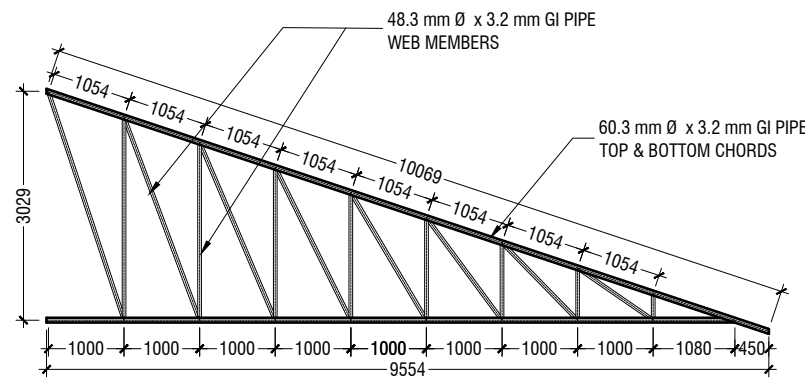
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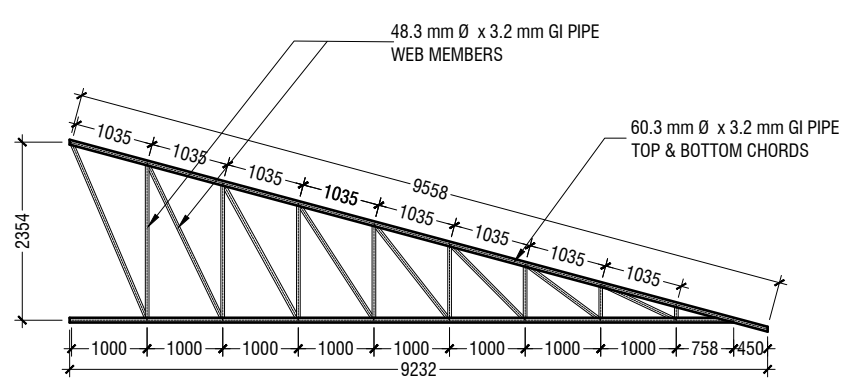
**TRUSS TYPE TR1**



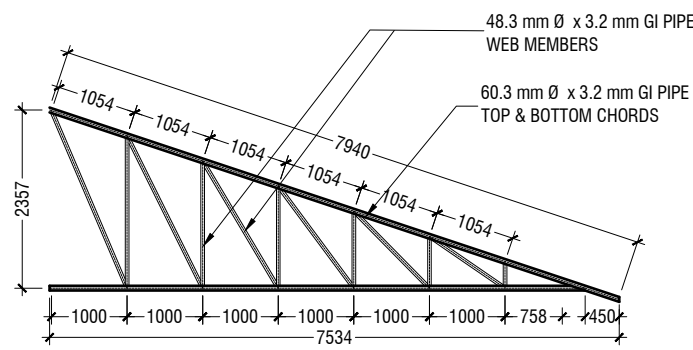
**TRUSS TYPE TR2**



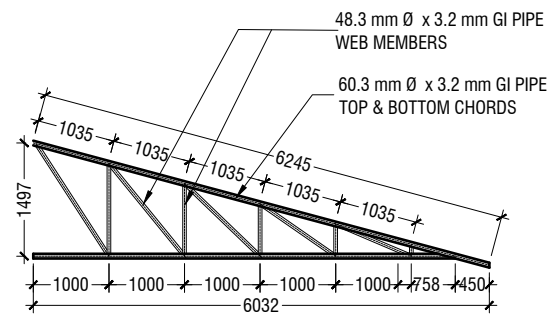
**TRUSS TYPE TR3**



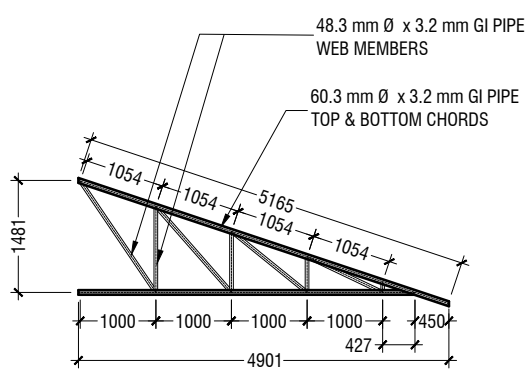
**TRUSS TYPE TR4**



**TRUSS TYPE TR5**



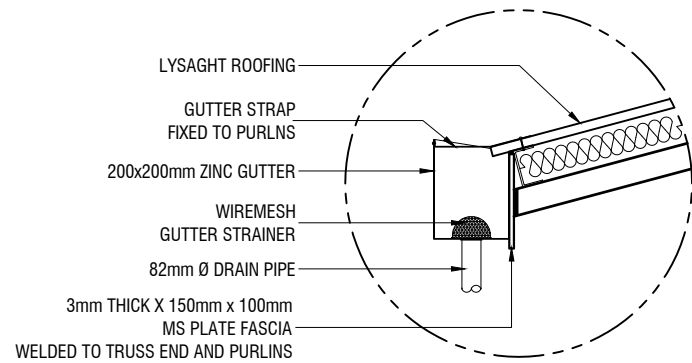
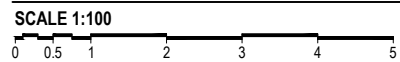
**TRUSS TYPE TR6**



**TRUSS TYPE TR7**

**NOTE**  
**CORROSION PROTECTION: GALVANIZED COATING THICKNESS SHALL NOT BE LESS THAN 80 MICRONS**  
**ALL FILLET WELDS TO BE 4mm THICK**  
**CONTRACTOR AND CONSULTANT TO CONFIRM ON SITE TRUSS SPAN AND DIMENSIONS BEFORE FABRICATION**

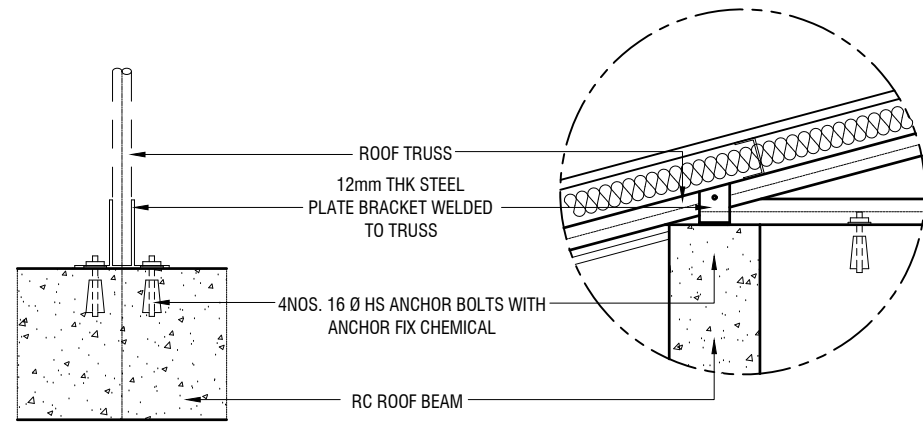
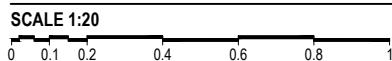
**ROOF TRUSS DETAILS**



**GUTTER/FASCIA DETAIL**

SCALE 1:20

**TYPICAL TRUSS FIXING DETAILS**



**ELEVATION**

SCALE 1:20

**SECTION**

SCALE 1:20

**AaUkulhas School Multipurpose Hall & 8 Classroom**  
**Client: Ministry of Education**

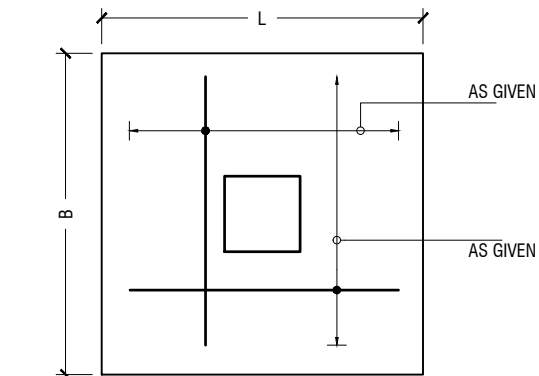
Rev no	Date
1	11/01/2024
2	11/01/2024
3	11/01/2024
4	11/01/2024
5	11/01/2024

Project Number: R/2020/006  
 Architect: Fahimath Leena Jaleel  
 Engineer: Mohamed Muhiyiddin Waleed  
 Drawn by: Fahimath Leena Jaleel  
 Services: Ashraf Ahmed

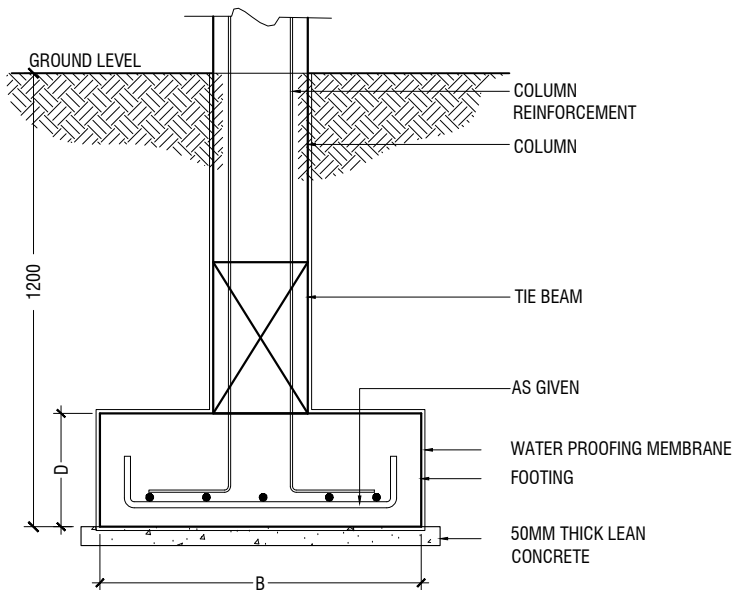
	DIMENSION	REINFORCEMENT (L x B x D)	FOUNDATION DEPTH (MM)
F1	2700 x 2700 x 550	T16@130 C/C B/W (B) T12@130C/C B/W (T)	1450mm
F2	1800 x 1800 x 400	T16@120 C/C B/W (B)	1300mm
F3	1500 x 1500 x 350	T12@150 C/C B/W (B)	1250mm
F4	1200 x 1200 x 350	T12@150 C/C B/W (B)	1250mm
F5	1000 x 1000 x 300	T12@150 C/C B/W (B)	1200mm
F6	750 x 750 x 300	T10@100 C/C B/W (B)	1200mm

RAFT FOUNDATION DEPTH = 1200mm  
 NOTE:-  
 COVER TO FOUNDATION = 50mm  
 COVER TO COLUMNS = 40mm  
 COVER TO BEAMS = 35mm  
 LAPS = Ø OF BAR x 45  
 BEAMS @END SUPPORT = Ø OF BAR x 12  
 CONCRETE GRADE 35= MPa

### FOUNDATION PADS



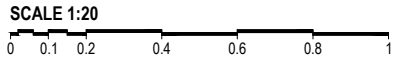
PLAN



SECTION  
FOOTING DETAILS

<b>TB</b> (FOUNDATION ONLY)		<b>TB1</b> (RAMP ONLY)	
--------------------------------	--	---------------------------	--

### TIE BEAM DETAIL STRUCTURAL DETAILS - 1

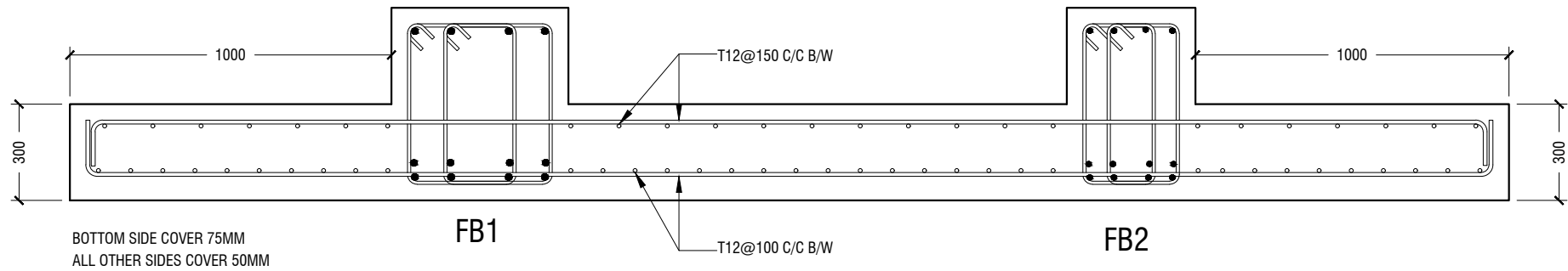


<b>C1</b>	
<b>C2</b>	
<b>C3</b>	
<b>C4</b>	
<b>C5</b>	
<b>C6</b>	
<b>SC</b> STIFFENER COLUMN	

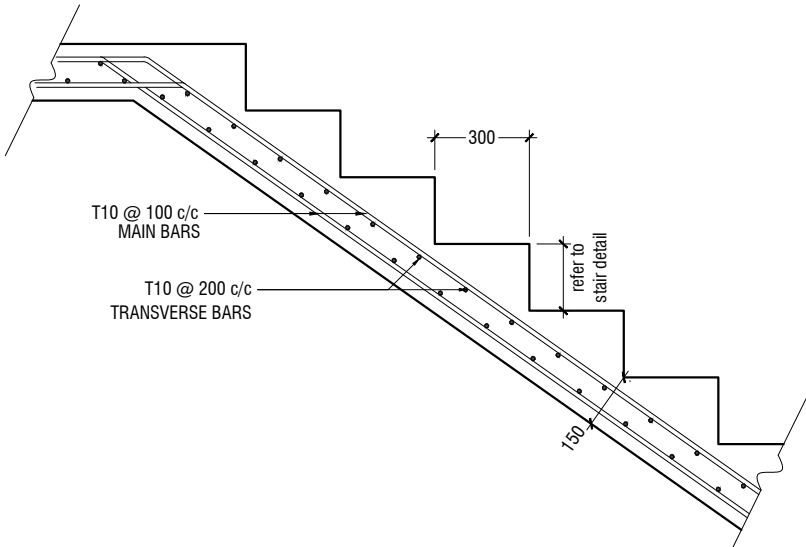
START FROM SECOND FLOOR SLAB ONWARDS  
COLUMNS DETAIL

<b>FB1</b>		
<b>FB2</b>		
<b>FB3</b>		

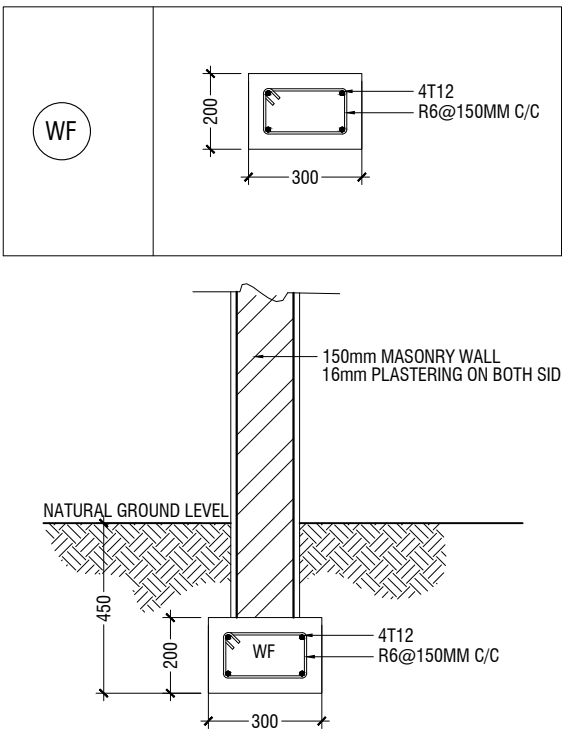
### FOUNDATION BEAMS DETAIL



### SECTION A-A RAFT SECTIONAL DETAIL



MAIN STAIRCASE REINFORCEMENT DETAIL



STAGE FRAMING MASONRY WALL DETAILS





B1	
B1A	
B2	
B3	
B4	
B5	
B6	
B7	

BEAMS DETAIL

## STRUCTURAL DETAILS - 2

SCALE 1:20  
0 0.1 0.2 0.4 0.6 0.8 1

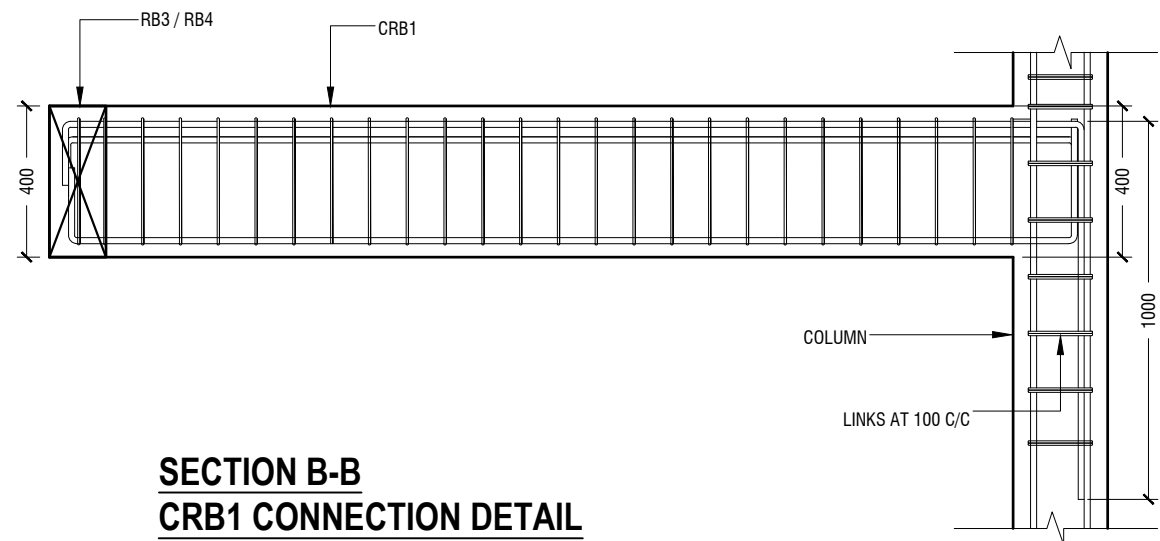
B8	
B9	
CB1	
CRB1	
RB1	
RB2	
RB3	

BEAMS DETAIL

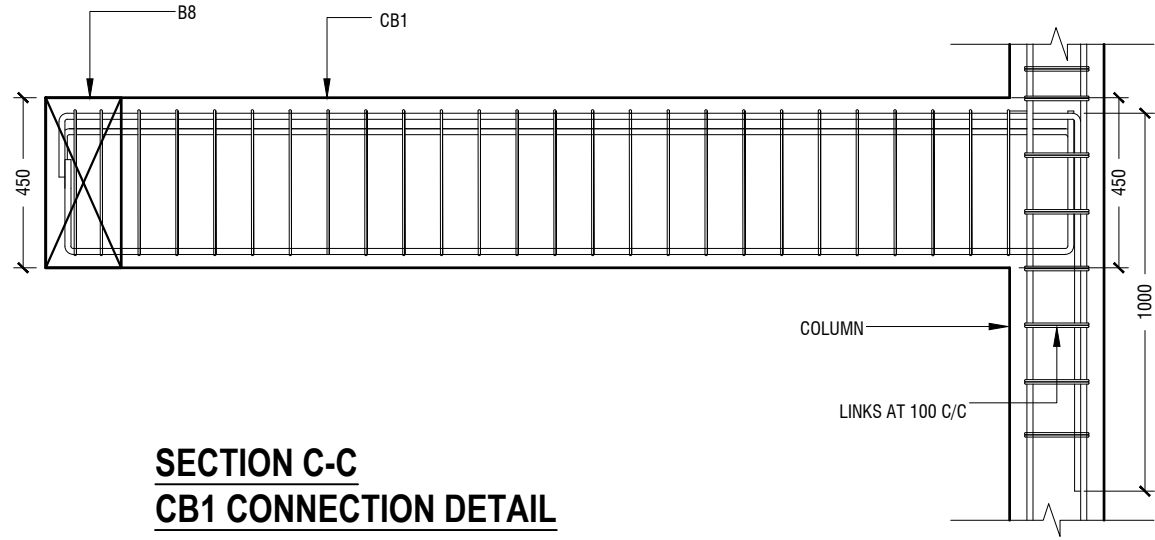
RB4	
HB STAIRCASE HALF LANDING	
LB	
LT1	

BEAMS DETAIL

LINTELS OVER ALL DOORS, WINDOWS  
(THAT DOES NOT RISE TO ROOF BEAM LEVEL)



SECTION B-B  
CRB1 CONNECTION DETAIL



SECTION C-C  
CB1 CONNECTION DETAIL

AaUkulhas School Multipurpose Hall & 8 Classroom

Client: Ministry of Education

Project Number: R/2320/006  
Architect: Fahimath Leena Jaleel  
Engineer: Mohamed Muthalib Waleed  
Drawn by: Fahimath Leena Jaleel  
Services: Ashraf Ahmed



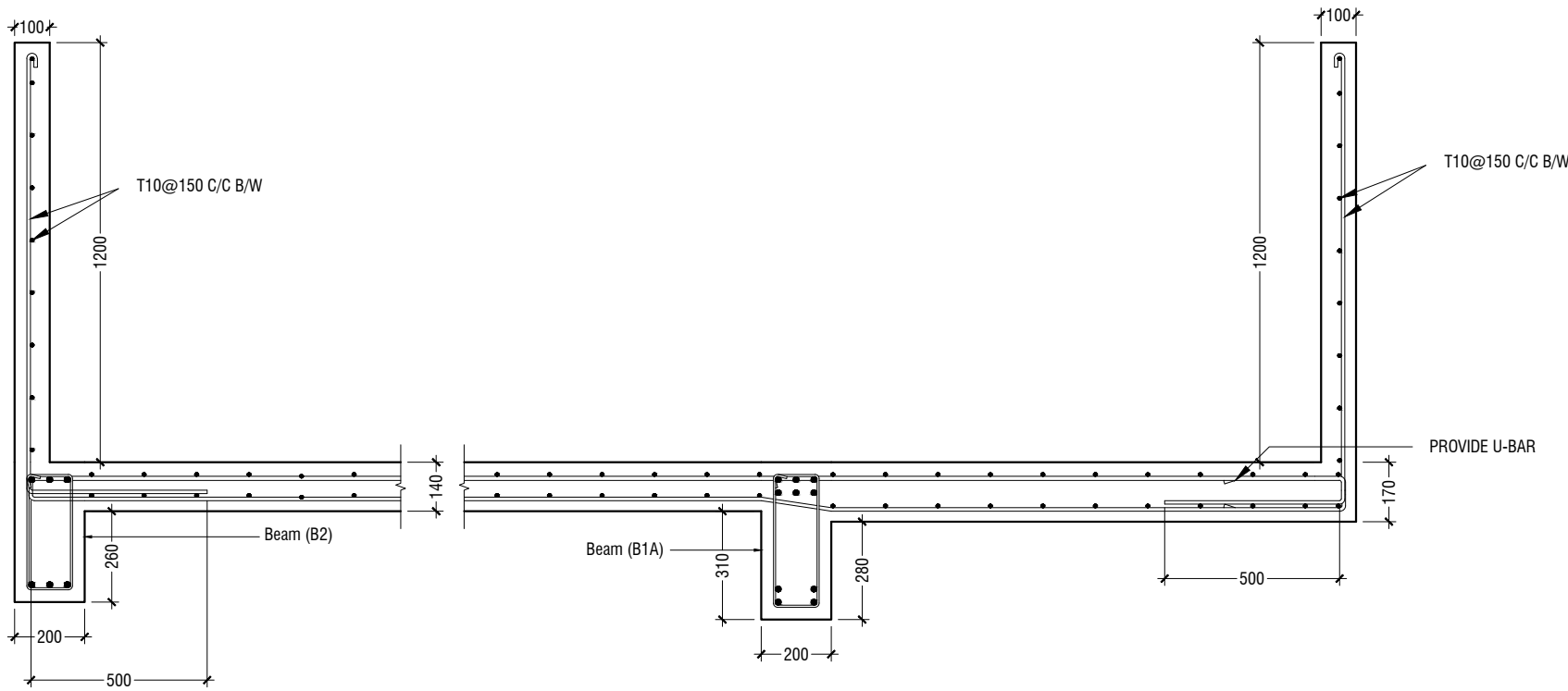
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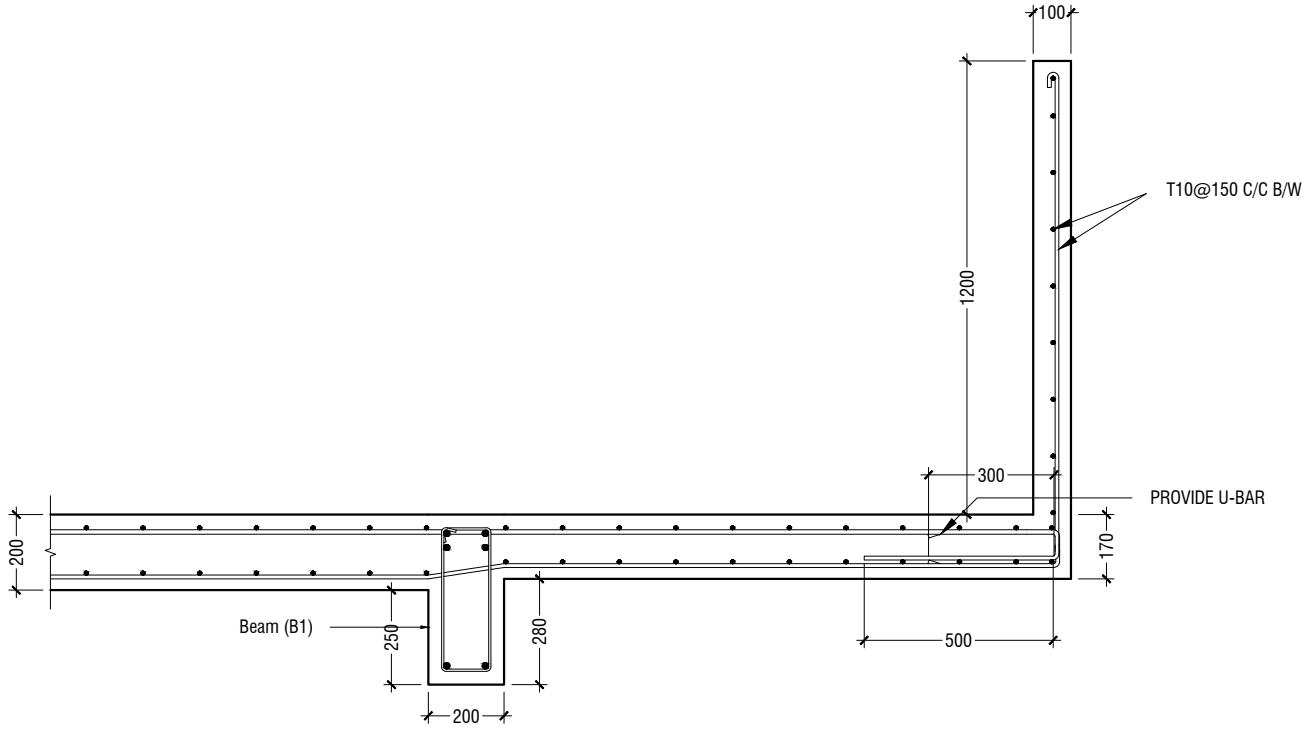
Title: Structural Details

Page: S-19/21

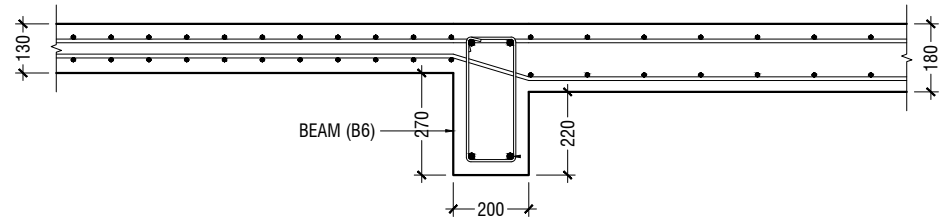
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**SECTION D-D**  
**FIRST FLOOR SLAB REINFORCEMENT CONNECTION DETAIL**

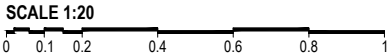


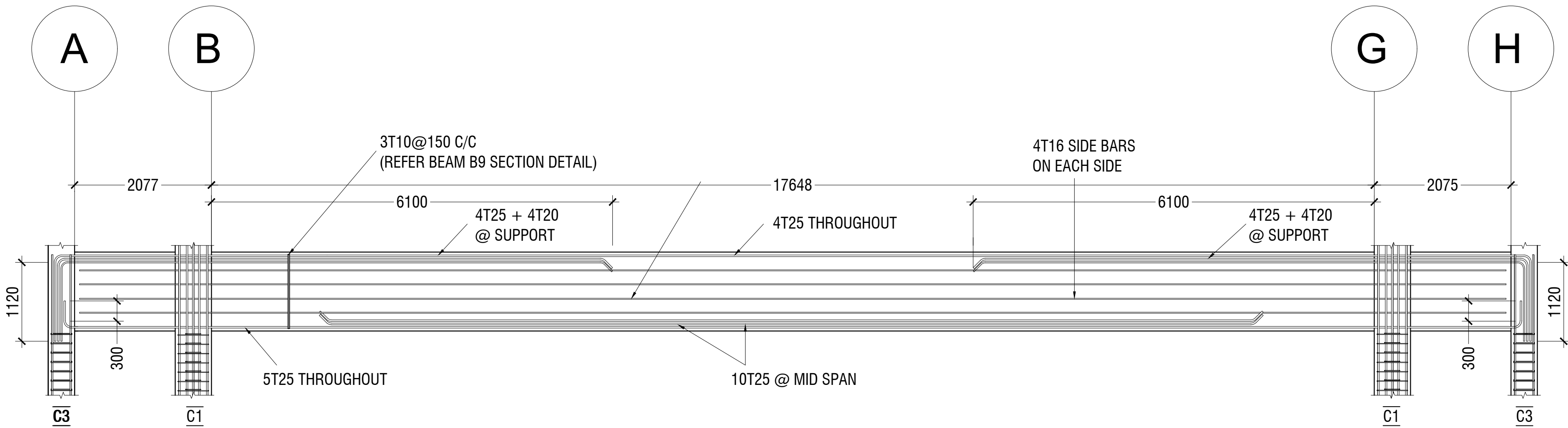
**SECTION E-E**  
**FIRST FLOOR SLAB REINFORCEMENT CONNECTION DETAIL**



**SECTION F-F**  
**SLAB THICKNESS REDUCTION DETAIL**

**STRUCTURAL DETAILS - 3**





BEAM B9 LONGITUDINAL SECTION DETAIL

STRUCTURAL DETAILS - 3

SCALE 1:20  
0 0.1 0.2 0.4 0.6 0.8 1

Aa.Ukulhas School Multipurpose Hall & 8 Classroom  
Client: Ministry of Education

Rev no	Date
1	2023/06/06
2	2023/06/06
3	2023/06/06
4	2023/06/06
5	2023/06/06
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96	2023/06/06
97	2023/06/06
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99	2023/06/06
100	2023/06/06



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Title: Structural Details

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