

**PROPOSED 09 CLASS ROOM BLOCK AT
HDH.VAIKARADHOO
HDH. ATOLL SCHOOL
(3 STOREY)**

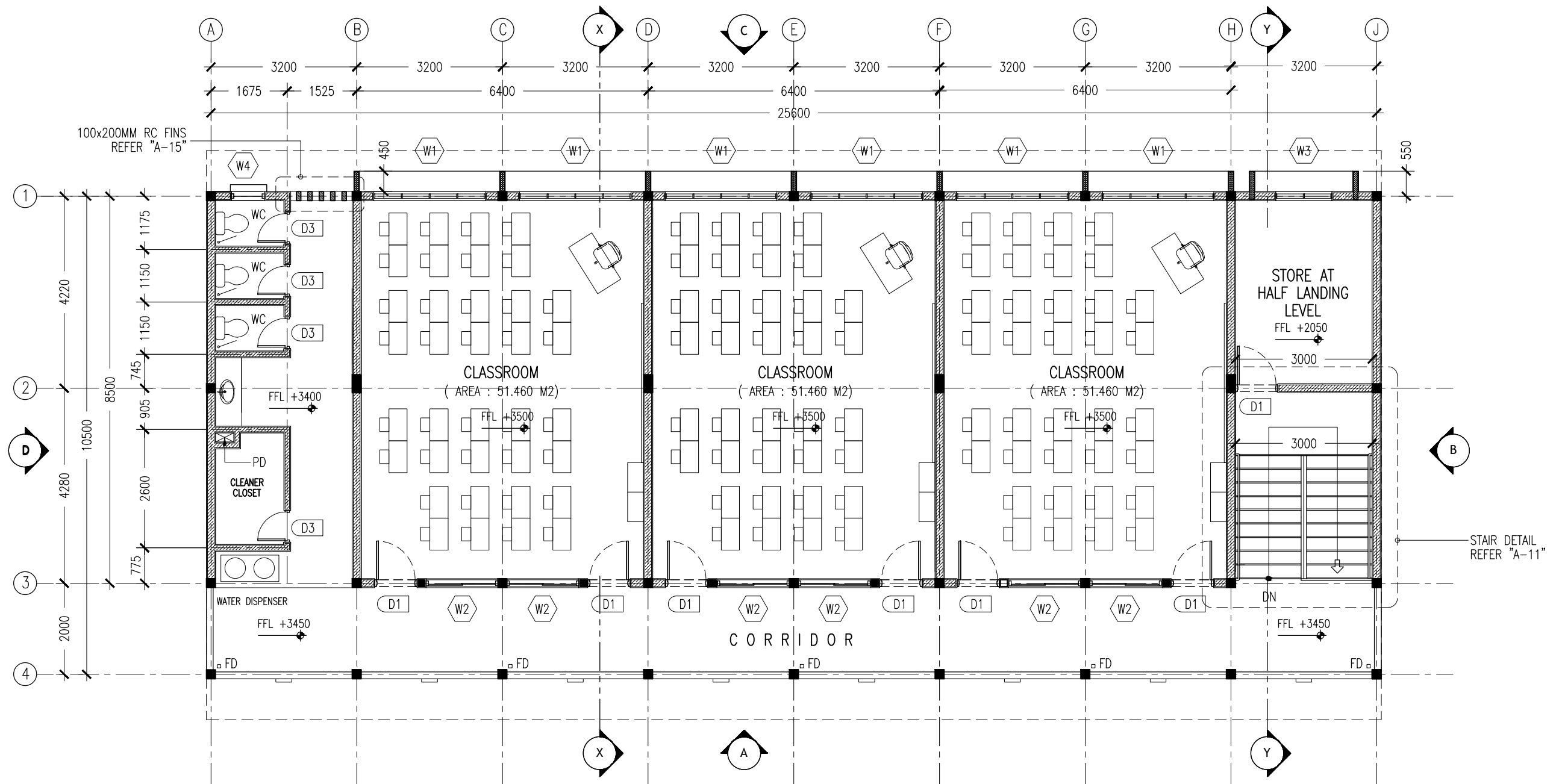
ARCHITECTURAL AND STRUCTURAL DRAWINGS

FEBRUARY 2016

CLIENT : MINISTRY OF EDUCATION

DESIGN BY

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



KEY /LEGEND NOTES

	BLOCK MASONRY WALL
	150MM THK RC WALL 850MM HIGH

FD : FLOOR DRAIN

1ST/2ND FLOOR 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

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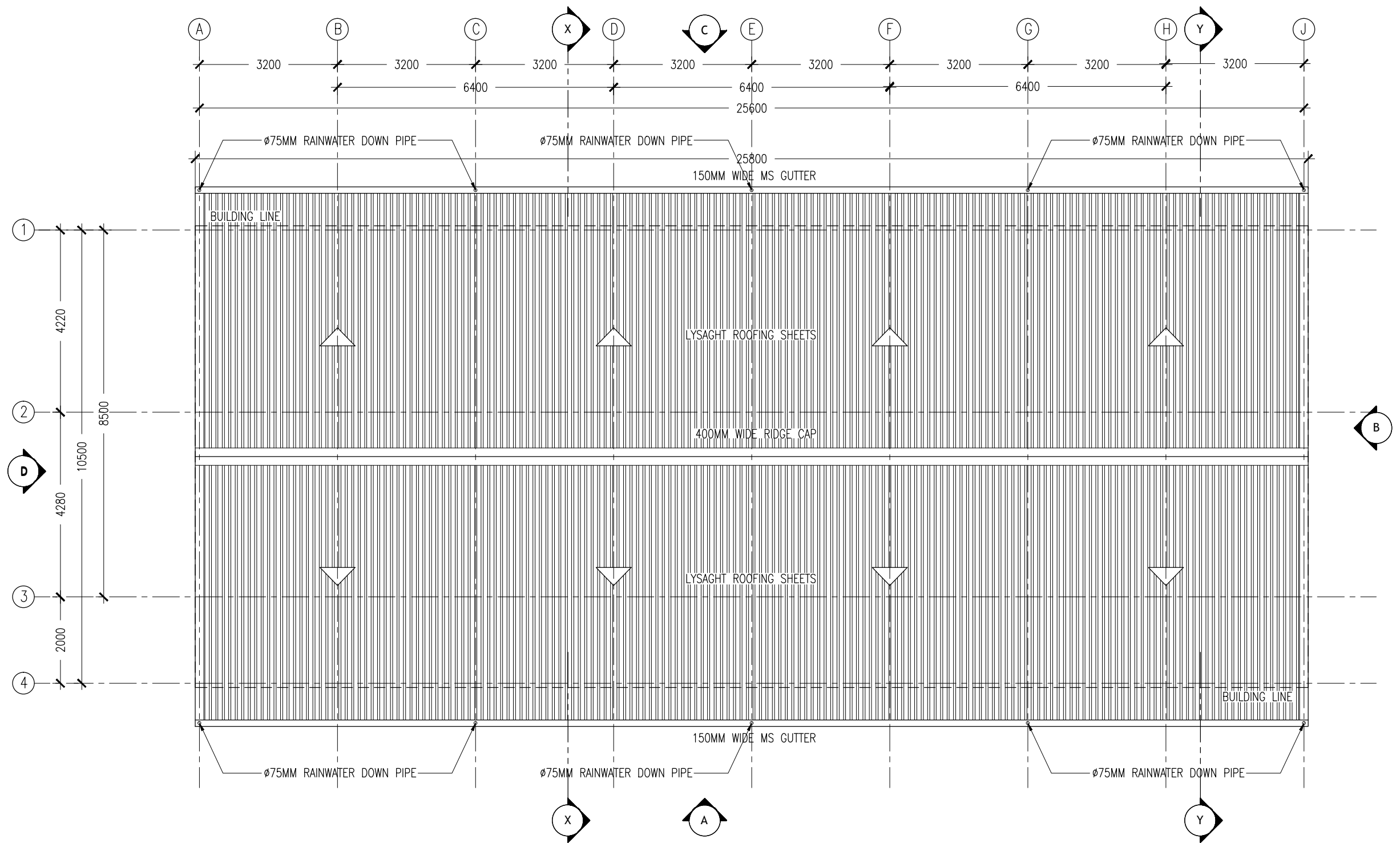
REVISION:

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

PROJECT: PROPOSED 9 CLASS ROOM BLOCK
LOCATION: HDH. VAIKARADHOO, HDH ATOLL SCHOOL
DRAWING TITLE: AS GIVEN
CLIENT: MINISTRY OF EDUCATION
SCALE: AS GIVEN DIMENSION: MM DATE: FEBRUARY 2016

A-02
DWG NO
PROJECT NO.: 15-041

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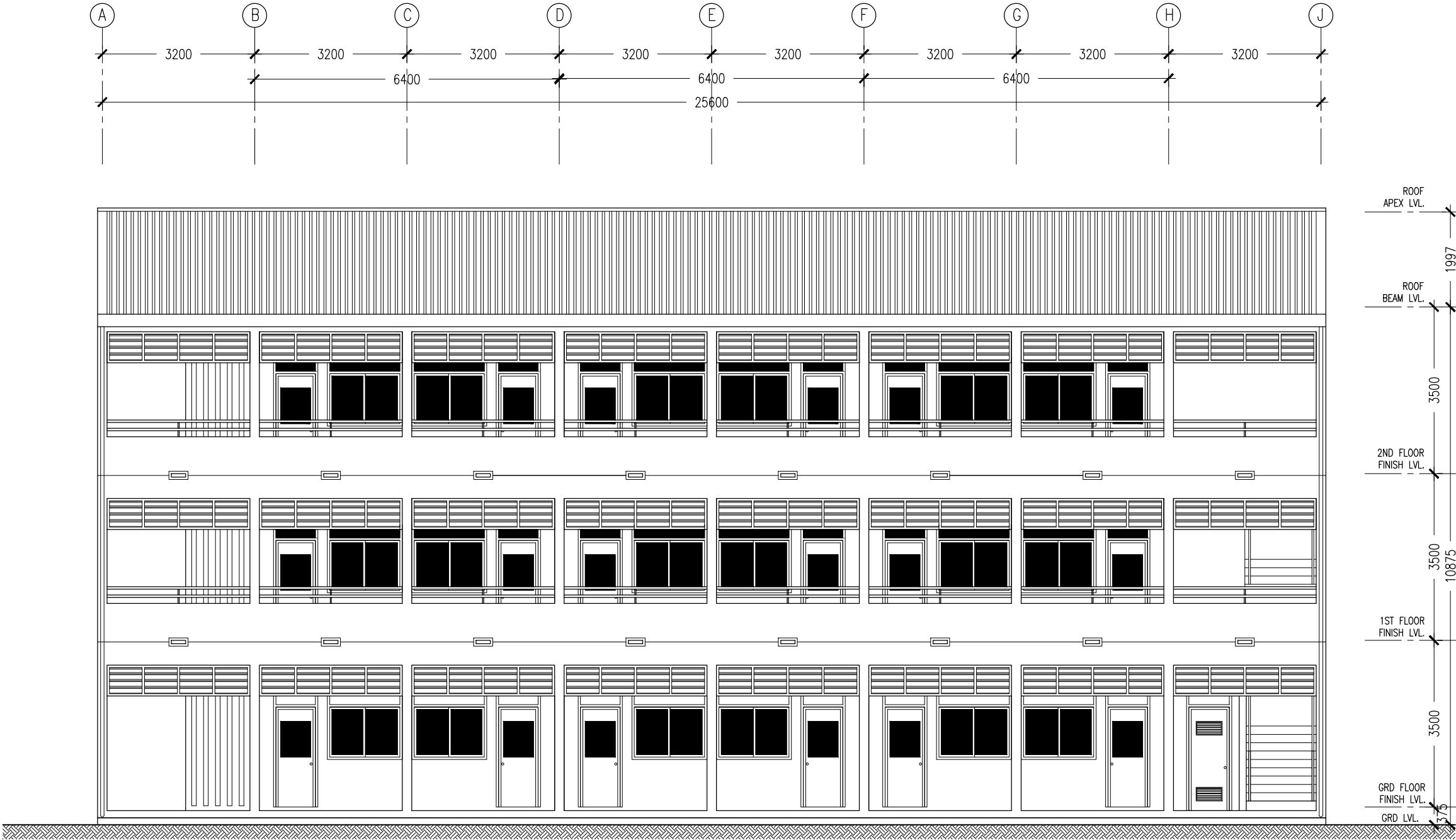
ROOF LAYOUT PLAN
SCALE 1:100

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REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: PROPOSED 9 CLASS ROOM BLOCK	A-03
	ENGINEER: MOHAMED AHSAN	LOCATION: HDH. VAIKARADHOO, HDH ATOLL SCHOOL	
	SERVICES ENG:	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: ASFAN AHMED	SCALE: AS GIVEN	
		DIMENSION: MM	DWG NO
		DATE: FEBRUARY 2016	PROJECT NO.: 15-041

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ELEVATION - A
SCALE 1:100

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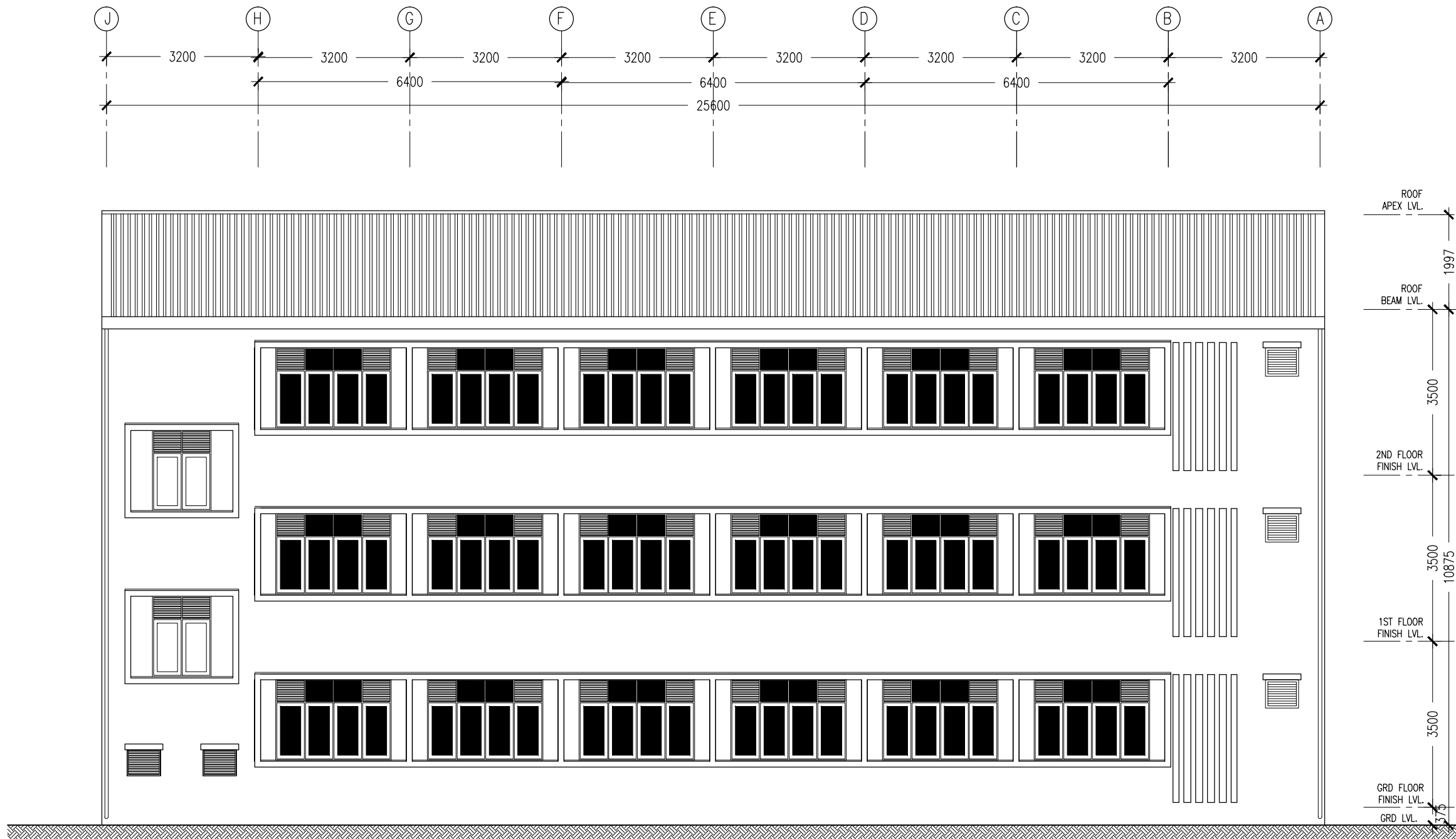
ARCHITECT: MOHAMED HAMEEN
ENGINEER: MOHAMED AHSAN
SERVICES ENG:
ESTIMATOR:
DRAWN BY: ASFAN AHMED

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A-04

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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

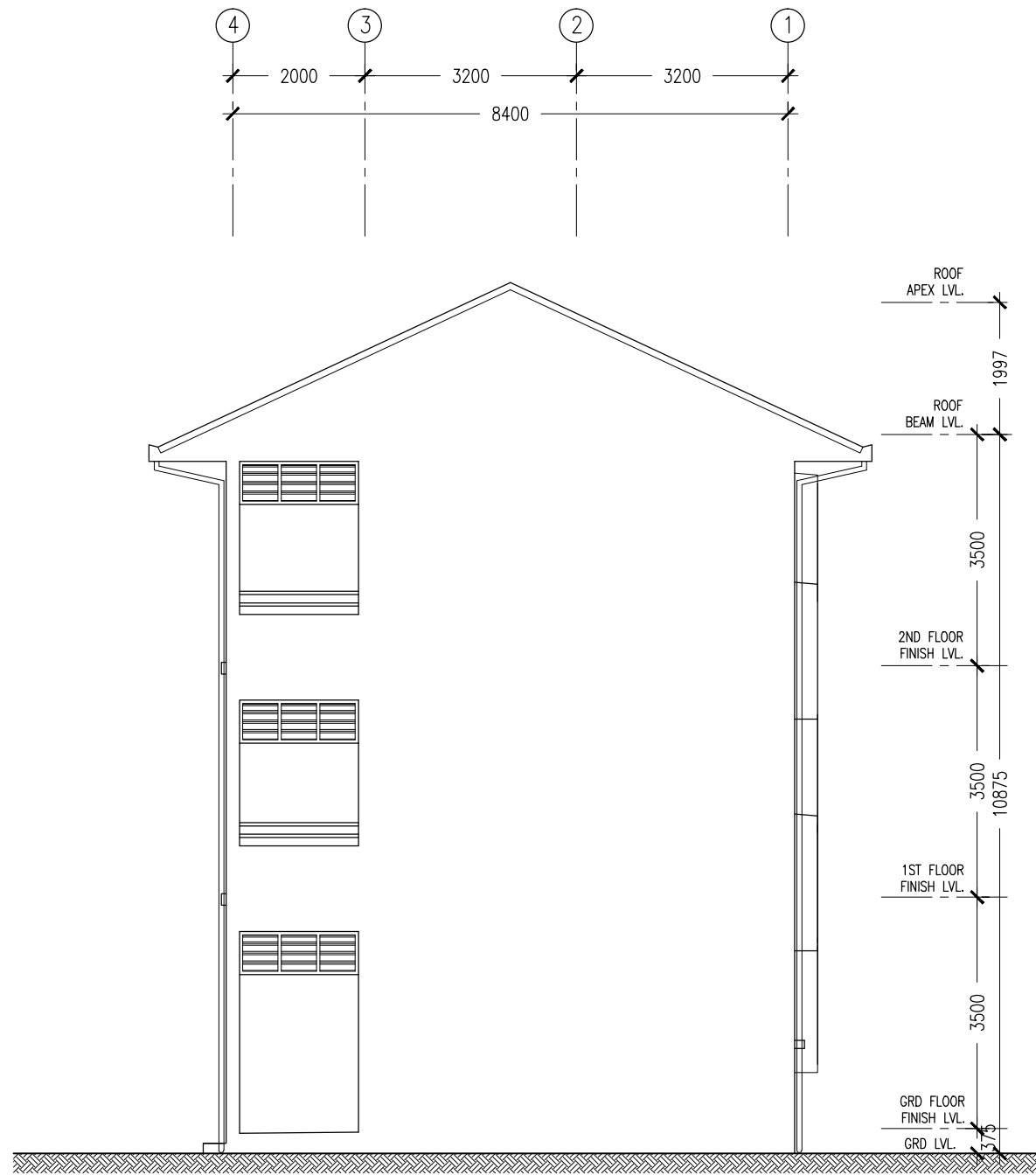
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SCALE: AS GIVEN
DIMENSION: MM
DATE: FEBRUARY 2016

A-05

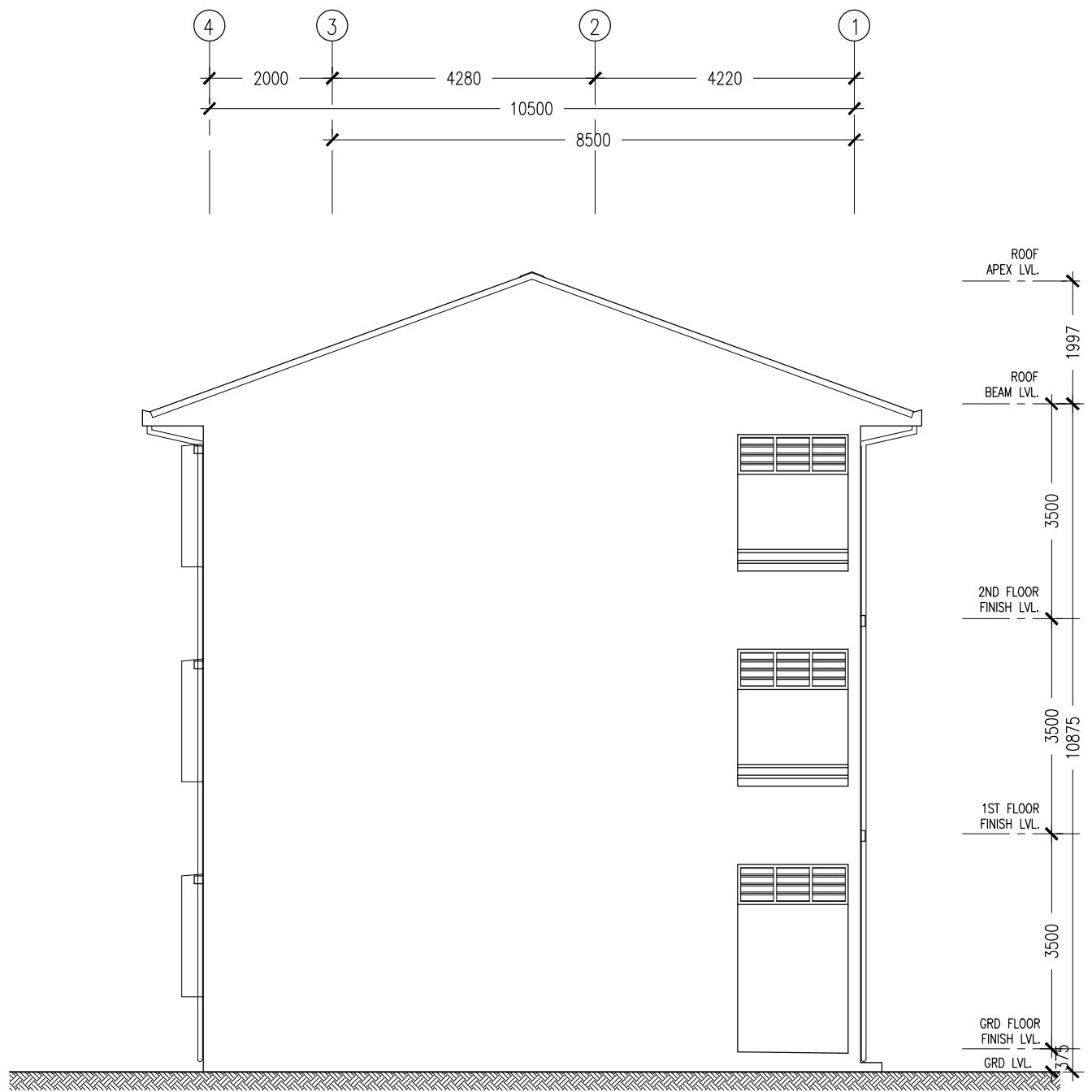
DWG NO

PROJECT NO.: 15-041

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ELEVATION - C
SCALE 1:100

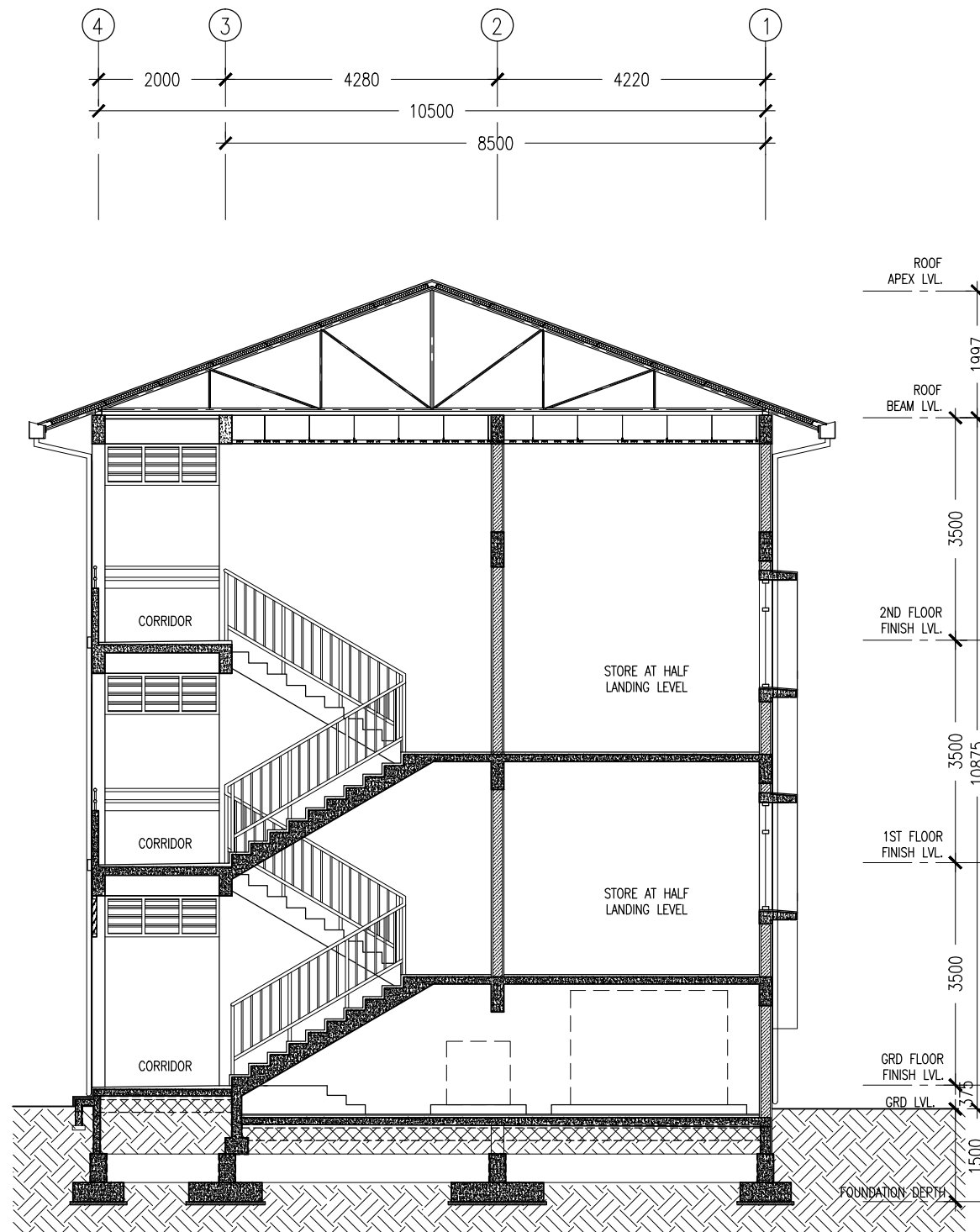


ELEVATION - D
SCALE 1:100

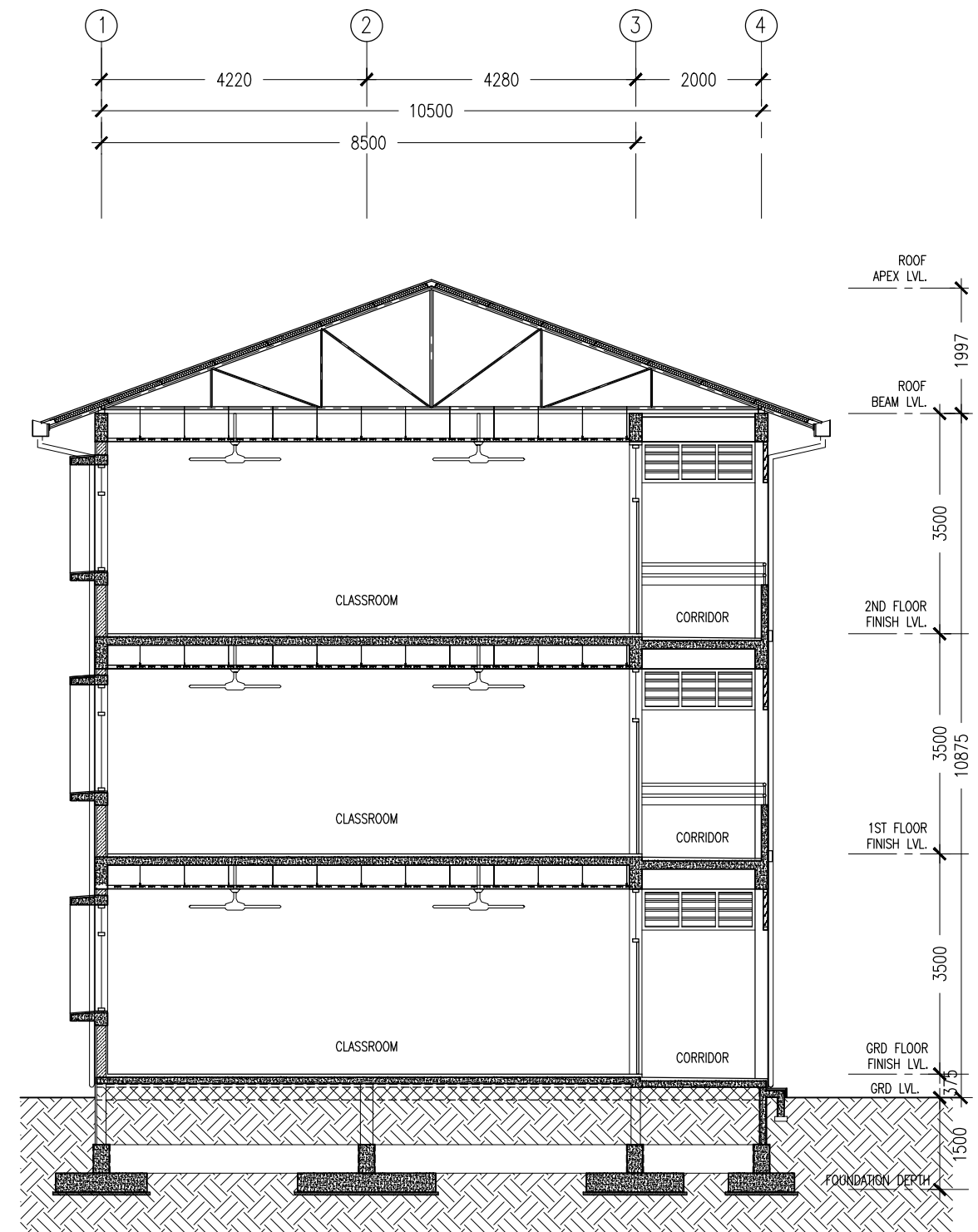
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REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: PROPOSED 9 CLASS ROOM BLOCK	A-06
	ENGINEER: MOHAMED AHSAN	LOCATION: HDH. VAIKARADHOO, HDH ATOLL SCHOOL	
	SERVICES ENG:	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: ASFAN AHMED	SCALE: AS GIVEN DIMENSION: MM DATE: FEBRUARY 2016	
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			DWG NO
			PROJECT NO.: 15-041



SECTION X-X
SCALE 1:100

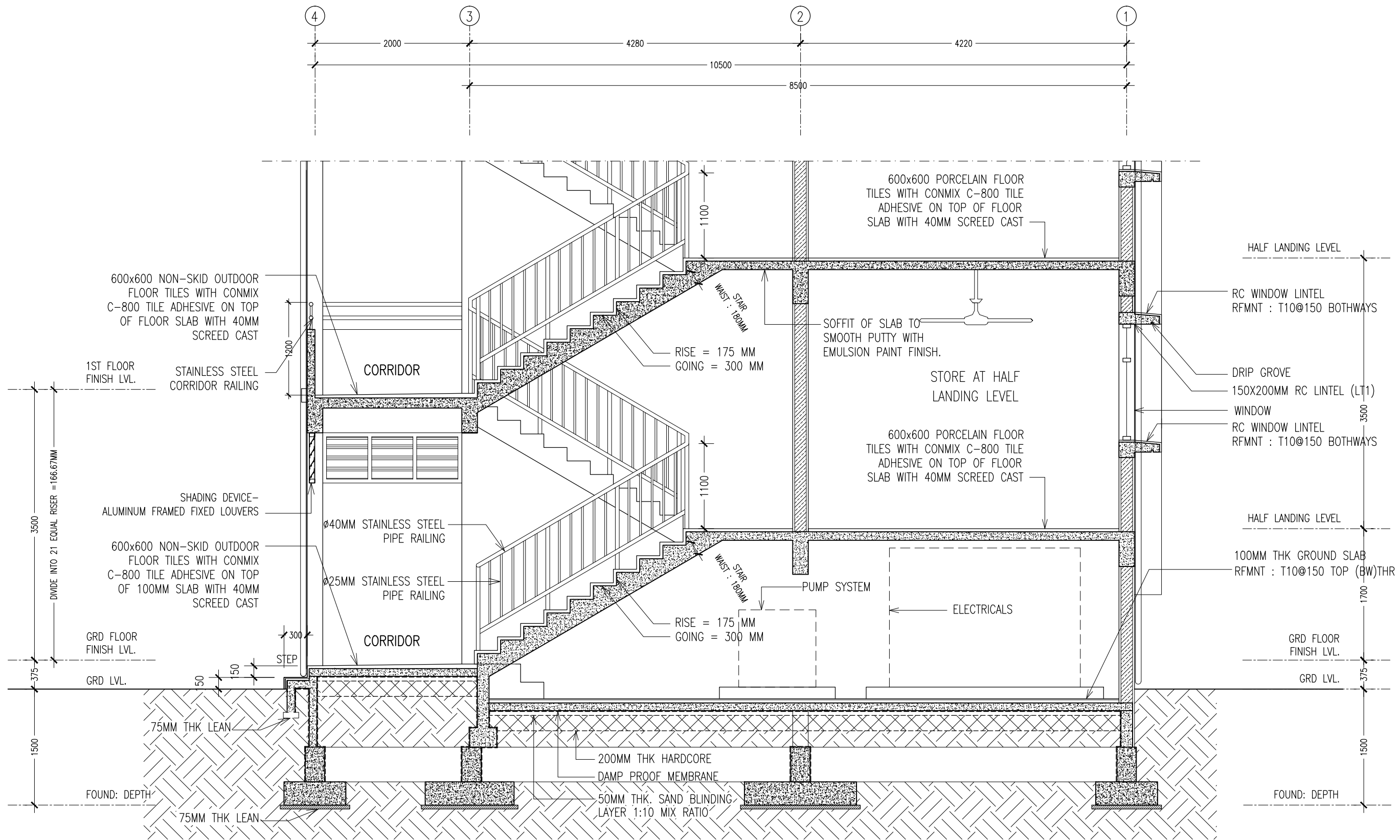


SECTION Y-Y
SCALE 1:100

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REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: PROPOSED 9 CLASS ROOM BLOCK	A-07
	ENGINEER: MOHAMED AHSAN	LOCATION: HDH. VAIKARADHOO, HDH ATOLL SCHOOL	
	SERVICES ENG:	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: ASFAN AHMED	SCALE: AS GIVEN DIMENSION: MM DATE: FEBRUARY 2016	
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			PROJECT NO.: 15-041



NOTE :

USE CONMIX MEGA ADD WL3
CONCRETE ADMIXTURE ON ALL
FOUNDATION CONCRETE

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

SECTION DETAIL X-X SCALE 1:50

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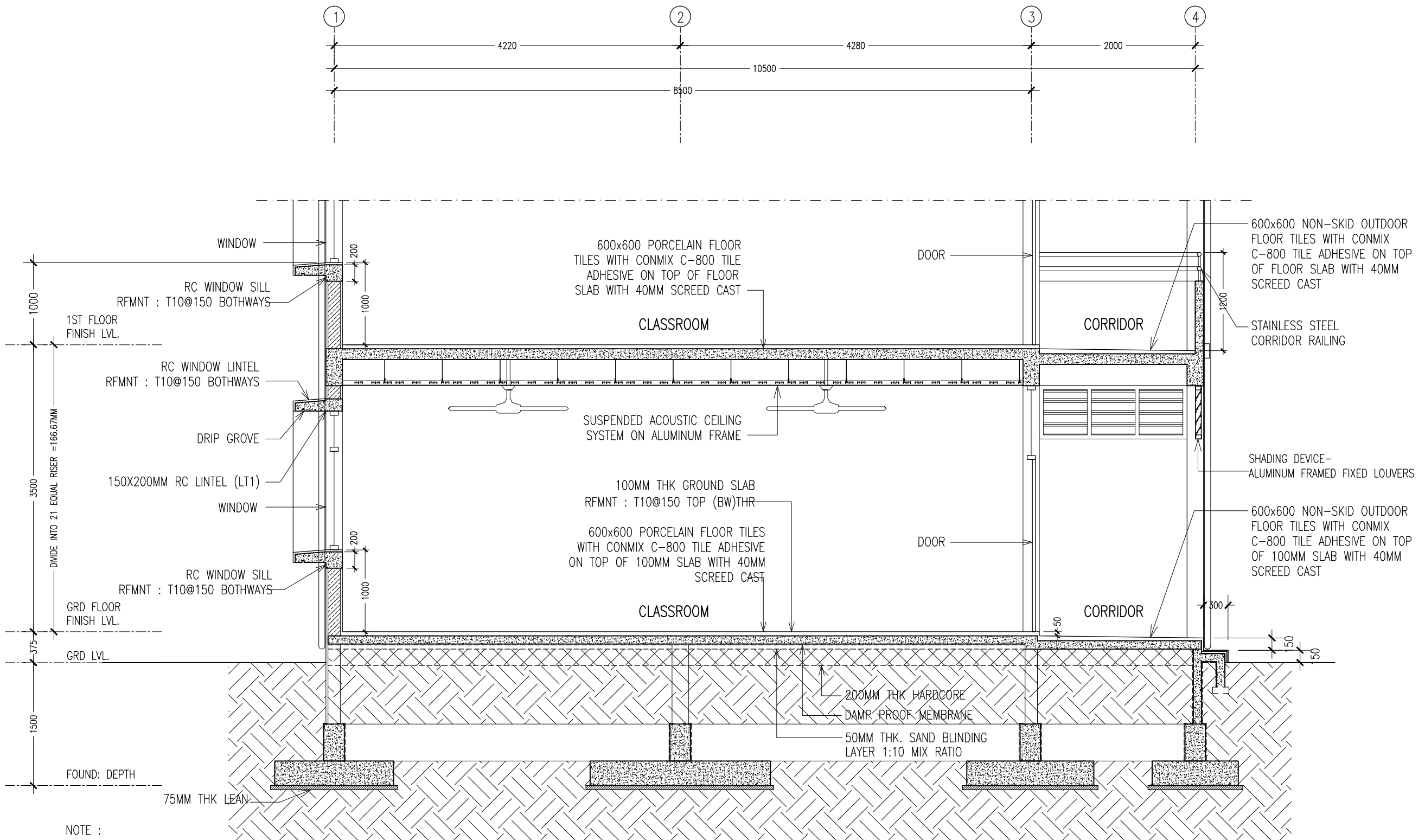
REVISION:

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

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A-08
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SECTION DETAIL Y-Y
SCALE 1:50

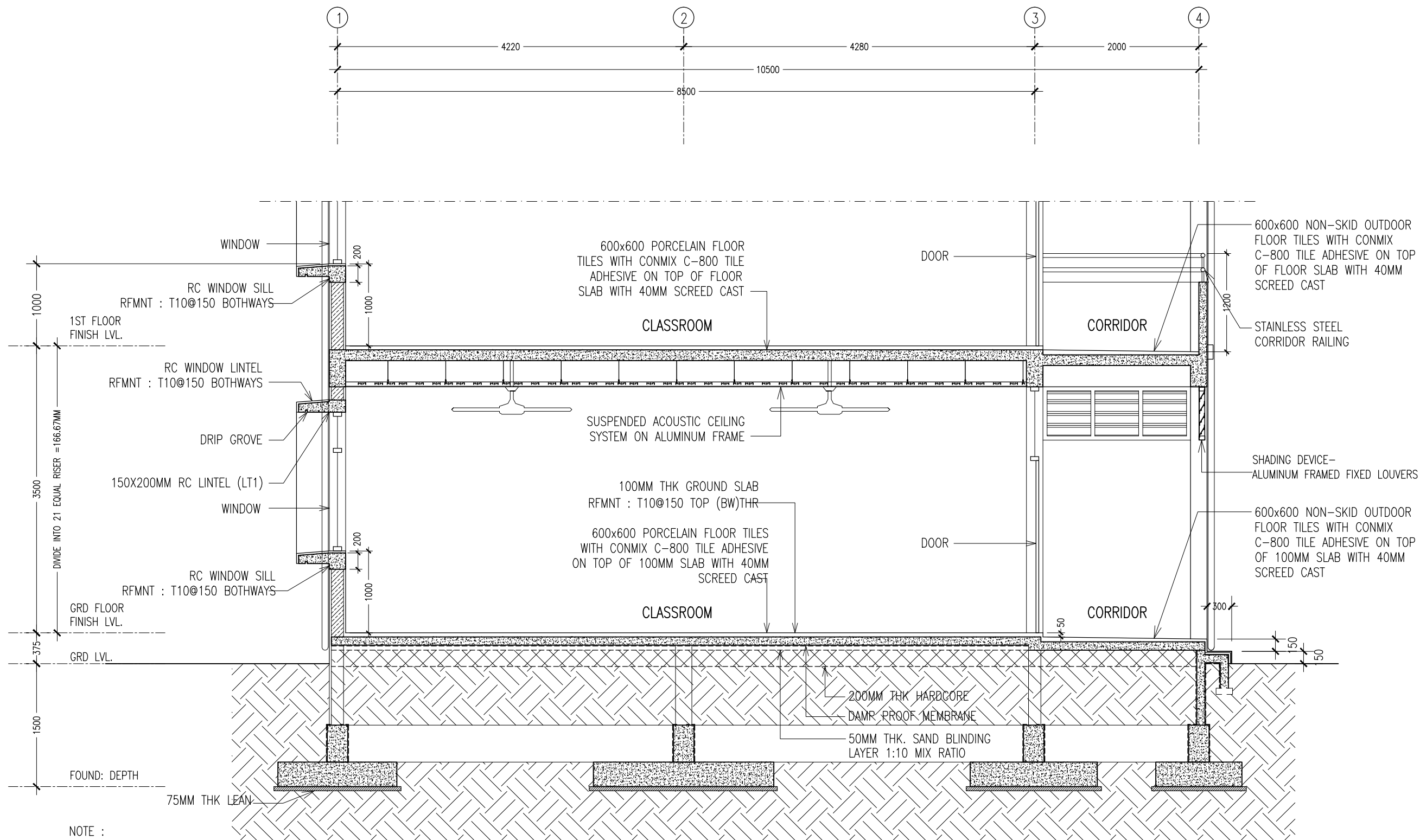
NOTE :
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USE CONMIX MEGE FLOW P ON
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BEAMS, SLAB ...

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REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: PROPOSED 9 CLASS ROOM BLOCK	A-10
	ENGINEER: MOHAMED AHSAN	LOCATION: HDH. VAIKARADHOO, HDH ATOLL SCHOOL	
	SERVICES ENG: AS GIVEN	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: ASFAN AHMED	SCALE: AS GIVEN	
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NOTE :

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CONCRETE ADMIXTURE ON ALL
FOUNDATION CONCRETE

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

SECTION DETAIL Y-Y
SCALE 1:50

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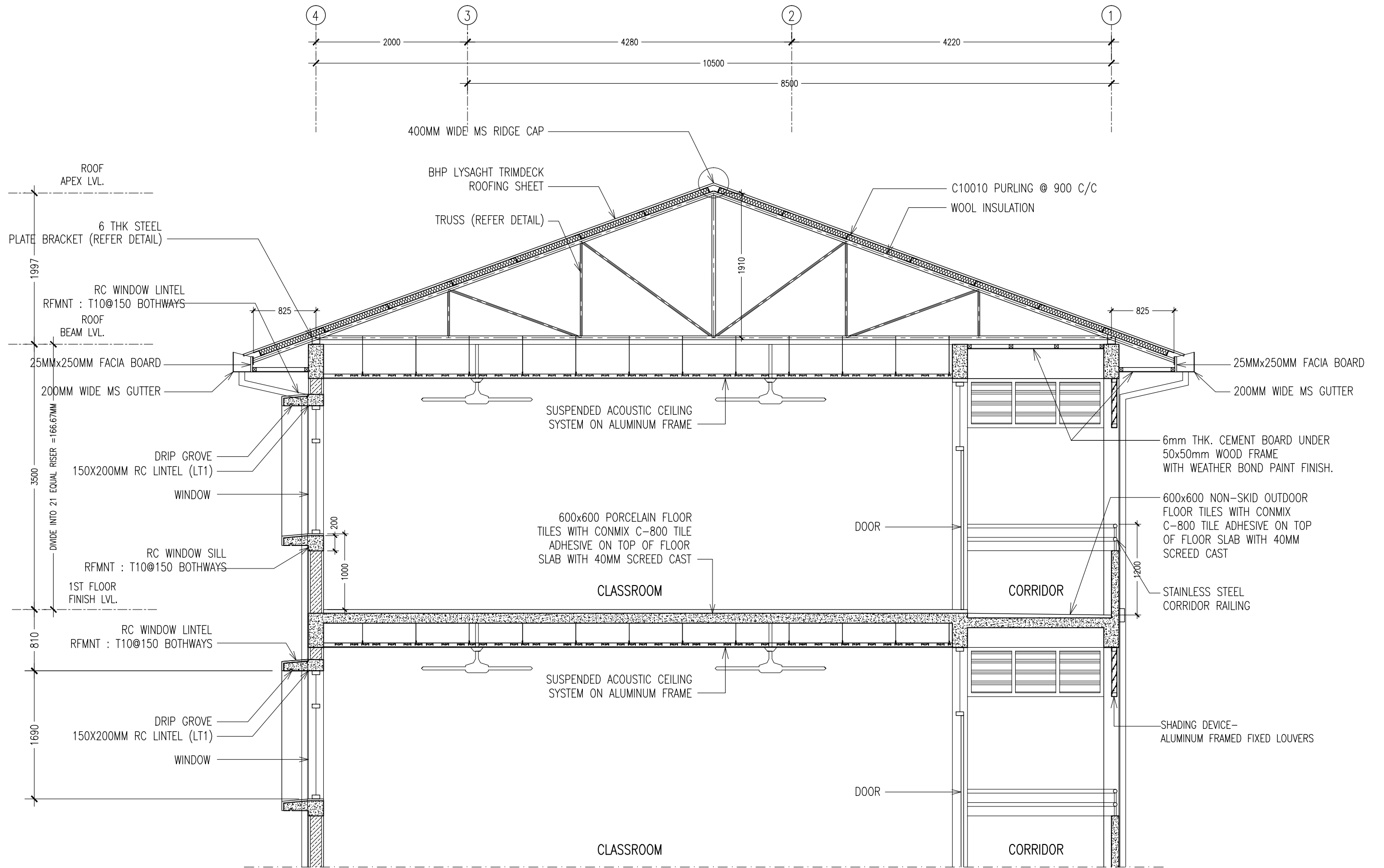
REVISION:

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

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A-10
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SECTION DETAIL Y-Y
SCALE 1:50

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REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: PROPOSED 9 CLASS ROOM BLOCK	A-11
	ENGINEER: MOHAMED AHSAN	LOCATION: HDH. VAIKARADHOO, HDH ATOLL SCHOOL	
	SERVICES ENG:	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: ASFAN AHMED	SCALE: AS GIVEN DIMENSION: MM DATE: FEBRUARY 2016	
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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

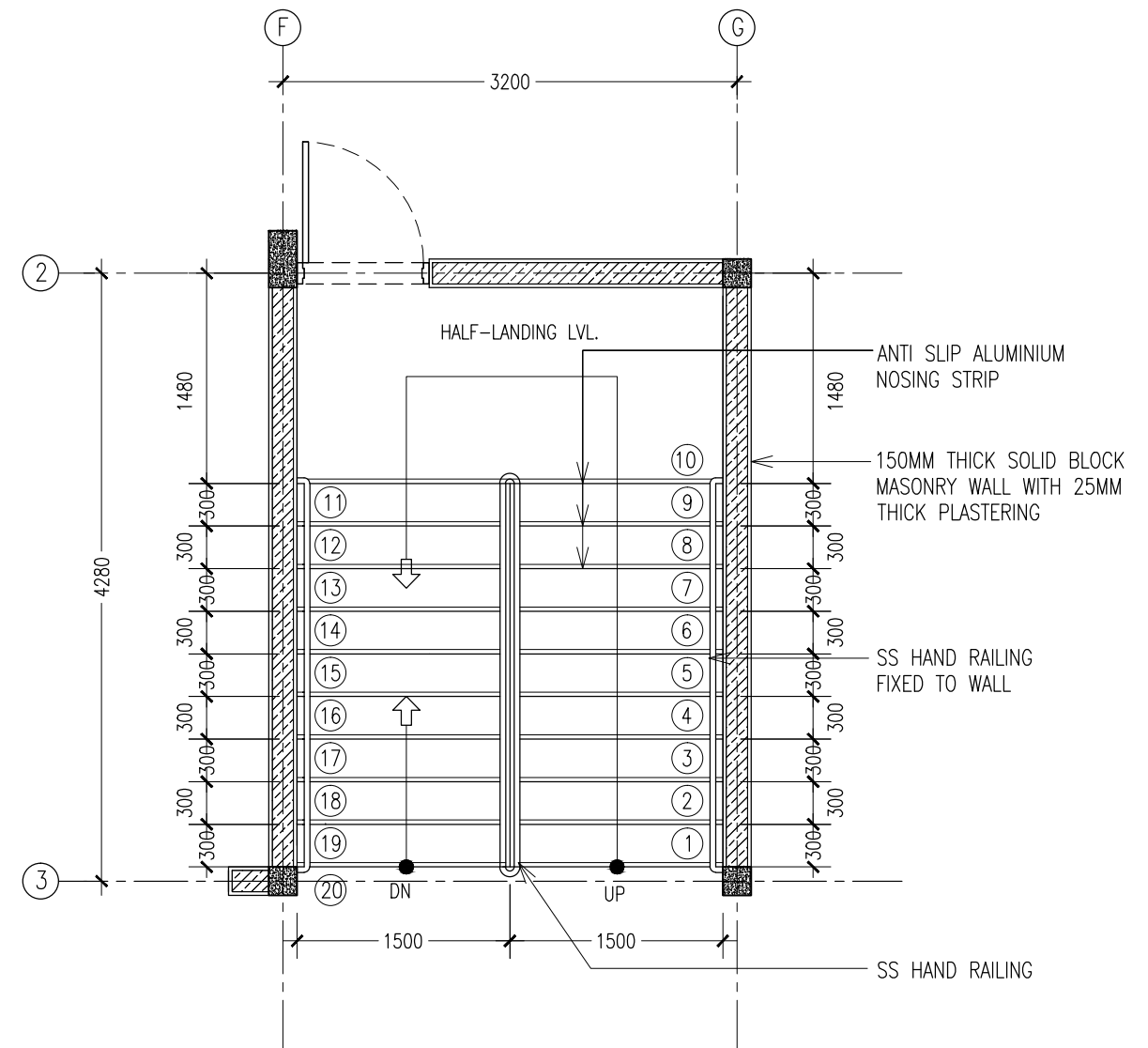
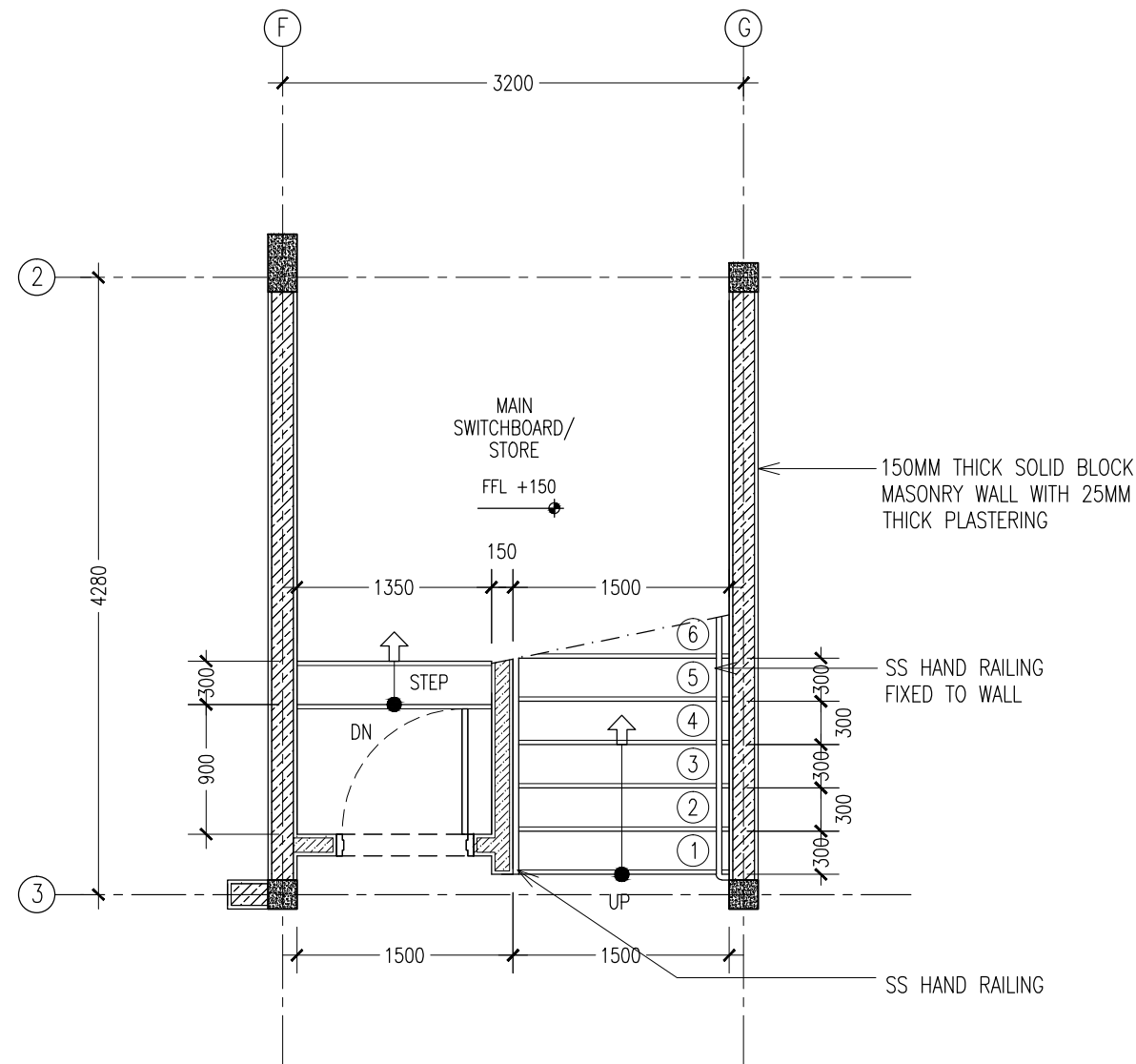
DOOR / WINDOW SCHEDULE

SCALE 1:50

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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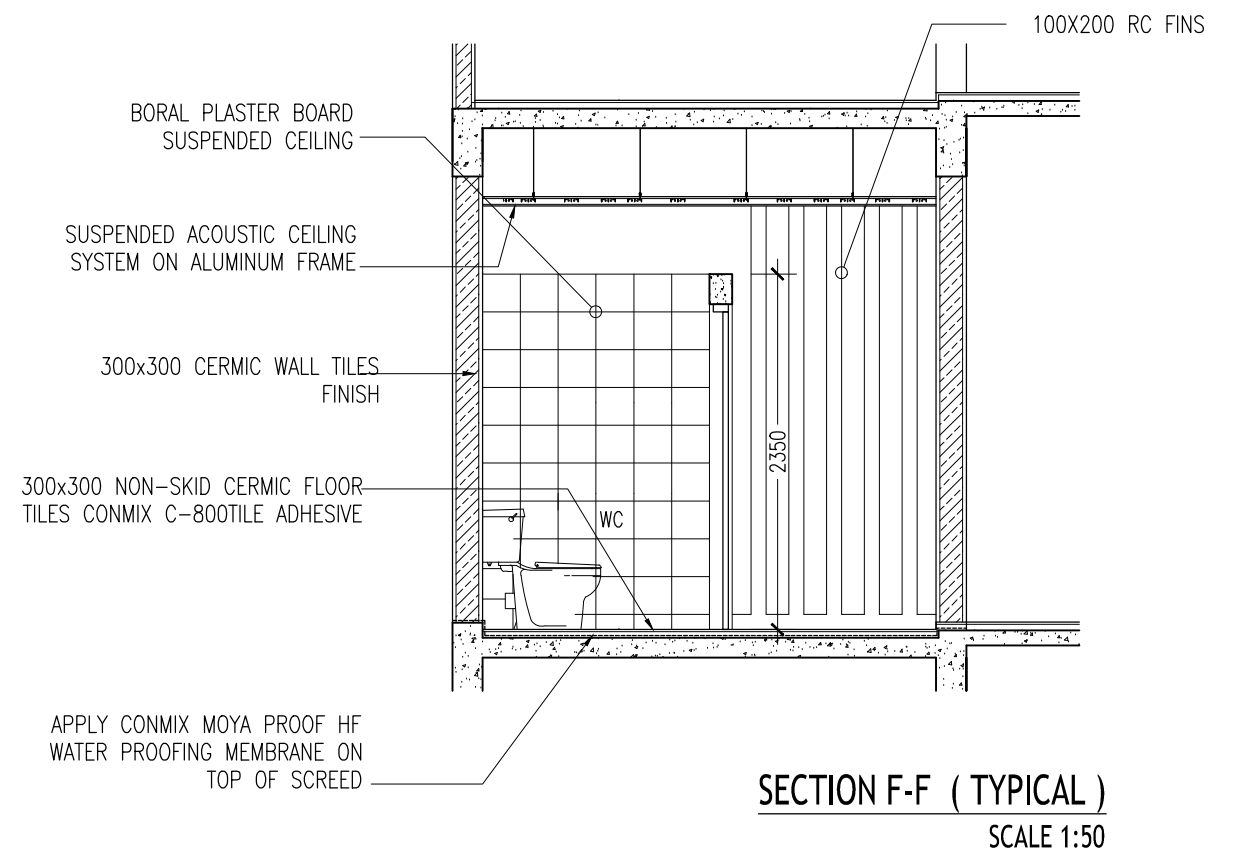
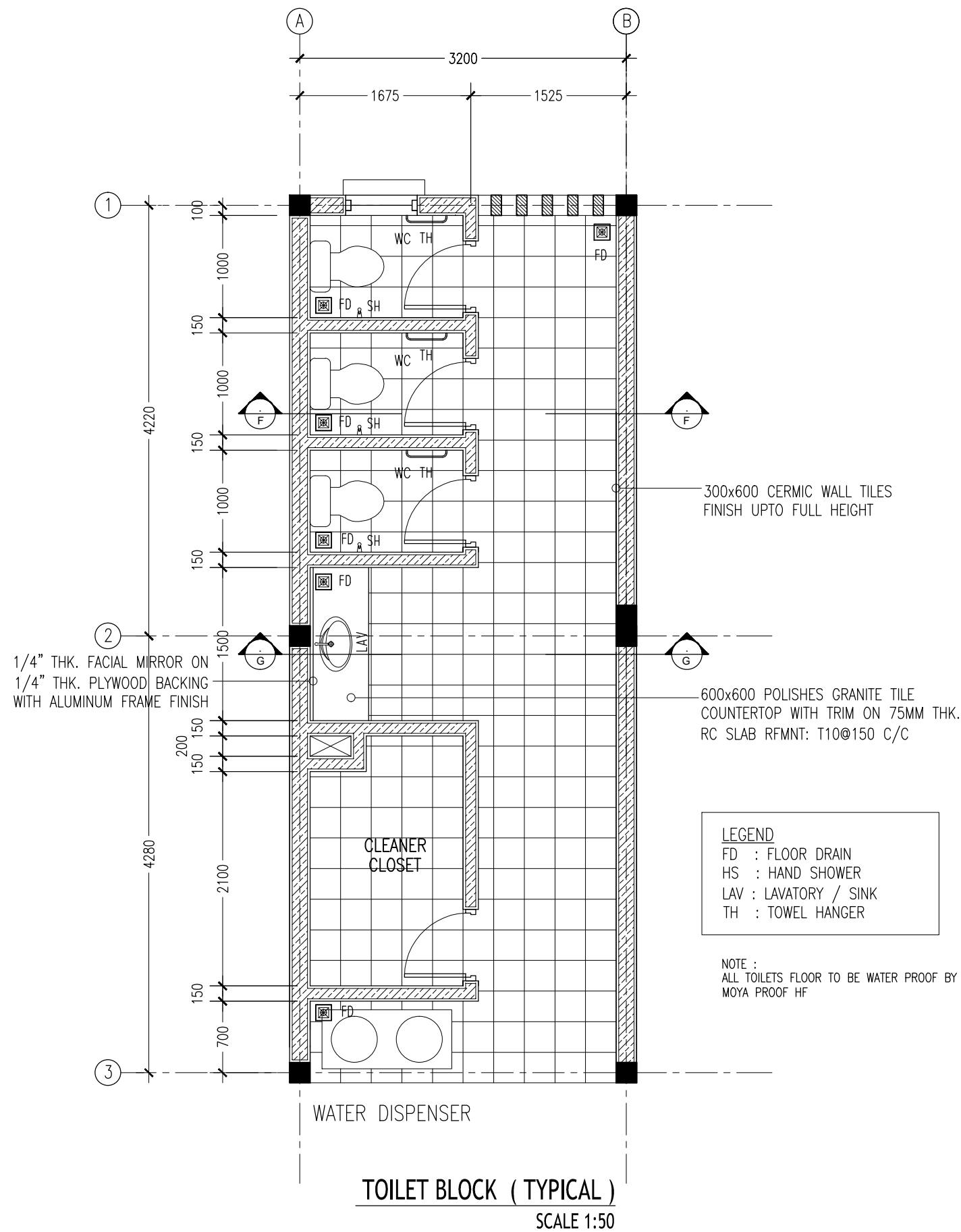
REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: PROPOSED 9 CLASS ROOM BLOCK	A-12
	ENGINEER: MOHAMED AHSAN	LOCATION: HDH. VAIKARADHOO, HDH ATOLL SCHOOL	
	SERVICES ENG:	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: ASFAN AHMED	SCALE: AS GIVEN	
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		DATE: FEBRUARY 2016	PROJECT NO.: 15-041



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REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: PROPOSED 9 CLASS ROOM BLOCK	A-13
	ENGINEER: MOHAMED AHSAN	LOCATION: HDH. VAIKARADHOO, HDH ATOLL SCHOOL	
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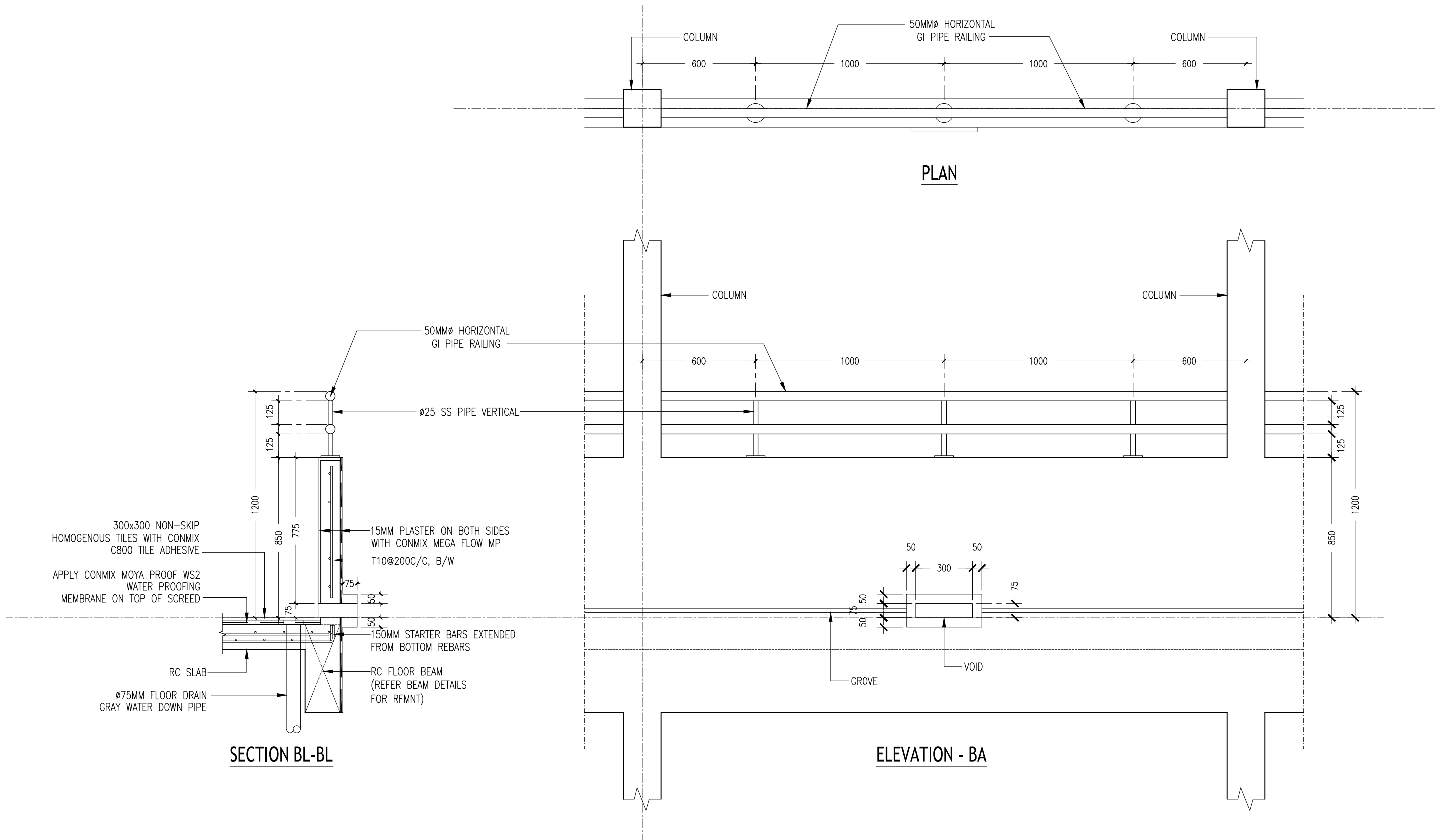
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A-14
DWG NO
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TYPICAL BALCONY PARAPET WALL
SCALE 1:20

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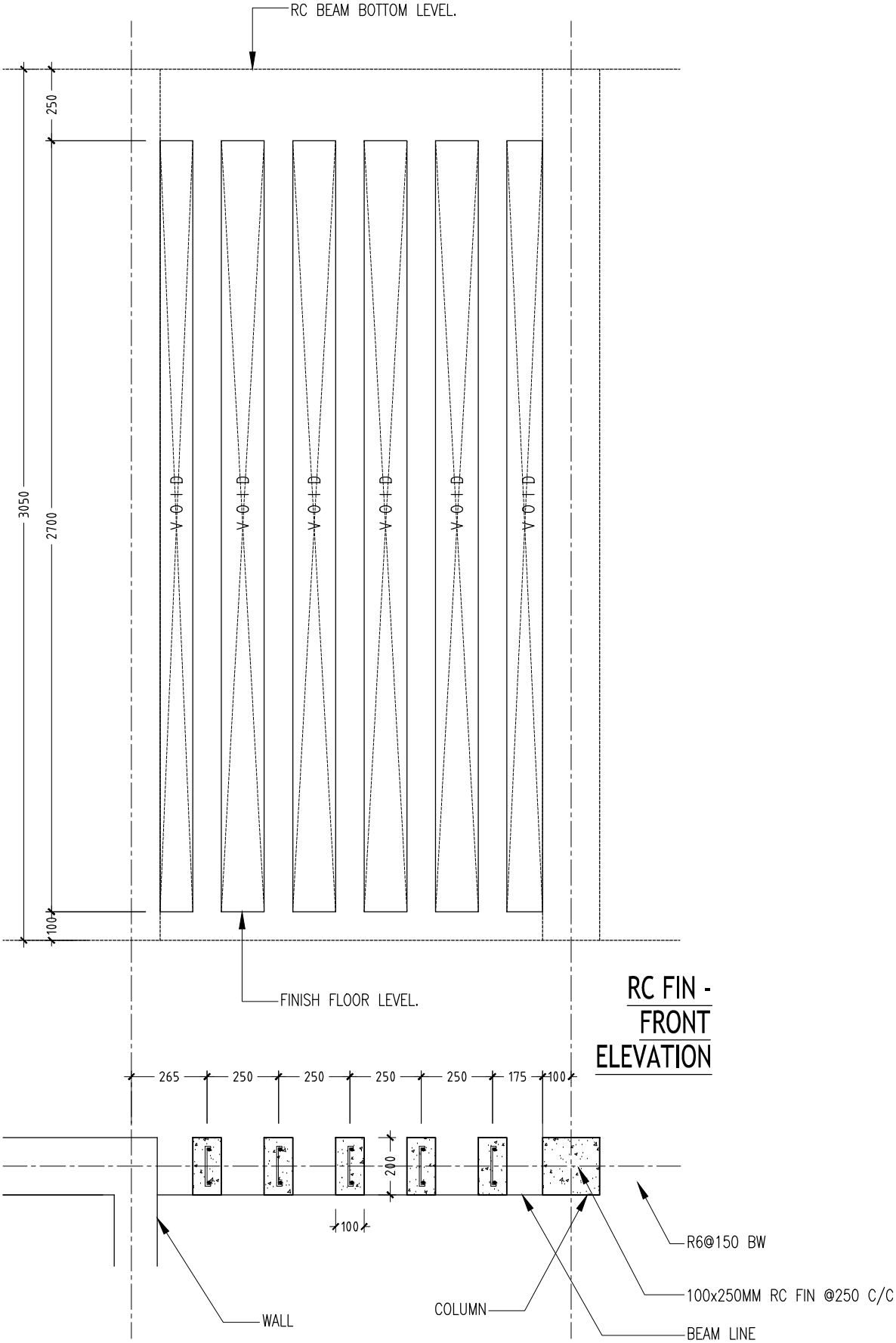
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A-16
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RC FIN -
FRONT
ELEVATION

RC FIN DETAILS
SCALE 1:20

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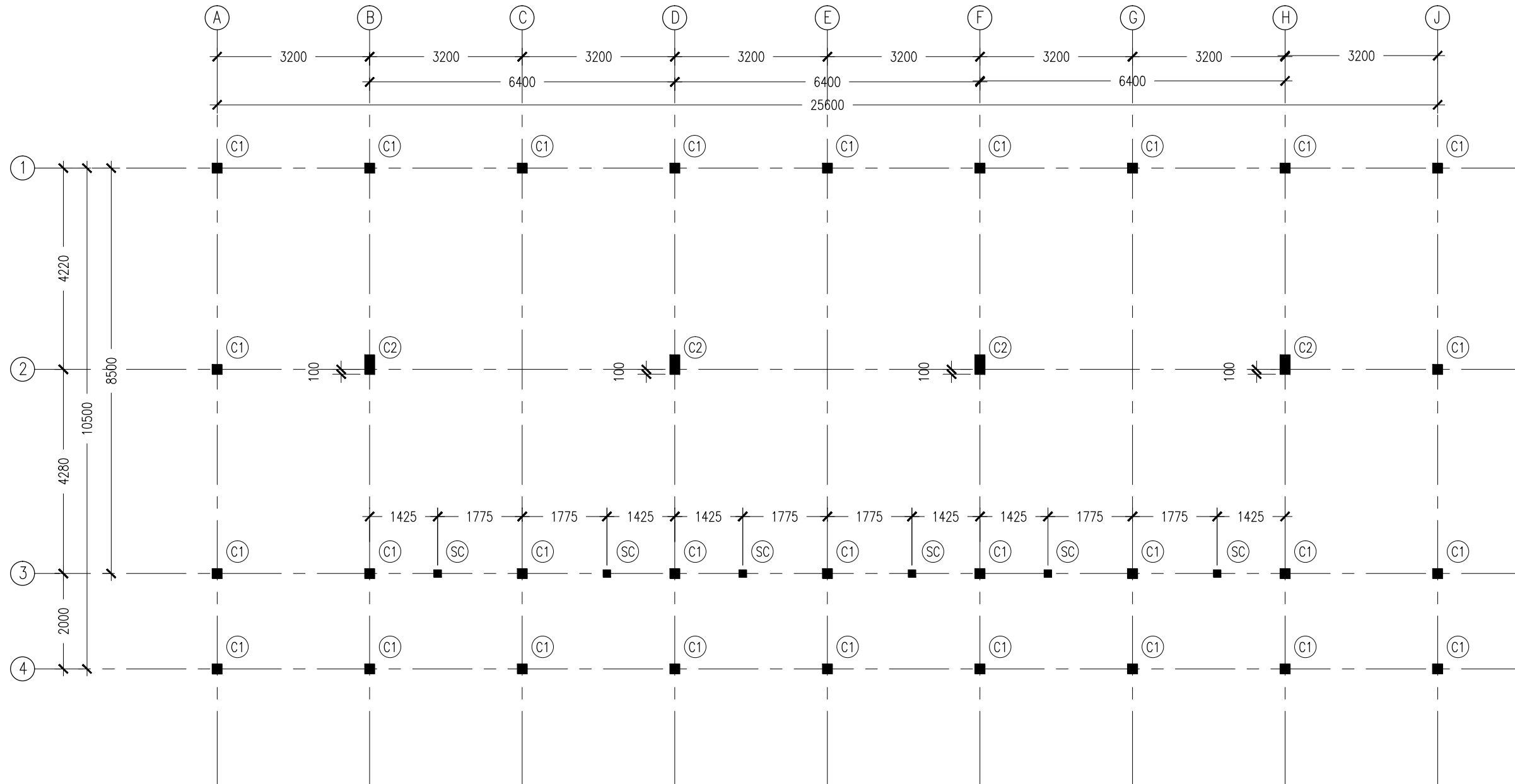


REVISION:	

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

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A-17
DWG NO
PROJECT NO.: 15-041



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.

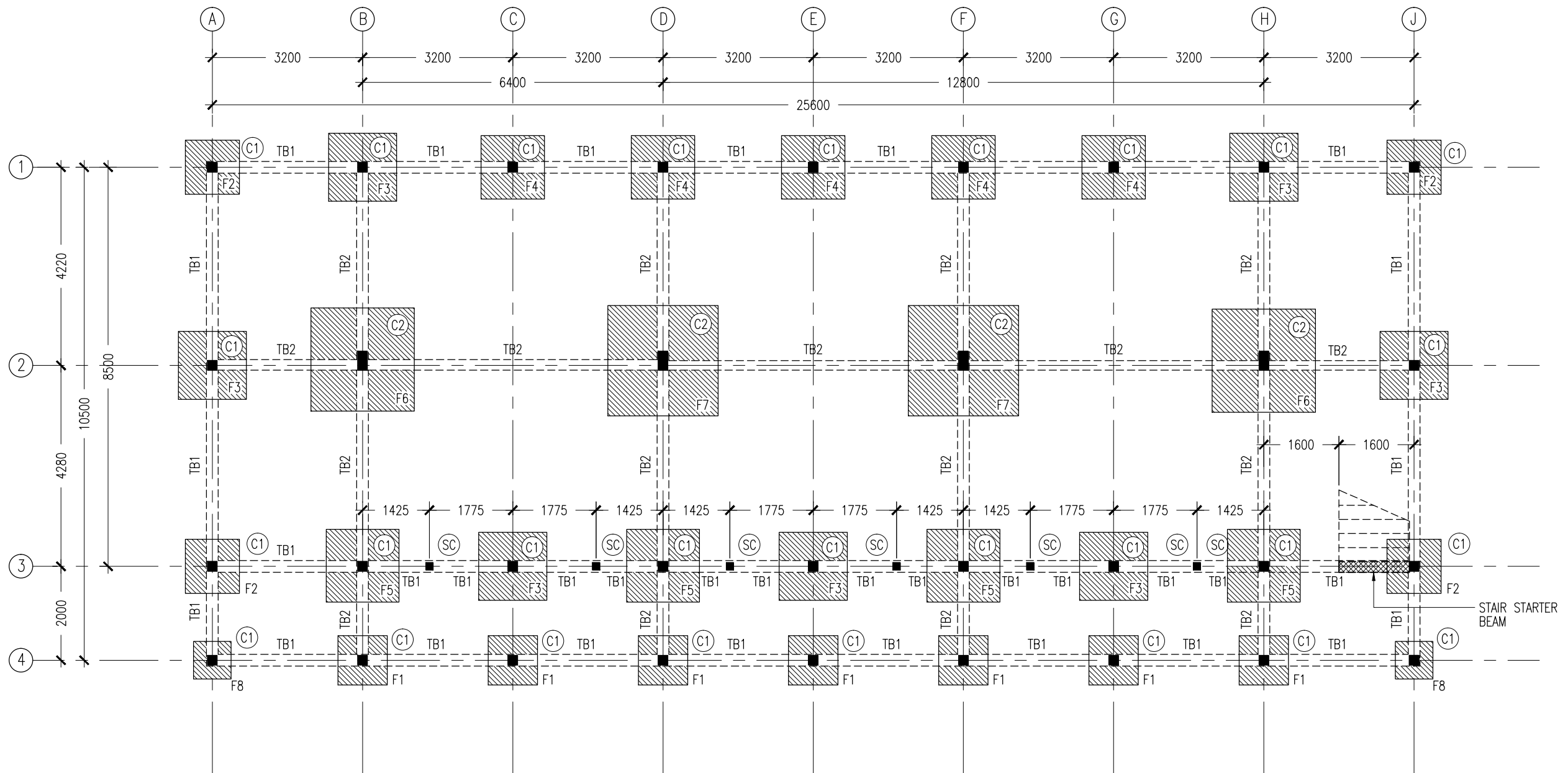
COLUMN SETTING LAYOUT PLAN
SCALE 1:100

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REVISION:	ARCHITECT:	MOHAMED HAMEEN		PROJECT:			PROPOSED 9 CLASS ROOM BLOCK			S-01							
	ENGINEER:	MOHAMED AHSAN		LOCATION:			HDH. VAIKARADHOO, HDH ATOLL SCHOOL										
	SERVICES ENG:			DRAWING TITLE:			AS GIVEN										
	ESTIMATOR:			CLIENT:			MINISTRY OF EDUCATION										
	DWG NO																
	DRAWN BY:	ASFAN AHMED		SCALE:		AS GIVEN		DIMENSION:		MM		DATE:		FEBRUARY 2016		PROJECT NO.: 15-041	

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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.

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

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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

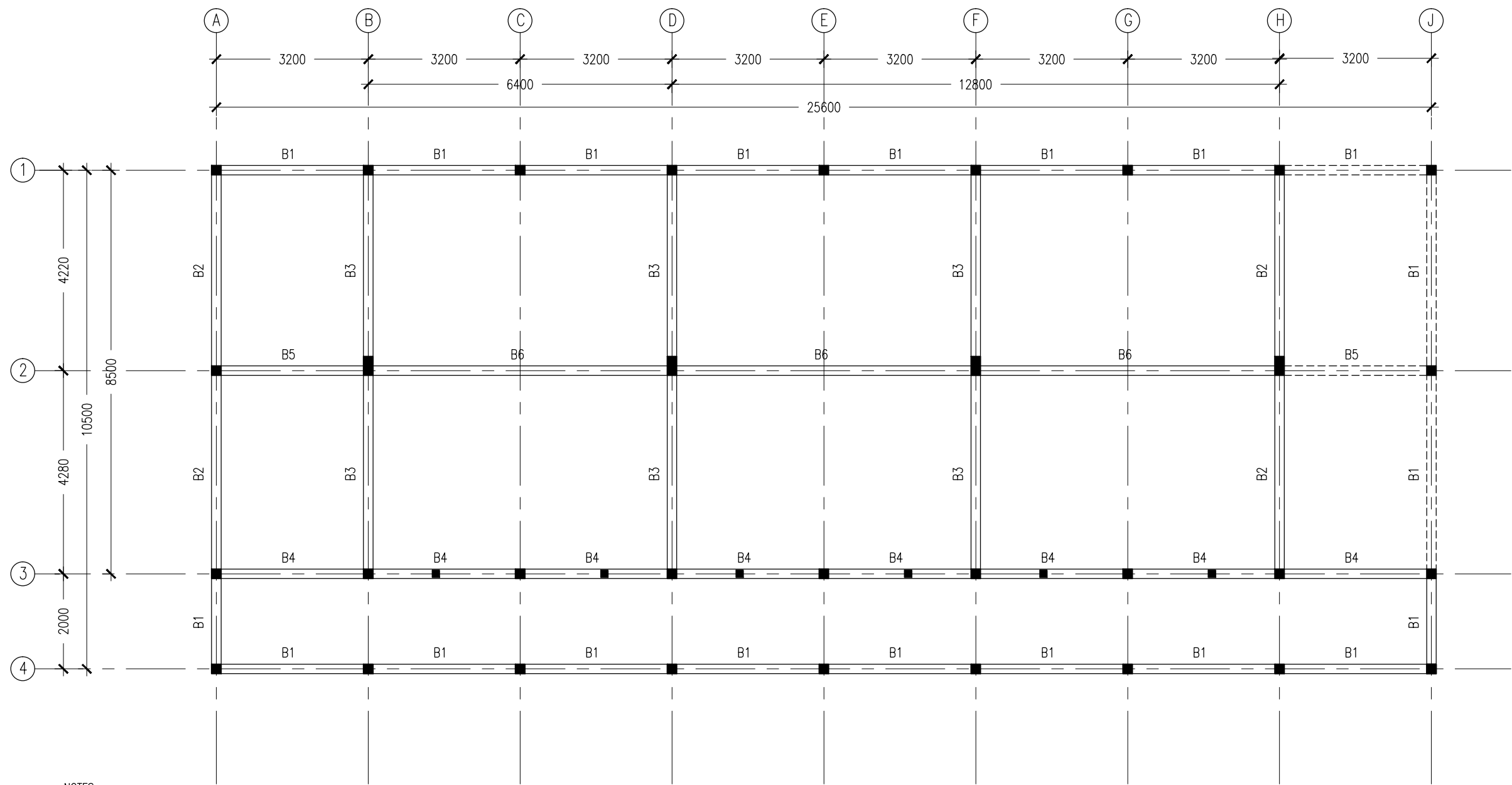
PROJECT: PROPOSED 9 CLASS ROOM BLOCK
LOCATION: HDH. VAIKARADHOO, HDH ATOLL SCHOOL
DRAWING TITLE: AS GIVEN
CLIENT: MINISTRY OF EDUCATION
SCALE: AS GIVEN DIMENSION: MM DATE: FEBRUARY 2016

S-02

DWG NO

PROJECT NO.: 15-041

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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.

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

CONTRACTORS MUST
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DRAWINGS, FIGURED
DIMENSIONS TO TAKE
PRECEDENCE OVER
SCALE READINGS

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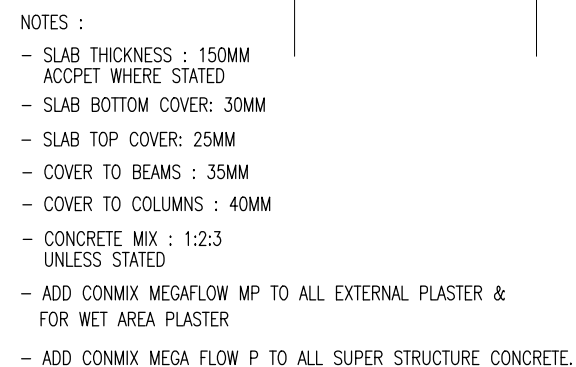
REVISION:

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

PROJECT: PROPOSED 9 CLASS ROOM BLOCK
LOCATION: HDH. VAIKARADHOO, HDH ATOLL SCHOOL
DRAWING TITLE: AS GIVEN
CLIENT: MINISTRY OF EDUCATION
SCALE: AS GIVEN DIMENSION: MM DATE: FEBRUARY 2016

S-03
DWG NO
PROJECT NO.: 15-041

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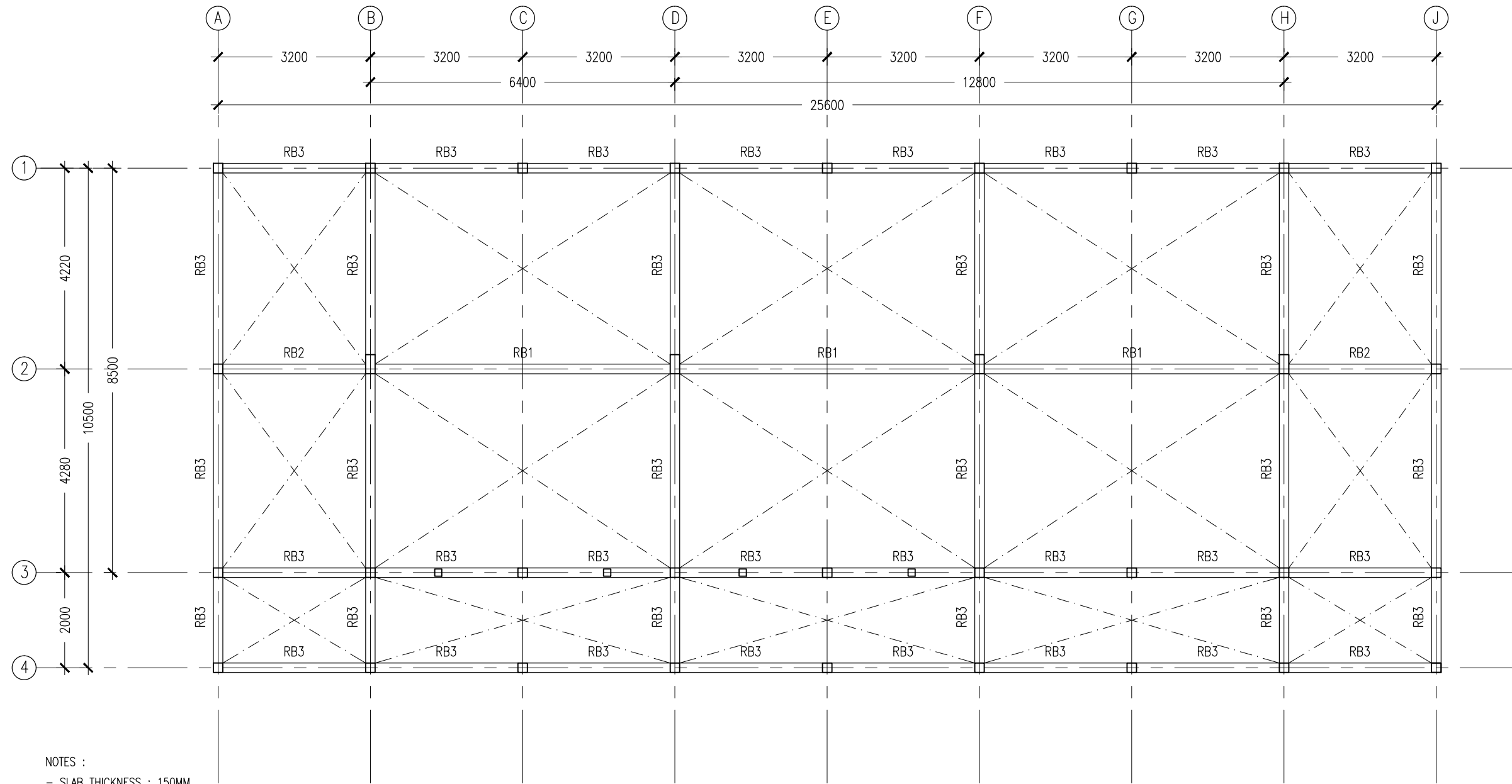
SCALE 1:100

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admin@archeng.biz

PROJECT:	PROPOSED 9 CLASS ROOM BLOCK	
LOCATION:	HDH. VAIKARADHOO, HDH ATOLL SCHOOL	
DRAWING TITLE:	AS GIVEN	
CLIENT:	MINISTRY OF EDUCATION	
SCALE: AS GIVEN	DIMENSION: MM	DATE: FEBRUARY 2016

DWG NO
PROJECT NO.: 15-041

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- 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.

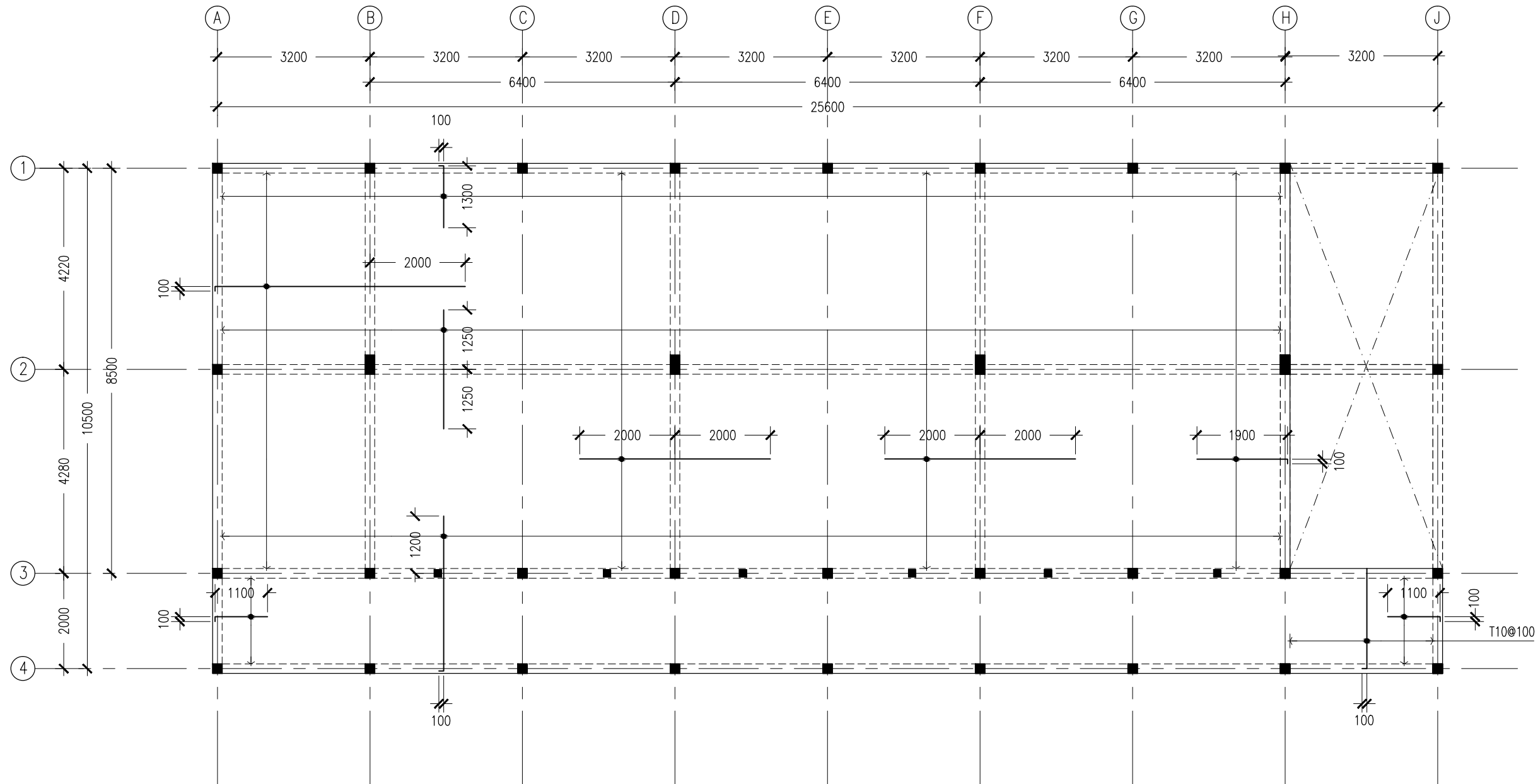
ROOF BEAM LAYOUT PLAN
SCALE 1:100

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	PROJECT: PROPOSED 9 CLASS ROOM BLOCK			S-05
	ENGINEER: MOHAMED AHSAN	LOCATION: HDH. VAIKARADHOO, HDH ATOLL SCHOOL			
	SERVICES ENG:	DRAWING TITLE: AS GIVEN			
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION			
	DRAWN BY: ASFAN AHMED	SCALE: AS GIVEN	DIMENSION: MM	DATE: FEBRUARY 2016	
					DWG NO
					PROJECT NO.: 15-041

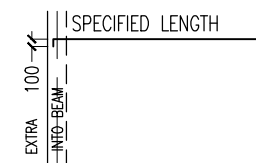
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NOTE:

- *SLAB THICKNESS: 150MM
ACCPET 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 : T10-200MM 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
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DIMENSIONS TO TAKE
PRECEDENCE OVER
SCALE READINGS

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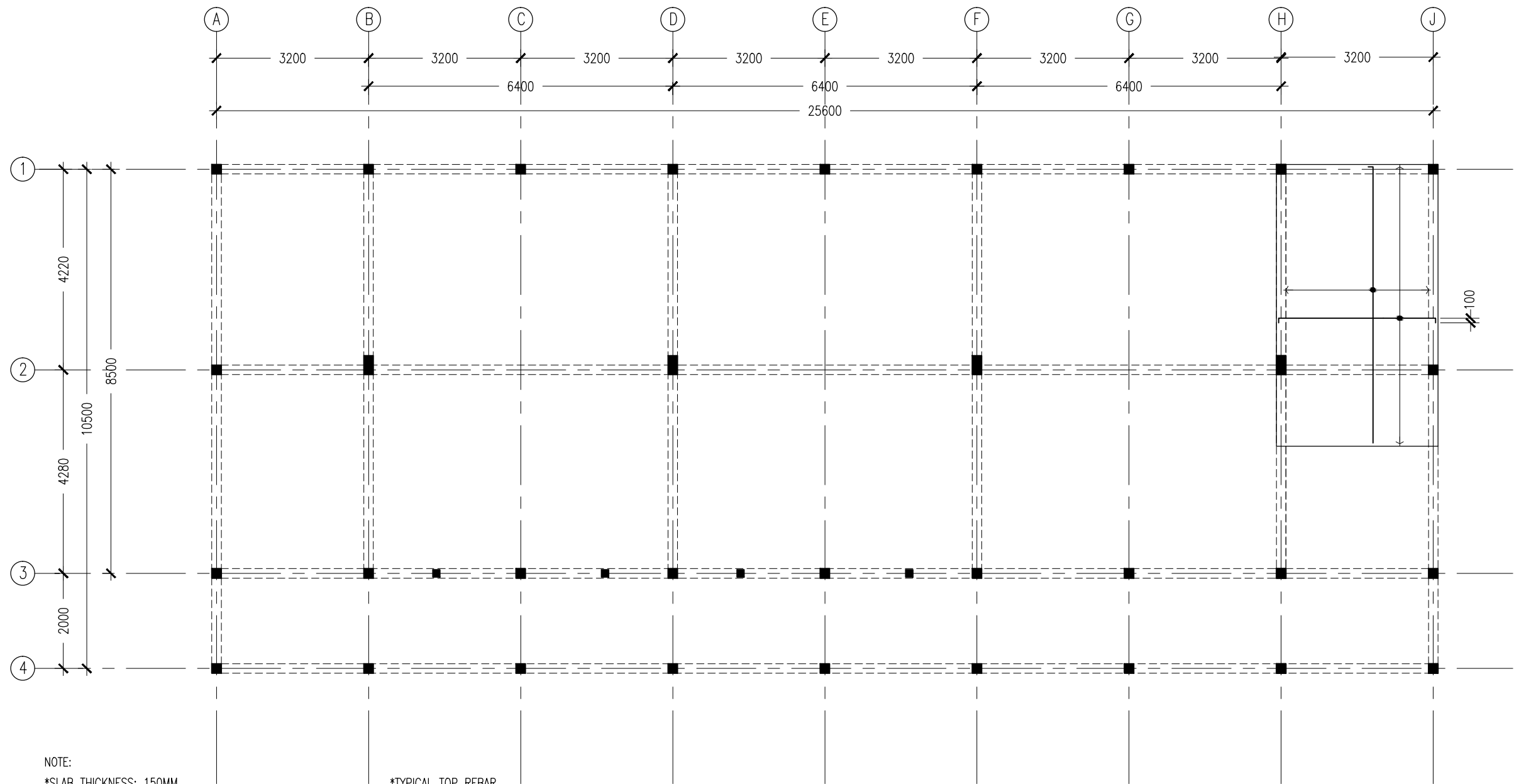
REVISION:

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

PROJECT: PROPOSED 9 CLASS ROOM BLOCK
LOCATION: HDH. VAIKARADHOO, HDH ATOLL SCHOOL
DRAWING TITLE: AS GIVEN
CLIENT: MINISTRY OF EDUCATION
SCALE: AS GIVEN DIMENSION: MM DATE: FEBRUARY 2016

S-06
DWG NO
PROJECT NO.: 15-041

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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@300 BW C/C

*TYPICAL TOP REBAR
SPECIFIED LENGTH
EXTRA 100
INTG-BEAM
*FCU=25N/MM2
*ADD CONMIX MegaFlow P TO ALL SUPER
STRUCTURE CONCRETE

SLAB RFMNT AT HALF-LANDING LAYOUT PLAN

SCALE 1:100

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

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REVISION:

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

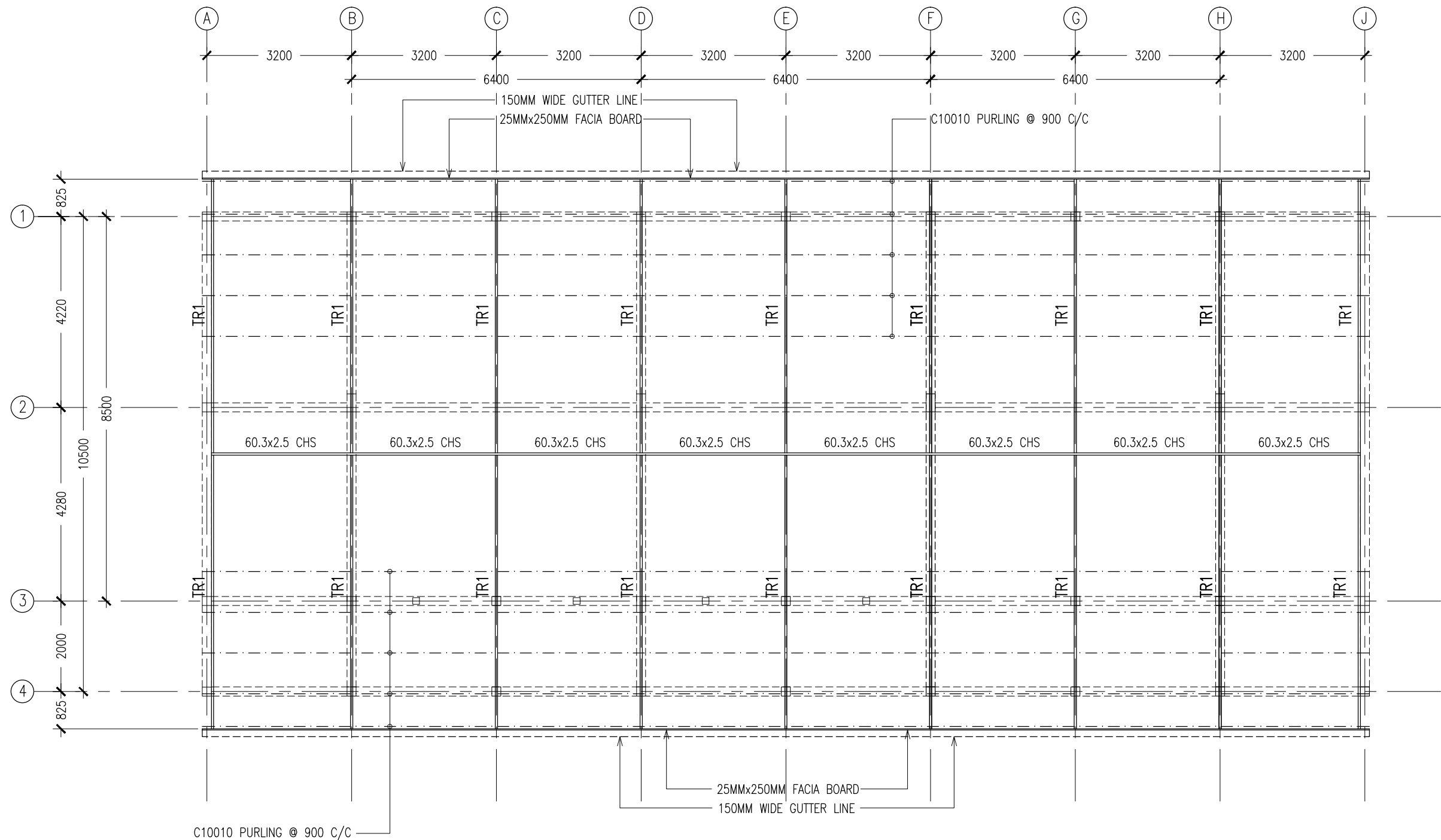
PROJECT: PROPOSED 9 CLASS ROOM BLOCK
LOCATION: HDH. VAIKARADHOO, HDH ATOLL SCHOOL
DRAWING TITLE: AS GIVEN
CLIENT: MINISTRY OF EDUCATION
SCALE: AS GIVEN DIMENSION: MM DATE: FEBRUARY 2016

S-07

DWG NO

PROJECT NO.: 15-041

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ROOF STRUCTURE LAYOUT PLAN

SCALE 1:100

CONTRACTORS MUST
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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 9 CLASS ROOM BLOCK		
LOCATION:	HDH. VAIKARADHOO, HDH ATOLL SCHOOL		
DRAWING TITLE:	AS GIVEN		
CLIENT:	MINISTRY OF EDUCATION		
SCALE:	AS GIVEN	DIMENSION:	MM
		DATE:	FEBRUARY 2016

S-08

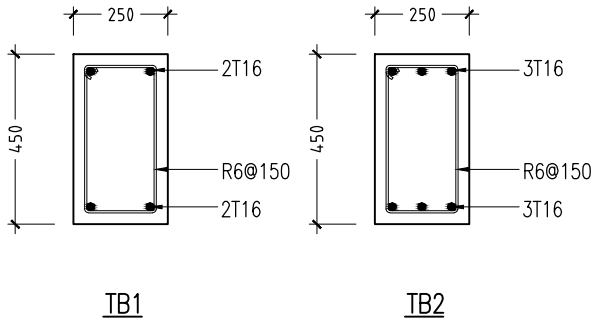
DWG NO

PROJECT NO.: 15-041

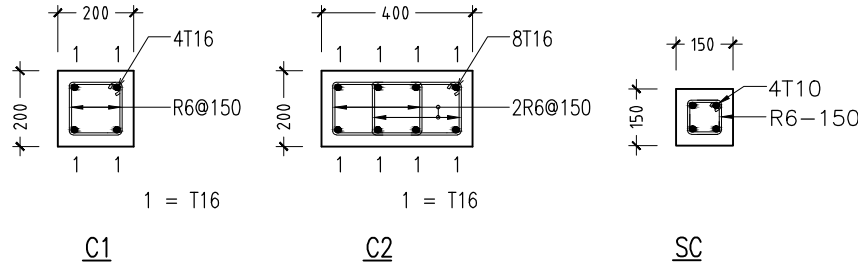
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	FOOTING	LENGTH/mm	WIDTH/mm	DEPTH/mm	REINFORCEMENT
	F1	1050	1050	300	T12@150mm C/C BW BOTTOM
	F2	1150	1150	300	T12@150mm C/C BW BOTTOM
	F3	1450	1450	300	T12@150mm C/C BW BOTTOM
	F4	1350	1350	300	T12@150mm C/C BW BOTTOM
	F5	1550	1550	300	T12@150mm C/C 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

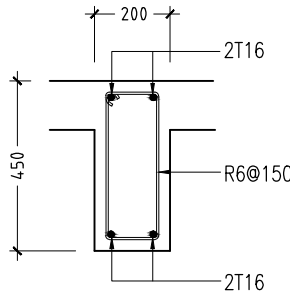
FOOTING DETAILS



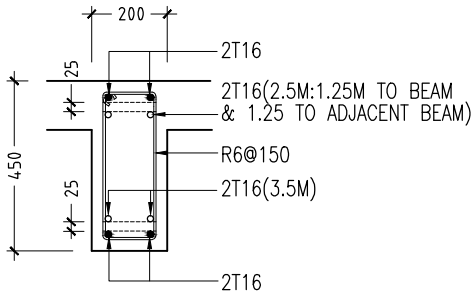
FOUNDATION BEAM DETAILS
SCALE 1:20



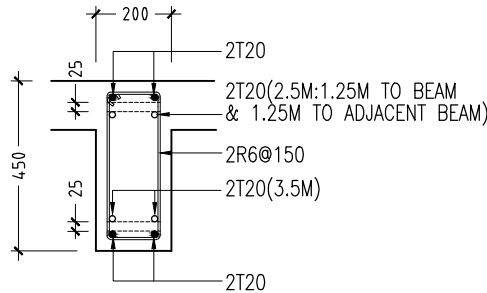
COLUMN DETAILS
SCALE 1:20



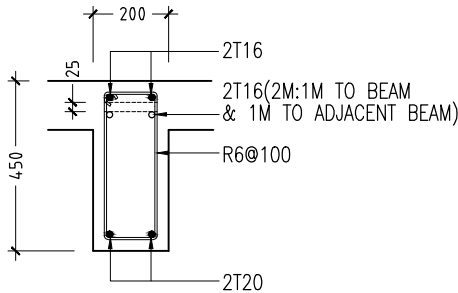
B1



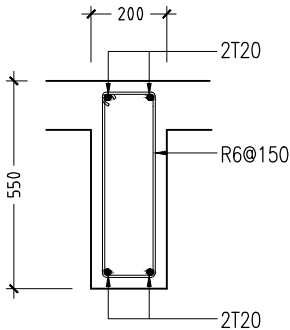
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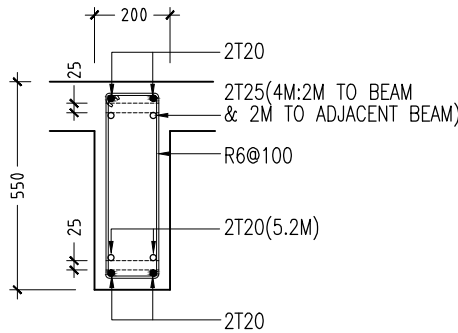
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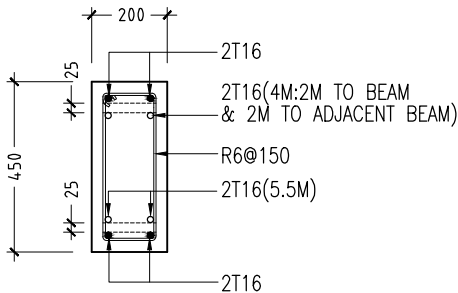
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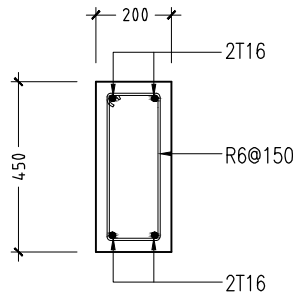
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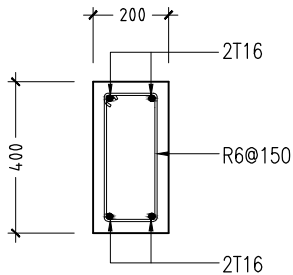
B6



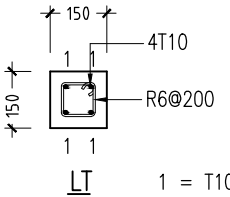
RB1



RB2



RB3



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

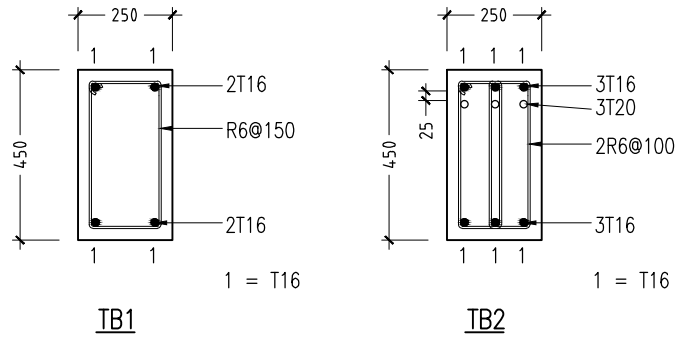
RC BEAM DETAILS
SCALE 1:20

LINTEL/SILL BEAM DETAILS
SCALE 1:20

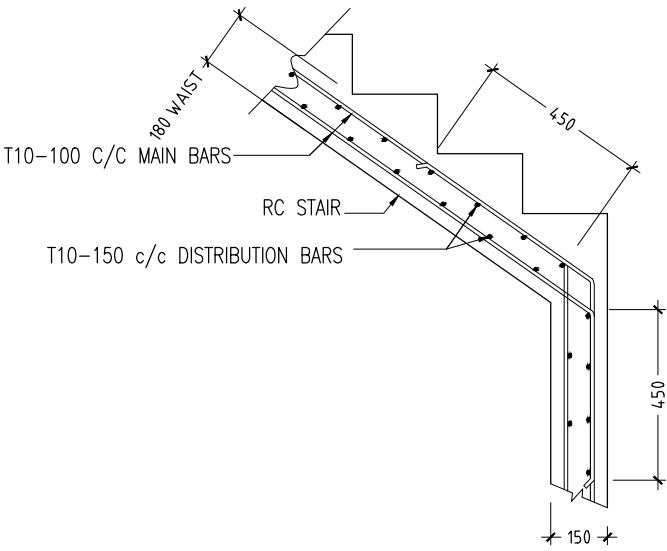
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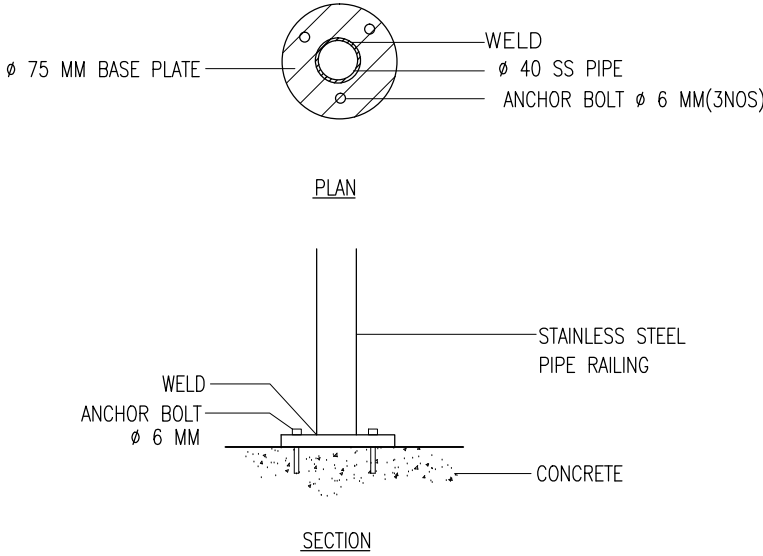
REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: PROPOSED 9 CLASS ROOM BLOCK	S-09
	ENGINEER: MOHAMED AHSAN	LOCATION: HDH. VAIKARADHOO, HDH ATOLL SCHOOL	
	SERVICES ENG:	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: ASFAN AHMED	SCALE: AS GIVEN DIMENSION: MM DATE: FEBRUARY 2016	
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FOUNDATION BEAM DETAILS
SCALE 1:20



TYPICAL STAIR RFMT DETAIL
SCALE 1:20



DETAIL D (STAIR RAILING)
SCALE 1:20

CONTRACTORS MUST
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SCALE READINGS

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admin@archeng.biz

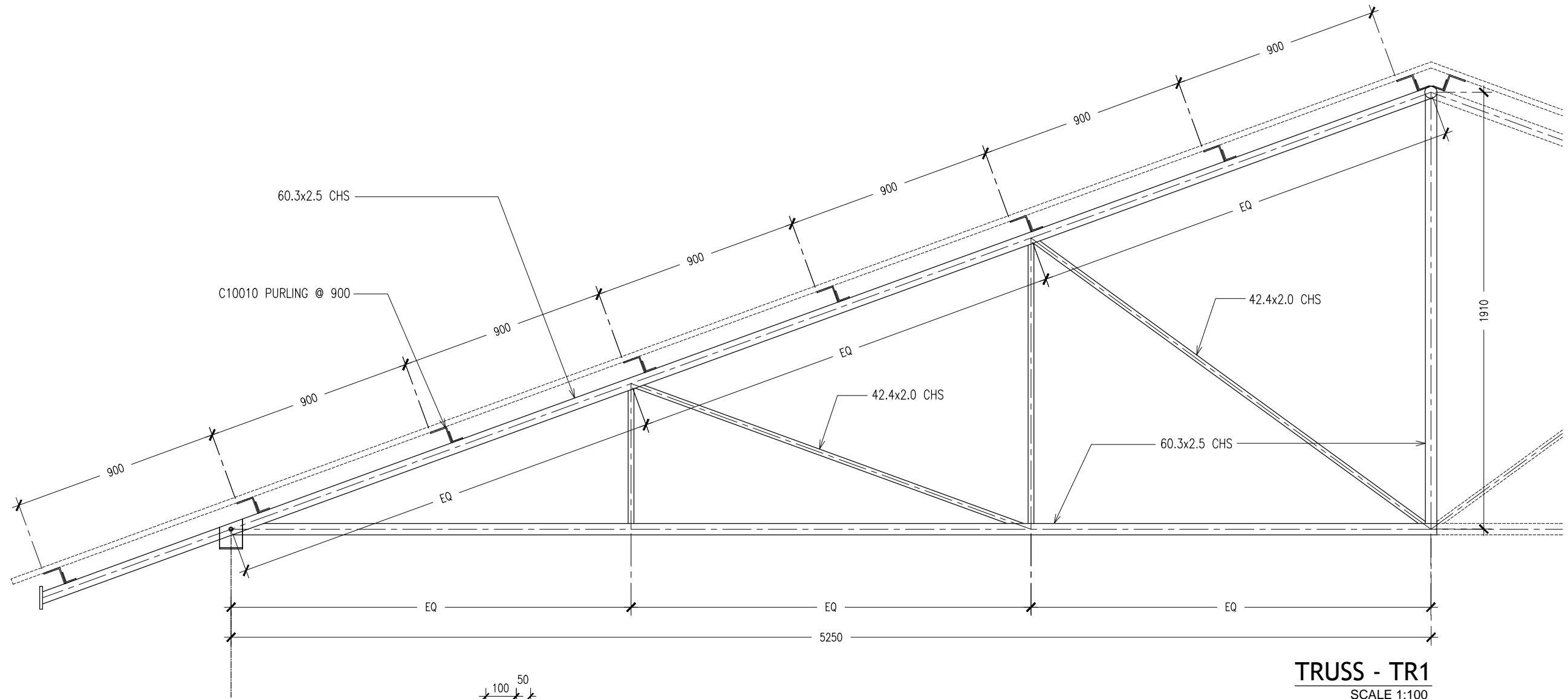
REVISION:	

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

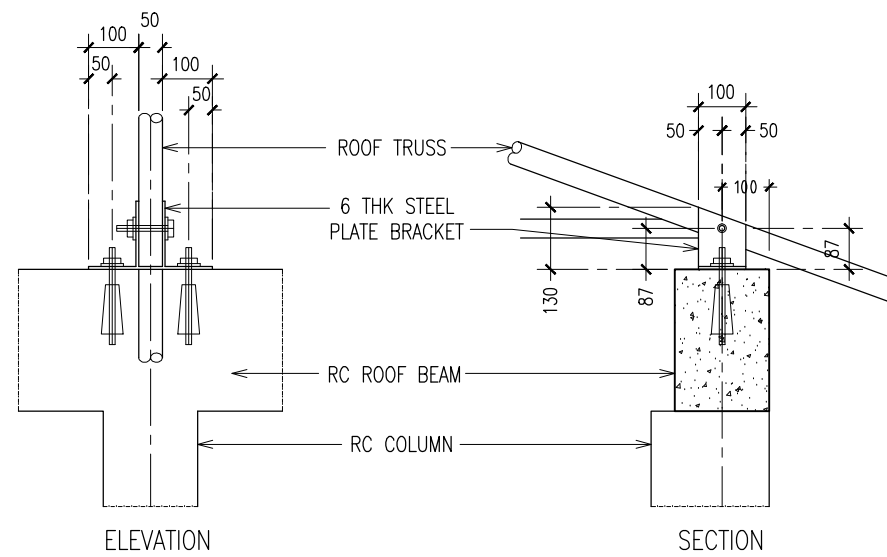
PROJECT:	PROPOSED 9 CLASS ROOM BLOCK
LOCATION:	HDH. VAIKARADHOO, HDH ATOLL SCHOOL
DRAWING TITLE:	AS GIVEN
CLIENT:	MINISTRY OF EDUCATION
SCALE:	AS GIVEN
DIMENSION:	MM
DATE:	FEBRUARY 2016

S-10
DWG NO
PROJECT NO.: 15-041

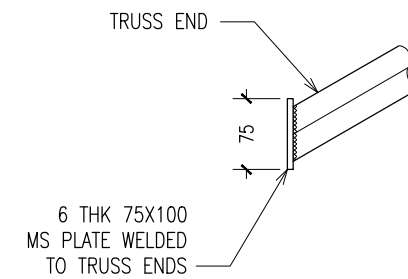
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TRUSS - TR1
SCALE 1:100



TYPICAL TRUSS FIXING DETAILS
SCALE : NTS



TYPICAL TRUSS END DETAILS
SCALE : NTS

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DIMENSIONS TO TAKE
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SCALE READINGS

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studio
Ma Fiyajhaage, 1st floor, Malé, Republic of Maldives
admin@archeng.biz

REVISION:

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

PROJECT: PROPOSED 9 CLASS ROOM BLOCK
LOCATION: HDH. VAIKARADHOO, HDH ATOLL SCHOOL
DRAWING TITLE: AS GIVEN
CLIENT: MINISTRY OF EDUCATION
SCALE: AS GIVEN DIMENSION: MM DATE: FEBRUARY 2016

S-11
DWG NO
PROJECT NO.: 15-041

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PROPOSED 09 CLASS ROOM BLOCK AT HDH.VAIKARADHOO HDH. ATOLL SCHOOL (3 STOREY)

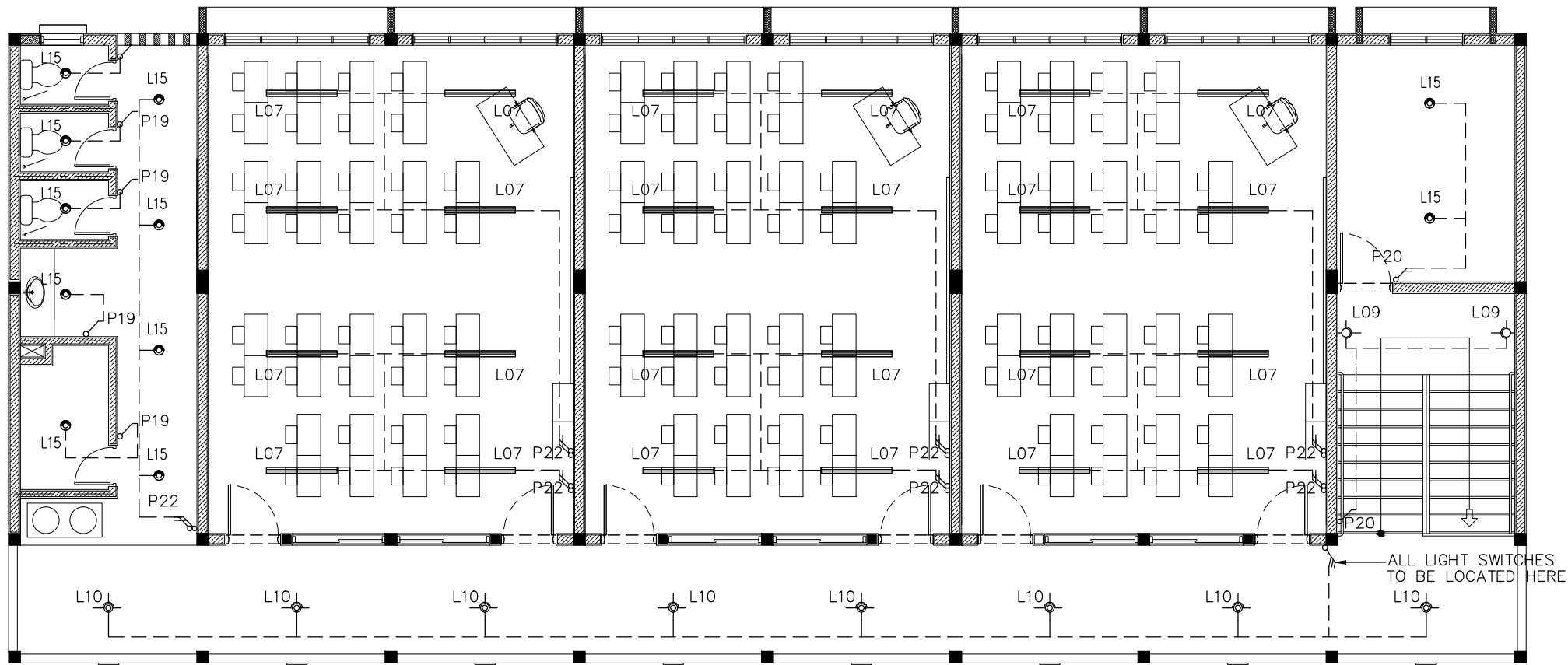
ELECTRICAL DRAWINGS

FEBRUARY 2016

CLIENT : MINISTRY OF EDUCATION

DESIGN BY

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s t u d i o
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admin@archeng.biz



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

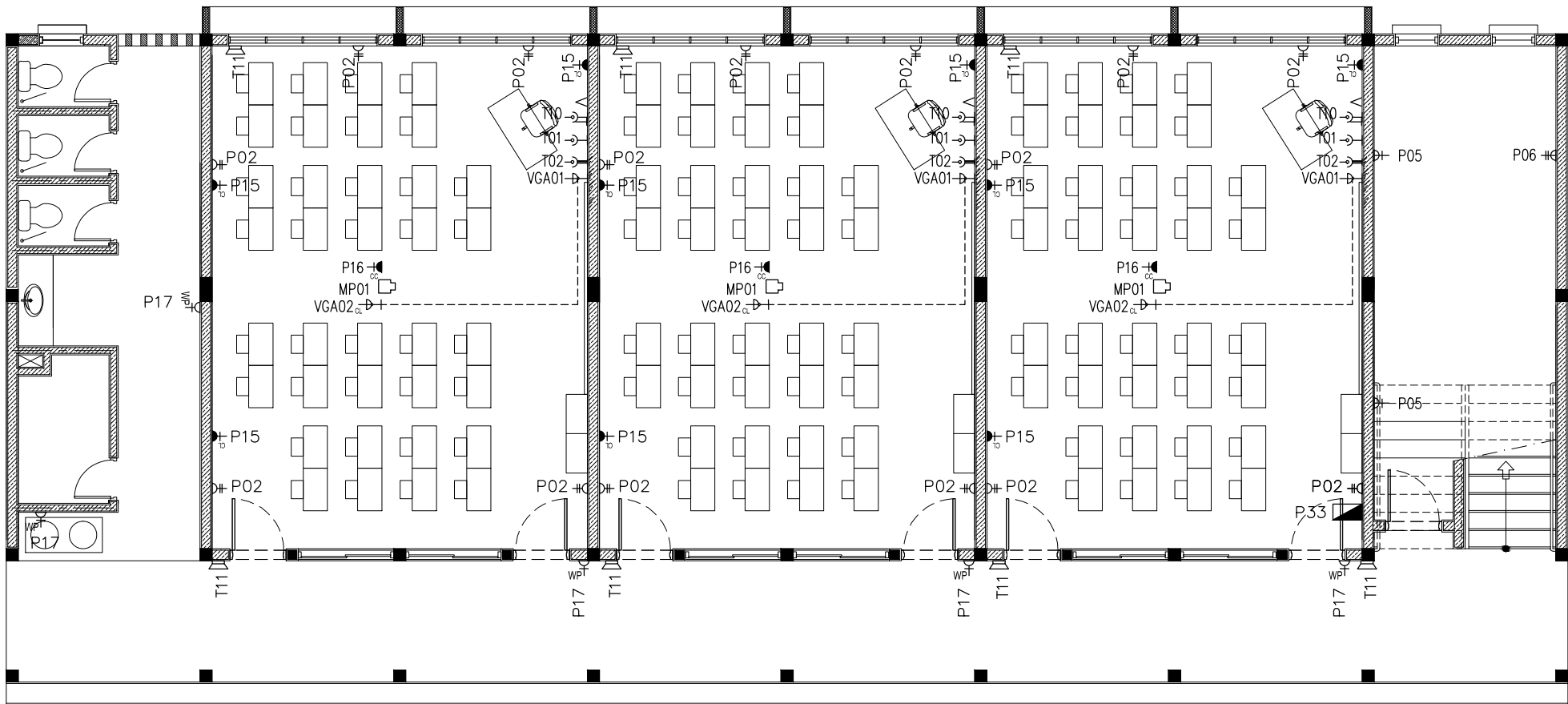
1ST/2ND FLOOR LIGHTING LAYOUT
PLAN

SCALE 1:100

CONTRACTORS MUST
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SCALE READINGS



REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: PROPOSED 9 CLASS ROOM BLOCK	E-02
	ENGINEER: MOHAMED AHSAN	LOCATION: HDH. VAIKARADHOO, HDH ATOLL SCHOOL	
	SERVICES ENG:	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: ASFAN AHMED	SCALE: AS GIVEN DIMENSION: MM DATE: FEBRUARY 2016	
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			DWG NO
			PROJECT NO.: 15-041



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
	P33	DISTRIBUTION BOARD

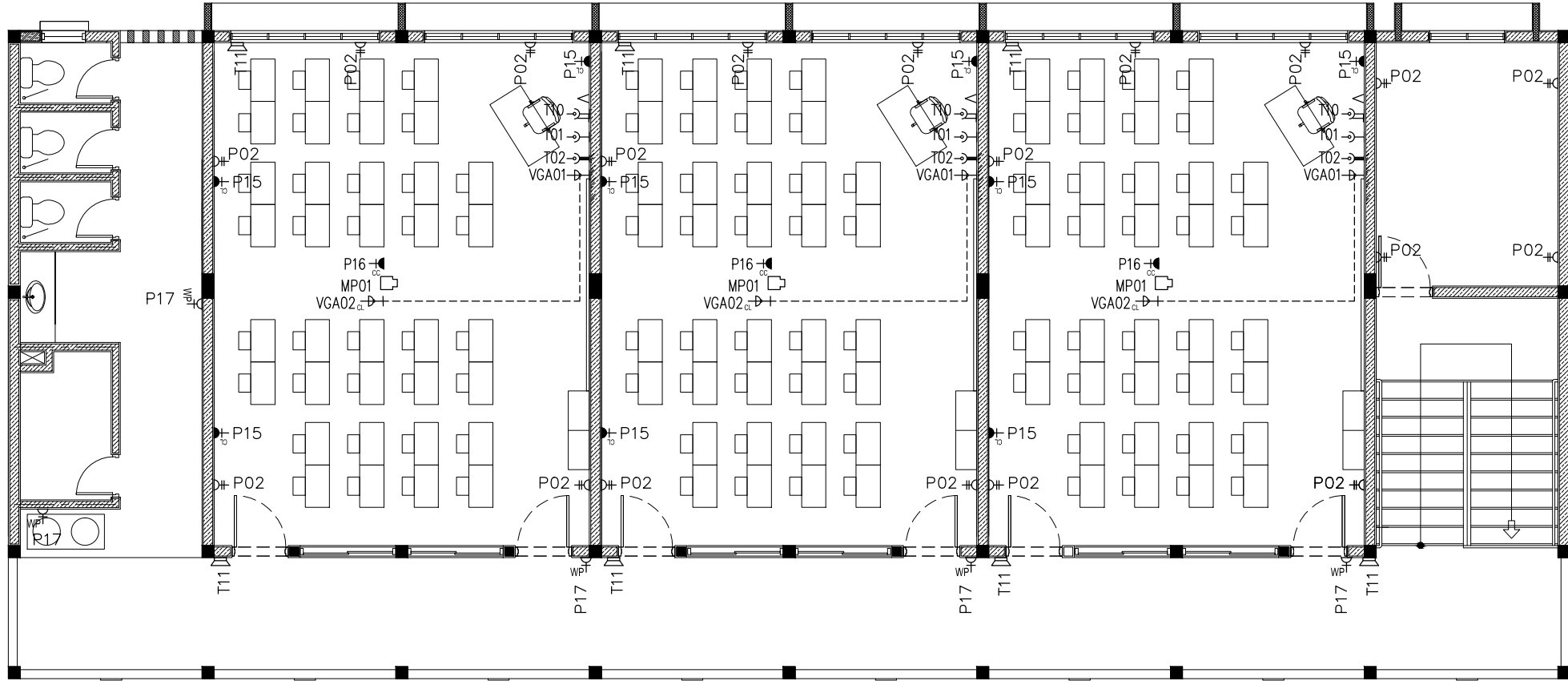
	VGA02	VGA CABLE AT CEILING LEVEL
	T01	PLAIN TELEPHONE OUTLET
	T02	COMPUTER NETWORK OUTLET
	MP01	MULTIMEDIA PROJECTOR
	T10	T.V POINT
	T11	SPEAKER

GROUND FLOOR POWER SOCKET LAYOUT PLAN
SCALE 1:100

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PRECEDENCE OVER
SCALE READINGS



REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: PROPOSED 9 CLASS ROOM BLOCK	E-03
	ENGINEER: MOHAMED AHSAN	LOCATION: HDH. VAIKARADHOO, HDH ATOLL SCHOOL	
	SERVICES ENG:	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: ASFAN AHMED	SCALE: AS GIVEN DIMENSION: MM DATE: FEBRUARY 2016	
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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
	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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BEFORE STARTING
ANY WORK OR SHOP
DRAWINGS. FIGURED
DIMENSIONS TO TAKE
PRECEDENCE OVER
SCALE READINGS

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REVISION:

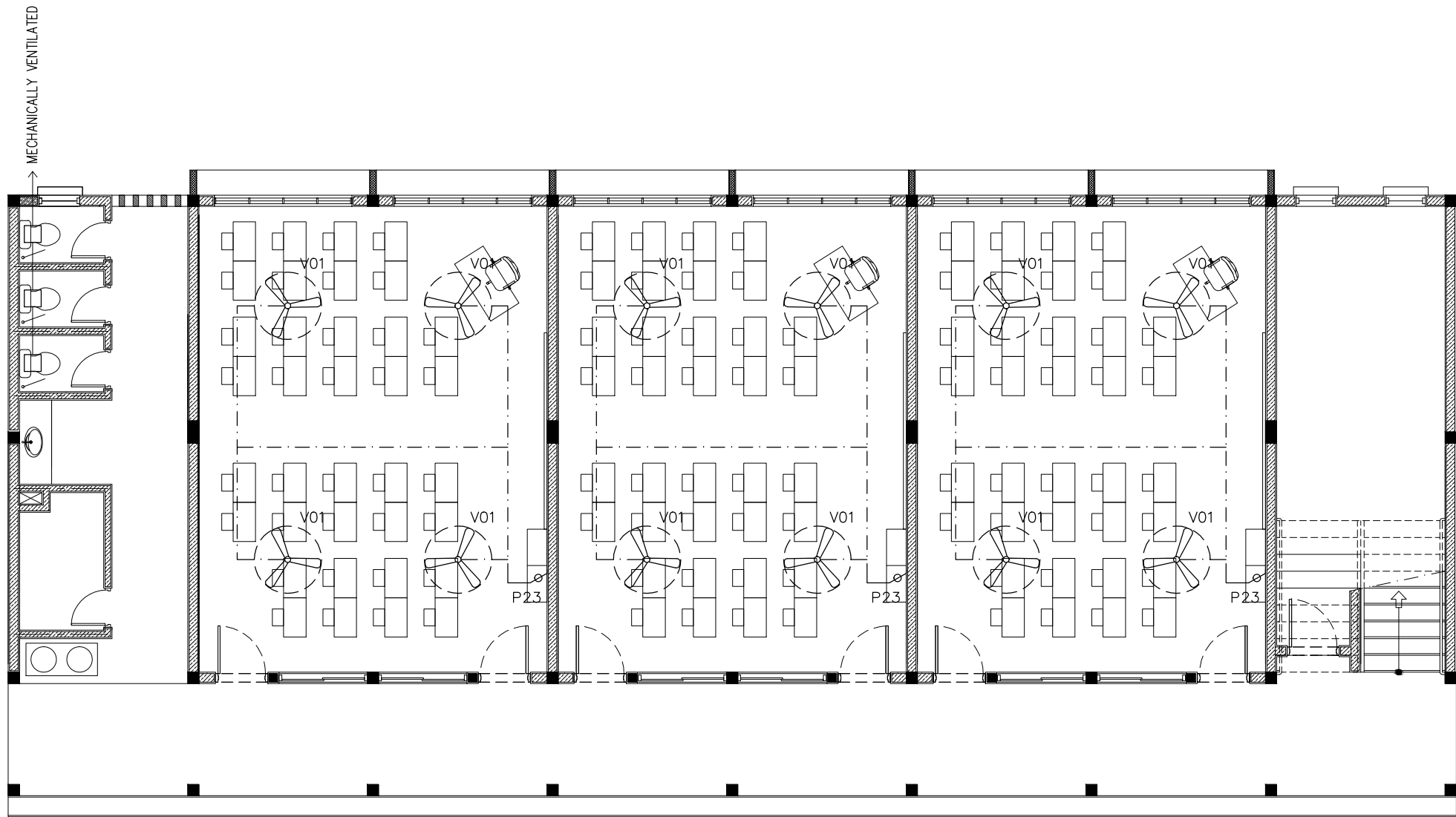
ARCHITECT: MOHAMED HAMEEN
ENGINEER: MOHAMED AHSAN
SERVICES ENG:
ESTIMATOR:
DRAWN BY: ASFAN AHMED

PROJECT: PROPOSED 9 CLASS ROOM BLOCK
LOCATION: HDH. VAIKARADHOO, HDH ATOLL SCHOOL
DRAWING TITLE: AS GIVEN
CLIENT: MINISTRY OF EDUCATION
SCALE: AS GIVEN DIMENSION: MM DATE: FEBRUARY 2016

E-04

DWG NO
PROJECT NO.: 15-041

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LEGEND

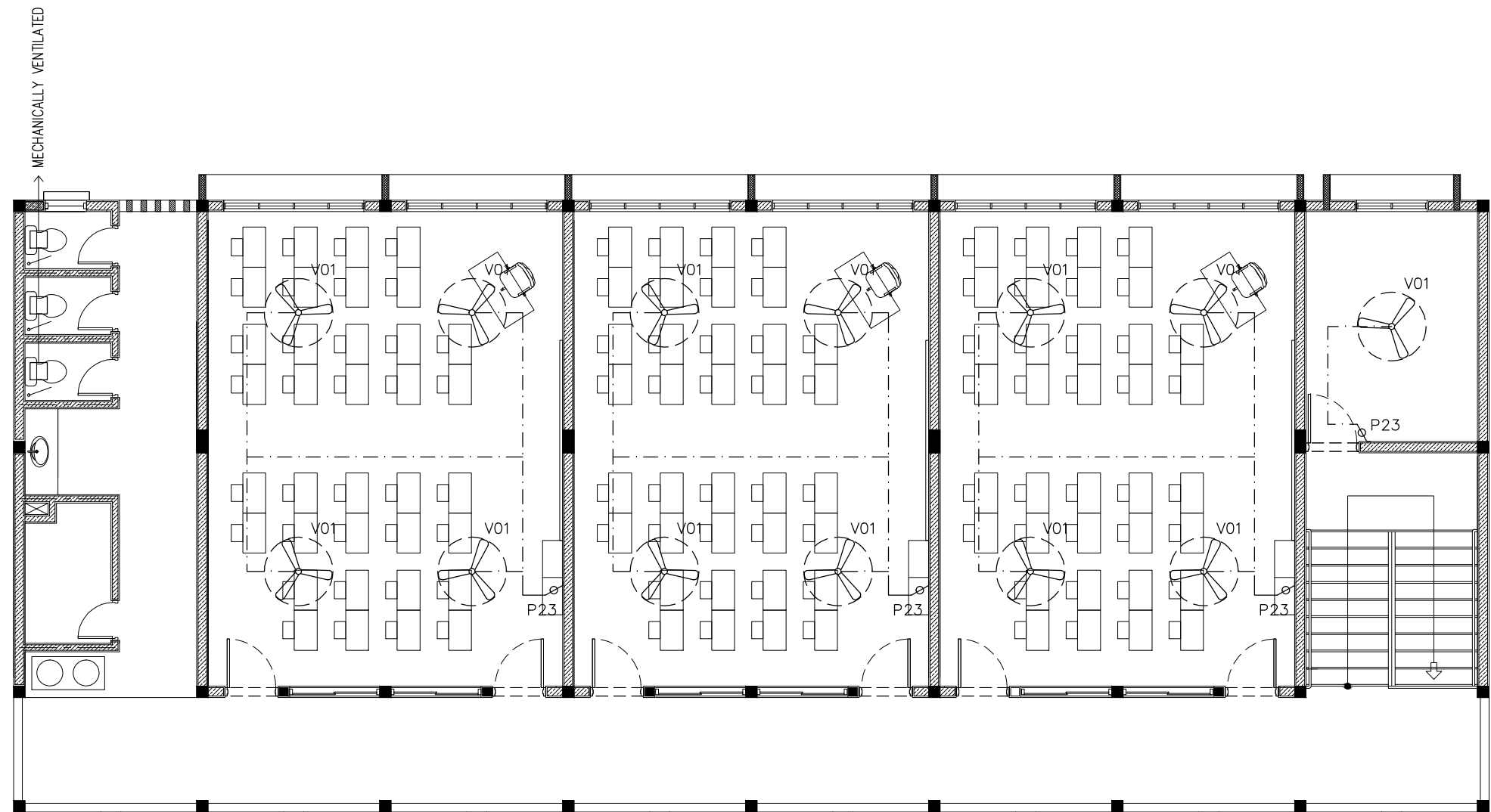
ϕ	P23	FAN / LIGHT DIMMER SWITCH
	V01b	DIA. 1200 CEILING FAN

GROUND FLOOR FAN LAYOUT PLAN
SCALE 1:100

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REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: PROPOSED 9 CLASS ROOM BLOCK	E-05
	ENGINEER: MOHAMED AHSAN	LOCATION: HDH. VAIKARADHOO, HDH ATOLL SCHOOL	
	SERVICES ENG:	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: ASFAN AHMED	SCALE: AS GIVEN DIMENSION: MM DATE: FEBRUARY 2016	
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			DWG NO
			PROJECT NO.: 15-041



LEGEND

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

1ST/2ND FLOOR FAN LAYOUT PLAN

SCALE 1:100

CONTRACTORS MUST
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REVISION:

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

PROJECT: PROPOSED 9 CLASS ROOM BLOCK
LOCATION: HDH. VAIKARADHOO, HDH ATOLL SCHOOL
DRAWING TITLE: AS GIVEN
CLIENT: MINISTRY OF EDUCATION
SCALE: AS GIVEN DIMENSION: MM DATE: FEBRUARY 2016

E-06

DWG NO
PROJECT NO.: 15-041

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PROPOSED 09 CLASS ROOM BLOCK AT HDH.VAIKARADHOO HDH. ATOLL SCHOOL (3 STOREY)

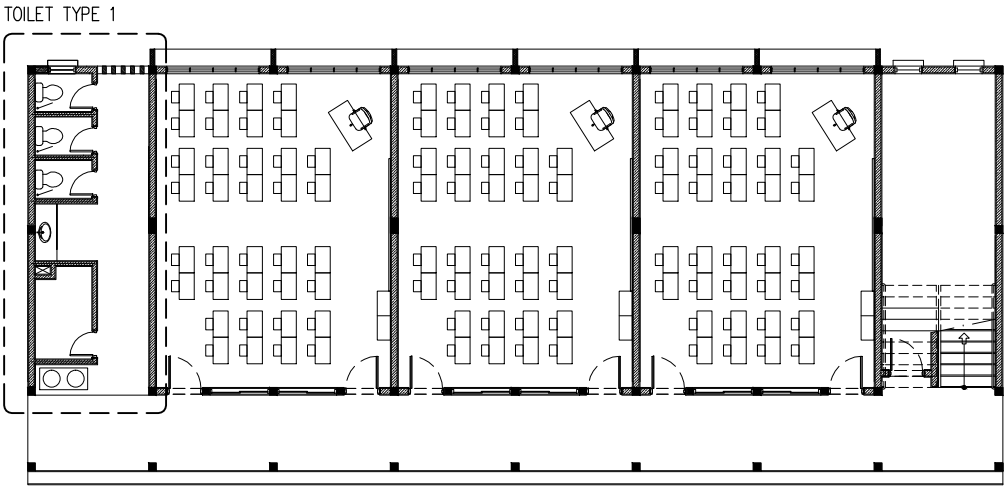
PLUMBING DRAWINGS

FEBRUARY 2016

CLIENT : MINISTRY OF EDUCATION

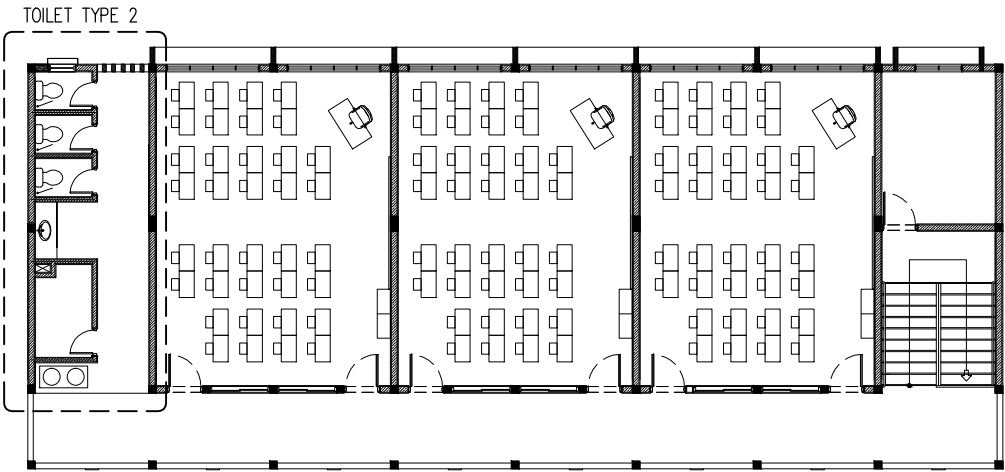
DESIGN BY

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GROUND FLOOR PLUMBING KEY PLAN

SCALE 1:100



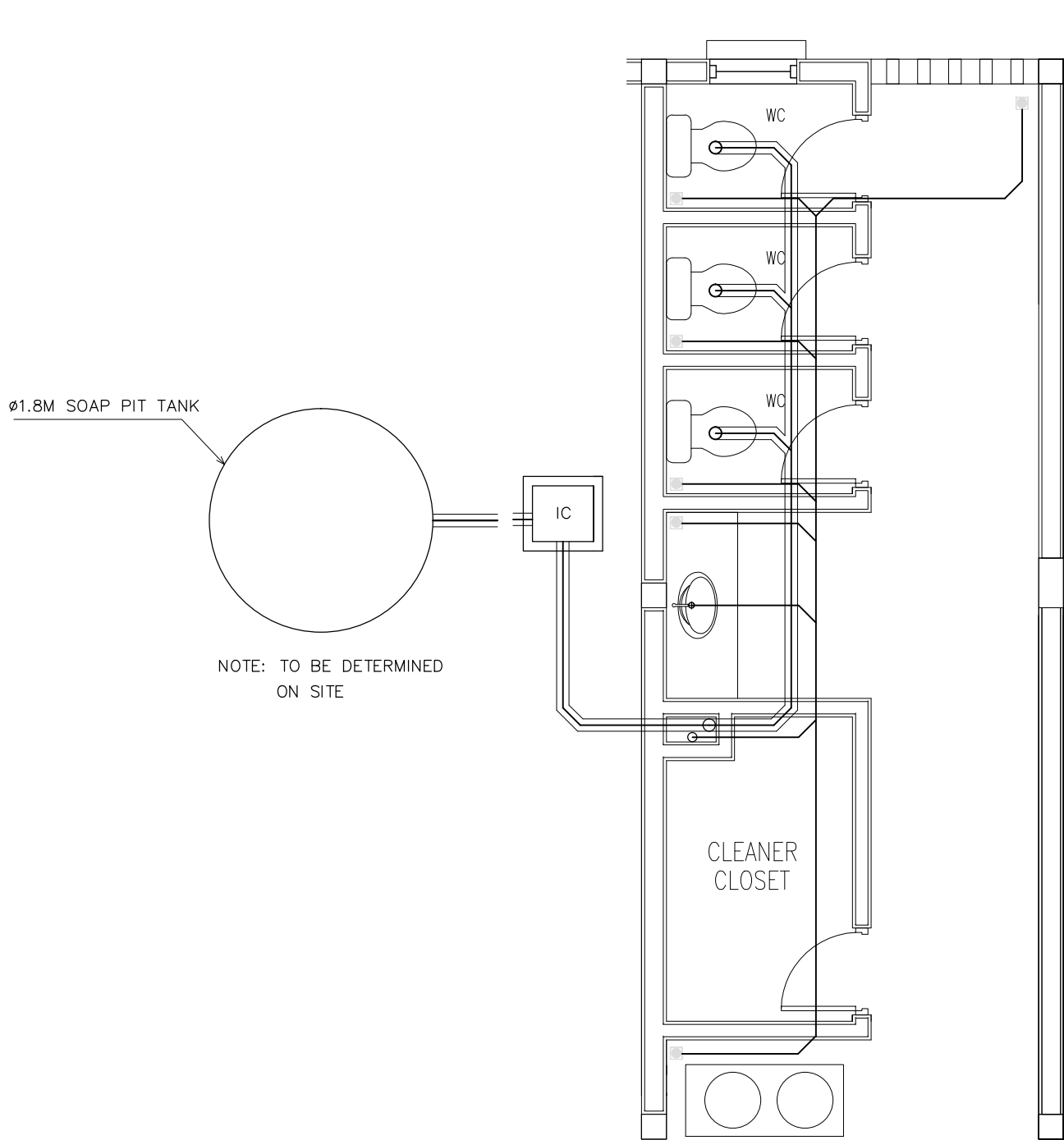
1ST/2ND FLOOR PLUMBING KEY PLAN

SCALE 1:100

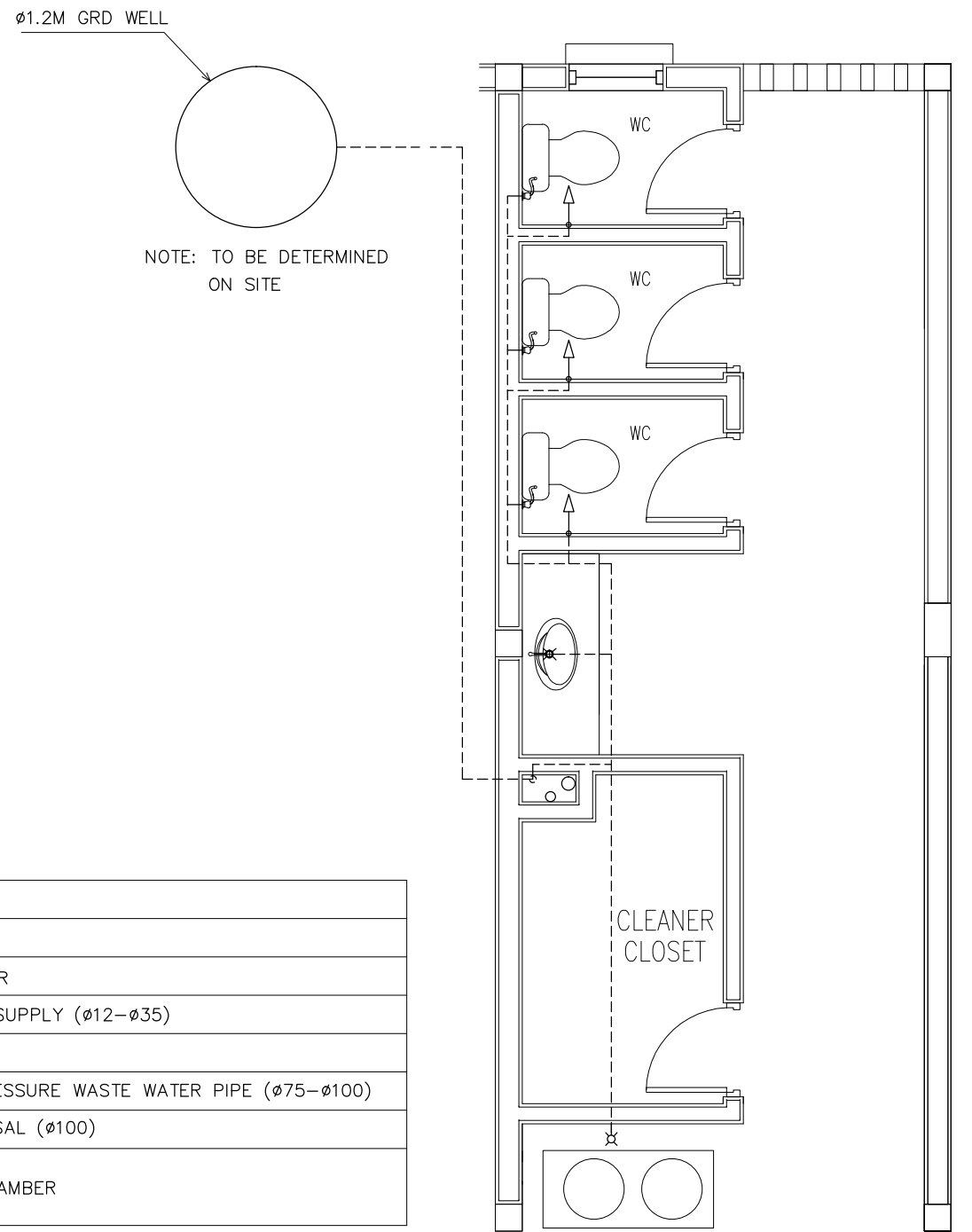
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DRAWINGS.FIGURED
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PRECEDENCE OVER
SCALE READINGS



REVISION:	ARCHITECT:	MOHAMED HAMEEN	PROJECT:			PROPOSED 9 CLASS ROOM BLOCK	P-01			
	ENGINEER:	MOHAMED AHSAN	LOCATION:			HDH. VAIKARADHOO, HDH ATOLL SCHOOL				
	SERVICES ENG:		DRAWING TITLE:			AS GIVEN				
	ESTIMATOR:		CLIENT:			MINISTRY OF EDUCATION				
	DRAWN BY:	ASFAN AHMED	SCALE:	AS GIVEN	DIMENSION:	MM	DATE:	FEBRUARY 2016	DWG NO	
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SEWAGE AND WASTE DISPOSAL
PLAN (TOILET TYPE 1)
SCALE 1:50



FRESH WATER SUPPLY PLAN
(TOILET TYPE 1)
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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PRECEDENCE OVER
SCALE READINGS

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REVISION:

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

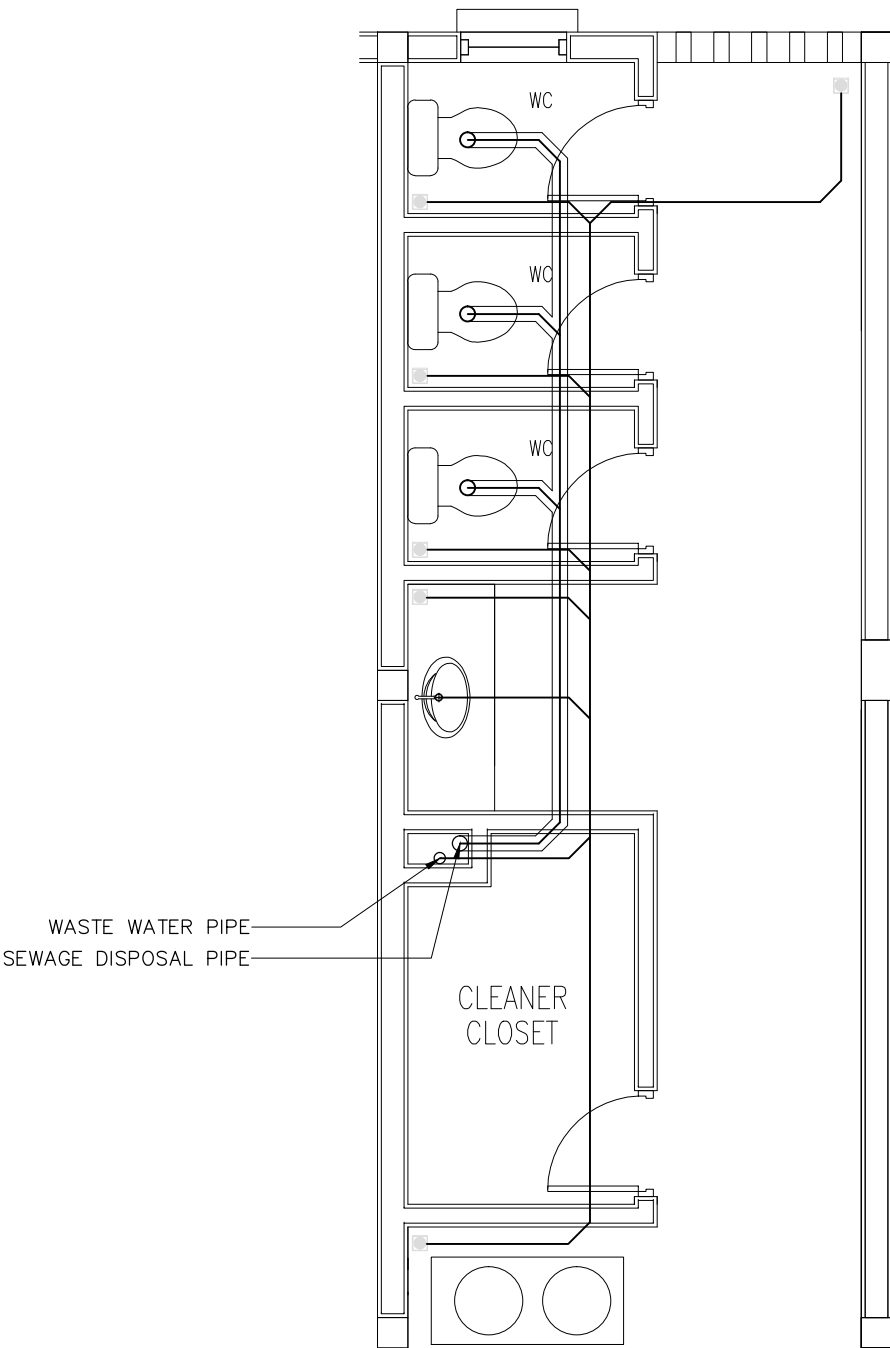
PROJECT: PROPOSED 9 CLASS ROOM BLOCK
LOCATION: HDH. VAIKARADHOO, HDH ATOLL SCHOOL
DRAWING TITLE: AS GIVEN
CLIENT: MINISTRY OF EDUCATION
SCALE: AS GIVEN DIMENSION: MM DATE: FEBRUARY 2016

P-02

DWG NO

PROJECT NO.: 15-041

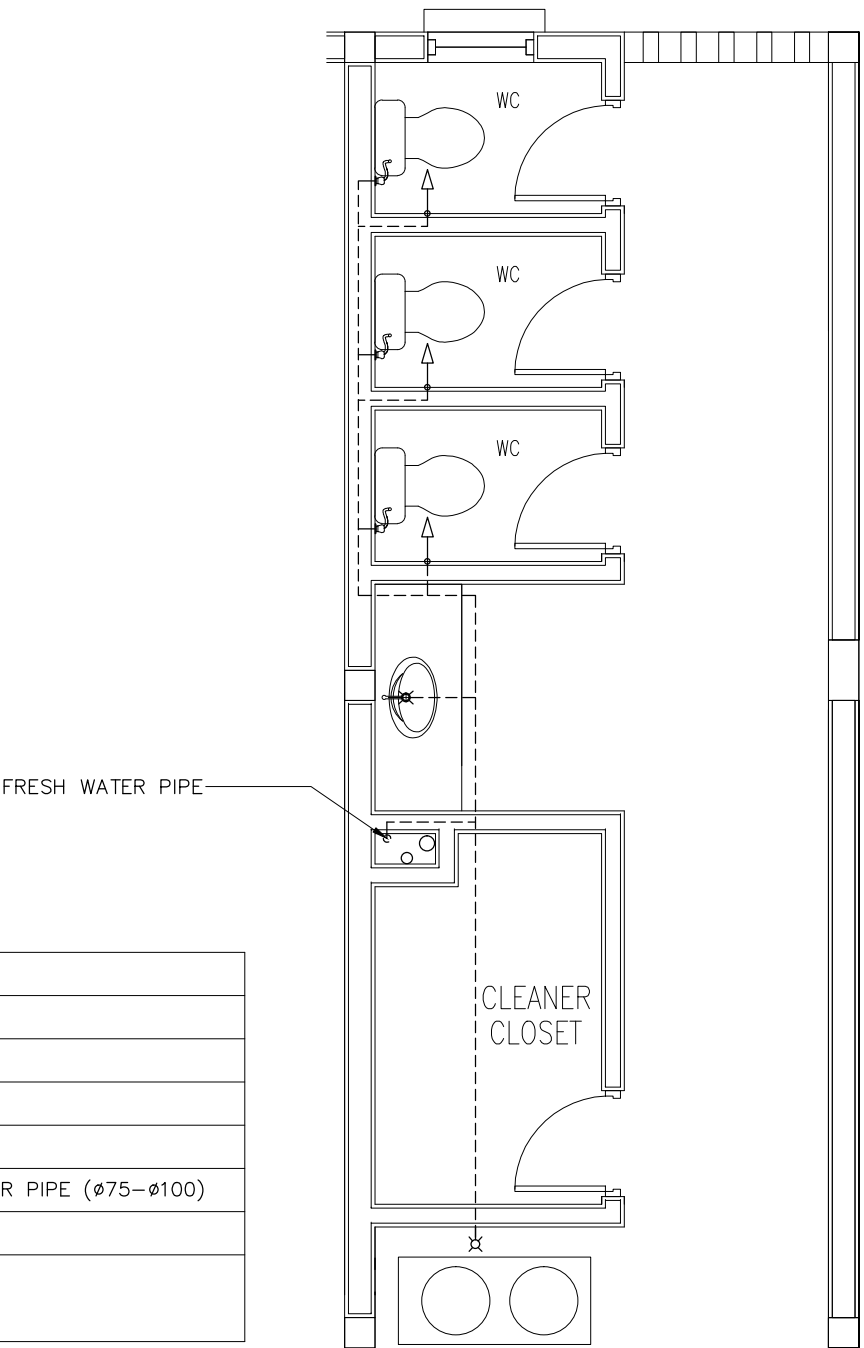
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SEWAGE AND WASTE DISPOSAL
PLAN (TOILET TYPE 1)
SCALE 1:50

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



FRESH WATER SUPPLY PLAN
(TOILET TYPE 1)
SCALE 1:50

CONTRACTORS MUST
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SCALE READINGS



REVISION:

ARCHITECT: MOHAMED HAMEEN

ENGINEER: MOHAMED AHSAN

SERVICES ENG:

ESTIMATOR:

DRAWN BY: ASFAN AHMED

PROJECT: PROPOSED 9 CLASS ROOM BLOCK

LOCATION: HDH. VAIKARADHOO, HDH ATOLL SCHOOL

DRAWING TITLE: AS GIVEN

CLIENT: MINISTRY OF EDUCATION

SCALE: AS GIVEN

DIMENSION: MM

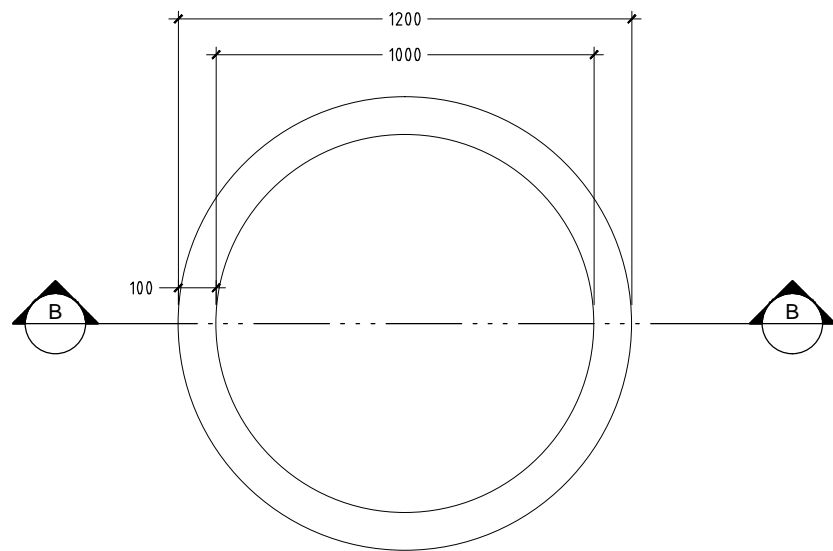
DATE: FEBRUARY 2016

P-03

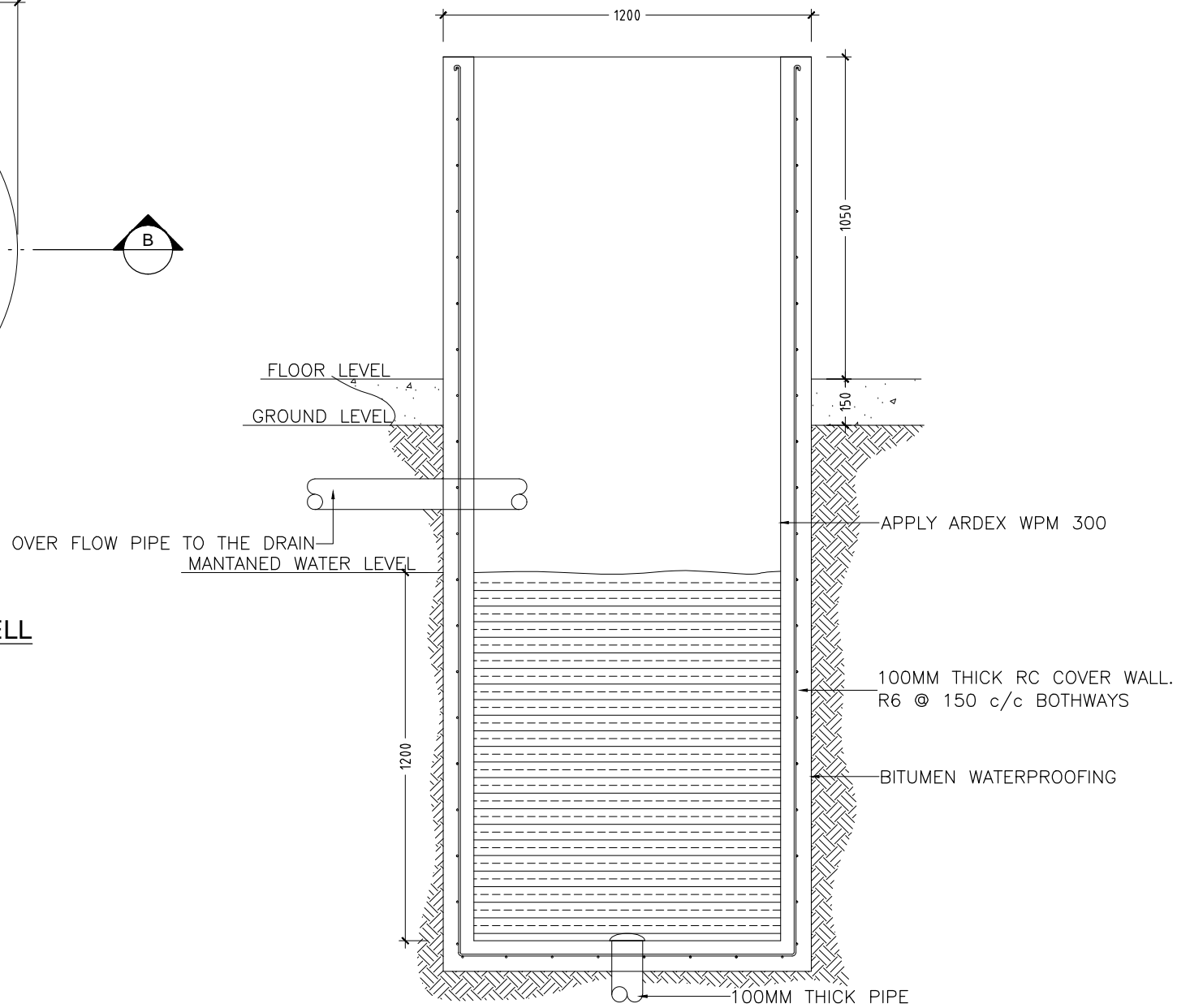
DWG NO

PROJECT NO.: 15-041

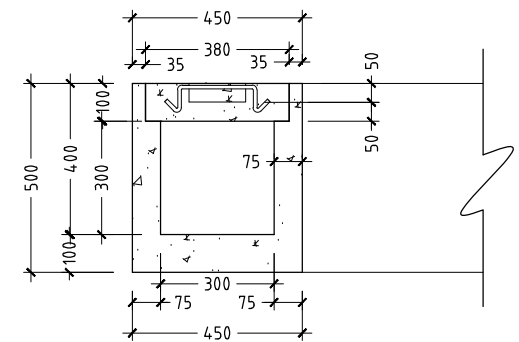
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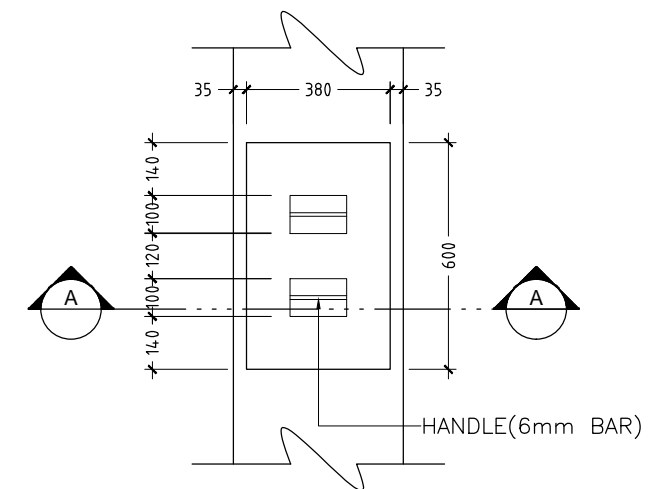
DETAIL B/ PLAN VIEW OF WELL
SCALE 1 : 20



DETAIL B/ SECTION A-A OF WELL
SCALE 1 : 20



DETAIL A/ SECTION A-A
SCALE 1 : 20

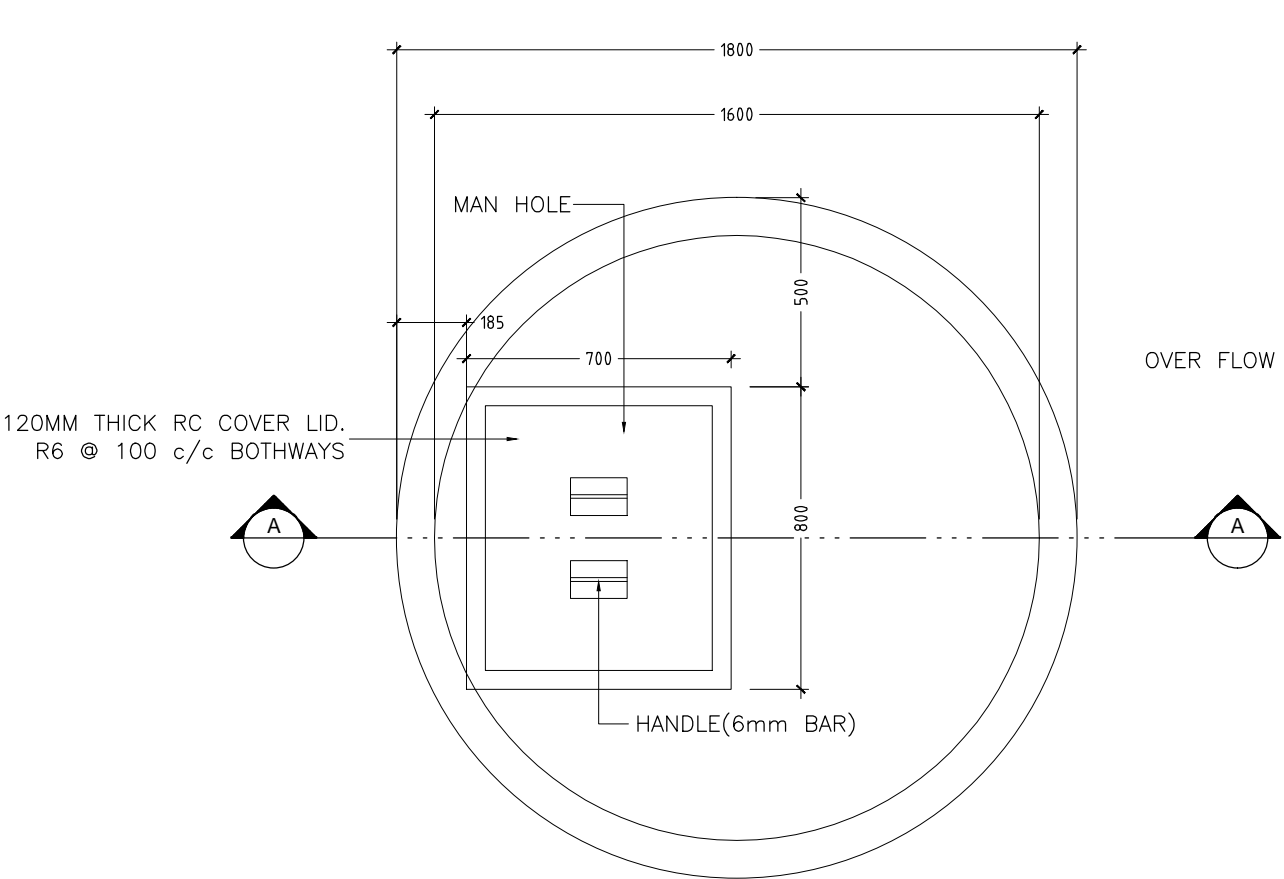


DETAIL A / PLAN VIEW OF INSPECTION POINT
SCALE 1 : 20

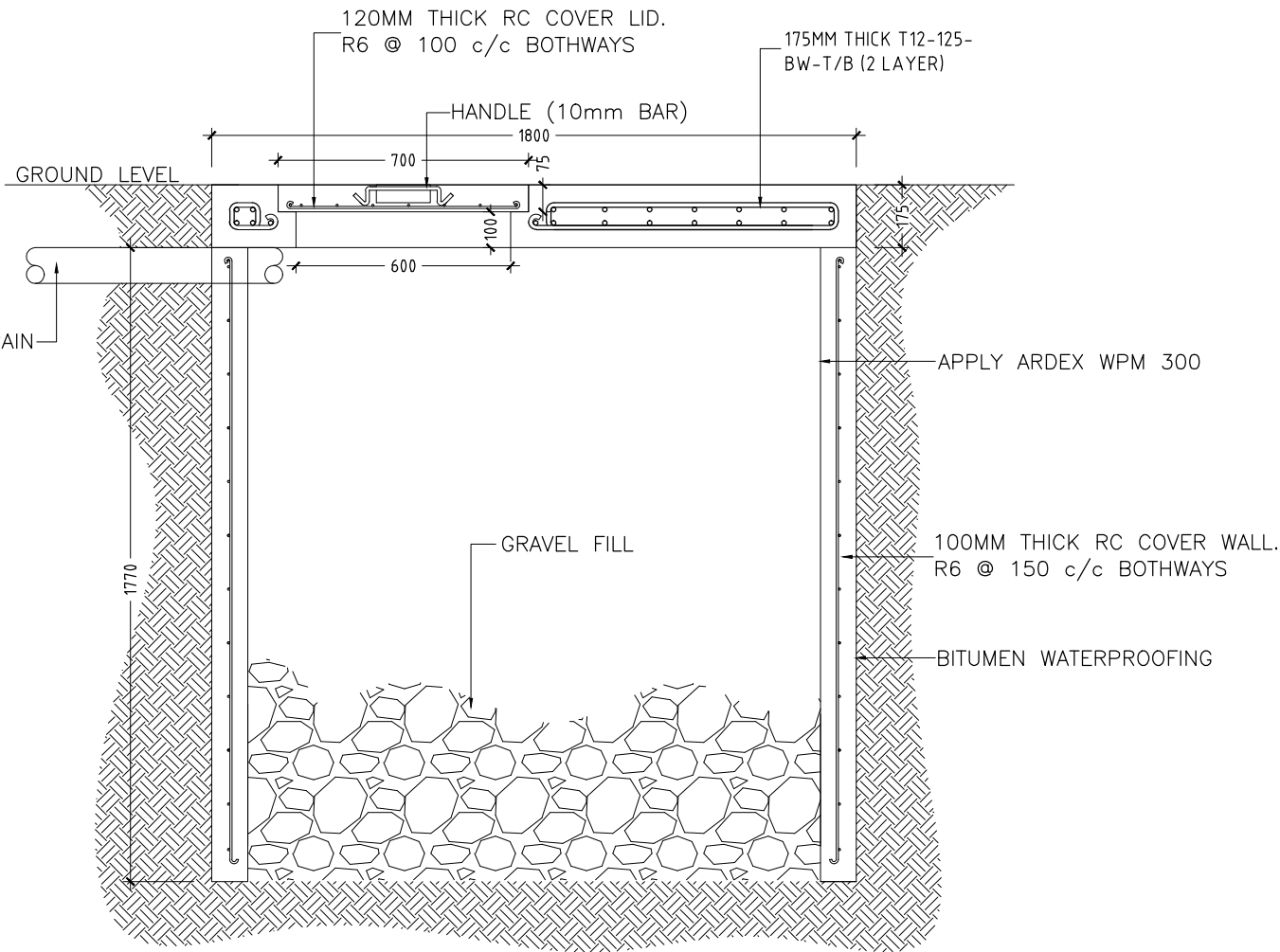
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SCALE READINGS

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REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: PROPOSED 9 CLASS ROOM BLOCK	P-04
	ENGINEER: MOHAMED AHSAN	LOCATION: HDH. VAIKARADHOO, HDH ATOLL SCHOOL	
	SERVICES ENG:	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: ASFAN AHMED	SCALE: AS GIVEN	
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			PROJECT NO.: 15-041



DETAIL A/ PLAN VIEW OF SOAK PIT TANK
SCALE 1 : 20



DETAIL A/ SECTION A-A OF SOAK PIT TANK
SCALE 1 : 20

CONTRACTORS MUST
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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 9 CLASS ROOM BLOCK	P-05
	ENGINEER: MOHAMED AHSAN	LOCATION: HDH. VAIKARADHOO, HDH ATOLL SCHOOL	
	SERVICES ENG:	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: ASFAN AHMED	SCALE: AS GIVEN DIMENSION: MM DATE: FEBRUARY 2016	
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PROPOSED 09 CLASS ROOM BLOCK AT HDH.VAIKARADHOO HDH. ATOLL SCHOOL (3 STOREY)

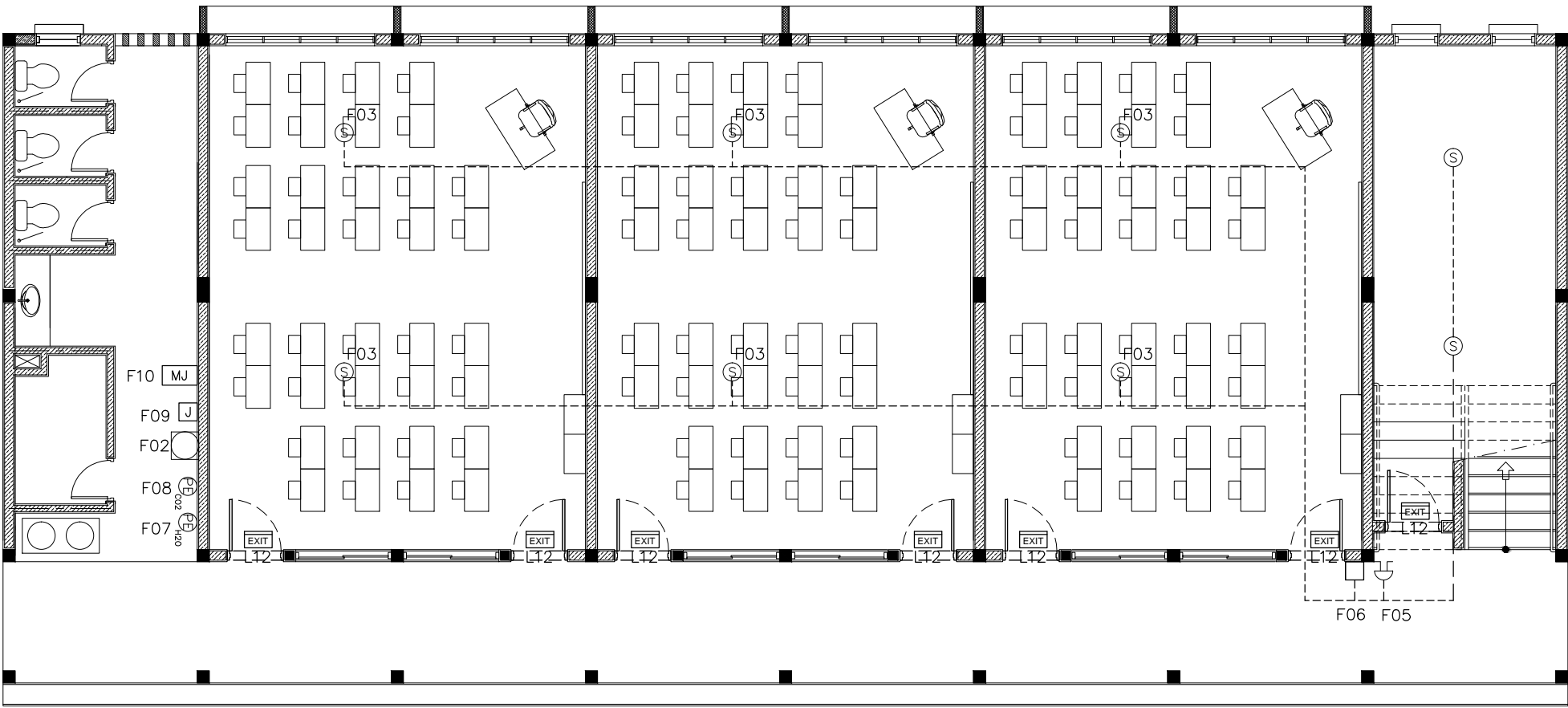
FIRE SAFETY DRAWINGS

FEBRUARY 2016

CLIENT : MINISTRY OF EDUCATION

DESIGN BY

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s t u d i o
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admin@archeng.biz



LEGEND

SYMBOL	CODE	DESCRIPTION
	F02	BREAK GLASS MANUAL CALL POINT
	F03	SMOKE DETECTOR
	F05	FIRE ALARM BELL
	F07	PORTABLE EXTINGUISHER (H2O)
	F08	PORTABLE EXTINGUISHER (CO2)
	F09	JUNCTION BOX
	F10	CONVENTIONAL FIRE ALARM PANEL
	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	PROJECT: PROPOSED 9 CLASS ROOM BLOCK			F-01
	ENGINEER: MOHAMED AHSAN	LOCATION: HDH. VAIKARADHOO, HDH ATOLL SCHOOL			
	SERVICES ENG:	DRAWING TITLE: AS GIVEN			
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION			
	DRAWN BY: ASFAN AHMED	SCALE: AS GIVEN	DIMENSION: MM	DATE: FEBRUARY 2016	
					DWG NO
					PROJECT NO.: 15-041

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LEGEND

SYMBOL	CODE	DESCRIPTION
	F02	BREAK GLASS MANUAL CALL POINT
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	F10	CONVENTIONAL FIRE ALARM PANEL
	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 CHECK ALL DIMENSIONS ON SITE BEFORE STARTING ANY WORK OR SHOP DRAWINGS. FIGURED DIMENSIONS TO TAKE PRECEDENCE OVER SCALE READINGS



REVISION:

REVISION:	ARCHITECT:	MOHAMED HAMEEN	PROJECT:	PROPOSED 9 CLASS ROOM BLOCK		F-02
	ENGINEER:	MOHAMED AHSAN	LOCATION:	HDH. VAIKARADHOO, HDH ATOLL SCHOOL		
	SERVICES ENG:		DRAWING TITLE:	AS GIVEN		
	ESTIMATOR:		CLIENT:	MINISTRY OF EDUCATION		
	DRAWN BY:	ASFAN AHMED	SCALE:	AS GIVEN	DIMENSION:	
				DATE:	FEBRUARY 2016	DWG NO:
						PROJECT NO.: 15-041

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