

PROPOSED 4 CLASS ROOM BLOCK AT GA. NILANDHOO

(2 STOREY)

ARCHITECTURAL & STRUCTURAL DRAWINGS

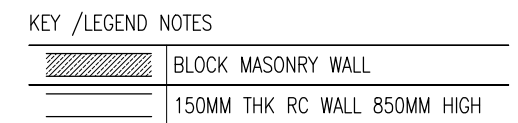
FEBRUARY 2016

CLIENT : MINISTRY OF EDUCATION

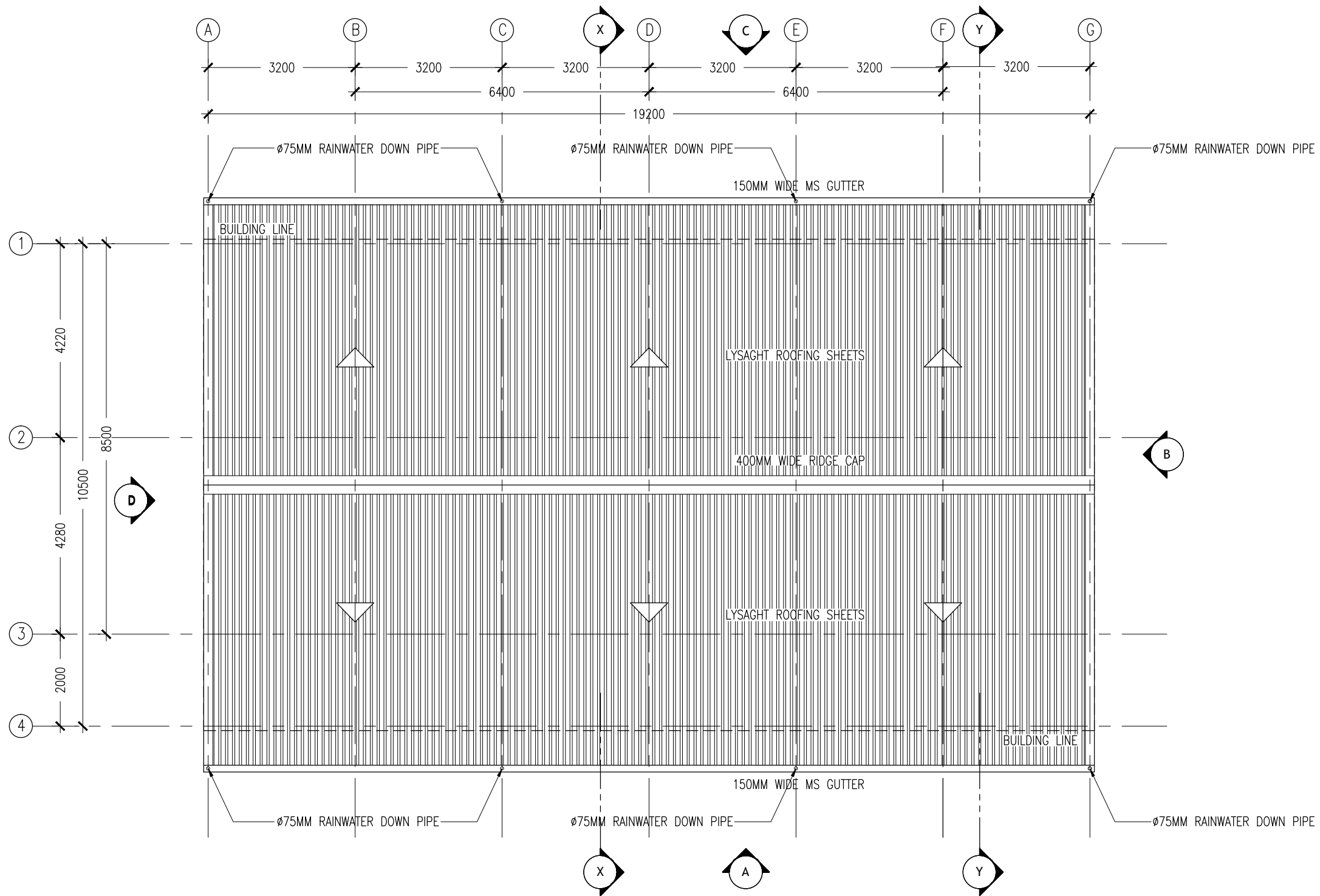
DESIGN BY

ArchEng
s t u d i o

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



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ROOF 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:

SERVICES ENG:

ESTIMATOR:

DRAWN BY: ASFAN AHMED

PROJECT: PROPOSED 04 CLASS ROOM BLOCK (02 STOREY)

LOCATION: GA. NILANDHOO

DRAWING TITLE: AS GIVEN

CLIENT: MINISTRY OF EDUCATION

SCALE: AS GIVEN

DIMENSION: MM

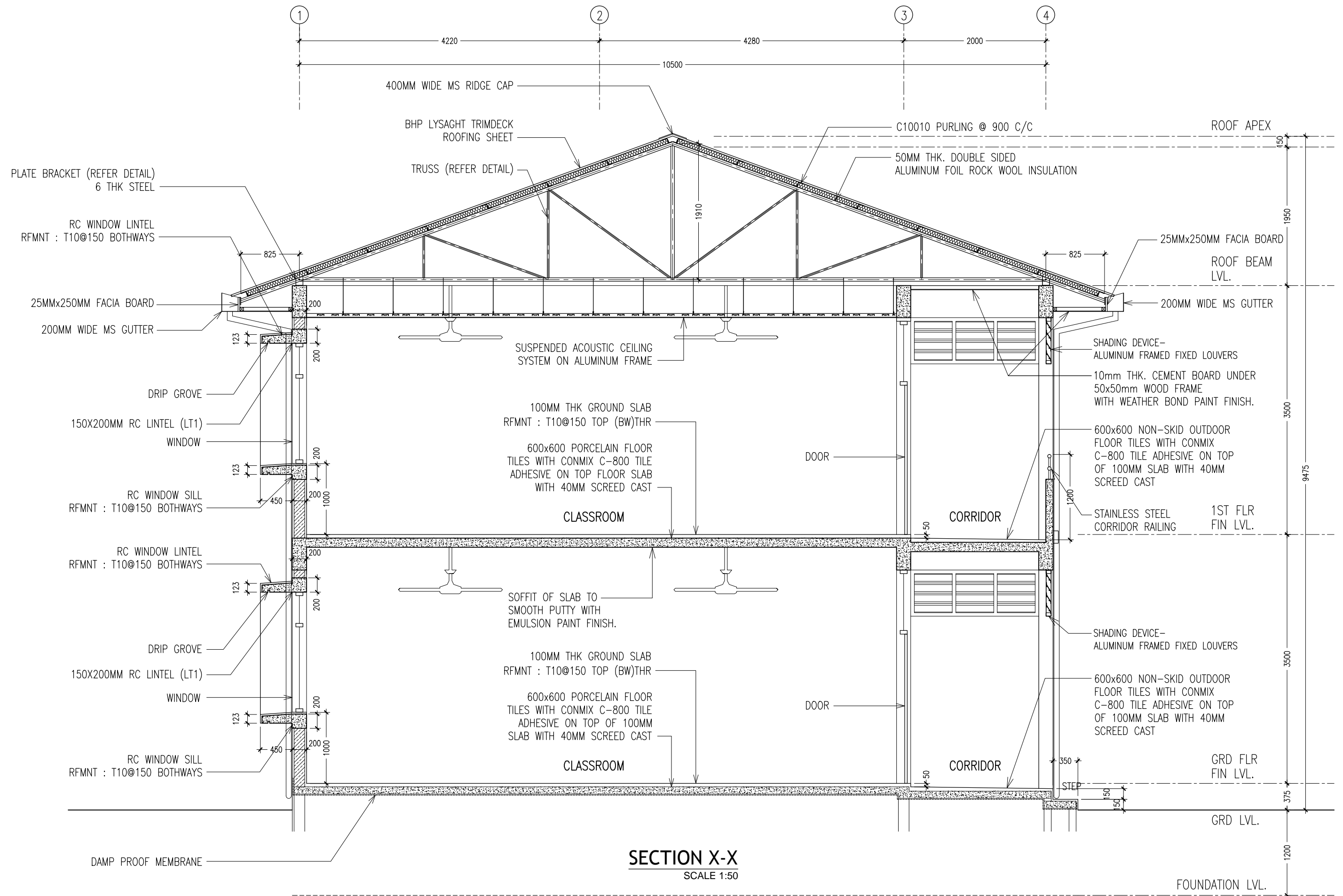
DATE: FEBRUARY 2016

A-03

DWG NO

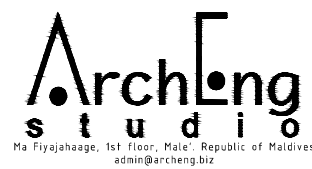
PROJECT NO.: 15-041

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SECTION X-X
SCALE 1:50

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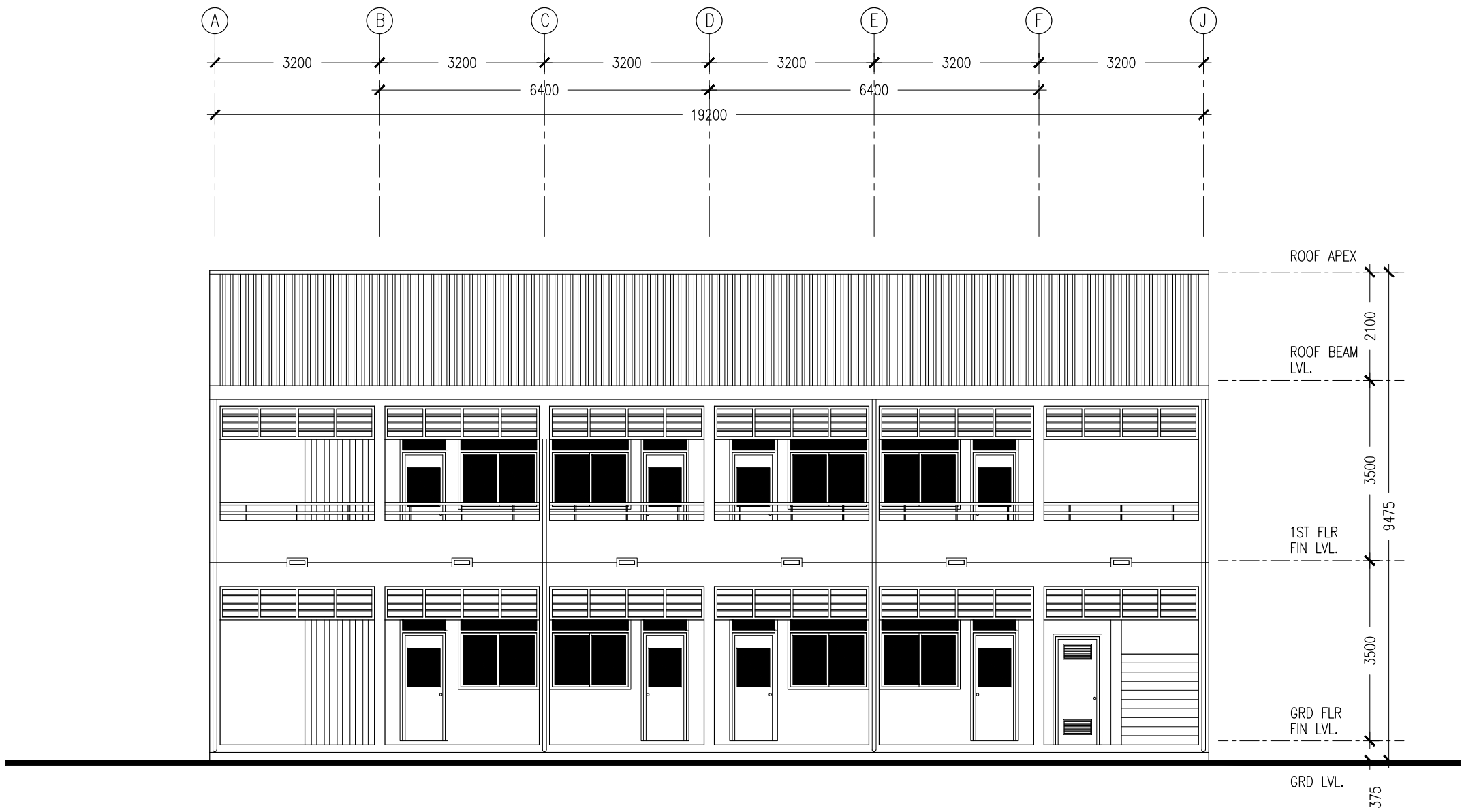


REVISION:	

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

PROJECT:	PROPOSED 04 CLASS ROOM BLOCK (02 STOREY)
LOCATION:	GA. NILANDHOO
DRAWING TITLE:	AS GIVEN
CLIENT:	MINISTRY OF EDUCATION
SCALE:	AS GIVEN
DIMENSION:	MM
DATE:	FEBRUARY 2016

A-04
DWG NO
PROJECT NO.: 15-041



ELEVATION - A
SCALE 1:100

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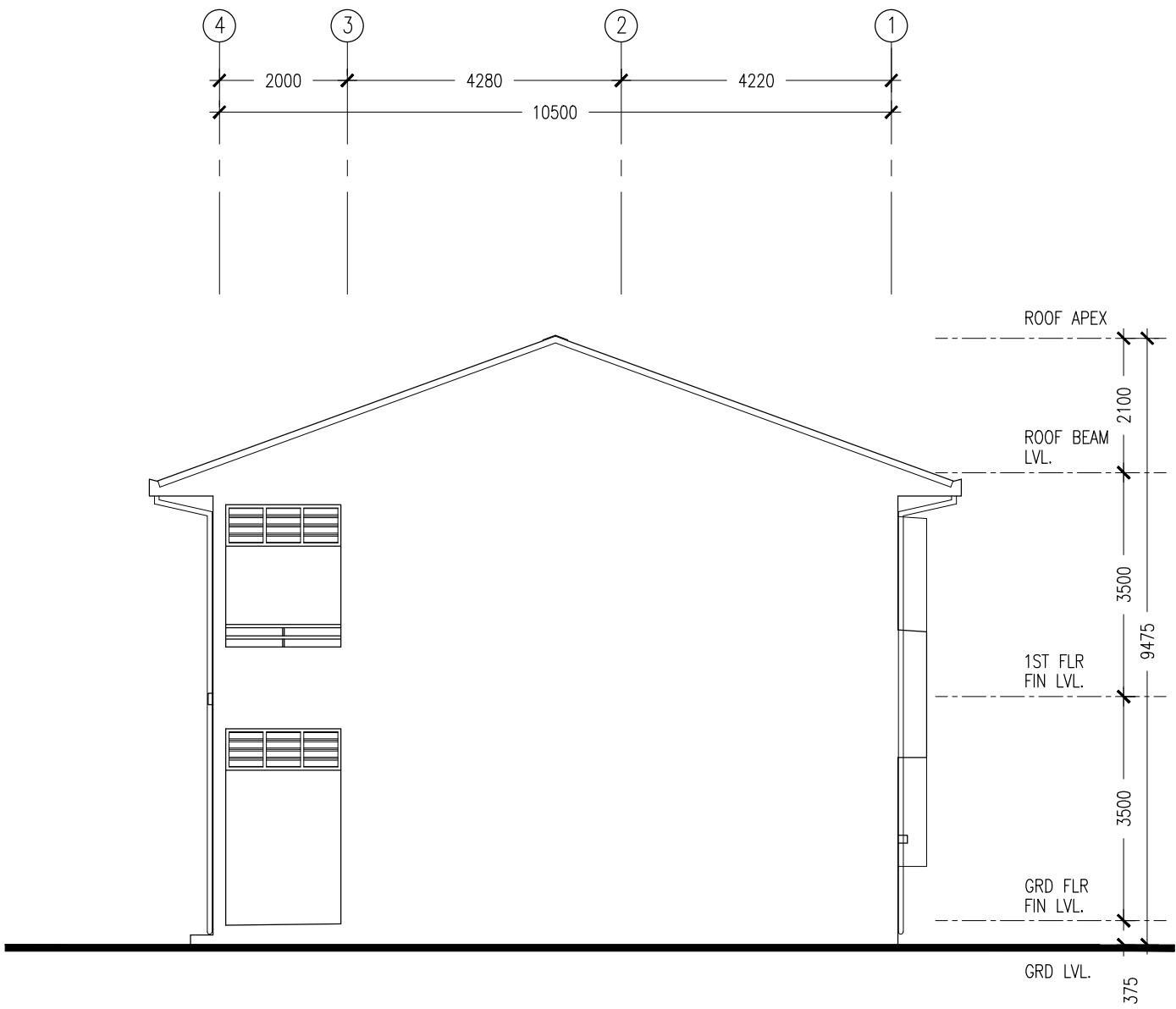
REVISION:

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

PROJECT: PROPOSED 04 CLASS ROOM BLOCK (02 STOREY)
LOCATION: GA. NILANDHOO
DRAWING TITLE: AS GIVEN
CLIENT: MINISTRY OF EDUCATION
SCALE: AS GIVEN DIMENSION: MM DATE: FEBRUARY 2016

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

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ELEVATION - B
SCALE 1:100

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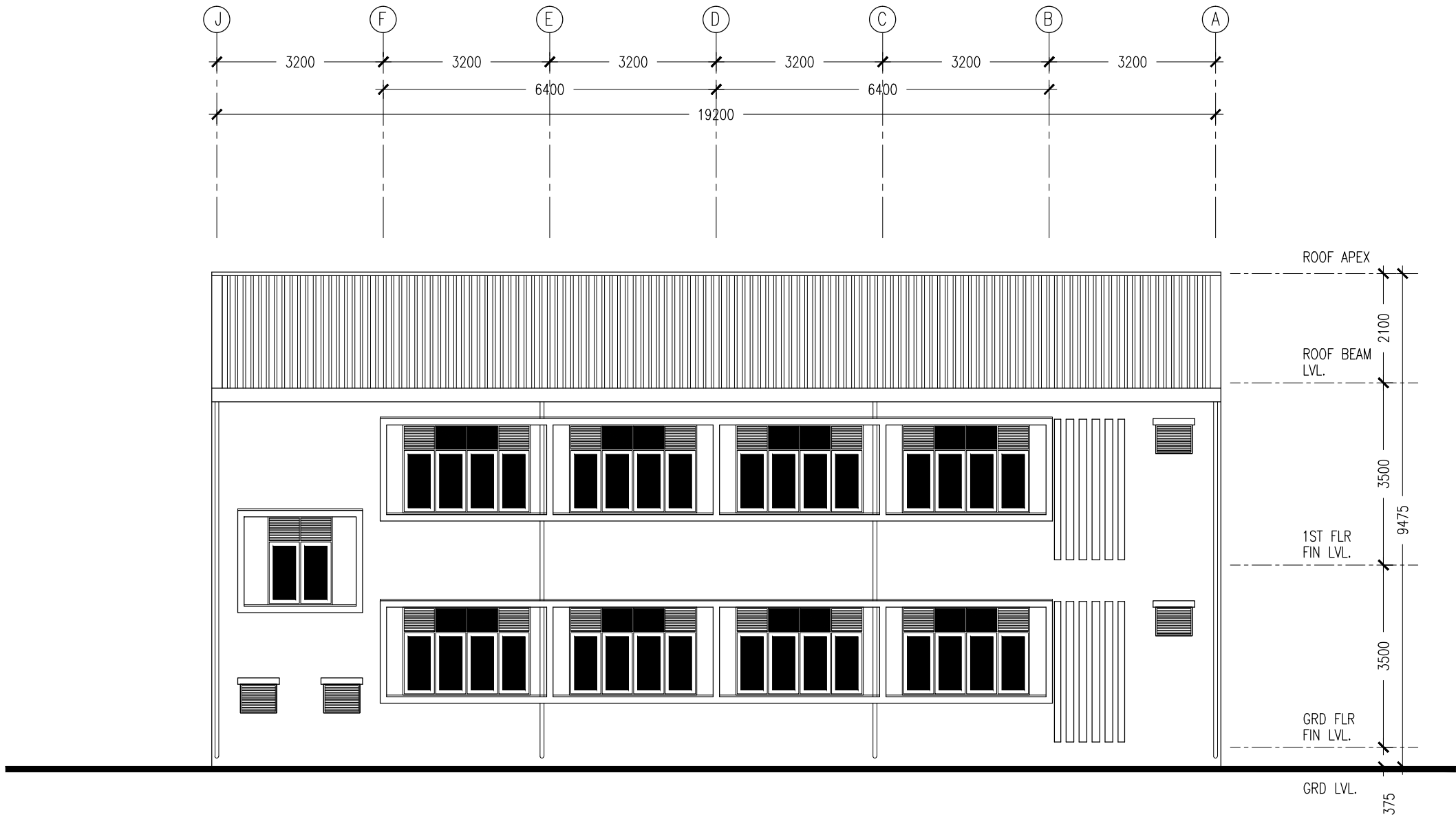
ARCHITECT: MOHAMED HAMEEN
ENGINEER:
SERVICES ENG:
ESTIMATOR:
DRAWN BY: ASFAN AHMED

PROJECT: PROPOSED 04 CLASS ROOM BLOCK (02 STOREY)
LOCATION: GA. NILANDHOO
DRAWING TITLE: AS GIVEN
CLIENT: MINISTRY OF EDUCATION
SCALE: AS GIVEN DIMENSION: MM DATE: FEBRUARY 2016

A-07

DWG NO
PROJECT NO.: 15-041

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ELEVATION - C
SCALE 1:100

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PRECEDENCE OVER
SCALE READINGS



REVISION:	

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

PROJECT:	PROPOSED 04 CLASS ROOM BLOCK (02 STOREY)		
LOCATION:	GA. NILANDHOO		
DRAWING TITLE:	AS GIVEN		
CLIENT:	MINISTRY OF EDUCATION		
SCALE:	AS GIVEN	DIMENSION:	MM
		DATE:	FEBRUARY 2016

A-08	DWG NO
	PROJECT NO.: 15-041

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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-6MM ALL FIXED PANELS TO BE DOUBLE GLAZED			C-6MM THICK BLUE TINTED GLASS	C-6MM THICK BLUE TINTED GLASS ALL FIXED PANELS TO BE DOUBLE GLAZED	C-6MM 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 LOUVERS
FAL : FIXED ALUMINUM LOUVERS

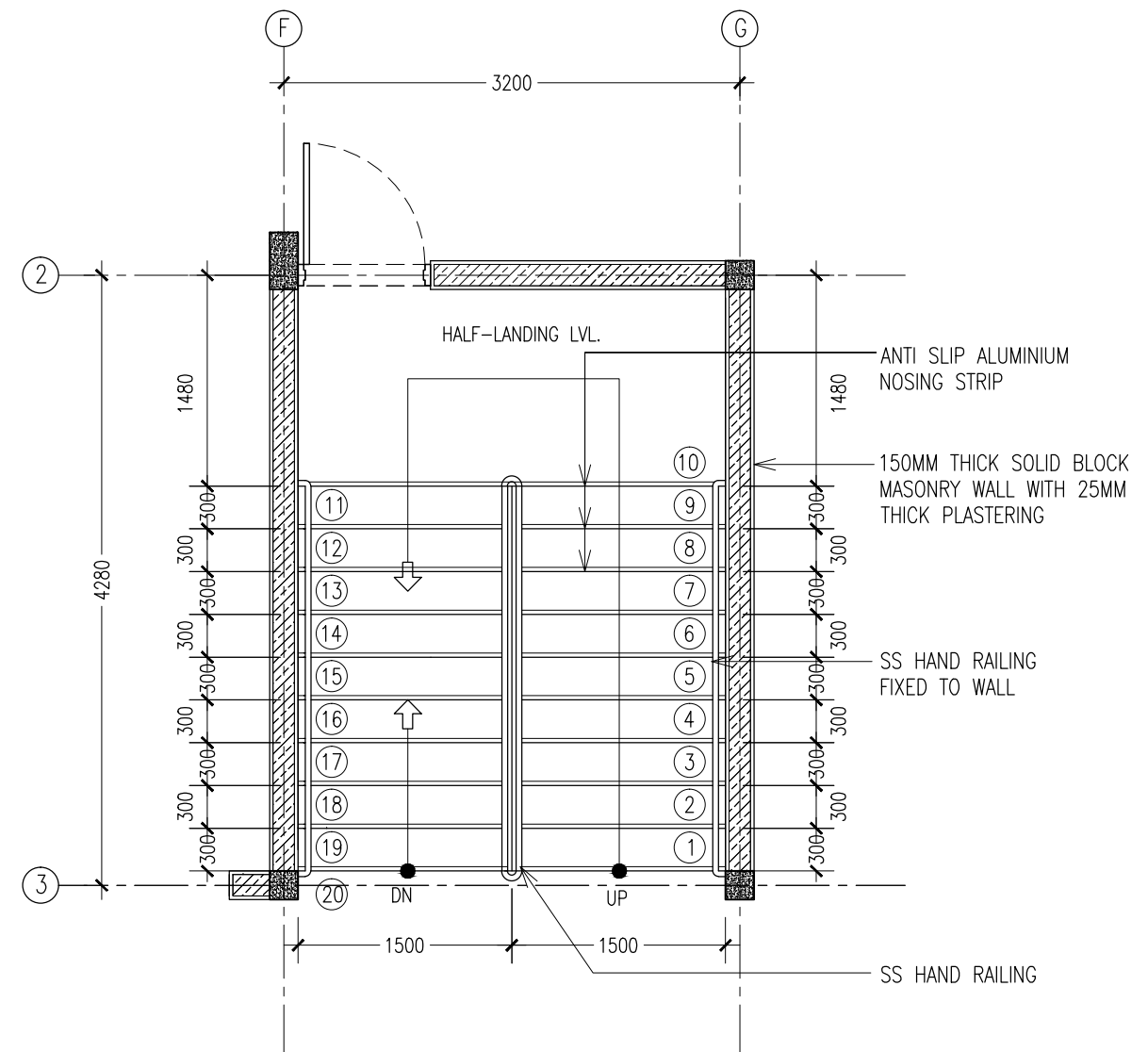
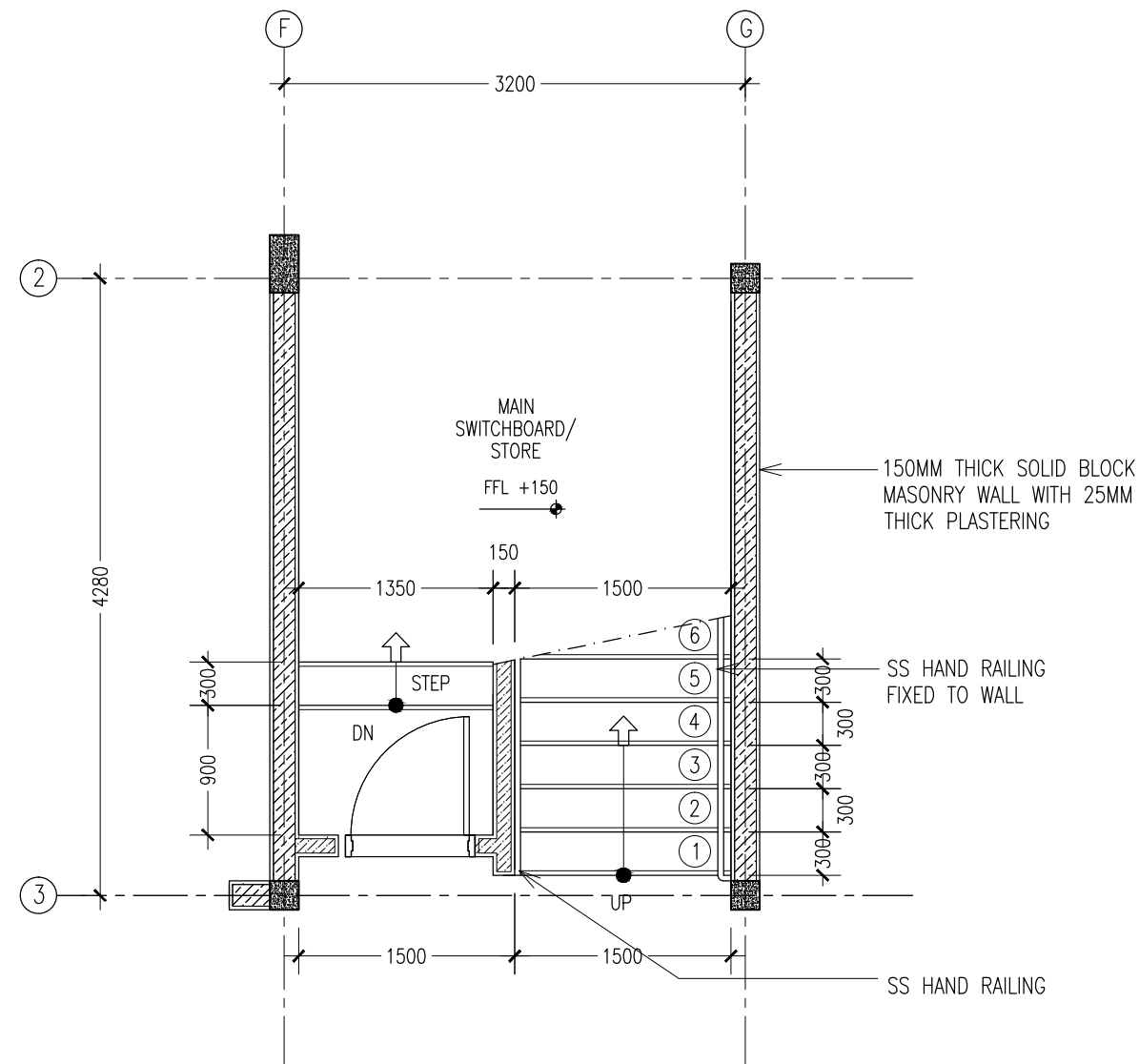
DOOR / WINDOW SCHEDULE

SCALE 1:50

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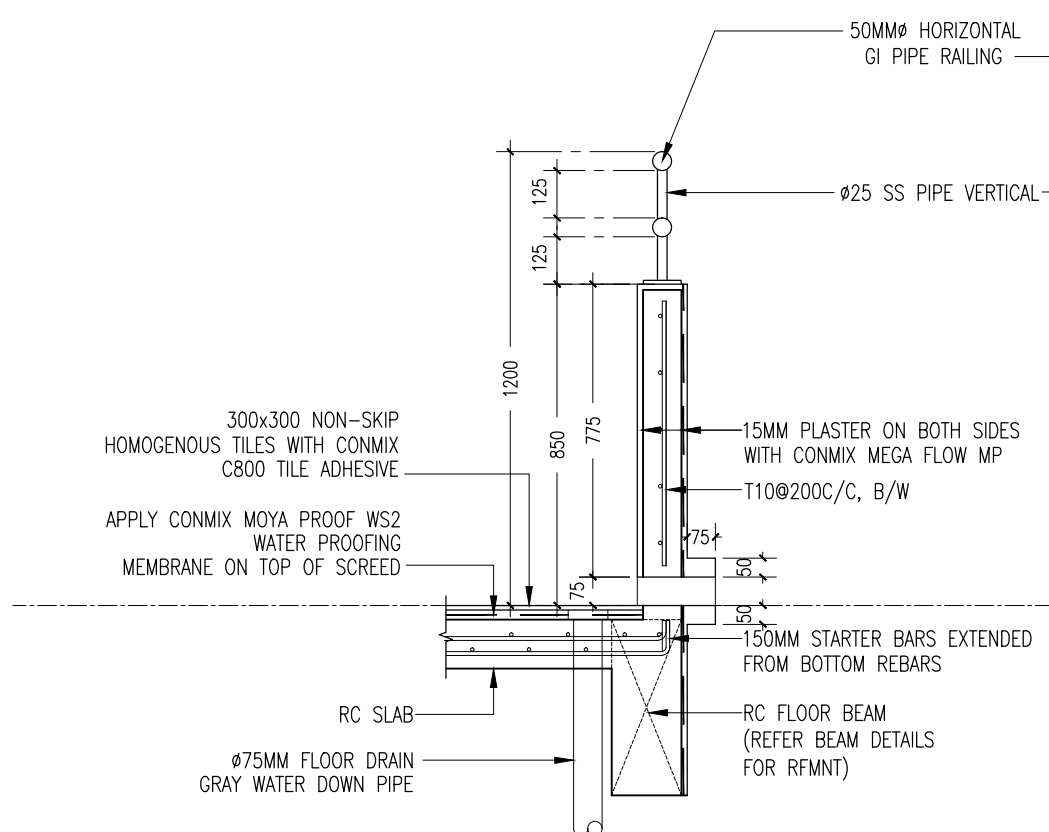
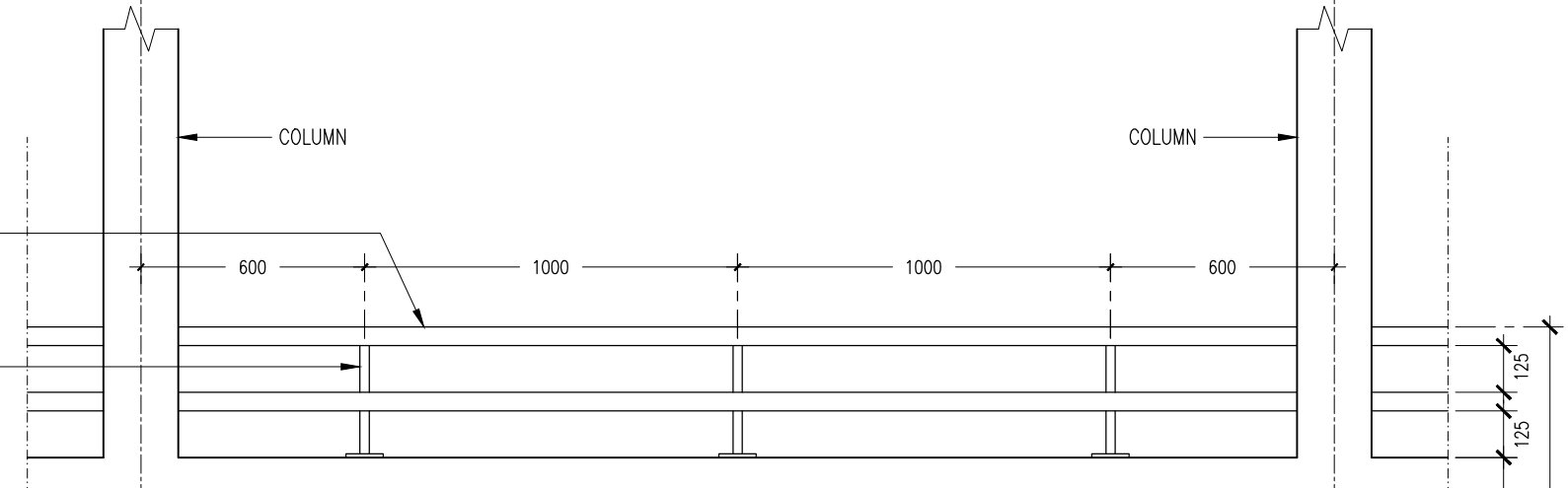
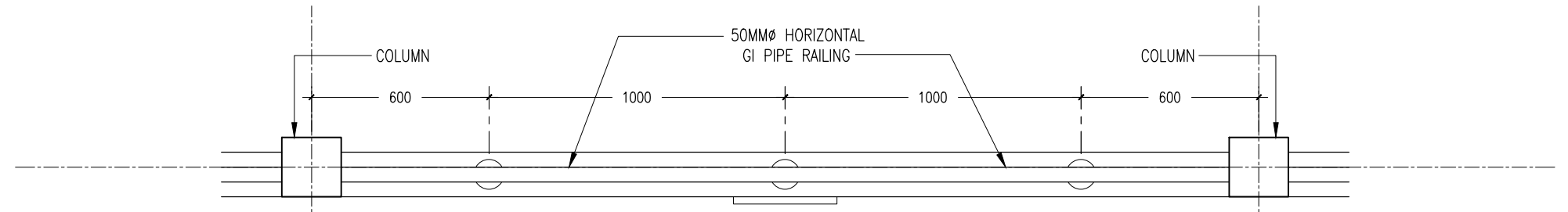
REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: PROPOSED 04 CLASS ROOM BLOCK (02 STOREY)	A-10		
	ENGINEER:	LOCATION: GA. NILANDHOO			
	SERVICES ENG:	DRAWING TITLE: AS GIVEN			
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION			
	DRAWN BY: ASFAN AHMED	SCALE: AS GIVEN	DIMENSION: MM	DATE: FEBRUARY 2016	DWG NO
					PROJECT NO.: 15-041
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REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: PROPOSED 04 CLASS ROOM BLOCK (02 STOREY)	A-11
	ENGINEER:	LOCATION: GA. NILANDHOO	
	SERVICES ENG:	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: ASFAN AHMED	SCALE: AS GIVEN	
		DIMENSION: MM	DATE: FEBRUARY 2016
PROJECT NO.: 15-041			
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TYPICAL BALCONY PARAPET WALL

SCALE 1:20

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REVISION:

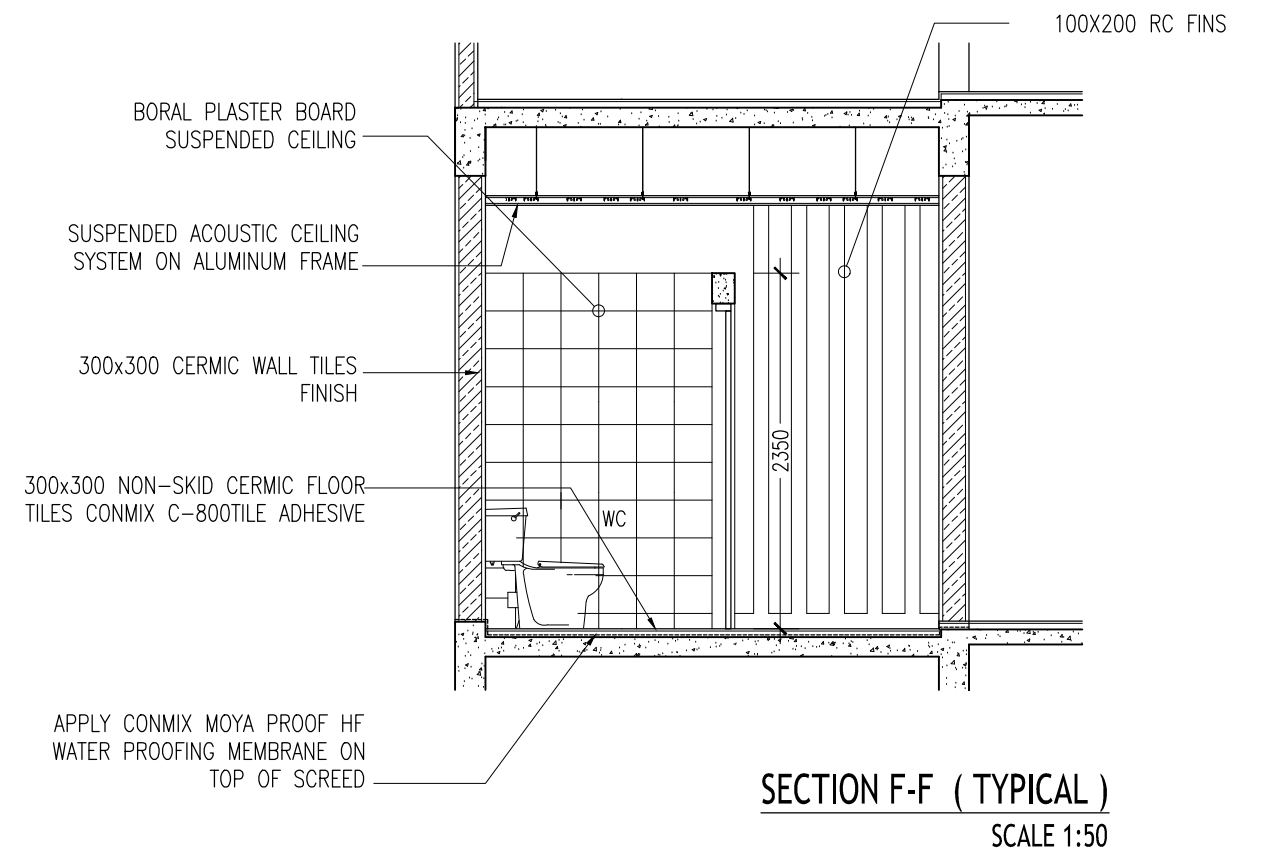
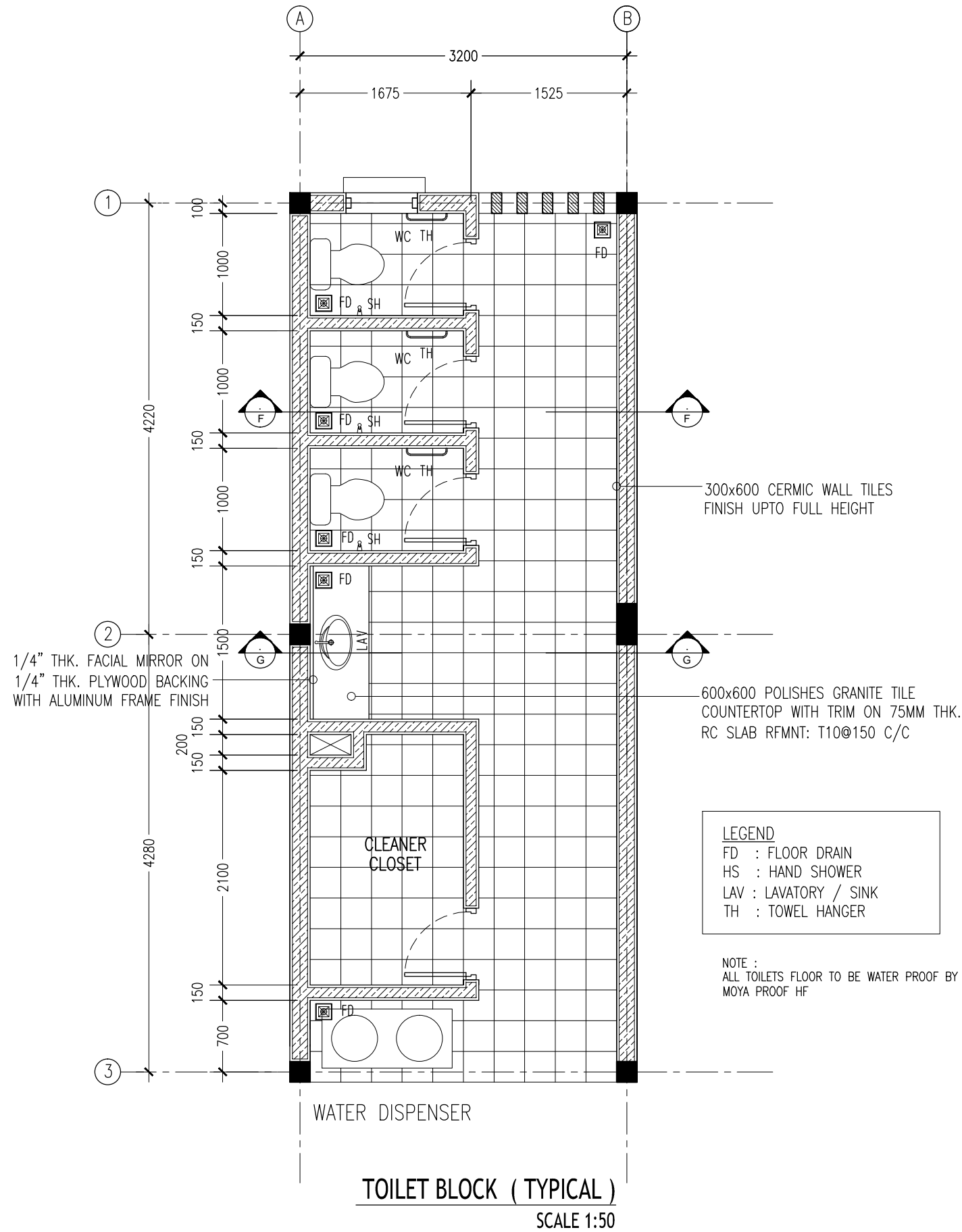
ARCHITECT: MOHAMED HAMEEN
ENGINEER:
SERVICES ENG:
ESTIMATOR:
DRAWN BY: ASFAN AHMED

PROJECT: PROPOSED 04 CLASS ROOM BLOCK (02 STOREY)
LOCATION: GA, NILANDHOO
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CLIENT: MINISTRY OF EDUCATION
SCALE: AS GIVEN DIMENSION: MM DATE: FEBRUARY 2016

A-12

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PROJECT NO.: 15-041

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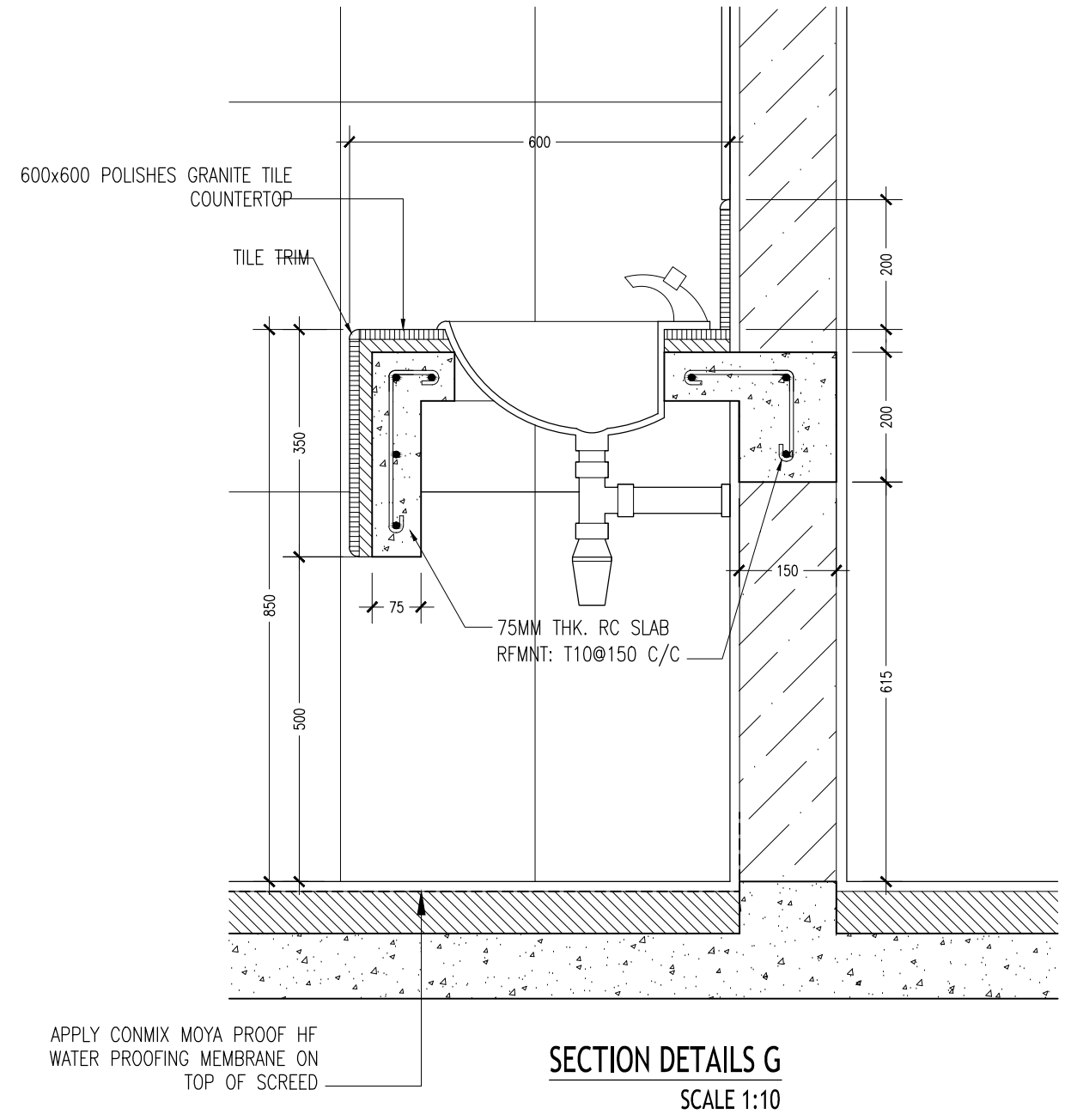
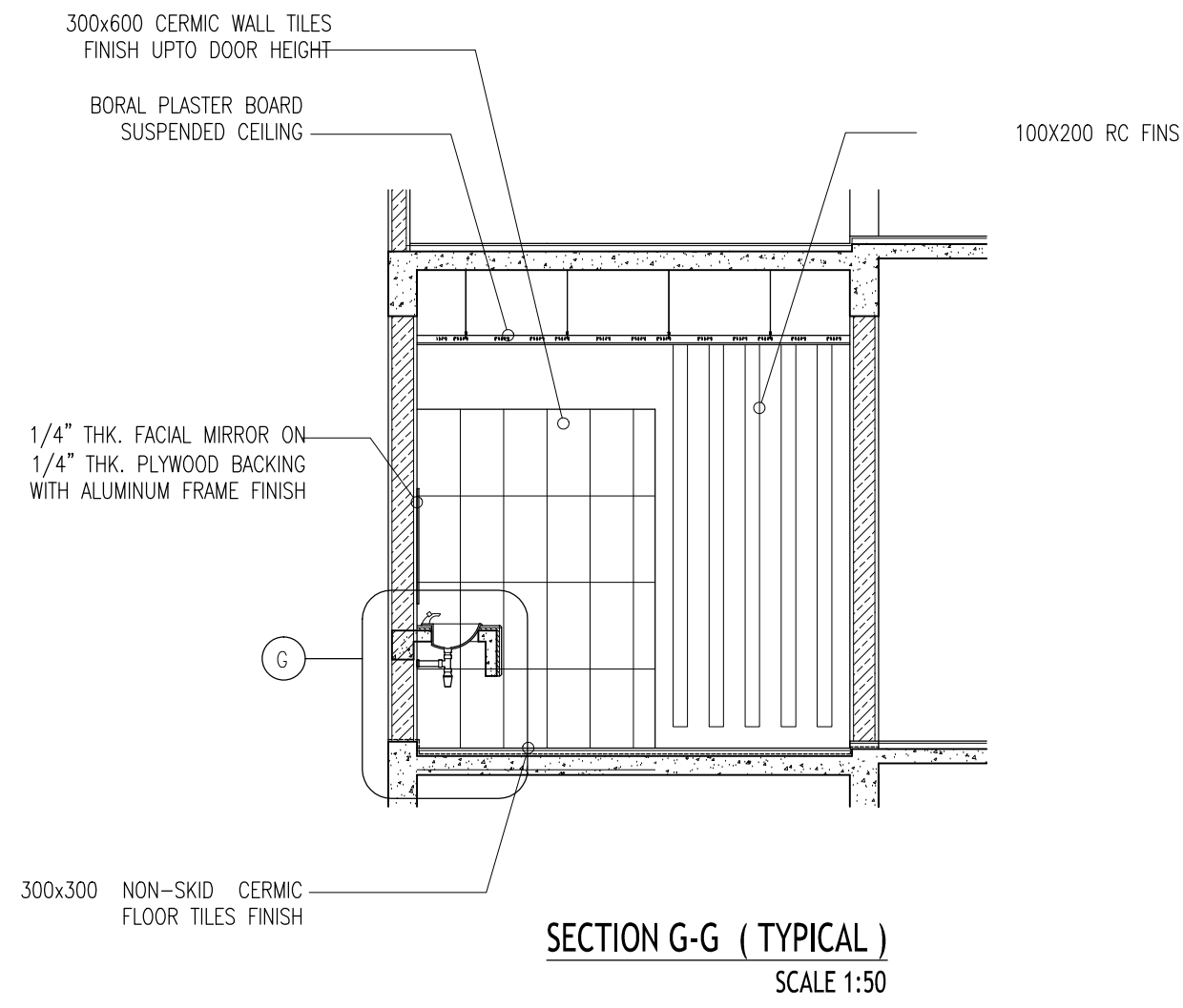
ARCHITECT: MOHAMED HAMEEN
ENGINEER:
SERVICES ENG:
ESTIMATOR:
DRAWN BY: ASFAN AHMED

PROJECT: PROPOSED 04 CLASS ROOM BLOCK (02 STOREY)
LOCATION: GA, NILANDHOO
DRAWING TITLE: AS GIVEN
CLIENT: MINISTRY OF EDUCATION
SCALE: AS GIVEN
DIMENSION: MM
DATE: FEBRUARY 2016

A-13
DWG NO

PROJECT NO.: 15-041

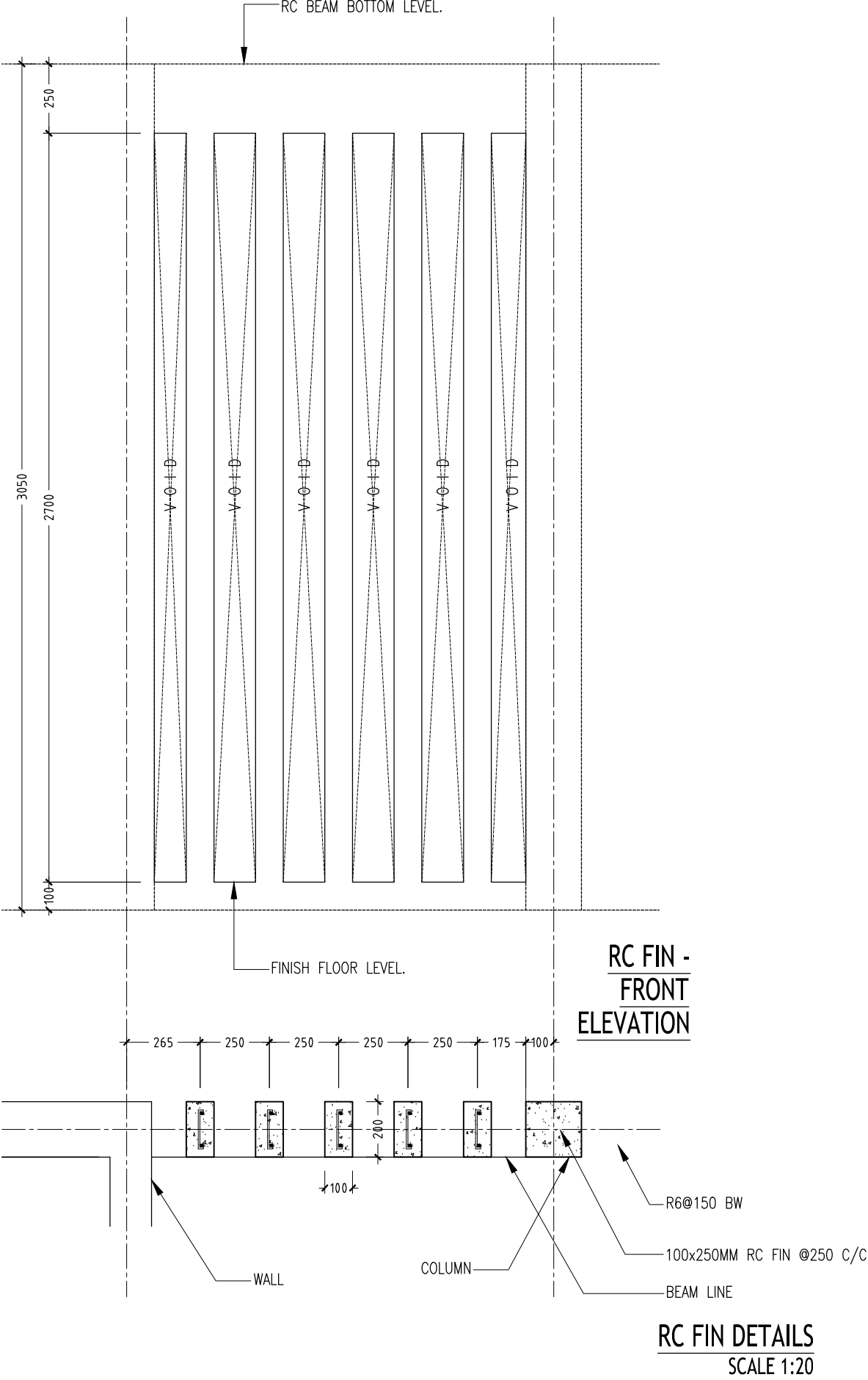
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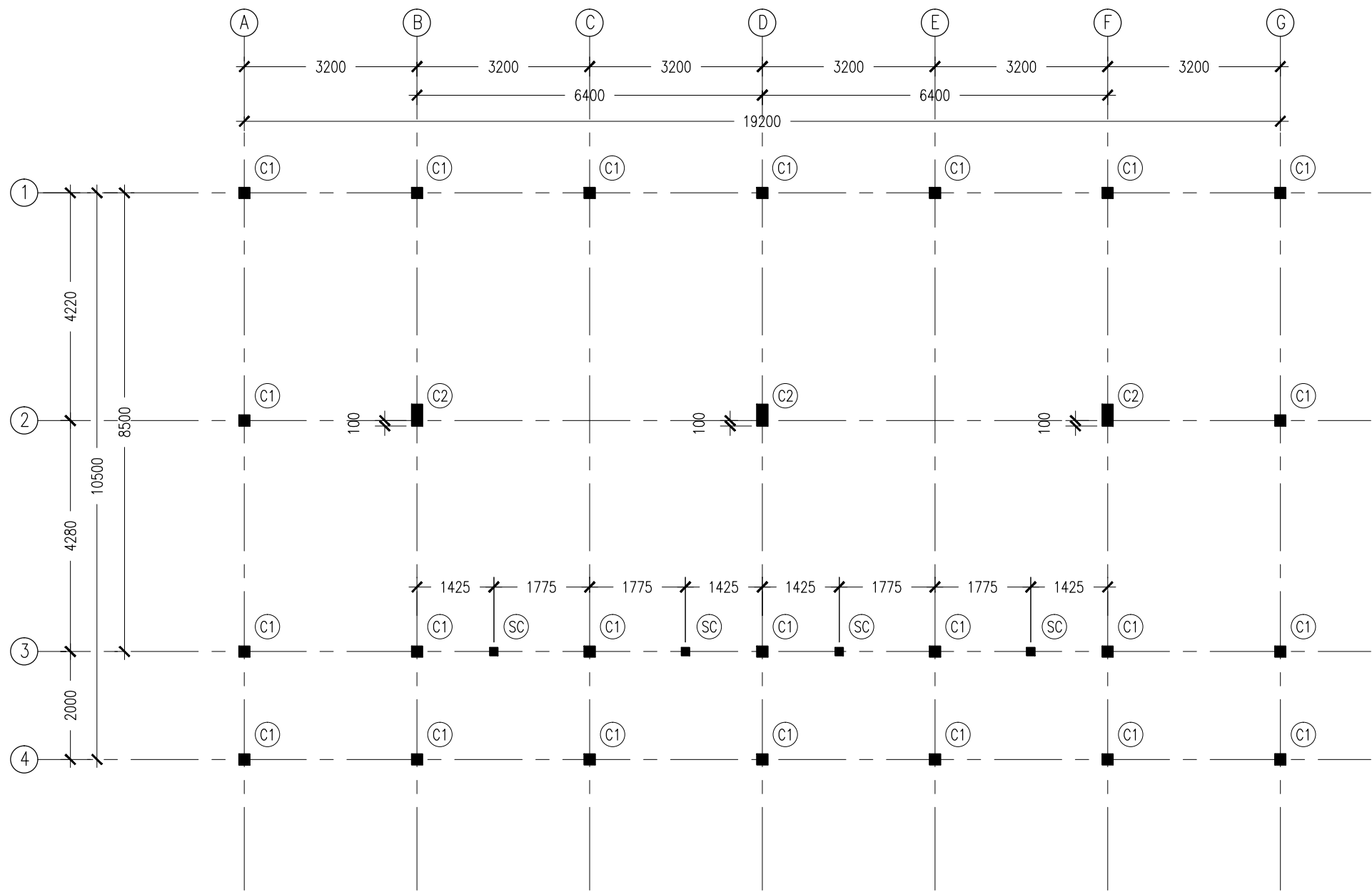
REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: PROPOSED 04 CLASS ROOM BLOCK (02 STOREY)	A-14
	ENGINEER:	LOCATION: GA. NILANDHOO	
	SERVICES ENG:	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: ASFAN AHMED	SCALE: AS GIVEN DIMENSION: MM DATE: FEBRUARY 2016	
			DWG NO
			PROJECT NO.: 15-041
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REVISION:	ARCHITECT:	MOHAMED HAMEEN	PROJECT:			PROPOSED 04 CLASS ROOM BLOCK (02 STOREY)	A-15			
	ENGINEER:		LOCATION:			GA, NILANDHOO				
	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.

COLUMN SETTING LAYOUT PLAN

SCALE 1:100

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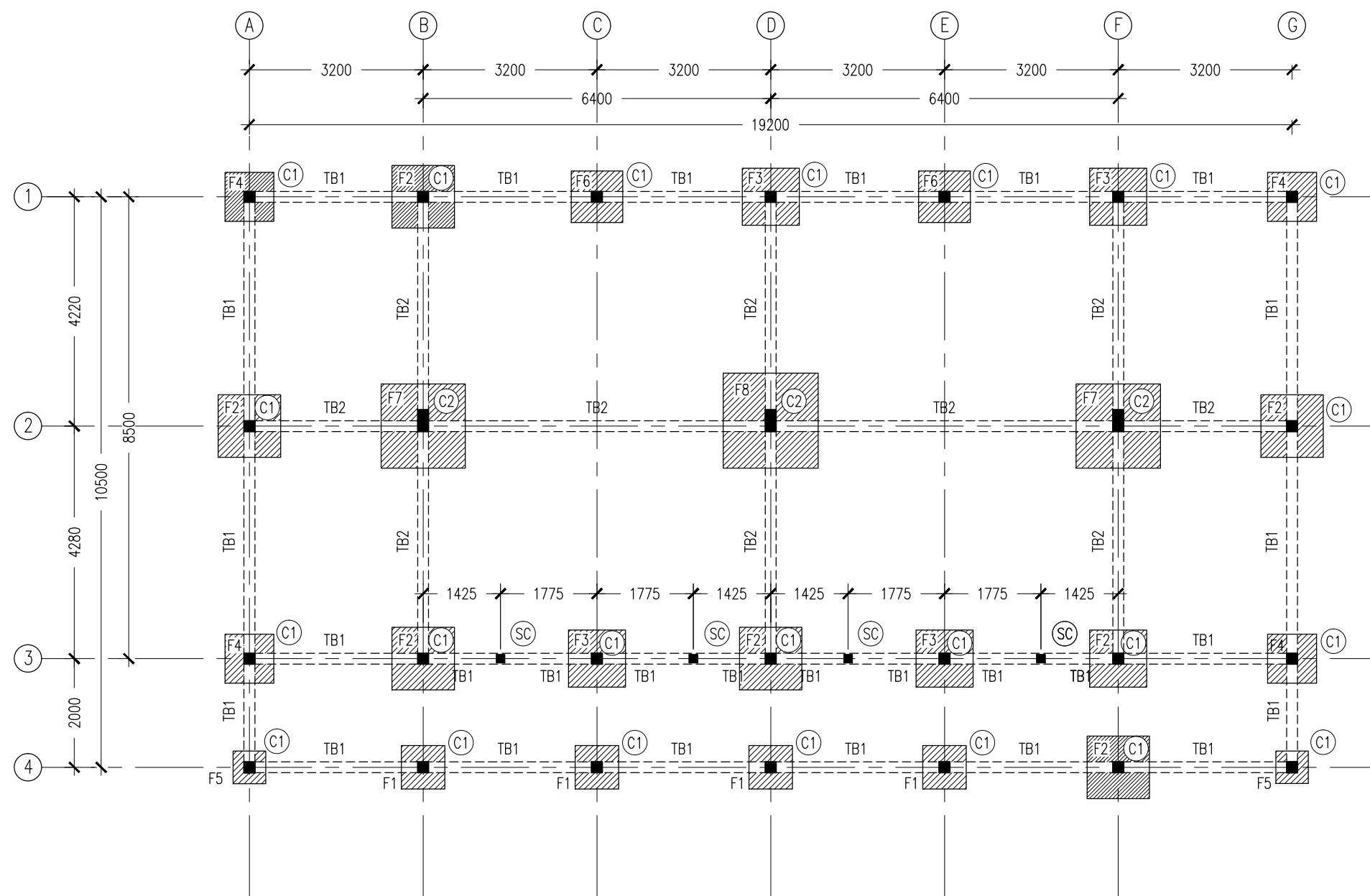
REVISION:

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

PROJECT: PROPOSED 04 CLASS ROOM BLOCK (02 STOREY)
LOCATION: GA. NILANDHOO
DRAWING TITLE: AS GIVEN
CLIENT: MINISTRY OF EDUCATION
SCALE: AS GIVEN DIMENSION: MM DATE: FEBRUARY 2016

S-01
DWG NO
PROJECT NO.: 15-041

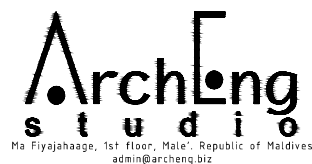
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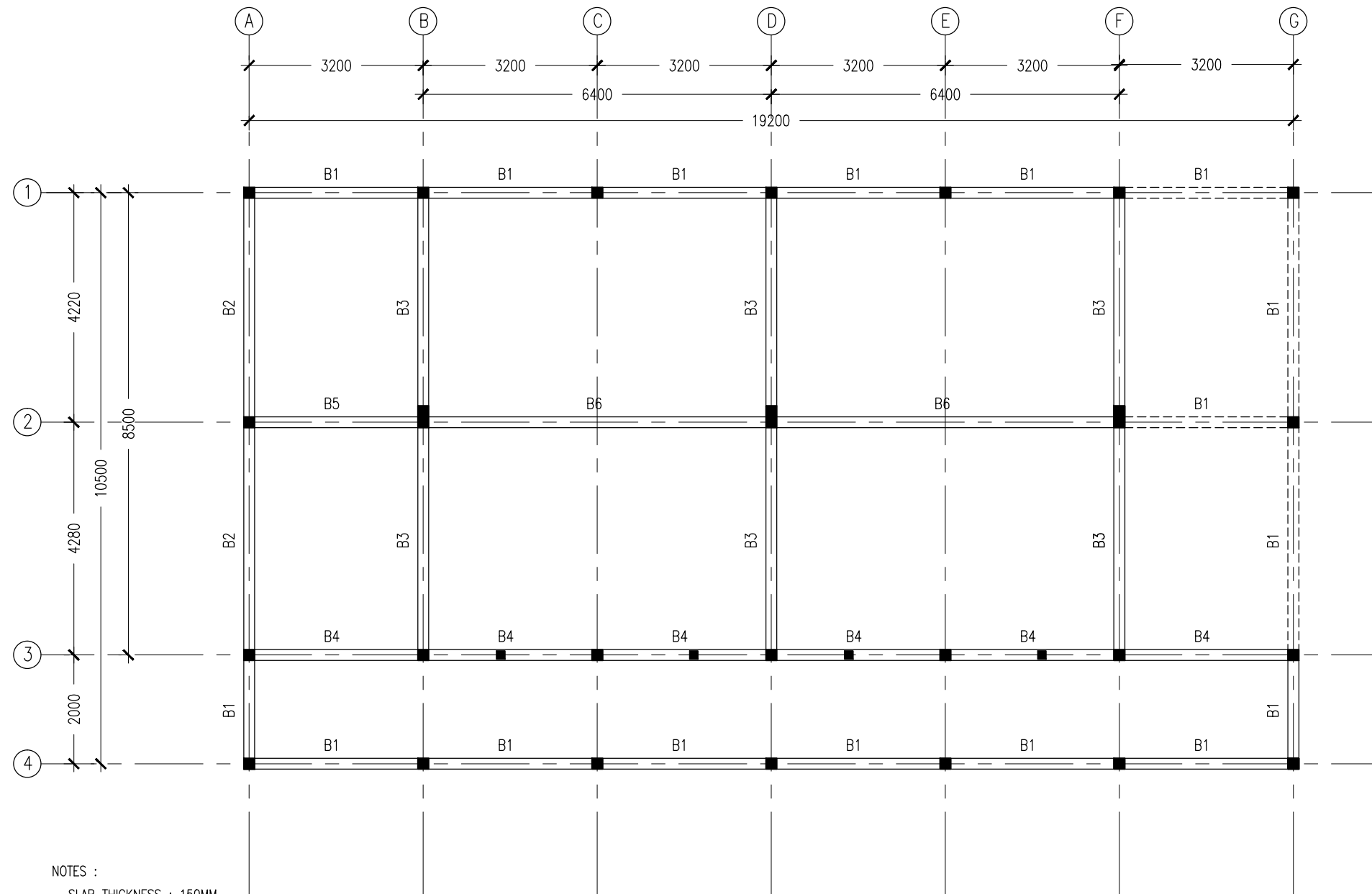
- NOTES :
- COVER TO FOUNDATION: 50MM
 - COVER TO BEAMS : 50MM
 - COVER TO COLUMNS : 40MM
 - CONCRETE MIX : 1:2:3 UNLESS STATED
 - ADD CONMIX MEGA FLOW P TO ALL SUPER STRUCTURE CONCRETE.
 - ADD CONMIX MEGA ADD WL3 TO ALL SUBSTRUCTURE CONCRETE.
 - APPY 2 COATS OF CONMIX MOYA SHIELD RBE TO ALL STRUCTURE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

FOUNDATION LAYOUT PLAN
SCALE 1:100

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REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: PROPOSED 04 CLASS ROOM BLOCK (02 STOREY)	S-02
	ENGINEER:	LOCATION: GA. NILANDHOO	
	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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- 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.

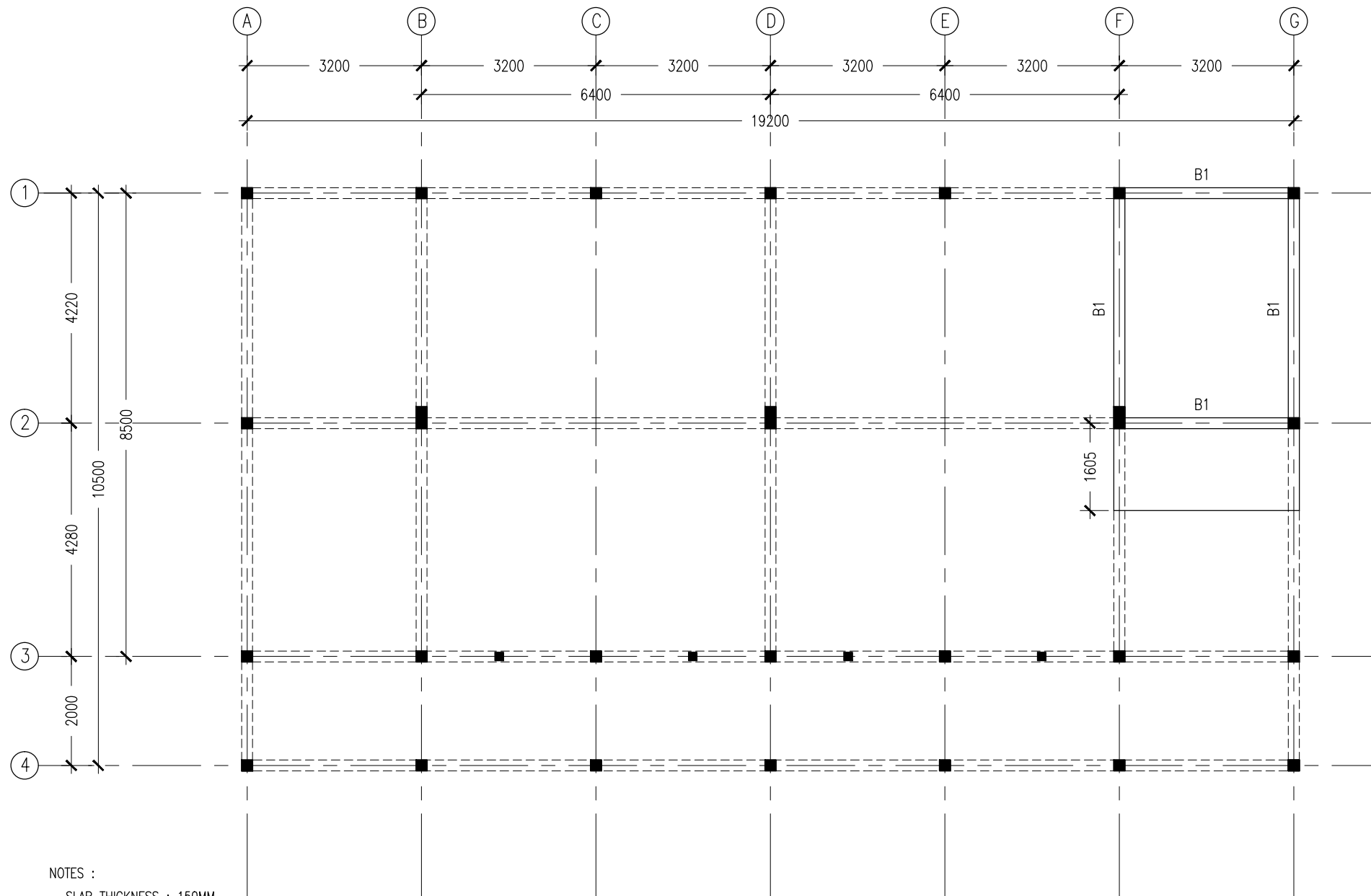
1ST FLOOR SLAB BEAM LAYOUT PLAN
SCALE 1:100

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REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: PROPOSED 04 CLASS ROOM BLOCK (02 STOREY)	S-03
	ENGINEER:	LOCATION: GA. NILANDHOO	
	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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- 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.

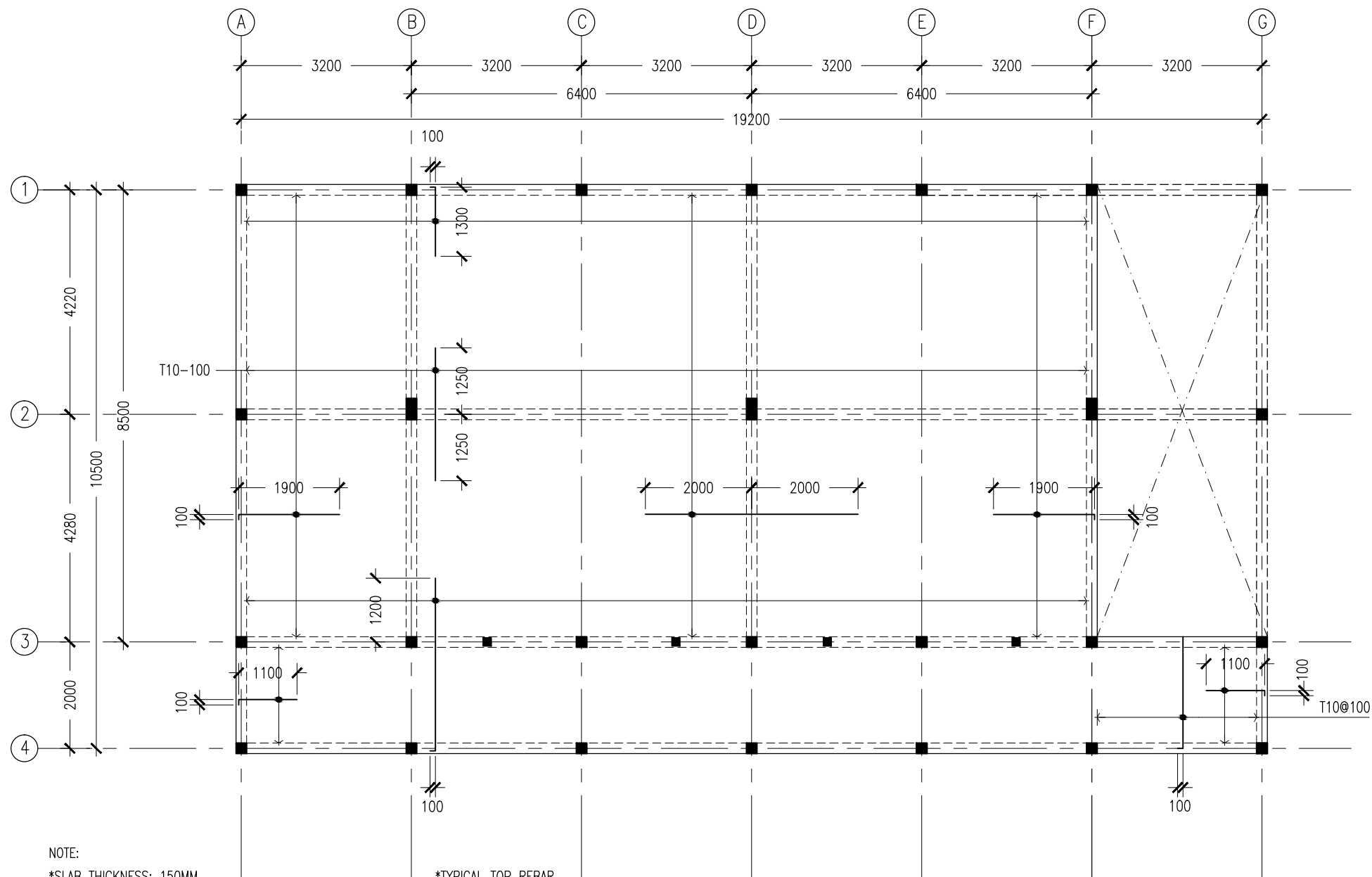
SLAB BEAM AT HALF-LANDING LAYOUT PLAN
SCALE 1:100

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REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: PROPOSED 04 CLASS ROOM BLOCK (02 STOREY)	S-04
	ENGINEER:	LOCATION: GA. NILANDHOO	
	SERVICES ENG:	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: ASFAN AHMED	SCALE: AS GIVEN	DWG NO
		DIMENSION: MM	PROJECT NO.: 15-041
		DATE: FEBRUARY 2016	

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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
TYPICAL TOP REBAR

*FCU=25N/MM2

*ADD CONMIX MegaFlow P TO ALL SUPER
STRUCTURE CONCRETE

1ST 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

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

REVISION:

ARCHITECT: MOHAMED HAMEEN

ENGINEER:

SERVICES ENG:

ESTIMATOR:

DRAWN BY: ASFAN AHMED

PROJECT: PROPOSED 04 CLASS ROOM BLOCK (02 STOREY)

LOCATION: GA. NILANDHOO

DRAWING TITLE: AS GIVEN

CLIENT: MINISTRY OF EDUCATION

SCALE: AS GIVEN

DIMENSION: MM

DATE: FEBRUARY 2016

S-06

DWG NO

PROJECT NO.: 15-041

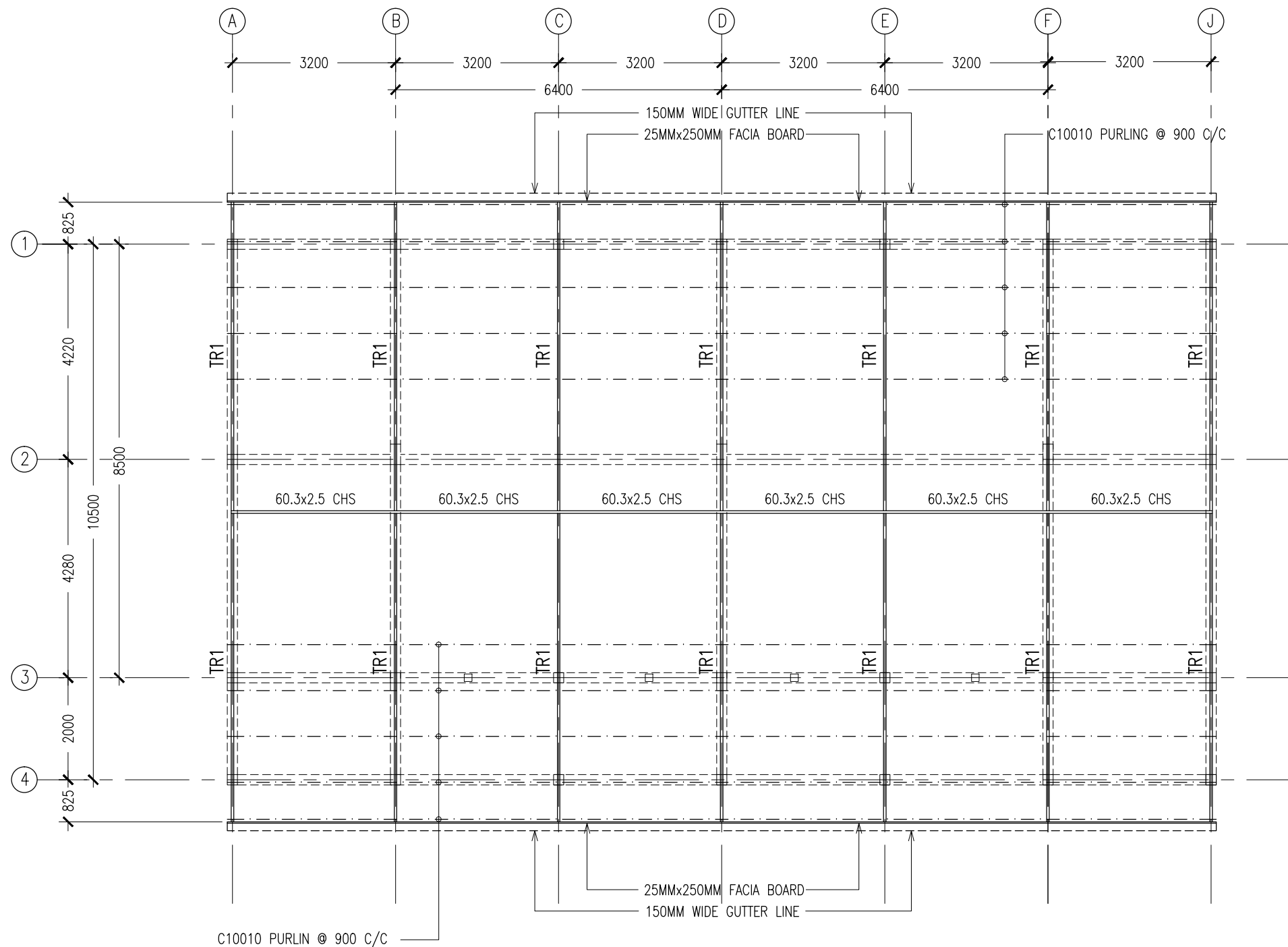
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The diagram illustrates the relationship between three lengths: SPECIFIED LENGTH, EXTRA, and INTO BEAM. A horizontal line represents the total length. A vertical line segment labeled 'EXTRA' is shown to the left of the main line. A vertical line segment labeled 'INTO BEAM' is shown below the main line. The main line is labeled 'SPECIFIED LENGTH'.

SLAB RFMNT AT HALF-LANDING LAYOUT PLAN

REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: PROPOSED 04 CLASS ROOM BLOCK (02 STOREY)	<div>S-07</div> <div>DWG NO</div> <div>PROJECT NO.: 15-041</div>
	ENGINEER:	LOCATION: GA. NILANDHOO	
	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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ROOF STRUCTURE LAYOUT PLAN
SCALE 1:100

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DRAWINGS, FIGURED
DIMENSIONS TO TAKE
PRECEDENCE OVER
SCALE READINGS

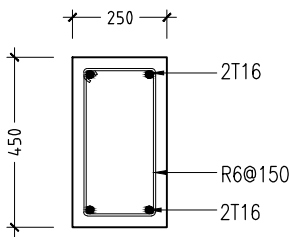


REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: PROPOSED 04 CLASS ROOM BLOCK (02 STOREY)	S-08
	ENGINEER:	LOCATION: GA. NILANDHOO	
	SERVICES ENG:	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: ASFAN AHMED	SCALE: AS GIVEN	DWG NO
		DIMENSION: MM	PROJECT NO.: 15-041
		DATE: FEBRUARY 2016	

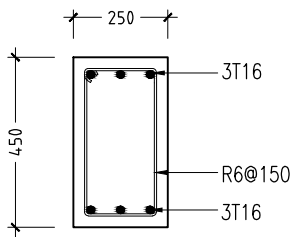
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	FOOTING	LENGTH/mm	WIDTH/mm	DEPTH/mm	REINFORCEMENT
	F1	800	800	300	T12@150mm C/C BW BOTTOM
	F2	1150	1150	300	T12@150mm C/C BW BOTTOM
	F3	1050	1050	300	T12@150mm C/C BW BOTTOM
	F4	900	900	300	T12@150mm C/C BW BOTTOM
	F5	600	600	300	T12@150mm C/C BW BOTTOM
	F6	950	950	300	T12@150mm C/C BW BOTTOM
	F7	1650	1650	300	T12@125mm C/C BW BOTTOM
	F8	1750	1750	300	T12@100mm C/C BW BOTTOM

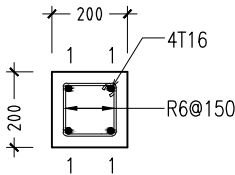
FOOTING DETAILS



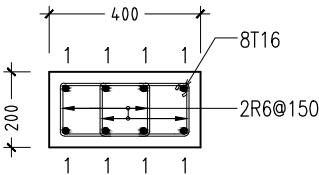
TB1



TB2



C1



C2

1 = T16

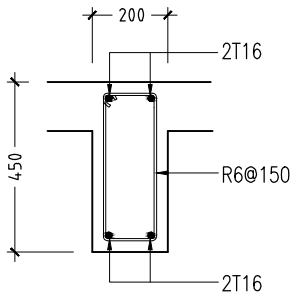
1 = T16

FOUNDATION BEAM DETAILS

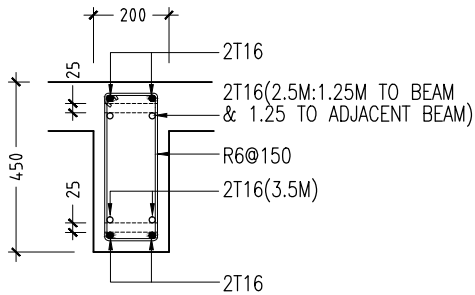
SCALE 1:20

COLUMN DETAILS

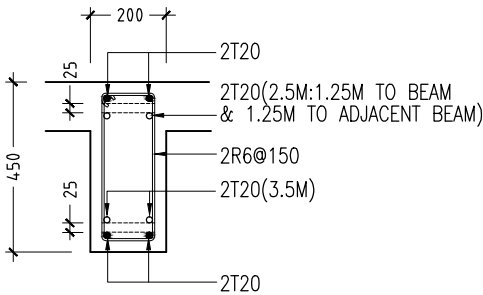
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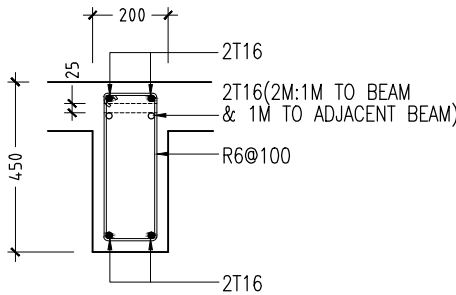
B1



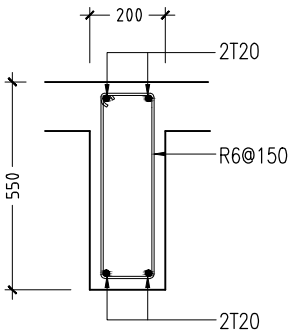
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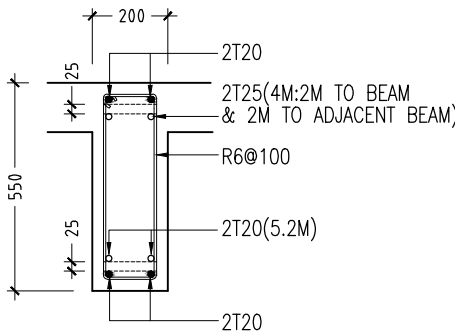
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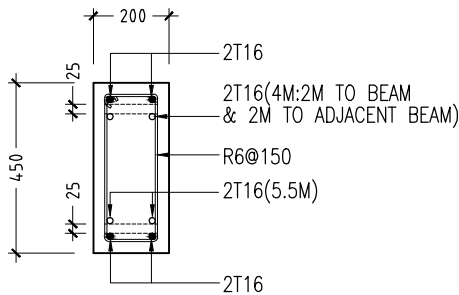
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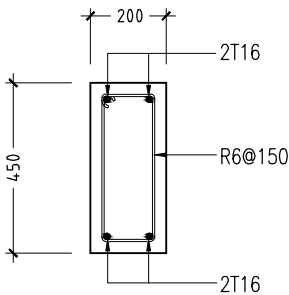
B5



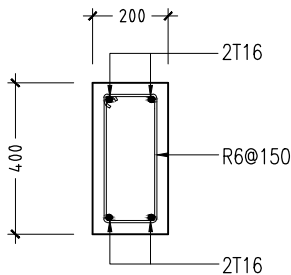
B6



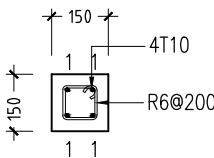
RB1



RB2



RB3



LT

1 = T10

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

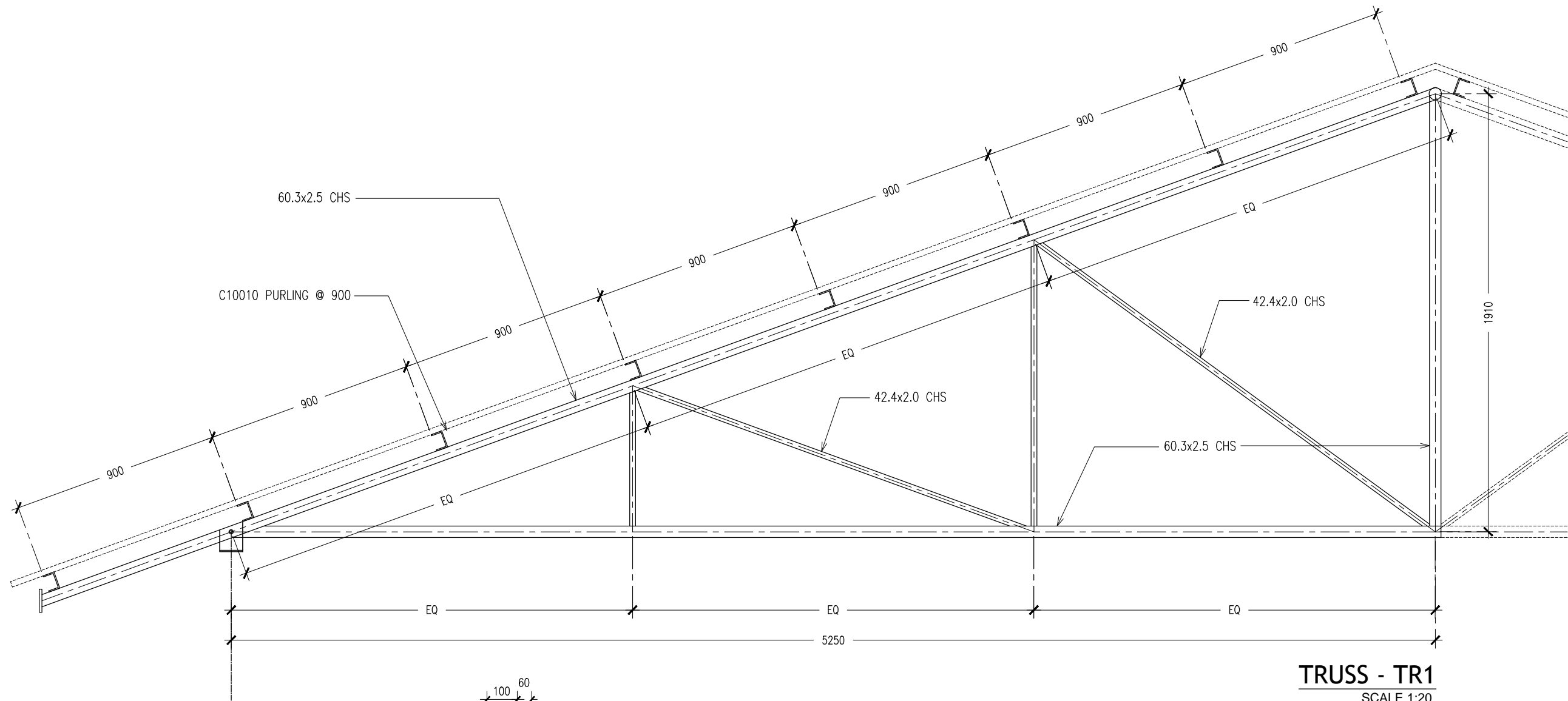
SCALE 1:20

- 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.

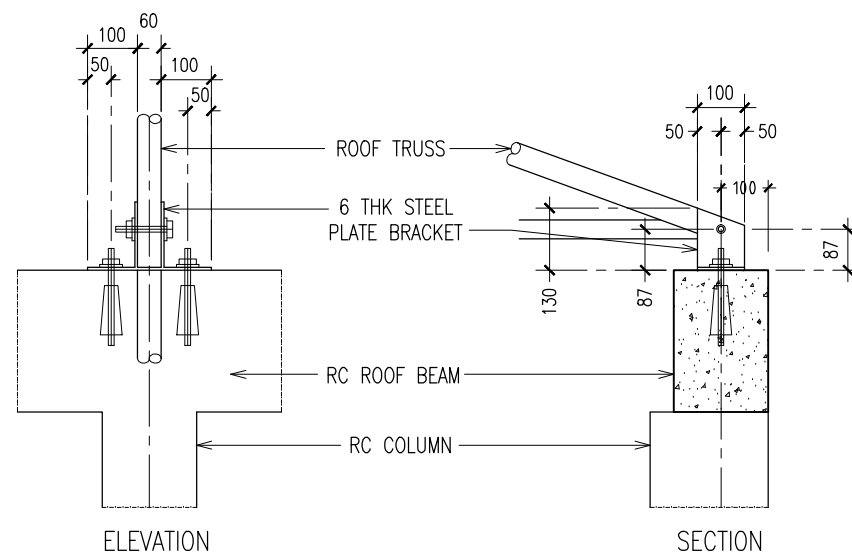
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PRECEDENCE OVER
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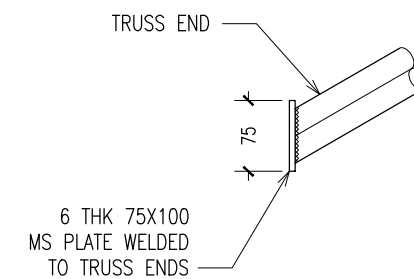
REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: PROPOSED 04 CLASS ROOM BLOCK (02 STOREY)	S-09
	ENGINEER:	LOCATION: GA. NILANDHOO	
	SERVICES ENG:	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: ASFAN AHMED	SCALE: AS GIVEN DIMENSION: MM DATE: FEBRUARY 2016	
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			PROJECT NO.: 15-041



TRUSS - TR1
SCALE 1:20



TYPICAL TRUSS FIXING DETAILS
SCALE : NTS



TYPICAL TRUSS END DETAILS
SCALE : NTS

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DRAWINGS. FIGURED
DIMENSIONS TO TAKE
PRECEDENCE OVER
SCALE READINGS

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

REVISION:

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

PROJECT: PROPOSED 04 CLASS ROOM BLOCK (02 STOREY)
LOCATION: GA. NILANDHOO
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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PROPOSED 4 CLASS ROOM BLOCK AT GA. NILANDHOO

(2 STOREY)

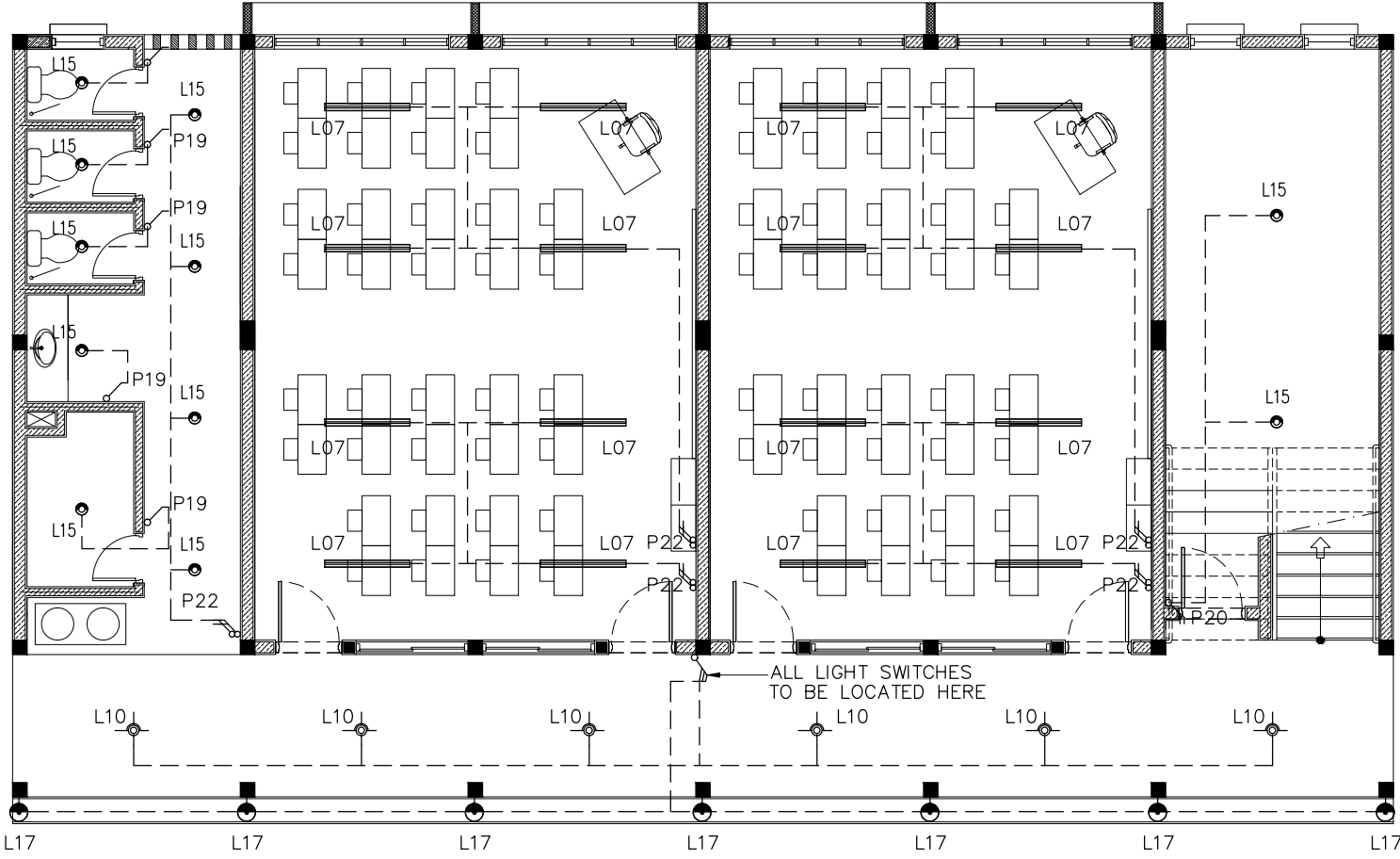
ELECTRICAL DRAWINGS

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



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

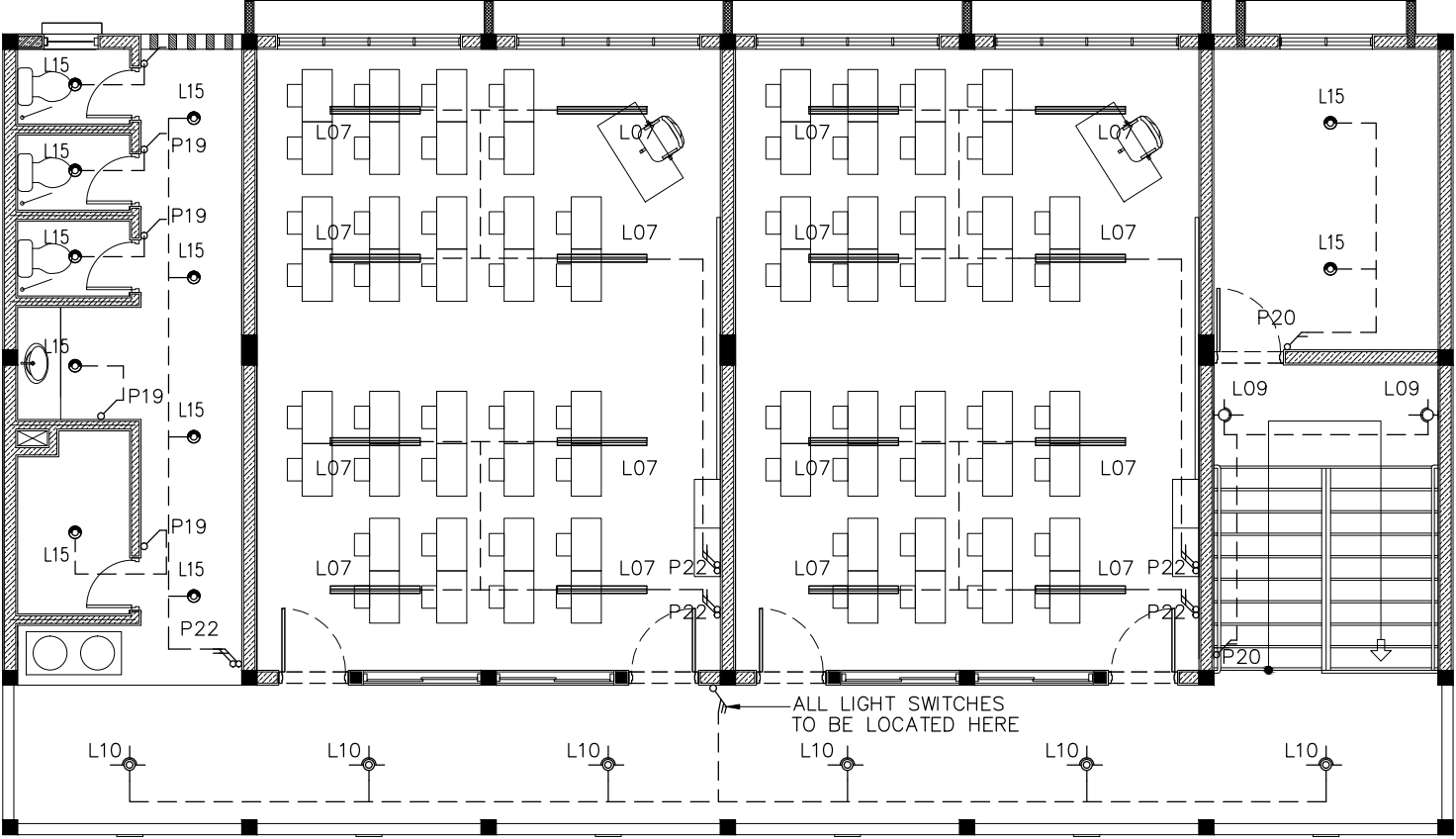
	P19	1GANG 1 WAY SWITCH
	P20	2GANG 1 WAY SWITCH
	P21	3GANG 1 WAY SWITCH
	P22	4GANG 1 WAY SWITCH

GROUND FLOOR LIGHTING LAYOUT PLAN
SCALE 1:100

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



REVISION:	ARCHITECT:	MOHAMED HAMEEN	PROJECT:		PROPOSED 04 CLASS ROOM BLOCK (02 STOREY)		E-01
	ENGINEER:		LOCATION:		GA. NILANDHOO		
	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
	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

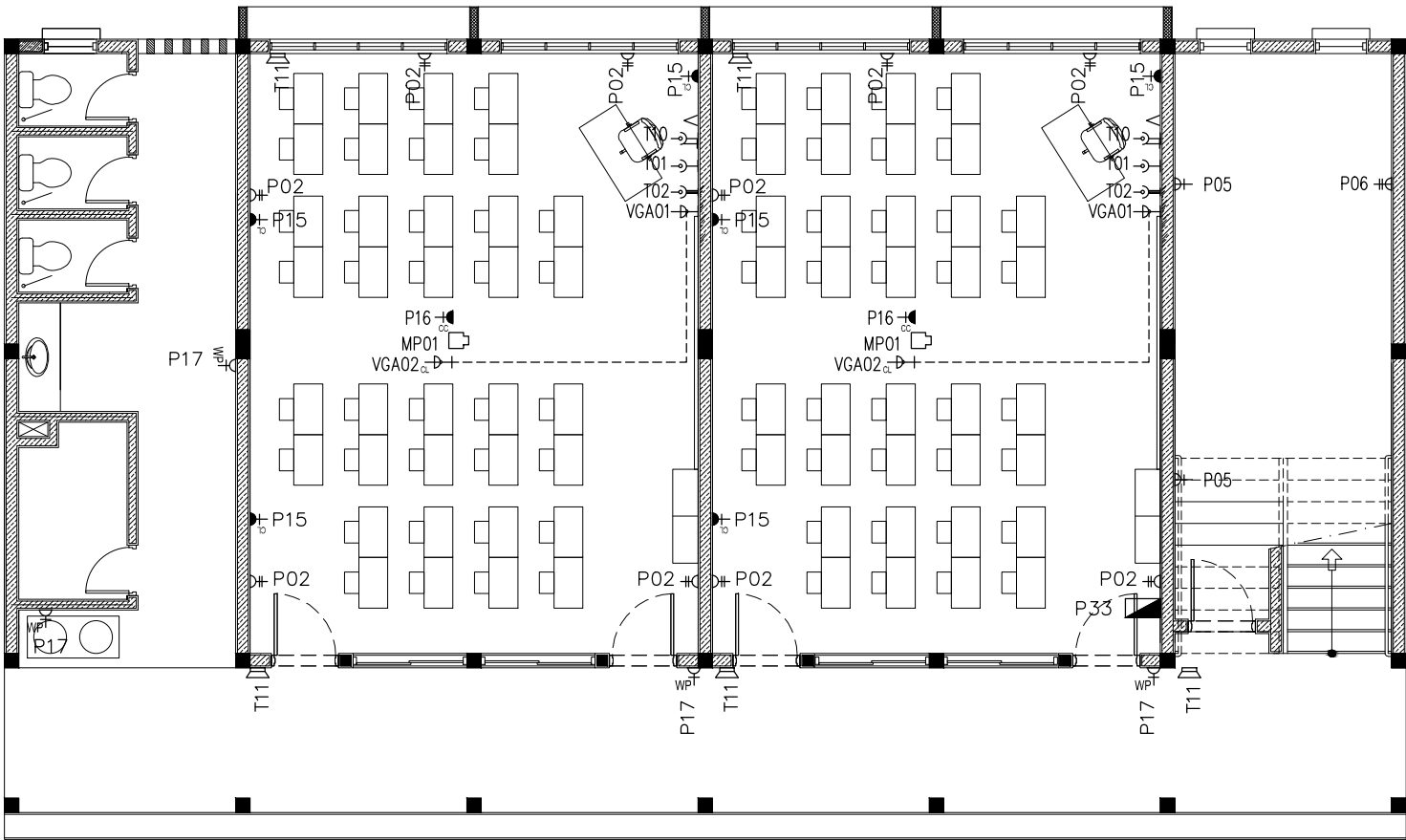
	P20	2GANG 1 WAY SWITCH
	P21	3GANG 1 WAY SWITCH
	P22	4GANG 1 WAY SWITCH

1ST FLOOR LIGHTING LAYOUT PLAN
SCALE 1:100

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DRAWINGS.FIGURED
DIMENSIONS TO TAKE
PRECEDENCE OVER
SCALE READINGS



REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: PROPOSED 04 CLASS ROOM BLOCK (02 STOREY)	E-02
	ENGINEER:	LOCATION: GA. NILANDHOO	
	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
	P17	1 GANG13A SOCKET OUTLET AT 300mm ABOVE FINISHED FLOOR LEVEL (WEATHER PROOF)
	VGA01	VGA CABLE
	P33	DISTRIBUTION BOARD

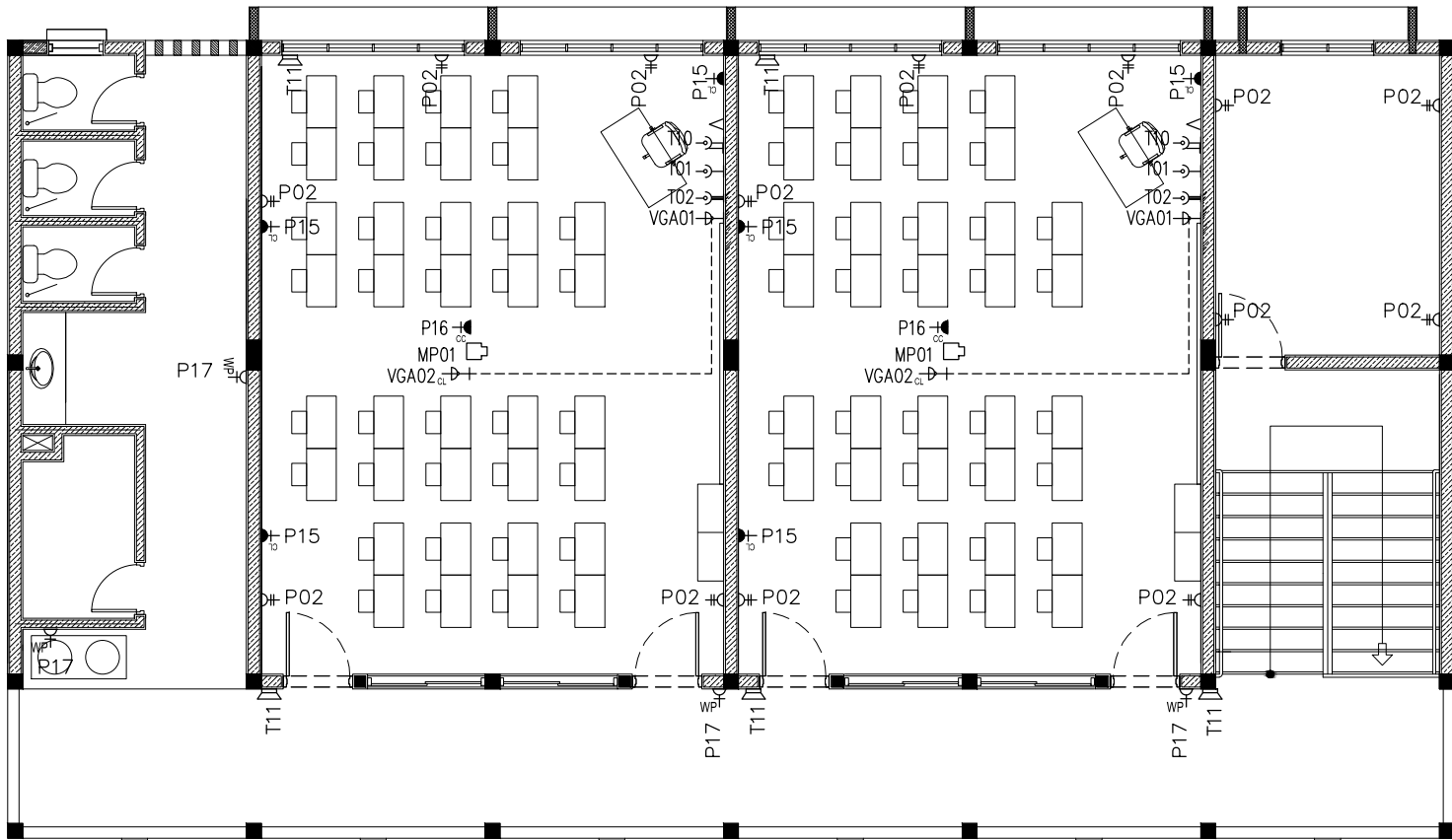
	VGA02	VGA CABLE AT CEILING LEVEL
	T01	PLAIN TELEPHONE OUTLET
	T02	COMPUTER NETWORK OUTLET
	MP01	MULTIMEDIA PROJECTOR
	T10	T.V POINT
	T11	SPEAKER

GROUND FLOOR POWER SOCKET LAYOUT PLAN
SCALE 1:100

CONTRACTORS MUST
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DIMENSIONS TO TAKE
PRECEDENCE OVER
SCALE READINGS



REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: PROPOSED 04 CLASS ROOM BLOCK (02 STOREY)	E-03
	ENGINEER:	LOCATION: GA. NILANDHOO	
	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

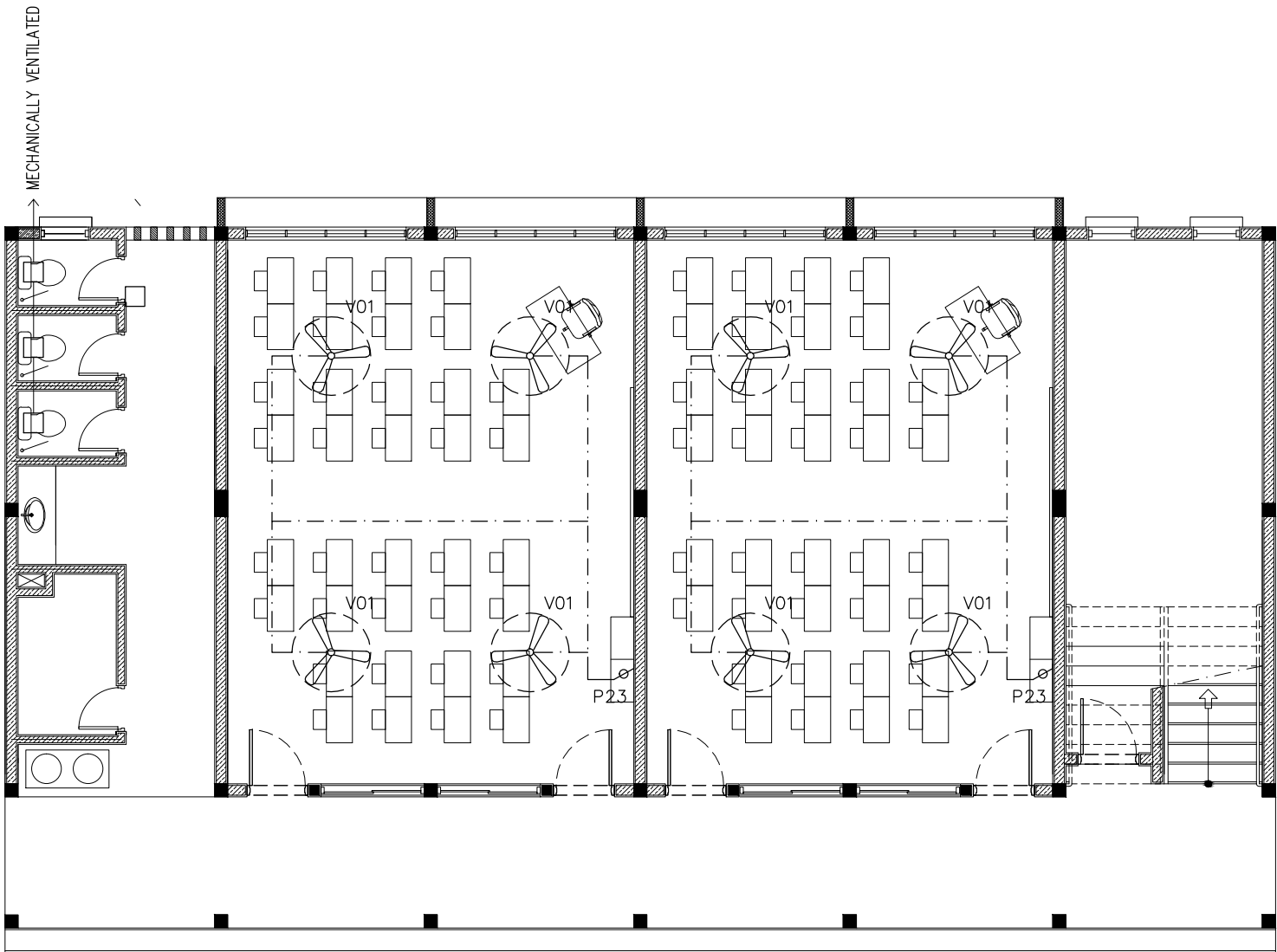
	VGA02	VGA CABLE AT CEILING LEVEL
	T01	PLAIN TELEPHONE OUTLET
	T02	COMPUTER NETWORK OUTLET
	MP01	MULTIMEDIA PROJECTOR
	T10	T.V POINT
	T11	SPEAKER

1ST FLOOR POWER SOCKET LAYOUT PLAN
SCALE 1:100


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PRECEDENCE OVER
SCALE READINGS



REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: PROPOSED 04 CLASS ROOM BLOCK (02 STOREY)	E-04
	ENGINEER:	LOCATION: GA. NILANDHOO	
	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

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

GROUND FLOOR FAN LAYOUT PLAN

SCALE 1:100

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DRAWINGS. FIGURED
DIMENSIONS TO TAKE
PRECEDENCE OVER
SCALE READINGS



REVISION:

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

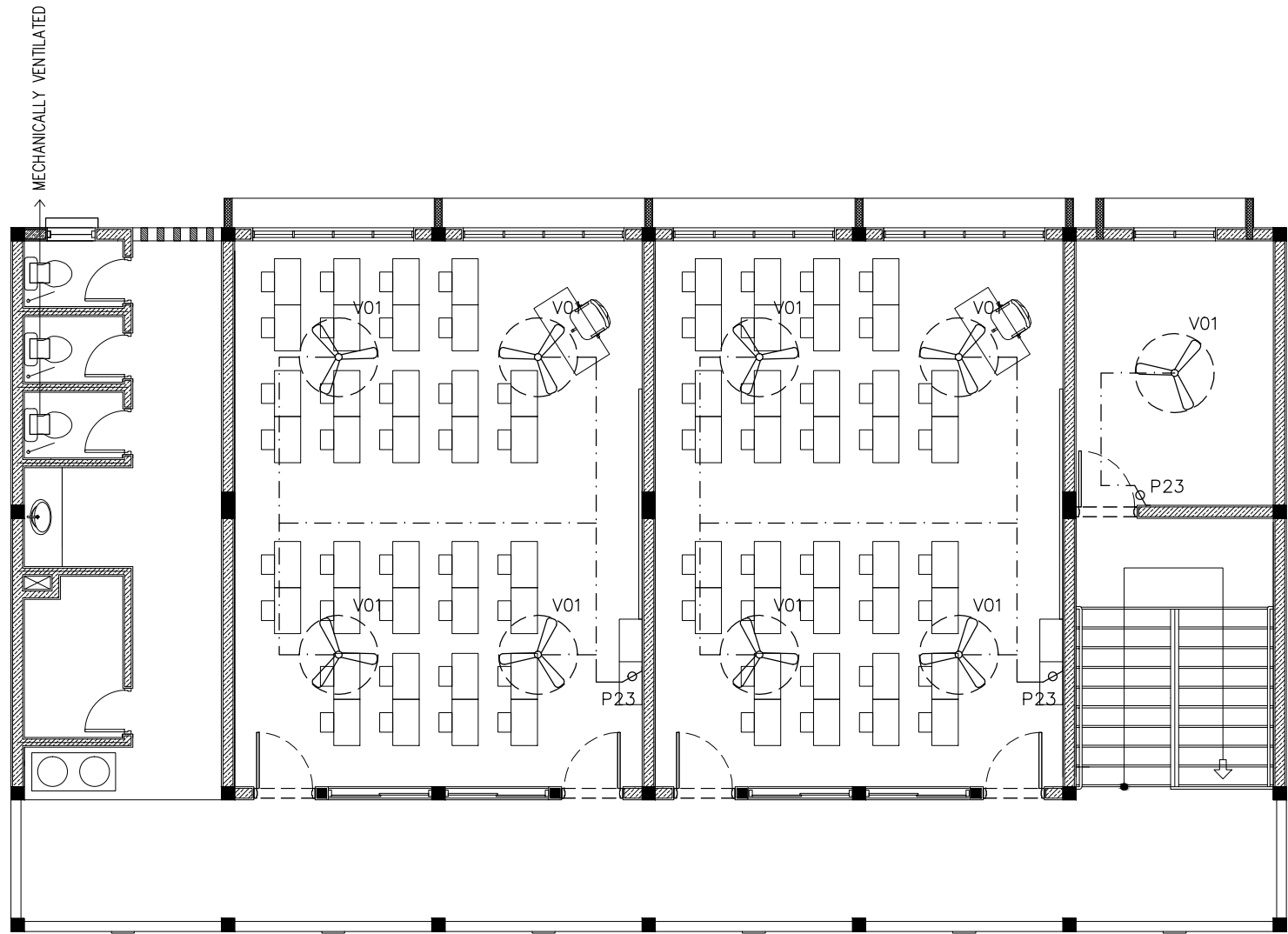
PROJECT:	PROPOSED 04 CLASS ROOM BLOCK (02 STOREY)
LOCATION:	GA. NILANDHOO
DRAWING TITLE:	AS GIVEN
CLIENT:	MINISTRY OF EDUCATION
SCALE:	AS GIVEN
DIMENSION:	MM
DATE:	FEBRUARY 2016

E-05

DWG NO

PROJECT NO.: 15-041

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LEGEND

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

1ST FLOOR FAN LAYOUT PLAN
SCALE 1:100

CONTRACTORS MUST
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SCALE READINGS



REVISION:	

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

PROJECT:	PROPOSED 04 CLASS ROOM BLOCK (02 STOREY)		
LOCATION:	GA. NILANDHOO		
DRAWING TITLE:	AS GIVEN		
CLIENT:	MINISTRY OF EDUCATION		
SCALE:	AS GIVEN	DIMENSION:	MM
		DATE:	FEBRUARY 2016

E-06

DWG NO
PROJECT NO.: 15-041

PROPOSED 4 CLASS ROOM BLOCK AT GA. NILANDHOO

(2 STOREY)

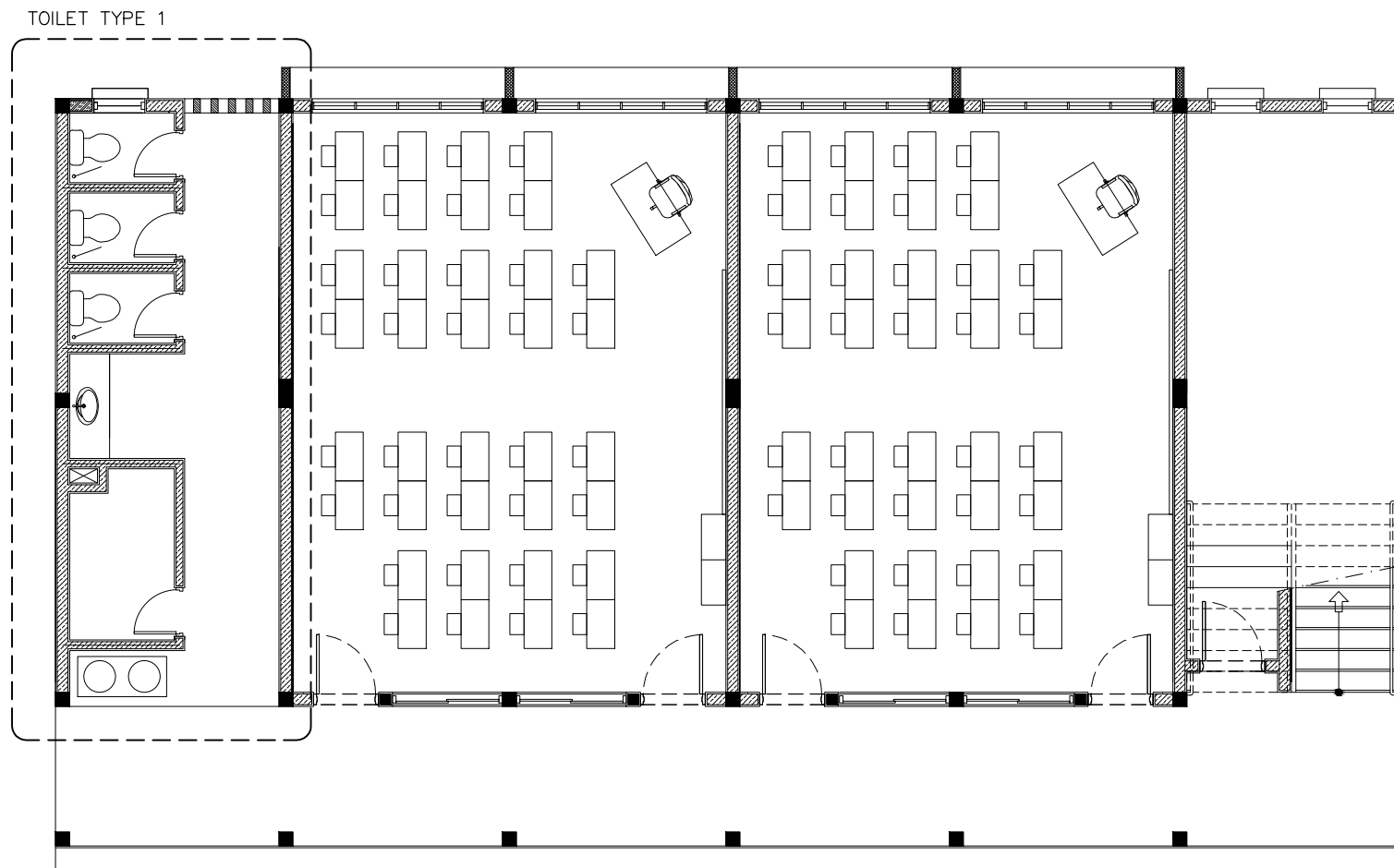
PLUMBING DRAWINGS

FEBRUARY 2016

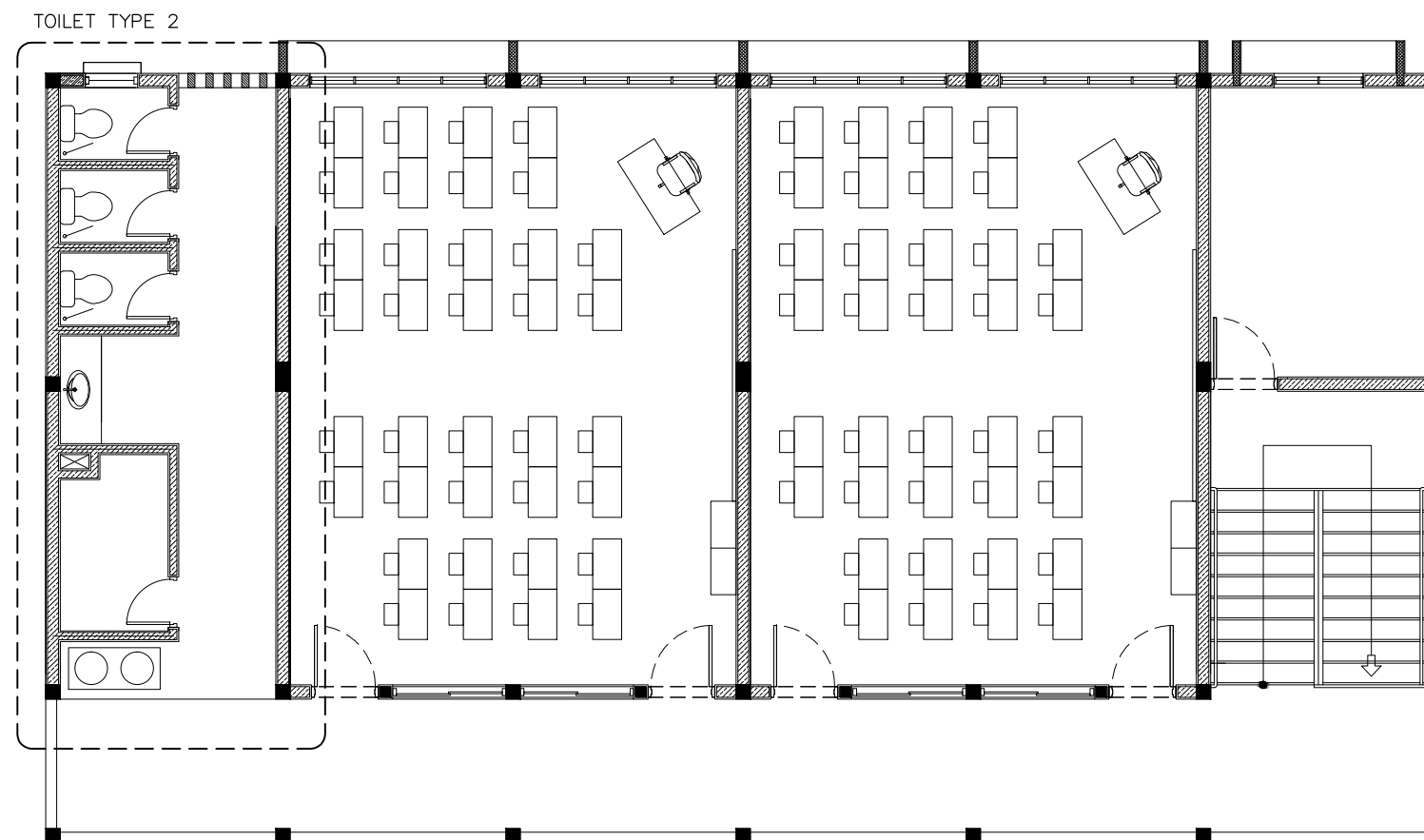
CLIENT : MINISTRY OF EDUCATION

DESIGN BY

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



GROUND FLOOR PLUMBING KEY PLAN
SCALE 1:100



1ST FLOOR PLUMBING KEY PLAN
SCALE 1:100

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REVISION:

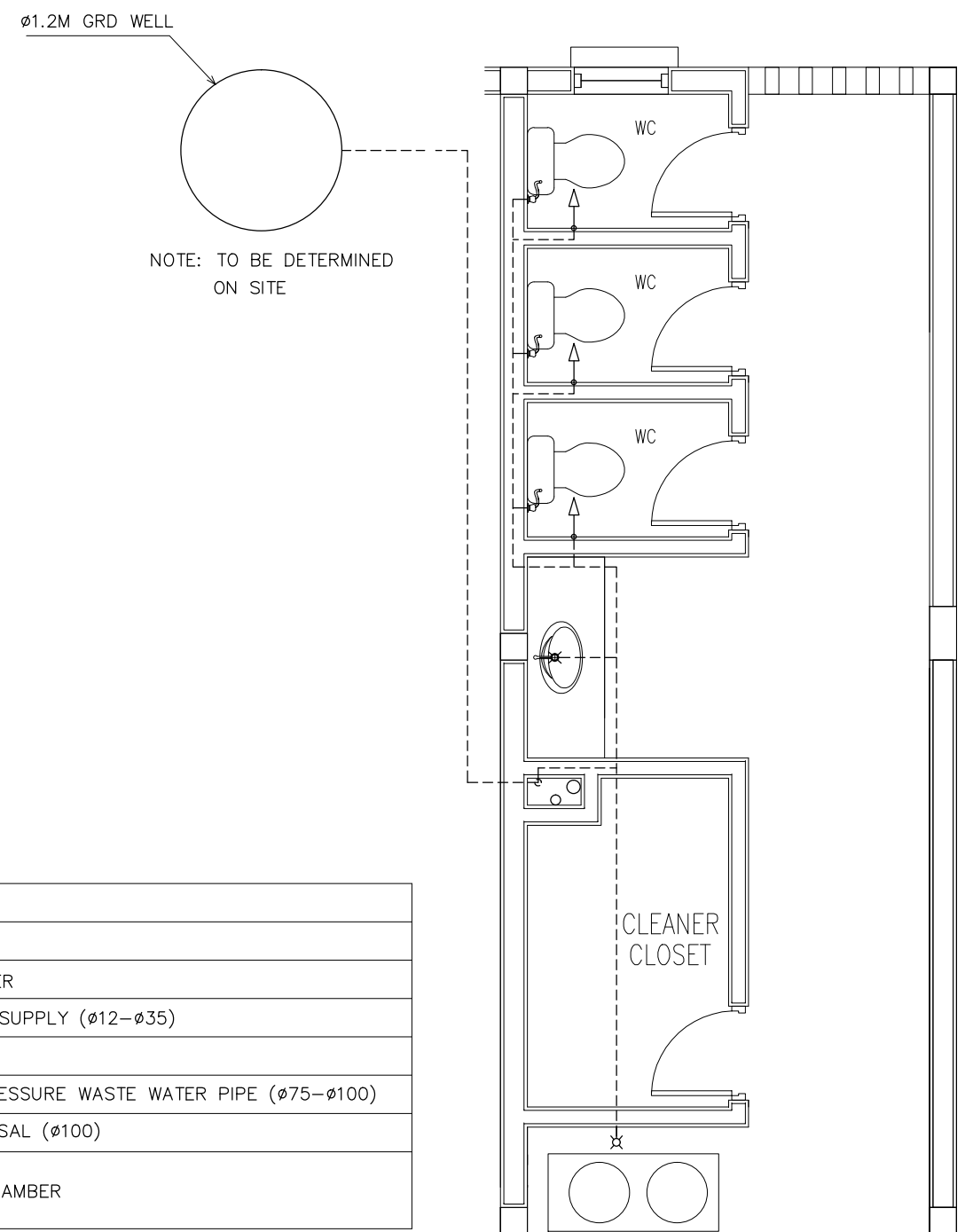
ARCHITECT:	MOHAMED HAMEEN
ENGINEER:	
SERVICES ENG:	
ESTIMATOR:	
DRAWN BY:	ASFAN AHMED

PROJECT:	PROPOSED 04 CLASS ROOM BLOCK (02 STOREY)		
LOCATION:	GA. NILANDHOO		
DRAWING TITLE:	AS GIVEN		
CLIENT:	MINISTRY OF EDUCATION		
SCALE:	DIMENSION:	DATE:	
AS GIVEN	MM	FEBRUARY 2016	

P-01
DWG NO

PROJECT NO.: 15-041

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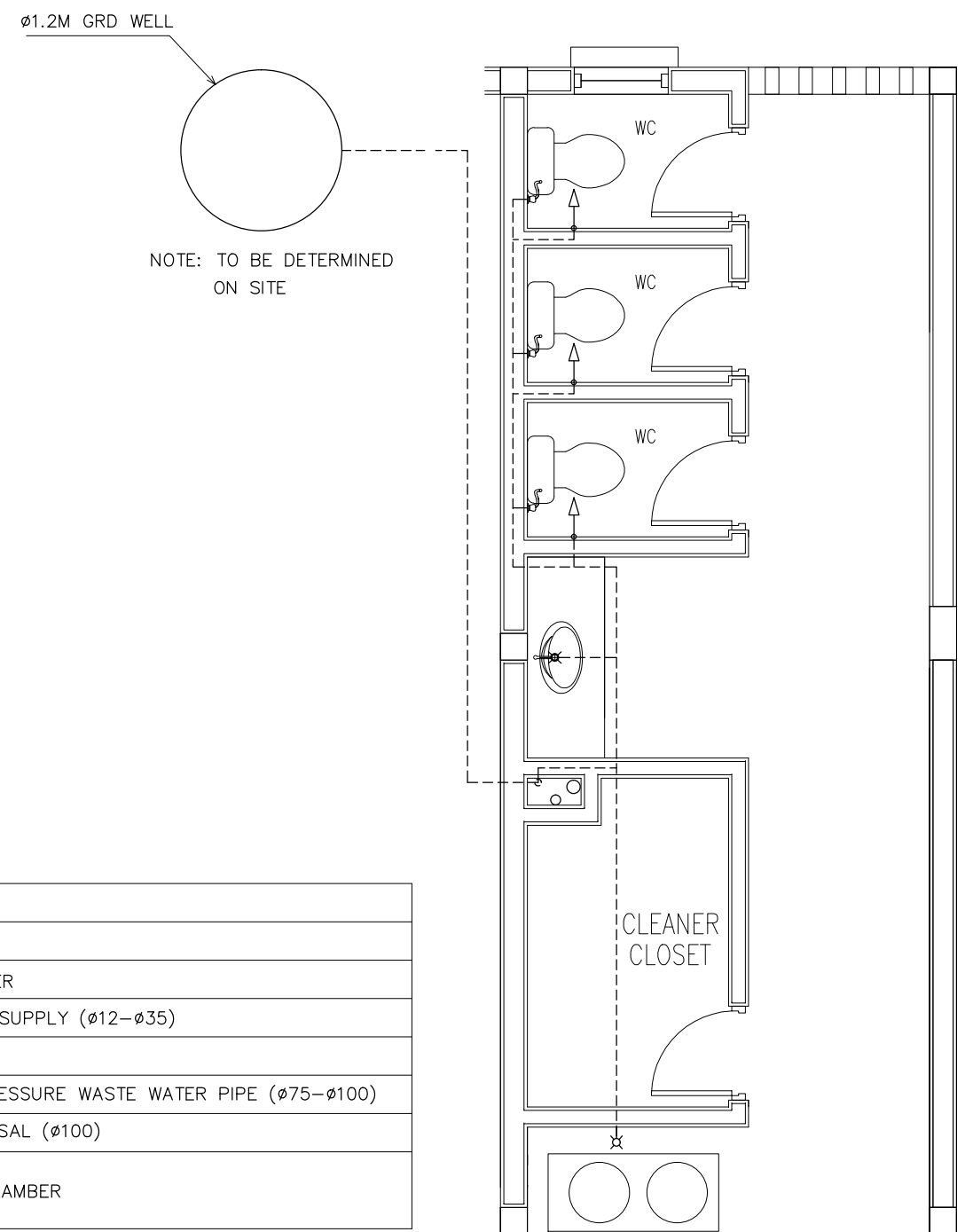
FRESH WATER SUPPLY PLAN
(TOILET TYPE 1)
SCALE 1:50

P-03

DWG NO

PROJECT NO.: 15-041

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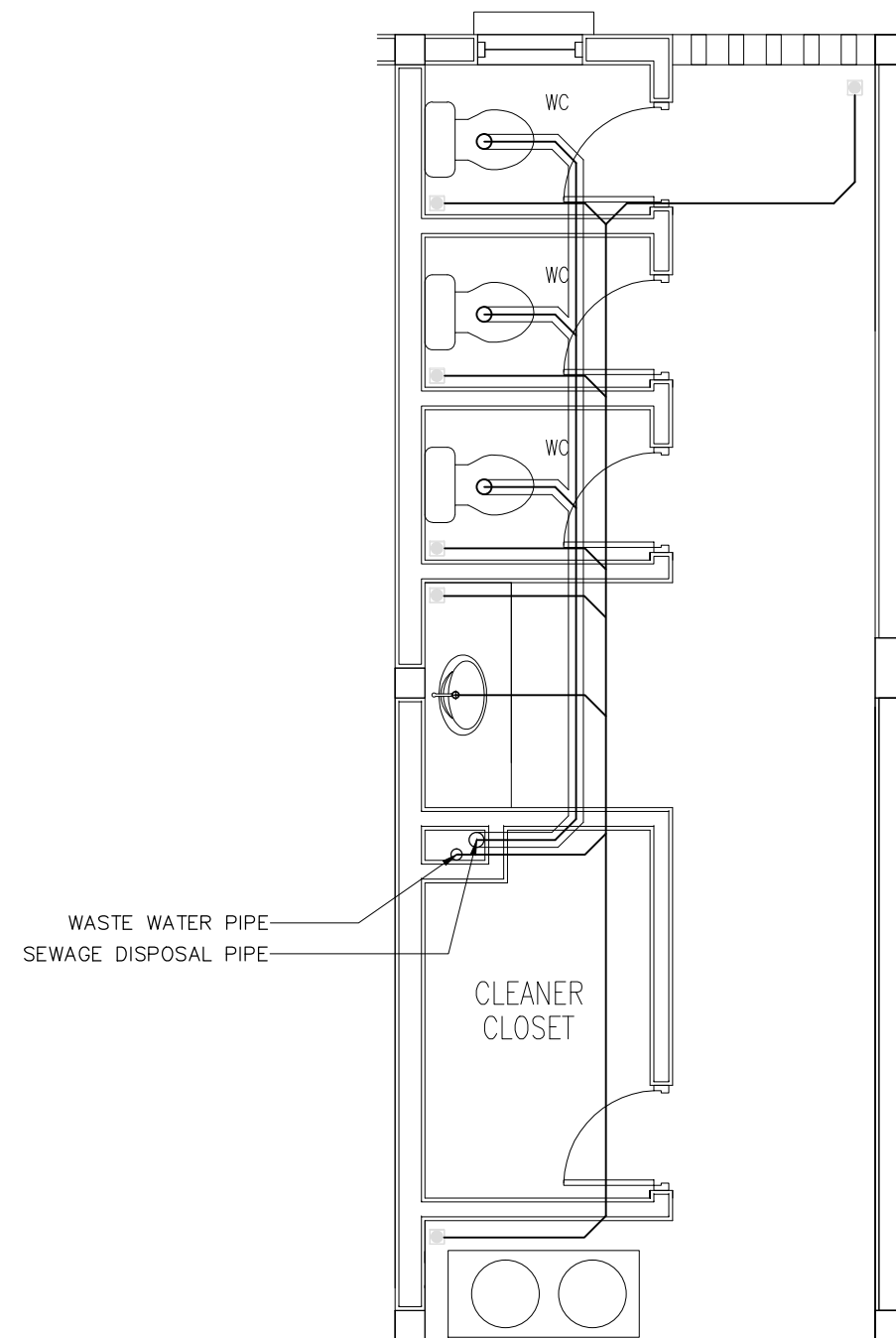
FRESH WATER SUPPLY PLAN
(TOILET TYPE 1)
SCALE 1:50

P-03

DWG NO

PROJECT NO.: 15-041

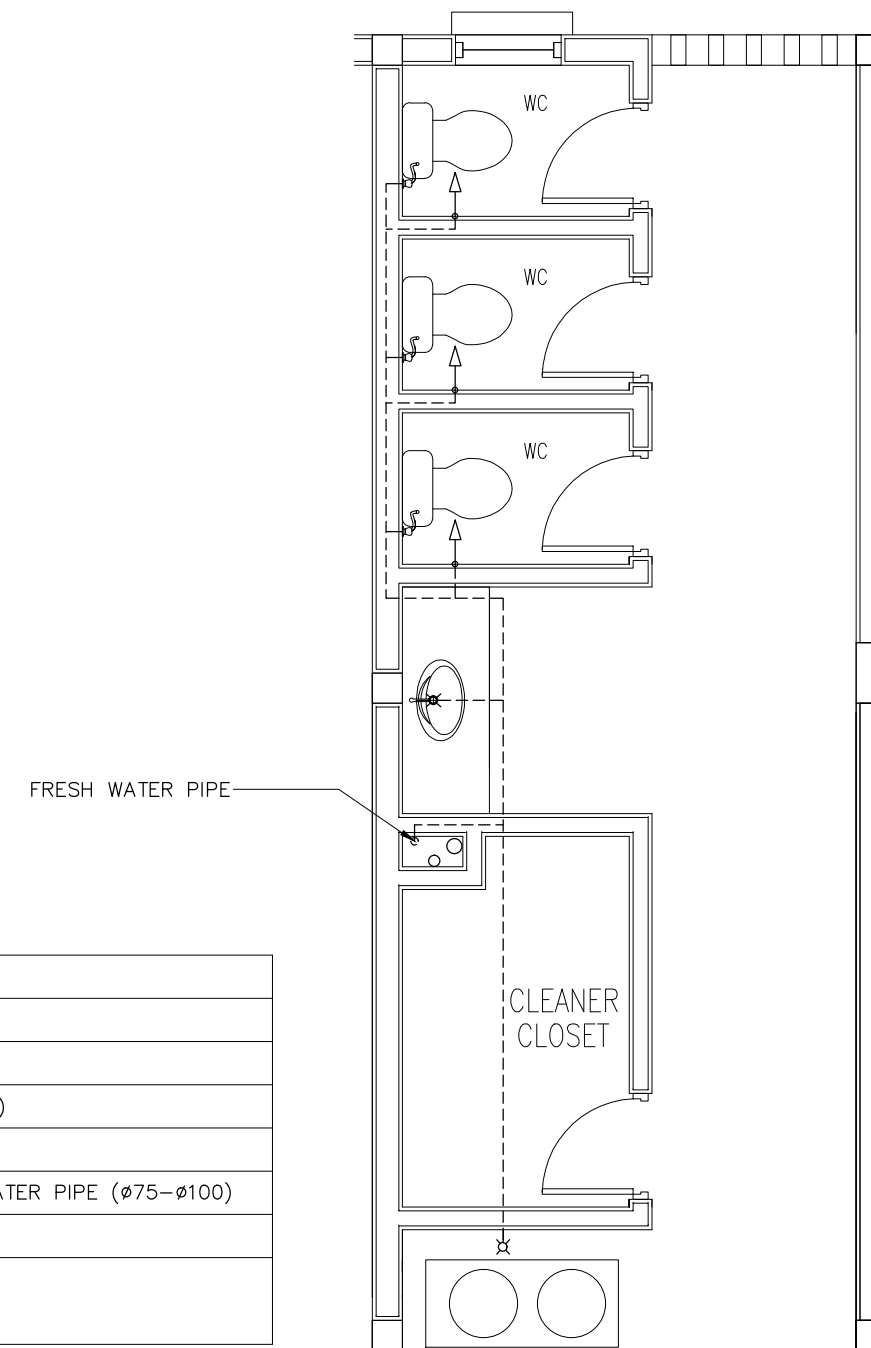
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**SEWAGE AND WASTE DISPOSAL
PLAN (TOILET TYPE 1)**
SCALE 1:50

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



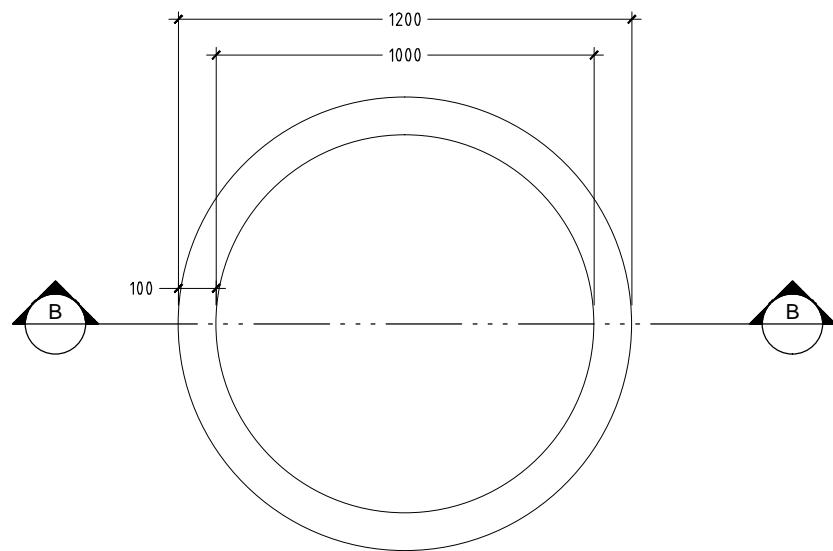
**FRESH WATER SUPPLY PLAN
(TOILET TYPE 1)**
SCALE 1:50

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

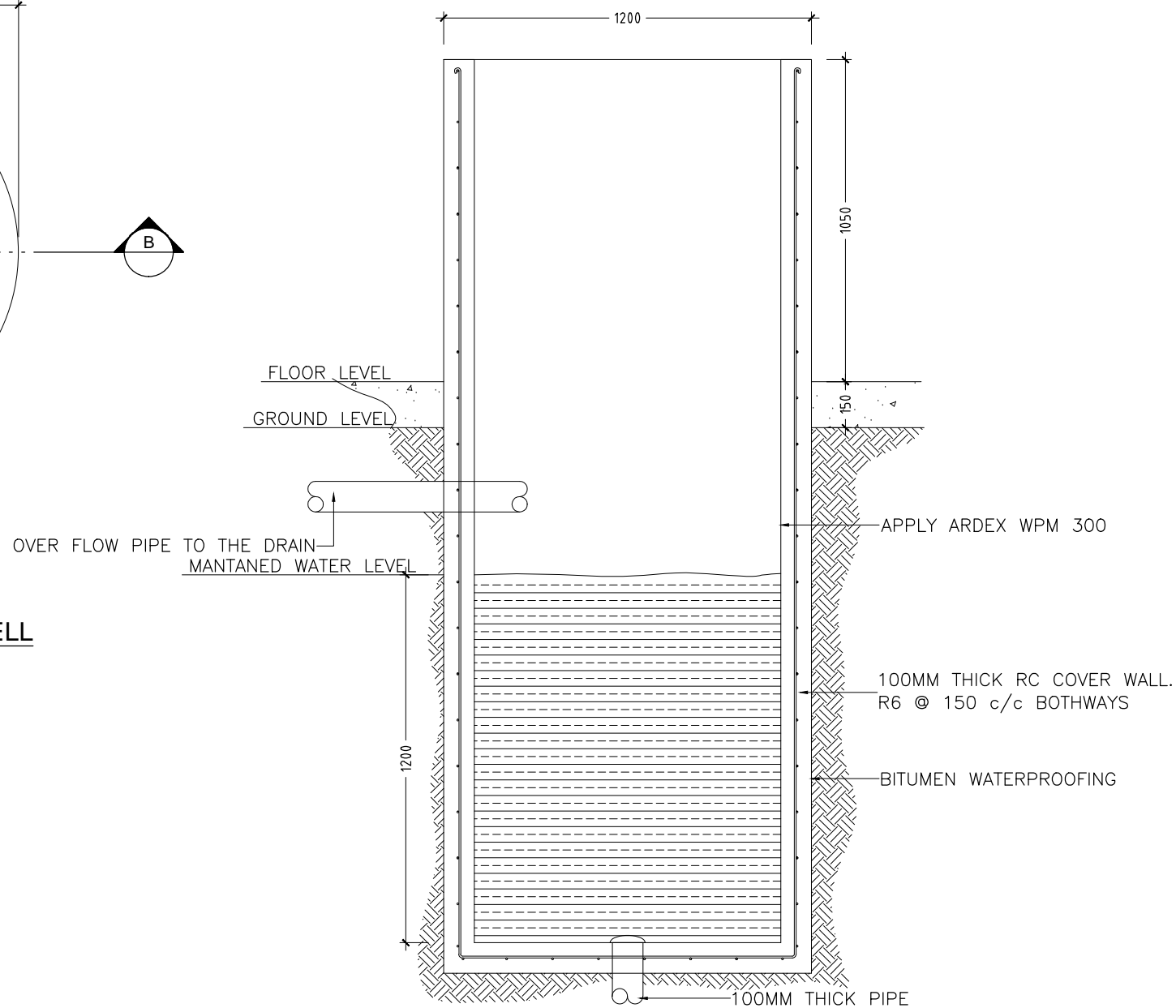
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admin@archeng.biz

REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: PROPOSED 04 CLASS ROOM BLOCK (02 STOREY)	<div>P-04</div> <div>DWG NO</div> <div>PROJECT NO.: 15-041</div>
	ENGINEER:	LOCATION: GA, NILANDHOO	
	SERVICES ENG:	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: ASFAN AHMED	SCALE: AS GIVEN DIMENSION: MM DATE: FEBRUARY 2016	

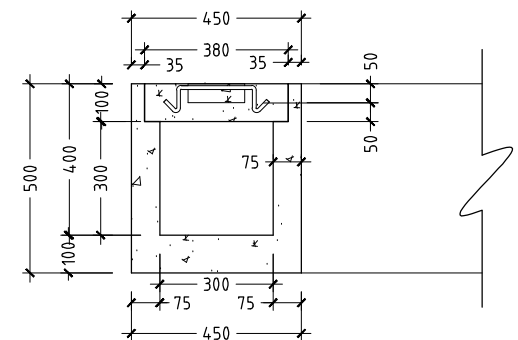
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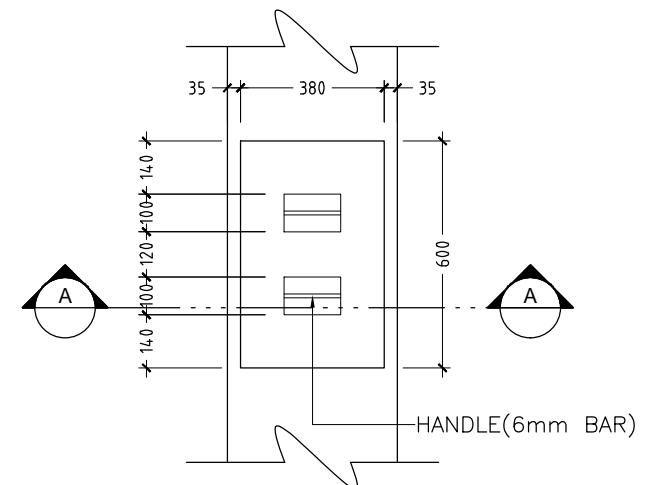
DETAIL B/ PLAN VIEW OF WELL
SCALE 1 : 20



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

CONTRACTORS MUST
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DIMENSIONS TO TAKE
PRECEDENCE OVER
SCALE READINGS

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REVISION:

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

PROJECT:	PROPOSED 04 CLASS ROOM BLOCK (02 STOREY)		
LOCATION:	GA. NILANDHOO		
DRAWING TITLE:	AS GIVEN		
CLIENT:	MINISTRY OF EDUCATION		
SCALE:	AS GIVEN	DIMENSION: MM	DATE: FEBRUARY 2016
DWG NO			PROJECT NO.: 15-041

P-05

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100MM THICK RC COVER WALL.
R6 @ 150 c/c BOTHWAYS

-BITUMEN WATERPROOFING

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PROPOSED 4 CLASS ROOM BLOCK AT GA. NILANDHOO

(2 STOREY)

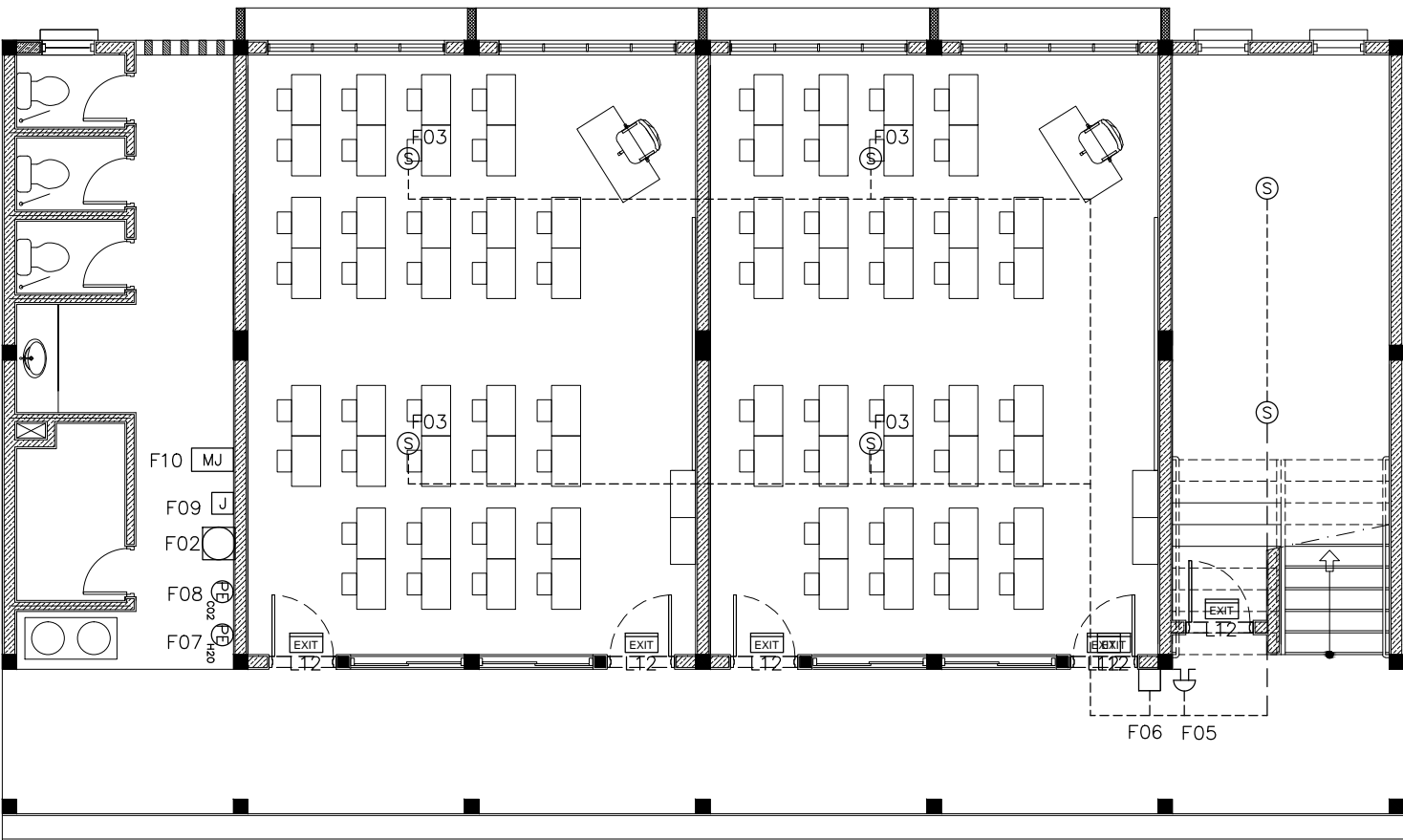
FIRE SAFETY DRAWINGS

FEBRUARY 2016

CLIENT : MINISTRY OF EDUCATION

DESIGN BY

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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
	F09	JUNCTION BOX
	F10	FIRE MAIN CONTROL PANEL

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

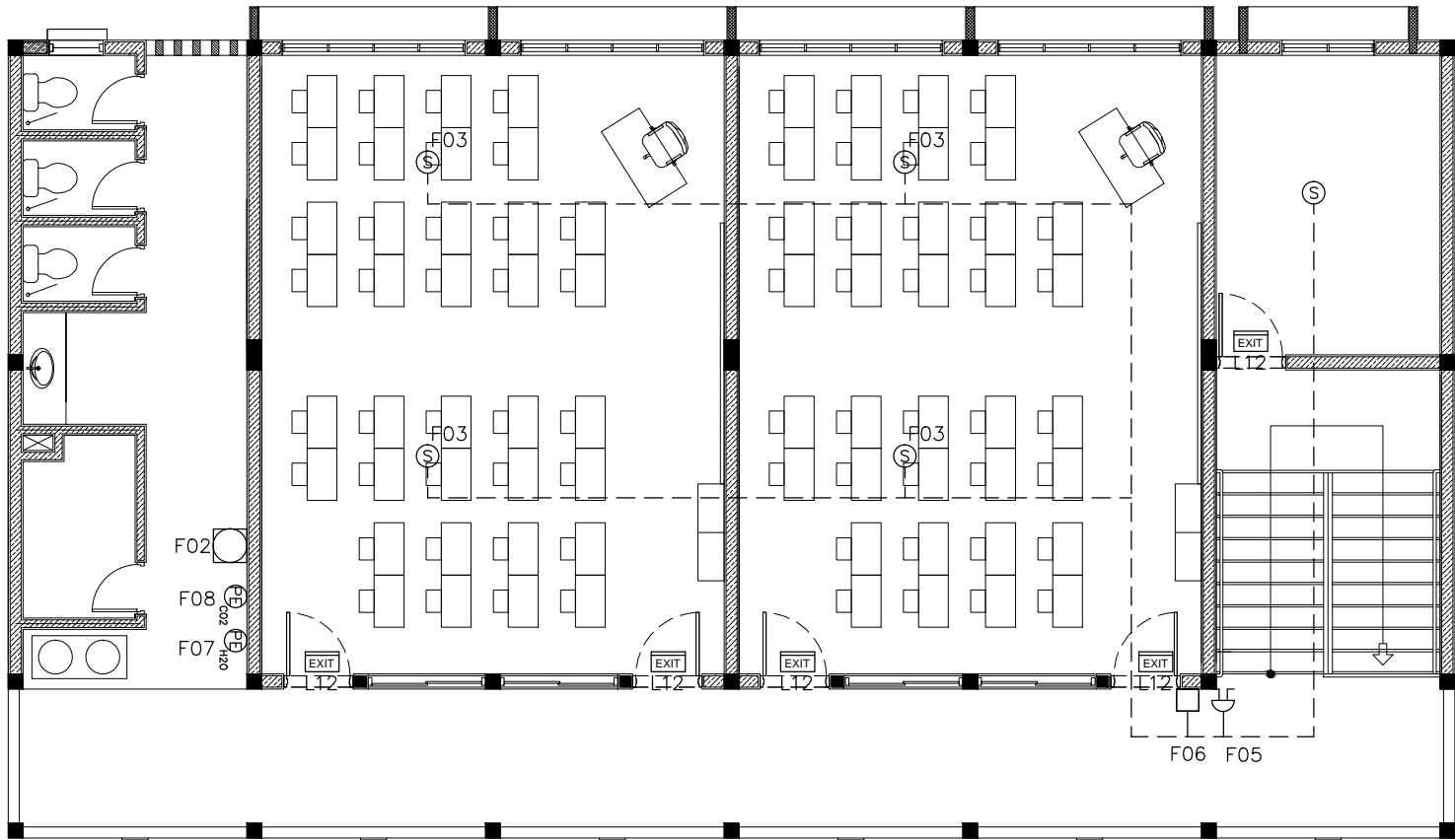
GROUND FLOOR FIRE SAFETY LAYOUT PLAN
SCALE 1:100

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DRAWINGS, FIGURED
DIMENSIONS TO TAKE
PRECEDENCE OVER
SCALE READINGS



REVISION:	ARCHITECT:	PROJECT:	F-01
	MOHAMED HAMEEN	PROPOSED 04 CLASS ROOM BLOCK (02 STOREY)	
	ENGINEER:	GA. NILANDHOO	
	SERVICES ENG:	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: ASFAN AHMED	SCALE: AS GIVEN	DWG NO
		DIMENSION: MM	PROJECT NO.: 15-041
		DATE: FEBRUARY 2016	

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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

1ST 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

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admin@archeng.biz

REVISION:

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

PROJECT: PROPOSED 04 CLASS ROOM BLOCK (02 STOREY)
LOCATION: GA. NILANDHOO
DRAWING TITLE: AS GIVEN
CLIENT: MINISTRY OF EDUCATION
SCALE: AS GIVEN
DIMENSION: MM
DATE: FEBRUARY 2016

F-02

DWG NO

PROJECT NO.: 15-041

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