

# **GEMANAFUSHI SCHOOL**

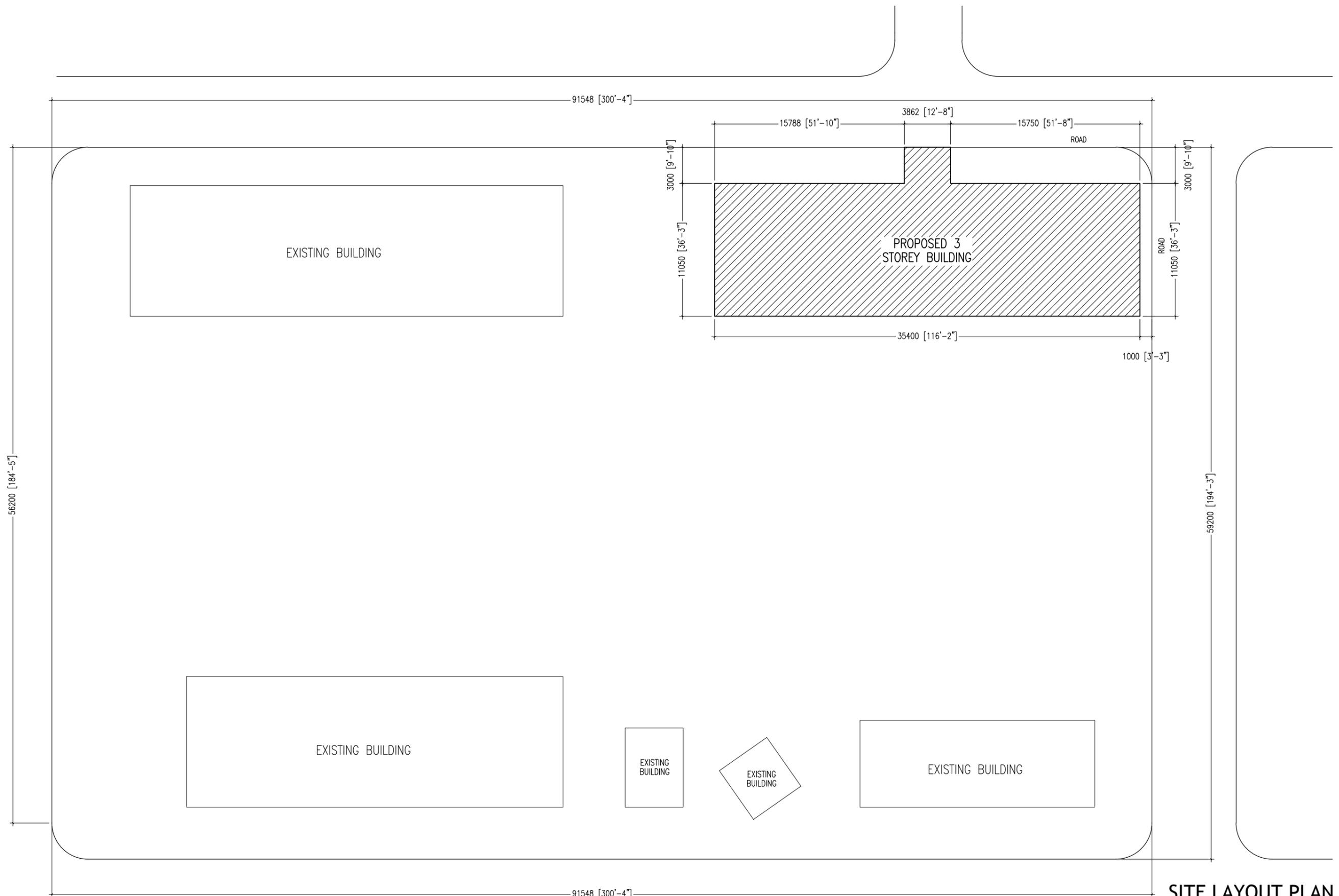
**-THREE STOREY BUILDING-  
ARCHITECTURAL & STRUCTURAL DRAWINGS**

MARCH 2015

CLIENT : MINISTRY OF EDUCATION

DESIGN BY

**ArchEng**  
s t u d i o  
Ma Fiyajahaage, 1st floor, Male'. Republic of Maldives  
admin@archeng.biz



TOTAL PROPOSED BUILDING AREA: 402.75 SQM (4335.165 SQF)

**SITE LAYOUT PLAN**  
SCALE 1:300

CONTRACTORS MUST CHECK ALL DIMENSIONS ON SITE BEFORE STARTING ANY WORK OR SHOP DRAWINGS. FIGURED DIMENSIONS TO TAKE PRECEDENCE OVER SCALE READINGS



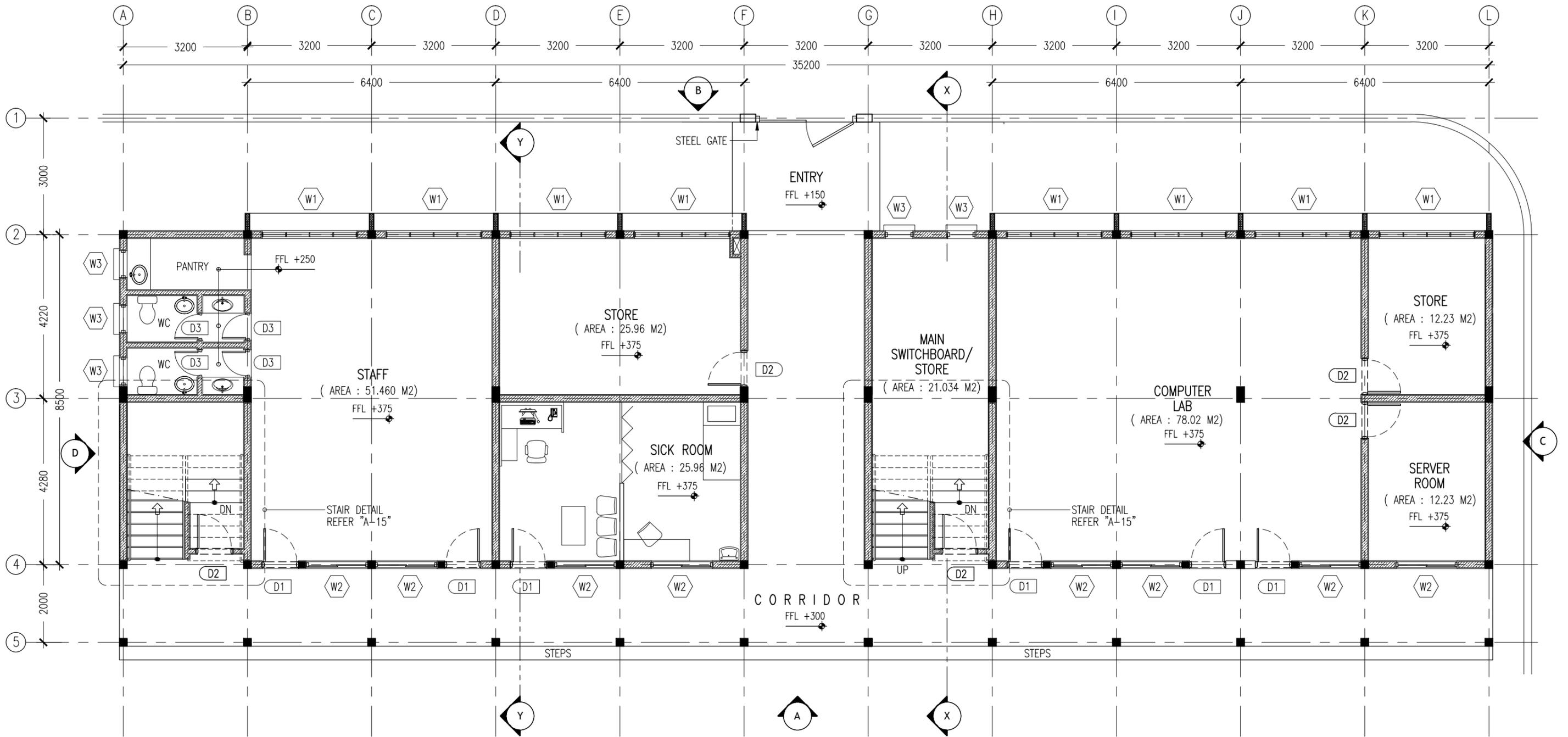
REVISION:	ARCHITECT: MOHAMED HAMEEN
	ENGINEER: MOHAMED AHSAN
	SERVICES ENG:
	ESTIMATOR:
	DRAWN BY: SHAMHAD SAEED

PROJECT: GEMANAFUSHI SCHOOL
LOCATION: GA.GEMANAFUSHI
DRAWING TITLE: AS GIVEN
CLIENT: MINISTRY OF EDUCATION
SCALE: AS GIVEN
DIMENSION: MM
DATE: MAY 2015

**A-01**

DWG NO

PROJECT NO.: 14-109



KEY /LEGEND NOTES

	BLOCK MASONRY WALL
	150MM THK RC WALL 850MM HIGH

CONTRACTORS MUST CHECK ALL DIMENSIONS ON SITE BEFORE STARTING ANY WORK OR SHOP DRAWINGS. FIGURED DIMENSIONS TO TAKE PRECEDENCE OVER SCALE READINGS



REVISION:	ARCHITECT: MOHAMED HAMEEN
	ENGINEER: MOHAMED AHSAN
	SERVICES ENG:
	ESTIMATOR:
	DRAWN BY: SHAMHAD SAEED

PROJECT: GEMANAFUSHI SCHOOL
LOCATION: GA.GEMANAFUSHI
DRAWING TITLE: AS GIVEN
CLIENT: MINISTRY OF EDUCATION
SCALE: AS GIVEN
DIMENSION: MM
DATE: MAY 2015

A-02

DWG NO  
PROJECT NO.: 14-109

GROUND FLOOR LAYOUT PLAN

SCALE 1:100



**1ST FLOOR LAYOUT PLAN**  
SCALE 1:100

KEY /LEGEND NOTES

	BLOCK MASONRY WALL
	150MM THK RC WALL 850MM HIGH

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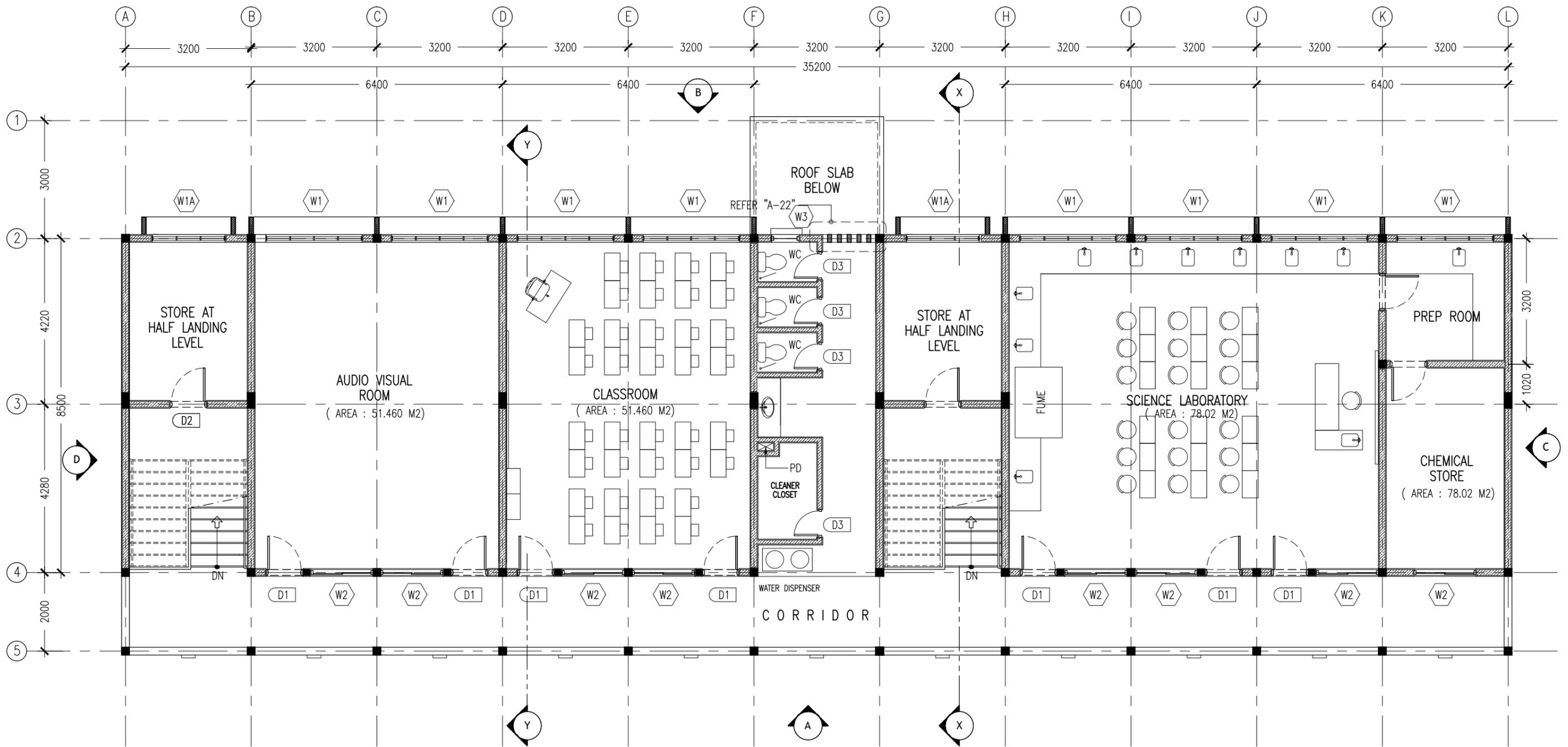


REVISION:	ARCHITECT: MOHAMED HAMEEN
	ENGINEER: MOHAMED AHSAN
	SERVICES ENG:
	ESTIMATOR:
	DRAWN BY: SHAMHAD SAEED

PROJECT: GEMANAFUSHI SCHOOL
LOCATION: GA.GEMANAFUSHI
DRAWING TITLE: AS GIVEN
CLIENT: MINISTRY OF EDUCATION
SCALE: AS GIVEN
DIMENSION: MM
DATE: MAY 2015

**A-03**  
DWG NO  
PROJECT NO.: 14-109

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**2ND FLOOR LAYOUT PLAN**  
SCALE 1:100

KEY /LEGEND NOTES

	BLOCK MASONRY WALL
	150MM THK RC WALL 850MM HIGH

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REVISION:

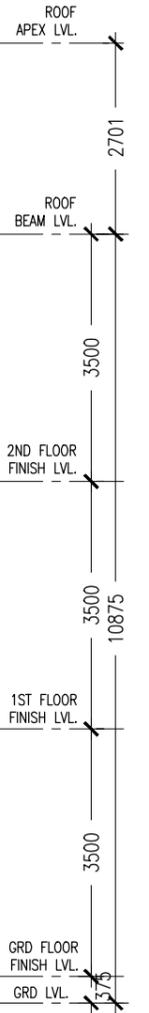
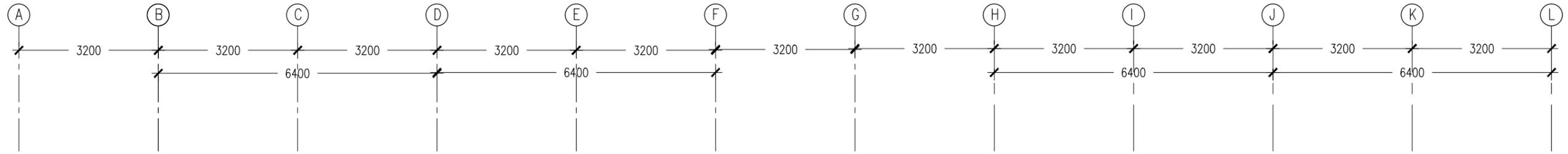

ARCHITECT:	MOHAMED HAMEEN
ENGINEER:	MOHAMED AHSAN
SERVICES ENG.:	
ESTIMATOR:	
DRAWN BY:	SHAMHAD SAEED

PROJECT:	GEMANAFUSHI SCHOOL
LOCATION:	GA.GEMANAFUSHI
DRAWING TITLE:	AS GIVEN
CLIENT:	MINISTRY OF EDUCATION
SCALE:	AS GIVEN
DIMENSION:	MM
DATE:	MAY 2015

**A-04**

DWG NO  
PROJECT NO.: 14-109

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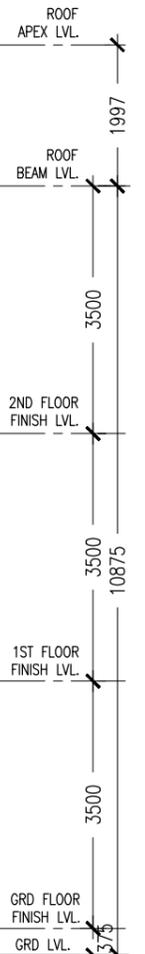
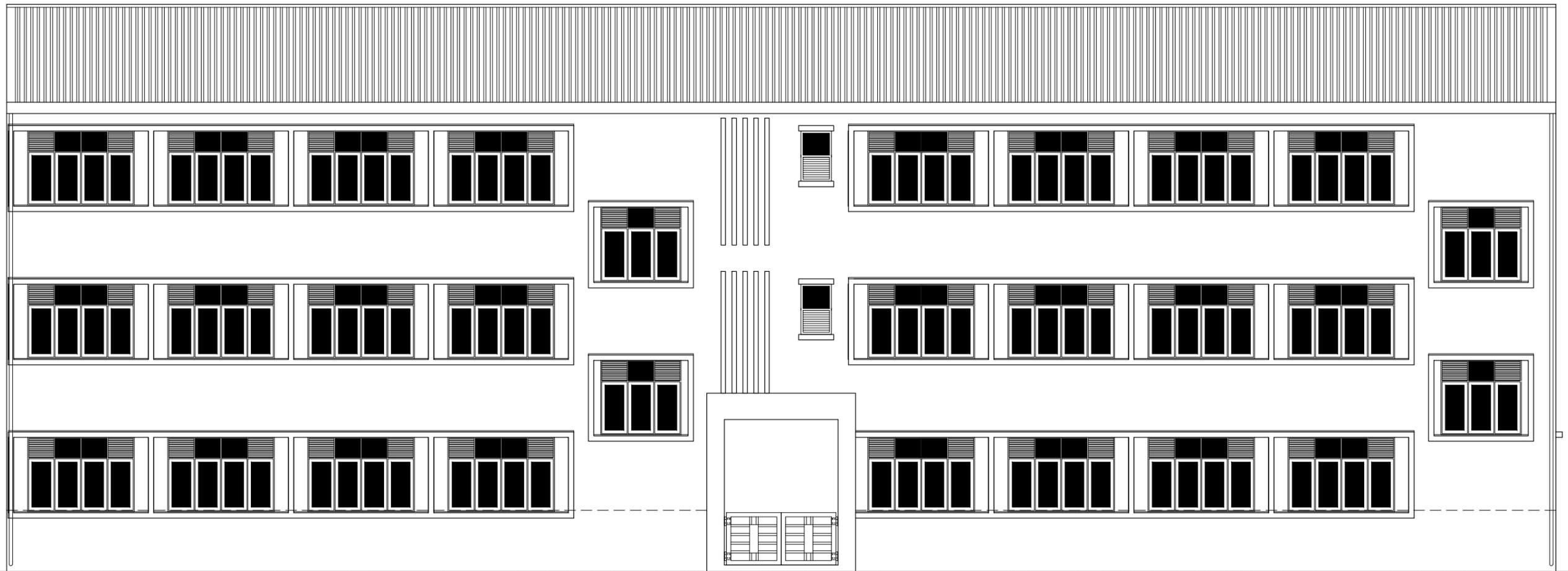
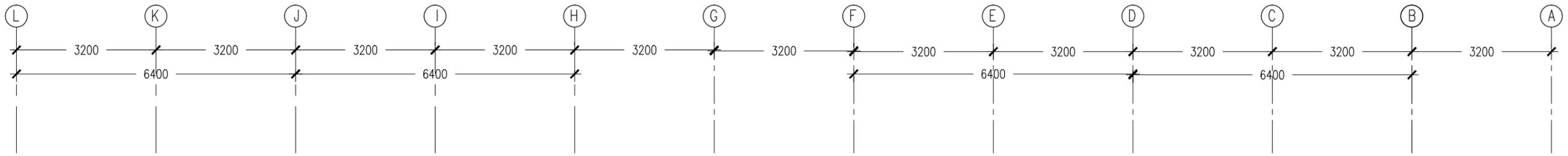
**ELEVATION - A**  
SCALE 1:100

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REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: GEMANAFUSHI SCHOOL	<b>A-05</b> DWG NO PROJECT NO.: 14-109
	ENGINEER: MOHAMED AHSAN	LOCATION: GA.GEMANAFUSHI	
	SERVICES ENG:	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: SHAMHAD SAEED	SCALE: AS GIVEN   DIMENSION: MM   DATE: MAY 2015	

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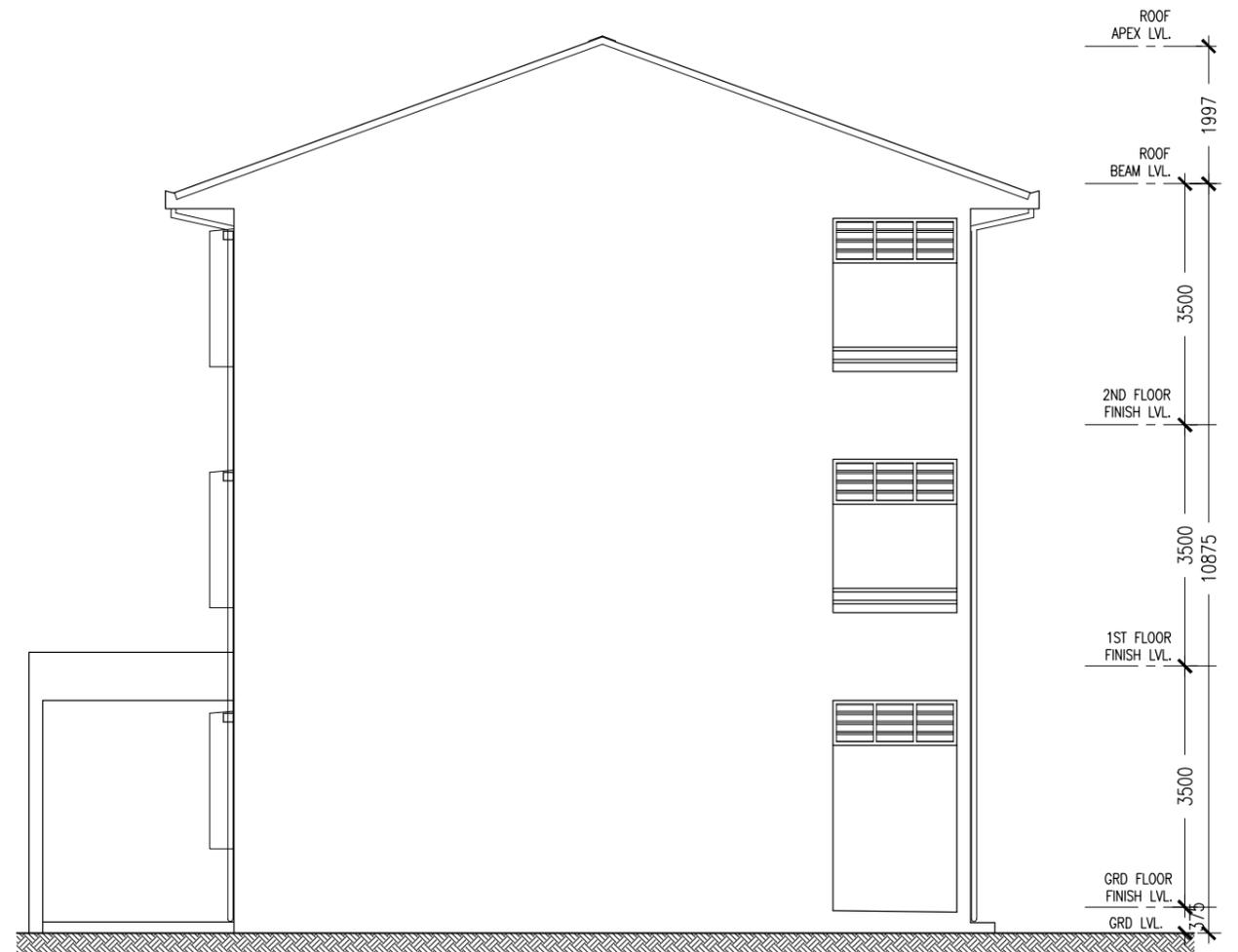
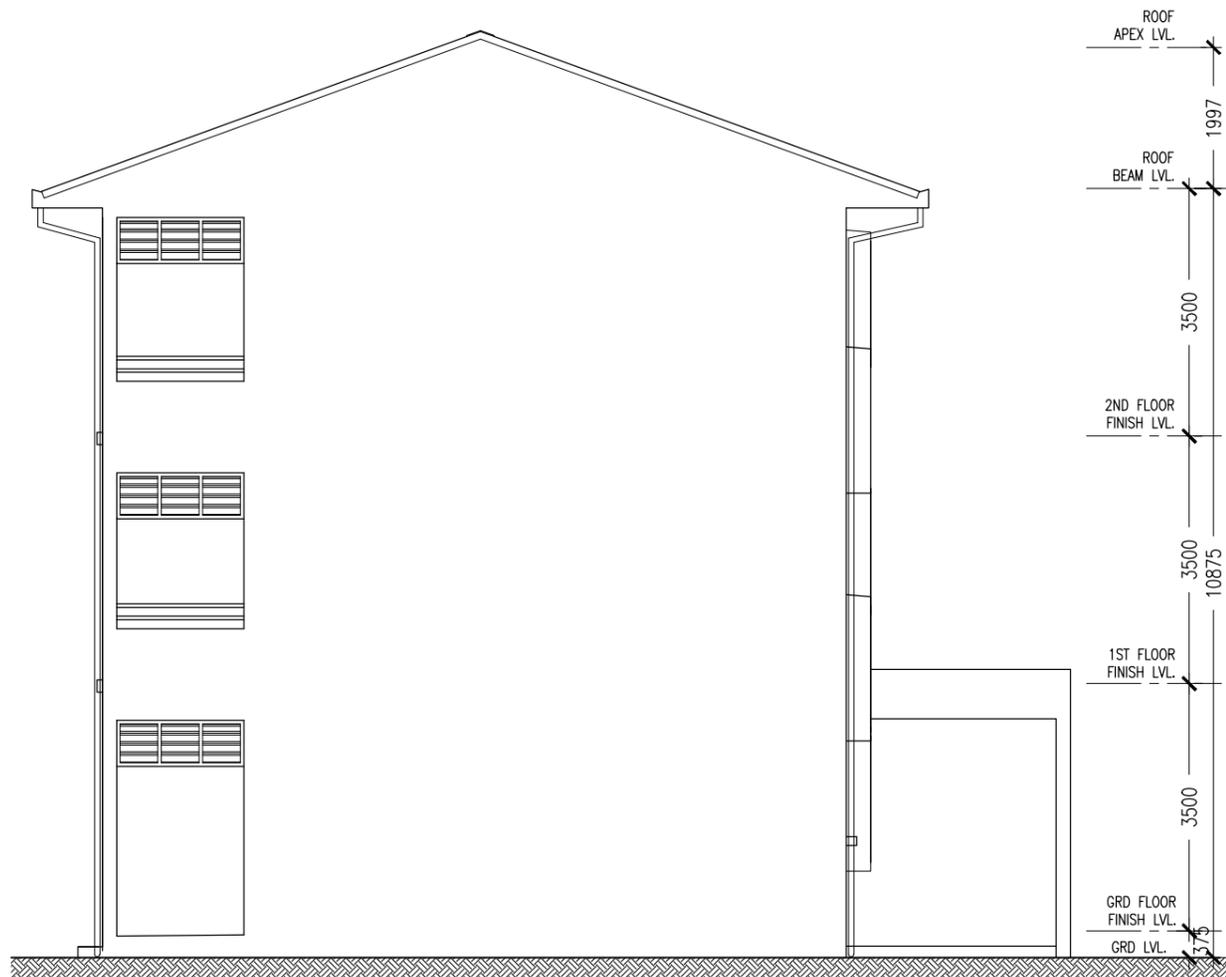
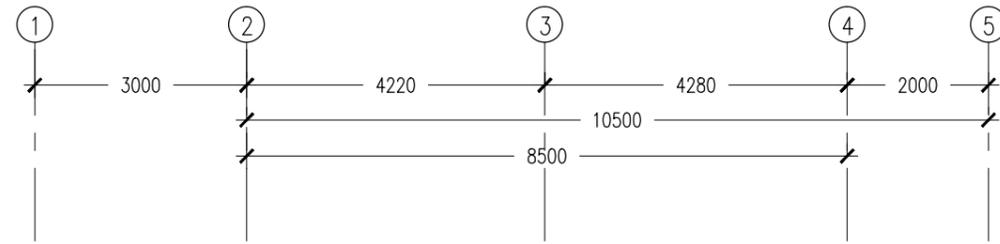
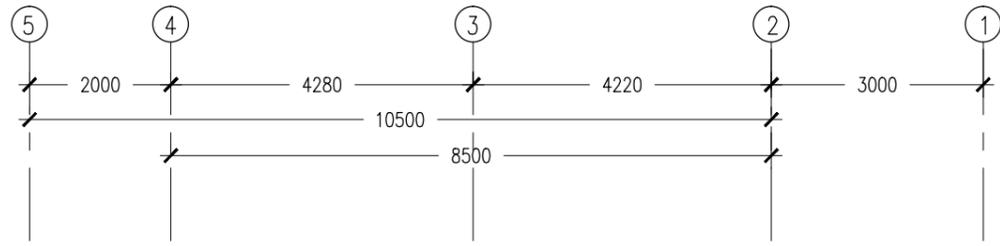


**ELEVATION - B**  
SCALE 1:100

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REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: GEMANAFUSHI SCHOOL	<b>A-06</b>
	ENGINEER: MOHAMED AHSAN	LOCATION: GA.GEMANAFUSHI	
	SERVICES ENG:	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: SHAMHAD SAEED	SCALE: AS GIVEN   DIMENSION: MM   DATE: MAY 2015	
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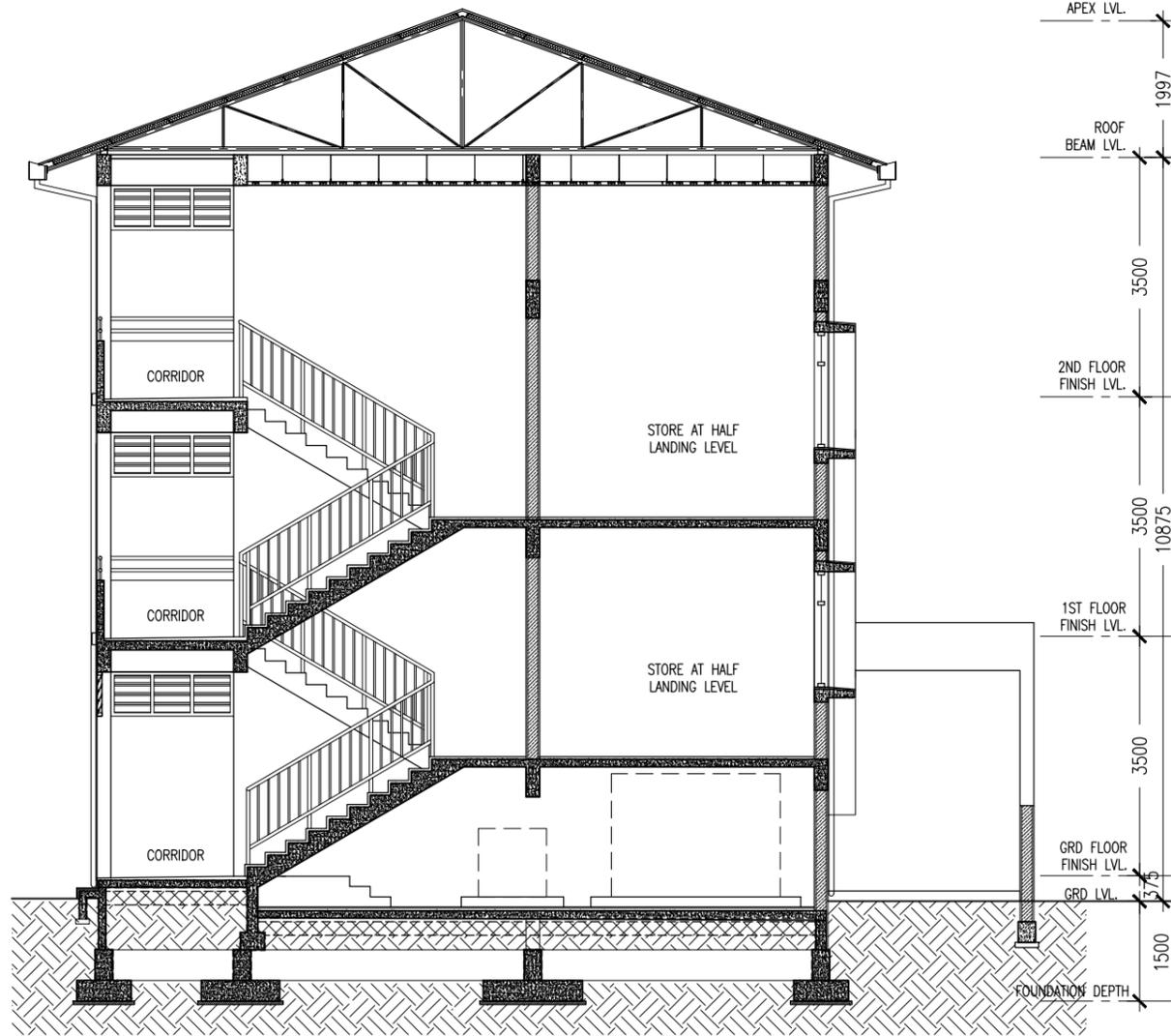
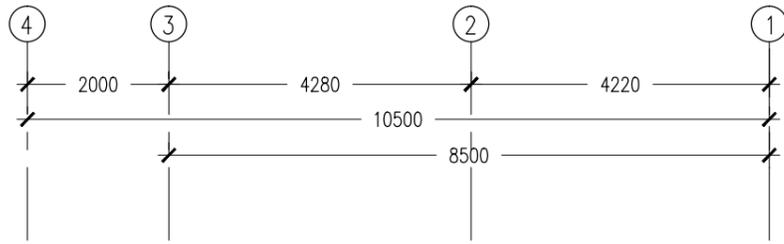
**ELEVATION - C**  
SCALE 1:100

**ELEVATION - D**  
SCALE 1:100

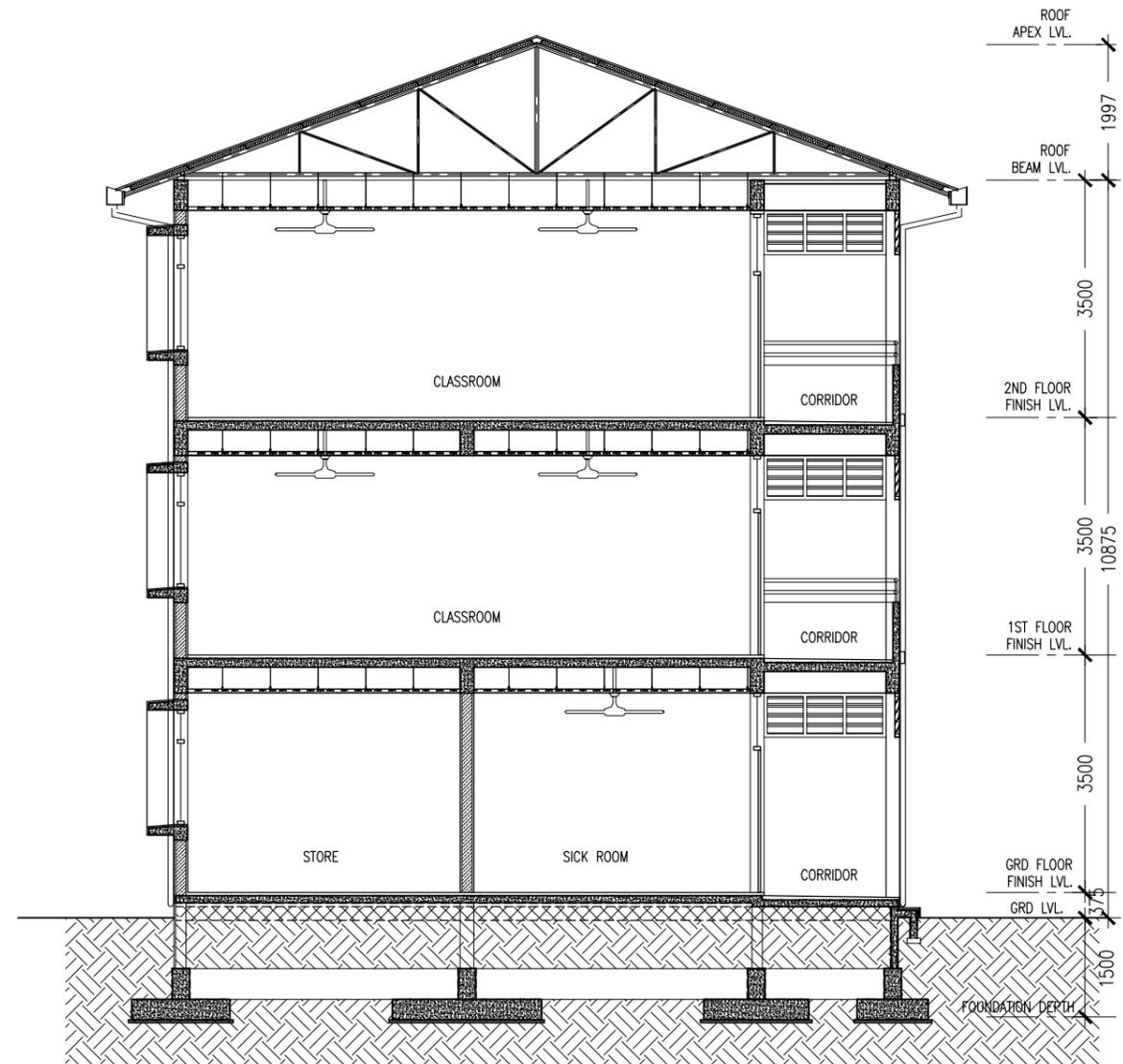
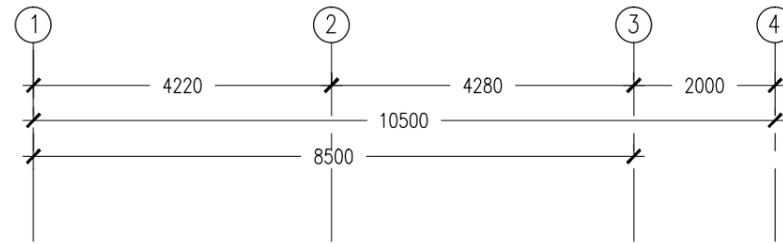
CONTRACTORS MUST CHECK ALL DIMENSIONS ON SITE BEFORE STARTING ANY WORK OR SHOP DRAWINGS, FIGURED DIMENSIONS TO TAKE PRECEDENCE OVER SCALE READINGS



REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: GEMANAFUSHI SCHOOL	<b>A-07</b> DWG NO. PROJECT NO.: 14-109
	ENGINEER: MOHAMED AHSAN	LOCATION: GA.GEMANAFUSHI	
	SERVICES ENG:	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: SHAMHAD SAEED	SCALE: AS GIVEN    DIMENSION: MM    DATE: MAY 2015	
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**SECTION X-X**  
SCALE 1:100



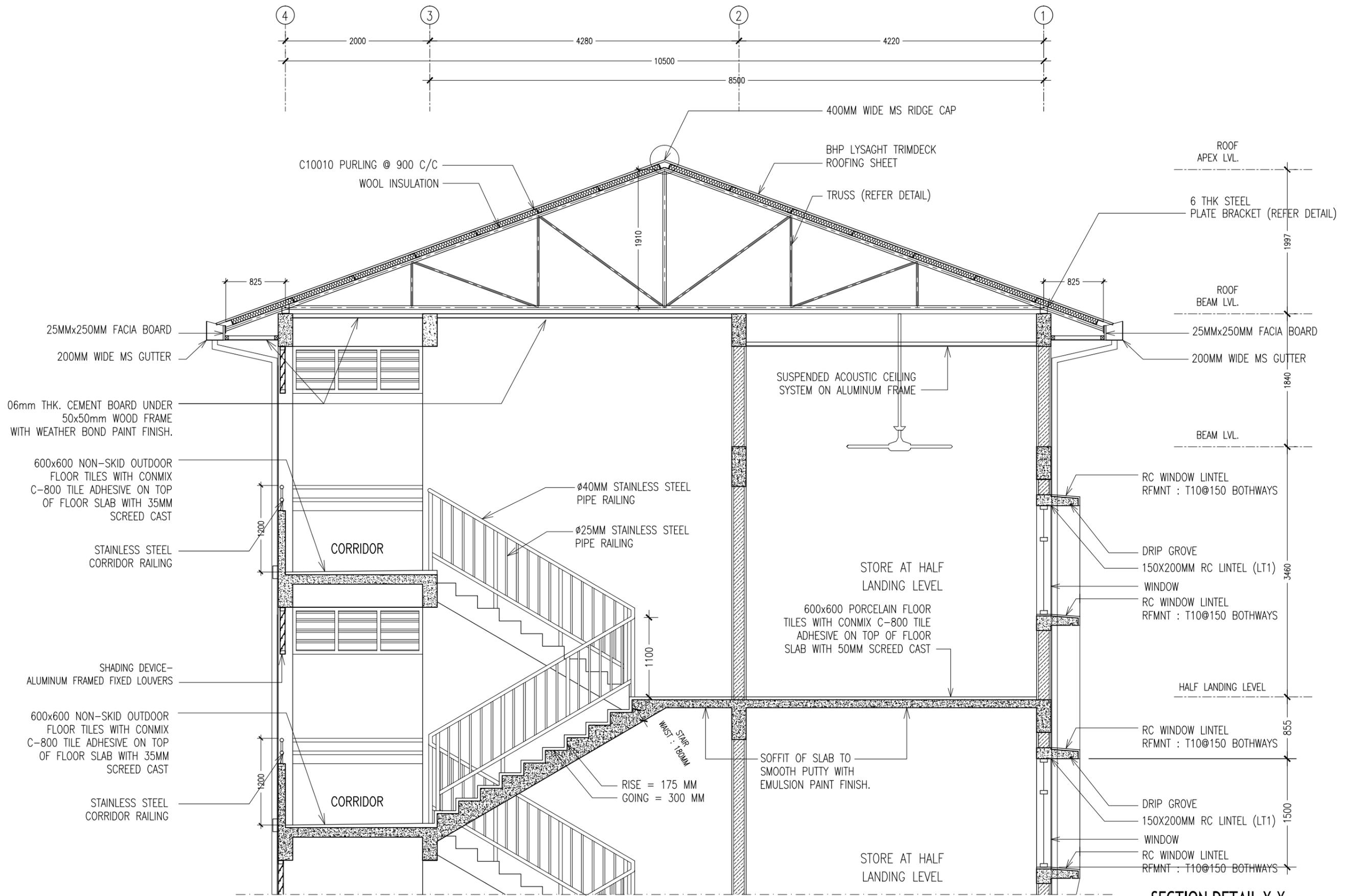
**SECTION Y-Y**  
SCALE 1:100

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REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: GEMANAFUSHI SCHOOL	<b>A-08</b> DWG NO PROJECT NO.: 14-109
	ENGINEER: MOHAMED AHSAN	LOCATION: GA.GEMANAFUSHI	
	SERVICES ENG:	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: SHAMHAD SAEED	SCALE: AS GIVEN   DIMENSION: MM   DATE: MAY 2015	
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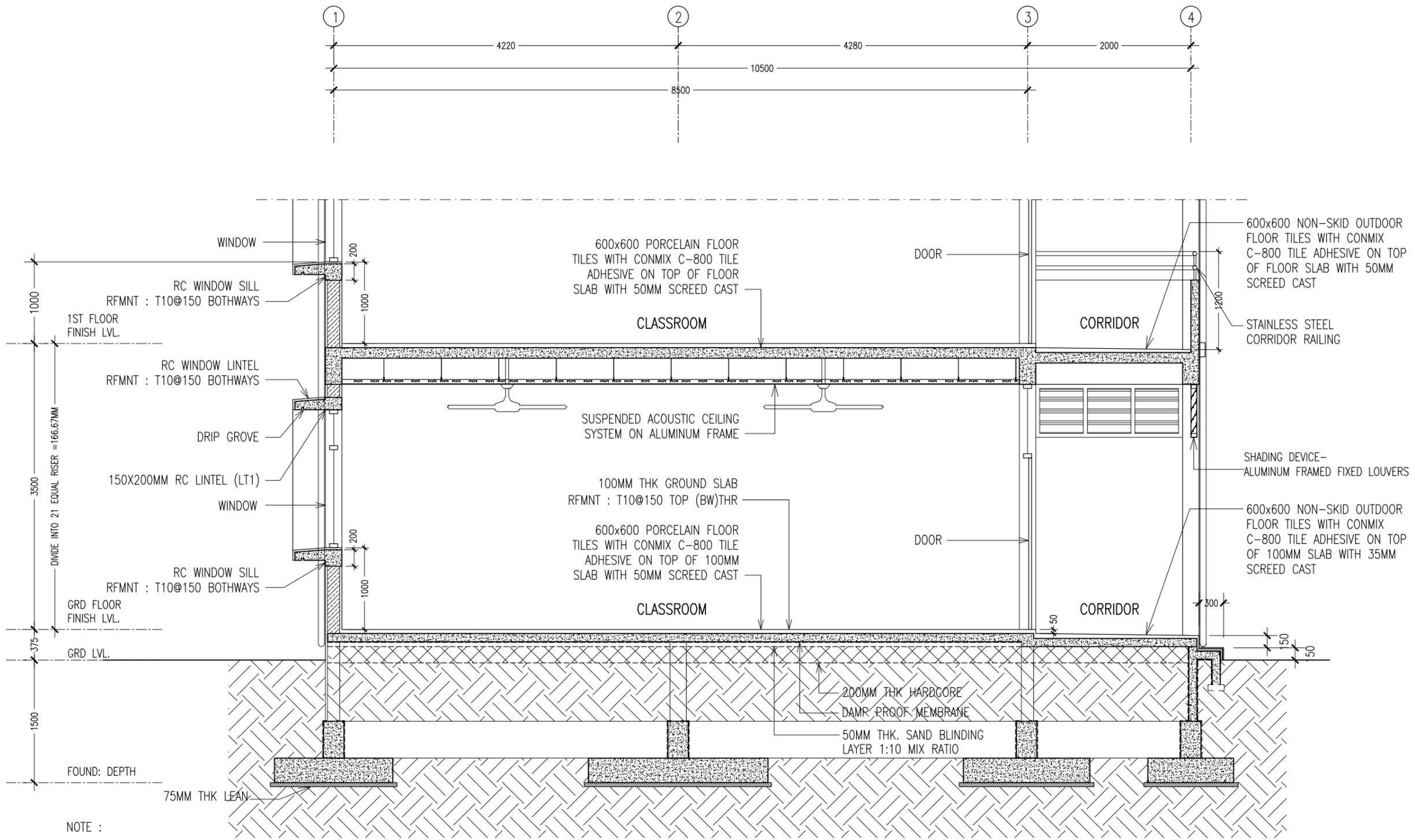


**SECTION DETAIL X-X**  
SCALE 1:50

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REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: GEMANAFUSHI SCHOOL	A-10
	ENGINEER: MOHAMED AHSAN	LOCATION: GA.GEMANAFUSHI	
	SERVICES ENG:	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: SHAMHAD SAEED	SCALE: AS GIVEN DIMENSION: MM DATE: MAY 2015	
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			PROJECT NO.: 14-109



**SECTION DETAIL Y-Y**  
SCALE 1:50

NOTE :

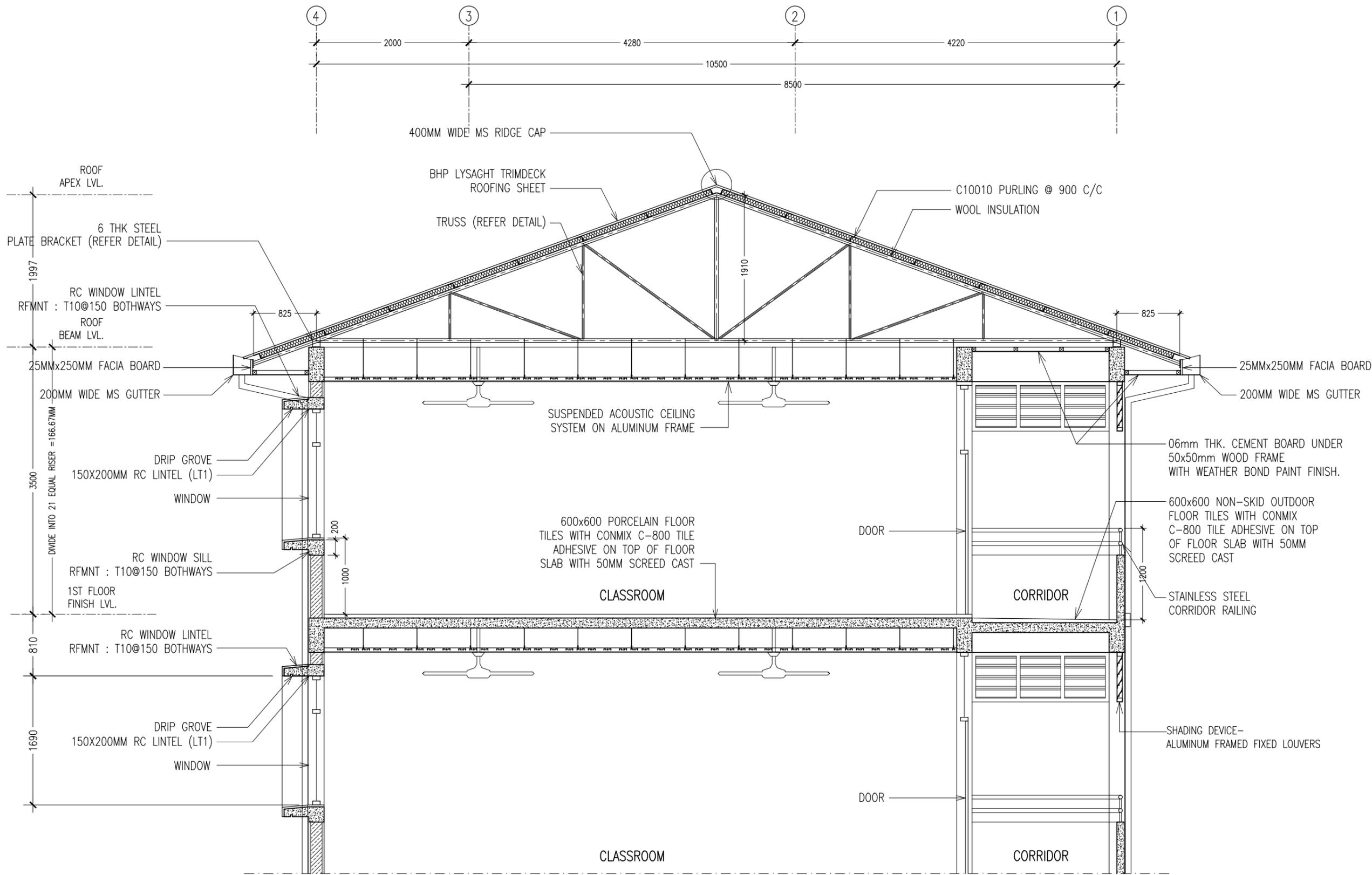
USE CONMIX MEGA ADD WL3  
CONCRETE ADMIXTURE ON ALL  
FOUNDATION CONCRETE

USE CONMIX MEGE FLOW P ON  
ALL CONCRETE WORKS COLUMNS,  
BEAMS, SLAB ...

CONTRACTORS MUST  
CHECK ALL  
DIMENSIONS ON SITE  
BEFORE STARTING  
ANY WORK OR SHOP  
DRAWINGS, FIGURED  
DIMENSIONS TO TAKE  
PRECEDENCE OVER  
SCALE READINGS



REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: GEMANAFUSHI SCHOOL	<b>A-11</b>
	ENGINEER: MOHAMED AHSAN	LOCATION: GA.GEMANAFUSHI	
	SERVICES ENG:	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: SHAMHAD SAEED	SCALE: AS GIVEN    DIMENSION: MM    DATE: MAY 2015	
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**SECTION DETAIL Y-Y**  
SCALE 1:50

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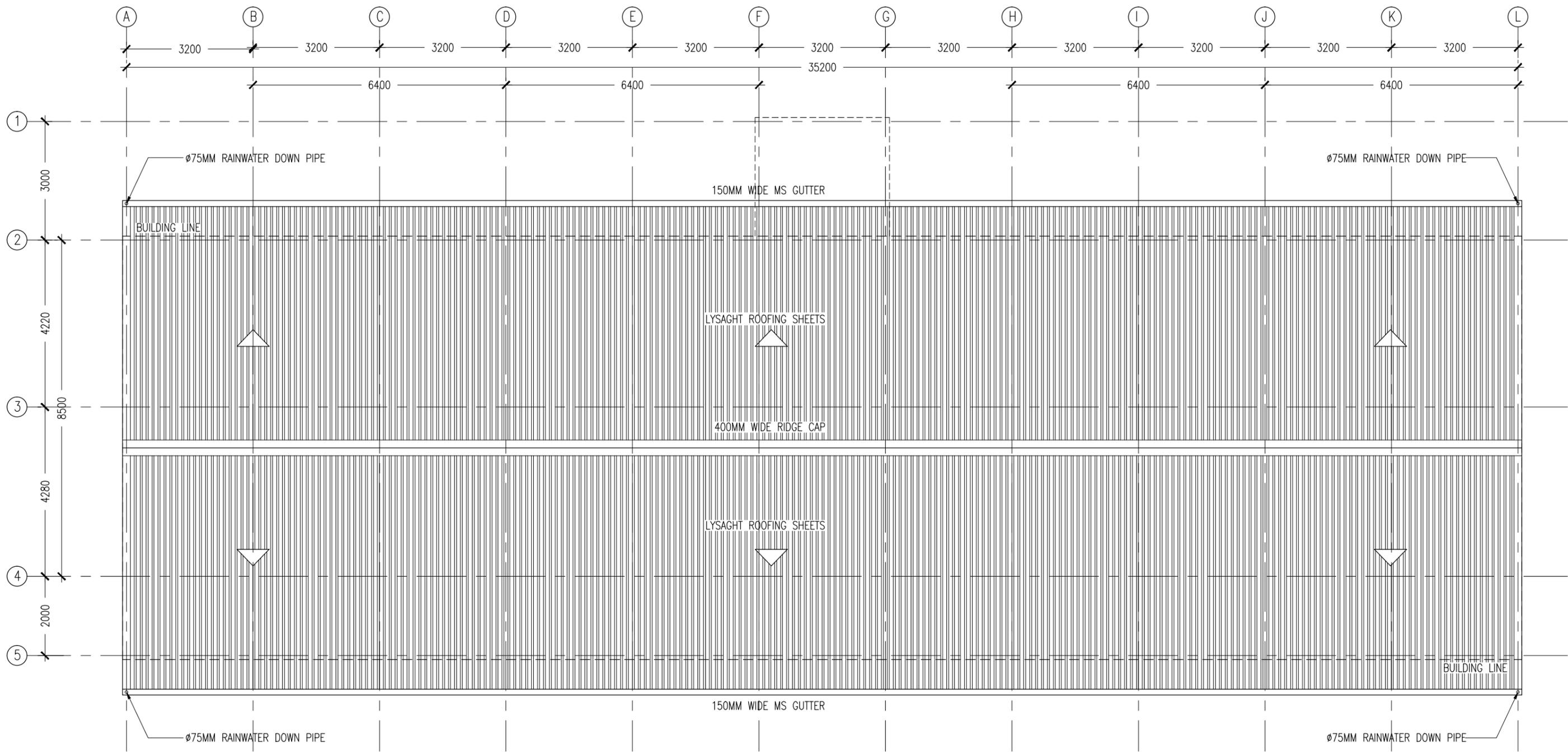
REVISION:	ARCHITECT: MOHAMED HAMEEN
	ENGINEER: MOHAMED AHSAN
	SERVICES ENG:
	ESTIMATOR:
	DRAWN BY: SHAMHAD SAEED

PROJECT: GEMANAFUSHI SCHOOL
LOCATION: GA.GEMANAFUSHI
DRAWING TITLE: AS GIVEN
CLIENT: MINISTRY OF EDUCATION
SCALE: AS GIVEN

DIMENSION: MM	DATE: MAY 2015
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**A-12**  
DWG NO  
PROJECT NO.: 14-109

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**ROOF LAYOUT PLAN**  
SCALE 1:100

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REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: GEMANAFUSHI SCHOOL	A-13 DWG NO PROJECT NO.: 14-109
	ENGINEER: MOHAMED AHSAN	LOCATION: GA.GEMANAFUSHI	
	SERVICES ENG:	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: SHAMHAD SAEED	SCALE: AS GIVEN    DIMENSION: MM    DATE: MAY 2015	

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ELEVATIONS :							
FINISH FLOOR LEVEL	↓						
DR / WD NO.	D1	D2	D3	W1	W1A	W2	W3
DESCRIPTION :	40MM THICK OPENABLE SOLID TIMBER DOOR PANEL	40MM THICK OPENABLE SOLID TIMBER DOOR PANEL	40MM THICK OPENABLE SOLID TIMBER DOOR PANEL	ALUMINUM FRAMED WINDOW PANEL	ALUMINUM FRAMED WINDOW PANEL	ALUMINUM FRAMED SLIDING WINDOW PANEL	ALUMINUM FRAMED FIXED LOUVRE WINDOW PANEL
FRAME :	120MM TIMBER FRAME	120MM TIMBER FRAME	120MM TIMBER FRAME	80 MICRON WHITE POWDER COATED ALUMINIUM FRAME	80 MICRON WHITE POWDER COATED ALUMINIUM FRAME	80 MICRON WHITE POWDER COATED ALUMINIUM FRAME	80 MICRON WHITE POWDER COATED ALUMINIUM FRAME
HARDWARE :	DOOR CLOSER CYLINDRICAL LOCK BUTT HINGE STOPPER HOLDER	DOOR CLOSER CYLINDRICAL LOCK BUTT HINGE STOPPER HOLDER	DOOR CLOSER CYLINDRICAL LOCK BUTT HINGE STOPPER HOLDER				
GLAZING :	C-4MM ALL FIXED PANELS TO BE DOUBLE GLAZED	C-4MM ALL FIXED PANELS TO BE DOUBLE GLAZED	C-4MM ALL FIXED PANELS TO BE DOUBLE GLAZED	C-5MM THICK BLUE TINTED GLASS	C-5MM THICK BLUE TINTED GLASS	C-5MM THICK BLUE TINTED GLASS ALL FIXED PANELS TO BE DOUBLE GLAZED	

ELEVATIONS :		
FINISH FLOOR LEVEL	↓	
DR / WD NO.	SHADING DEVICE (FRONT) TYPE-1	SHADING DEVICE (SIDE) TYPE-2
DESCRIPTION :	ALUMINUM FRAMED FIXED LOUVRE WINDOW PANEL	ALUMINUM FRAMED FIXED LOUVRE WINDOW PANEL
FRAME :	80 MICRON WHITE POWDER COATED ALUMINIUM FRAME	80 MICRON WHITE POWDER COATED ALUMINIUM FRAME
HARDWARE :	( REFER ELEVATIONS FOR LOCATION )	( REFER ELEVATIONS FOR LOCATION )
GLAZING :		

**GENERAL NOTES:**

SHOP DRAWINGS FOR ALL DOORS AND WINDOWS SHALL BE PROVIDED SHOWING LOCATION AND TYPE OF IRONMONGERIES

ALL DIMENSIONS TO BE CHECKED ON SITE PRIOR TO FABRICATION

ALL TIMBER FOR WOODEN DOORS SHALL BE TREATED FOR THE USE IN INDOORS.

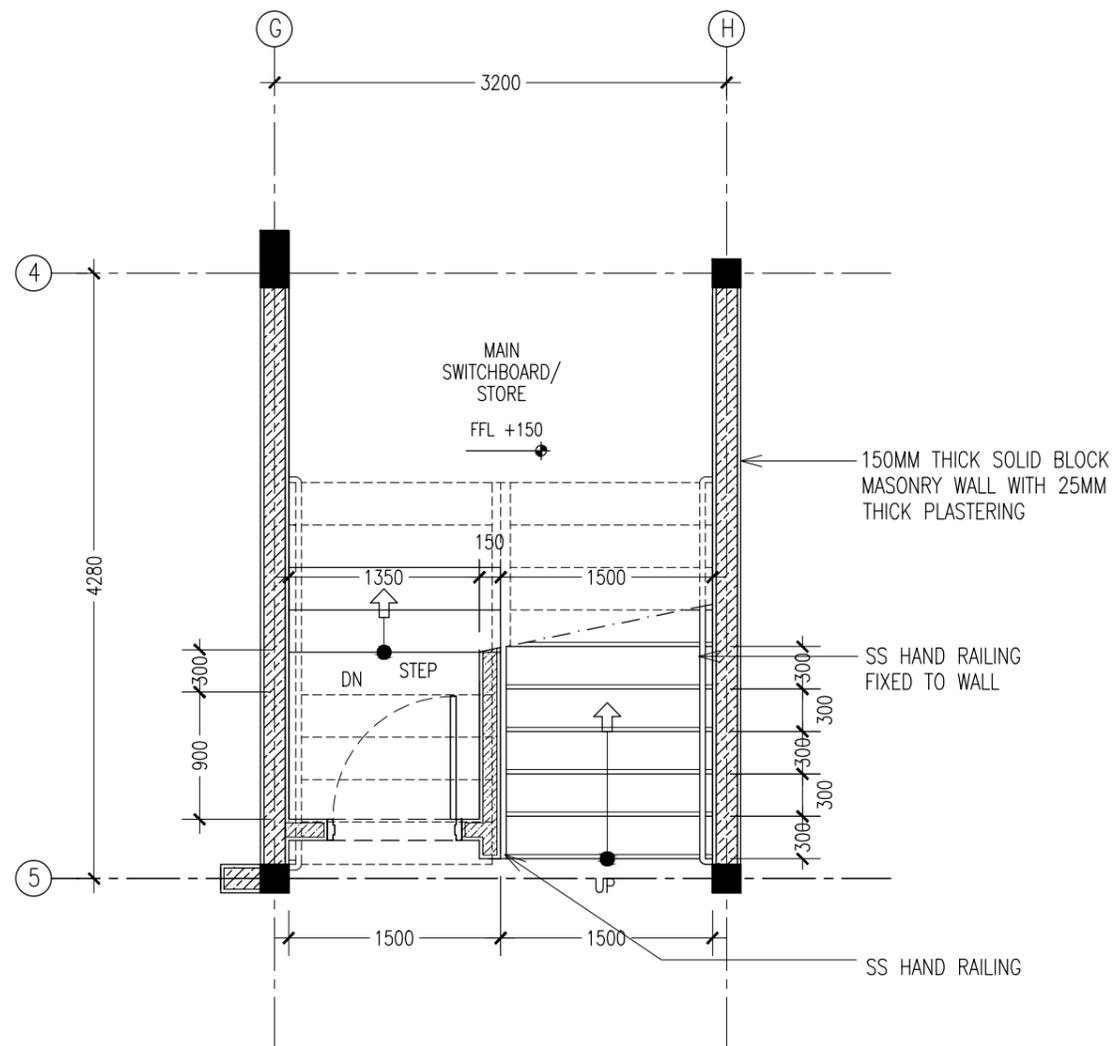
FG : FIXED GLASS  
FTL : FIXED TIMBER LOUVERS  
FAL : FIXED ALUMINIUM LOUVERS

**DOO/WINDOW SCHEDULE**  
SCALE 1:50

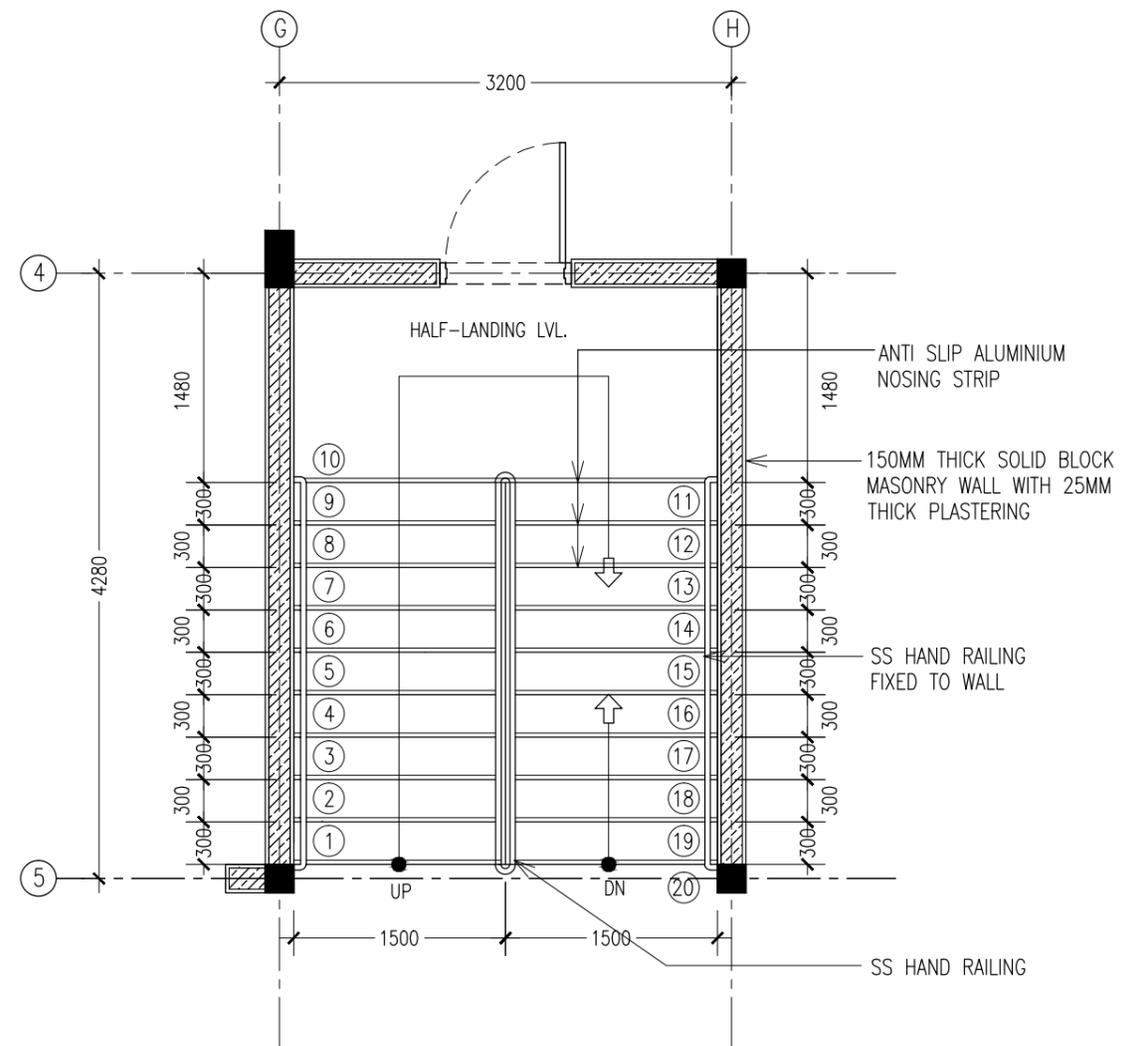
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REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: GEMANAFUSHI SCHOOL	<b>A-14</b> DWG NO
	ENGINEER: MOHAMED AHSAN	LOCATION: GA.GEMANAFUSHI	
	SERVICES ENG:	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: SHAMHAD SAEED	SCALE: AS GIVEN   DIMENSION: MM   DATE: MAY 2015	
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TYPICAL GROUND FLOOR STAIR PLAN  
SCALE 1:50



TYPICAL 1ST-2ND FLOOR STAIR PLAN  
SCALE 1:50

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REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: GEMANAFUSHI SCHOOL
	ENGINEER: MOHAMED AHSAN	LOCATION: GA.GEMANAFUSHI
	SERVICES ENG:	DRAWING TITLE: AS GIVEN
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION
	DRAWN BY: SHAMHAD SAEED	SCALE: AS GIVEN DIMENSION: MM DATE: MAY 2015

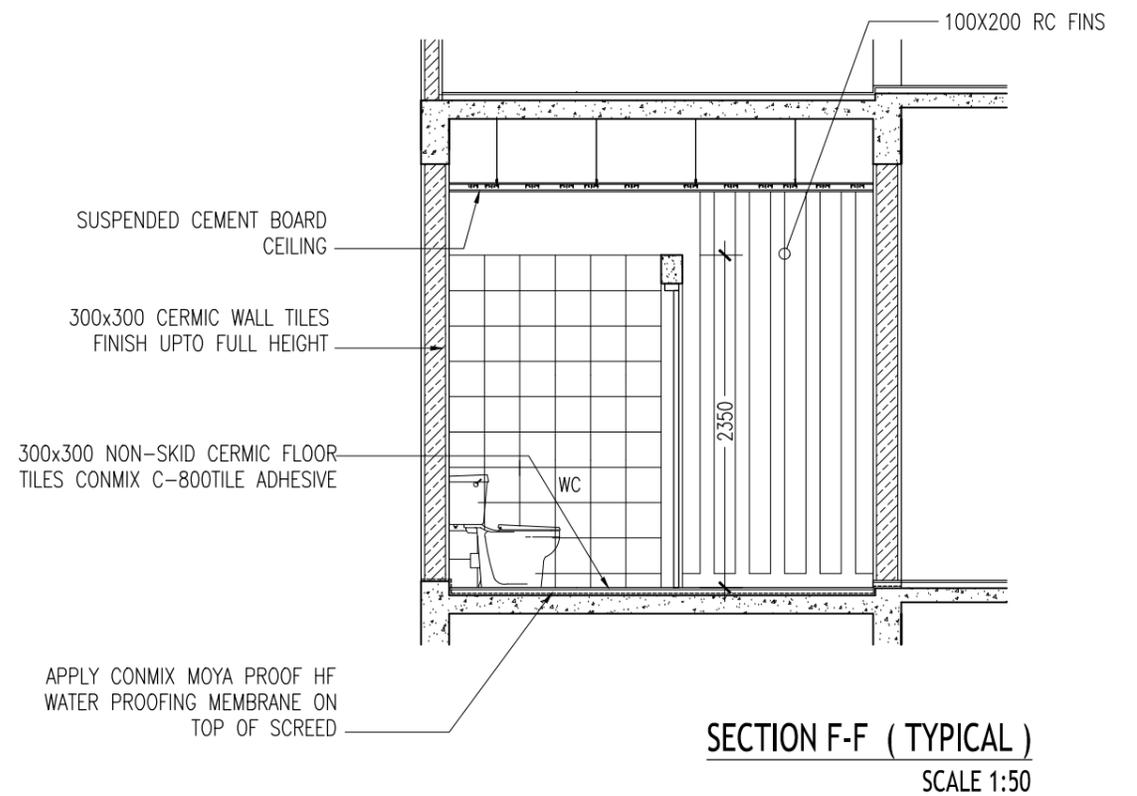
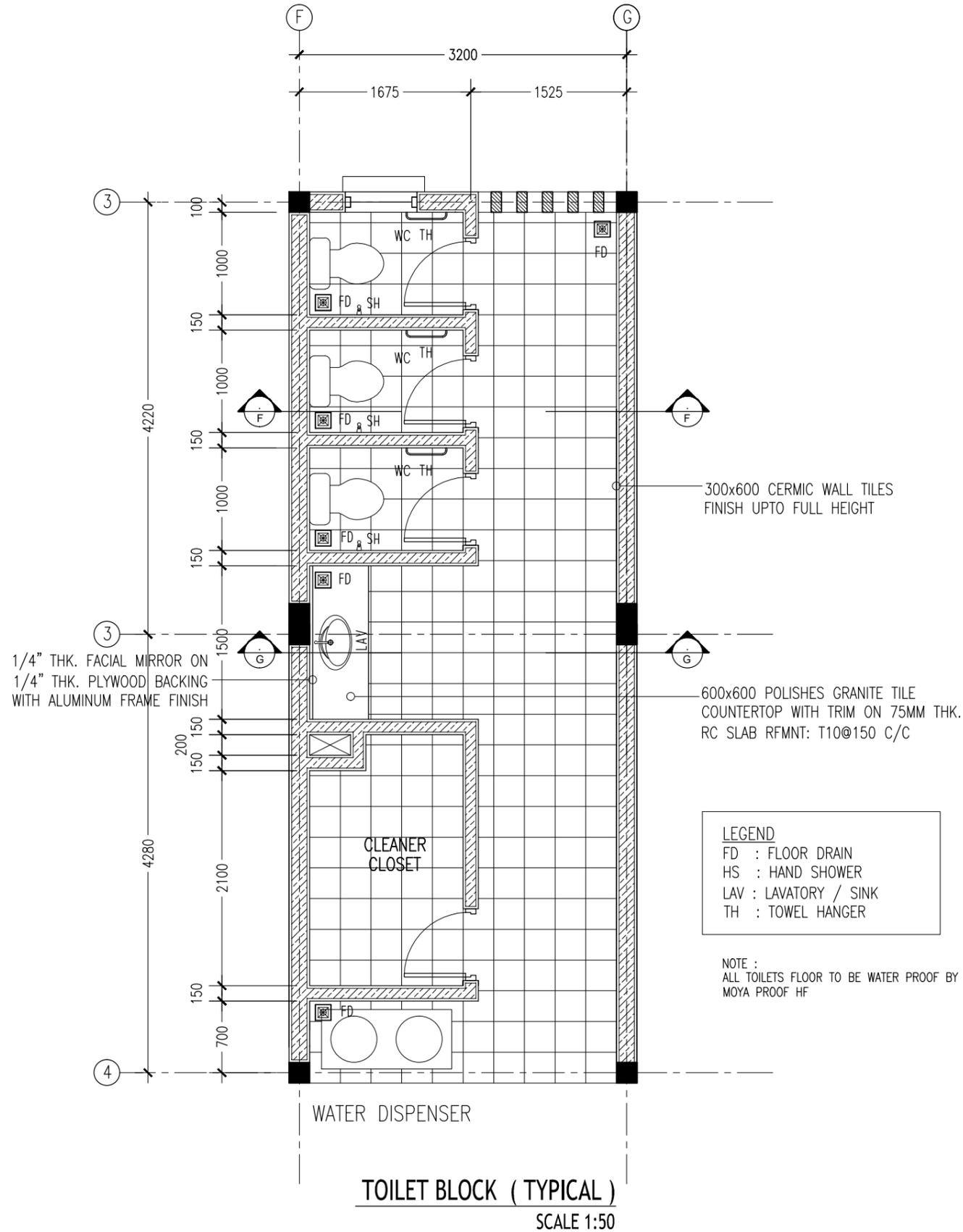
ARCHITECT: MOHAMED HAMEEN	PROJECT: GEMANAFUSHI SCHOOL
ENGINEER: MOHAMED AHSAN	LOCATION: GA.GEMANAFUSHI
SERVICES ENG:	DRAWING TITLE: AS GIVEN
ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION
DRAWN BY: SHAMHAD SAEED	SCALE: AS GIVEN DIMENSION: MM DATE: MAY 2015

PROJECT: GEMANAFUSHI SCHOOL	LOCATION: GA.GEMANAFUSHI
DRAWING TITLE: AS GIVEN	CLIENT: MINISTRY OF EDUCATION
SCALE: AS GIVEN	DIMENSION: MM DATE: MAY 2015

PROJECT NO.: 14-109
---------------------

A-15

DWG NO

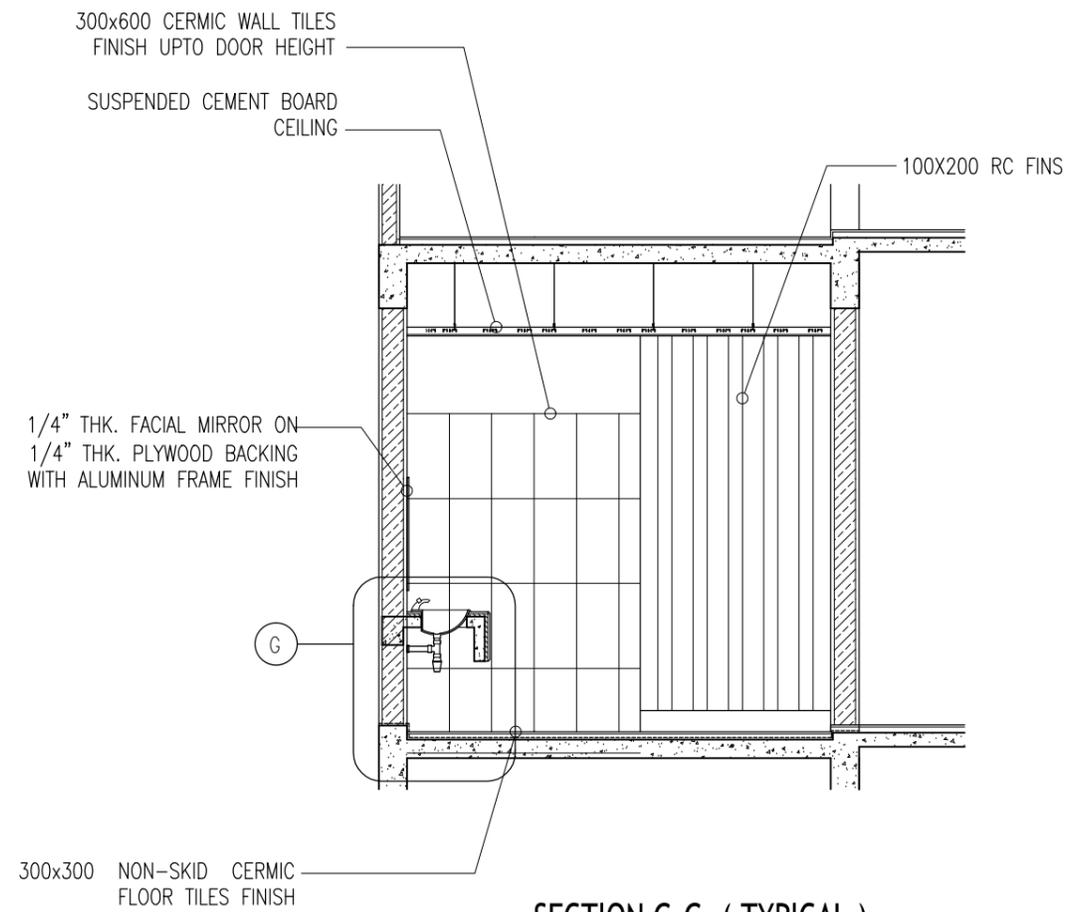


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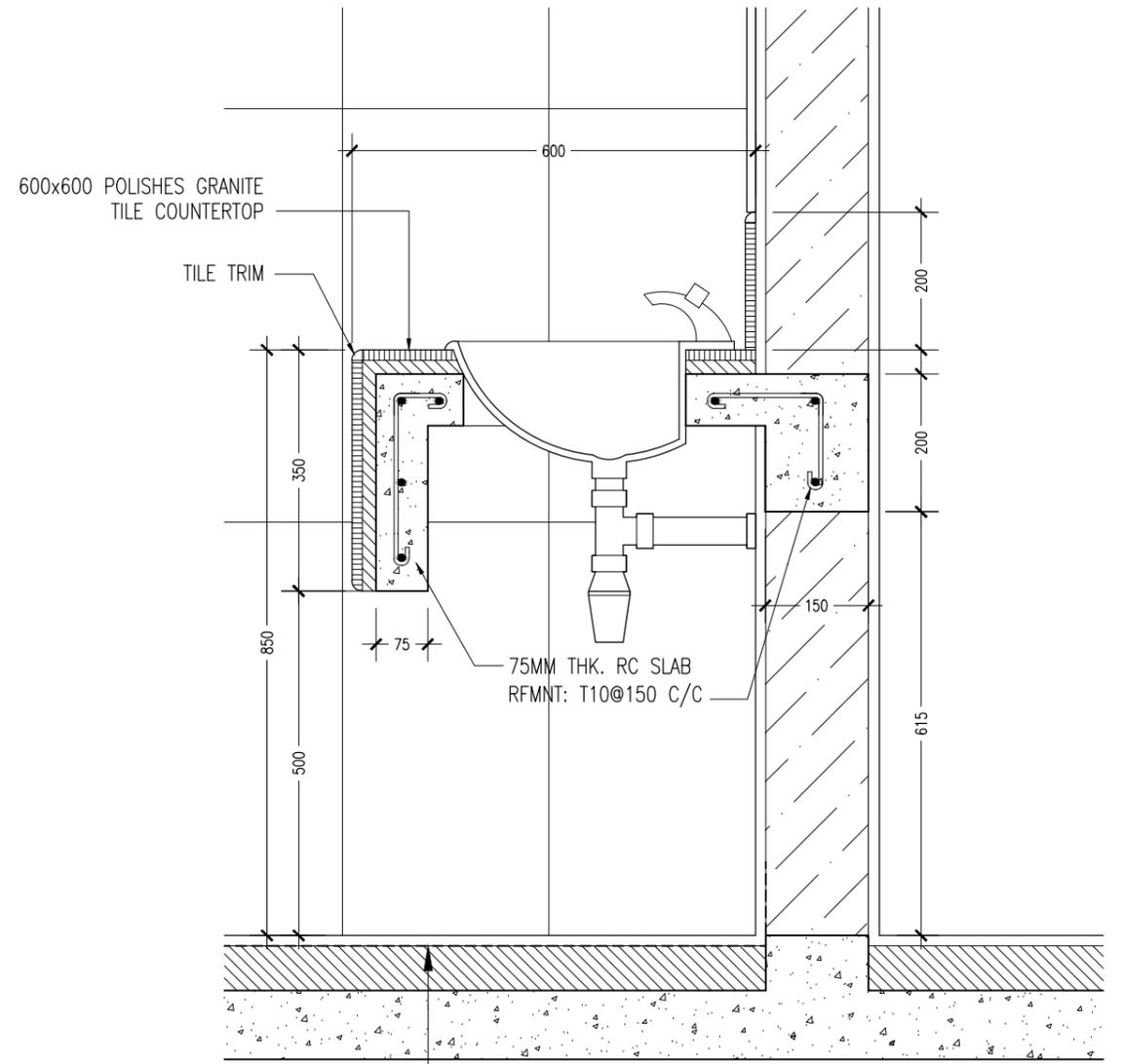


REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: GEMANAFUSHI SCHOOL	A-16 DWG NO
	ENGINEER: MOHAMED AHSAN	LOCATION: GA.GEMANAFUSHI	
	SERVICES ENG:	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: SHAMHAD SAEED	SCALE: AS GIVEN DIMENSION: MM DATE: MAY 2015	
PROJECT NO.: 14-109			

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**SECTION G-G ( TYPICAL )**  
SCALE 1:50



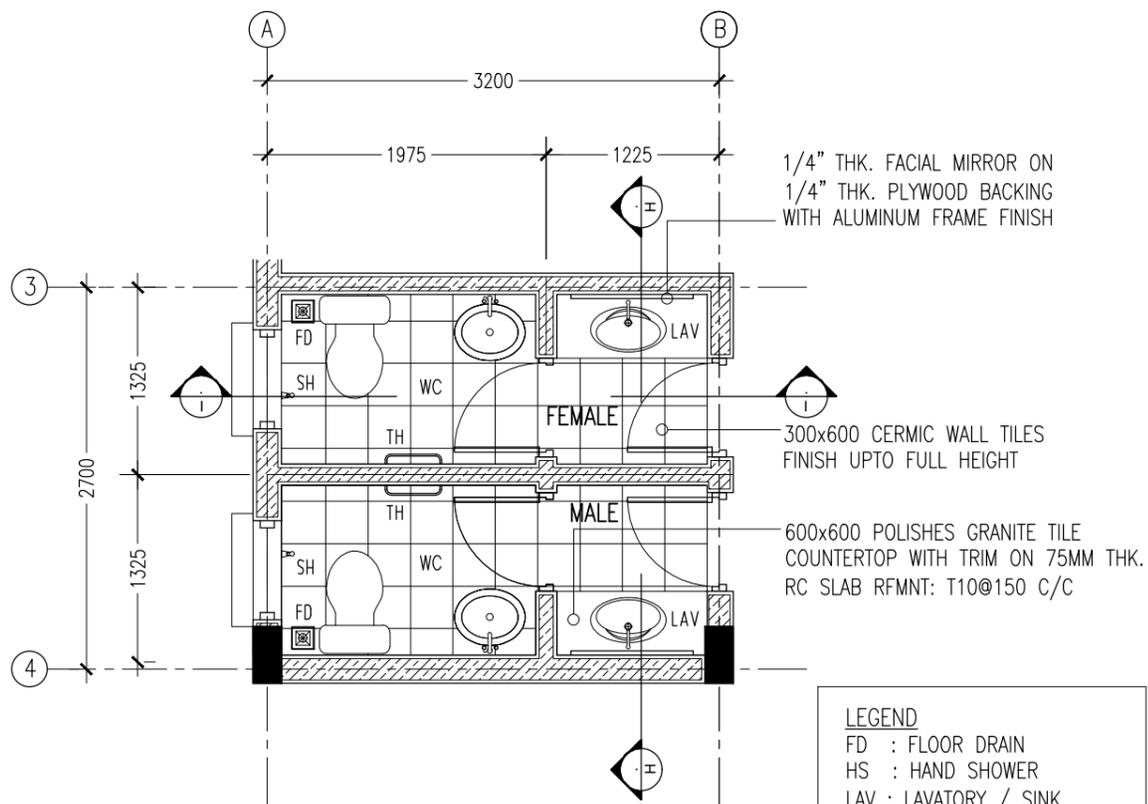
APPLY CONMIX MOYA PROOF HF  
WATER PROOFING MEMBRANE ON  
TOP OF SCREED

**SECTION DETAILS G**  
SCALE 1:10

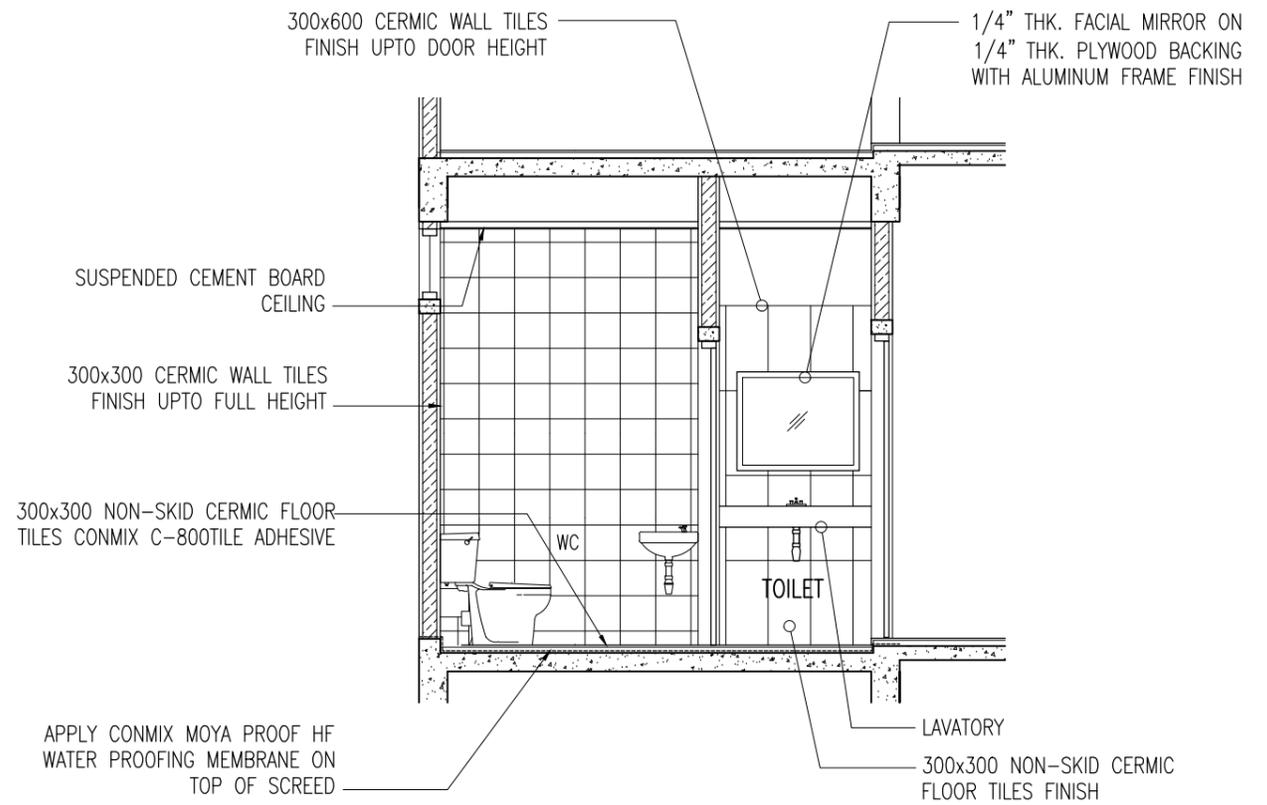
CONTRACTORS MUST  
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DIMENSIONS ON SITE  
BEFORE STARTING  
ANY WORK OR SHOP  
DRAWINGS FIGURED  
DIMENSIONS TO TAKE  
PRECEDENCE OVER  
SCALE READINGS



REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: GEMANAFUSHI SCHOOL	<b>A-17</b>
	ENGINEER: MOHAMED AHSAN	LOCATION: GA.GEMANAFUSHI	
	SERVICES ENG:	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: SHAMHAD SAEED	SCALE: AS GIVEN   DIMENSION: MM   DATE: MAY 2015	
CONCEPT AND DESIGN IN THIS DRAWING ARE THE PROPERTIES OF ARCHENG STUDIO PVT LTD. UNAUTHORIZED USE OR REPRODUCTION OF PART OF THE DESIGN DRAWINGS OR CONCEPT TO USE IN OTHER PROJECTS OR SITES OTHER THAN SPECIFIED ON THIS DRAWING IS PROHIBITED			DWG NO: PROJECT NO.: 14-109



**TOILET BLOCK ( TYPICAL )**  
SCALE 1:50

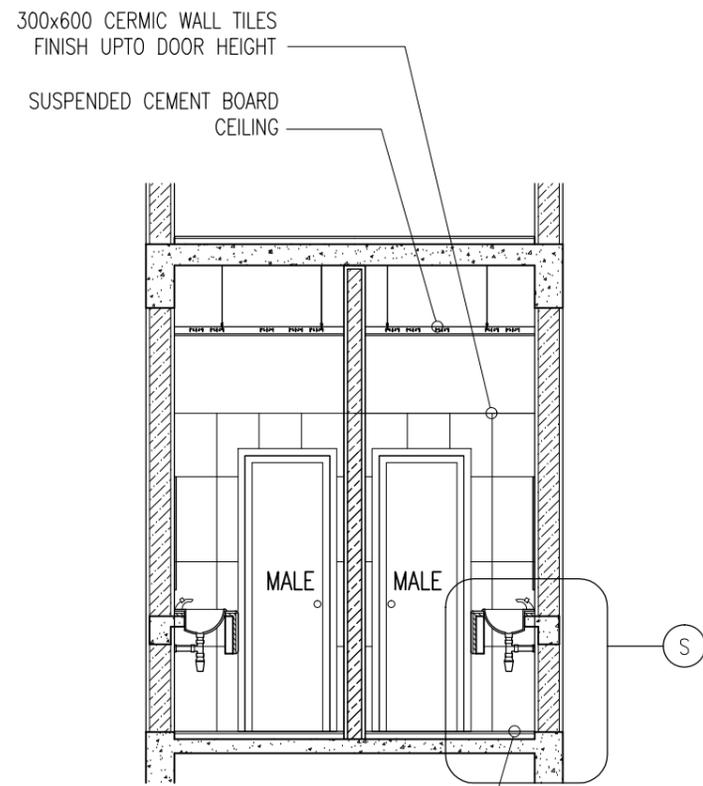


**SECTION I-I ( TYPICAL )**  
SCALE 1:50

CONTRACTORS MUST CHECK ALL DIMENSIONS ON SITE BEFORE STARTING ANY WORK OR SHOP DRAWINGS, FIGURED DIMENSIONS TO TAKE PRECEDENCE OVER SCALE READINGS



REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: GEMANAFUSHI SCHOOL	<b>A-18</b>
	ENGINEER: MOHAMED AHSAN	LOCATION: GA.GEMANAFUSHI	
	SERVICES ENG:	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: SHAMHAD SAEED	SCALE: AS GIVEN   DIMENSION: MM   DATE: MAY 2015	
CONCEPT AND DESIGN IN THIS DRAWING ARE THE PROPERTIES OF ARCHENG STUDIO PVT.LTD. UNAUTHORIZED USE OR REPRODUCTION OF PART OF THE DESIGN, DRAWINGS OR CONCEPT TO USE IN OTHER PROJECTS OR SITES OTHER THAN SPECIFIED ON THIS DRAWING IS PROHIBITED			DWG NO PROJECT NO.: 14-109



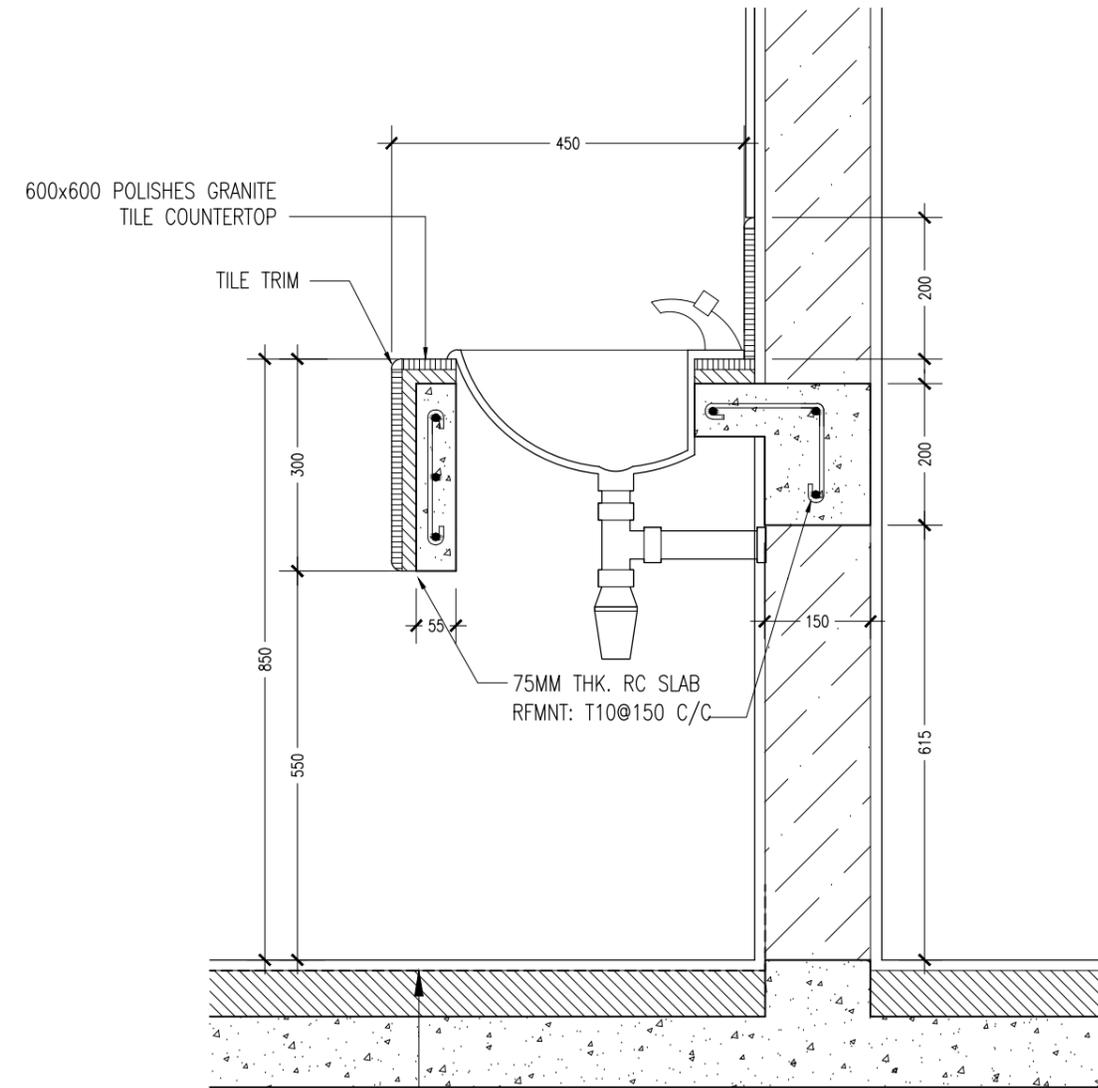
300x600 CERMIC WALL TILES  
FINISH UPTO DOOR HEIGHT

SUSPENDED CEMENT BOARD  
CEILING

300x300 NON-SKID CERMIC  
FLOOR TILES FINISH

NOTE :  
ALL TOILETS FLOOR TO BE  
WATER PROOF BYMOYA PROOF HF

**SECTION H-H ( TYPICAL )**  
SCALE 1:50



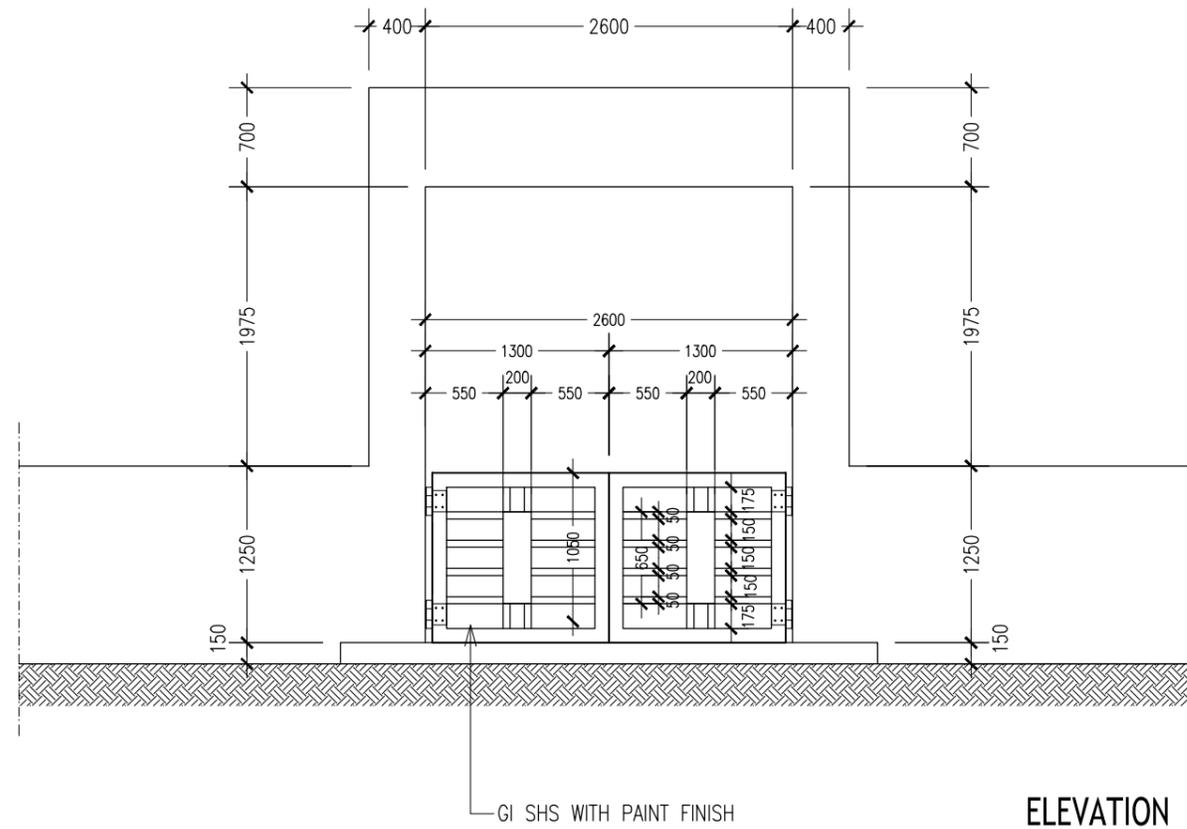
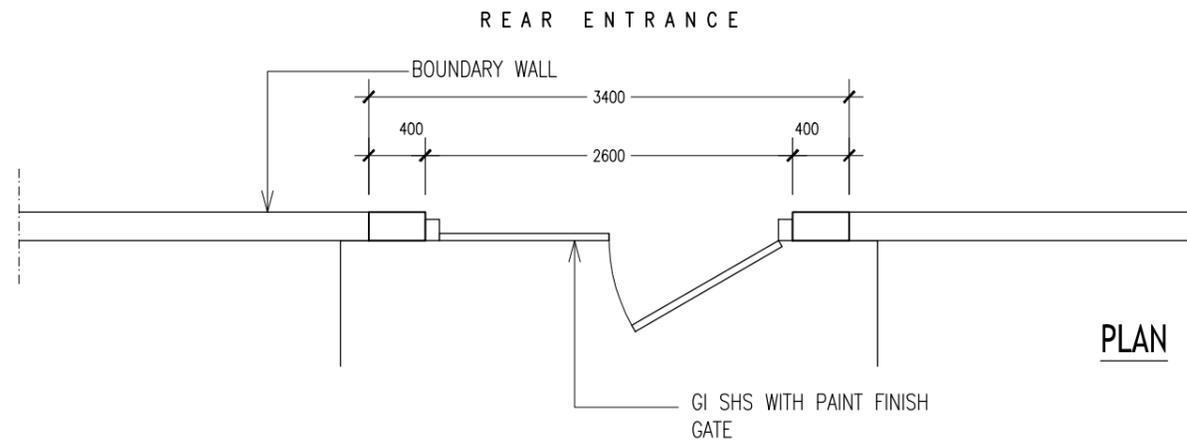
APPLY CONMIX MOYA PROOF HF  
WATER PROOFING MEMBRANE ON  
TOP OF SCREED

**SECTION DETAILS S**  
SCALE 1:10

CONTRACTORS MUST  
CHECK ALL  
DIMENSIONS ON SITE  
BEFORE STARTING  
ANY WORK OR SHOP  
DRAWINGS.FIGURED  
DIMENSIONS TO TAKE  
PRECEDENCE OVER  
SCALE READINGS



REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: GEMANAFUSHI SCHOOL	<b>A-19</b> DWG NO PROJECT NO.: 14-109
	ENGINEER: MOHAMED AHSAN	LOCATION: GA.GEMANAFUSHI	
	SERVICES ENG:	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: SHAMHAD SAEED	SCALE: AS GIVEN DIMENSION: MM DATE: MAY 2015	
CONCEPT AND DESIGN IN THIS DRAWING ARE THE PROPERTIES OF ARCHENG STUDIO PVT.LTD. UNAUTHORIZED USE OR REPRODUCTION OF PART OF THE DESIGN,DRAWINGS OR CONCEPT TO USE IN OTHER PROJECTS OR SITES OTHER THAN SPECIFIED ON THIS DRAWING IS PROHIBITED			



**ENTRANCE GATE ( REAR ) DETAILS**  
SCALE 1:50

CONTRACTORS MUST CHECK ALL DIMENSIONS ON SITE BEFORE STARTING ANY WORK OR SHOP DRAWINGS. FIGURED DIMENSIONS TO TAKE PRECEDENCE OVER SCALE READINGS

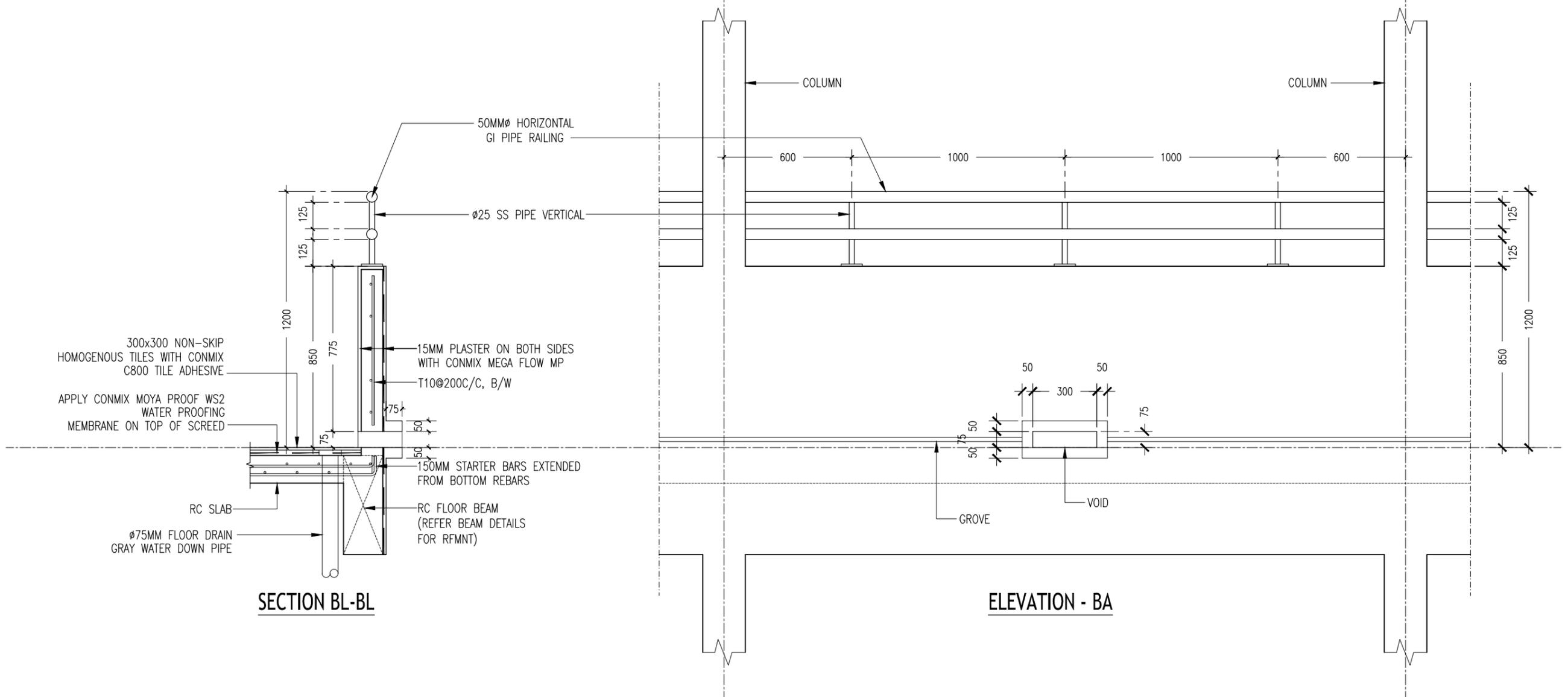
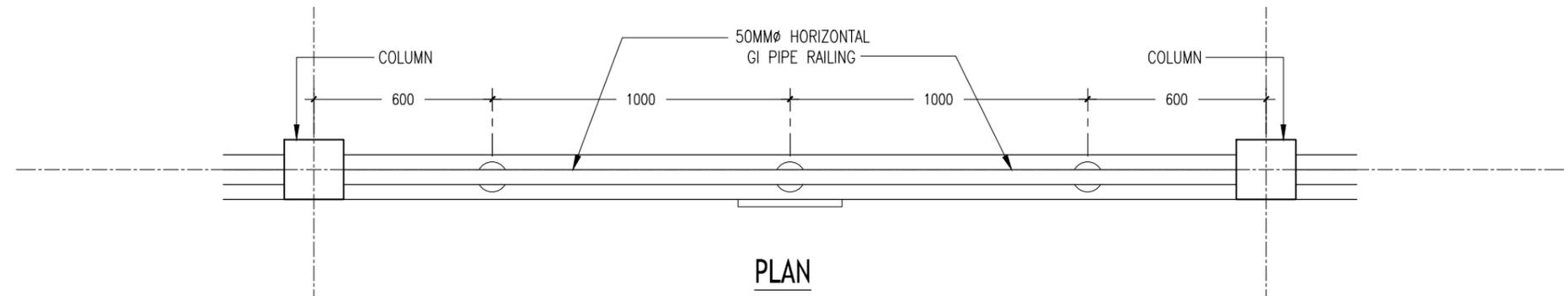


REVISION:	ARCHITECT: MOHAMED HAMEEN
	ENGINEER: MOHAMED AHSAN
	SERVICES ENG:
	ESTIMATOR:
	DRAWN BY: SHAMHAD SAEED

PROJECT: GEMANAFUSHI SCHOOL
LOCATION: GA.GEMANAFUSHI
DRAWING TITLE: AS GIVEN
CLIENT: MINISTRY OF EDUCATION
SCALE: AS GIVEN

DIMENSION: MM	DATE: MAY 2015
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DWG NO	<b>A-20</b>
PROJECT NO.: 14-109	

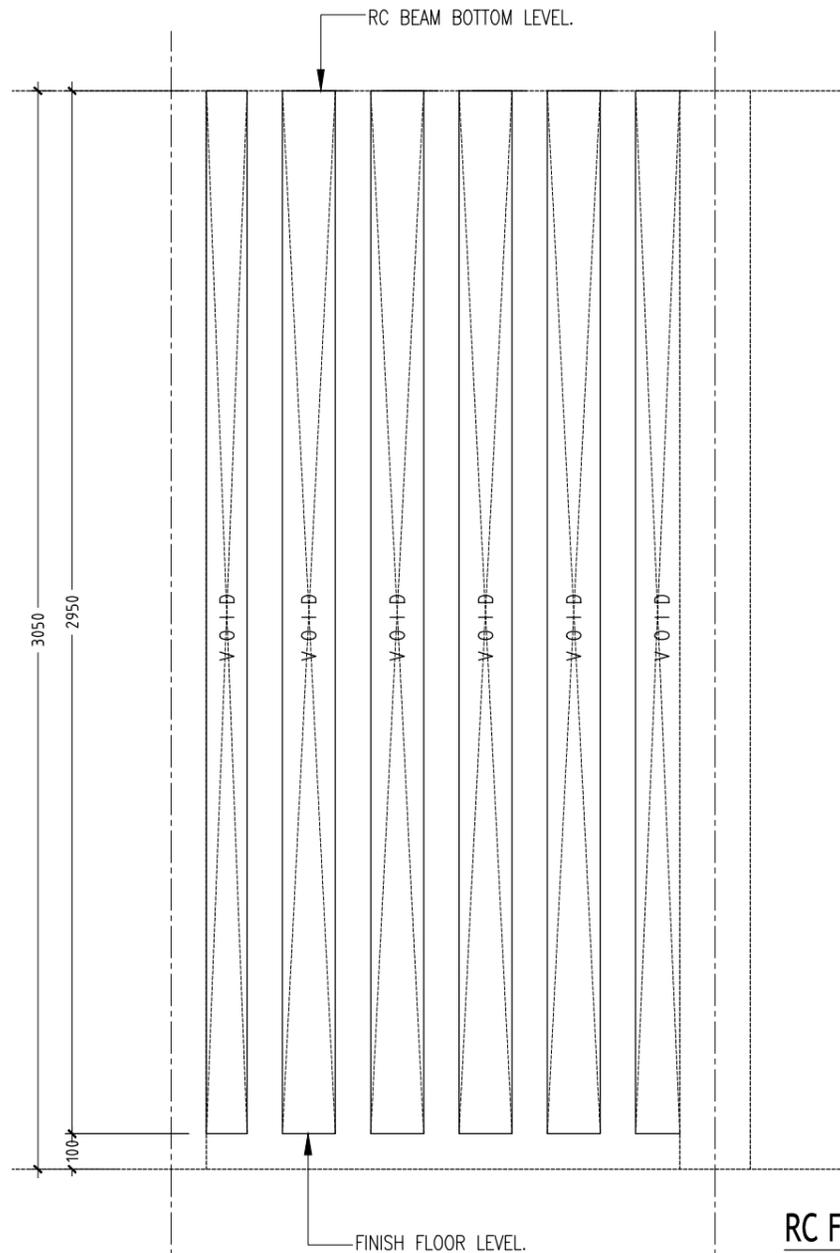


TYPICAL BALCONY PARAPET WALL  
SCALE 1:20

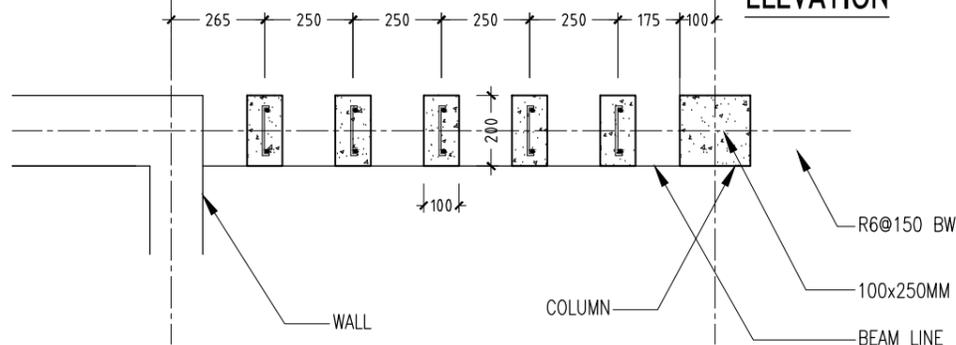
CONTRACTORS MUST CHECK ALL DIMENSIONS ON SITE BEFORE STARTING ANY WORK OR SHOP DRAWINGS. FIGURED DIMENSIONS TO TAKE PRECEDENCE OVER SCALE READINGS



REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: GEMANAFUSHI SCHOOL	A-21
	ENGINEER: MOHAMED AHSAN	LOCATION: GA.GEMANAFUSHI	
	SERVICES ENG:	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: SHAMHAD SAEED	SCALE: AS GIVEN DIMENSION: MM DATE: MAY 2015	
CONCEPT AND DESIGN IN THIS DRAWING ARE THE PROPERTIES OF ARCHENG STUDIO PVT LTD. UNAUTHORIZED USE OR REPRODUCTION OF PART OF THE DESIGN, DRAWINGS OR CONCEPT TO USE IN OTHER PROJECTS OR SITES OTHER THAN SPECIFIED ON THIS DRAWING IS PROHIBITED			DWG NO: PROJECT NO.: 14-109



**RC FIN -  
FRONT  
ELEVATION**



**RC FIN - PLAN**

**RC FIN DETAILS  
SCALE 1:20**

CONTRACTORS MUST CHECK ALL DIMENSIONS ON SITE BEFORE STARTING ANY WORK OR SHOP DRAWINGS. FIGURED DIMENSIONS TO TAKE PRECEDENCE OVER SCALE READINGS



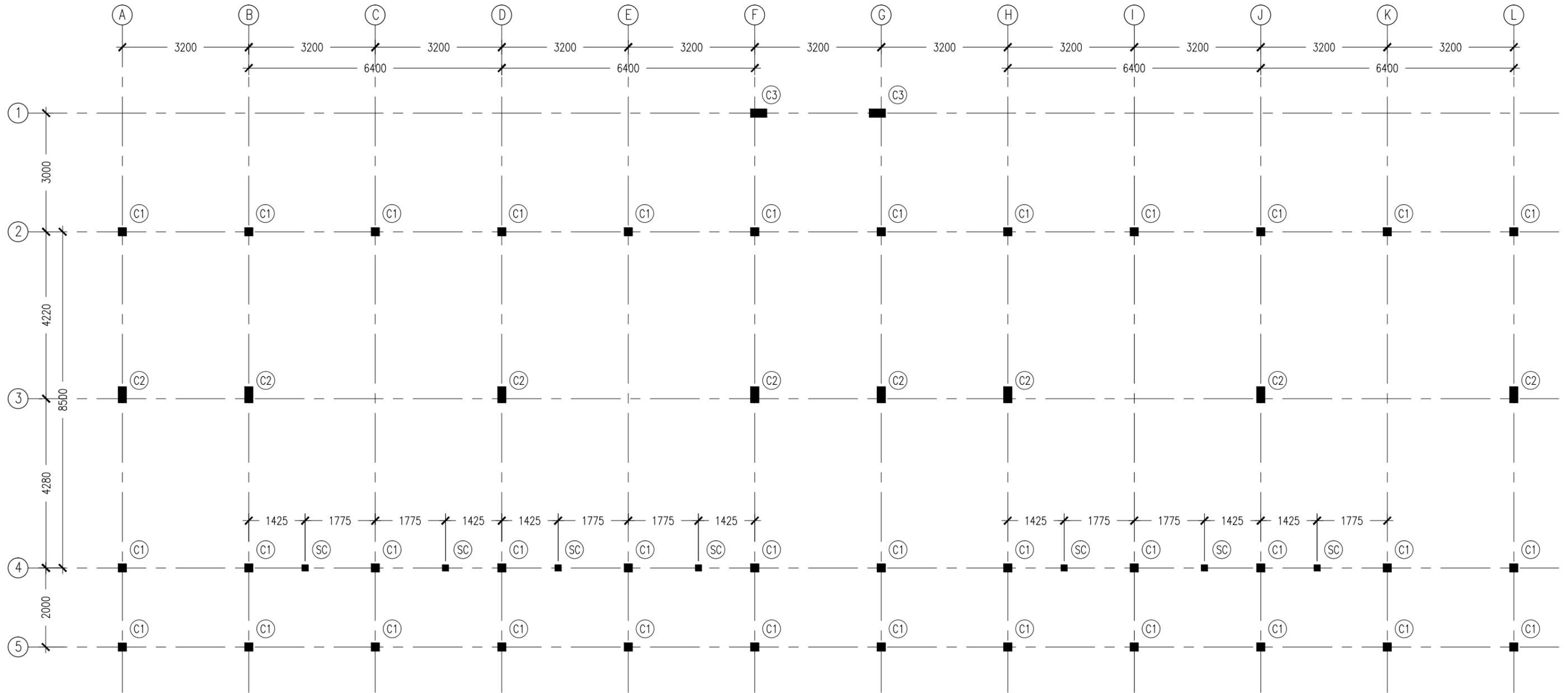
REVISION:	

ARCHITECT:	MOHAMED HAMEEN
ENGINEER:	MOHAMED AHSAN
SERVICES ENG:	
ESTIMATOR:	
DRAWN BY:	SHAMHAD SAEED

PROJECT:	GEMANAFUSHI SCHOOL
LOCATION:	GA.GEMANAFUSHI
DRAWING TITLE:	AS GIVEN
CLIENT:	MINISTRY OF EDUCATION
SCALE:	AS GIVEN
DIMENSION:	MM
DATE:	MAY 2015

**A-22**

DWG NO  
PROJECT NO.: 14-109



NOTES :

- COVER TO FOUNDATION: 50MM
- COVER TO BEAMS : 50MM
- COVER TO COLUMNS : 40MM
- CONCRETE MIX : 1:2:3 UNLESS STATED
- ADD CONMIX MEGA FLOW P TO ALL SUPER STRUCTURE CONCRETE.
- ADD CONMIX MEGA ADD WL3 TO ALL SUBSTRUCTURE CONCRETE.
- APPY 2 COATS OF CONMIX MOYA SHIELD RBE TO ALL STRUCTURE CONCRETE BELOW GROUND LEVEL.

**COLUMN SETTING LAYOUT PLAN**

SCALE 1:100

CONTRACTORS MUST CHECK ALL DIMENSIONS ON SITE BEFORE STARTING ANY WORK OR SHOP DRAWINGS. FIGURED DIMENSIONS TO TAKE PRECEDENCE OVER SCALE READINGS

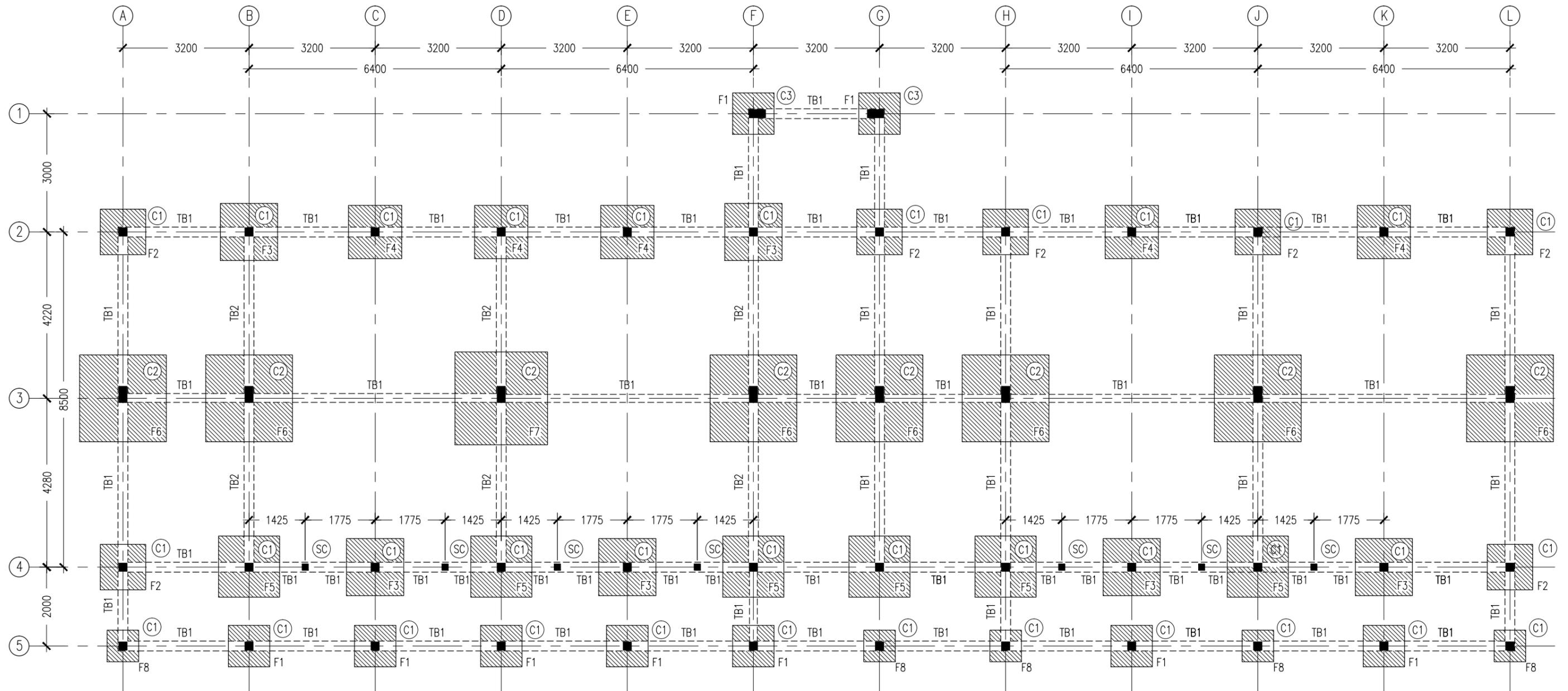


REVISION:	ARCHITECT: MOHAMED HAMEEN
	ENGINEER: MOHAMED AHSAN
	SERVICES ENG:
	ESTIMATOR:
	DRAWN BY: SHAMHAD SAEED

PROJECT: GEMANAFUSHI SCHOOL
LOCATION: GA.GEMANAFUSHI
DRAWING TITLE: AS GIVEN
CLIENT: MINISTRY OF EDUCATION
SCALE: AS GIVEN
DIMENSION: MM
DATE: MAY 2015

**S-01**

DWG NO  
PROJECT NO.: 14-109



NOTES :

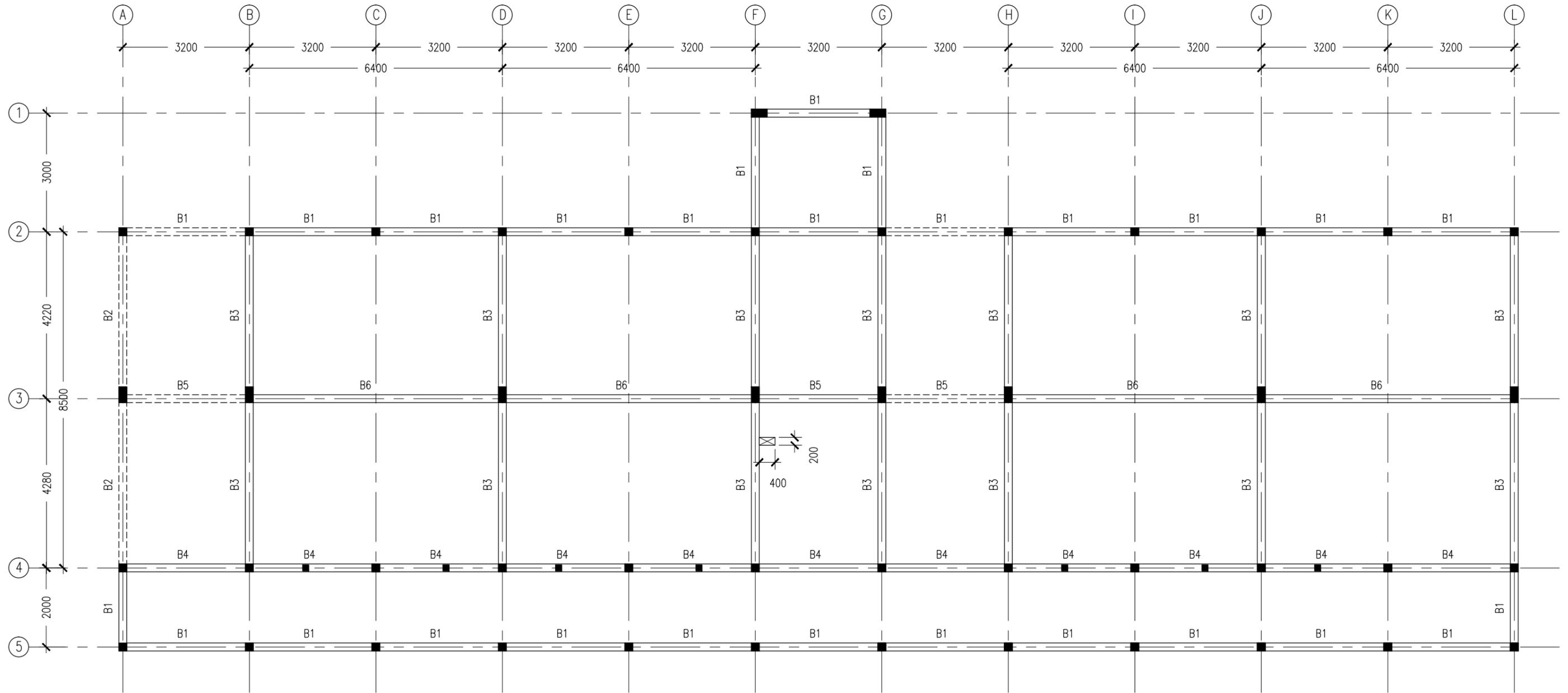
- COVER TO FOUNDATION: 50MM
- COVER TO BEAMS : 50MM
- COVER TO COLUMNS : 40MM
- CONCRETE MIX : 1:2:3 UNLESS STATED
- ADD CONMIX MEGA FLOW P TO ALL SUPER STRUCTURE CONCRETE.
- ADD CONMIX MEGA ADD WL3 TO ALL SUBSTRUCTURE CONCRETE.
- APPY 2 COATS OF CONMIX MOYA SHIELD RBE TO ALL STRUCTURE CONCRETE BELOW GROUND LEVEL.

**FOUNDATION LAYOUT PLAN**  
SCALE 1:100

CONTRACTORS MUST CHECK ALL DIMENSIONS ON SITE BEFORE STARTING ANY WORK OR SHOP DRAWINGS, FIGURED DIMENSIONS TO TAKE PRECEDENCE OVER SCALE READINGS



REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: GEMANAFUSHI SCHOOL	<b>S-02</b>
	ENGINEER: MOHAMED AHSAN	LOCATION: GA.GEMANAFUSHI	
	SERVICES ENG:	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: SHAMHAD SAEED	SCALE: AS GIVEN    DIMENSION: MM    DATE: MAY 2015	
CONCEPT AND DESIGN IN THIS DRAWING ARE THE PROPERTIES OF ARCHENG STUDIO PVT LTD. UNAUTHORIZED USE OR REPRODUCTION OF PART OF THE DESIGN, DRAWINGS OR CONCEPT TO USE IN OTHER PROJECTS OR SITES OTHER THAN SPECIFIED ON THIS DRAWING IS PROHIBITED			PROJECT NO.: 14-109



NOTES :

- SLAB THICKNESS : 150MM  
ACCPT WHERE STATED
- SLAB BOTTOM COVER: 30MM
- SLAB TOP COVER: 25MM
- COVER TO BEAMS : 35MM
- COVER TO COLUMNS : 40MM
- CONCRETE MIX : 1:2:3  
UNLESS STATED
- ADD CONMIX MEGAFLW MP TO ALL EXTERNAL PLASTER &  
FOR WET AREA PLASTER
- ADD CONMIX MEGA FLOW P TO ALL SUPER STRUCTURE CONCRETE.

**1ST -2ND FLOOR SLAB BEAM LAYOUT PLAN**

SCALE 1:100

CONTRACTORS MUST CHECK ALL DIMENSIONS ON SITE BEFORE STARTING ANY WORK OR SHOP DRAWINGS, FIGURED DIMENSIONS TO TAKE PRECEDENCE OVER SCALE READINGS



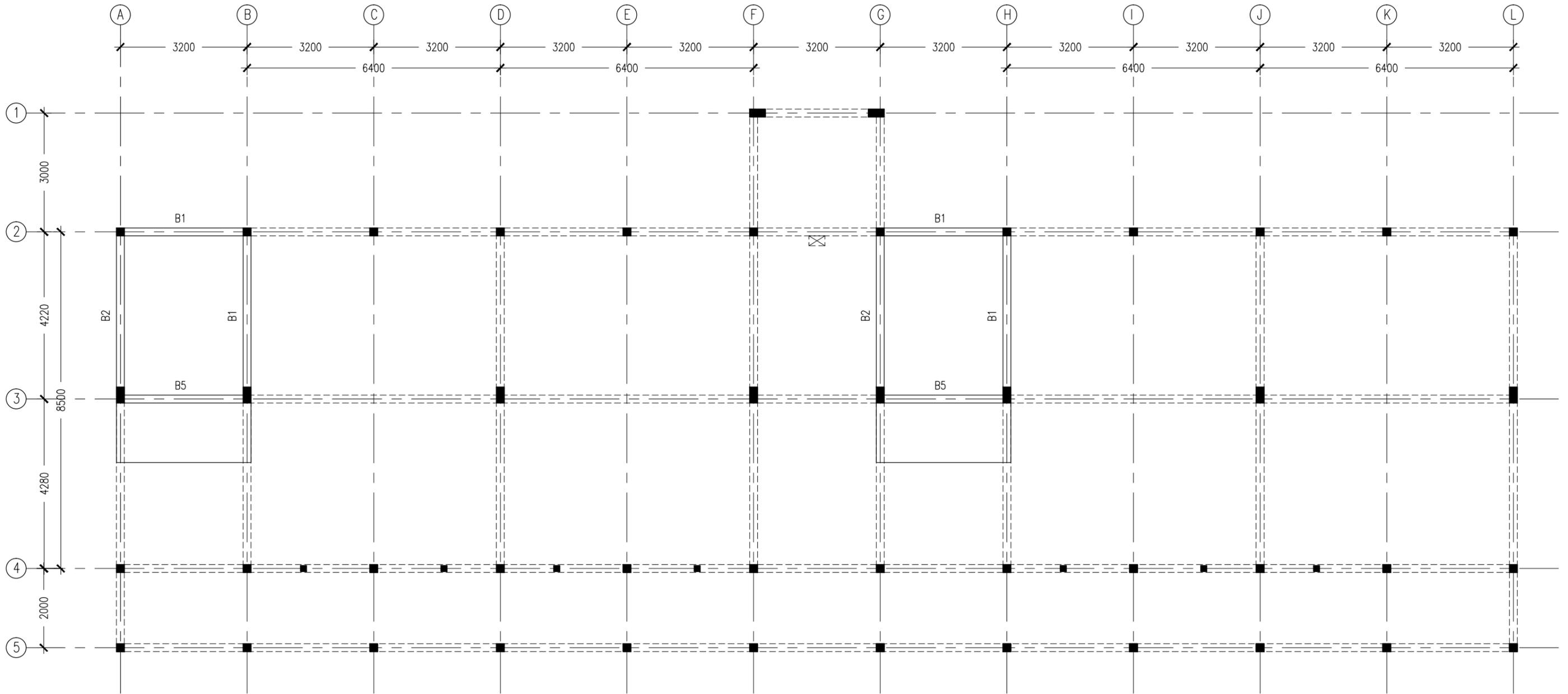
REVISION:	

ARCHITECT:	MOHAMED HAMEEN
ENGINEER:	MOHAMED AHSAN
SERVICES ENG:	
ESTIMATOR:	
DRAWN BY:	SHAMHAD SAEED

PROJECT:	GEMANAFUSHI SCHOOL
LOCATION:	GA.GEMANAFUSHI
DRAWING TITLE:	AS GIVEN
CLIENT:	MINISTRY OF EDUCATION
SCALE:	AS GIVEN
DIMENSION:	MM
DATE:	MAY 2015

**S-03**

DWG NO  
PROJECT NO.: 14-109



NOTES :

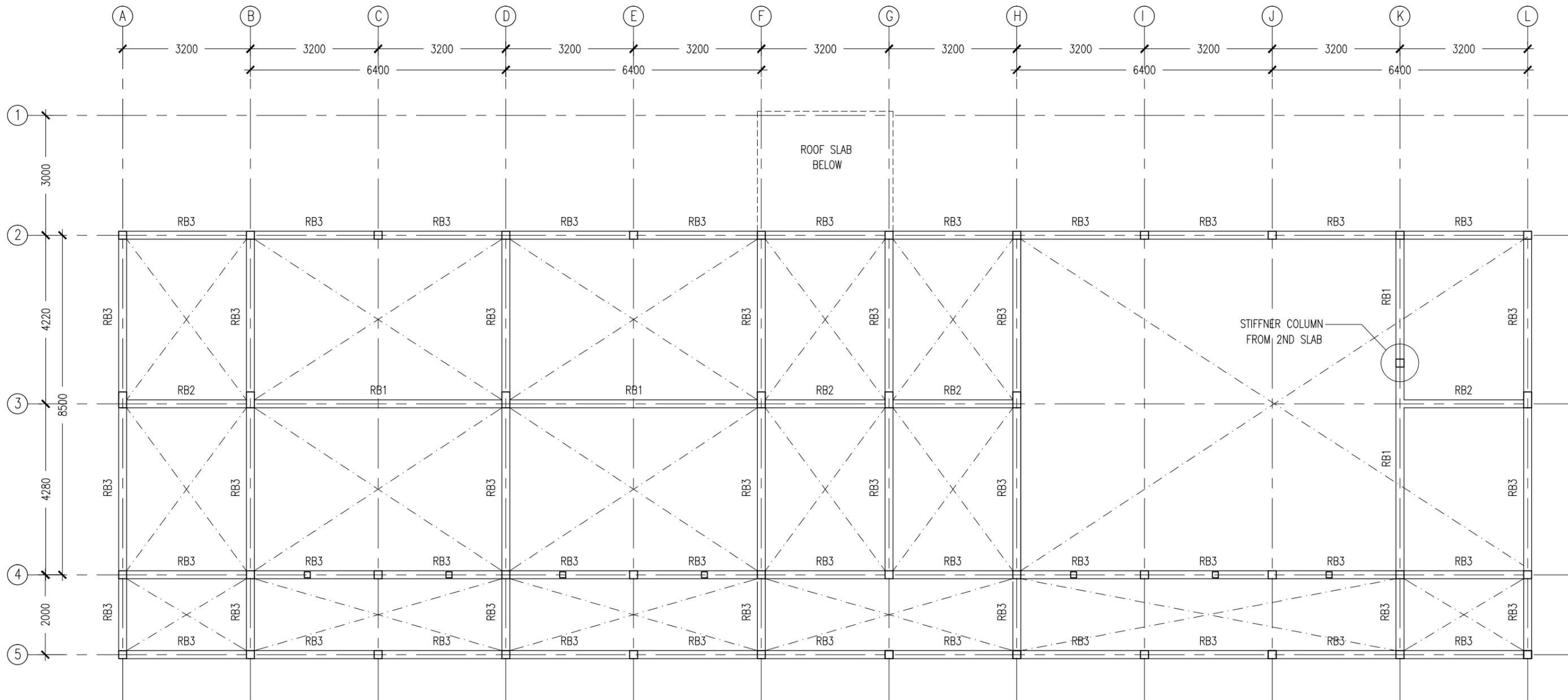
- SLAB THICKNESS : 150MM  
ACCPET WHERE STATED
- SLAB BOTTOM COVER: 30MM
- SLAB TOP COVER: 25MM
- COVER TO BEAMS : 35MM
- COVER TO COLUMNS : 40MM
- CONCRETE MIX : 1:2:3  
UNLESS STATED
- ADD CONMIX MEGAFLW MP TO ALL EXTERNAL PLASTER &  
FOR WET AREA PLASTER
- ADD CONMIX MEGA FLOW P TO ALL SUPER STRUCTURE CONCRETE.

**SLAB BEAM AT HALF-LANDING LAYOUT PLAN**  
SCALE 1:100

CONTRACTORS MUST  
CHECK ALL  
DIMENSIONS ON SITE  
BEFORE STARTING  
ANY WORK OR SHOP  
DRAWINGS.FIGURED  
DIMENSIONS TO TAKE  
PRECEDENCE OVER  
SCALE READINGS



REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: GEMANAFUSHI SCHOOL	<b>S-04</b> DWG NO
	ENGINEER: MOHAMED AHSAN	LOCATION: GA.GEMANAFUSHI	
	SERVICES ENG:	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: SHAMHAD SAEED	SCALE: AS GIVEN    DIMENSION: MM    DATE: MAY 2015	
CONCEPT AND DESIGN IN THIS DRAWING ARE THE PROPERTIES OF ARCHENG STUDIO PVT LTD. UNAUTHORIZED USE OR REPRODUCTION OF PART OF THE DESIGN,DRAWINGS OR CONCEPT TO USE IN OTHER PROJECTS OR SITES OTHER THAN SPECIFIED ON THIS DRAWING IS PROHIBITED			PROJECT NO.: 14-109



**ROOF BEAM LAYOUT PLAN**  
SCALE 1:100

CONTRACTORS MUST CHECK ALL DIMENSIONS ON SITE BEFORE STARTING ANY WORK OR SHOP DRAWINGS. FIGURED DIMENSIONS TO TAKE PRECEDENCE OVER SCALE READINGS



REVISION:	ARCHITECT: MOHAMED HAMEEN
	ENGINEER: MOHAMED AHSAN
	SERVICES ENG:
	ESTIMATOR:
	DRAWN BY: SHAMHAD SAEED

PROJECT: GEMANAFUSHI SCHOOL
LOCATION: GA.GEMANAFUSHI
DRAWING TITLE: AS GIVEN
CLIENT: MINISTRY OF EDUCATION
SCALE: AS GIVEN

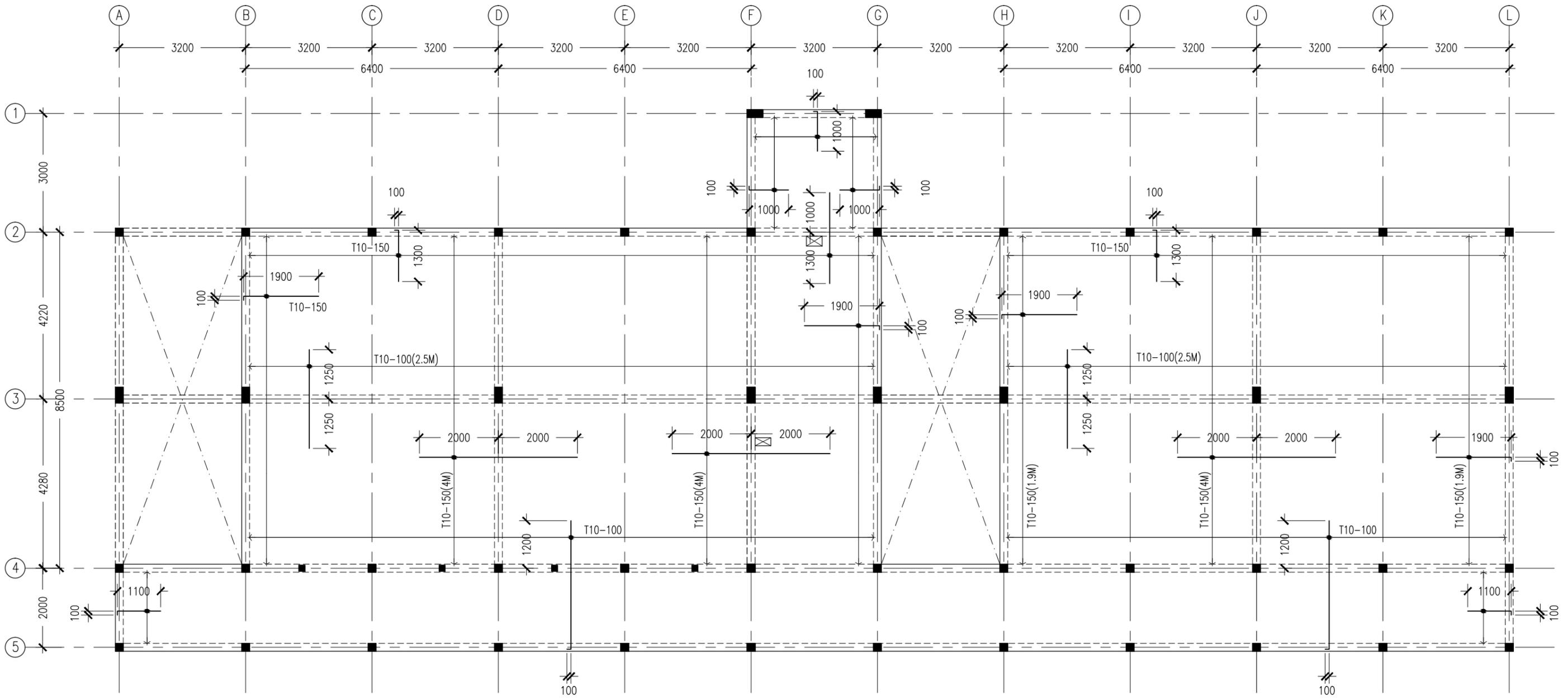
DIMENSION: MM	DATE: MAY 2015
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PROJECT NO.: 14-109
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**S-05**

DWG NO  
PROJECT NO.: 14-109

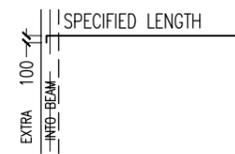
CONCEPT AND DESIGN IN THIS DRAWING ARE THE PROPERTIES OF ARCHENG STUDIO PVT LTD. UNAUTHORIZED USE OR REPRODUCTION OF PART OF THE DESIGN/DRAWINGS OR CONCEPT TO USE IN OTHER PROJECTS OR SITES OTHER THAN SPECIFIED ON THIS DRAWING IS PROHIBITED



NOTE:

- \*SLAB THICKNESS: 150MM  
ACCPT WHERE STATED
- \*SLAB BOTTOM COVER: 30MM
- \*SLAB TOP COVER: 25MM
- \*SLAB TOP MAIN REINFORCEMENT : T10-200MM C/C  
AS SHOWN (UNLESS STATED OTHERWISE)
- \*SLAB BOTTOM REINFORCEMENT : T10-150MM BW C/C  
(THROUGHOUT) NOT SHOWN
- \*CURTAIL REBARS OVER OPENINGS
- \*PROVIDE EXTRA ADDITIONAL REINFORCEMENT  
AS SPECIFIED
- \*TOP DISTRIBUTION REINFORCEMENT : T10@300 BW C/C

\*TYPICAL TOP REBAR



- \*FCU=25N/MM2
- \*ADD CONMIX MegaFlow P TO ALL SUPER  
STRUCTURE CONCRETE

**1ST-2ND FLOOR SLAB RFMNT LAYOUT PLAN**

SCALE 1:100

CONTRACTORS MUST  
CHECK ALL  
DIMENSIONS ON SITE  
BEFORE STARTING  
ANY WORK OR SHOP  
DRAWINGS, FIGURED  
DIMENSIONS TO TAKE  
PRECEDENCE OVER  
SCALE READINGS



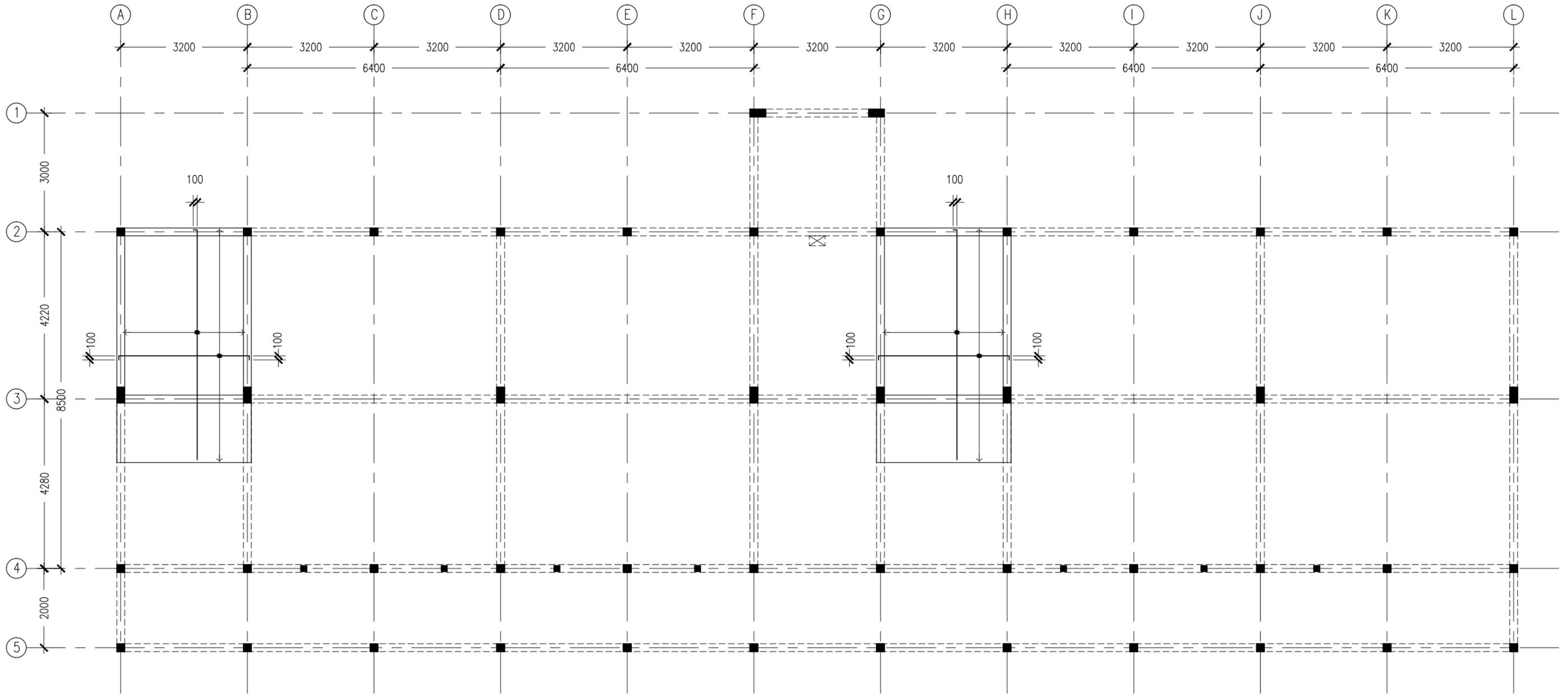
REVISION:	

ARCHITECT:	MOHAMED HAMEEN
ENGINEER:	MOHAMED AHSAN
SERVICES ENG:	
ESTIMATOR:	
DRAWN BY:	SHAMHAD SAEED

PROJECT:	GEMANAFUSHI SCHOOL
LOCATION:	GA.GEMANAFUSHI
DRAWING TITLE:	AS GIVEN
CLIENT:	MINISTRY OF EDUCATION
SCALE:	AS GIVEN
DIMENSION:	MM
DATE:	MAY 2015

**S-06**

DWG NO  
PROJECT NO.: 14-109



NOTES :

- SLAB THICKNESS : 150MM  
ACCPET WHERE STATED
- SLAB BOTTOM COVER: 30MM
- SLAB TOP COVER: 25MM
- COVER TO BEAMS : 35MM
- COVER TO COLUMNS : 40MM
- CONCRETE MIX : 1:2:3  
UNLESS STATED
- ADD CONMIX MEGA FLOW MP TO ALL EXTERNAL PLASTER &  
FOR WET AREA PLASTER
- ADD CONMIX MEGA FLOW P TO ALL SUPER STRUCTURE CONCRETE.

**SLAB BEAM AT HALF-LANDING LAYOUT PLAN**

SCALE 1:100

CONTRACTORS MUST  
CHECK ALL  
DIMENSIONS ON SITE  
BEFORE STARTING  
ANY WORK OR SHOP  
DRAWINGS, FIGURED  
DIMENSIONS TO TAKE  
PRECEDENCE OVER  
SCALE READINGS



REVISION:

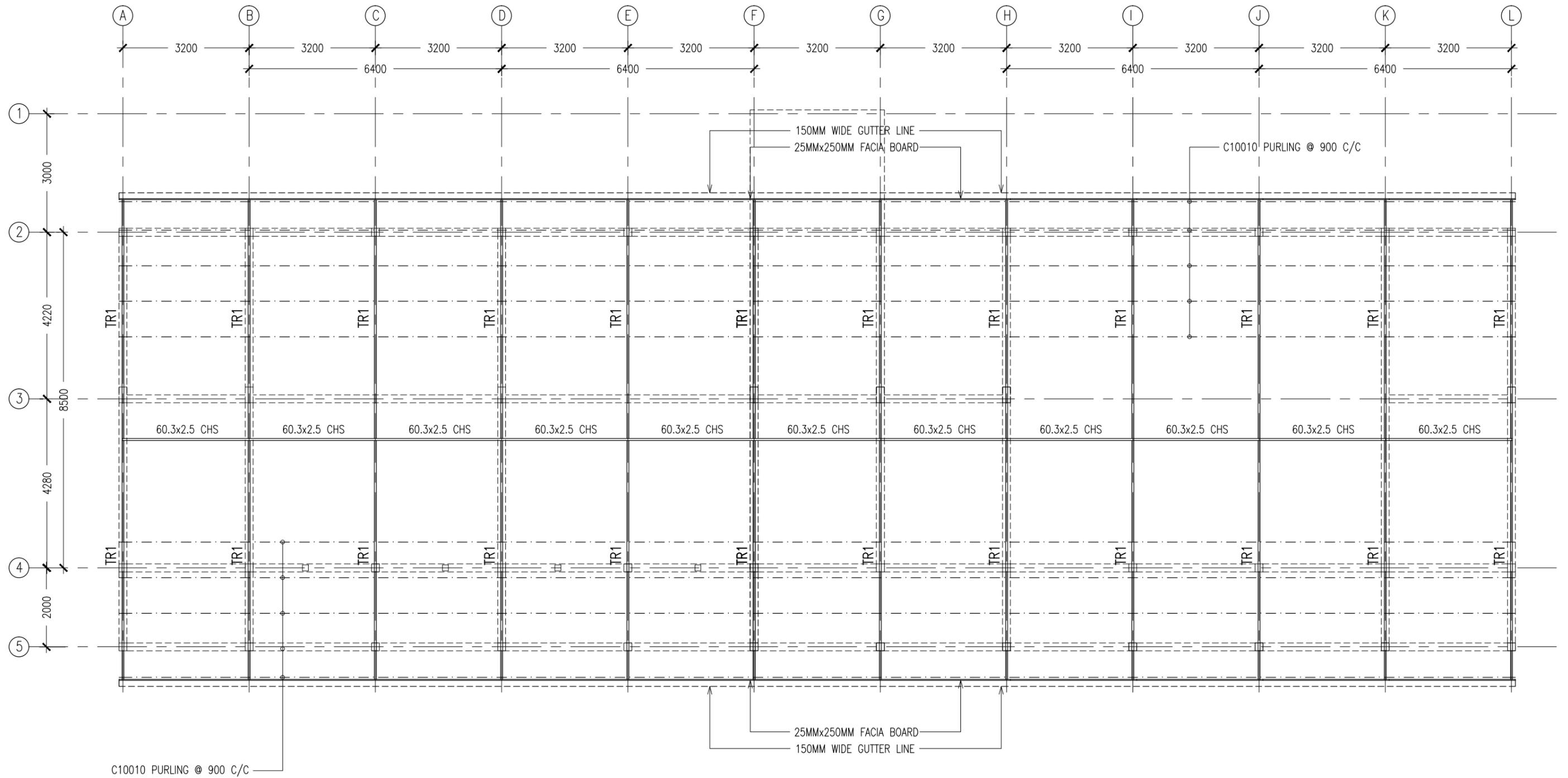

ARCHITECT:	MOHAMED HAMEEN
ENGINEER:	MOHAMED AHSAN
SERVICES ENG:	
ESTIMATOR:	
DRAWN BY:	SHAMHAD SAEED

PROJECT:	GEMANAFUSHI SCHOOL
LOCATION:	GA.GEMANAFUSHI
DRAWING TITLE:	AS GIVEN
CLIENT:	MINISTRY OF EDUCATION
SCALE:	AS GIVEN
DIMENSION:	MM
DATE:	MAY 2015

**S-07**

DWG NO

PROJECT NO.: 14-109



**ROOF STRUCTURE LAYOUT PLAN**  
SCALE 1:100

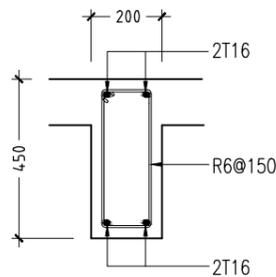
CONTRACTORS MUST CHECK ALL DIMENSIONS ON SITE BEFORE STARTING ANY WORK OR SHOP DRAWINGS. FIGURED DIMENSIONS TO TAKE PRECEDENCE OVER SCALE READINGS



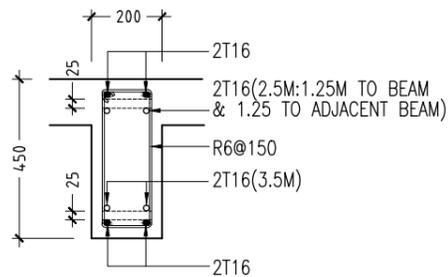
REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: GEMANAFUSHI SCHOOL	<b>S-08</b>
	ENGINEER: MOHAMED AHSAN	LOCATION: GA.GEMANAFUSHI	
	SERVICES ENG:	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: SHAMHAD SAEED	SCALE: AS GIVEN    DIMENSION: MM    DATE: MAY 2015	
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FOOTING	LENGTH/mm	WIDTH/mm	DEPTH/mm	REINFORCEMENT
F1	1050	1050	300	T12@150mm C/C BW BOTTOM
F2	1150	1150	300	T12@150mm C/C BW BOTTOM
F3	1450	1450	300	T12@150mm C/C BW BOTTOM
F4	1350	1350	300	T12@150mm C/C BW BOTTOM
F5	1550	1550	300	T12@150mm C/C BW BOTTOM
F6	2200	2200	300	T16@100mm C/C BW BOTTOM
F7	2350	2350	300	T16@100mm C/C BW BOTTOM
F8	800	800	300	T12@150mm C/C BW BOTTOM

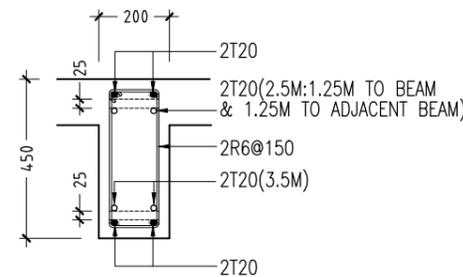
### FOOTING DETAILS



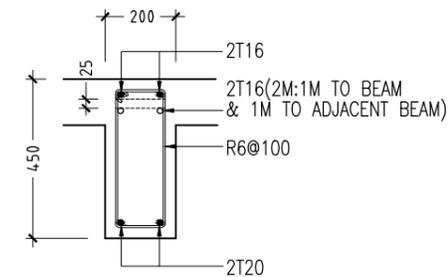
B1



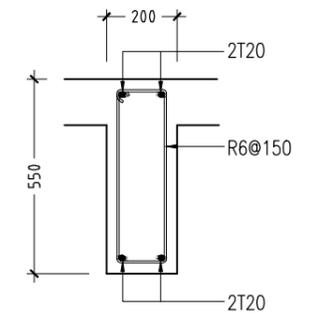
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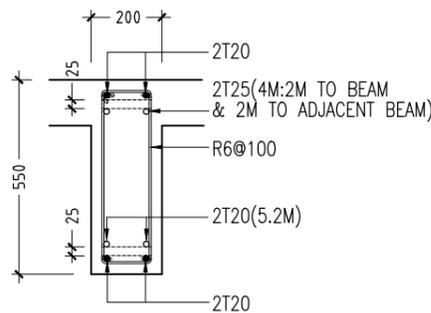
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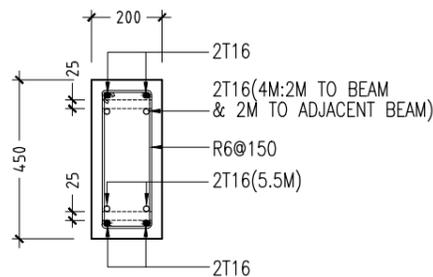
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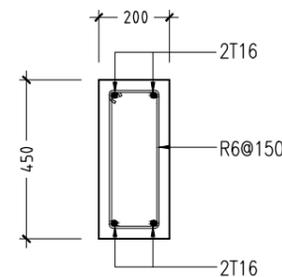
B5



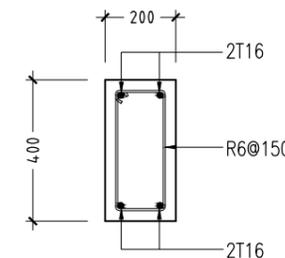
B6



RB1



RB2



RB3

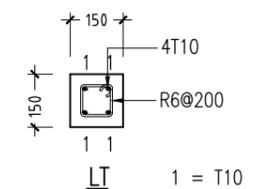
### RC BEAM DETAILS SCALE 1:20

REVISION:	ARCHITECT: MOHAMED HAMEEN
	ENGINEER: MOHAMED AHSAN
	SERVICES ENG:
	ESTIMATOR:
	DRAWN BY: SHAMHAD SAEED

PROJECT: GEMANAFUSHI SCHOOL
LOCATION: GA.GEMANAFUSHI
DRAWING TITLE: AS GIVEN
CLIENT: MINISTRY OF EDUCATION
SCALE: AS GIVEN

DIMENSION: MM	DATE: MAY 2015
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### LINTEL/SILL BEAM DETAILS SCALE 1:20



LINTELS OVER ALL DOORS, WINDOWS,  
(THAT DO NOT RISE TO ROOF BEAM LEVEL)  
STRUCTURAL OPENINGS IN WALLS

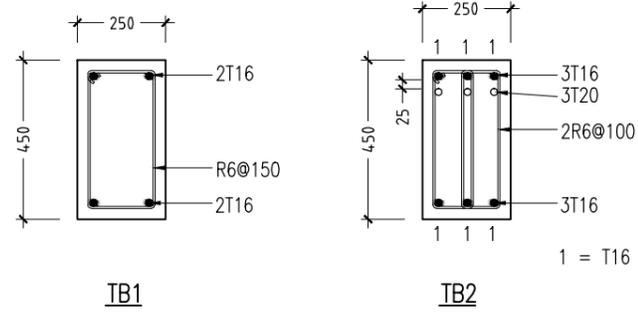
CONTRACTORS MUST CHECK ALL DIMENSIONS ON SITE BEFORE STARTING ANY WORK OR SHOP DRAWINGS. FIGURED DIMENSIONS TO TAKE PRECEDENCE OVER SCALE READINGS



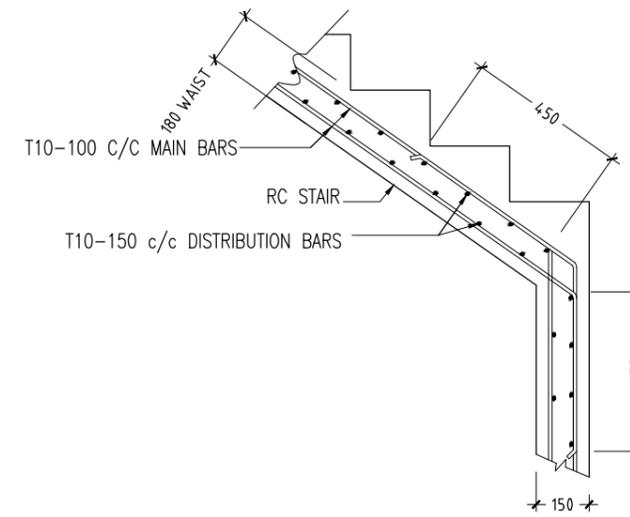
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S-09

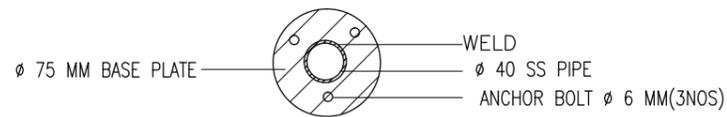
DWG NO PROJECT NO.: 14-109



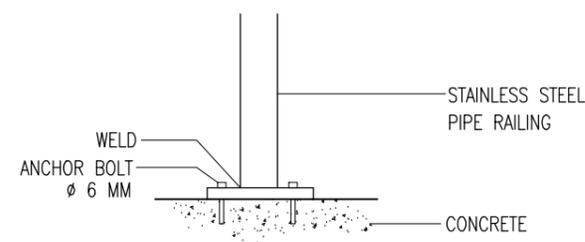
**FOUNDATION BEAM DETAILS**  
SCALE 1:20



**TYPICAL STAIR RFMT DETAIL**  
SCALE 1:20



PLAN



SECTION

**DETAIL D ( STAIR RAILING )**  
SCALE 1:20

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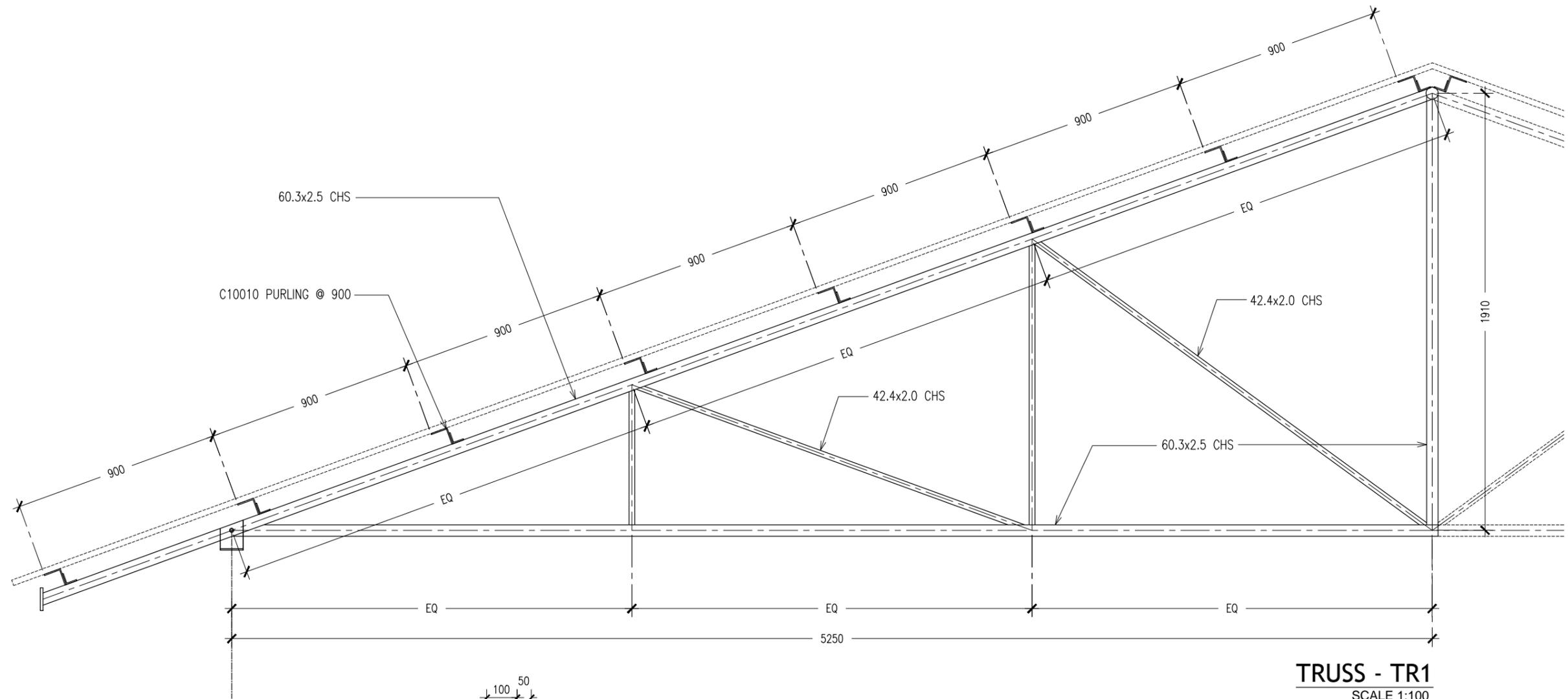


REVISION:	ARCHITECT: MOHAMED HAMEEN
	ENGINEER: MOHAMED AHSAN
	SERVICES ENG:
	ESTIMATOR:
	DRAWN BY: SHAMHAD SAEED

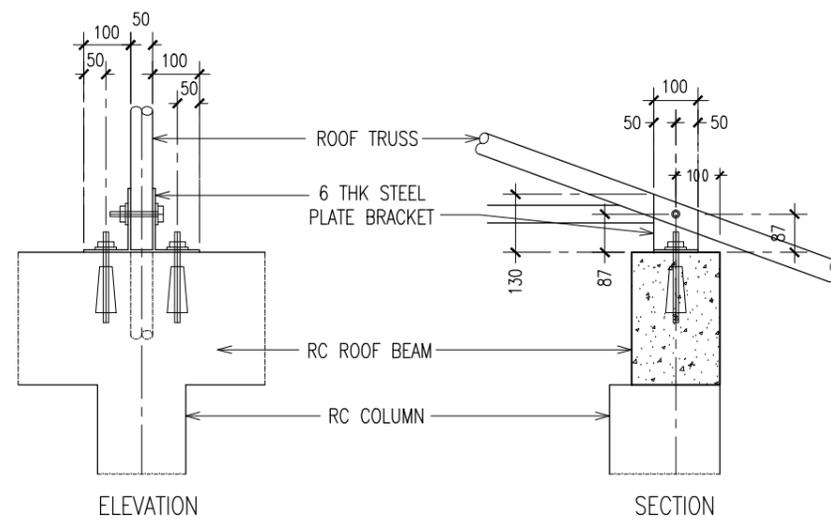
PROJECT: GEMANAFUSHI SCHOOL
LOCATION: GA.GEMANAFUSHI
DRAWING TITLE: AS GIVEN
CLIENT: MINISTRY OF EDUCATION
SCALE: AS GIVEN

DIMENSION: MM	DATE: MAY 2015
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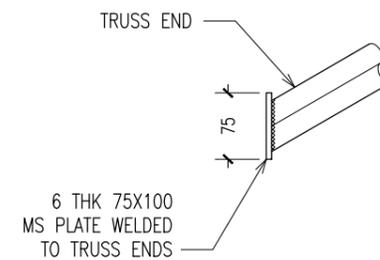
DWG NO	<b>S-10</b>
PROJECT NO.: 14-109	



**TRUSS - TR1**  
SCALE 1:100



**TYPICAL TRUSS FIXING DETAILS**  
SCALE : NTS



**TYPICAL TRUSS END DETAILS**  
SCALE : NTS

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PROJECT: GEMANAFUSHI SCHOOL
LOCATION: GA.GEMANAFUSHI
DRAWING TITLE: AS GIVEN
CLIENT: MINISTRY OF EDUCATION
SCALE: AS GIVEN
DIMENSION: MM
DATE: MAY 2015

**S-11**

DWG NO  
PROJECT NO.: 14-109

# **GEMANAFUSHI SCHOOL**

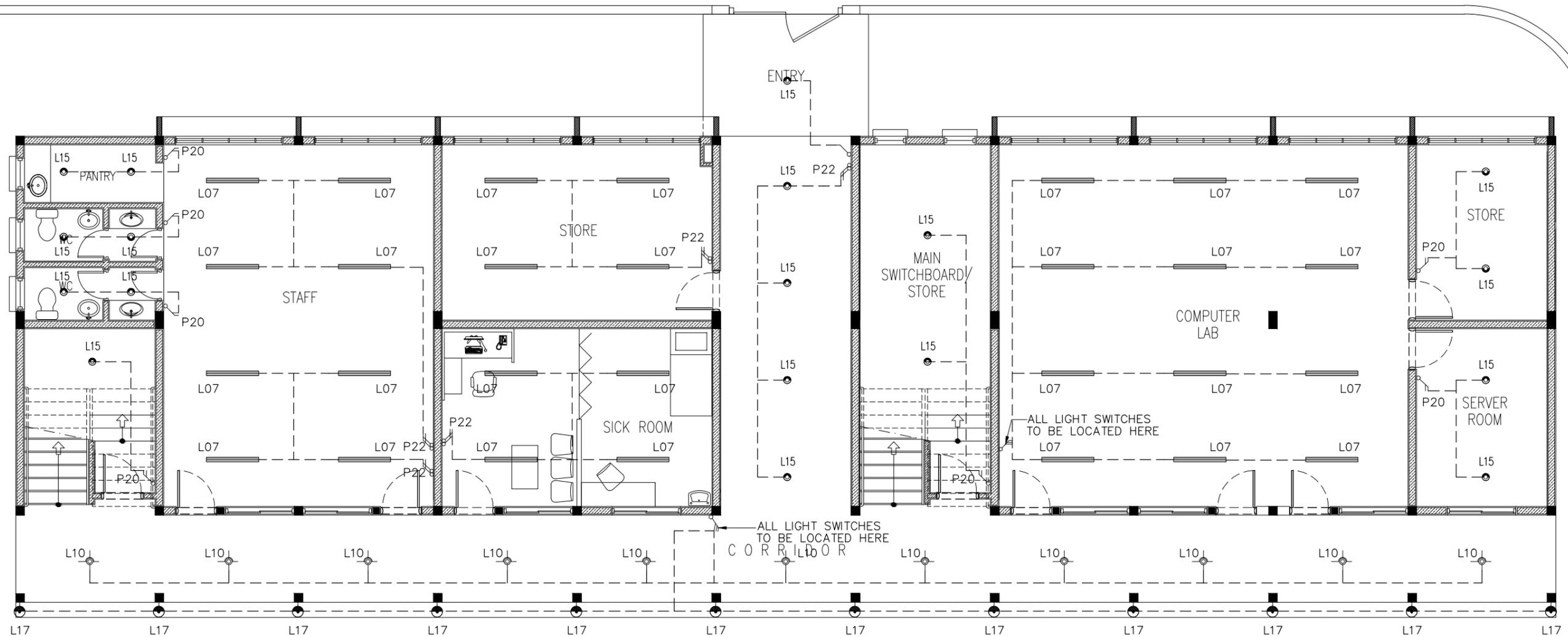
**-THREE STOREY BUILDING-  
ELECTRICAL DRAWINGS**

MARCH 2015

CLIENT : MINISTRY OF EDUCATION

DESIGN BY

**ArchEng**  
s t u d i o  
Ma Fiyajahaage, 1st floor, Male'. Republic of Maldives  
admin@archeng.biz



### GROUND FLOOR LIGHTING PLAN

SCALE 1:100

#### LEGEND

SYMBOL	CODE	DESCRIPTION
	L07	2X36W FLUORESCENT LAMPS IN SURFACE MOUNT LUMINAIRE WITH DIFFUSER
	L09	WALL MOUNT ENERGY SAVING LIGHT
	L10	1X26W COMPACT FLUORESCENT LAMPS IN RECESSED DECORATIVE LUMINAIRE
	L15	1X60W INCANDESCENT LAMPS IN RECESSED DECORATIVE LUMINAIRE
	L17	1X60W INCANDESCENT LAMPS IN SURFACE MOUNT WEATHER PROOF LUMINAIRE

	P19	1GANG 1 WAY SWITCH
	P20	2GANG 1 WAY SWITCH
	P21	3GANG 1 WAY SWITCH
	P22	4GANG 1 WAY SWITCH

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**ArchEng**  
studio  
No Fiyajahaage, 1st floor, Male, Republic of Maldives  
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REVISION:

ARCHITECT: MOHAMED HAMEEN  
ENGINEER: MOHAMED AHSAN  
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ESTIMATOR:  
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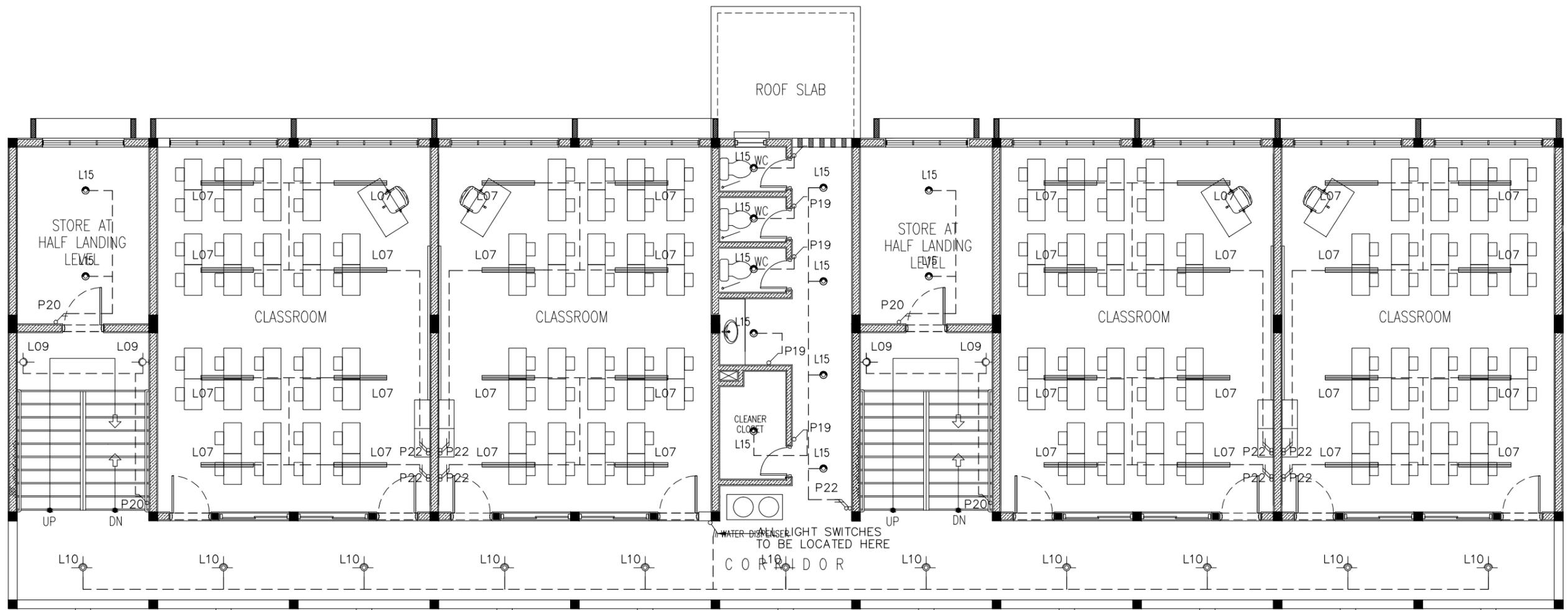
PROJECT: GEMANAFUSHI SCHOOL  
LOCATION: GA.GEMANAFUSHI  
DRAWING TITLE: AS GIVEN  
CLIENT: MINISTRY OF EDUCATION  
SCALE: AS GIVEN DIMENSION: MM DATE: MAY 2015

E-01

DWG NO

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**1ST FLOOR LIGHTING PLAN**  
SCALE 1:100

SYMBOL	CODE	DESCRIPTION
	L07	2X36W FLUORESCENT LAMPS IN SURFACE MOUNT LUMINAIRE WITH DIFFUSER
	L09	WALL MOUNT ENERGY SAVING LIGHT
	L10	1X26W COMPACT FLUORESCENT LAMPS IN RECESSED DECORATIVE LUMINAIRE
	L15	1X60W INCANDESCENT LAMPS IN RECESSED DECORATIVE LUMINAIRE
	L17	1X60W INCANDESCENT LAMPS IN SURFACE MOUNT WEATHER PROOF LUMINAIRE

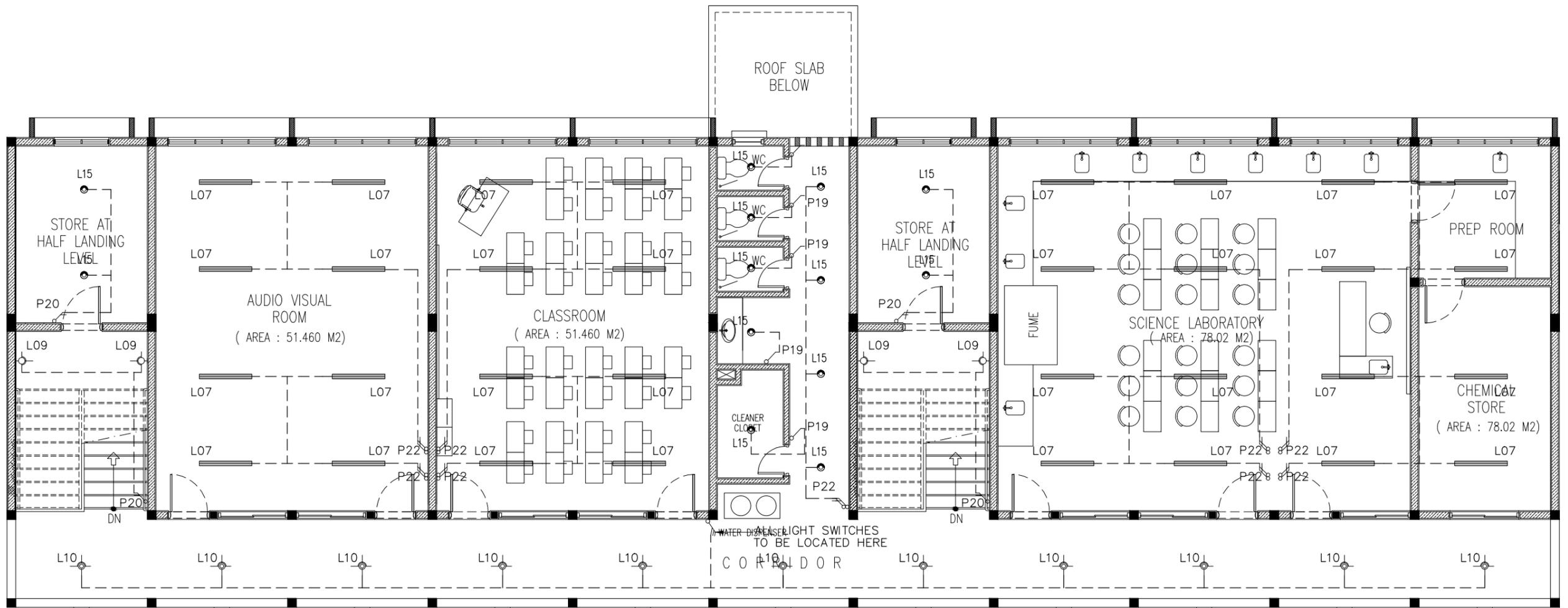
	P19	1GANG 1 WAY SWITCH
	P20	2GANG 1 WAY SWITCH
	P21	3GANG 1 WAY SWITCH
	P22	4GANG 1 WAY SWITCH

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REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: GEMANAFUSHI SCHOOL	<b>E-02</b> DWG NO PROJECT NO.: 14-109
	ENGINEER: MOHAMED AHSAN	LOCATION: GA.GEMANAFUSHI	
	SERVICES ENG:	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: SHAMHAD SAEED	SCALE: AS GIVEN    DIMENSION: MM    DATE: MAY 2015	

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**2ND FLOOR LIGHTING PLAN**  
SCALE 1:100

SYMBOL	CODE	DESCRIPTION
	L07	2X36W FLUORESCENT LAMPS IN SURFACE MOUNT LUMINAIRE WITH DIFFUSER
	L09	WALL MOUNT ENERGY SAVING LIGHT
	L10	1X26W COMPACT FLUORESCENT LAMPS IN RECESSED DECORATIVE LUMINAIRE
	L15	1X60W INCANDESCENT LAMPS IN RECESSED DECORATIVE LUMINAIRE
	L17	1X60W INCANDESCENT LAMPS IN SURFACE MOUNT WEATHER PROOF LUMINAIRE

	P19	1GANG 1 WAY SWITCH
	P20	2GANG 1 WAY SWITCH
	P21	3GANG 1 WAY SWITCH
	P22	4GANG 1 WAY SWITCH

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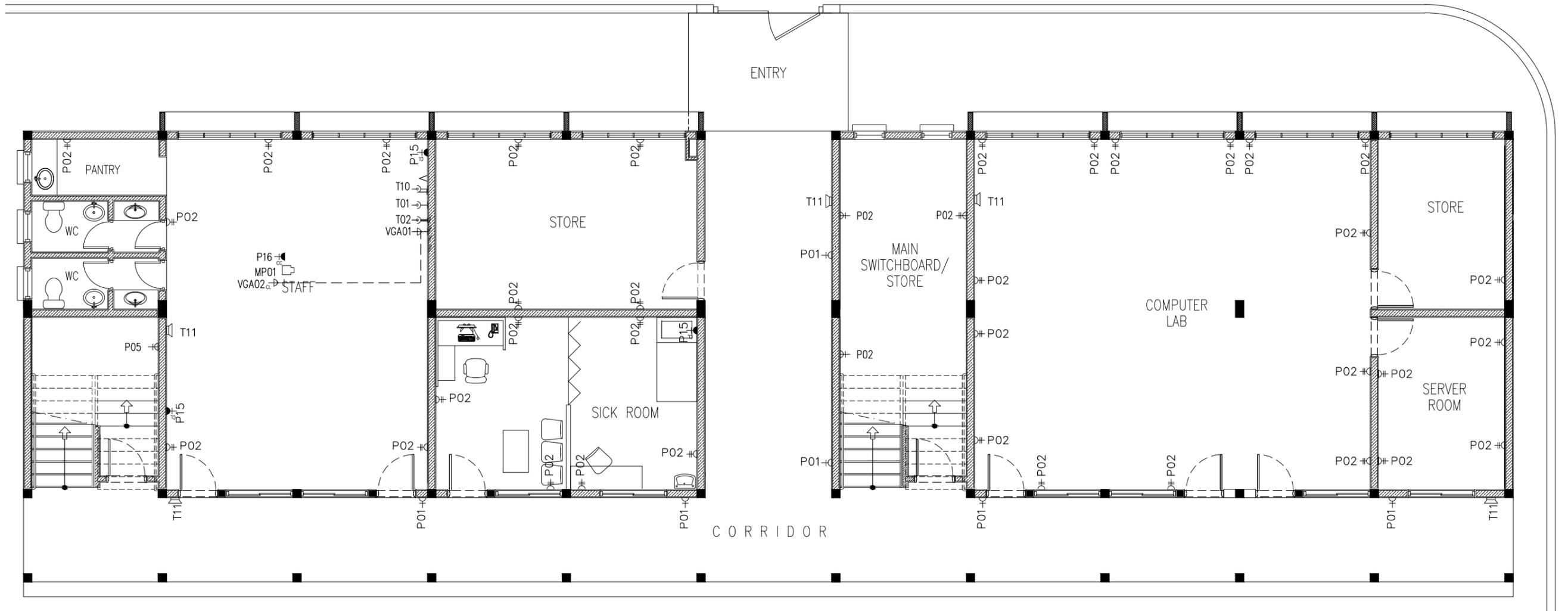


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ARCHITECT:	MOHAMED HAMEEN
ENGINEER:	MOHAMED AHSAN
SERVICES ENG:	
ESTIMATOR:	
DRAWN BY:	SHAMHAD SAEED

PROJECT:	GEMANAFUSHI SCHOOL
LOCATION:	GA.GEMANAFUSHI
DRAWING TITLE:	AS GIVEN
CLIENT:	MINISTRY OF EDUCATION
SCALE:	AS GIVEN
DIMENSION:	MM
DATE:	MAY 2015

**E-03**  
DWG NO  
PROJECT NO.: 14-109



LEGEND

SYMBOL	CODE	DESCRIPTION
	P01	1 GANG13A SOCKET OUTLET AT 300mm ABOVE FINISHED FLOOR LEVEL
	P02	2 GANG13A SOCKET OUTLET AT 300mm ABOVE FINISHED FLOOR LEVEL
	P15	1 GANG15A SOCKET OUTLET AT CEILING LEVEL
	P16	1 GANG13A SOCKET OUTLET AT CEILING LEVEL
	VGA01	VGA CABLE
	VGA02	VGA CABLE AT CEILING LEVEL

LEGEND

SYMBOL	CODE	DESCRIPTION
	T01	PLAIN TELEPHONE OUTLET
	T02	COMPUTER NETWORK OUTLET
	MP01	MULTIMEDIA PROJECTOR
	T10	T.V POINT
	T11	SPEAKER

GROUND FLOOR POWER SOCKET PLAN

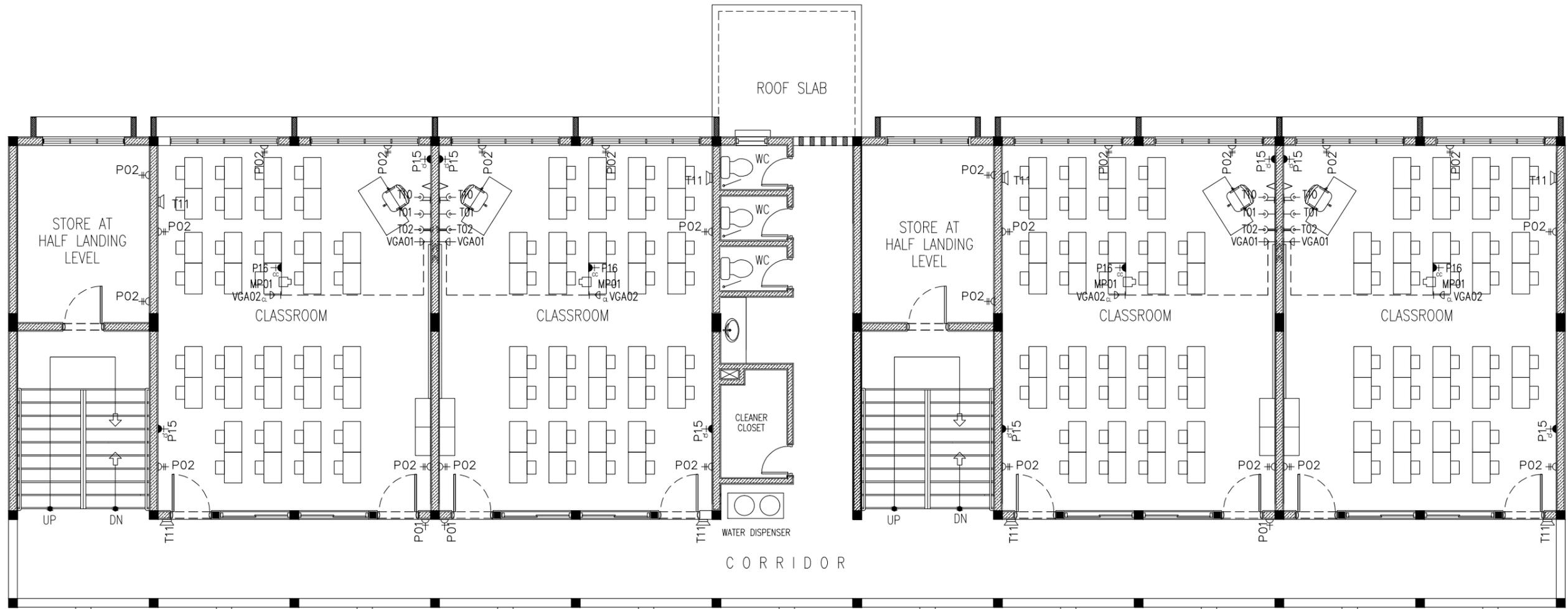
SCALE 1:100

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REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: GEMANAFUSHI SCHOOL	<p><b>E-04</b></p> <p>DWG NO</p> <p>PROJECT NO.: 14-109</p>
	ENGINEER: MOHAMED AHSAN	LOCATION: GA.GEMANAFUSHI	
	SERVICES ENG:	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
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LEGEND

SYMBOL	CODE	DESCRIPTION
	P01	1 GANG13A SOCKET OUTLET AT 300mm ABOVE FINISHED FLOOR LEVEL
	P02	2 GANG13A SOCKET OUTLET AT 300mm ABOVE FINISHED FLOOR LEVEL
	P15	1 GANG15A SOCKET OUTLET AT CEILING LEVEL
	P16	1 GANG13A SOCKET OUTLET AT CEILING LEVEL
	VGA01	VGA CABLE
	VGA02	VGA CABLE AT CEILING LEVEL

LEGEND

SYMBOL	CODE	DESCRIPTION
	T01	PLAIN TELEPHONE OUTLET
	T02	COMPUTER NETWORK OUTLET
	MP01	MULTIMEDIA PROJECTOR
	T10	T.V POINT
	T11	SPEAKER

1ST FLOOR POWER SOCKET PLAN

SCALE 1:100

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REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: GEMANAFUSHI SCHOOL
	ENGINEER: MOHAMED AHSAN	LOCATION: GA.GEMANAFUSHI
	SERVICES ENG:	DRAWING TITLE: AS GIVEN
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION
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