

# **PROPOSED 09 CLASS ROOM BLOCK AT DH. KUDAHUVADHOO**

**( 3 STOREY )**

**ENHANCING EDUCATION DEVELOPMENT PROJECT (EEDP)**

## **DETAIL DRAWINGS**

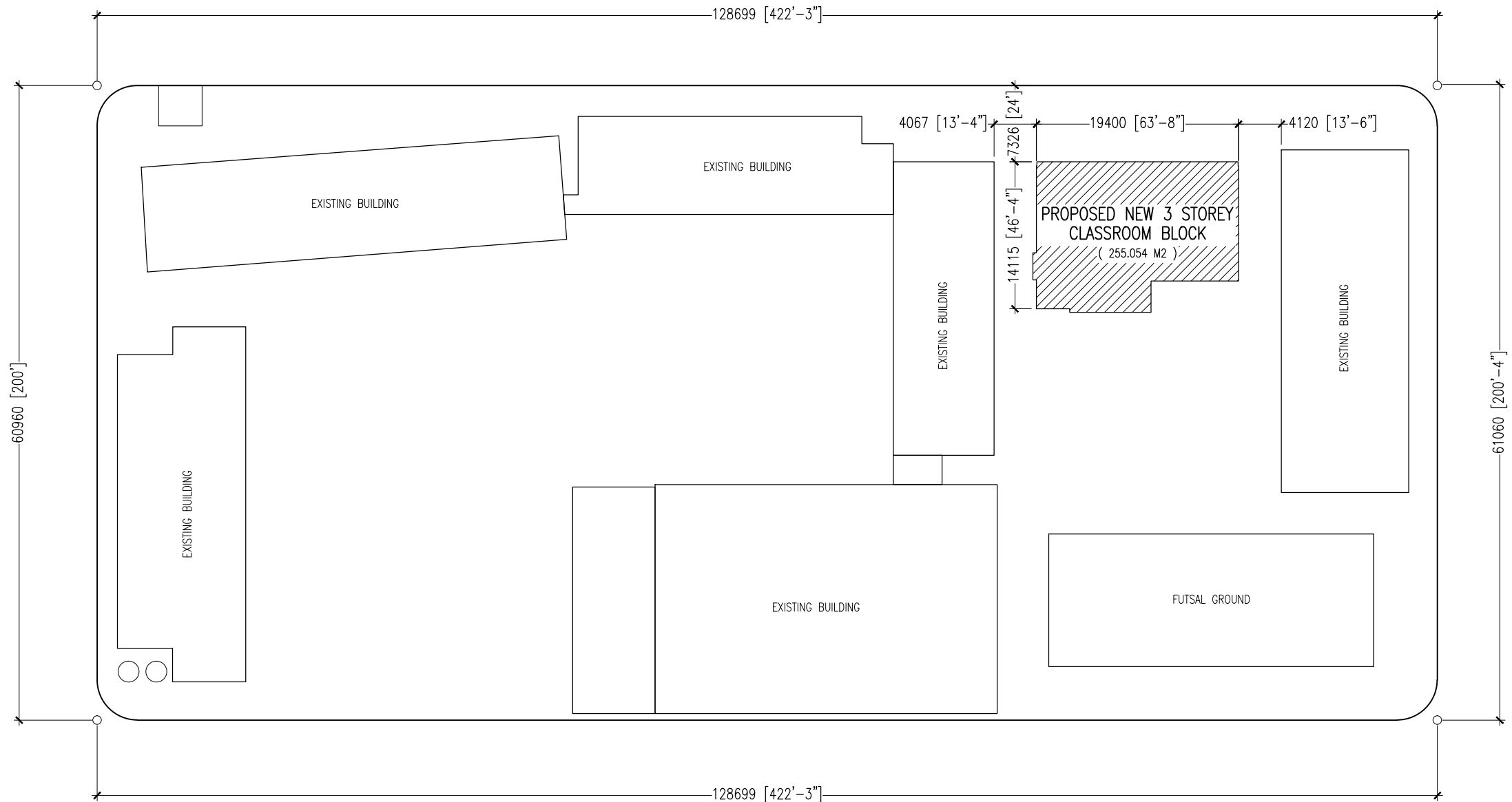
MAY 2015

CLIENT : MINISTRY OF EDUCATION

DESIGN BY

**ArchEng**  
**s t u d i o**

Ma Fiyajahaage, 1st floor, Male'. Republic of Maldives  
admin@archeng.biz



PROPOSED BUILDING FOOT PRINT AREA : 250.995 SQM

## SITE LAYOUT PLAN

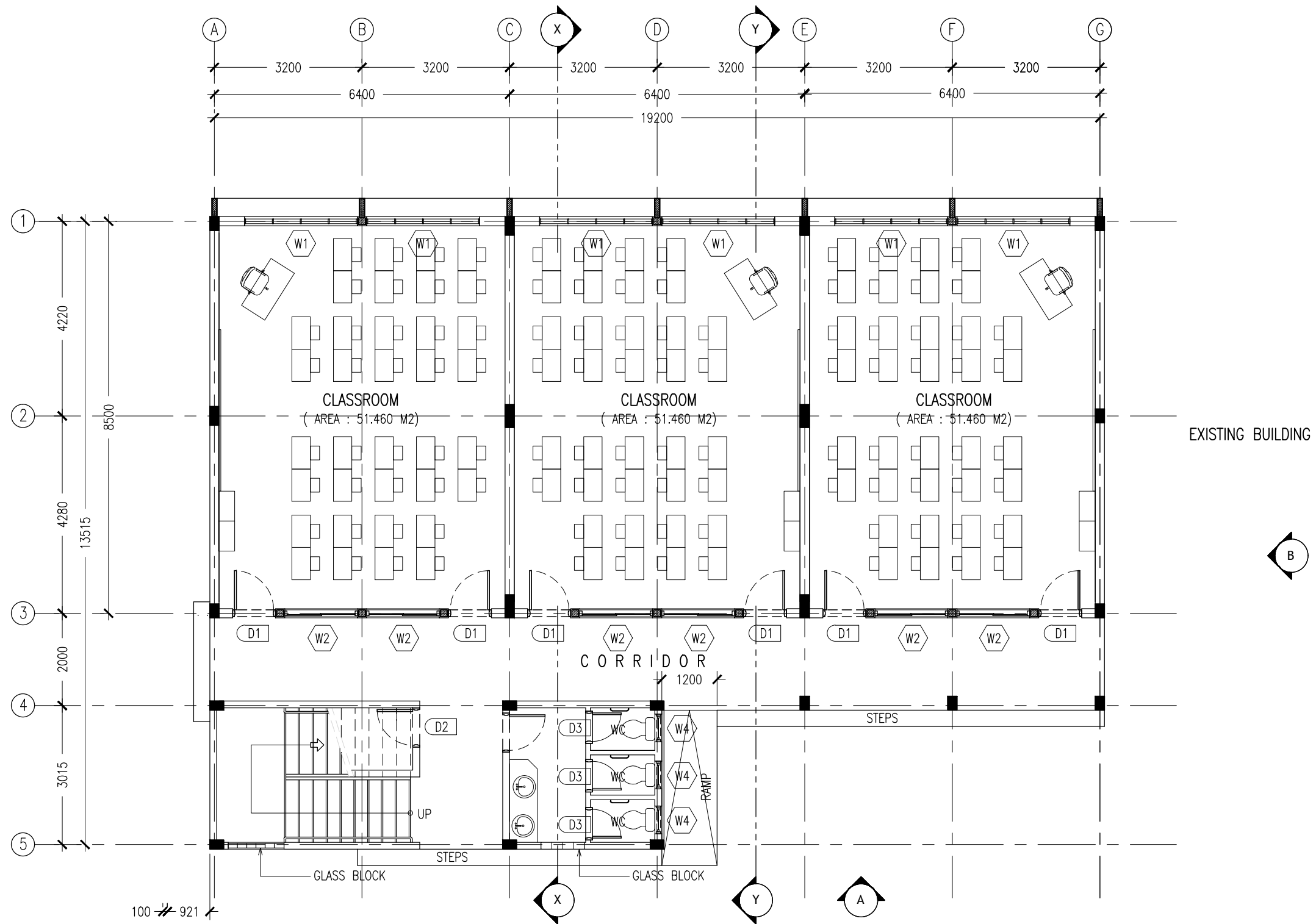
SCALE 1:500



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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REVISION:	ARCHITECT:	MOHAMED HAMEEN	PROJECT:	PROPOSED 06 CLASS ROOM BLOCK ( 03 STOREY )			A-01	
	ENGINEER:	MOHAMED AHSAN	LOCATION:	DH. KUDAHUVADHOO				
	SERVICES ENG:		DRAWING TITLE:	AS GIVEN				
	ESTIMATOR:		CLIENT:	MINISTRY OF EDUCATION				
	DRAWN BY:	ASFAN AHMED	SCALE:	AS GIVEN	DIMENSION:	MM		DATE:
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								PROJECT NO.: 14-124

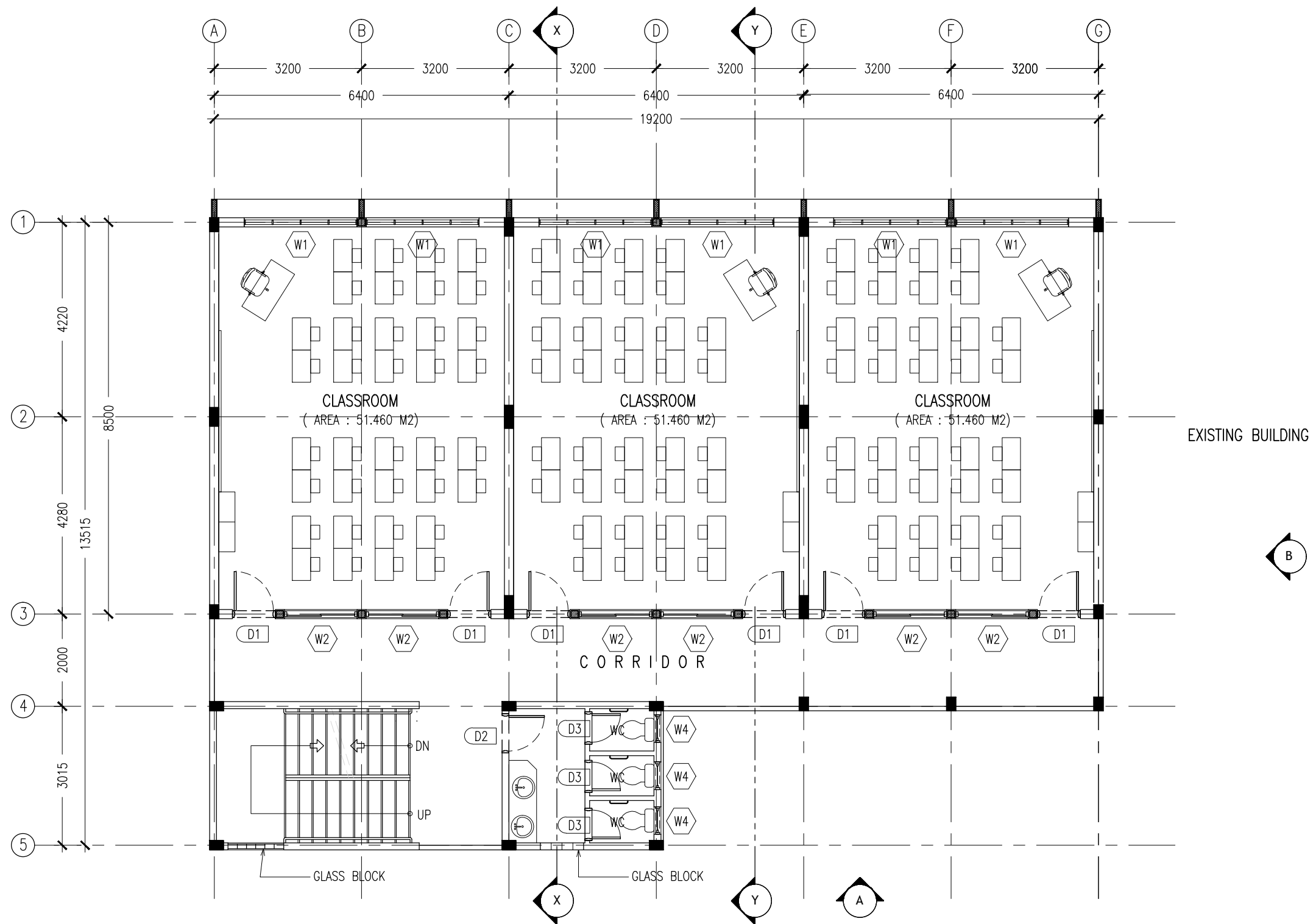


GROUND FLOOR LAYOUT PLAN  
SCALE 1:100

CONTRACTORS MUST  
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PRECEDENCE OVER  
SCALE READINGS

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REVISION:	ARCHITECT:	MOHAMED HAMEEN	PROJECT:			PROPOSED 06 CLASS ROOM BLOCK ( 03 STOREY )			A-02	
	ENGINEER:	MOHAMED AHSAN	LOCATION:			DH. KUDAHUVADHOO				
	SERVICES ENG:		DRAWING TITLE:			AS GIVEN				
	ESTIMATOR:		CLIENT:			MINISTRY OF EDUCATION				
	DRAWN BY:	ASFAN AHMED	SCALE:			AS GIVEN	DIMENSION:	MM		DATE:
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										PROJECT NO.: 14-124



1ST/2ND FLOOR LAYOUT PLAN  
SCALE 1:100

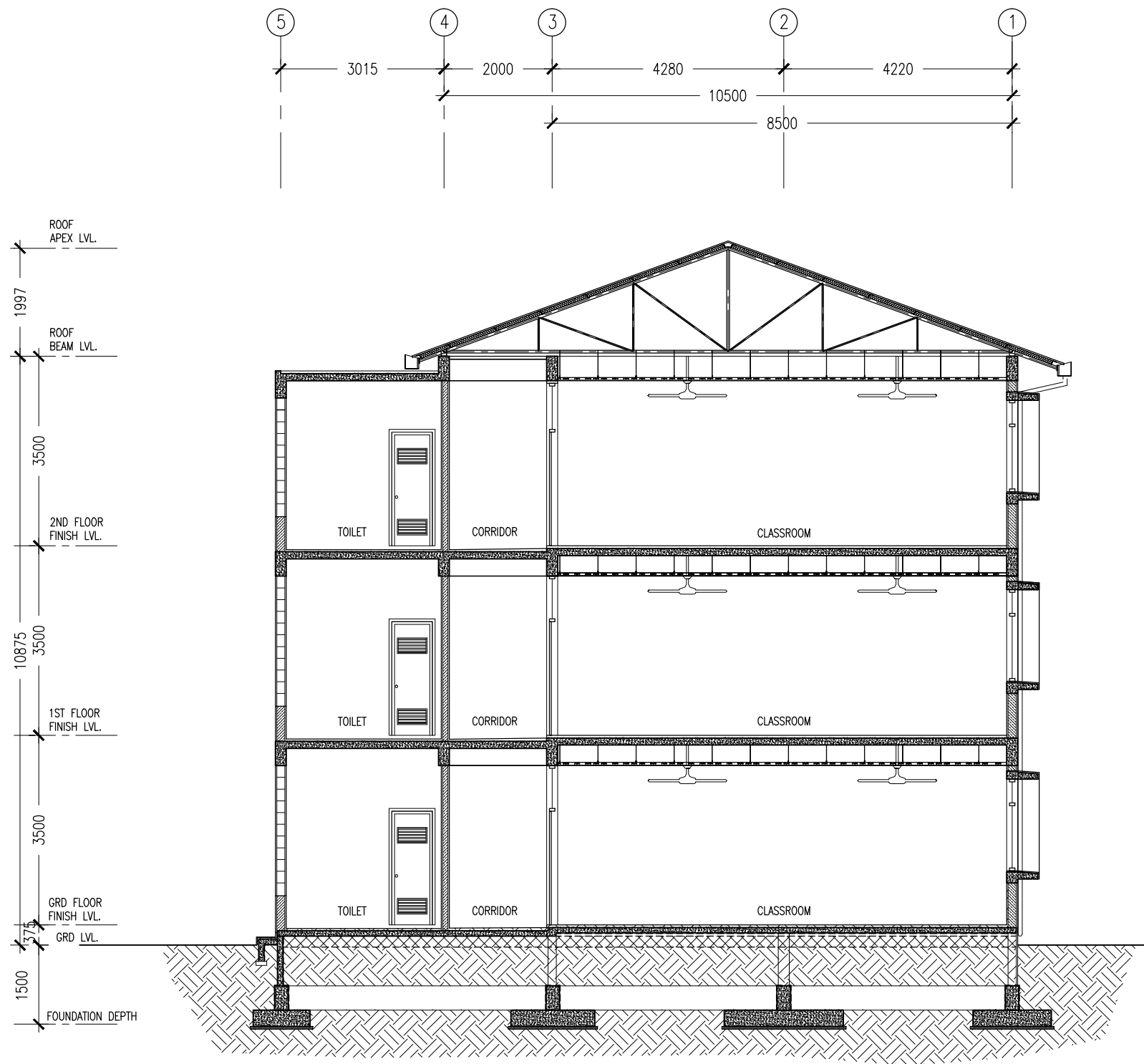
CONTRACTORS MUST  
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REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: PROPOSED 06 CLASS ROOM BLOCK ( 03 STOREY )	A-03
	ENGINEER: MOHAMED AHSAN	LOCATION: DH. KUDAHUVADHOO	
	SERVICES ENG:	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: ASFAN AHMED	SCALE: AS GIVEN	
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		DATE: MAY 2015	PROJECT NO.: 14-124



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SECTION X-X  
SCALE 1:100

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SCALE READINGS



REVISION:	

ARCHITECT:	MOHAMED HAMEEN
ENGINEER:	MOHAMED AHSAN
SERVICES ENG:	
ESTIMATOR:	
DRAWN BY:	ASFAN AHMED

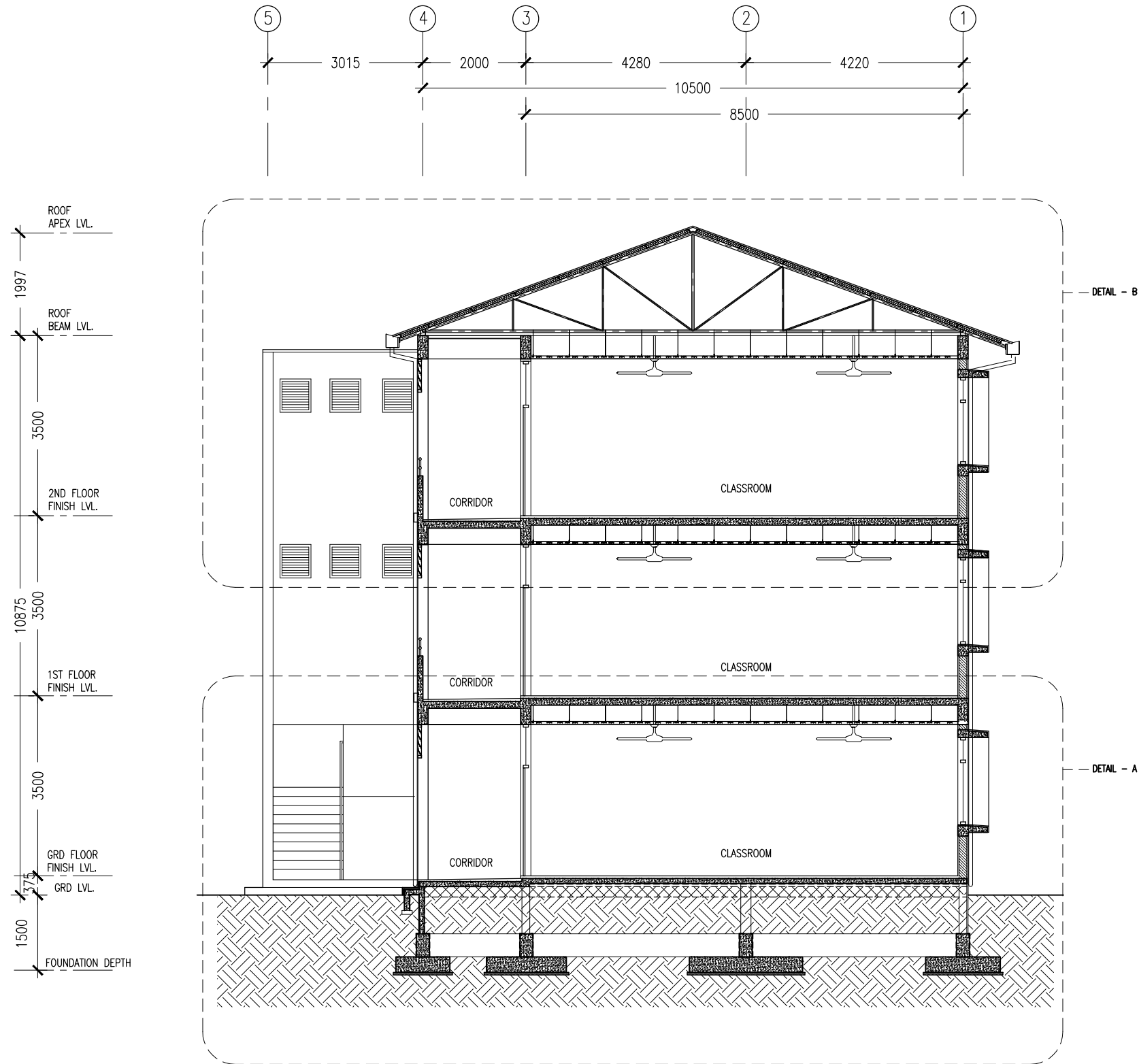
PROJECT:	PROPOSED 06 CLASS ROOM BLOCK ( 03 STOREY )		
LOCATION:	DH. KUDAHUVADHOO		
DRAWING TITLE:	AS GIVEN		
CLIENT:	MINISTRY OF EDUCATION		
SCALE:	AS GIVEN	DIMENSION:	MM
		DATE:	MAY 2015

A-05

DWG NO

PROJECT NO.: 14-124

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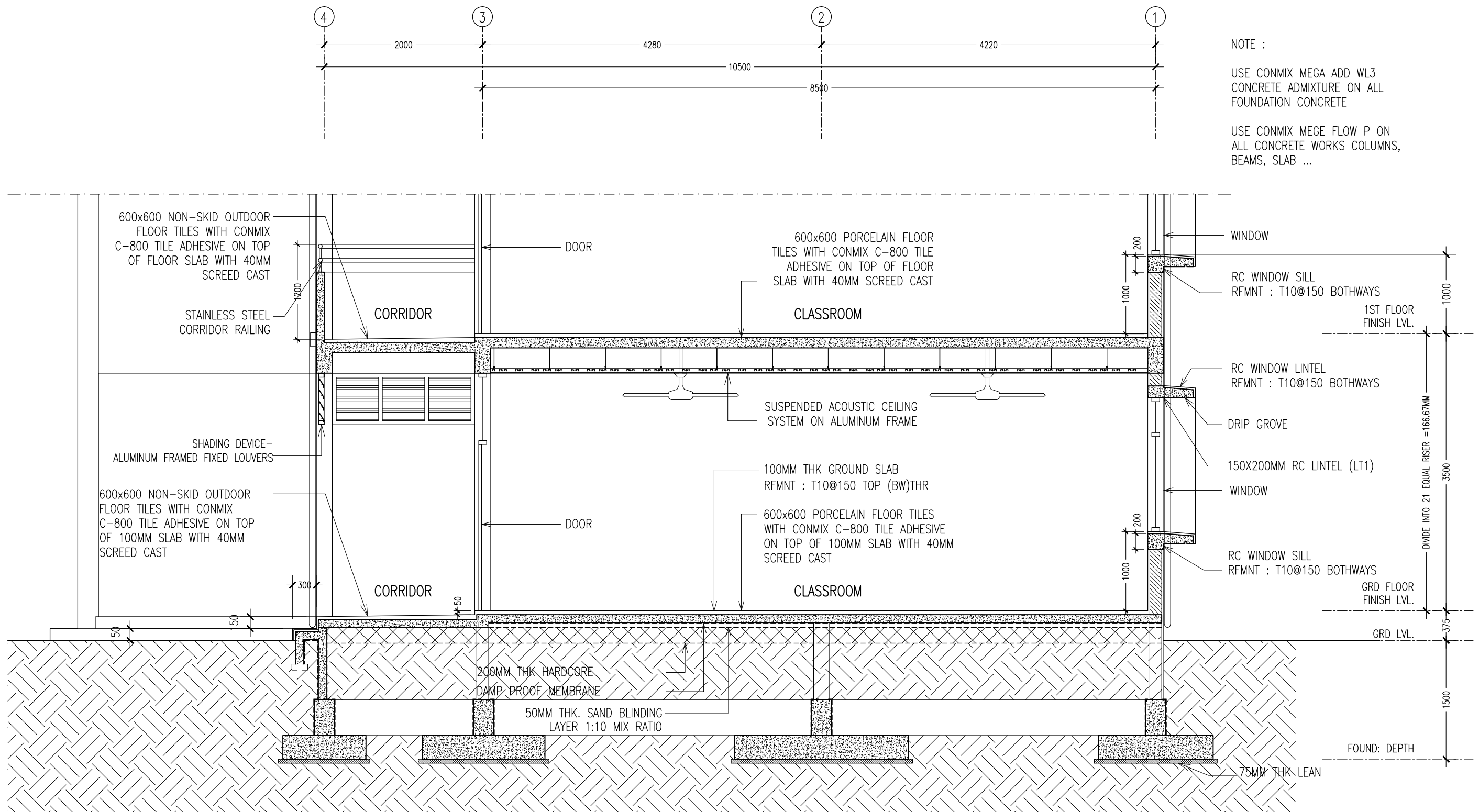


SECTION Y-Y  
SCALE 1:100

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REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: PROPOSED 06 CLASS ROOM BLOCK ( 03 STOREY )	A-06
	ENGINEER: MOHAMED AHSAN	LOCATION: DH. KUDAHUVADHOO	
	SERVICES ENG:	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: ASFAN AHMED	SCALE: AS GIVEN	
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			PROJECT NO.: 14-124



SECTION DETAIL Y-Y  
SCALE 1:50

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REVISION:

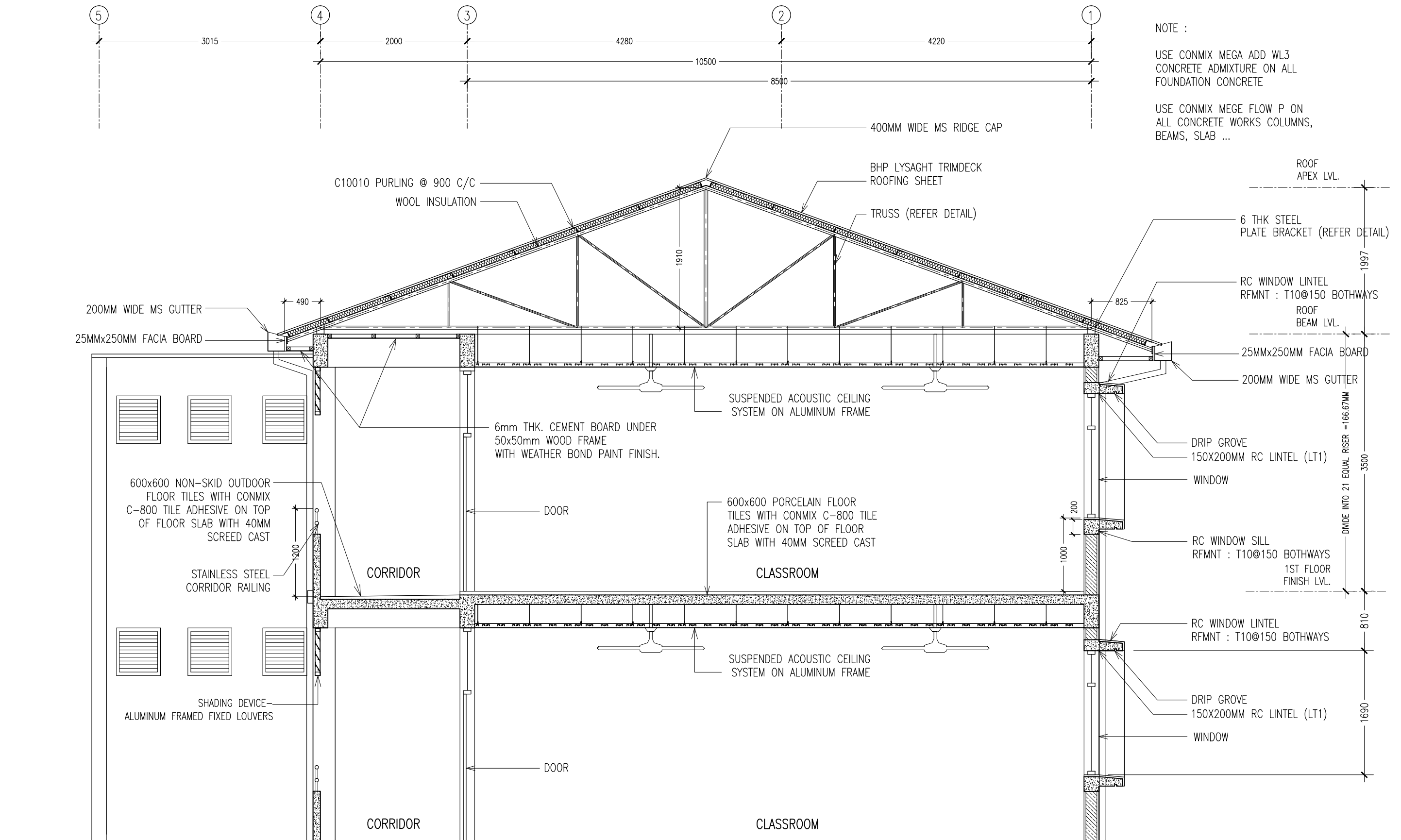
ARCHITECT: MOHAMED HAMEEN  
ENGINEER: MOHAMED AHSAN  
SERVICES ENG:  
ESTIMATOR:  
DRAWN BY: ASFAN AHMED

PROJECT: PROPOSED 06 CLASS ROOM BLOCK ( 03 STOREY )  
LOCATION: DH. KUDAHUVADHOO  
DRAWING TITLE: AS GIVEN  
CLIENT: MINISTRY OF EDUCATION  
SCALE: AS GIVEN DIMENSION: MM DATE: MAY 2015

**A-07**  
DWG NO  
PROJECT NO.: 14-124

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SECTION DETAIL Y-Y  
SCALE 1:50

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SERVICES ENG:  
ESTIMATOR:  
DRAWN BY: ASFAN AHMED

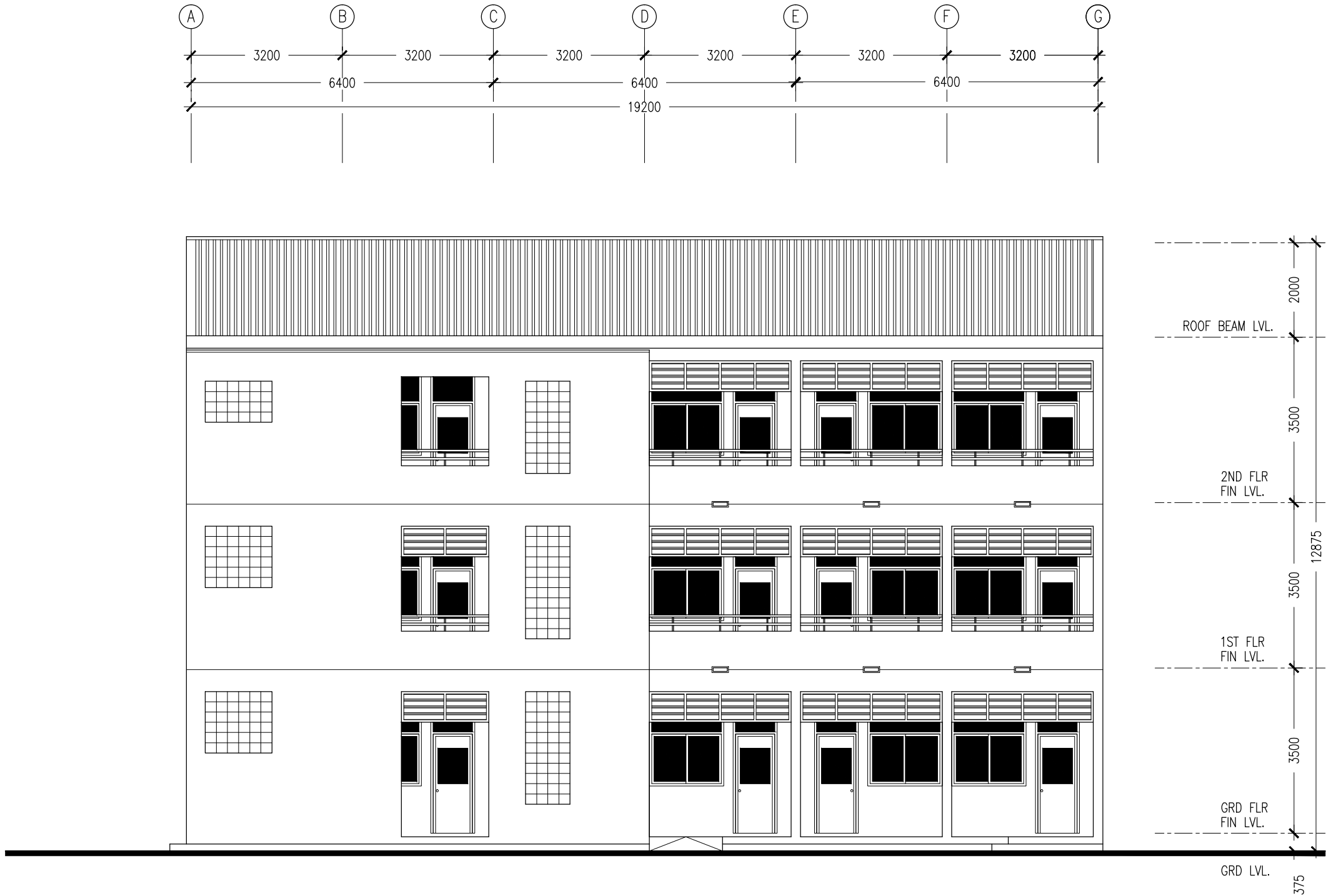
PROJECT: PROPOSED 06 CLASS ROOM BLOCK ( 03 STOREY )  
LOCATION: DH. KUDAHUVADHOO  
DRAWING TITLE: AS GIVEN  
CLIENT: MINISTRY OF EDUCATION  
SCALE: AS GIVEN DIMENSION: MM DATE: MAY 2015

A-08

DWG NO

PROJECT NO.: 14-124

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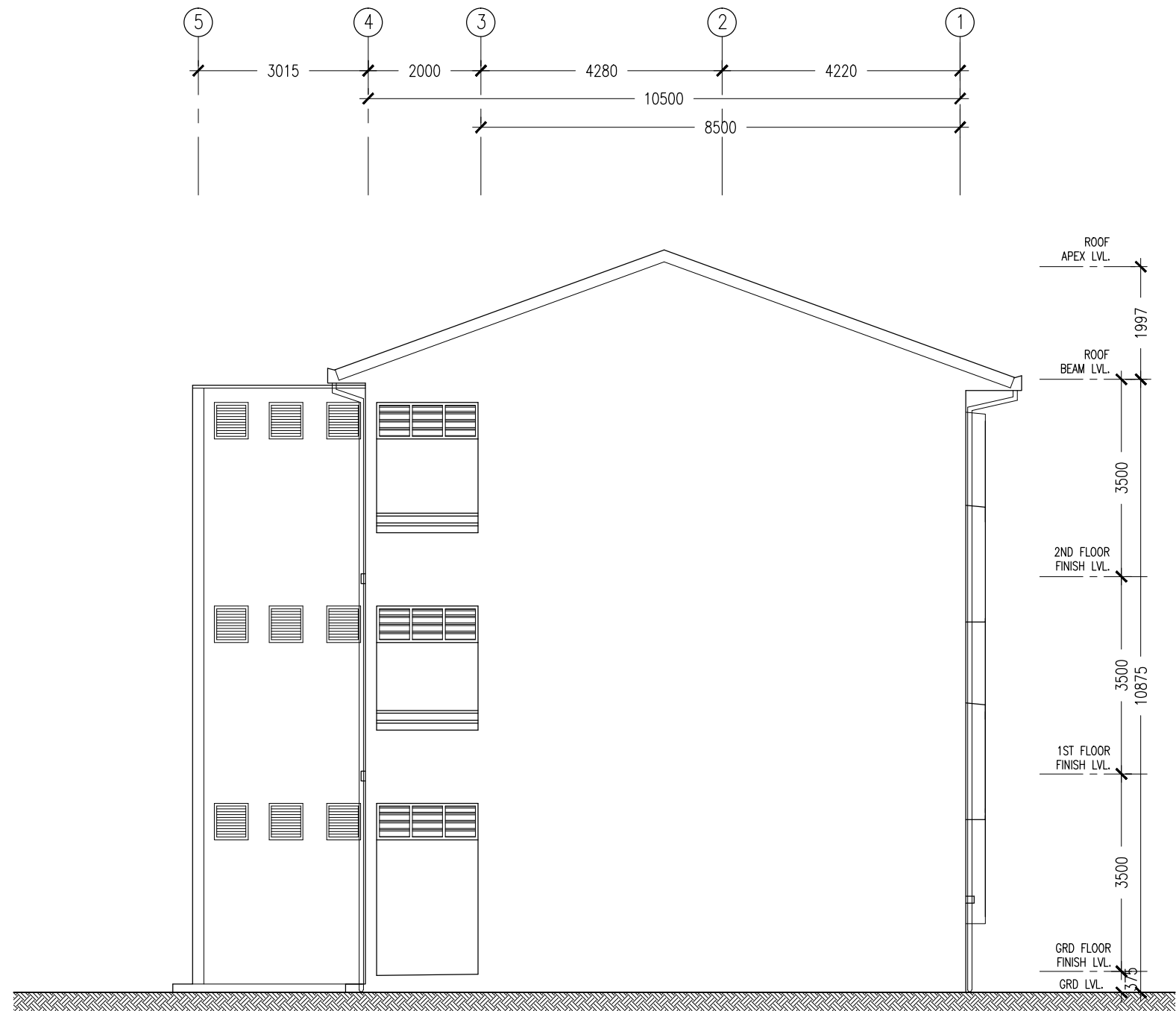
ELEVATION - A  
SCALE 1:100

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REVISION:	ARCHITECT:	MOHAMED HAMEEN	PROJECT:	PROPOSED 06 CLASS ROOM BLOCK ( 03 STOREY )			A-09			
	ENGINEER:	MOHAMED AHSAN	LOCATION:	DH. KUDAHUVADHOO						
	SERVICES ENG:		DRAWING TITLE:	AS GIVEN						
	ESTIMATOR:		CLIENT:	MINISTRY OF EDUCATION						
	DRAWN BY:	ASFAN AHMED	SCALE:	AS GIVEN	DIMENSION:	MM	DATE:	MAY 2015	DWG NO:	14-124
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ELEVATION - B  
SCALE 1:100

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REVISION:

ARCHITECT: MOHAMED HAMEEN  
ENGINEER: MOHAMED AHSAN  
SERVICES ENG:  
ESTIMATOR:  
DRAWN BY: ASFAN AHMED

PROJECT: PROPOSED 06 CLASS ROOM BLOCK ( 03 STOREY )  
LOCATION: DH. KUDAHUVADHOO  
DRAWING TITLE: AS GIVEN  
CLIENT: MINISTRY OF EDUCATION  
SCALE: AS GIVEN  
DIMENSION: MM  
DATE: MAY 2015

A-10  
DWG NO  
PROJECT NO.: 14-124

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ELEVATIONS :						
DR / WD NO.	D1	D2	D3	W1	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 SLIDING WINDOW PANEL	ALUMINUM FRAMED 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
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-5MM THICK BLUE TINTED GLASS	C-5MM THICK BLUE TINTED GLASS ALL FIXED PANELS TO BE DOUBLE GLAZED	C-5MM THICK BLUE TINTED GLASS
ELEVATIONS :						
DR / WD NO.	W4	SHADING DEVICE (FRONT) TYPE-1		SHADING DEVICE (SIDE) TYPE-2		
DESCRIPTION :	ALUMINUM FRAMED FIXED LOUVRE WINDOW PANEL	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		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

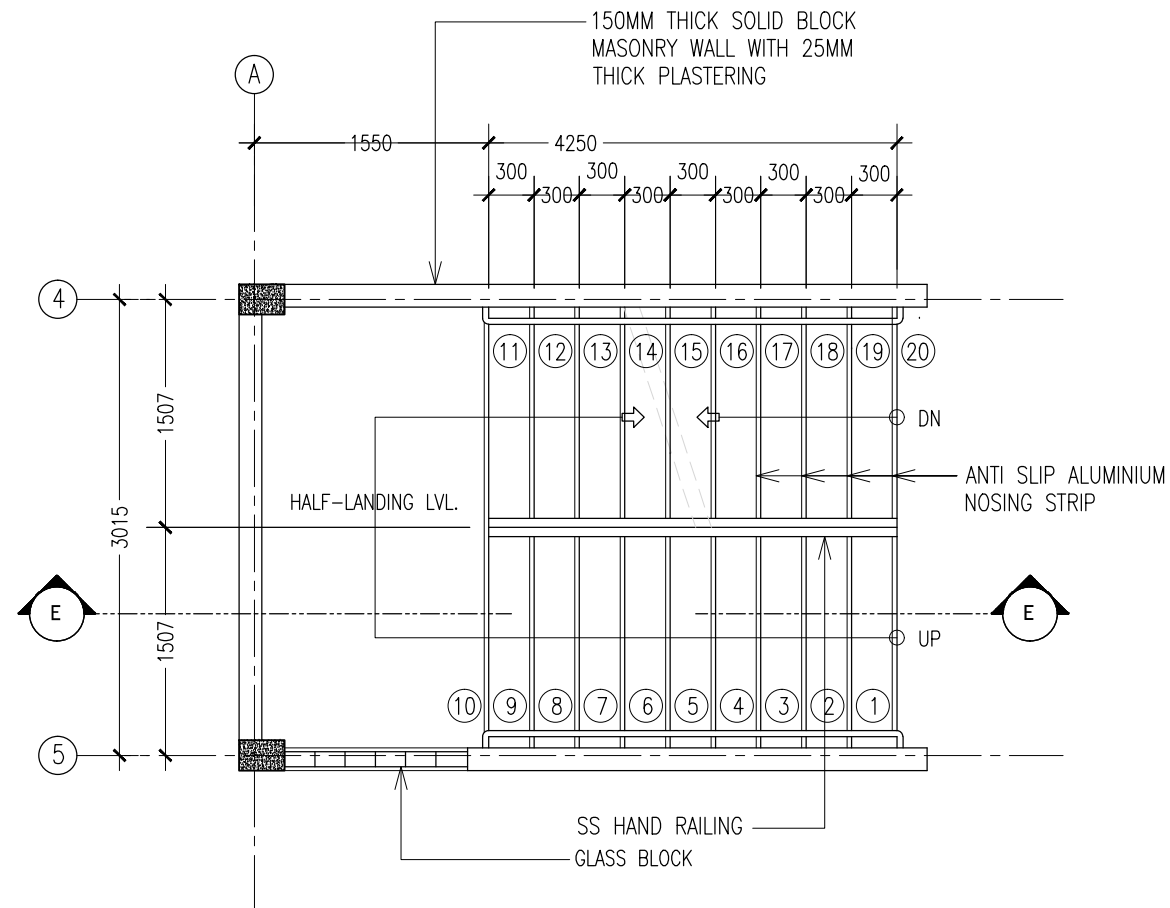
ALL DIMENSIONS TO BE CHECKED ON SITE PRIOR TO FABRICATION

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

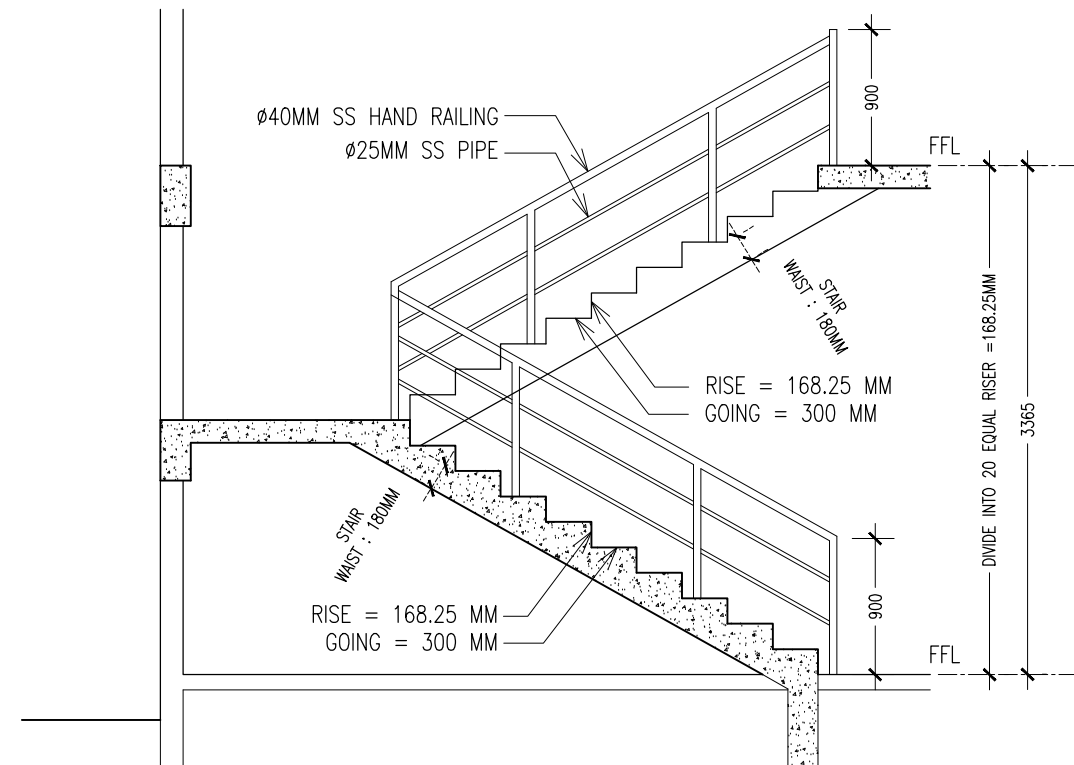
FG : FIXED GLASS  
FTL : FIXED TIMBER LOUVRES  
FAL : FIXED ALUMINUM LOUVRES

DOOR / WINDOW SCHEDULE

SCALE 1:50



**TYPICAL STAIR PLAN**  
SCALE 1:50



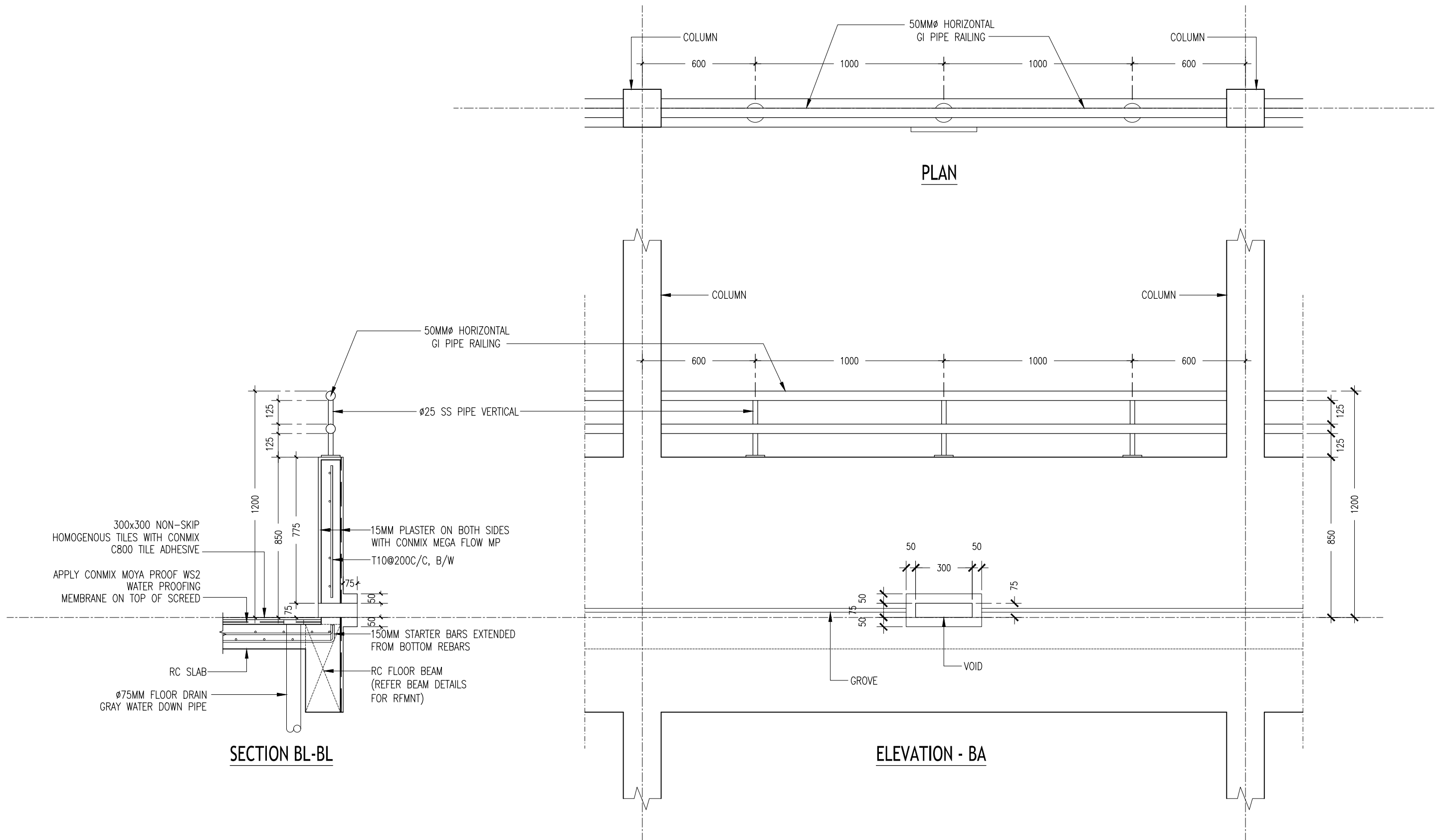
**SECTION E-E**  
SCALE 1:50

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REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: PROPOSED 06 CLASS ROOM BLOCK ( 03 STOREY )	<b>A-12</b> DWG NO
	ENGINEER: MOHAMED AHSAN	LOCATION: DH. KUDAHUVADHOO	
	SERVICES ENG:	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: ASFAN AHMED	SCALE: AS GIVEN    DIMENSION: MM    DATE: MAY 2015	
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TYPICAL BALCONY PARAPET WALL  
SCALE 1:20

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REVISION:	

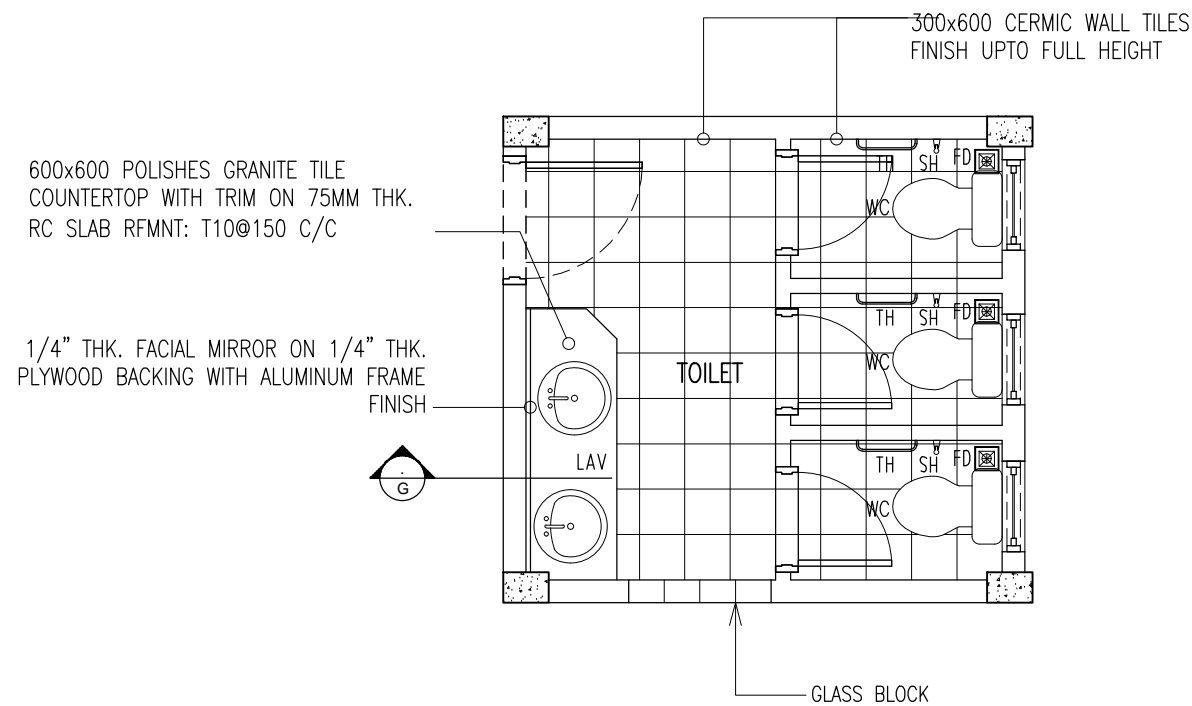
ARCHITECT:	MOHAMED HAMEEN
ENGINEER:	MOHAMED AHSAN
SERVICES ENG:	
ESTIMATOR:	
DRAWN BY:	ASFAN AHMED

PROJECT:	PROPOSED 06 CLASS ROOM BLOCK ( 03 STOREY )		
LOCATION:	DH. KUDAHUVADHOO		
DRAWING TITLE:	AS GIVEN		
CLIENT:	MINISTRY OF EDUCATION		
SCALE:	AS GIVEN	DIMENSION:	MM
		DATE:	MAY 2015

A-13

DWG NO  
PROJECT NO.: 14-124

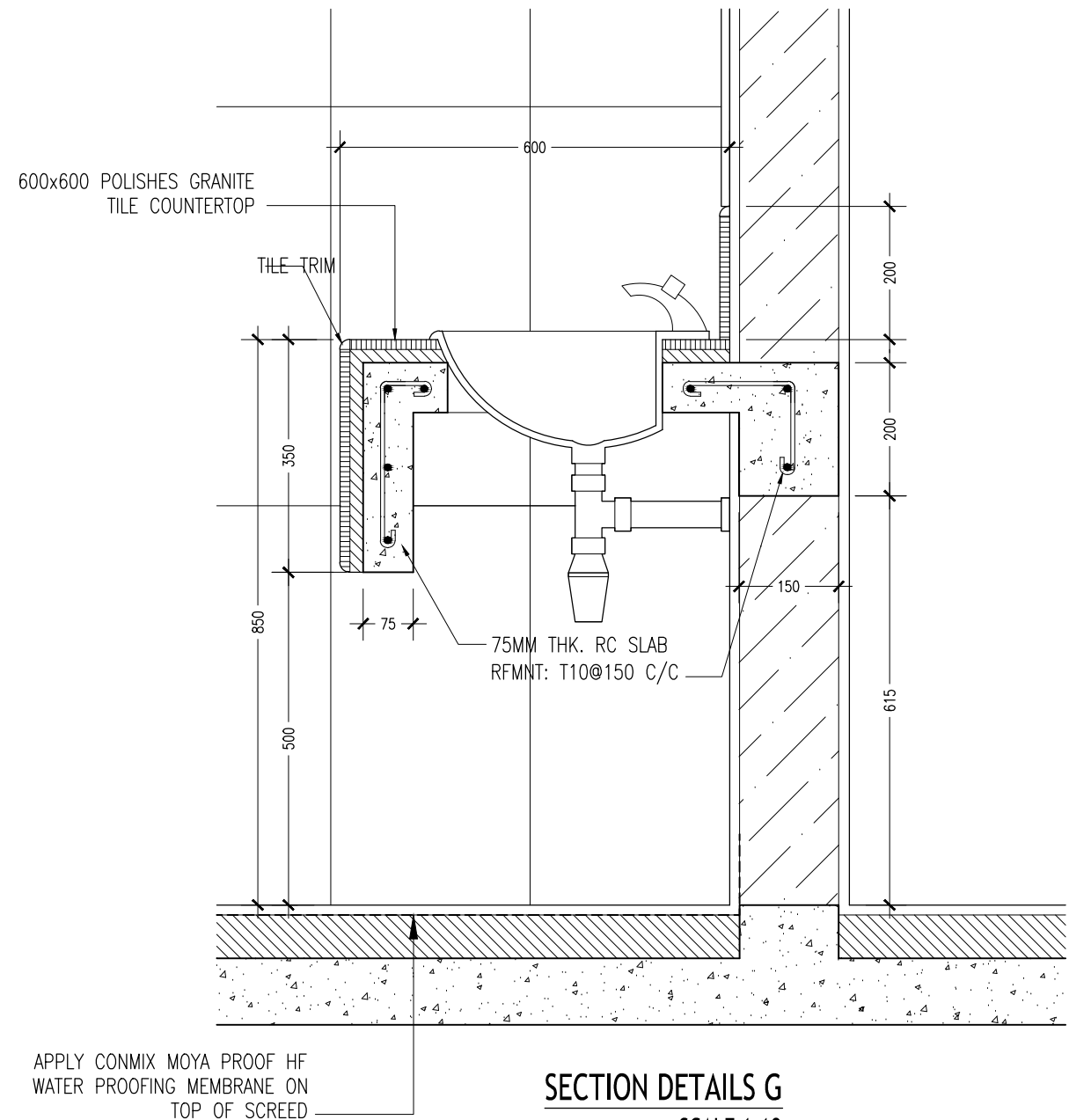
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LEGEND	
FD	: FLOOR DRAIN
HS	: HAND SHOWER
LAV	: LAVATORY / SINK
TH	: TOWEL HANGER

NOTE :  
ALL TOILETS FLOOR TO BE WATER PROOF BY  
MOYA PROOF HF

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

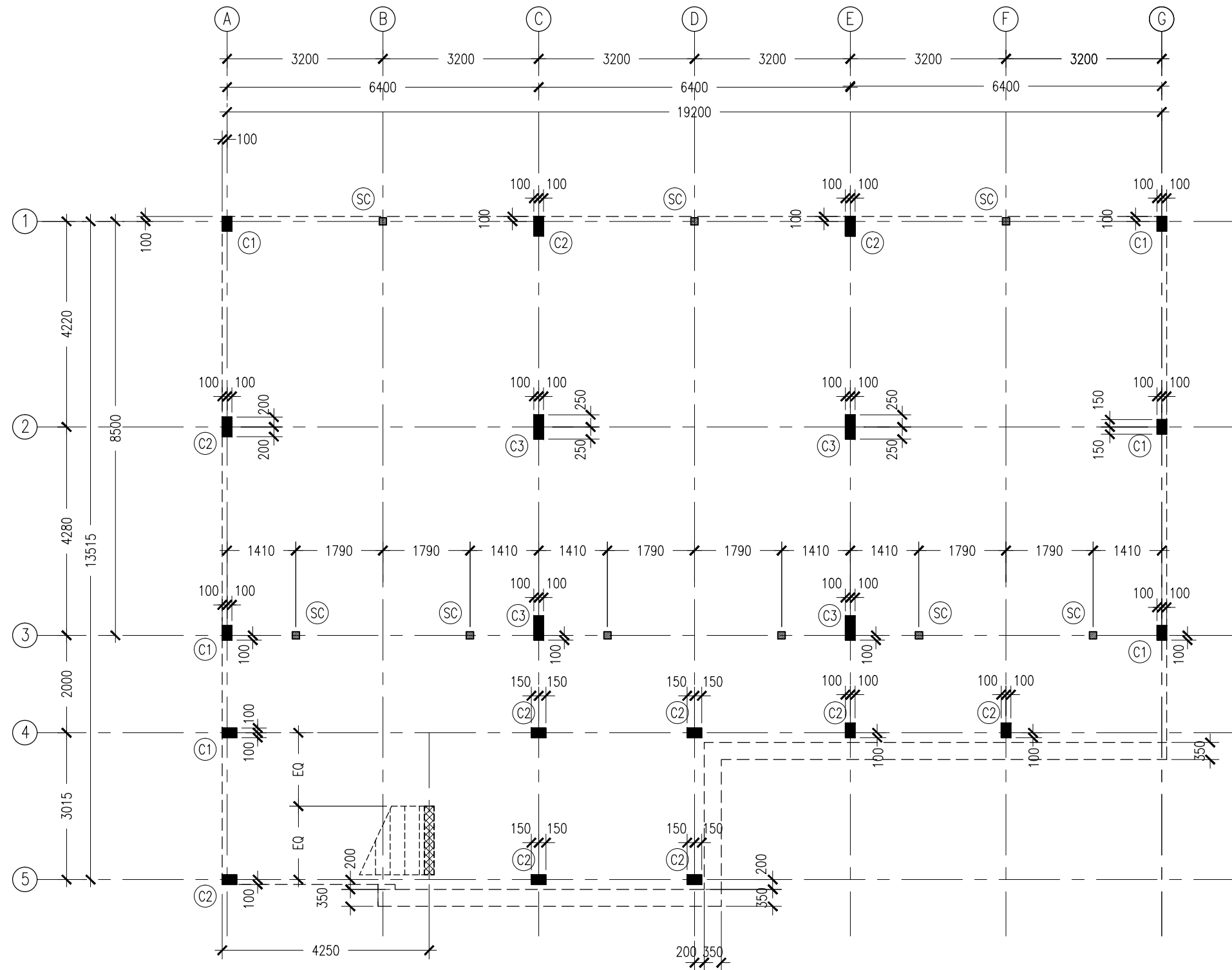


**SECTION DETAILS G**  
SCALE 1:10

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REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: PROPOSED 06 CLASS ROOM BLOCK ( 03 STOREY )	<div>A-14</div> <div>DWG NO</div> <div>PROJECT NO.: 14-124</div>
	ENGINEER: MOHAMED AHSAN	LOCATION: DH. KUDAHUVADHOO	
	SERVICES ENG:	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: ASFAN AHMED	SCALE: AS GIVEN	
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- 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.

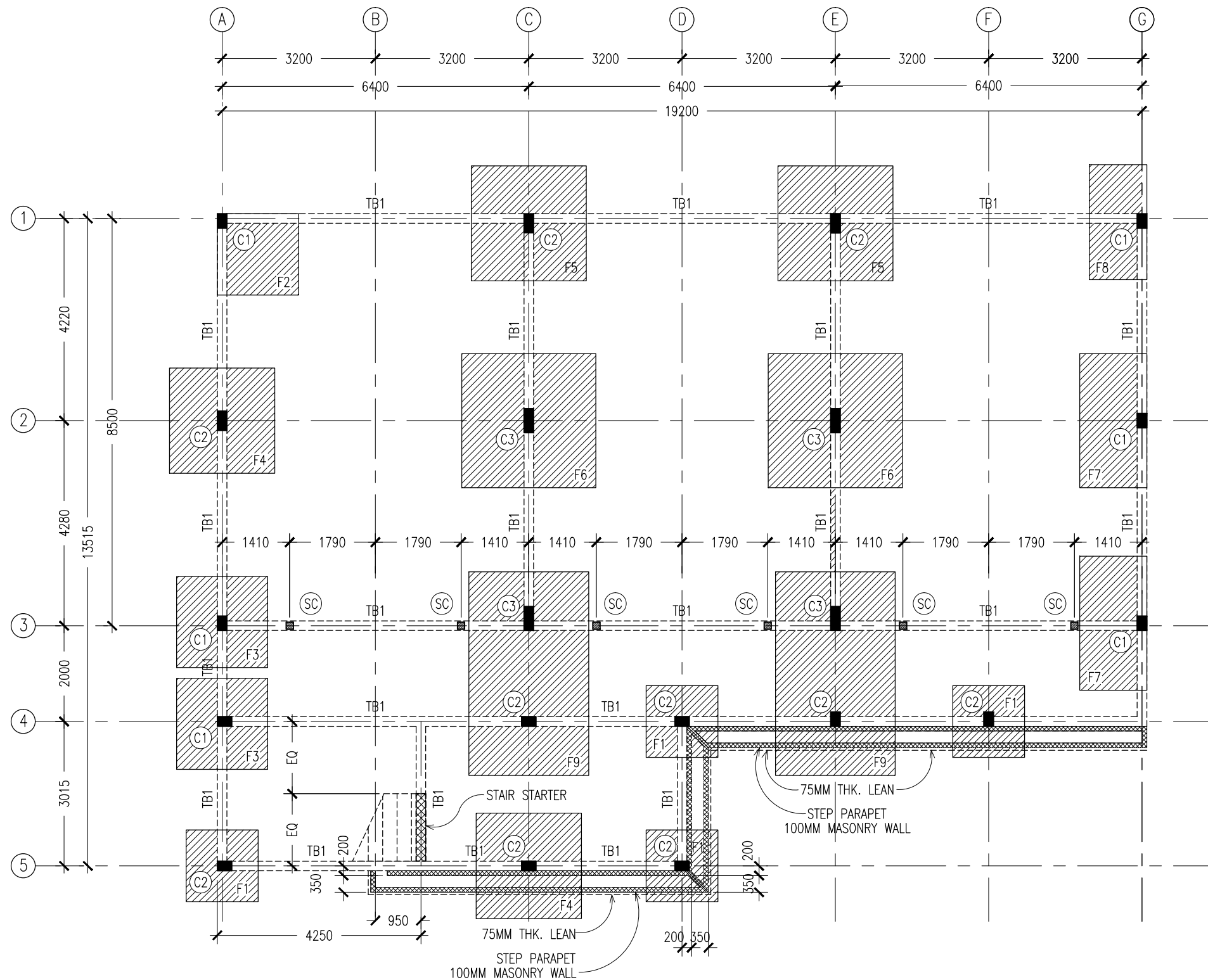
COLUMN SETTING LAYOUT PLAN  
SCALE 1:100

CONTRACTORS MUST  
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REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: PROPOSED 06 CLASS ROOM BLOCK ( 03 STOREY )	S-01
	ENGINEER: MOHAMED AHSAN	LOCATION: DH. KUDAHUVADHOO	
	SERVICES ENG:	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: ASFAN AHMED	SCALE: AS GIVEN    DIMENSION: MM    DATE: MAY 2015	
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- NOTES :
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  - 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.

GROUND FLOOR LAYOUT PLAN  
SCALE 1:100

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ENGINEER: MOHAMED AHSAN  
SERVICES ENG:  
ESTIMATOR:  
DRAWN BY: ASFAN AHMED

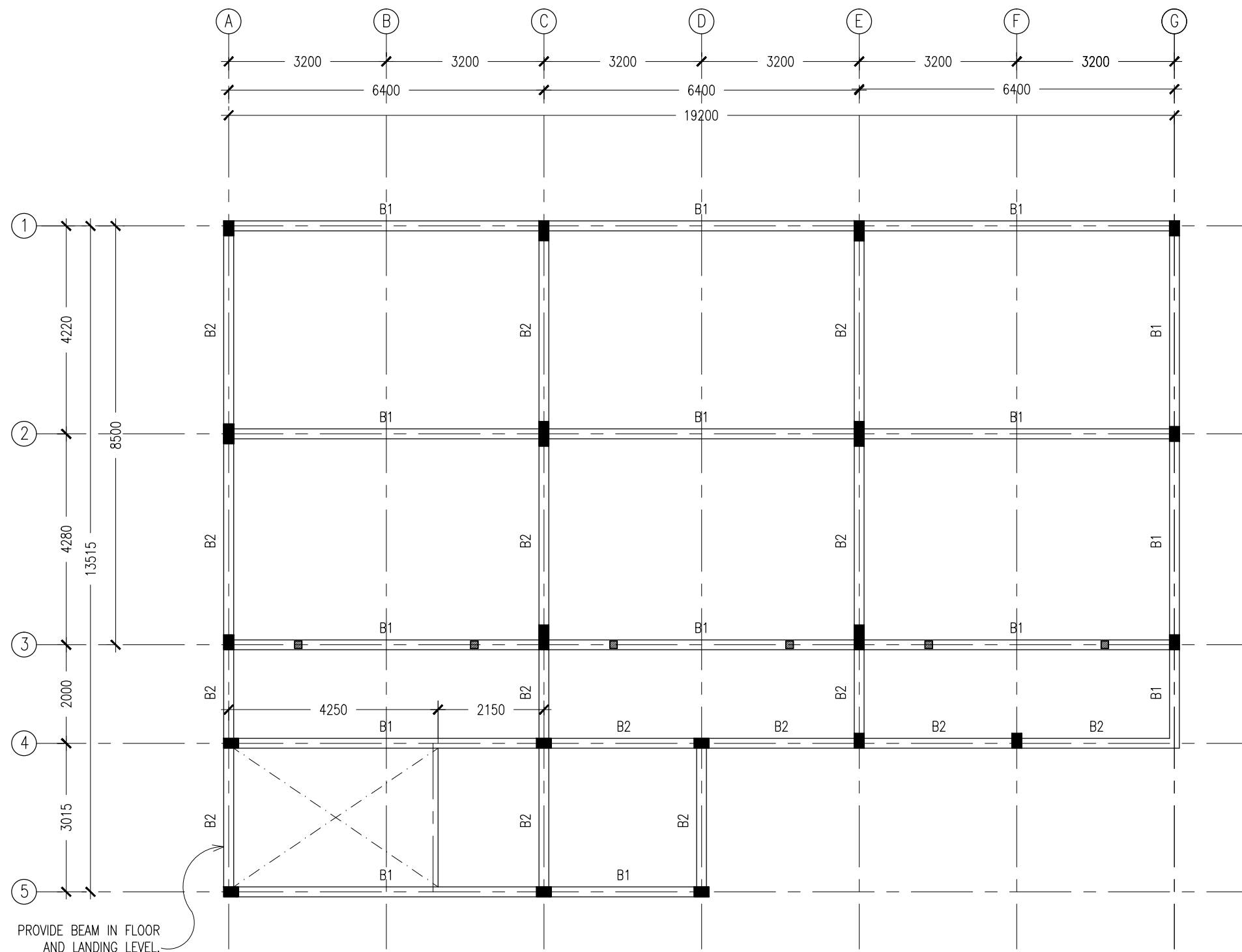
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LOCATION: DH. KUDAHUVADHOO  
DRAWING TITLE: AS GIVEN  
CLIENT: MINISTRY OF EDUCATION  
SCALE: AS GIVEN DIMENSION: MM DATE: MAY 2015

S-02

DWG NO

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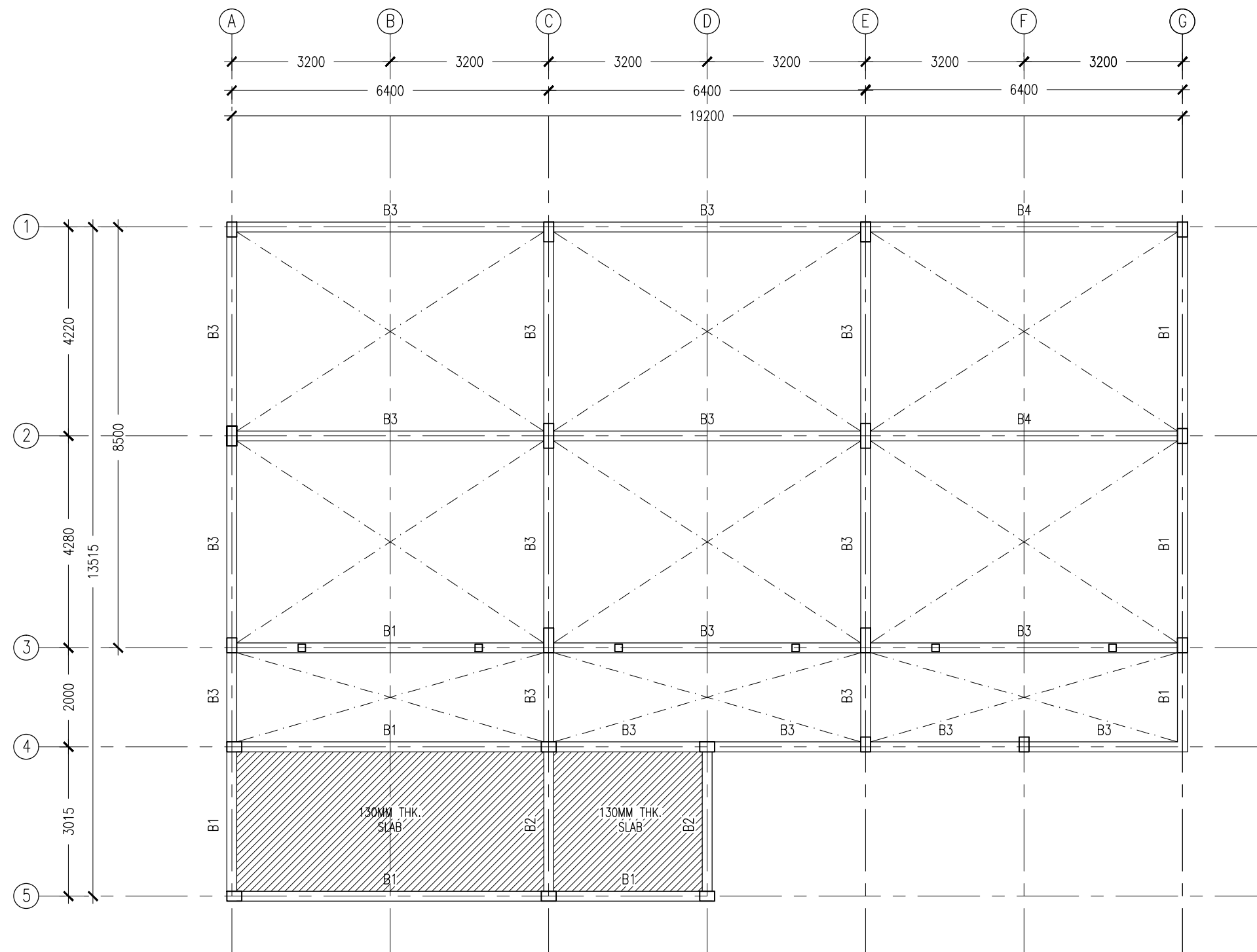
- NOTES :
- SLAB THICKNESS : 150MM  
ACCPT WHERE STATED
  - SLAB BOTTOM COVER: 30MM
  - SLAB TOP COVER: 25MM
  - COVER TO BEAMS : 35MM
  - COVER TO COLUMNS : 40MM
  - CONCRETE MIX : 1:2:3  
UNLESS STATED
  - ADD CONMIX MEGAFLOW MP TO ALL EXTERNAL PLASTER &  
FOR WET AREA PLASTER
  - ADD CONMIX MEGA FLOW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

1ST-2ND FLOOR SLAB BEAM LAYOUT PLAN  
SCALE 1:100

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SCALE READINGS



REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: PROPOSED 06 CLASS ROOM BLOCK ( 03 STOREY )	S-03
	ENGINEER: MOHAMED AHSAN	LOCATION: DH. KUDAHUVADHOO	
	SERVICES ENG:	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: ASFAN AHMED	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.: 14-124



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 MEGAFLOW MP TO ALL EXTERNAL PLASTER &  
FOR WET AREA PLASTER
- ADD CONMIX MEGA FLOW P TO ALL SUPER STRUCTURE CONCRETE.

## 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

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

REVISION:

ARCHITECT: MOHAMED HAMEEN  
ENGINEER: MOHAMED AHSAN  
SERVICES ENG:  
ESTIMATOR:  
DRAWN BY: ASFAN AHMED

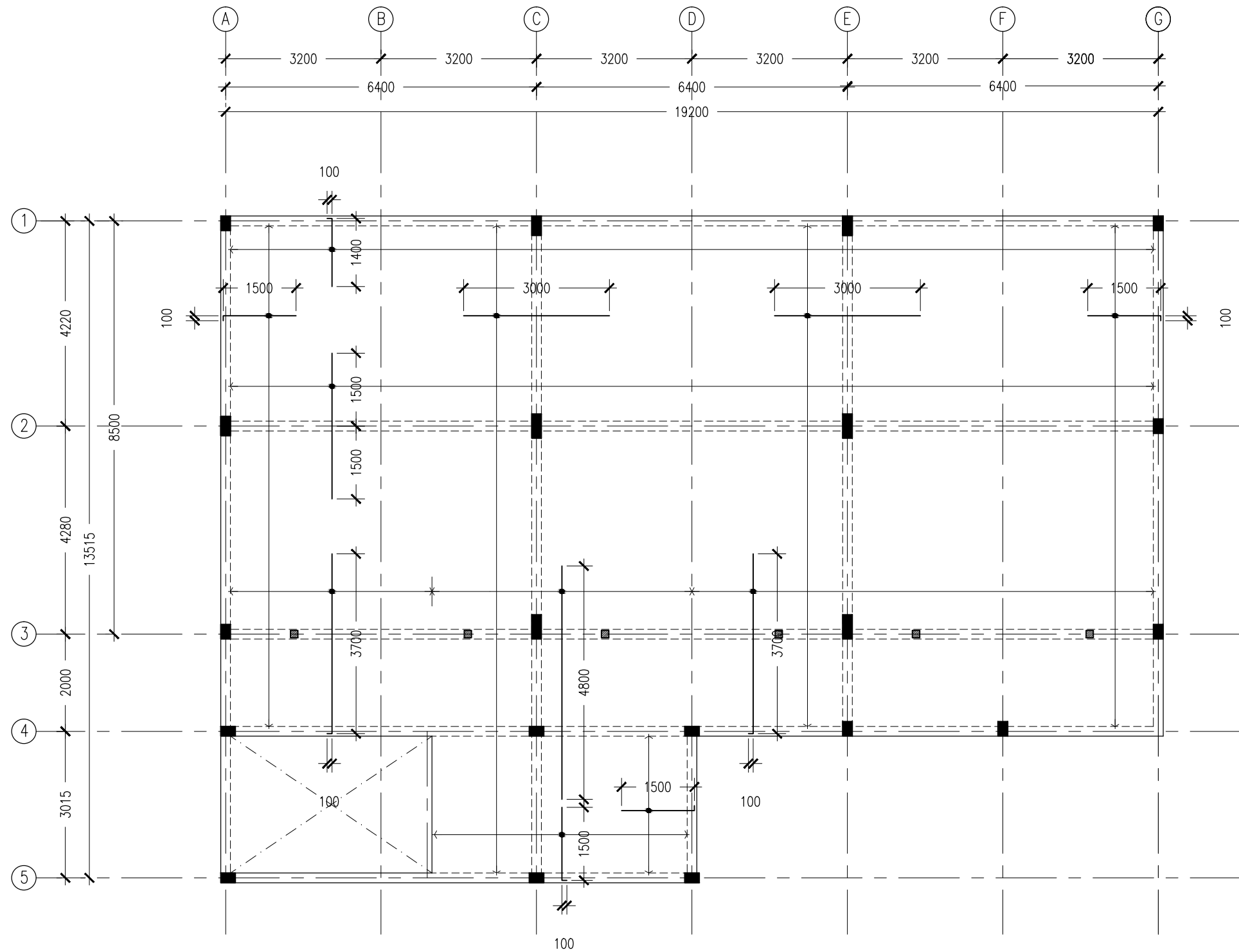
PROJECT: PROPOSED 06 CLASS ROOM BLOCK ( 03 STOREY )  
LOCATION: DH. KUDAHUVADHOO  
DRAWING TITLE: AS GIVEN  
CLIENT: MINISTRY OF EDUCATION  
SCALE: AS GIVEN  
DIMENSION: MM  
DATE: MAY 2015

**S-04**

DWG NO

PROJECT NO.: 14-124

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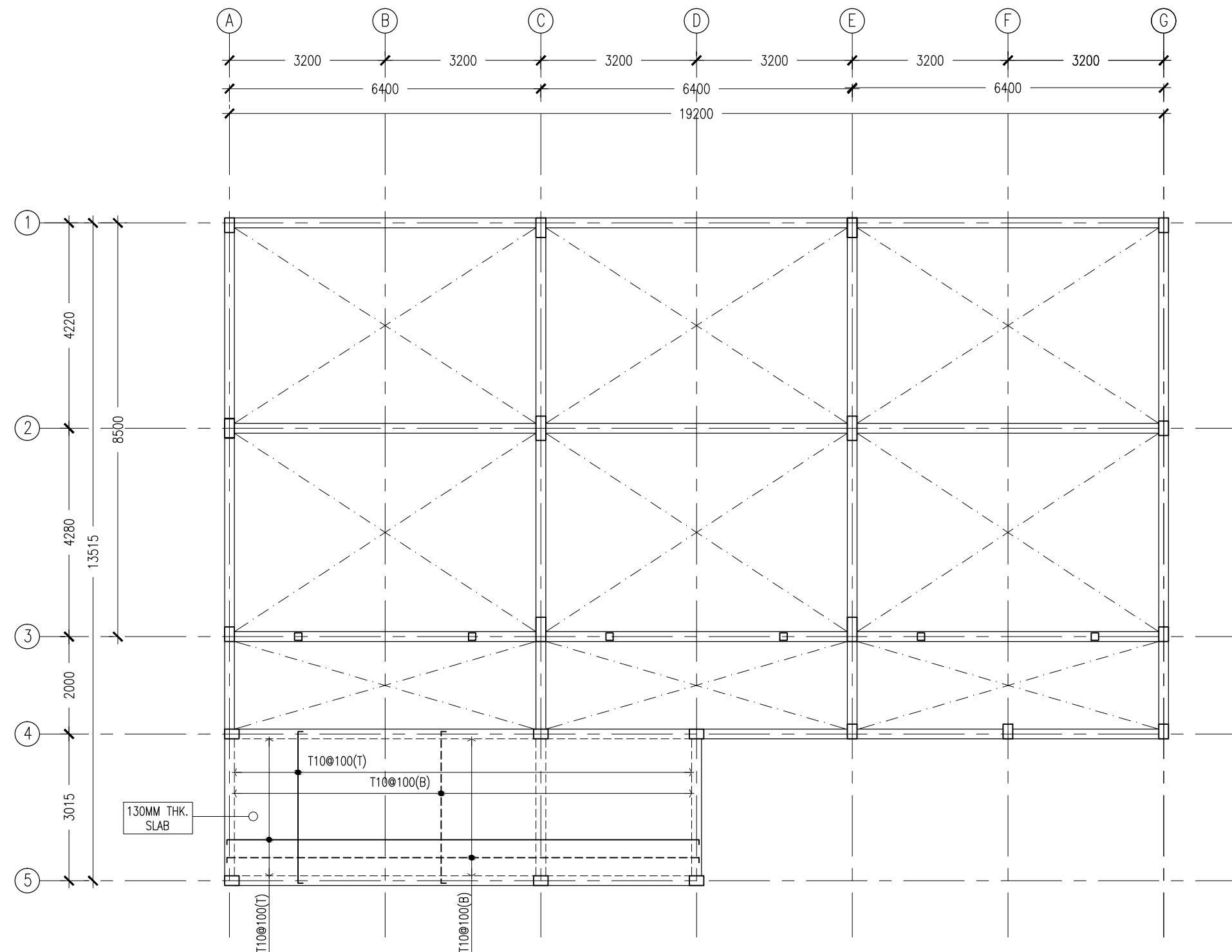
1ST-2ND FLOOR SLAB RFMNT LAYOUT PLAN  
SCALE 1:100

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	PROJECT:			PROPOSED 06 CLASS ROOM BLOCK ( 03 STOREY )			S-05	
	ENGINEER:	MOHAMED AHSAN	LOCATION:			DH. KUDAHUVAHDHOO				
	SERVICES ENG:		DRAWING TITLE:			AS GIVEN				
	ESTIMATOR:		CLIENT:			MINISTRY OF EDUCATION				
	DRAWN BY:	ASFAN AHMED	SCALE:			AS GIVEN	DIMENSION:	MM		DATE:
									DWG NO	
									PROJECT NO.:	14-124
CONCEPT AND DESIGN IN THIS DRAWING ARE THE PROPERTIES OF ARCHING 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										

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  
ACCPET WHERE STATED
- \*SLAB BOTTOM COVER: 30MM
- \*SLAB TOP COVER: 25MM
- \*SLAB TOP MAIN REINFORCEMENT : T10-150MM 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@150 BW C/C

\*TYPICAL TOP REBAR

EXTRA 100mm  
INFO-BEAM

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

## ROOF SLAB RFMNT LAYOUT PLAN

SCALE 1:100

CONTRACTORS MUST  
CHECK ALL  
DIMENSIONS ON SITE  
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DRAWINGS, FIGURED  
DIMENSIONS TO TAKE  
PRECEDENCE OVER  
SCALE READINGS

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

REVISION:


ARCHITECT:	MOHAMED HAMEEN
ENGINEER:	MOHAMED AHSAN
SERVICES ENG:	
ESTIMATOR:	
DRAWN BY:	ASFAN AHMED

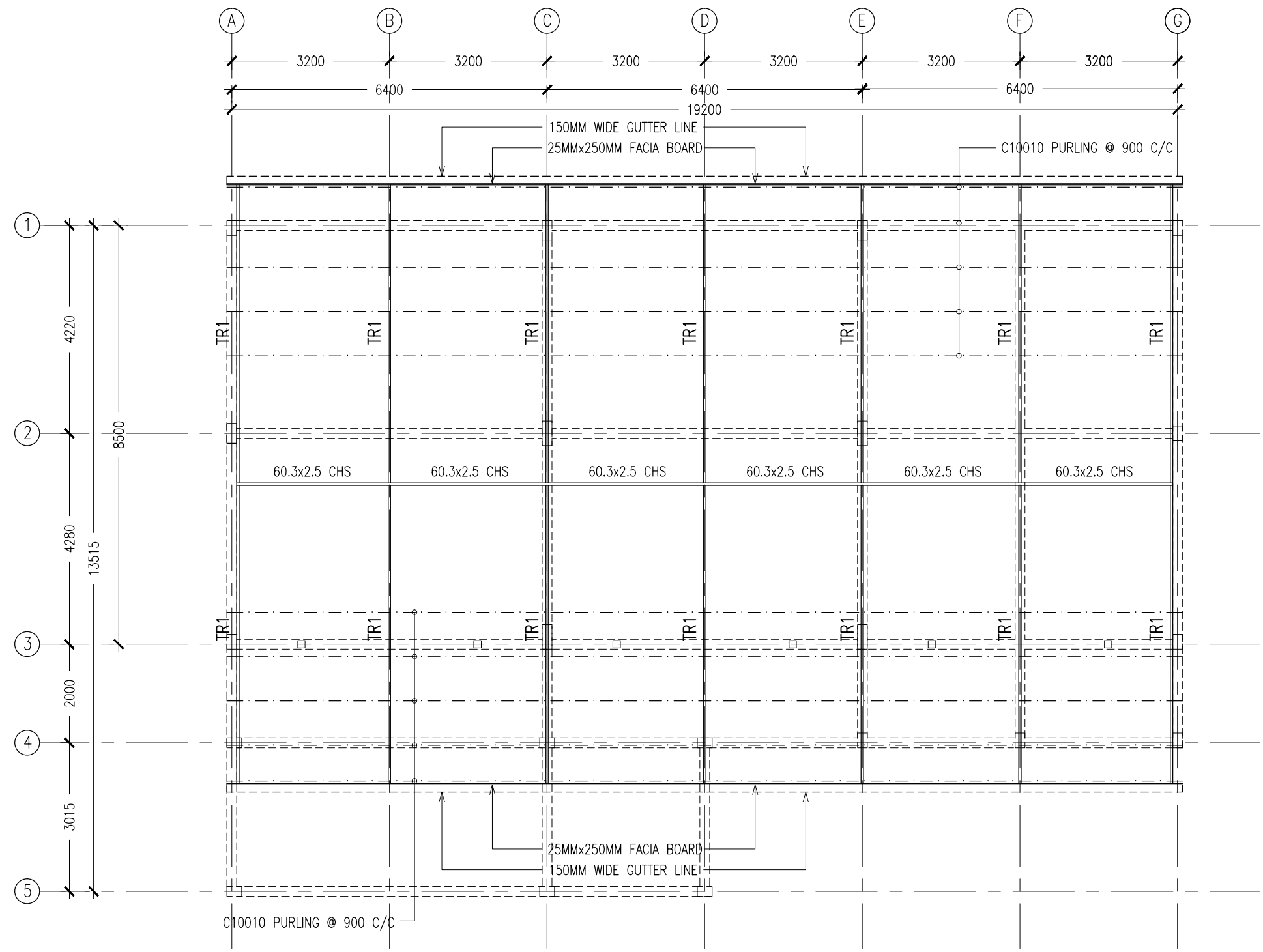
PROJECT:	PROPOSED 06 CLASS ROOM BLOCK ( 03 STOREY )		
LOCATION:	DH. KUDAHU/VADHOO		
DRAWING TITLE:	AS GIVEN		
CLIENT:	MINISTRY OF EDUCATION		
SCALE:	AS GIVEN	DIMENSION:	MM
DATE:	MAY 2015		

**S-06**

DWG NO

PROJECT NO.: 14-124

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



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



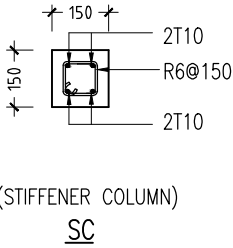
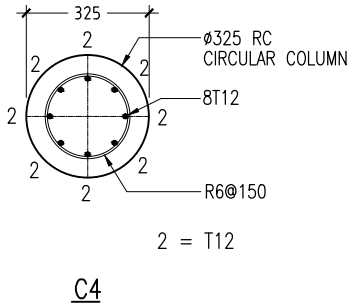
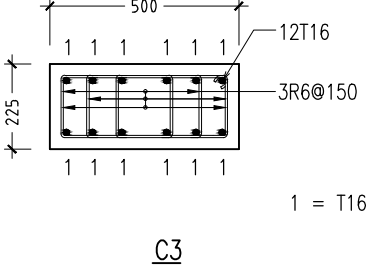
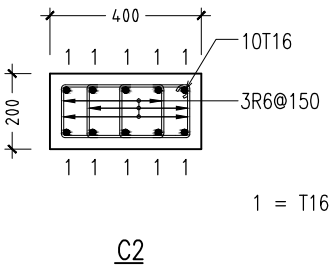
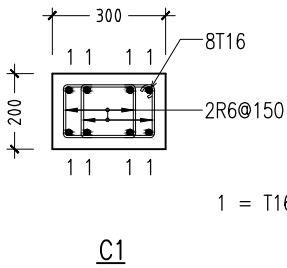
REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: PROPOSED 06 CLASS ROOM BLOCK ( 03 STOREY )	S-07
	ENGINEER: MOHAMED AHSAN	LOCATION: DH. KUDAHUVADHOO	
	SERVICES ENG:	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: ASFAN AHMED	SCALE: AS GIVEN    DIMENSION: MM    DATE: MAY 2015	
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.: 14-124

FOOTING	LENGTH/mm	WIDTH/mm	DEPTH/mm	REINFORCEMENT
F1	1500	1500	350	T12@100mm C/C BW TOP/BOTTOM
F2	1700	1700	450	T10@100mm C/C BW TOP/BOTTOM
F3	1900	1900	450	T16@100mm C/C BW TOP/BOTTOM
F4	2200	2200	450	T16@100mm C/C BW TOP/BOTTOM
F5	2400	2400	475	T16@100mm C/C BW TOP/BOTTOM
F6	2800	2800	550	T16@100mm C/C BW TOP/BOTTOM
F7	2800	1400	450	T16@100mm C/C BW TOP/BOTTOM
F8	2400	1200	400	T16@100mm C/C BW TOP/BOTTOM
F9	4250	2500	550	T16@100mm C/C BW TOP/BOTTOM

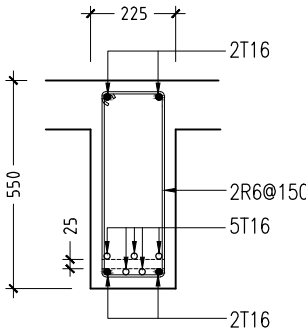
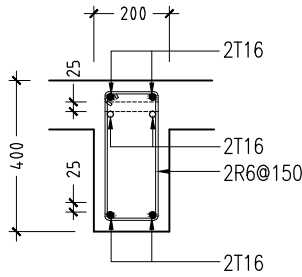
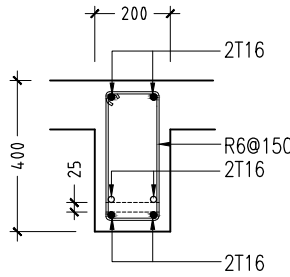
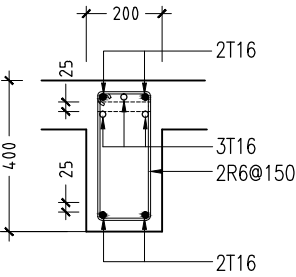
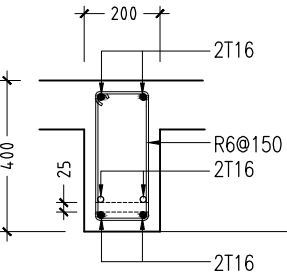
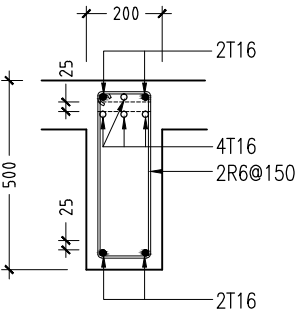
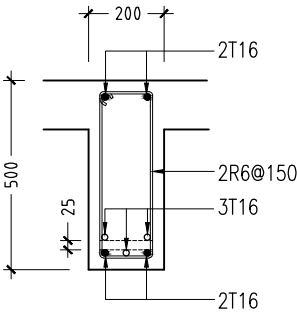
FOOTING DETAILS

FOUNDATION BEAM DETAILS

LINTEL/SILL BEAM DETAILS



COLUMN DETAILS



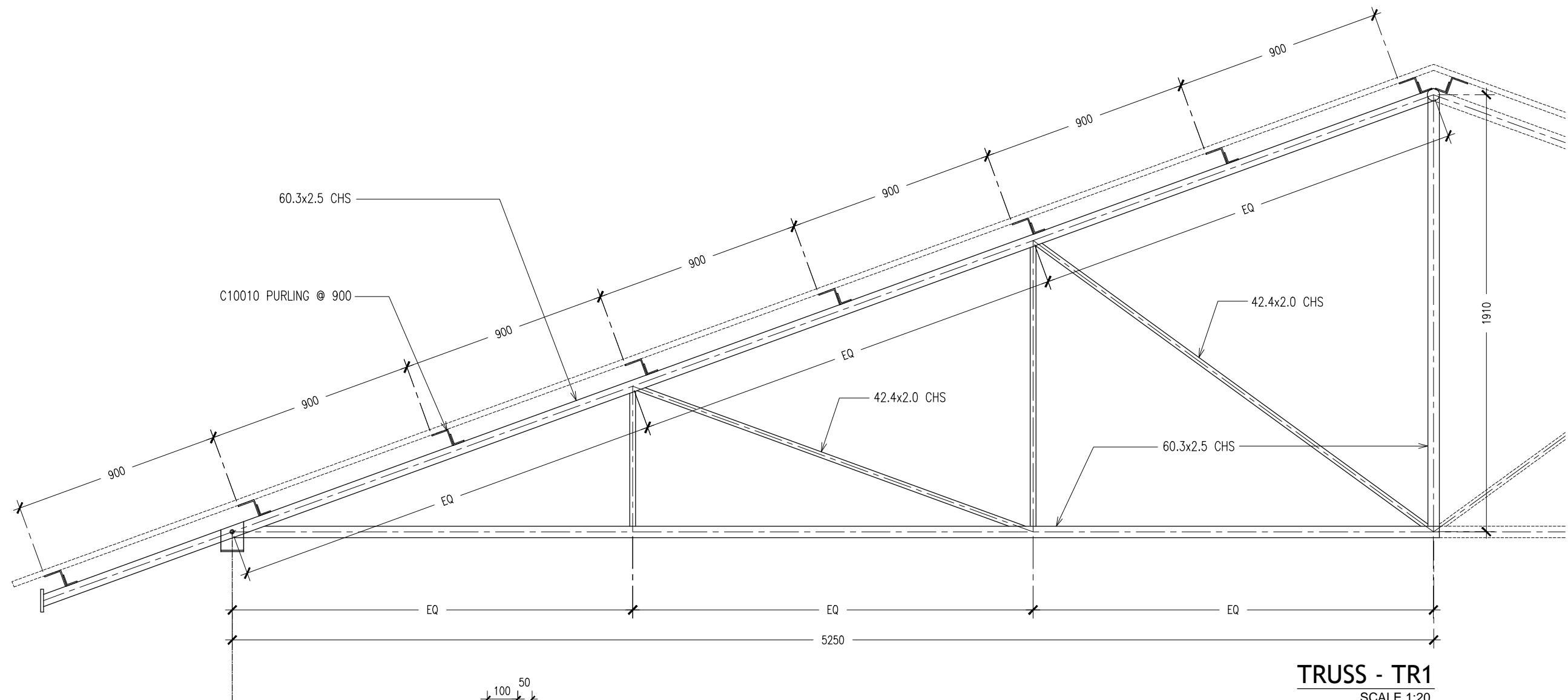
RC BEAM DETAILS

- NOTE :
- COVER TO BEAMS : 35MM
  - COVER TO COLUMNS : 40MM
  - CONCRETE MIX : 1:2:3 UNLESS STATED
  - ADD CONMIX MEGA FLOW P TO ALL SUPER STRUCTURE CONCRETE.

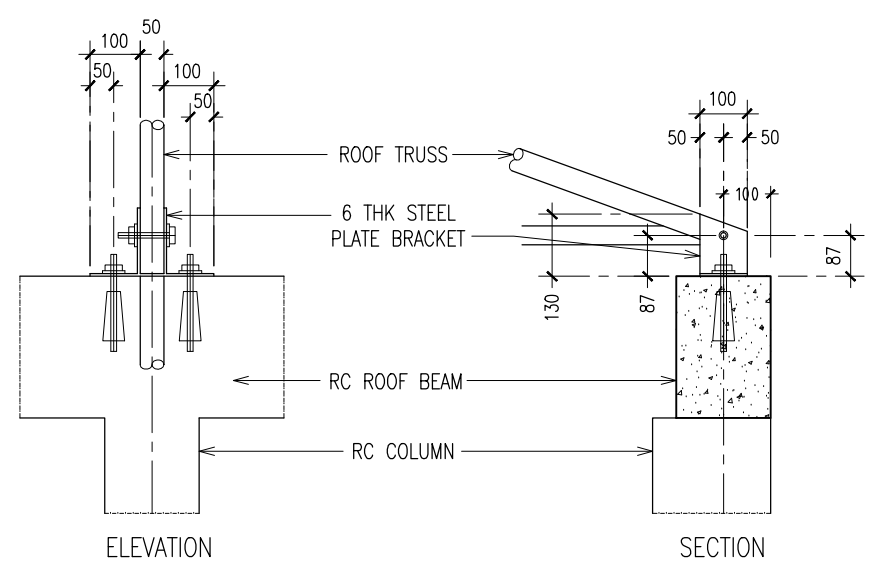
CONTRACTORS MUST CHECK ALL DIMENSIONS ON SITE BEFORE STARTING ANY WORK OR SHOP DRAWINGS. FIGURED DIMENSIONS TO TAKE PRECEDENCE OVER SCALE READINGS



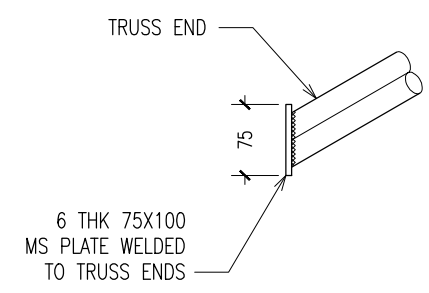
REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: PROPOSED 06 CLASS ROOM BLOCK ( 03 STOREY )	S-08
	ENGINEER: MOHAMED AHSAN	LOCATION: DH. KUDAHUVADHOO	
	SERVICES ENG:	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: ASFAN AHMED	SCALE: AS GIVEN    DIMENSION: MM    DATE: MAY 2015	
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.: 14-124



**TRUSS - TR1**  
SCALE 1:20



**TYPICAL TRUSS FIXING DETAILS**  
SCALE : NTS



**TYPICAL TRUSS END DETAILS**  
SCALE : NTS



# **PROPOSED 09 CLASS ROOM BLOCK AT DH. KUDAHUVADHOO**

**( 3 STOREY )**

**ENHANCING EDUCATION DEVELOPMENT PROJECT (EEDP)**

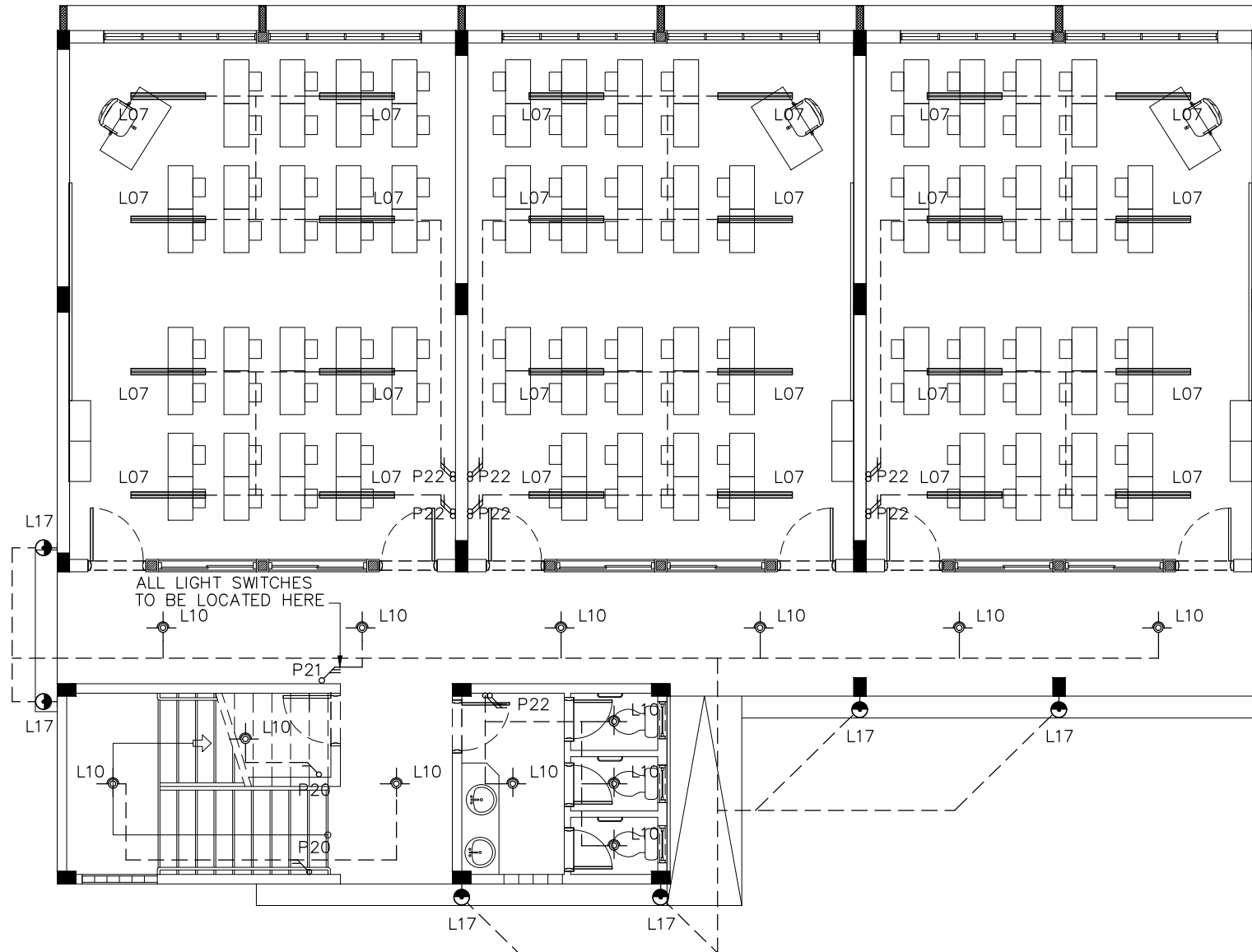
## **ELECTRICAL DRAWINGS**

MAY 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



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

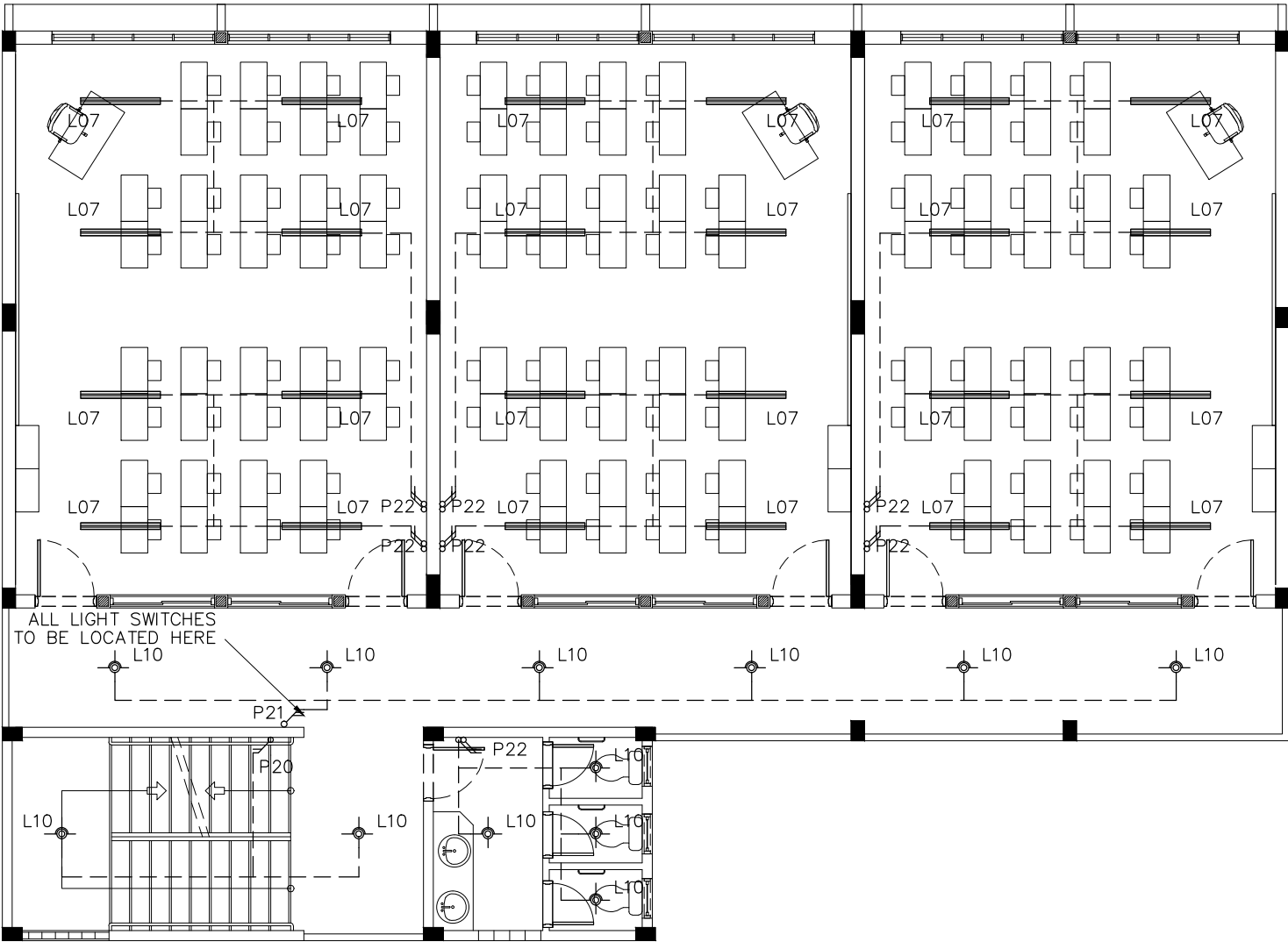
	P20	2GANG 1 WAY SWITCH
	P21	3GANG 1 WAY SWITCH
	P22	4GANG 1 WAY SWITCH

GROUND FLOOR LIGHTING 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: PROPOSED 06 CLASS ROOM BLOCK ( 03 STOREY )	E-01
	ENGINEER: MOHAMED AHSAN	LOCATION: DH. KUDAHUVADHOO	
	SERVICES ENG:	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: ASFAN AHMED	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.: 14-124



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

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

1ST-2ND FLOOR LIGHTING LAYOUT

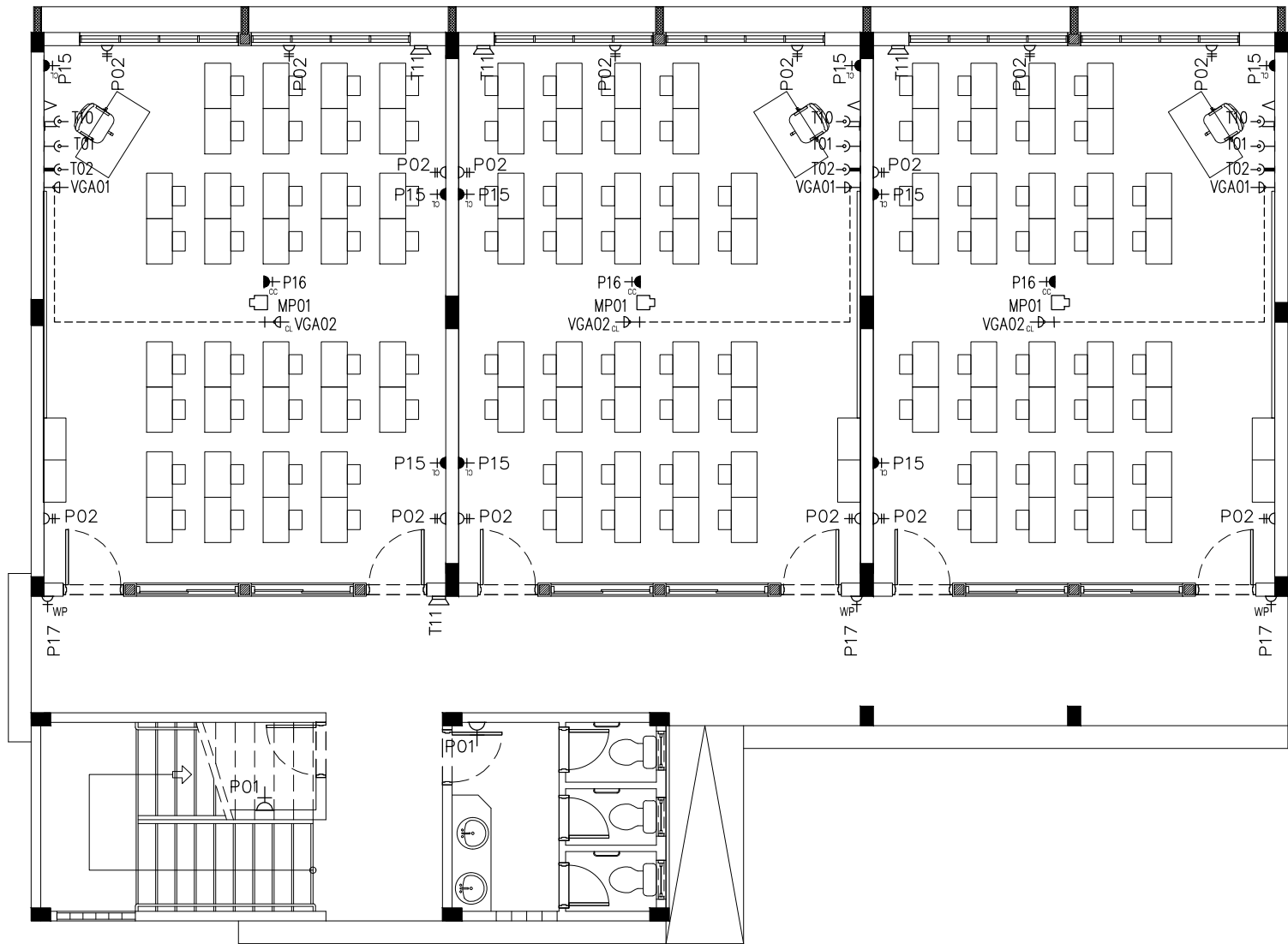
PLAN

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: PROPOSED 06 CLASS ROOM BLOCK ( 03 STOREY )	E-02
	ENGINEER: MOHAMED AHSAN	LOCATION: DH. KUDAHUVADHOO	
	SERVICES ENG:	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: ASFAN AHMED	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.: 14-124



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
	P17	1 GANG13A SOCKET OUTLET AT 300mm ABOVE FINISHED FLOOR LEVEL (WEATHER PROOF)
	VGA01	VGA CABLE

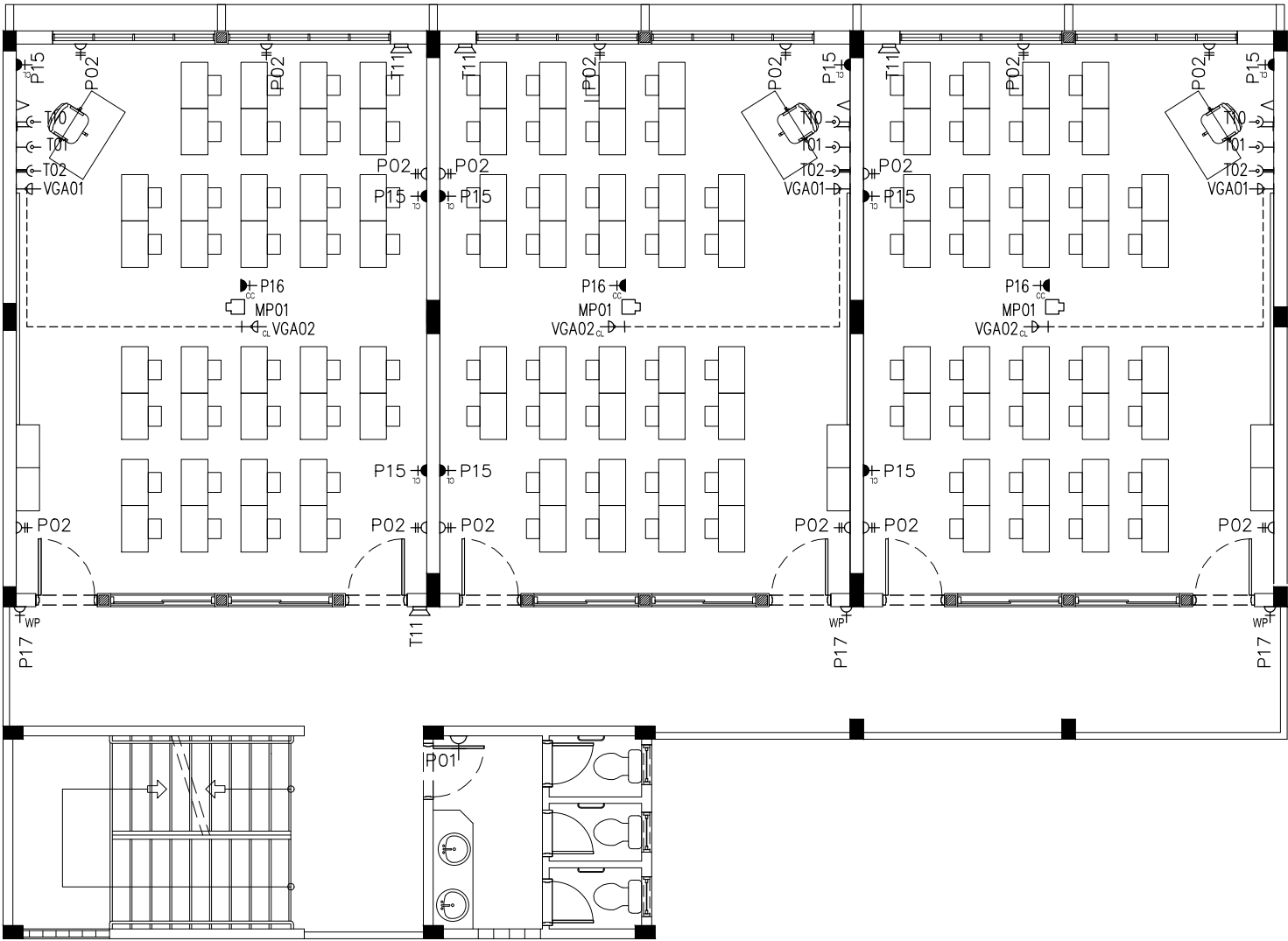
	VGA02	VGA CABLE AT CEILING LEVEL
	T01	PLAIN TELEPHONE OUTLET
	T02	COMPUTER NETWORK OUTLET
	MP01	MULTIMEDIA PROJECTOR
	T10	T.V. POINT
	T11	SPEAKER

GROUND FLOOR POWER SOCKET 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: PROPOSED 06 CLASS ROOM BLOCK ( 03 STOREY )	E-03
	ENGINEER: MOHAMED AHSAN	LOCATION: DH. KUDAHUVADHOO	
	SERVICES ENG:	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: ASFAN AHMED	SCALE: AS GIVEN	
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.: 14-124



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

1ST-2ND FLOOR POWER SOCKET LAYOUT PLAN

SCALE 1:100

CONTRACTORS MUST  
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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: ASFAN AHMED

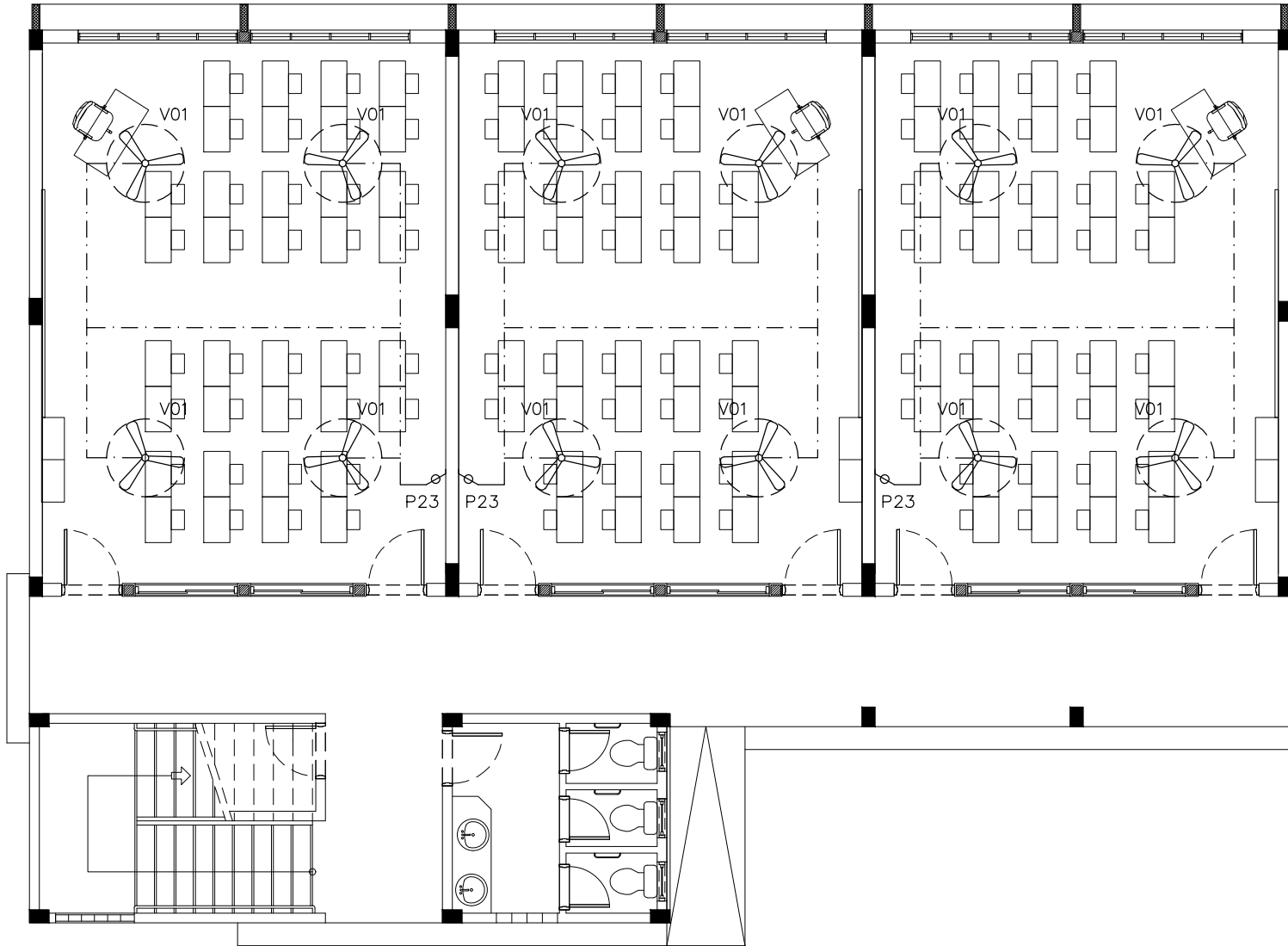
PROJECT: PROPOSED 06 CLASS ROOM BLOCK ( 03 STOREY )  
LOCATION: DH. KUDAHUVADHOO  
DRAWING TITLE: AS GIVEN  
CLIENT: MINISTRY OF EDUCATION  
SCALE: AS GIVEN  
DIMENSION: MM  
DATE: MAY 2015

E-04

DWG NO

PROJECT NO.: 14-124

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



LEGEND

	P23	FAN / LIGHT DIMMER SWITCH
	V01b	DIA. 1200 CEILING FAN

GROUND FLOOR FAN 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:

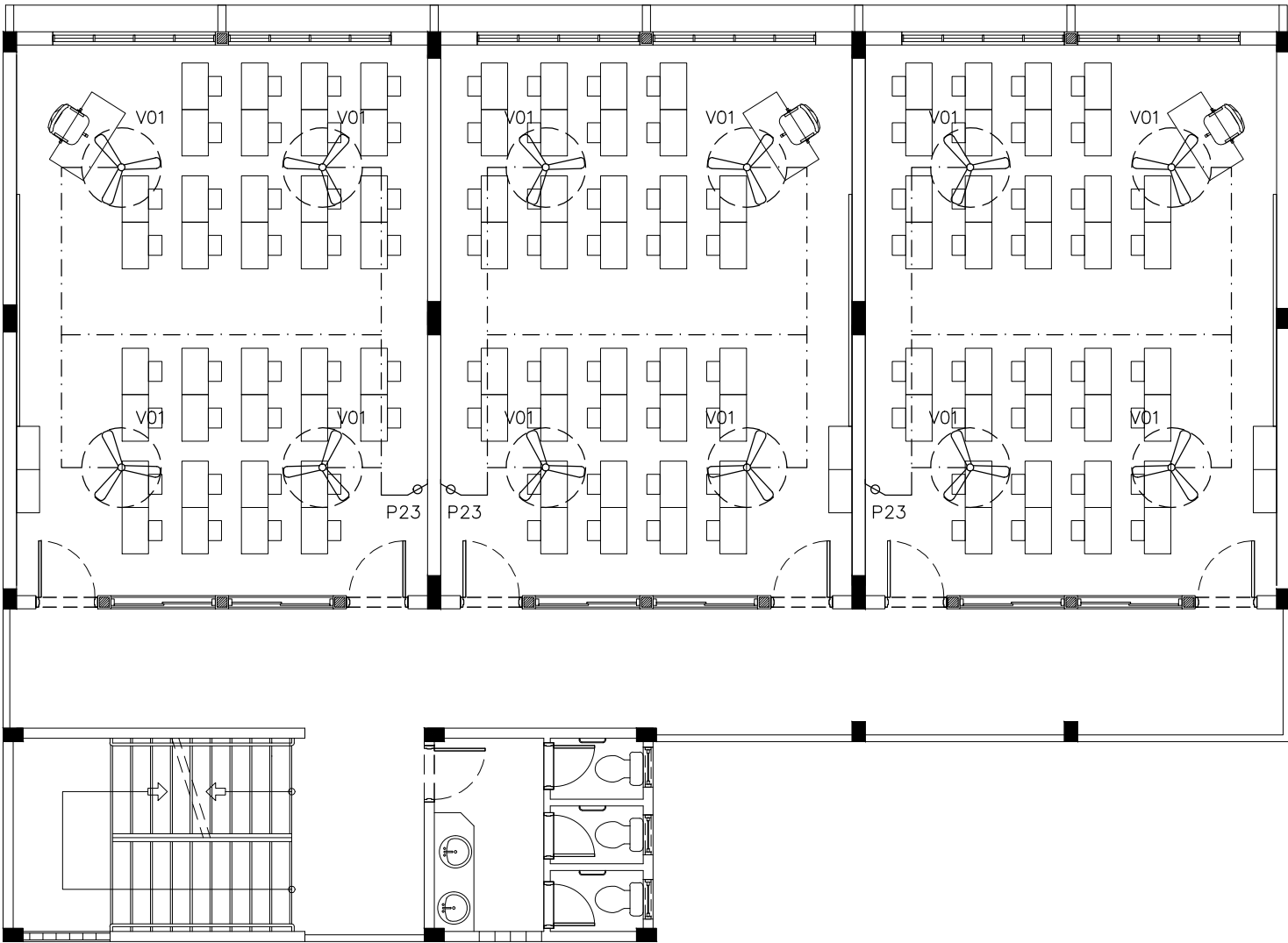

ARCHITECT:	MOHAMED HAMEEN
ENGINEER:	MOHAMED AHSAN
SERVICES ENG:	
ESTIMATOR:	
DRAWN BY:	ASFAN AHMED

PROJECT:	PROPOSED 06 CLASS ROOM BLOCK ( 03 STOREY )		
LOCATION:	DH. KUDAHUVADHOO		
DRAWING TITLE:	AS GIVEN		
CLIENT:	MINISTRY OF EDUCATION		
SCALE:	AS GIVEN	DIMENSION:	MM
		DATE:	MAY 2015

E-05  
DWG NO

PROJECT NO.: 14-124

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



LEGEND

	P23	FAN / LIGHT DIMMER SWITCH
	V01b	DIA. 1200 CEILING FAN

1ST -2ND FLOOR FAN 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:	ASFAN AHMED

PROJECT:	PROPOSED 06 CLASS ROOM BLOCK ( 03 STOREY )		
LOCATION:	DH. KUDAHUVADHOO		
DRAWING TITLE:	AS GIVEN		
CLIENT:	MINISTRY OF EDUCATION		
SCALE:	AS GIVEN	DIMENSION:	MM
		DATE:	MAY 2015

E-06
DWG NO
PROJECT NO.: 14-124

# **PROPOSED 09 CLASS ROOM BLOCK AT DH. KUDAHUVADHOO**

**( 3 STOREY )**

**ENHANCING EDUCATION DEVELOPMENT PROJECT (EEDP)**

## **PLUMBING DRAWINGS**

MAY 2015

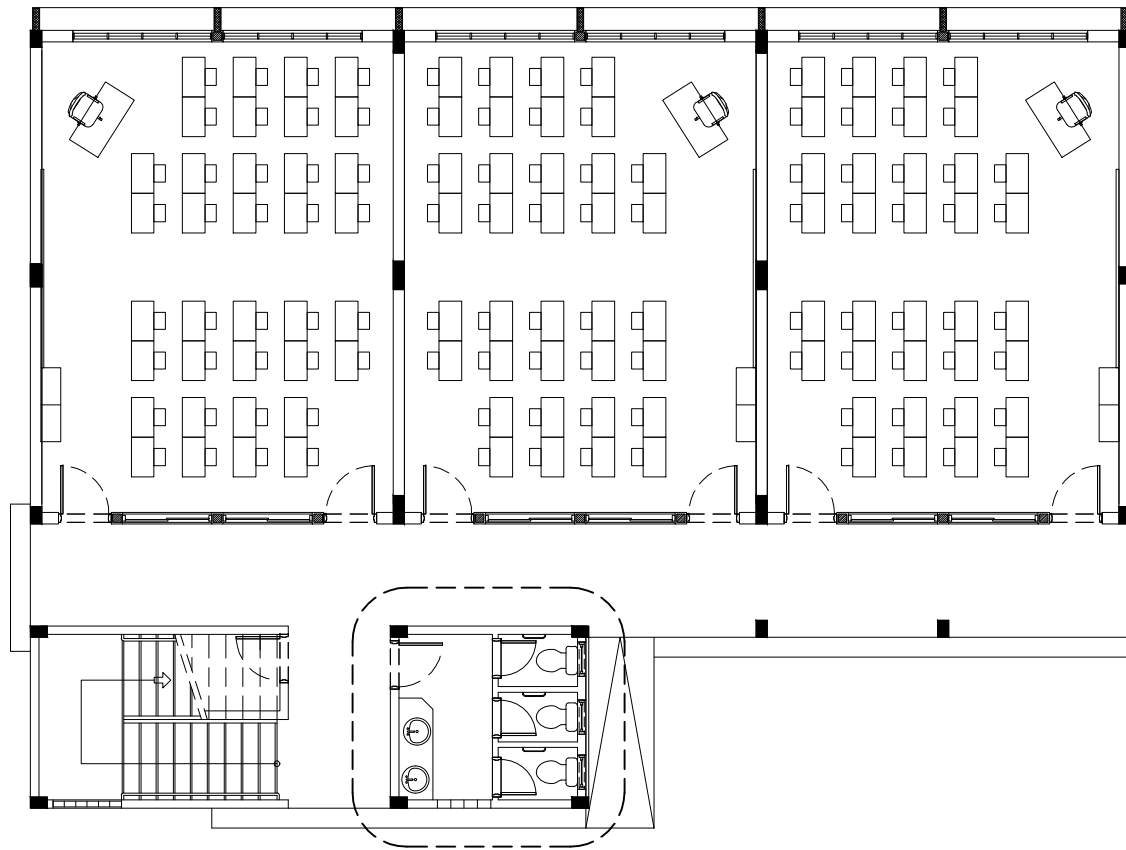
CLIENT : MINISTRY OF EDUCATION

DESIGN BY

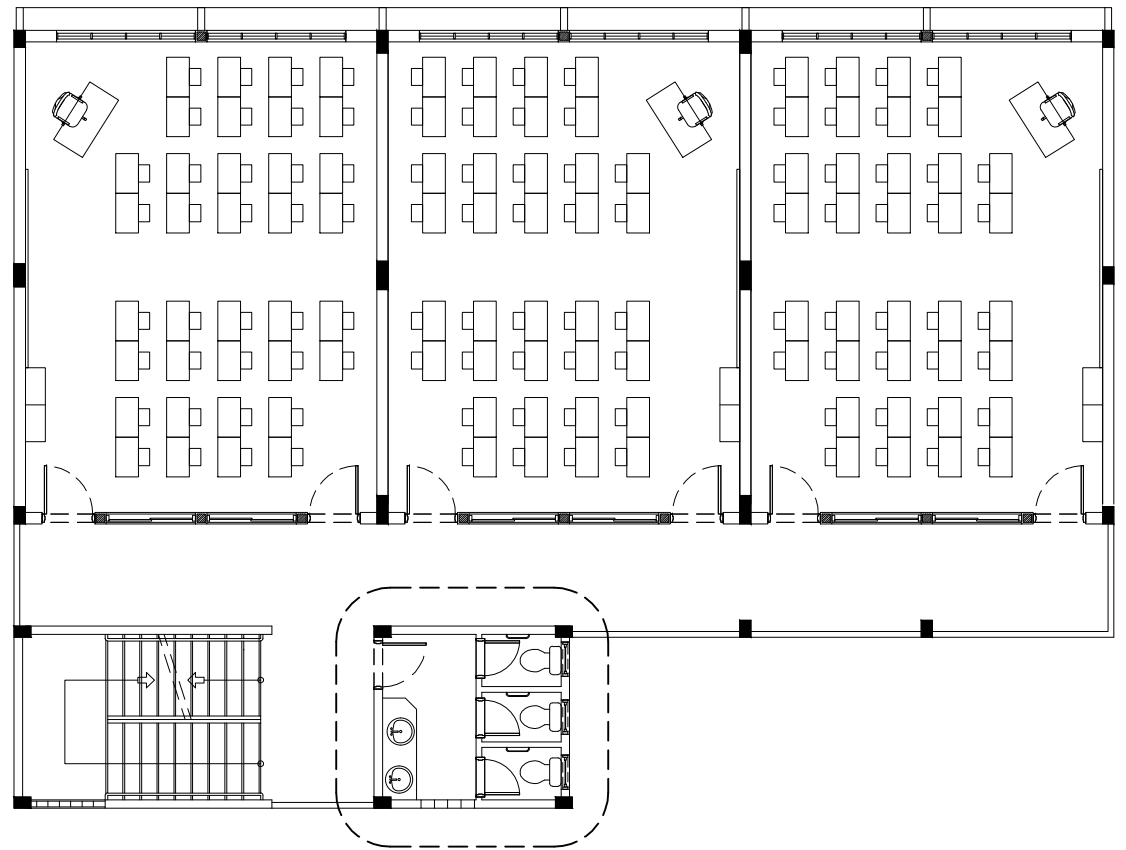
**ArchEng**  
**s t u d i o**

Ma Fiyajahaage, 1st floor, Male'. Republic of Maldives  
admin@archeng.biz





GRD FLOOR PLUMBING KEY PLAN  
SCALE : NTS

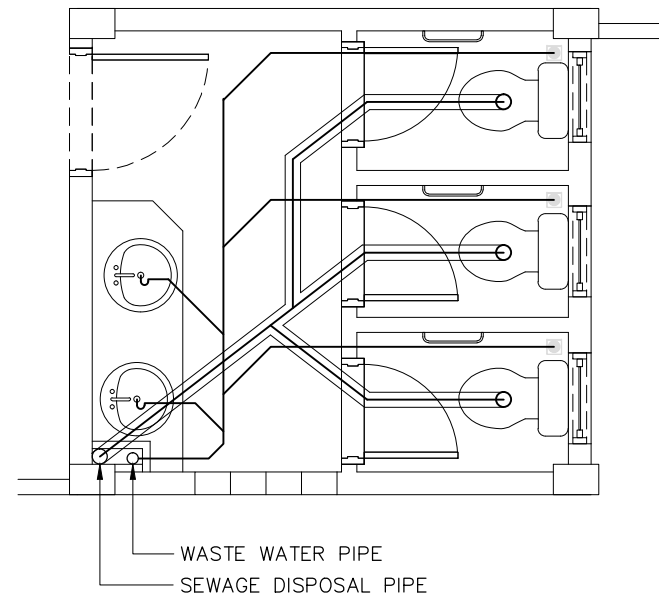


1ST -2ND FLOOR PLUMBING KEY PLAN  
SCALE : NTS

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

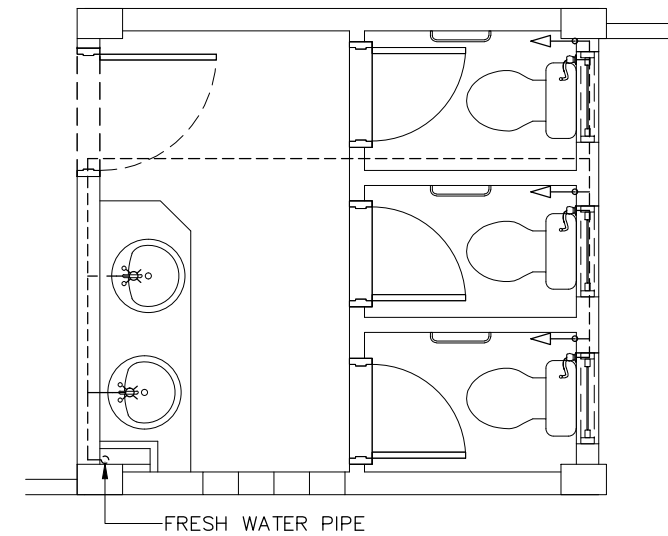


REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: PROPOSED 06 CLASS ROOM BLOCK ( 03 STOREY )	P-01
	ENGINEER: MOHAMED AHSAN	LOCATION: DH. KUDAHUVADHOO	
	SERVICES ENG:	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: ASFAN AHMED	SCALE: AS GIVEN	
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			PROJECT NO.: 14-124



TYPICAL SEWAGE AND WASTE  
DISPOSAL PLAN (TOILET TYPE 2)

SCALE 1:50



TYPICAL FRESH WATER SUPPLY  
PLAN (TOILET TYPE 2 )

SCALE 1:50

LEGEND

SYMBOL	DESCRIPTION
	TAP
	MUSLIM SHOWER
	MWSC WATER SUPPLY (ø12–ø35)
	FLOOR DRAIN
	UPVC HIGH PRESSURE WASTE WATER PIPE (ø75–ø100)
	SEWAGE DISPOSAL (ø100)
	INSPECTION CHAMBER

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: PROPOSED 06 CLASS ROOM BLOCK ( 03 STOREY )	P-02
	ENGINEER: MOHAMED AHSAN	LOCATION: DH. KUDAHUVADHOO	
	SERVICES ENG:	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: ASFAN AHMED	SCALE: AS GIVEN	DWG NO
		DIMENSION: MM	PROJECT NO.: 14-124
		DATE: MAY 2015	
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# **PROPOSED 09 CLASS ROOM BLOCK AT DH. KUDAHUVADHOO**

**( 3 STOREY )**

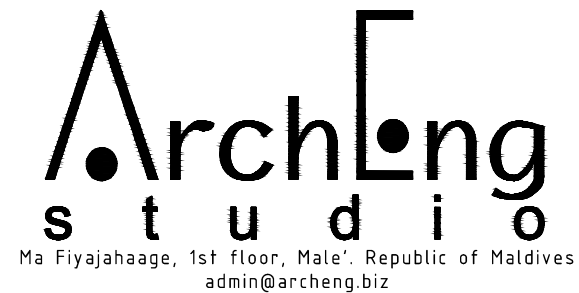
**ENHANCING EDUCATION DEVELOPMENT PROJECT (EEDP)**

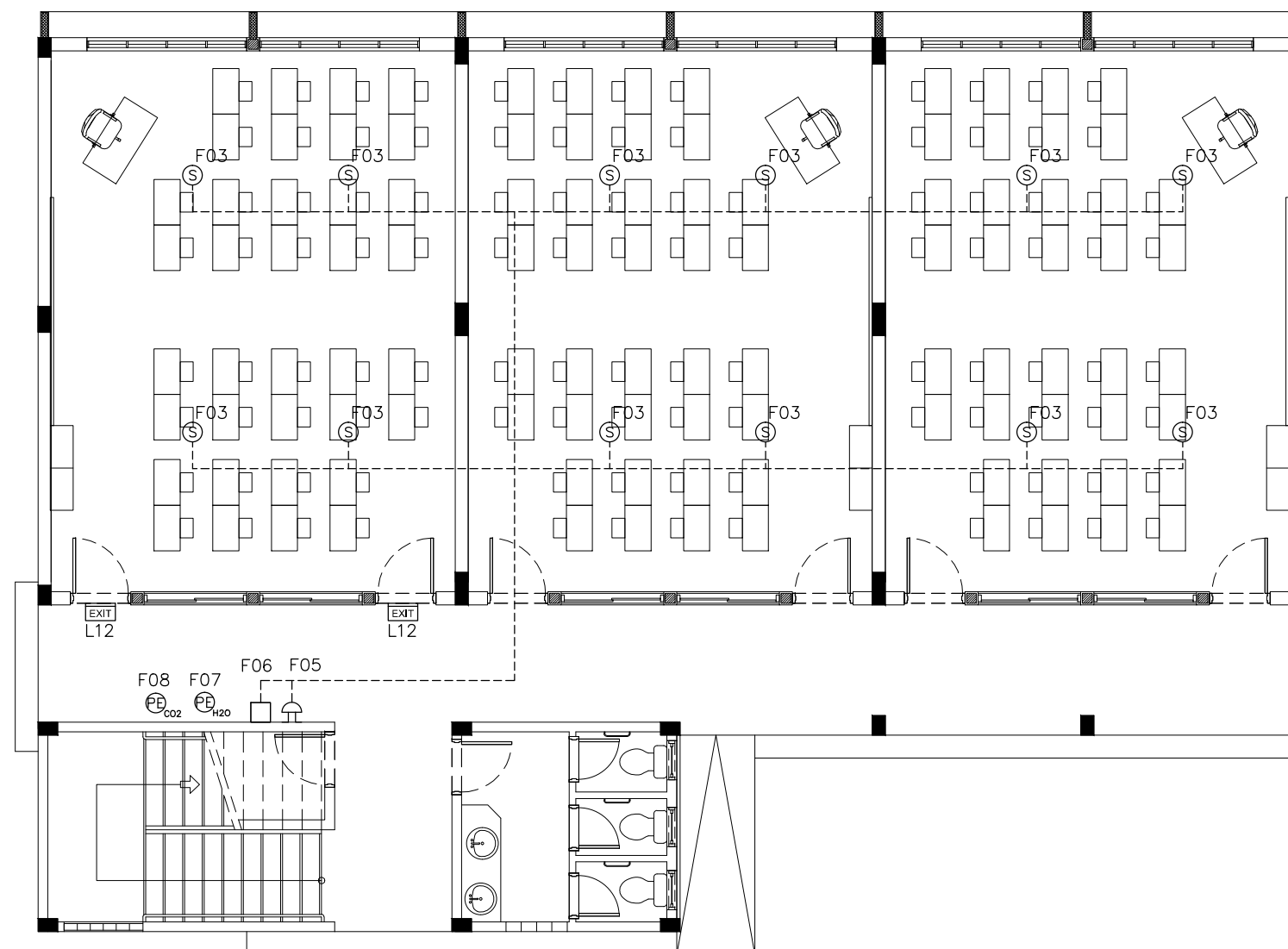
## **FIRE SAFETY DRAWINGS**

MAY 2015

CLIENT : MINISTRY OF EDUCATION

DESIGN BY





LEGEND

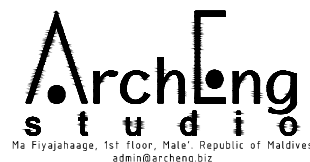
SYMBOL	CODE	DESCRIPTION
	F00	FIRE BLANKET
	F02	BREAK GLASS MANUAL CALL POINT
	F03	SMOKE DETECTOR
	F05	FIRE ALARM BELL
	F07	PORTABLE EXTINGUISHER (H2O)
	F08	PORTABLE EXTINGUISHER (CO2)
	F12	EXIT SIGN

NOTE: ALL FIRE RESISTANT CABLES SHALL BE ENCLOSED IN PVC CONDUITE

## GROUND FLOOR FIRE SAFETY 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:	ASFAN AHMED

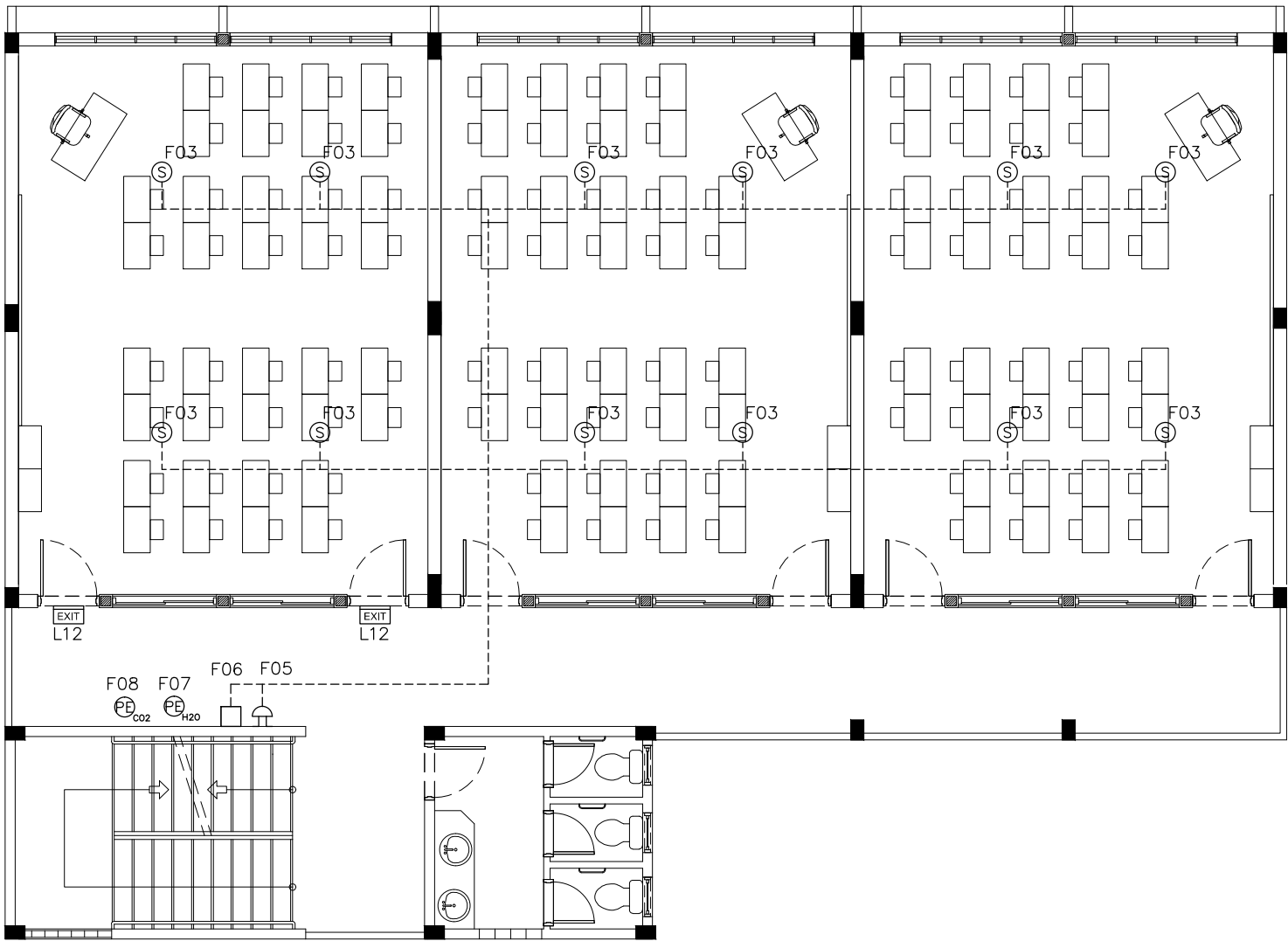
PROJECT:	PROPOSED 06 CLASS ROOM BLOCK ( 03 STOREY )		
LOCATION:	DH. KUDAHUVADHOO		
DRAWING TITLE:	AS GIVEN		
CLIENT:	MINISTRY OF EDUCATION		
SCALE:	AS GIVEN	DIMENSION: MM	DATE: MAY 2015

F-01

DWG NO

PROJECT NO.: 14-124

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LEGEND

SYMBOL	CODE	DESCRIPTION
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	F02	BREAK GLASS MANUAL CALL POINT
	F03	SMOKE DETECTOR
	F05	FIRE ALARM BELL
	F07	PORTABLE EXTINGUISHER (H2O)
	F08	PORTABLE EXTINGUISHER (CO2)
	F12	EXIT SIGN

NOTE: ALL FIRE RESISTANT CABLES SHALL BE ENCLOSED IN PVC CONDUITE

1ST-2ND FLOOR FIRE SAFETY LAYOUT  
PLAN  
SCALE 1:100

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



REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: PROPOSED 06 CLASS ROOM BLOCK ( 03 STOREY )	F-02 DWG NO PROJECT NO.: 14-124
	ENGINEER: MOHAMED AHSAN	LOCATION: DH. KUDAHUVADHOO	
	SERVICES ENG:	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: ASFAN AHMED	SCALE: AS GIVEN    DIMENSION: MM    DATE: MAY 2015	
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