

PROPOSED 08 CLASSROOM , 2 LABORATORY & MULTI PURPOSE HALL IN ATOLL EDUCATION CENTRE, F. NILANDHOO

(3 STOREY)

ENHANCING EDUCATION DEVELOPMENT PROJECT (EEDP)

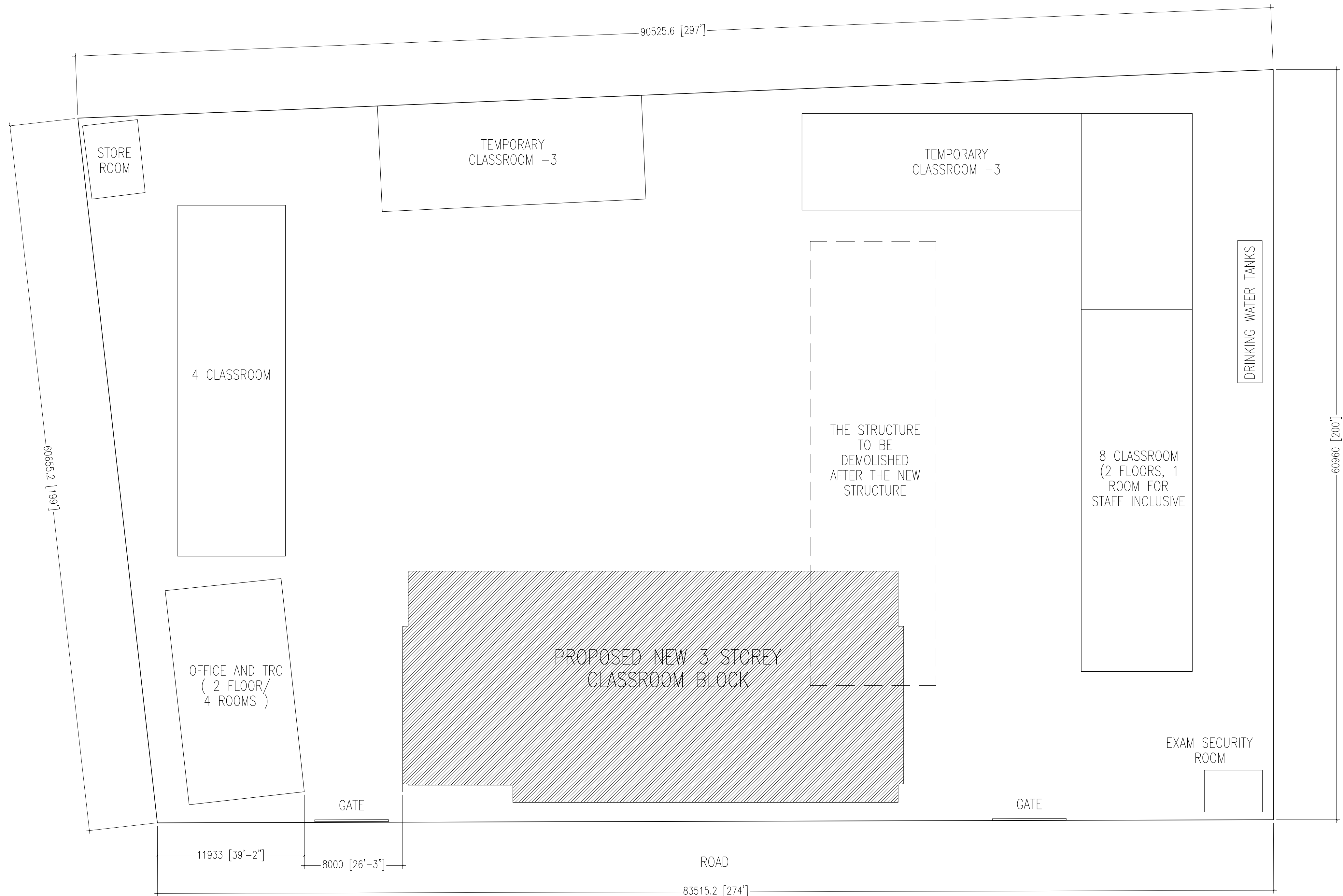
DETAIL DRAWINGS

AUGUST 2015

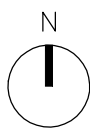
CLIENT : MINISTRY OF EDUCATION

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 : 673.388 SQM
SITE LAYOUT PLAN
SCALE 1:300



CONTRACTORS MUST
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SCALE READINGS



REVISION:	

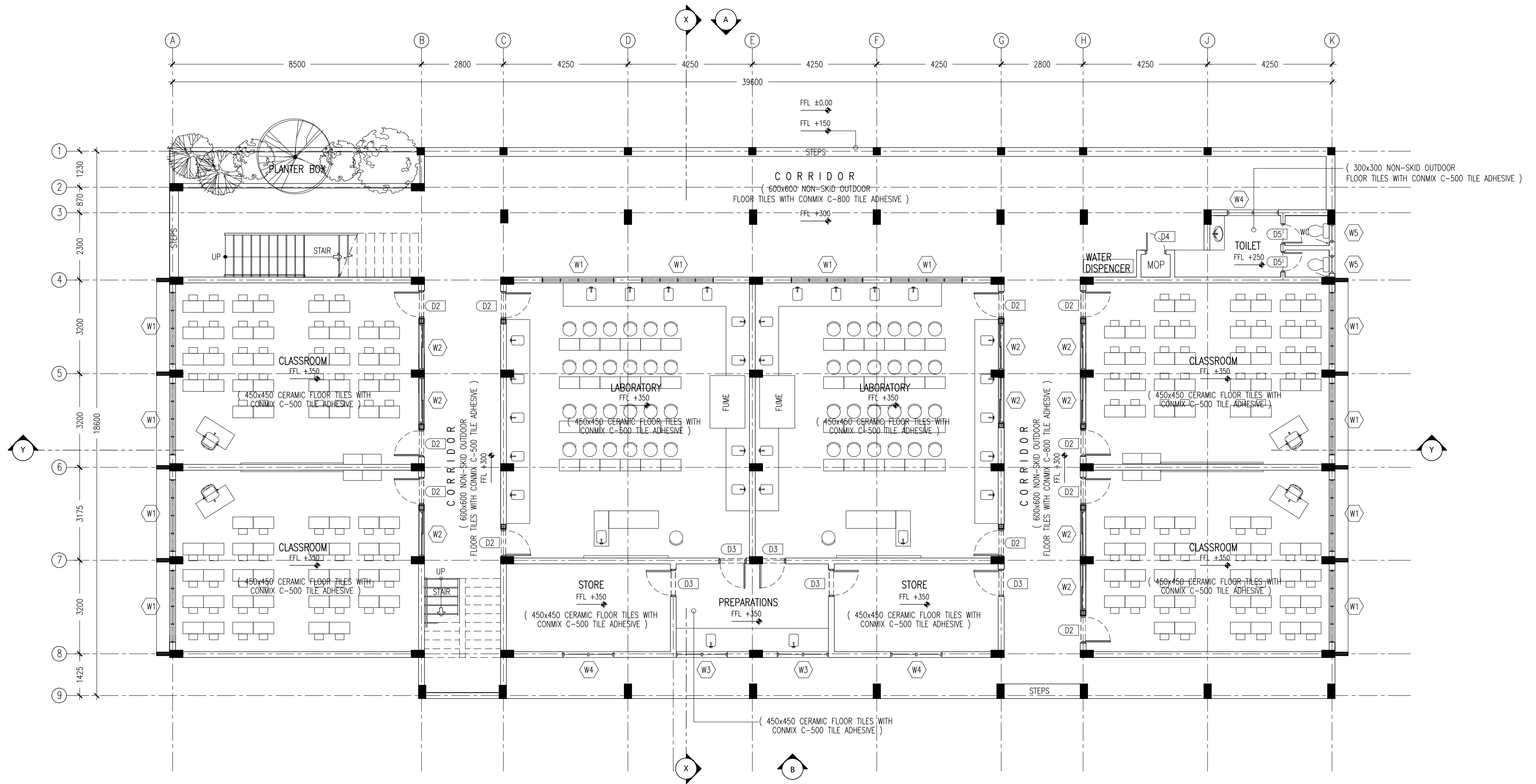
ARCHITECT:	MOHAMED HAMEEN
ENGINEER:	MOHAMED AHSAN
SERVICES ENG:	
ESTIMATOR:	
DRAWN BY:	ASFAN AHMED

PROJECT:	PROPOSED 08 CLASSROOM , 2 LABORATORY & MULTI PURPOSE HALL BLOCK		
LOCATION:	F.NILANDHOO		
DRAWING TITLE:	AS GIVEN		
CLIENT:	MINISTRY OF EDUCATION		
SCALE:	AS GIVEN	DIMENSION:	MM
		DATE:	AUGUST 2015

A-01

DWG NO
PROJECT NO.: 14-124

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GROUND FLOOR LAYOUT PLAN
SCALE 1:100

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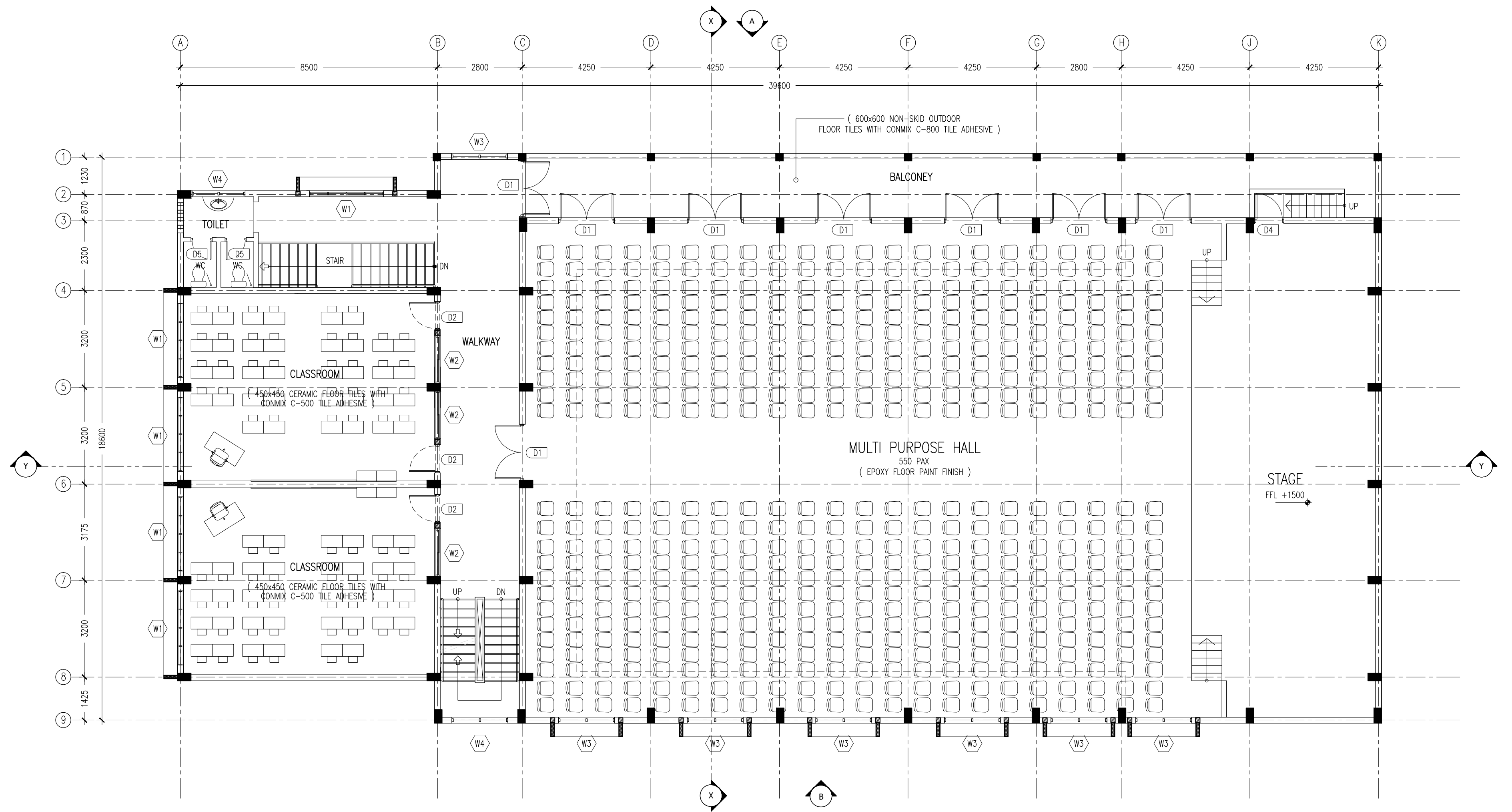
REVISION:

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

PROJECT: PROPOSED 08 CLASSROOM, 2 LABORATORY & MULTI PURPOSE HALL BLOCK
LOCATION: FANLANDHOO
DRAWING TITLE: AS GIVEN
CLIENT: MINISTRY OF EDUCATION
SCALE: AS GIVEN DIMENSION: MM DATE: AUGUST 2015

A-02
DWG NO
PROJECT NO: 14-124

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1ST FLOOR LAYOUT PLAN
SCALE 1:100

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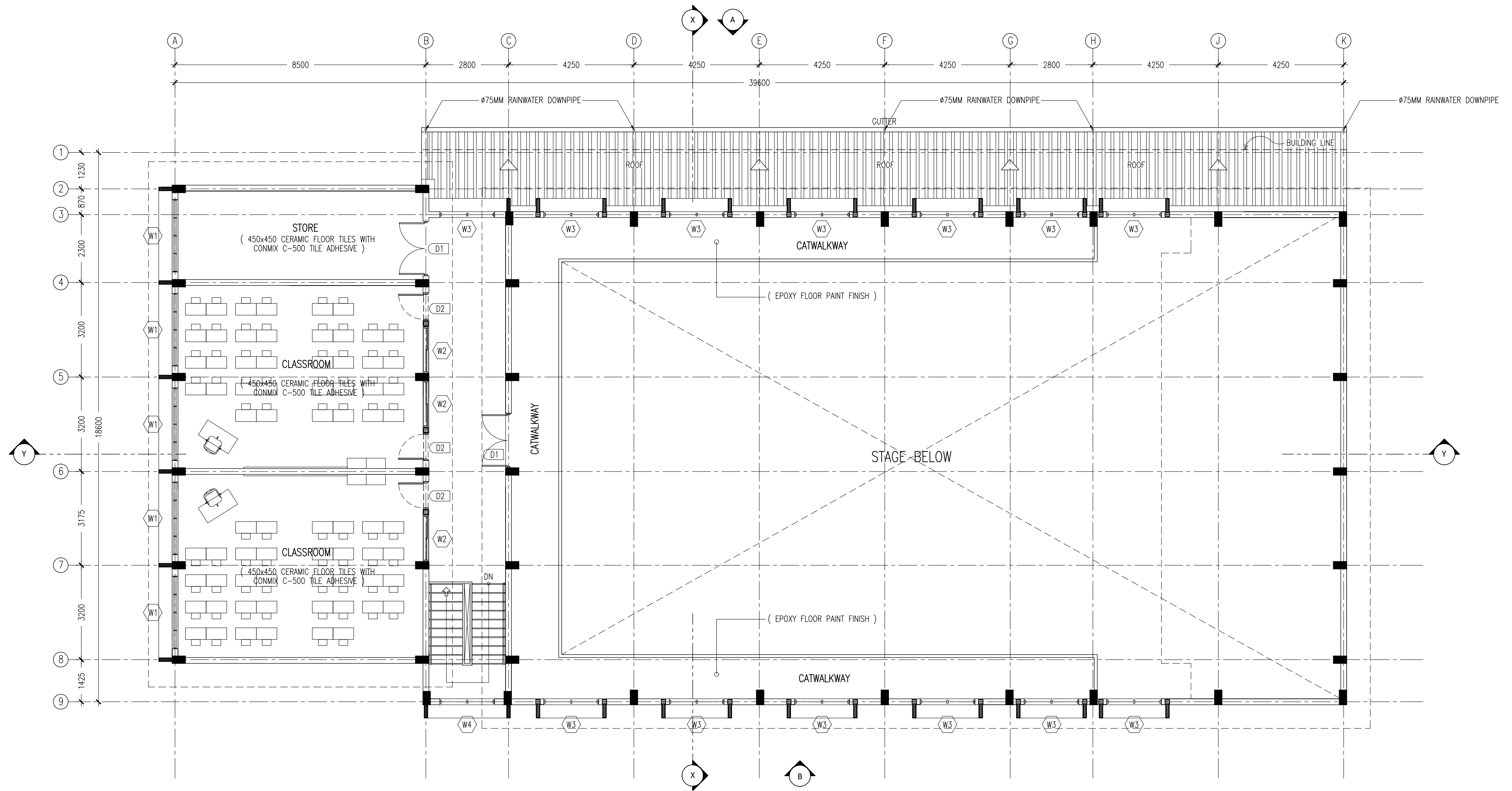
REVISION:

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

PROJECT: PROPOSED 08 CLASSROOM, 2 LABORATORY & MULTI PURPOSE HALL BLOCK
LOCATION: F.NILANDHOO
DRAWING TITLE: AS GIVEN
CLIENT: MINISTRY OF EDUCATION
SCALE: AS GIVEN DIMENSION: MM DATE: AUGUST 2015
PROJECT NO.: 14-124

A-03
DWG NO

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2ND FLOOR LAYOUT PLAN
SCALE 1:100

CONTRACTORS MUST
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PRECEDENCE OVER
SCALE READINGS

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REVISION:

DRAWN BY: ASFAN AHMED

ARCHITECT: MOHAMED HAMEEN
ENGINEER: MOHAMED AHSAN
SERVICES ENG:
ESTIMATOR:
SCALE: AS GIVEN

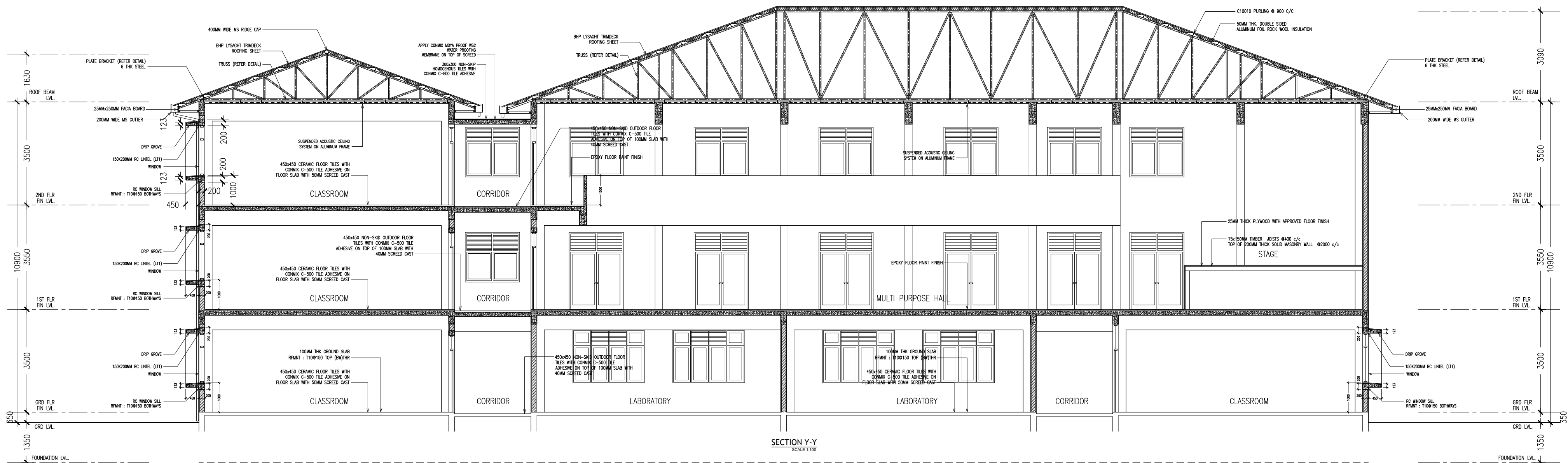
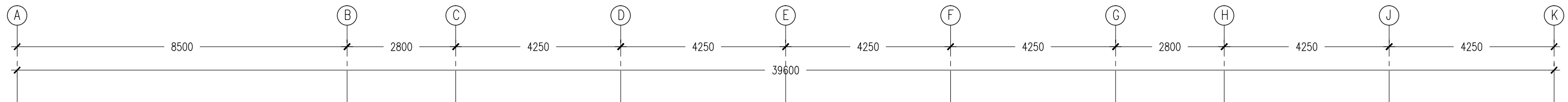
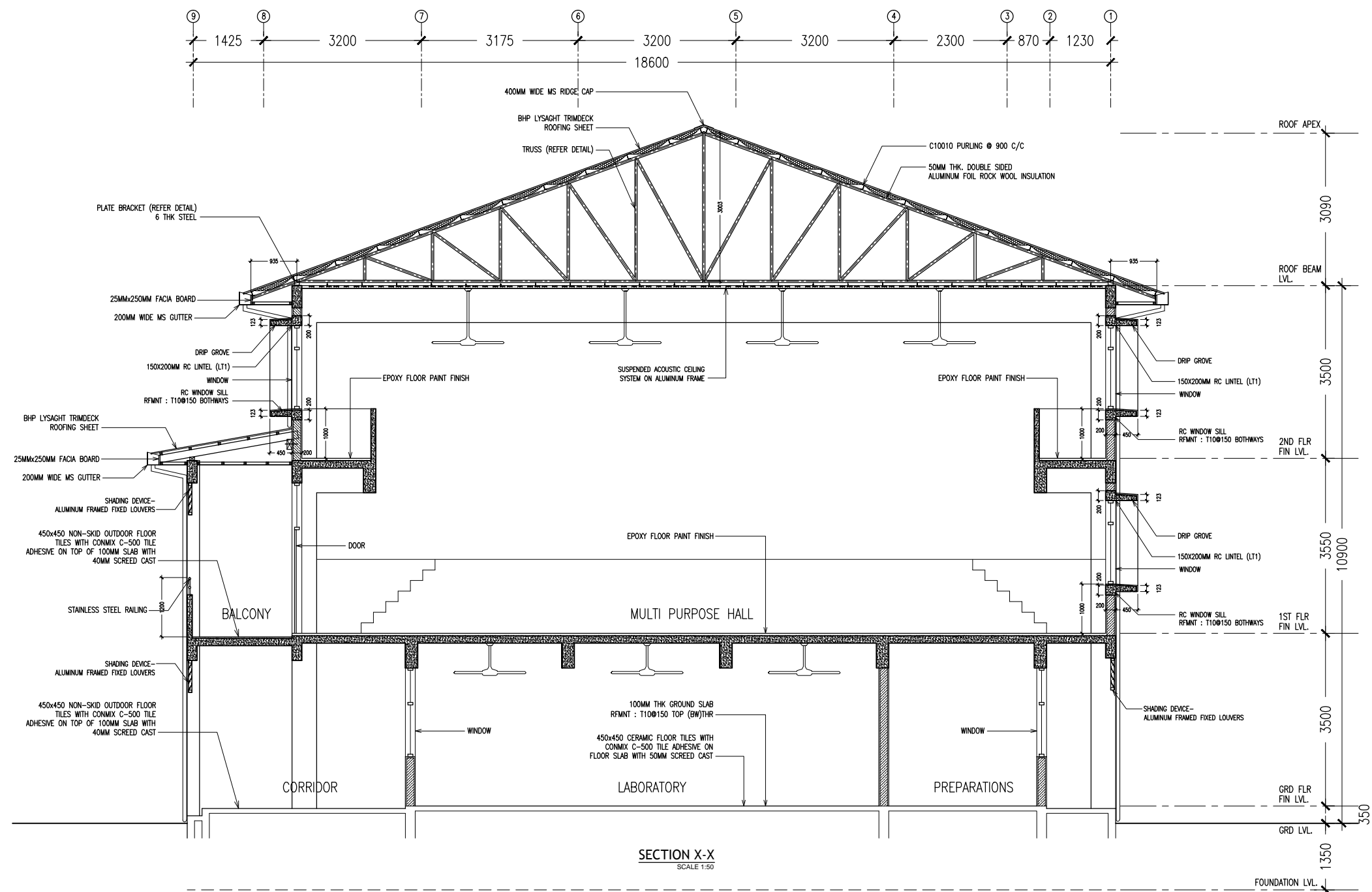
PROJECT: PROPOSED OF CLASSROOM, 2 LABORATORY & MULTI PURPOSE HALL BLOCK
LOCATION: F.NILANDHOO
DRAWING TITLE: AS GIVEN
CLIENT: MINISTRY OF EDUCATION
SCALE: AS GIVEN
DIMENSION: MM
DATE: AUGUST 2015

A-04

DWG NO
PROJECT NO.: 14-124

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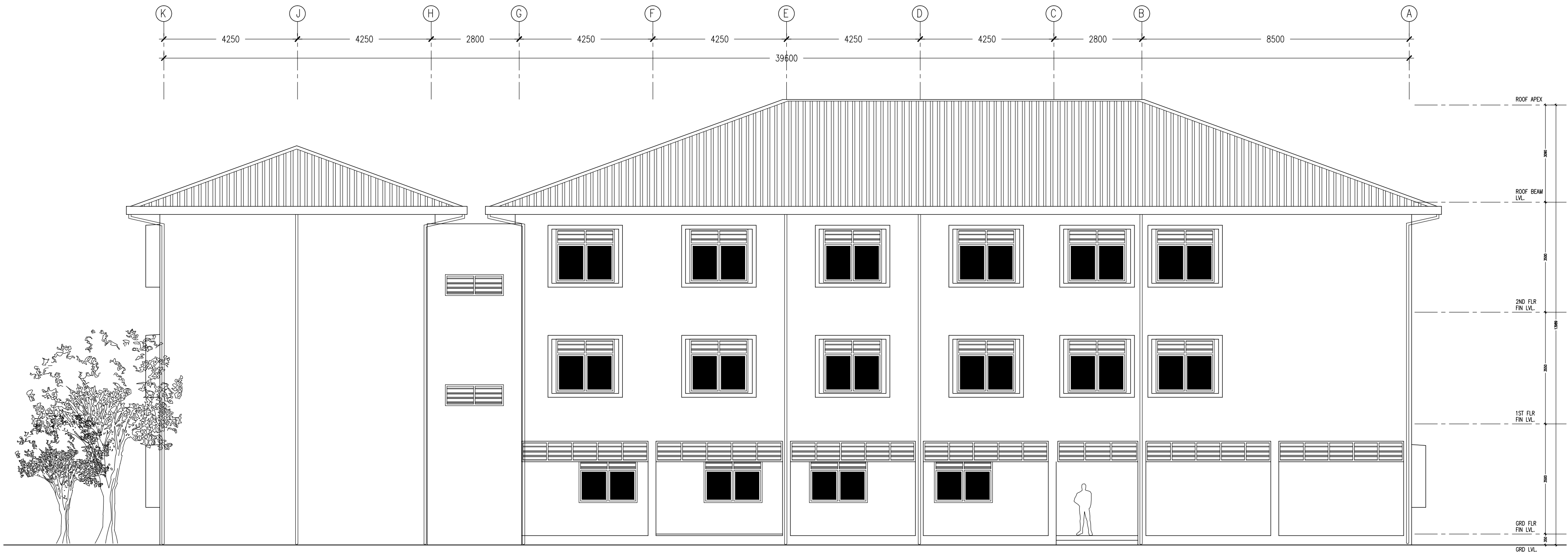
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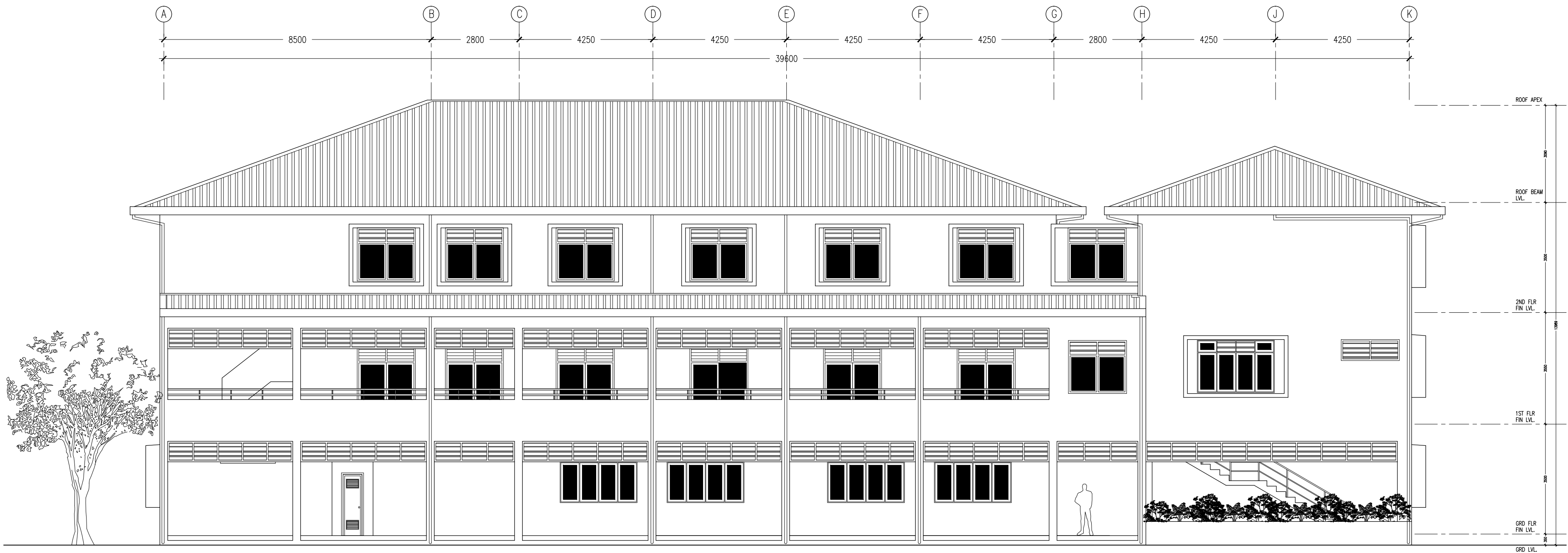
REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: PROPOSED 08 CLASSROOM, 2 LABORATORY & MULTI PURPOSE HALL BLOCK
	ENGINEER: MOHAMED AHSAN	LOCATION: F.NILANDHOO
	SERVICES ENG:	DRAWING TITLE: AS GIVEN
	ESTIMATOR: MINISTRY OF EDUCATION	CLIENT:
	DRAWN BY: ASFAN AHMED	SCALE: AS GIVEN
		DIMENSION: MM
		DATE: AUGUST 2015
		DWG NO
		PROJECT NO: 14-124

A-06

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ELEVATION -B
SCALE 1:100



ELEVATION -A
SCALE 1:100

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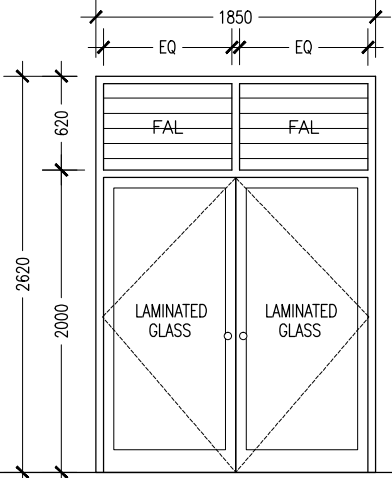
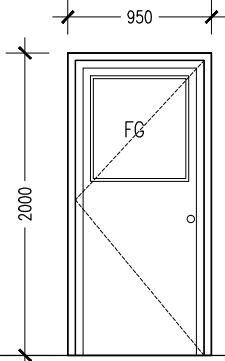
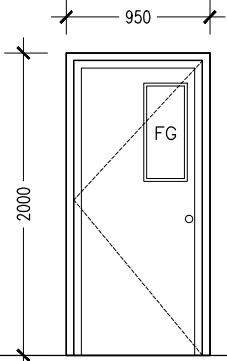
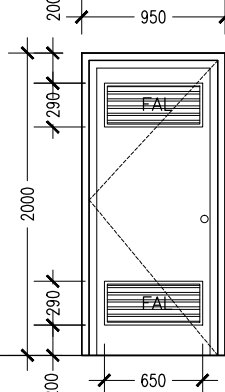
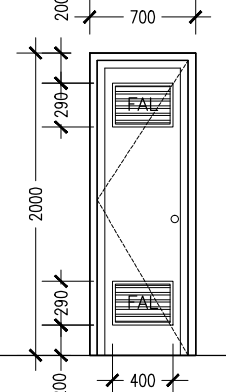
REVISION:

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

PROJECT: PROPOSED 06 CLASSROOM, 2 LABORATORY & MULTI PURPOSE HALL BLOCK
LOCATION: F.NILANDHOO
DRAWING TITLE: AS GIVEN
CLIENT: MINISTRY OF EDUCATION
SCALE: AS GIVEN DIMENSION: MM DATE: AUGUST 2015

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

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ELEVATIONS :					
DR / WD NO.	D1	D2	D3	D4	D5
DESCRIPTION :	ALUMINIUM FRAMED OPENABLE DOOR PANEL	40MM THICK OPENABLE SOLID TIMBER DOOR PANEL	40MM THICK OPENABLE ALUMINIUM DOOR PANEL	40MM THICK OPENABLE ALUMINIUM DOOR PANEL	40MM THICK OPENABLE ALUMINIUM DOOR PANEL
FRAME :	80 MICRON WHITE POWDER COATED ALUMINIUM 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	DOOR CLOSER CYLINDRICAL LOCK BUTT HINGE STOPPER HOLDER	DOOR CLOSER CYLINDRICAL LOCK BUTT HINGE STOPPER HOLDER
GLAZING :	6MM THICK BLUE TINTED LAMINATED GLASS	C-4MM	C-4MM	C-4MM	C-4MM

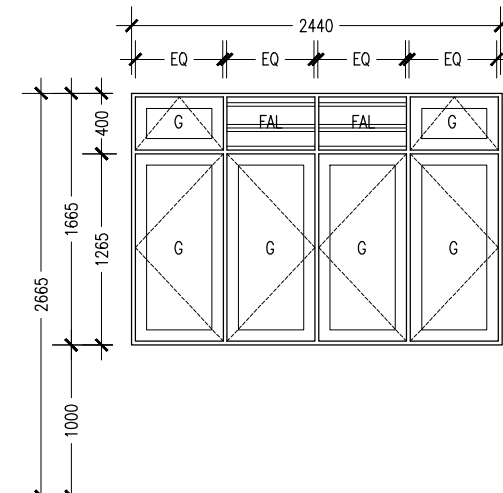
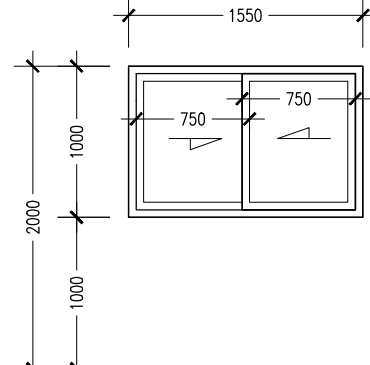
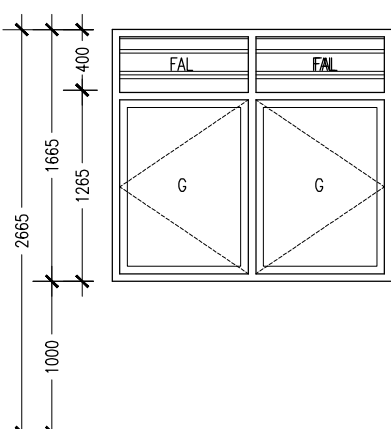
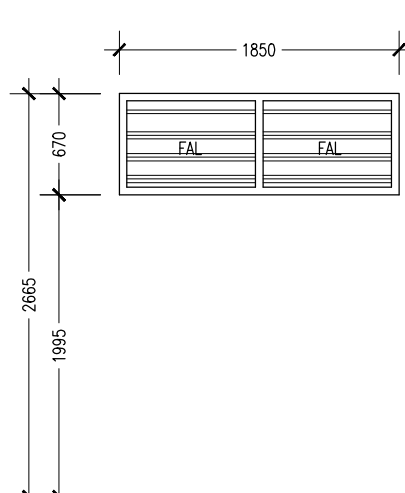
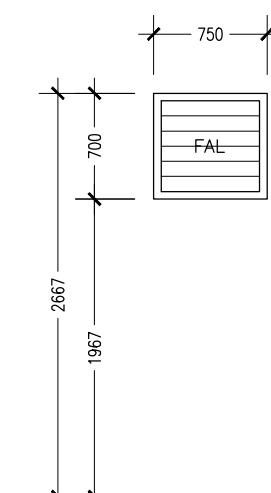
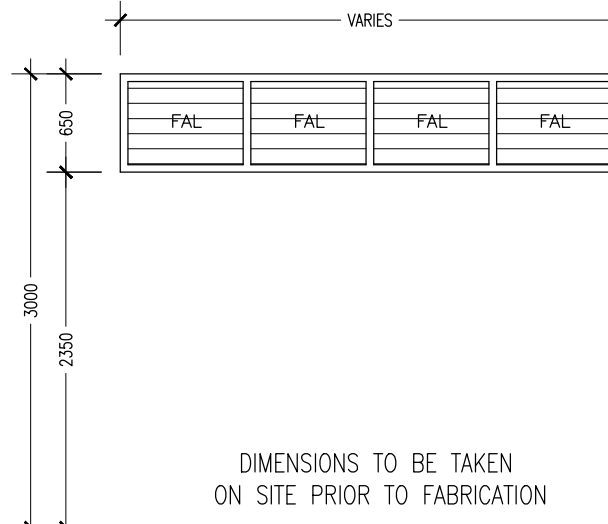
GENERAL NOTES:

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

ALL DIMENSIONS TO BE CHECKED ON SITE PRIOR TO FABRICATION

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

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

ELEVATIONS :						
	DIMENSIONS TO BE TAKEN ON SITE PRIOR TO FABRICATION					
DR / WD NO.	W1	W2	W3	W4	W5	SHADING DEVICE (TYPICAL)
DESCRIPTION :	ALUMINIUM FRAMED WINDOW PANEL	ALUMINIUM FRAMED SLIDING WINDOW PANEL	ALUMINIUM FRAMED WINDOW PANEL	ALUMINIUM FRAMED FIXED WINDOW PANEL WITH FIXED ALUMINIUM LOUVERS	ALUMINIUM FRAMED FIXED WINDOW PANEL WITH FIXED ALUMINIUM LOUVERS	ALUMINIUM FRAMED FIXED LOUVERS
FRAME :	80 MICRON WHITE POWDER COATED ALUMINIUM FRAME	80 MICRON WHITE POWDER COATED ALUMINIUM FRAME	80 MICRON WHITE POWDER COATED ALUMINIUM FRAME	80 MICRON WHITE POWDER COATED ALUMINIUM FRAME	80 MICRON WHITE POWDER COATED ALUMINIUM FRAME	80 MICRON WHITE POWDER COATED ALUMINIUM FRAME
HARDWARE :						
GLAZING :	C-5MM THICK BLUE TINTED GLASS	C-5MM THICK BLUE TINTED GLASS	C-5MM THICK BLUE TINTED GLASS	6MM THICK BLUE TINTED LAMINATED GLASS	6MM THICK BLUE TINTED LAMINATED GLASS	

DIMENSIONS TO BE TAKEN ON SITE PRIOR TO FABRICATION

DOOR / WINDOW SCHEDULE

SCALE 1:50

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REVISION:

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

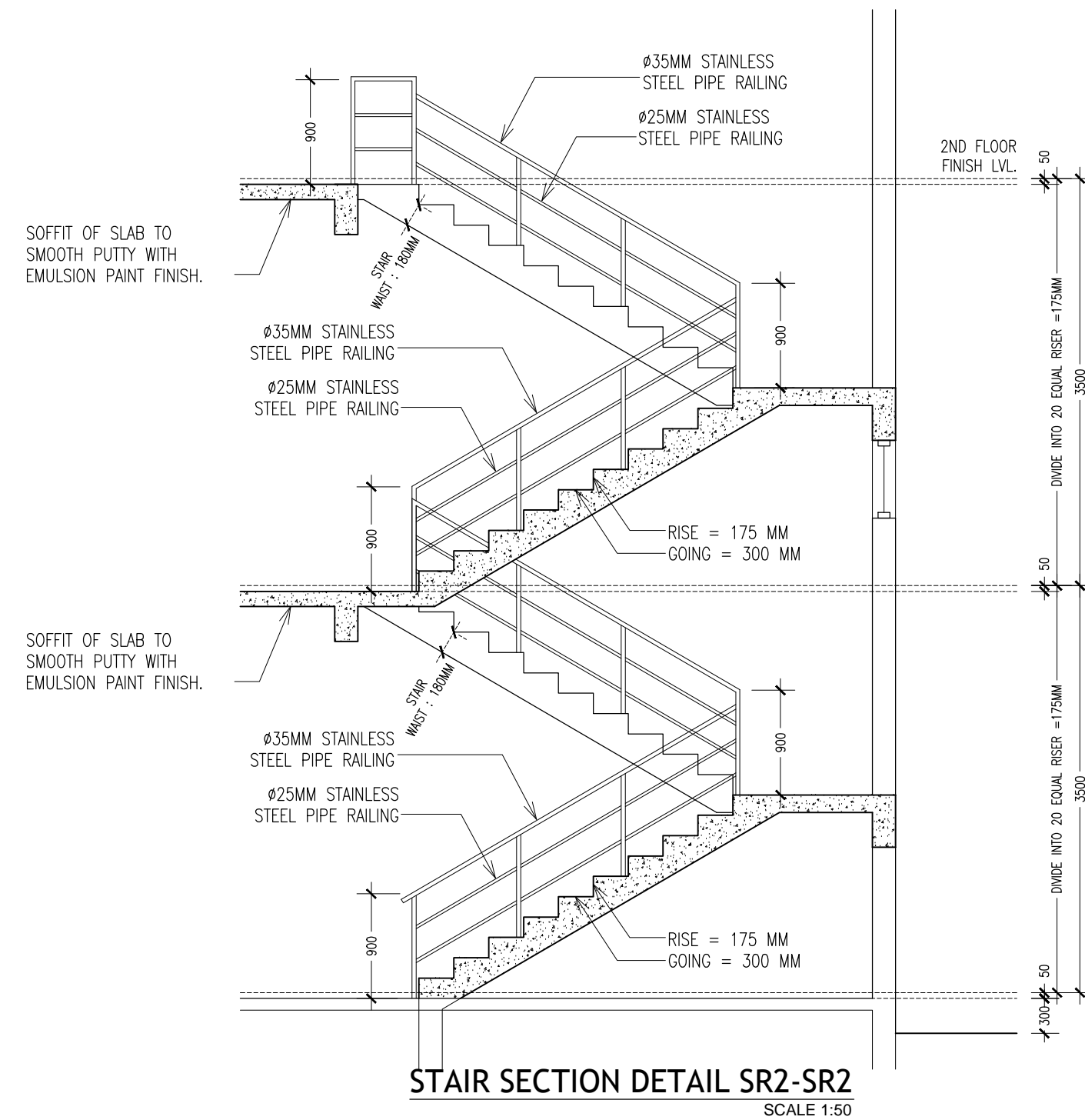
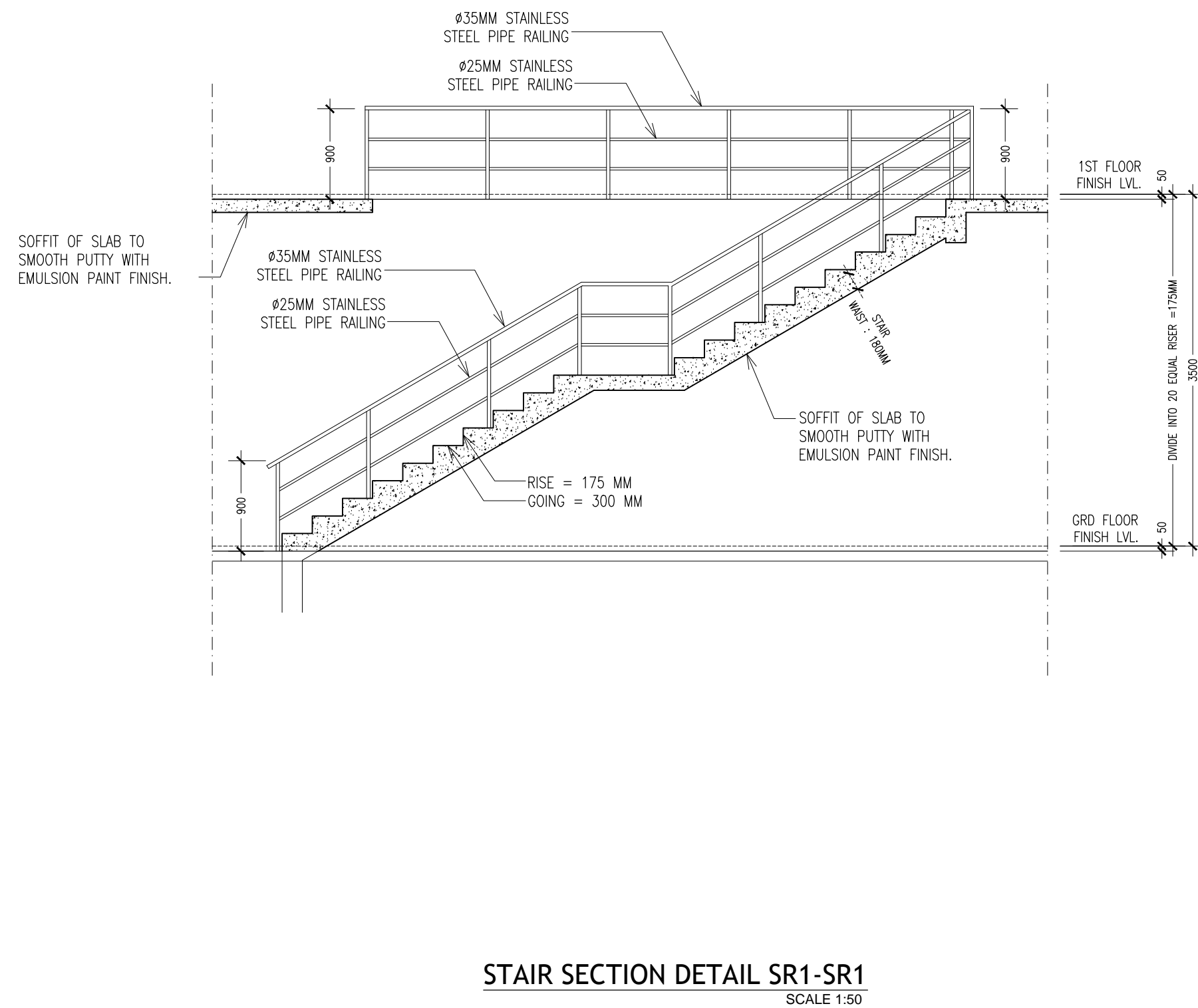
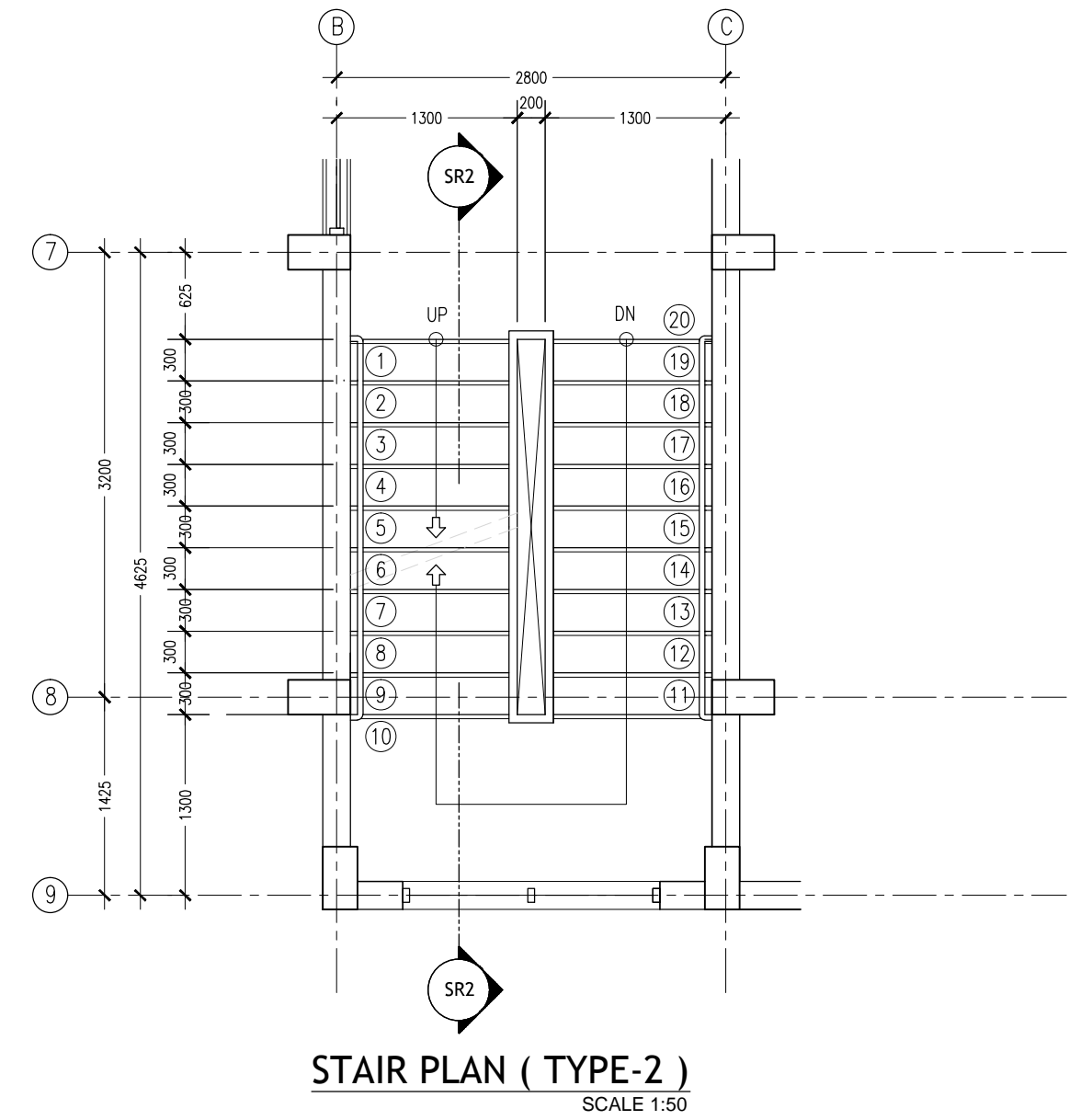
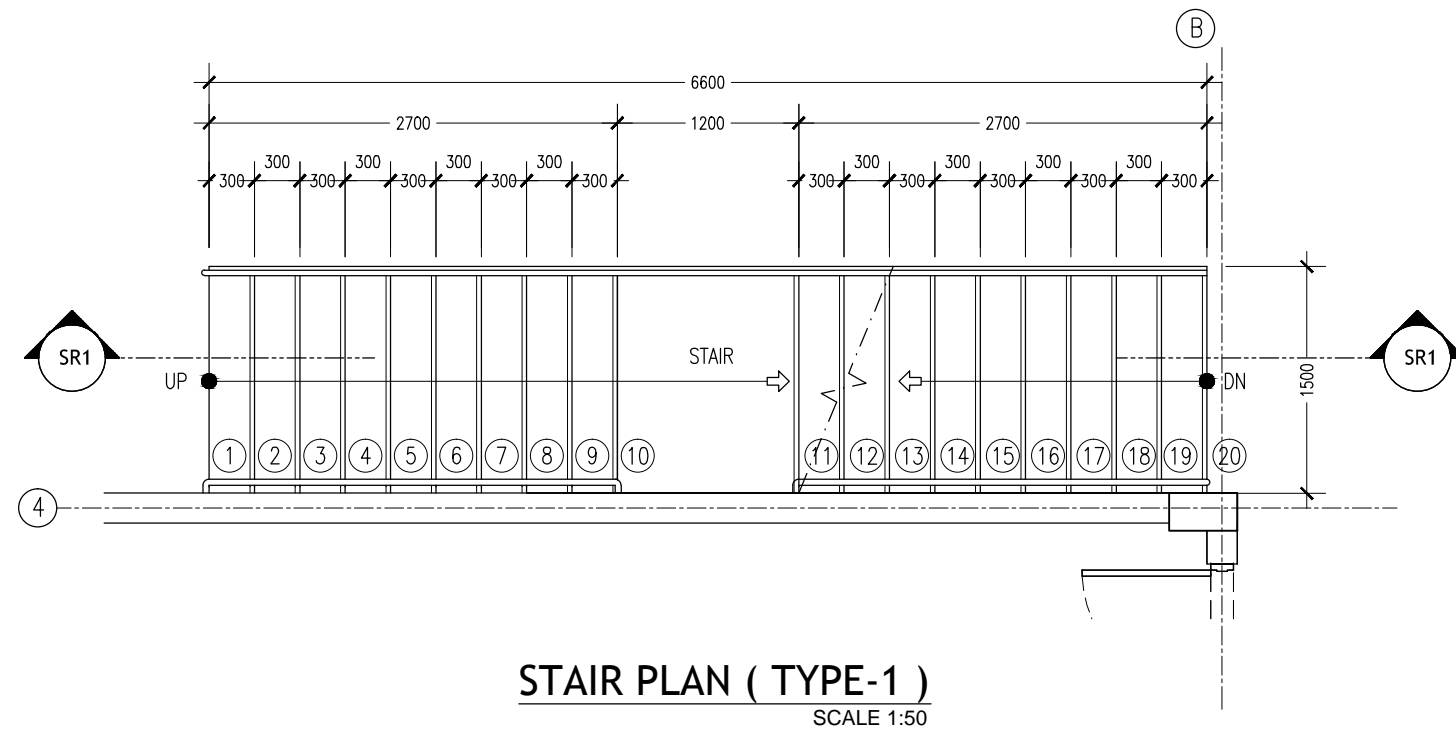
PROJECT: PROPOSED 08 CLASSROOM, 2 LABORATORY & MULTI PURPOSE HALL BLOCK
LOCATION: F-MILANDHOO
DRAWING TITLE: AS GIVEN
CLIENT: MINISTRY OF EDUCATION
SCALE: AS GIVEN
DIMENSION: MM
DATE: AUGUST 2015

A-08

DWG NO

PROJECT NO.: 14-124

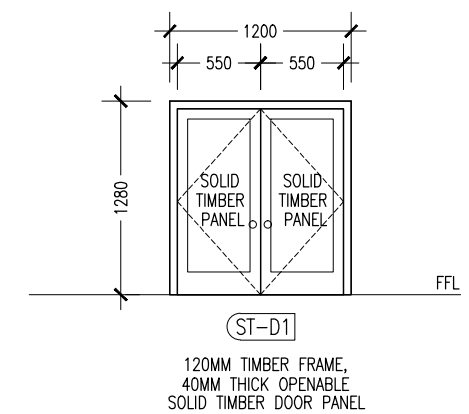
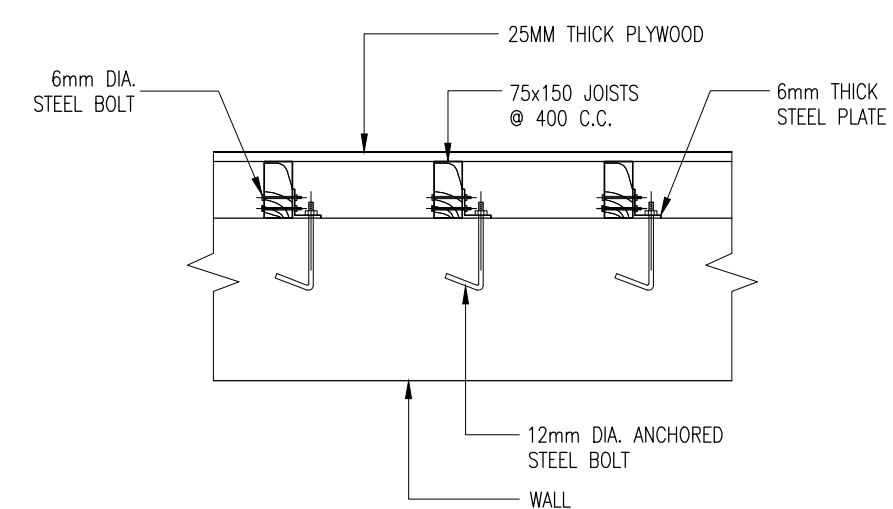
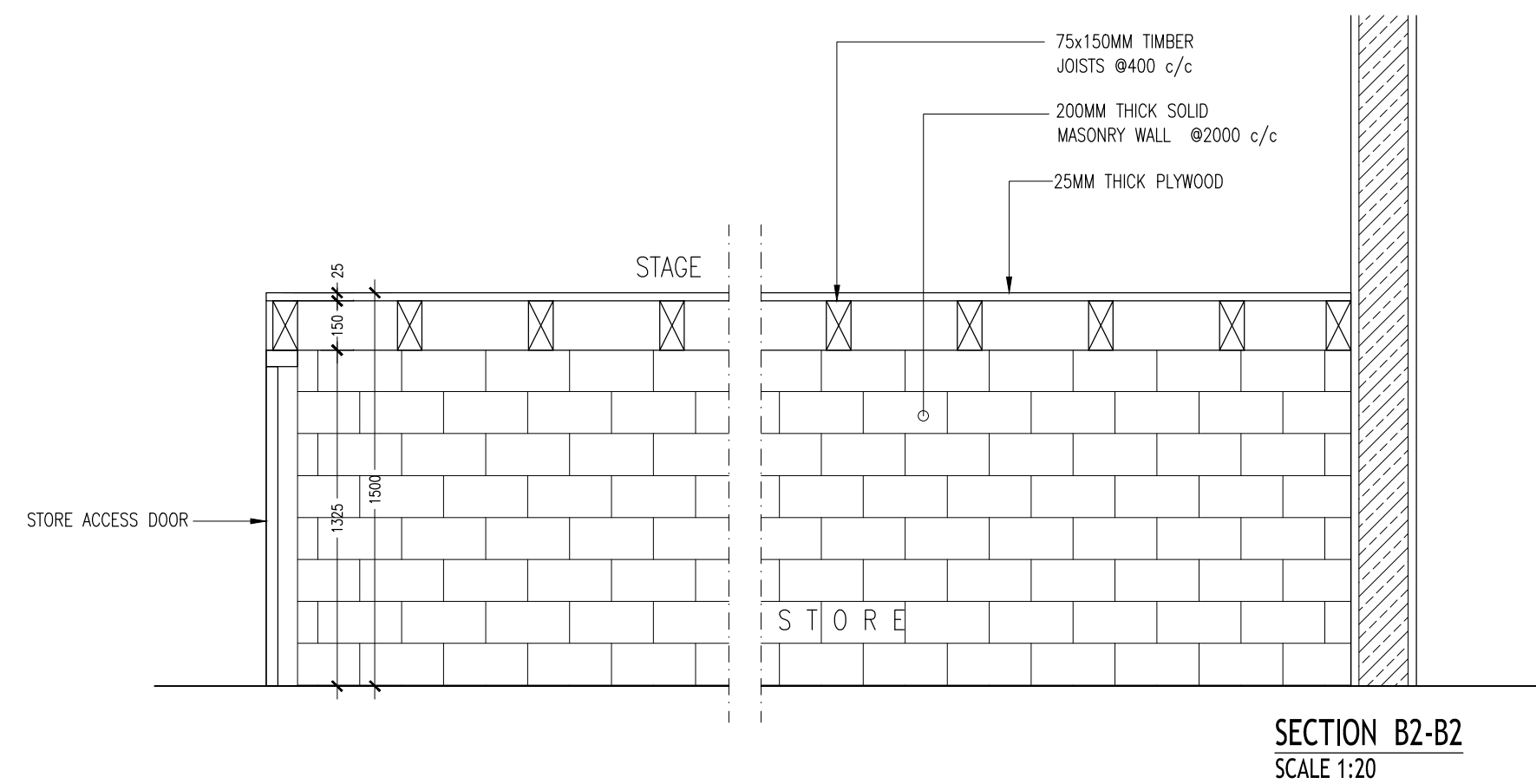
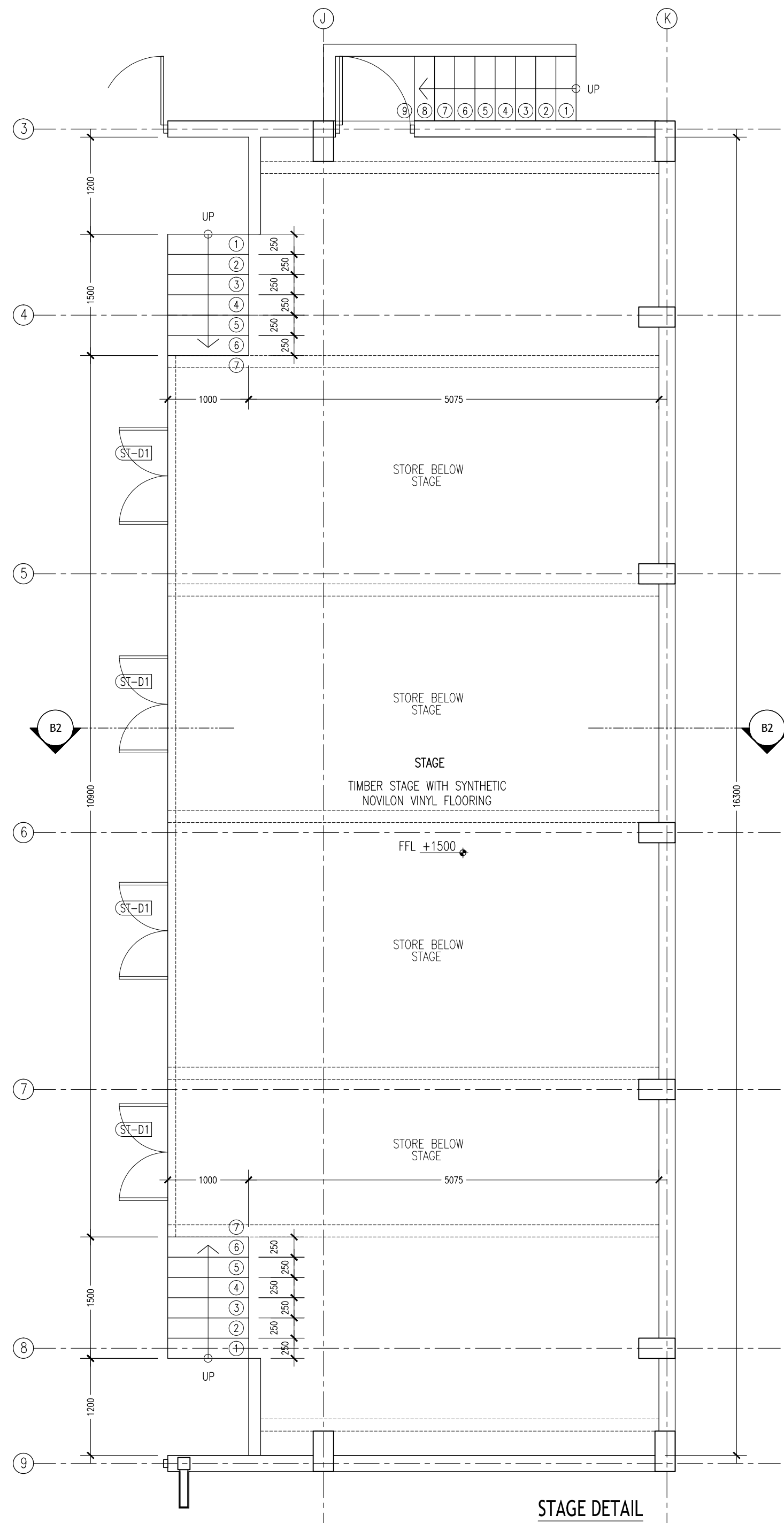
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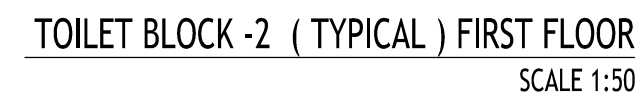
REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: PROPOSED OR CLASSROOM , 2 LABORATORY & MULTI PURPOSE HALL BLOCK	A-09
	ENGINEER: MOHAMED AHSAN	LOCATION: F.NILANDHOO	
	SERVICES ENG: AS GIVEN	DRAWING TITLE: AS GIVEN	
	ESTIMATOR: MINISTRY OF EDUCATION	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: ASFAN AHMED	SCALE: AS GIVEN	
		DIMENSION: MM	DATE: AUGUST 2015
			PROJECT NO.: 14-124

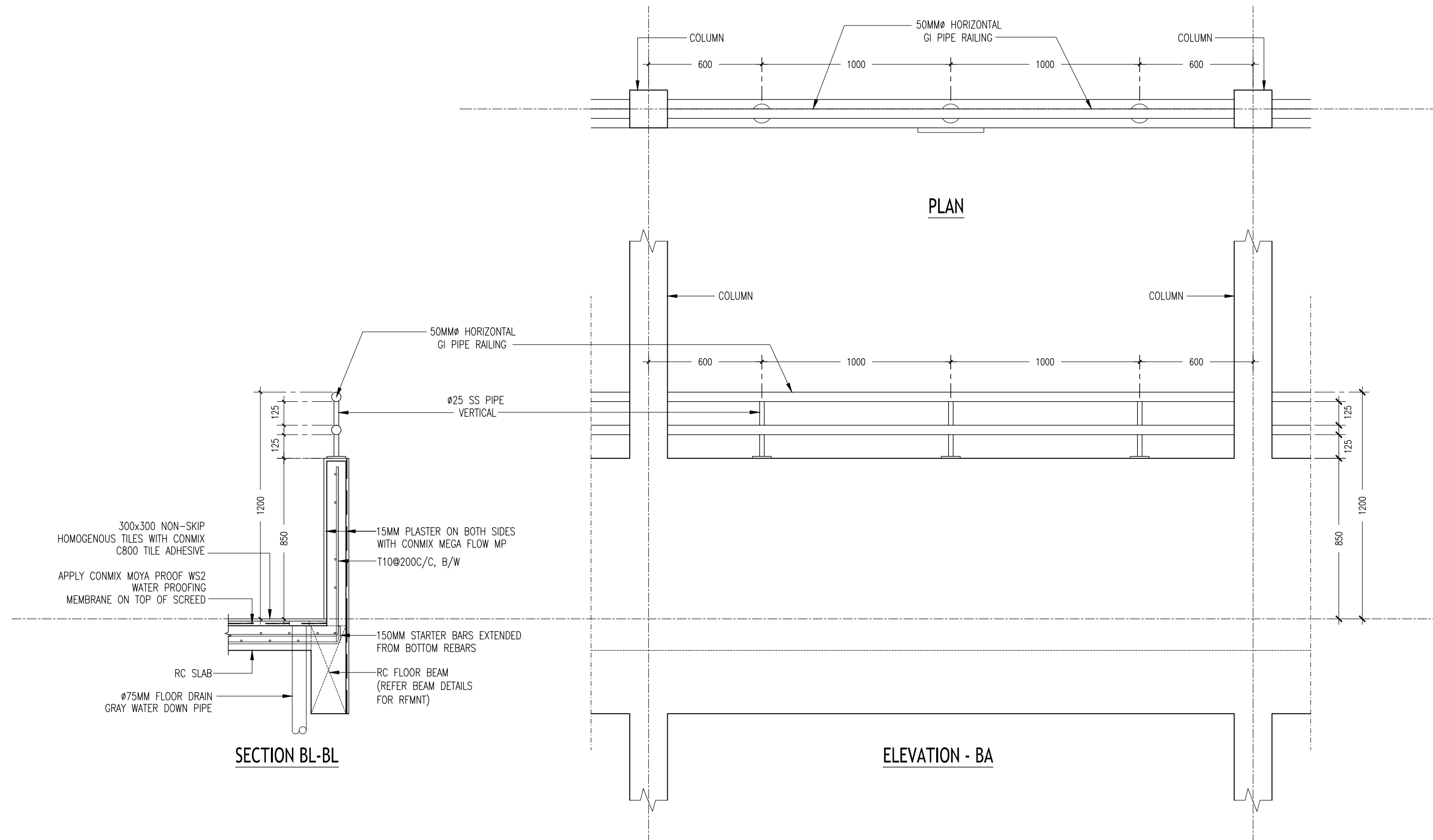


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REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: PROPOSED 08 CLASSROOM , 2 LABORATORY & MULTI PURPOSE HALL BLOCK	<div style="font-size: 48px; font-weight: bold; text-align: center;">A-10</div> <div style="text-align: right;">DWG NO</div>
	ENGINEER: MOHAMED AHSAN	LOCATION: F.NILANDHOO	
	SERVICES ENG:	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: ASFAN AHMED	SCALE: AS GIVEN DIMENSION: MM DATE: AUGUST 2015	
<div style="text-align: right;">PROJECT NO.: 14-124</div>			

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TYPICAL BALCONY PARAPET WALL (TYPE - 1) FRONT
SCALE 1:20

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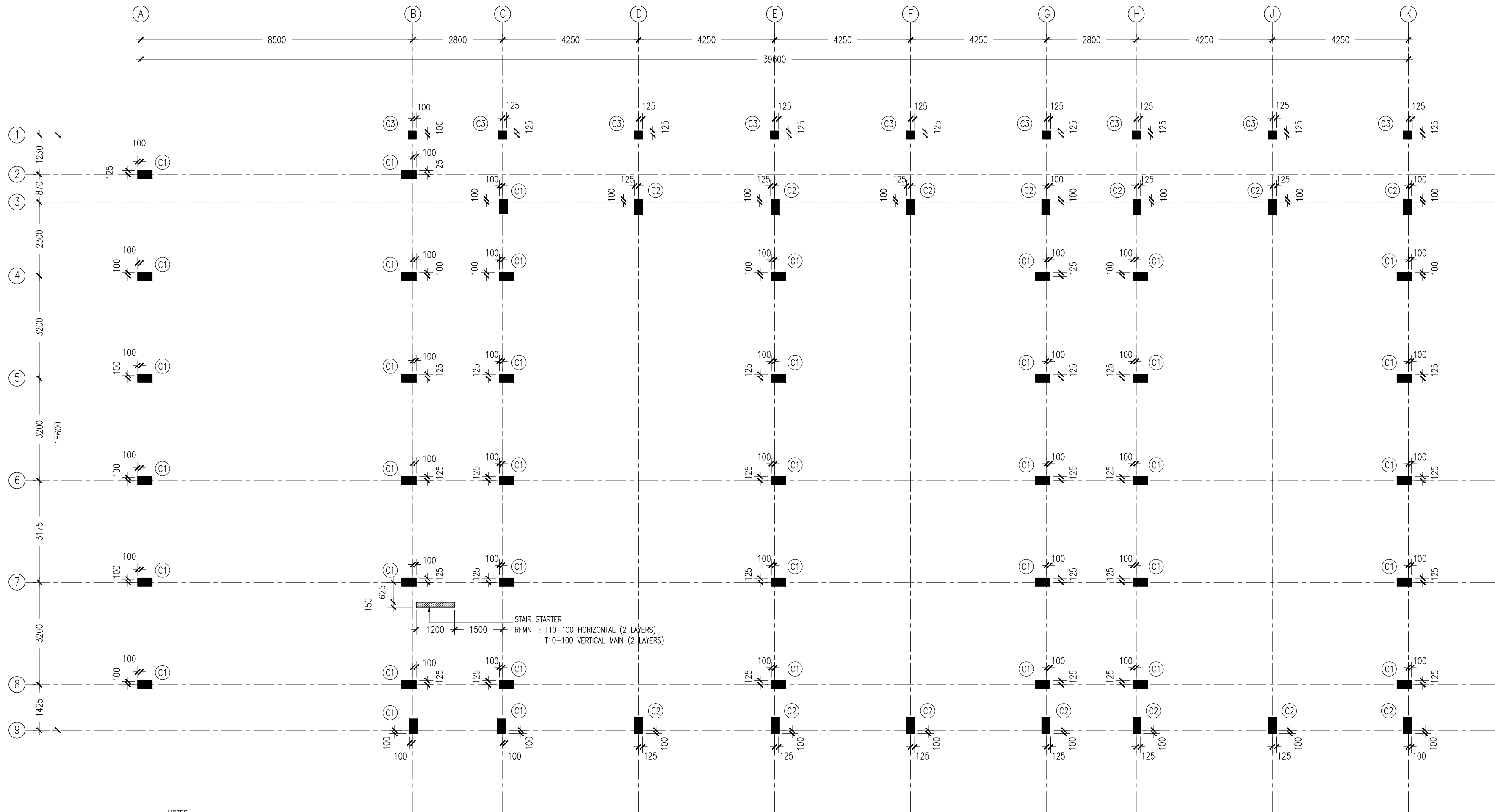
REVISION:

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

PROJECT: PROPOSED 08 CLASSROOM : 2 LABORATORY & MULTI PURPOSE HALL BLOCK
LOCATION: F.NILANDHOO
DRAWING TITLE: AS GIVEN
CLIENT: MINISTRY OF EDUCATION
SCALE: AS GIVEN
DIMENSION: MM
DATE: AUGUST 2015

A-12
DWG NO.
PROJECT NO.: 14-124

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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.
- APPLY 2 COATS OF CONMIX MOYA SHIELD RBE TO ALL STRUCTURE CONCRETE BELOW GROUND LEVEL.

COLUMN SETTING PLAN
SCALE 1:100

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REVISION:	

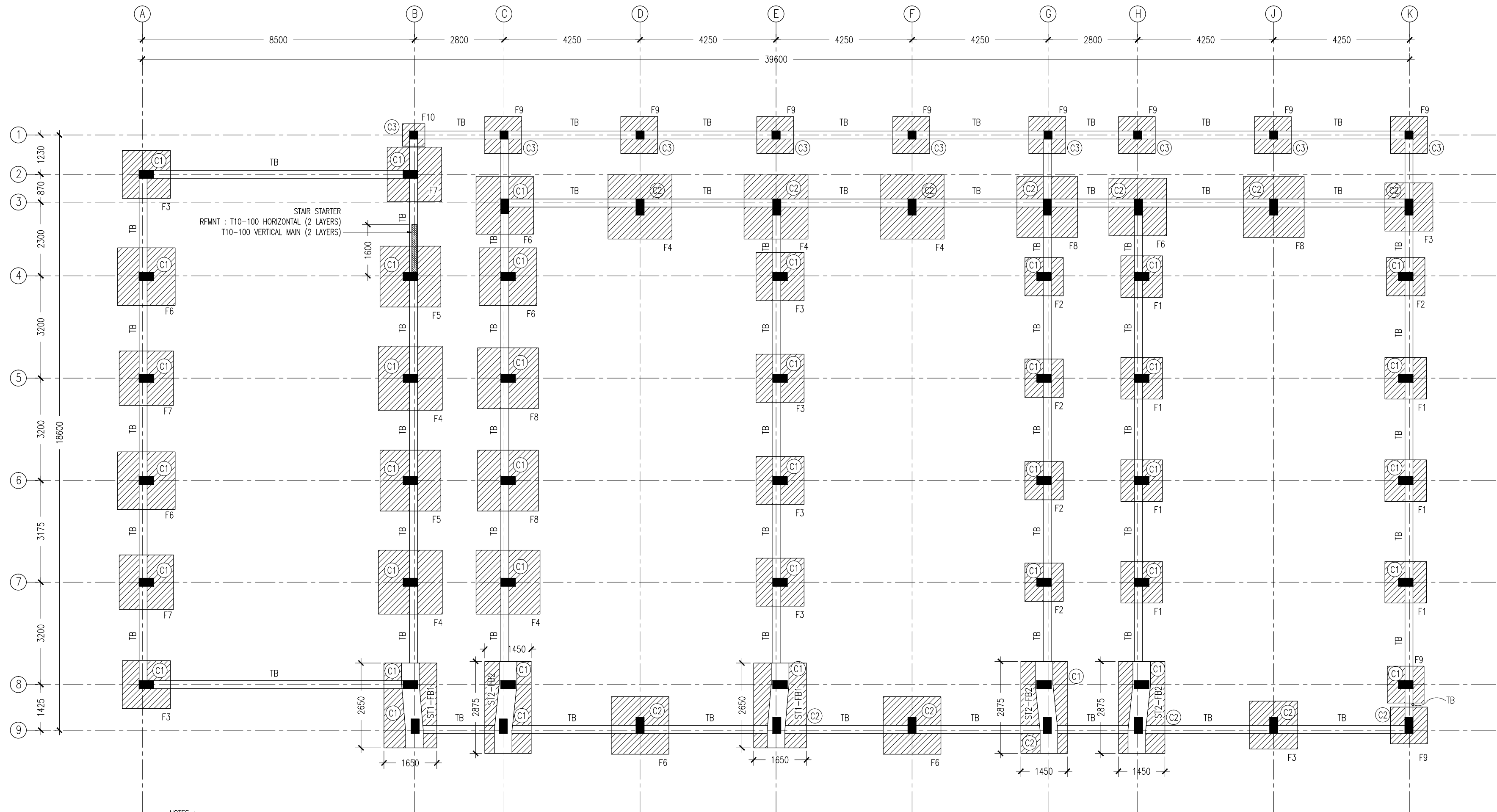
ARCHITECT:	MOHAMED HAMEEN
ENGINEER:	MOHAMED AHSAN
SERVICES ENG:	
ESTIMATOR:	
DRAWN BY:	ASFAN AHMED

PROJECT:	PROPOSED 08 CLASSROOM , 2 LABORATORY & MULTI PURPOSE HALL BLOCK		
LOCATION:	F.NILANDHOO		
DRAWING TITLE:	AS GIVEN		
CLIENT:	MINISTRY OF EDUCATION		
SCALE:	AS GIVEN	DIMENSION: MM	DATE: AUGUST 2015

S-01

DWG NO
PROJECT NO.: 14-124

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- NOTES :
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 - 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.
 - APPLY 2 COATS OF CONMIX MOYA SHIELD RBE TO ALL STRUCTURE CONCRETE BELOW GROUND LEVEL.

FOUNDATION LAYOUT PLAN
SCALE 1:100

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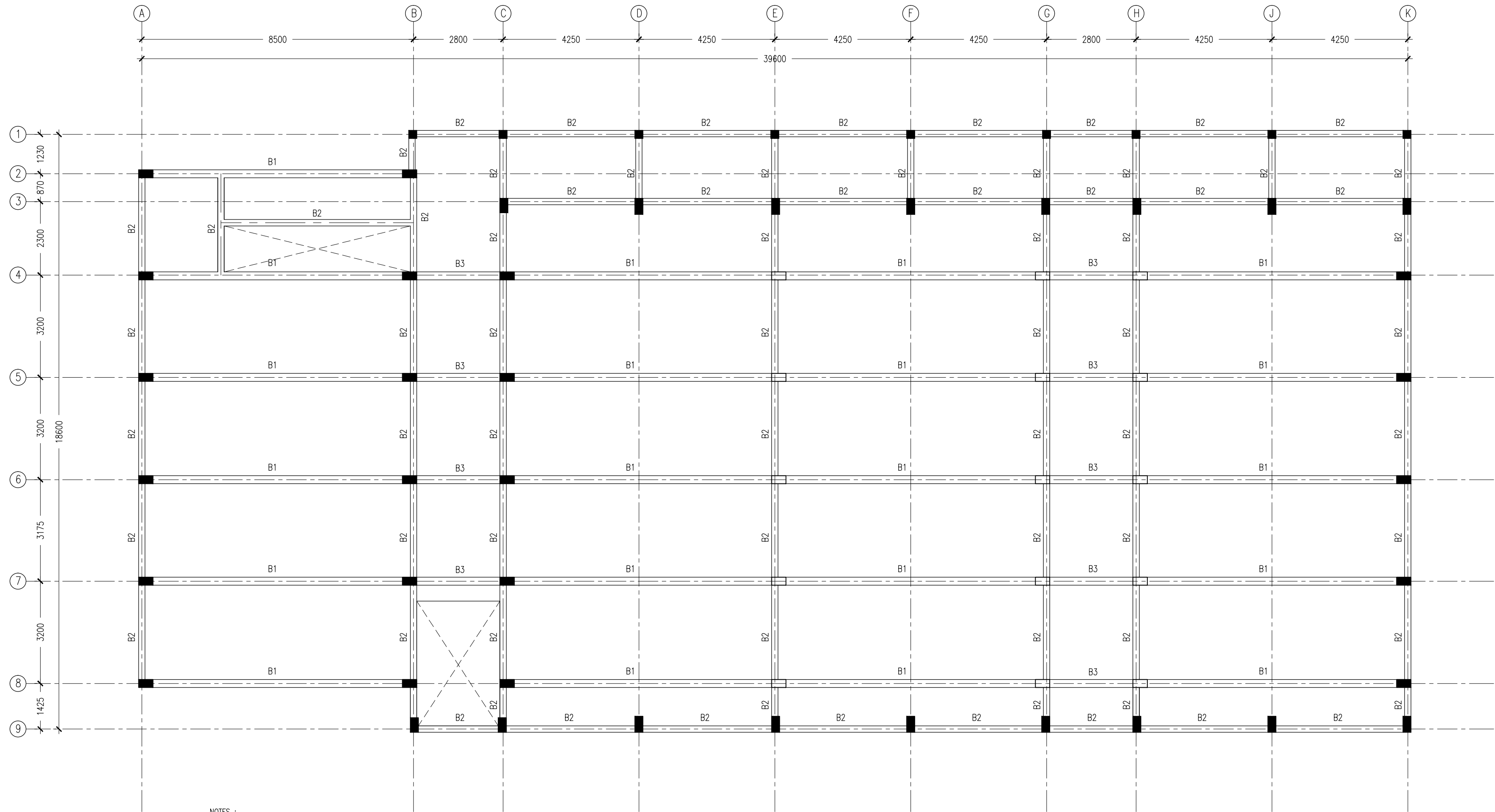
REVISION:

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

PROJECT: PROPOSED 08 CLASSROOM , 2 LABORATORY & MULTI PURPOSE HALL BLOCK
LOCATION: F.NILANDHOO
DRAWING TITLE: AS GIVEN
CLIENT: MINISTRY OF EDUCATION
SCALE: AS GIVEN DIMENSION: MM DATE: AUGUST 2015

S-02
DWG NO
PROJECT NO.: 14-124

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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
TO ALL SUPER STRUCTURE CONCRETE.

1ST FLOOR BEAM 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

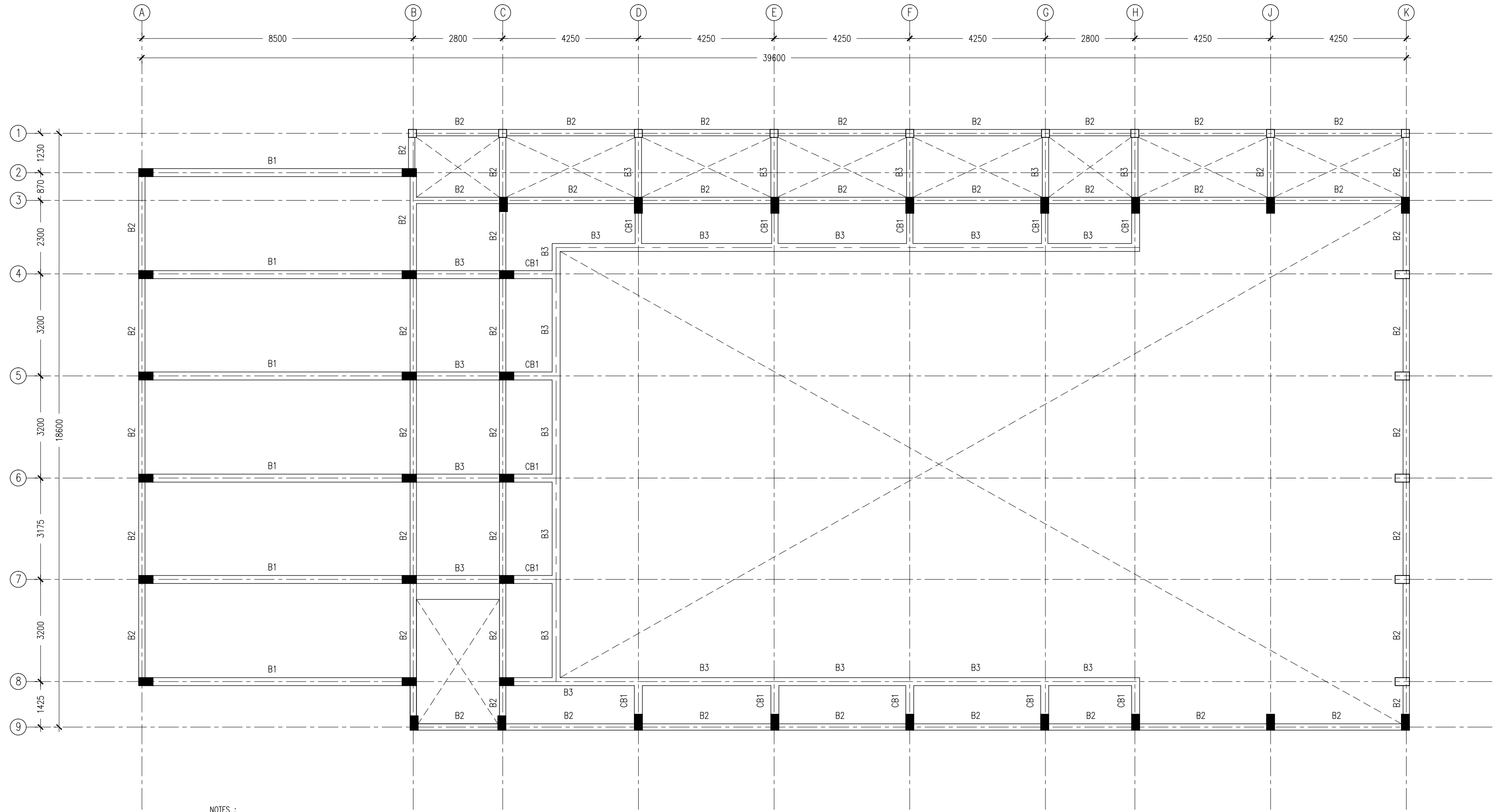
PROJECT:	PROPOSED 08 CLASSROOM , 2 LABORATORY & MULTI PURPOSE HALL BLOCK
LOCATION:	F.NILANDHOOD
DRAWING TITLE:	AS GIVEN
CLIENT:	MINISTRY OF EDUCATION
SCALE:	AS GIVEN
DIMENSION:	MM
DATE:	AUGUST 2015

S-03

DWG NO

PROJECT NO.: 14-124

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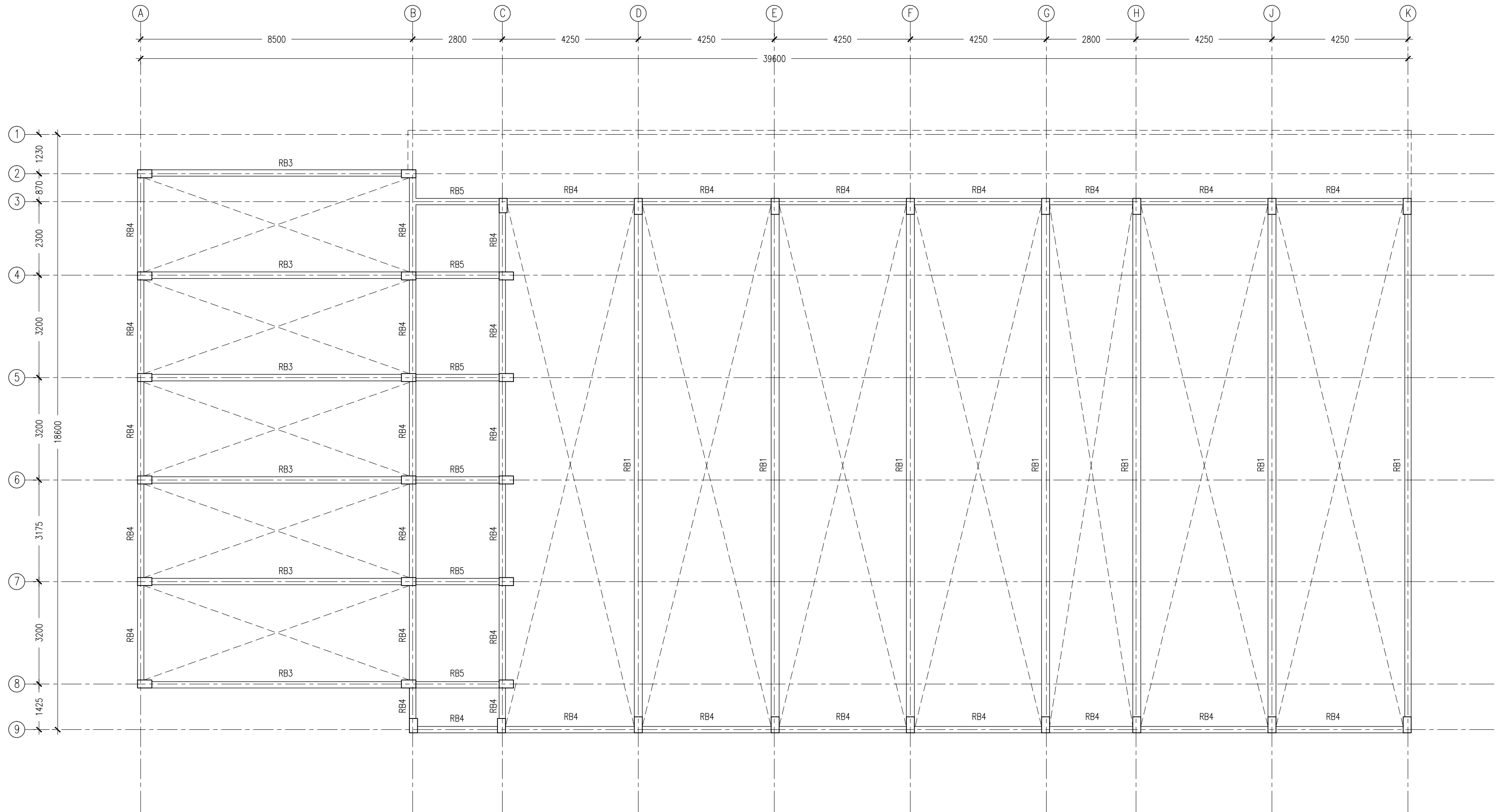
- NOTES :
- SLAB THICKNESS : 150MM
ACCPET WHERE STATED
 - SLAB BOTTOM COVER: 30MM
 - SLAB TOP COVER: 25MM
 - COVER TO BEAMS : 35MM
 - COVER TO COLUMNS : 40MM
 - CONCRETE MIX : 1:2:3
UNLESS STATED
 - ADD CONMIX MEGAFLW MP TO ALL EXTERNAL PLASTER &
FOR WET AREA PLASTER
 - ADD CONMIX MEGA FLOW P TO
TO ALL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

2ND FLOOR BEAM PLAN
SCALE 1:100

CONTRACTORS MUST
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DIMENSIONS ON SITE
BEFORE STARTING
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DRAWINGS. FIGURED
DIMENSIONS TO TAKE
PRECEDENCE OVER
SCALE READINGS



REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: PROPOSED 08 CLASSROOM , 2 LABORATORY & MULTI PURPOSE HALL BLOCK	S-04
	ENGINEER: MOHAMED AHSAN	LOCATION: F.NILANDHOO	
	SERVICES ENG:	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: ASFAN AHMED	SCALE: AS GIVEN DIMENSION: MM DATE: AUGUST 2015	
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ROOF BEAM PLAN
SCALE 1:100

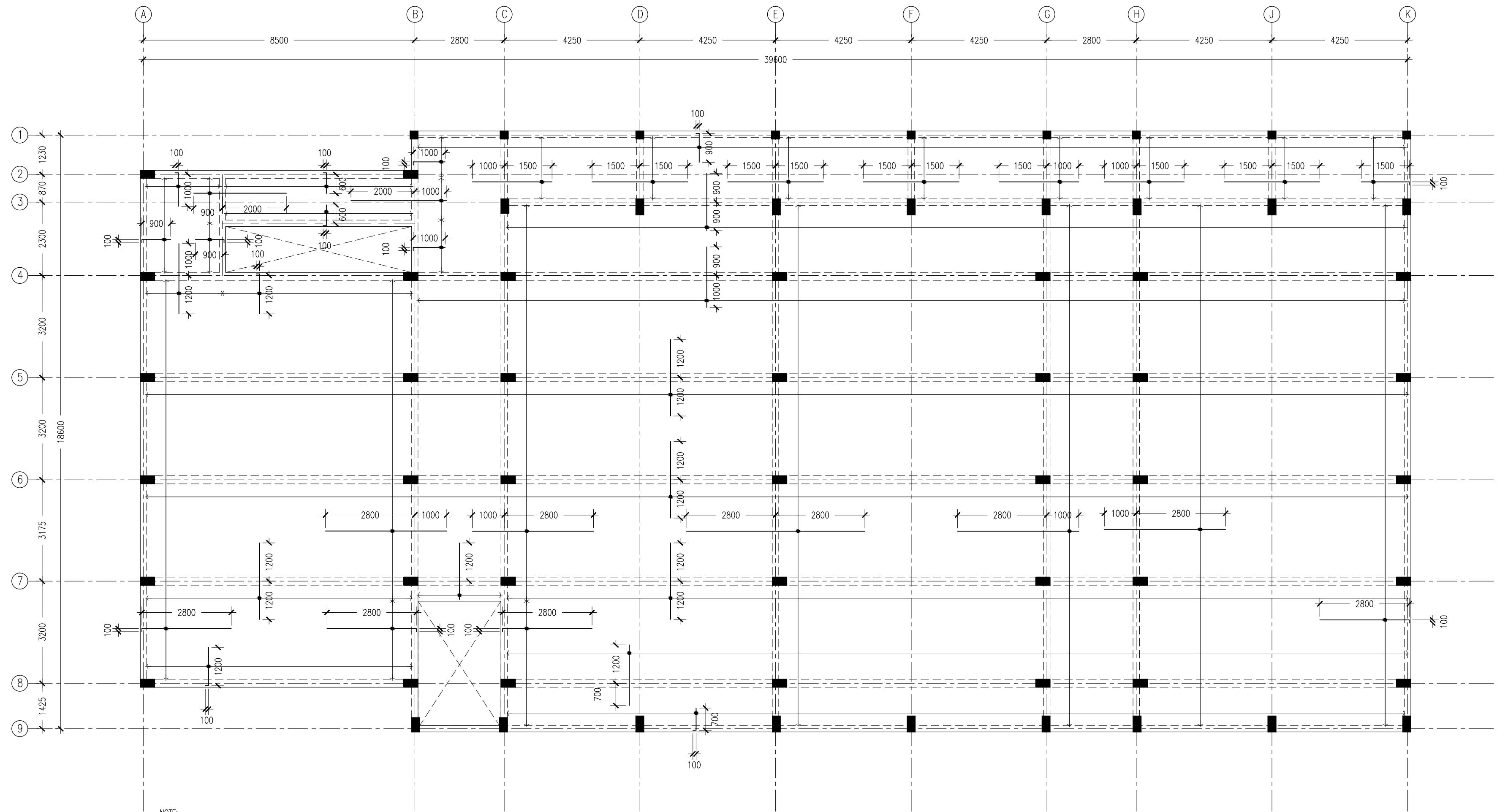
CONTRACTORS MUST
CHECK ALL
DIMENSIONS ON SITE
BEFORE STARTING
ANY WORK OR SHOP
DRAWINGS FIGURED
DIMENSIONS TO TAKE
PRECEDENCE OVER
SCALE READINGS



REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: PROPOSED 08 CLASSROOM , 2 LABORATORY & MULTI PURPOSE HALL BLOCK
	ENGINEER: MOHAMED AHSAN	LOCATION: F.NILANDHOO
	SERVICES ENG:	DRAWING TITLE: AS GIVEN
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION
	DRAWN BY: ASFAN AHMED	SCALE: AS GIVEN
		DIMENSION: MM
		DATE: AUGUST 2015
		PROJECT NO.: 14-124

S-05

DWG NO



NOTE:

- *SLAB THICKNESS: 150MM EXCEPT 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

||| SPECIFIED LENGTH



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

1ST FLOOR SLAB
REINFORCEMENT 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

ArchEng
stud i o
Pia Piyajhagan, 1st floor, Male, Republic of Maldives
admin@archeng.biz

REVISION:

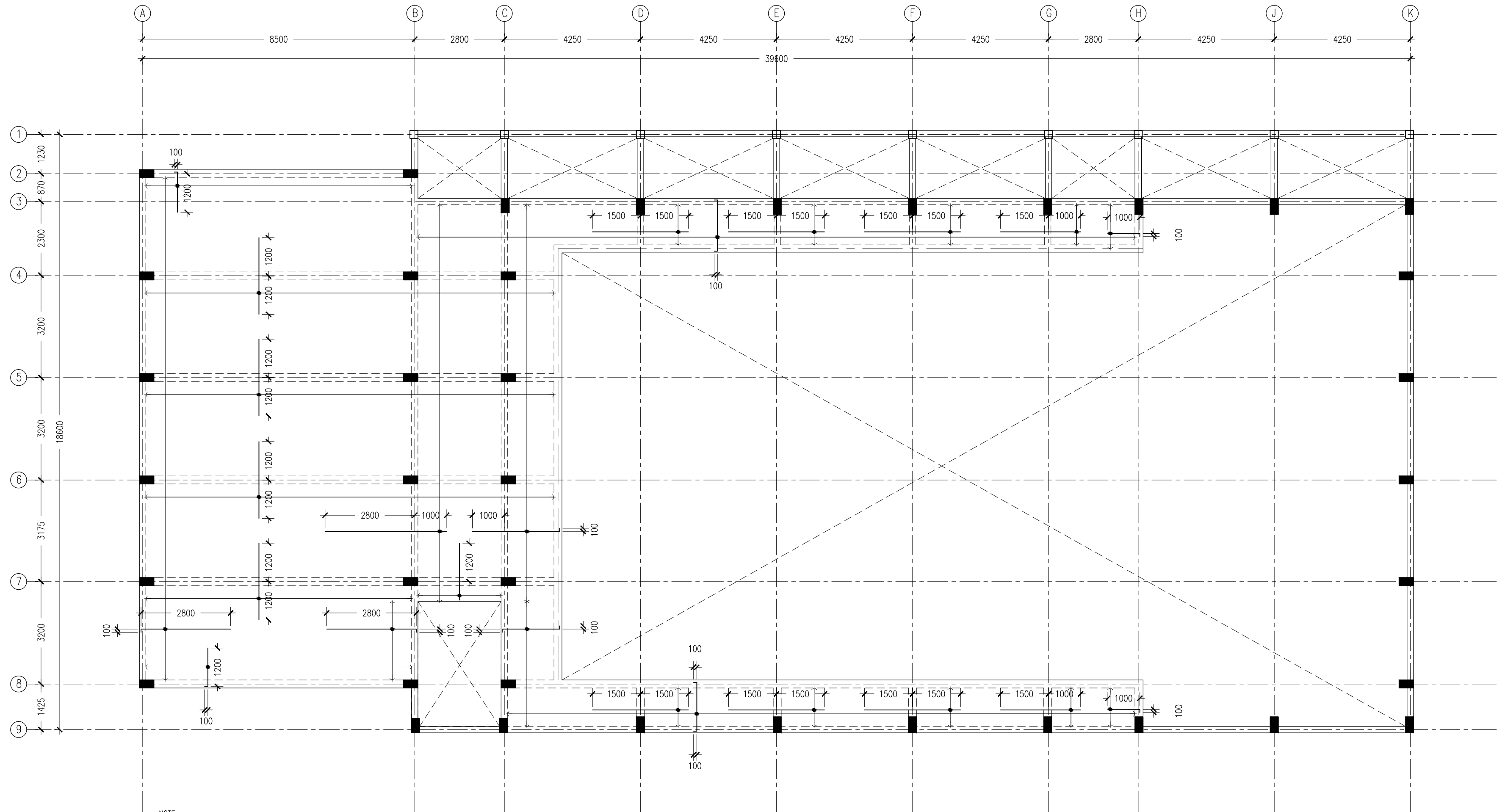
ARCHITECT: MOHAMED HAMEEN
ENGINEER: MOHAMED AHSAN
SERVICES ENG:
ESTIMATOR:
DRAWN BY: ASFAN AHMED

PROJECT: PROPOSED 08 CLASSROOM , 2 LABORATORY & MULTI PURPOSE HALL BLOCK
LOCATION: F.NILANDHOO
DRAWING TITLE: AS GIVEN
CLIENT: MINISTRY OF EDUCATION
SCALE: AS GIVEN DIMENSION: MM DATE: AUGUST 2015

S-06
DWG NO

PROJECT NO.: 14-124

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NOTE:
*SLAB THICKNESS: 150MM
EXCEPT 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
||| SPECIFIED LENGTH

EXTRA 100
||| END BEAM

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

2ND FLOOR SLAB REINFORCEMENT PLAN

SCALE 1:100

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

ArchEng
studio
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admin@archeng.biz

REVISION:

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

PROJECT: PROPOSED 08 CLASSROOM , 2 LABORATORY & MULTI PURPOSE HALL BLOCK
LOCATION: F.NILANDHOO
DRAWING TITLE: AS GIVEN
CLIENT: MINISTRY OF EDUCATION
SCALE: AS GIVEN
DIMENSION: MM
DATE: AUGUST 2015

S-07
DWG NO
PROJECT NO: 14-124

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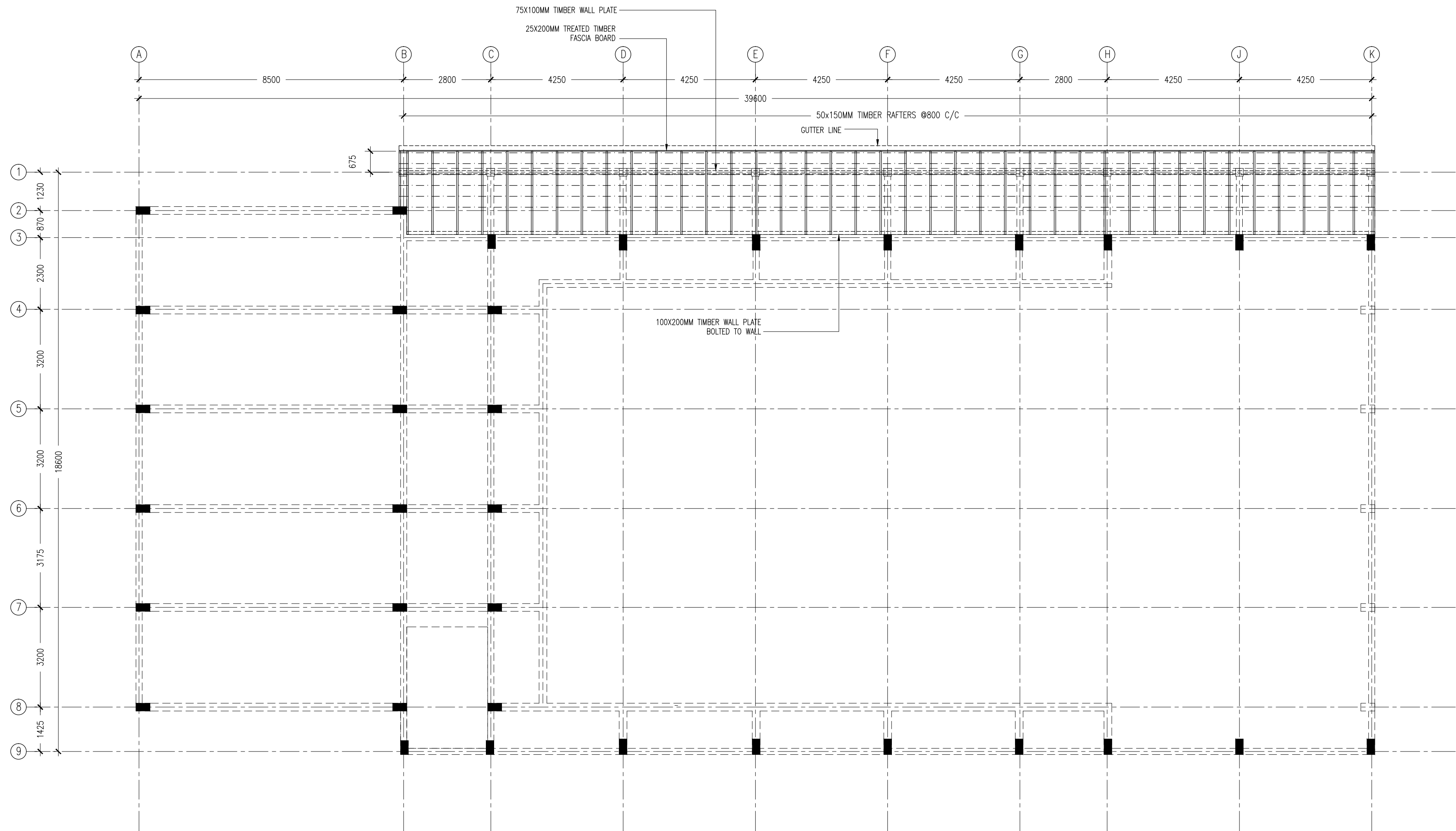


EXTRA	100	
INTO BEAM		

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

SCALE 1:100

REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: PROPOSED 08 CLASSROOM , 2 LABORATORY & MULTI PURPOSE HALL BLOCK	<div>S-08</div> <div>DWG NO</div> <div>PROJECT NO.: 14-124</div>
	ENGINEER: MOHAMED AHSAN	LOCATION: F.NILANDHOO	
	SERVICES ENG:	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: ASFAN AHMED	SCALE: AS GIVEN DIMENSION: MM DATE: AUGUST 2015	
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ROOF STRUCTURAL PLAN (@2ND FLOOR LEVEL) LEVEL -1
SCALE 1:100

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SCALE READINGS



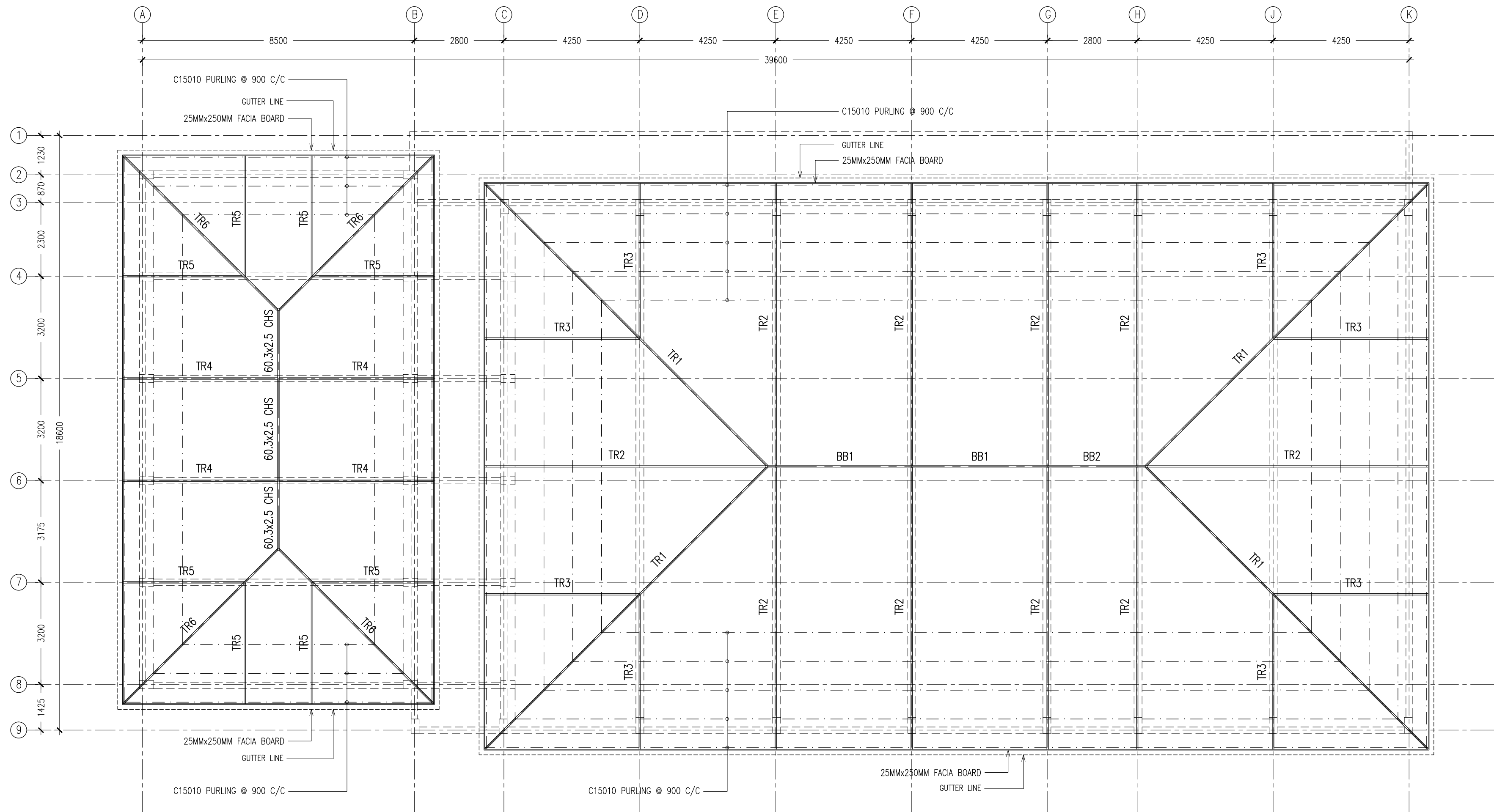
REVISION:	

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

PROJECT:	PROPOSED 08 CLASSROOM , 2 LABORATORY & MULTI PURPOSE HALL BLOCK		
LOCATION:	F.NILANDHOO		
DRAWING TITLE:	AS GIVEN		
CLIENT:	MINISTRY OF EDUCATION		
SCALE:	AS GIVEN	DIMENSION:	MM
		DATE:	AUGUST 2015

S-09
DWG NO
PROJECT NO.: 14-124

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ROOF STRUCTURAL PLAN LEVEL -2
SCALE 1:100

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PRECEDENCE OVER
SCALE READINGS



REVISION:	

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

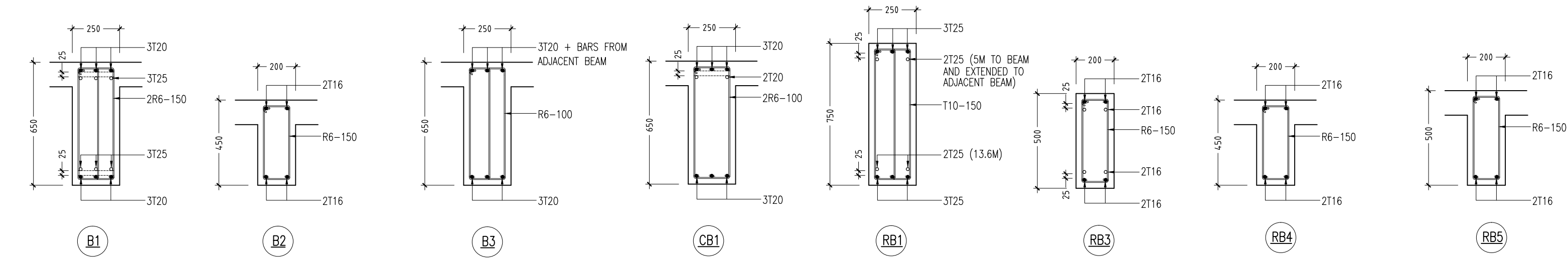
PROJECT:	PROPOSED 08 CLASSROOM , 2 LABORATORY & MULTI PURPOSE HALL BLOCK
LOCATION:	F.NILANDHOO
DRAWING TITLE:	AS GIVEN
CLIENT:	MINISTRY OF EDUCATION
SCALE:	AS GIVEN
DIMENSION:	MM
DATE:	AUGUST 2015

S-10

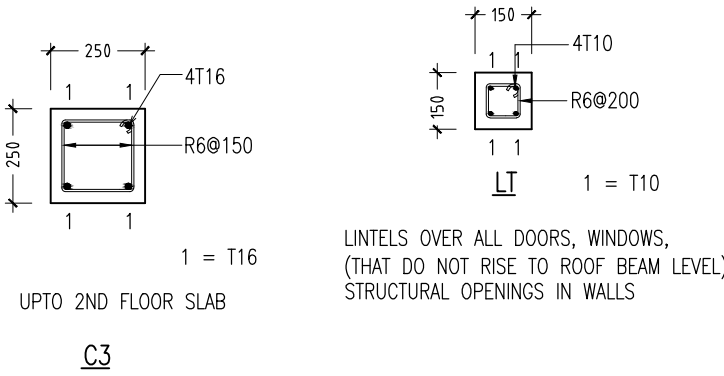
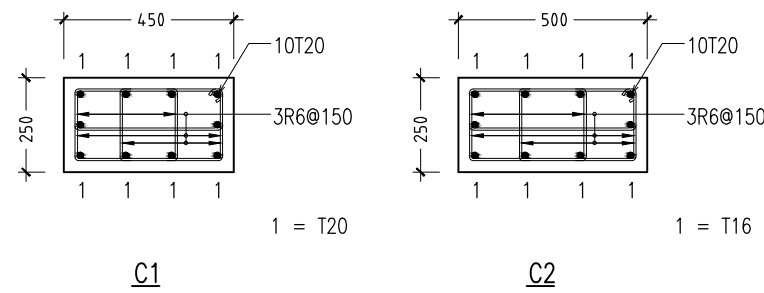
DWG NO

PROJECT NO.: 14-124

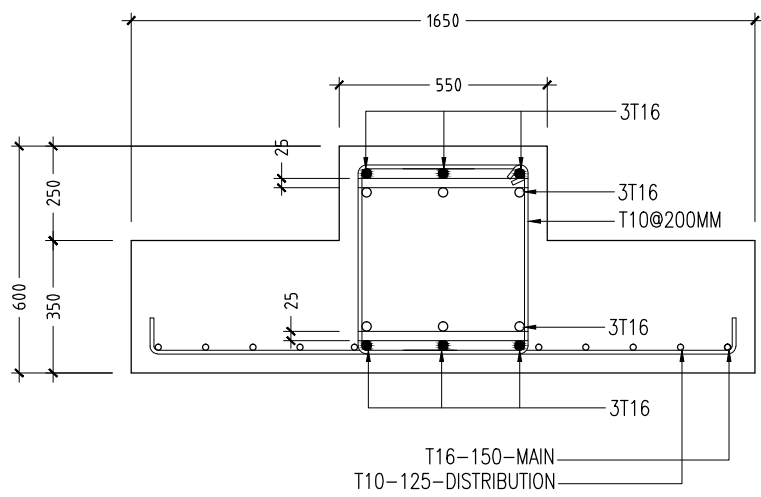
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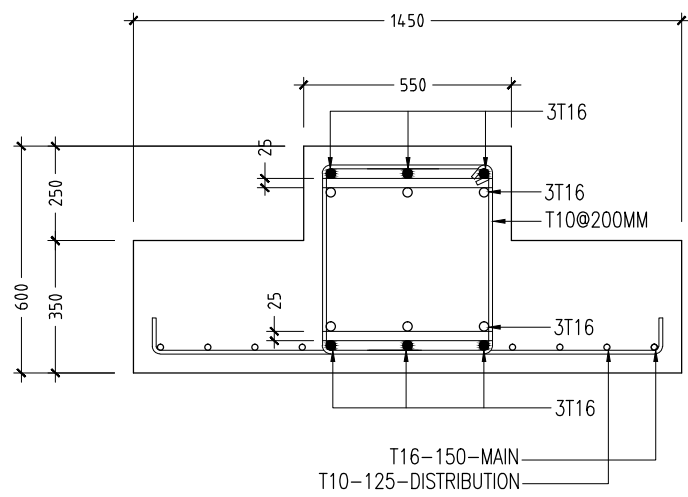
BEAM DETAILS
SCALE 1:20



COLUMN DETAILS
SCALE 1:20

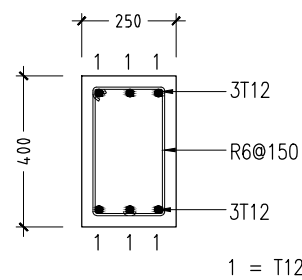


ST1-FB1



ST2-FB2

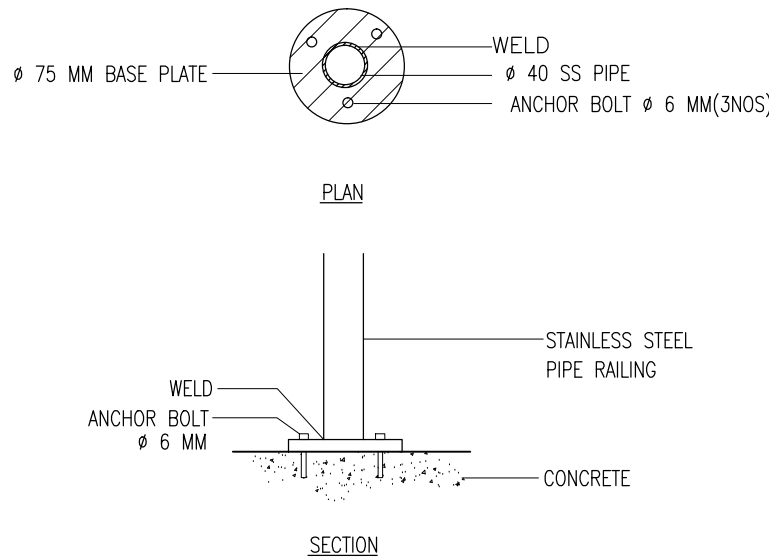
FOUNDATION BEAM DETAILS
SCALE 1:20



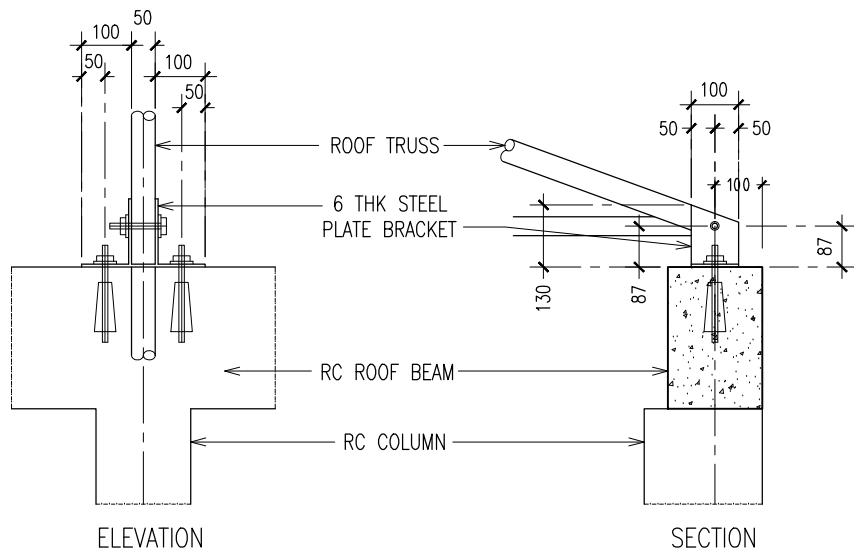
IB

	FOOTING	LENGTH/mm	WIDTH/mm	DEPTH/mm	REINFORCEMENT
	F1	1300	1300	350	T12@150mm C/C BW BOTTOM
	F2	1200	1200	350	T12@150mm C/C BW BOTTOM
	F3	1500	1500	350	T12@150mm C/C BW BOTTOM
	F4	2000	2000	350	T16@150mm C/C BW BOTTOM
	F5	2100	2100	350	T16@150mm C/C BW BOTTOM
	F6	1800	1800	350	T12@150mm C/C BW BOTTOM
	F7	1700	1700	350	T12@150mm C/C BW BOTTOM
	F8	1900	1900	350	T12@125mm C/C BW BOTTOM
	F9	1150	1150	350	T12@150mm C/C BW BOTTOM
	F10	700	700	350	T12@150mm C/C BW BOTTOM

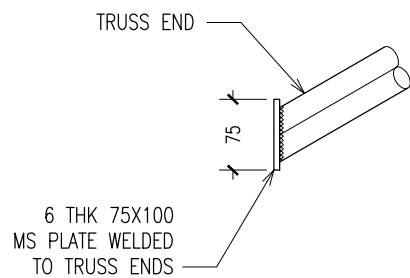
FOOTING DETAILS



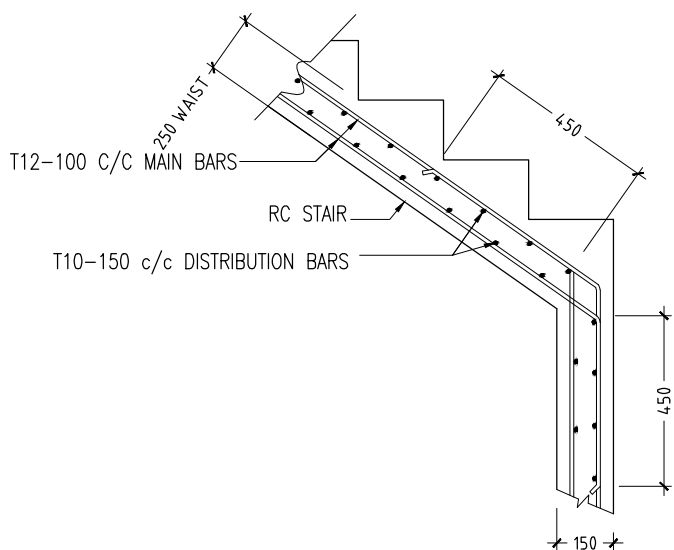
DETAIL D (STAIR RAILING)
SCALE 1:20



TYPICAL TRUSS FIXING DETAILS
SCALE : NTS



TYPICAL TRUSS END DETAILS
SCALE : NTS



TYPICAL STAIR RFMT DETAIL
SCALE 1:20

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REVISION:

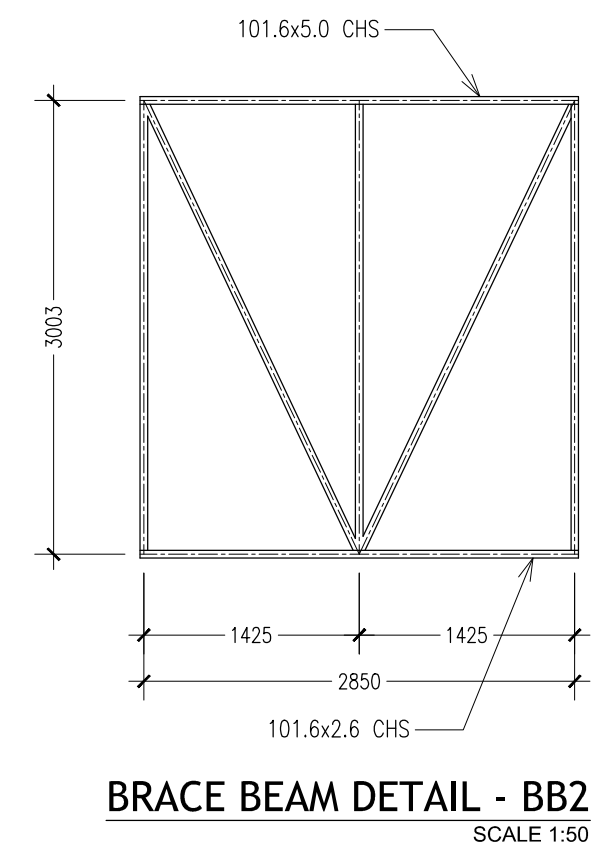
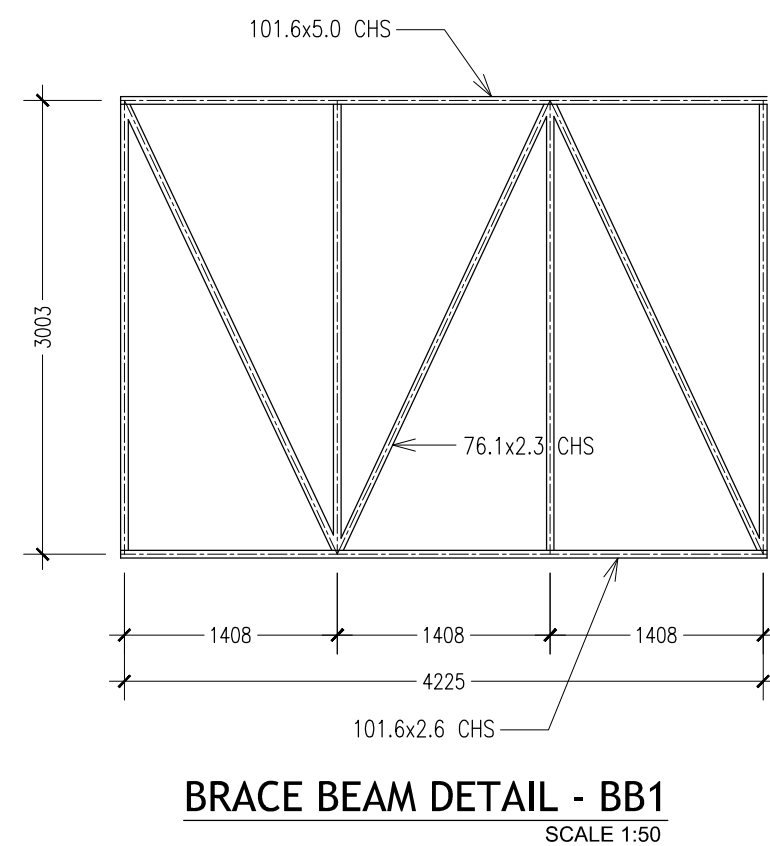
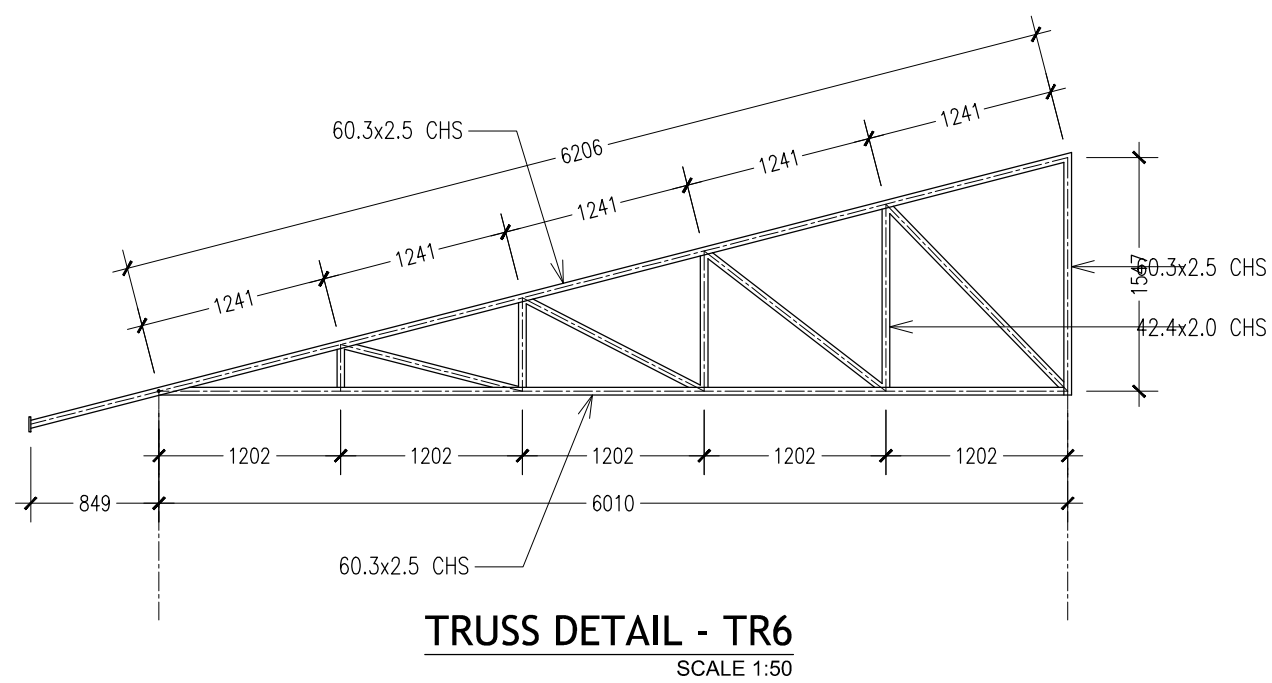
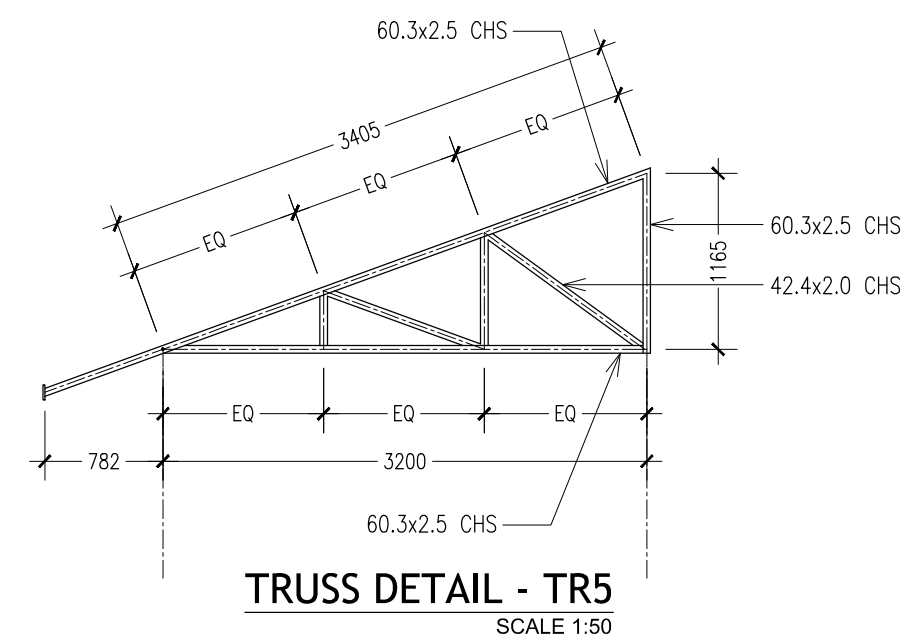
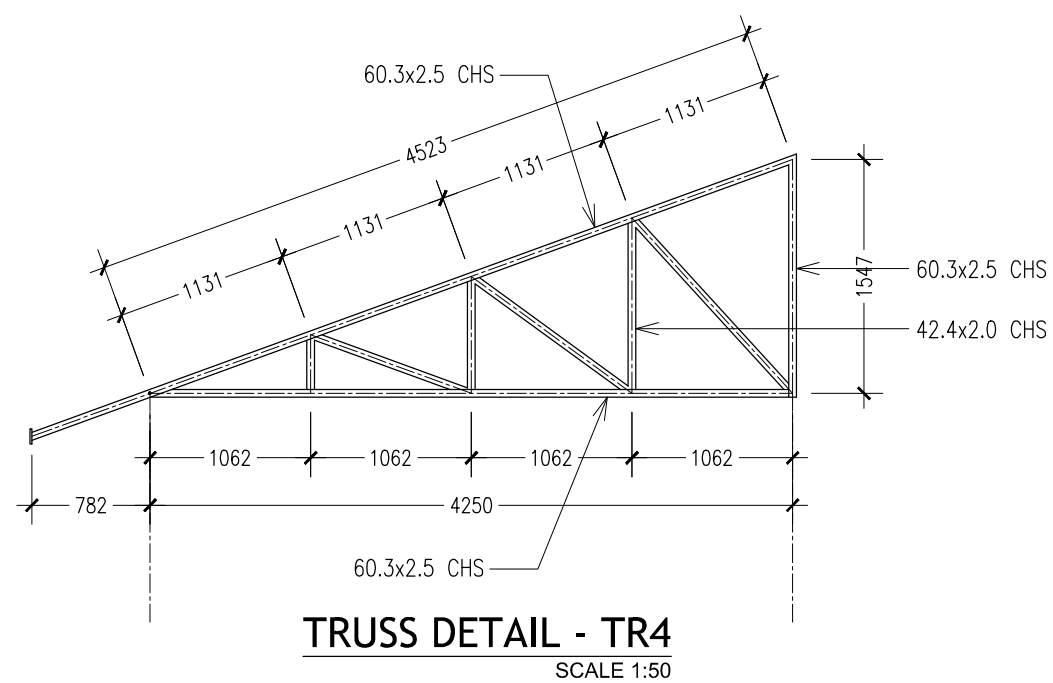
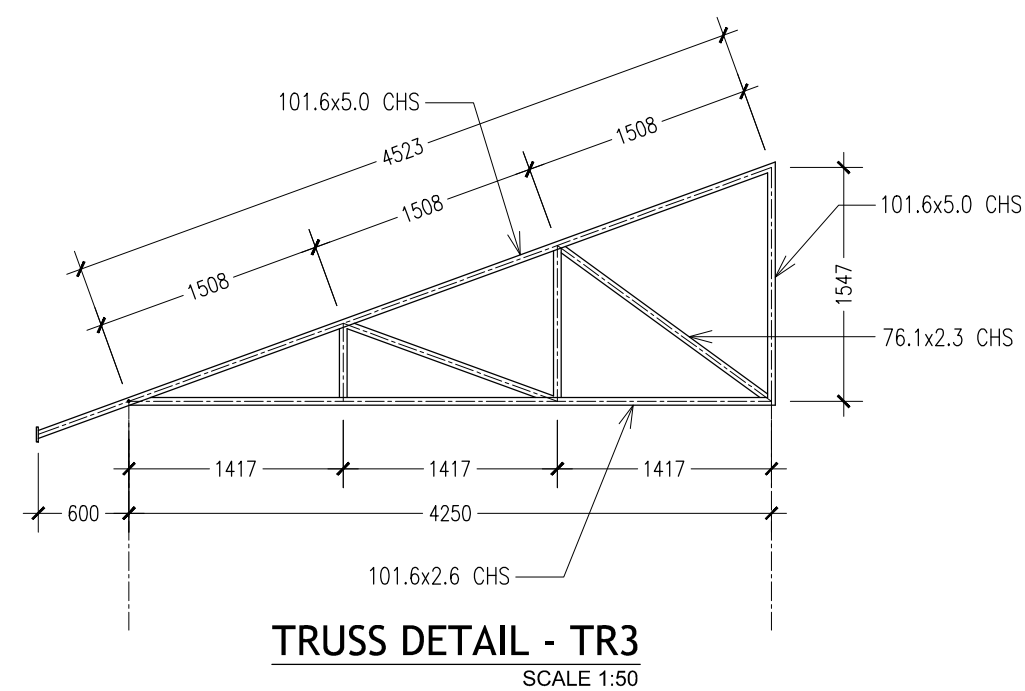
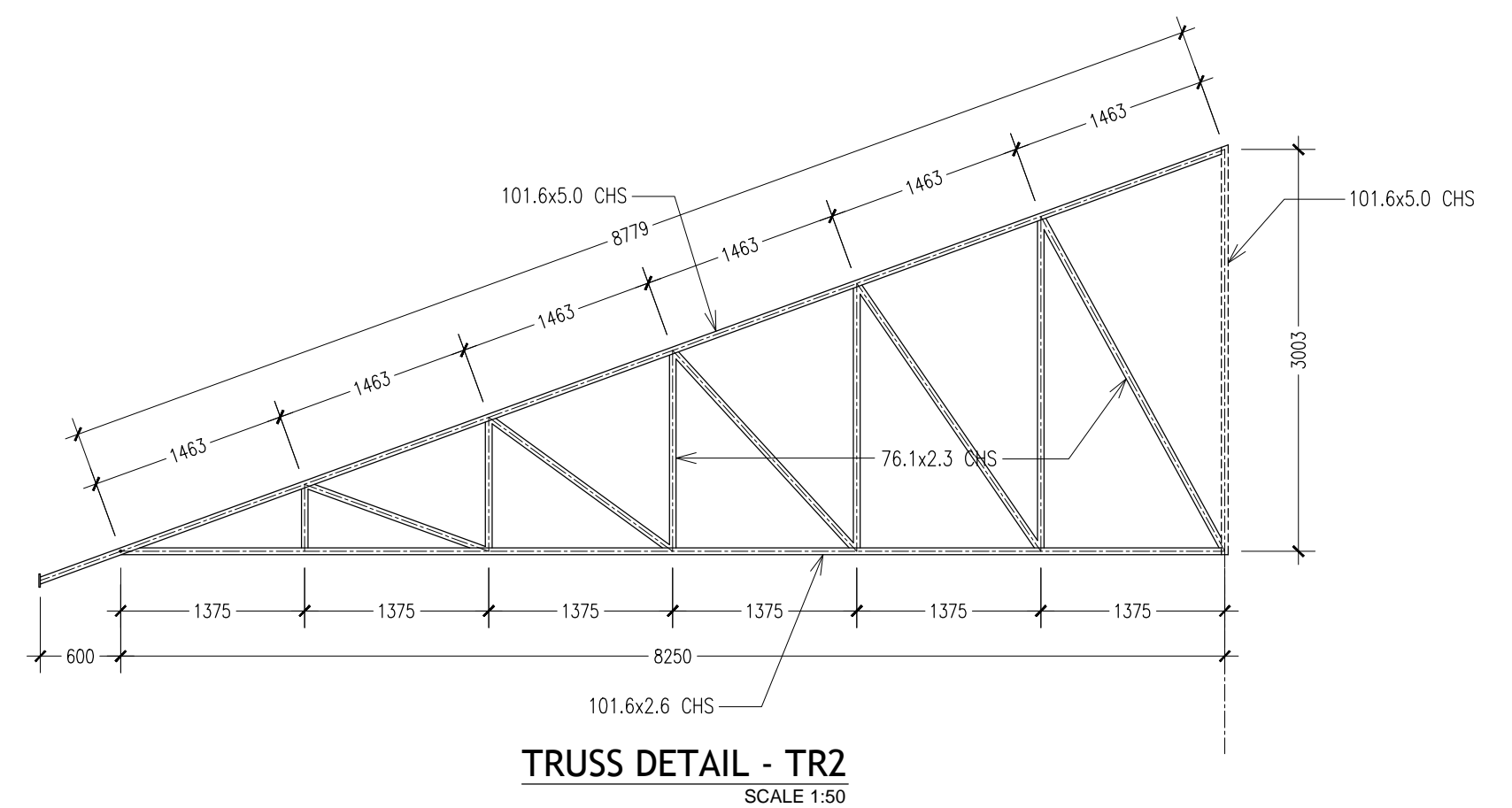
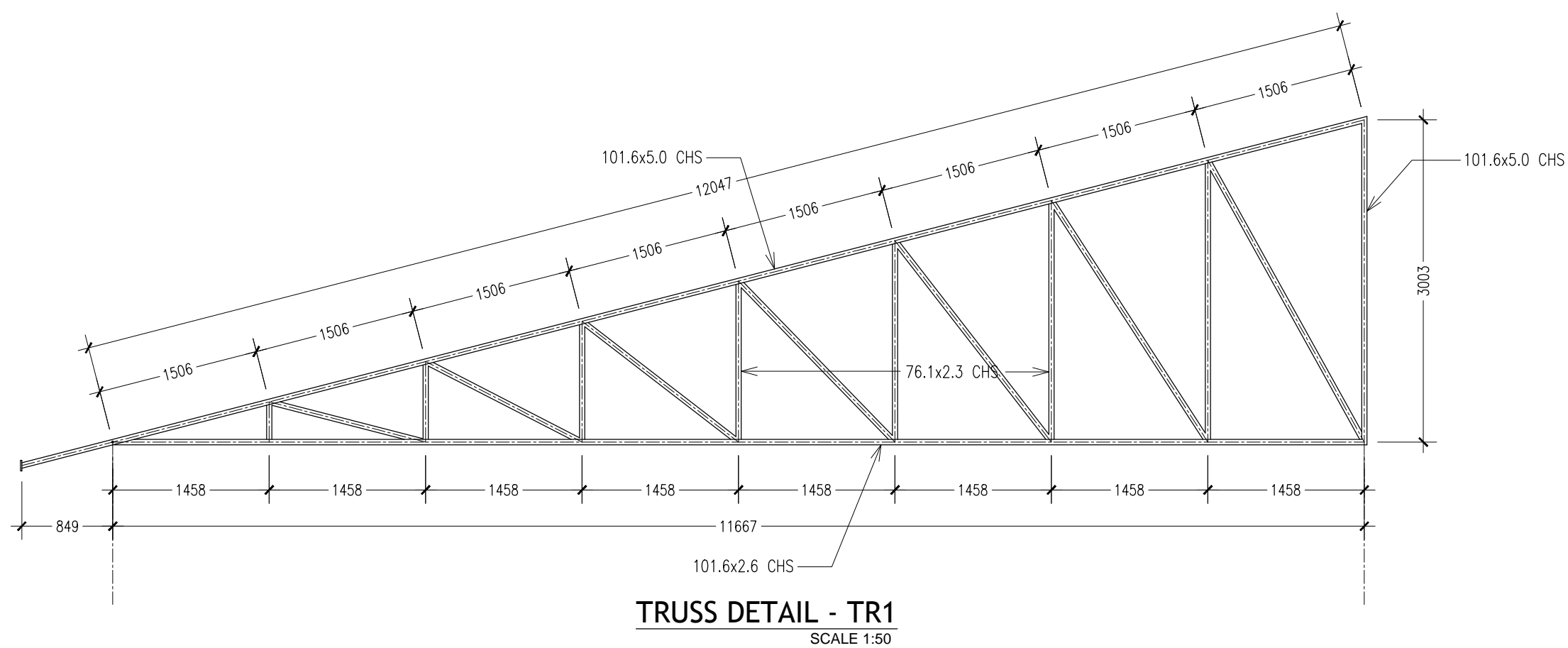
ARCHITECT: MOHAMED HAMEEN
ENGINEER: MOHAMED AHSAN
SERVICES ENG:
ESTIMATOR:
DRAWN BY: ASFAN AHMED

PROJECT: PROPOSED 08 CLASSROOM, 2 LABORATORY & MULTI PURPOSE HALL BLOCK
LOCATION: F.NILANDHOO
DRAWING TITLE: AS GIVEN
CLIENT: MINISTRY OF EDUCATION
SCALE: AS GIVEN DIMENSION: MM DATE: AUGUST 2015

S-11

DWG NO. PROJECT NO.: 14-124

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SCALE READINGS

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

REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: PROPOSED 08 CLASSROOM , 2 LABORATORY & MULTI PURPOSE HALL BLOCK	<div style="font-size: 48px; font-weight: bold; text-align: center;">S-12</div> <div style="text-align: center;">DWG NO</div>
	ENGINEER: MOHAMED AHSAN	LOCATION: F.NILANDHOO	
	SERVICES ENG:	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: ASFAN AHMED	SCALE: AS GIVEN DIMENSION: CM DATE: AUGUST 2015	
<small>CONCEPT AND DESIGN IN THIS DRAWING ARE THE PROPERTIES OF ARCHING KTDI PVT LTD. (UNIMPROVED) 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.</small>			
<small>PROJECT NO.: 14-124</small>			

PROPOSED 08 CLASSROOM , 2 LABORATORY & MULTI PURPOSE HALL IN ATOLL EDUCATION CENTRE, F. NILANDHOO

(3 STOREY)

ENHANCING EDUCATION DEVELOPMENT PROJECT (EEDP)

SERVICES DRAWINGS

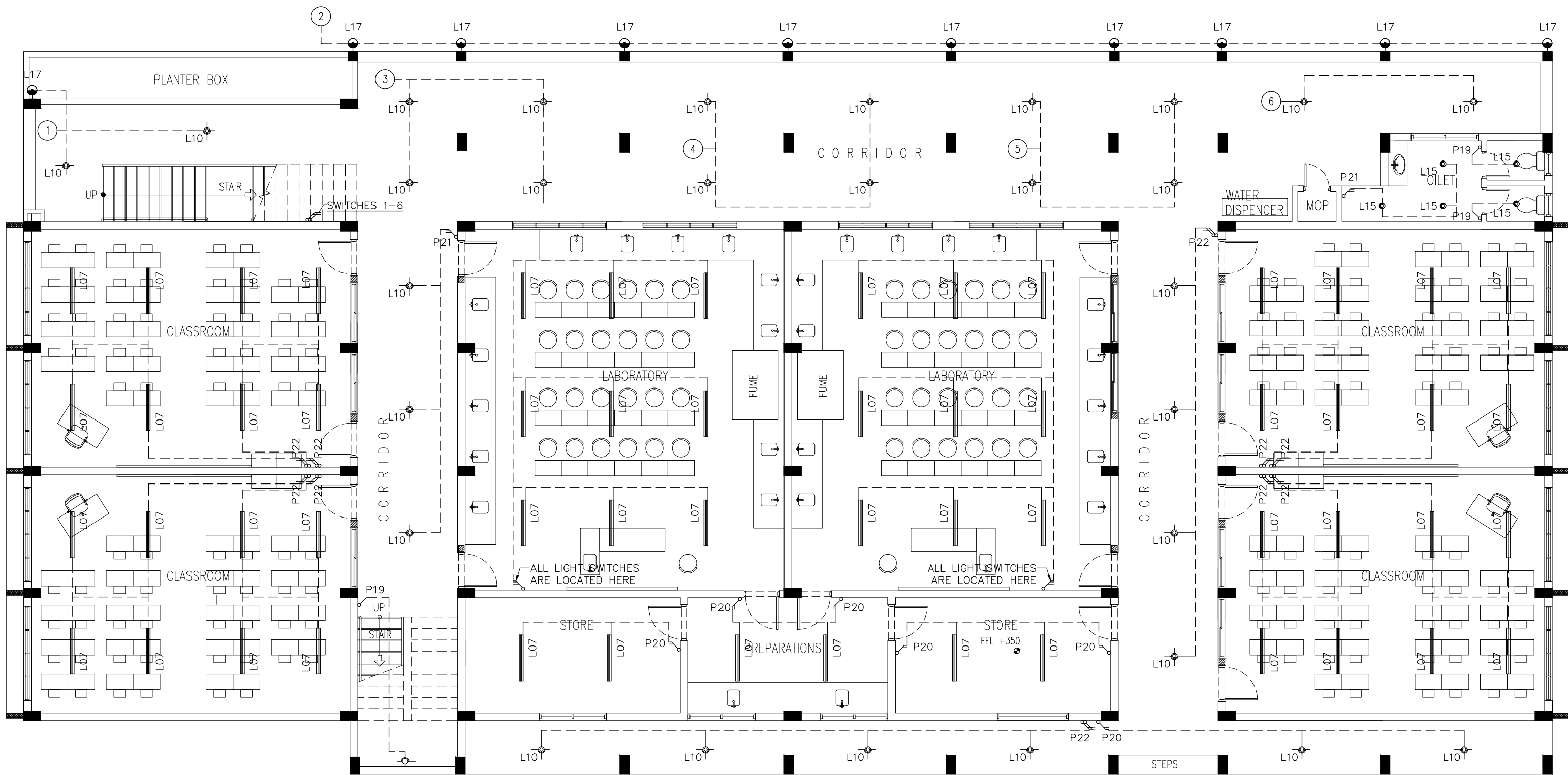
AUGUST 2015

CLIENT : MINISTRY OF EDUCATION

DESIGN BY

ArchEng
s t u d i o

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



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

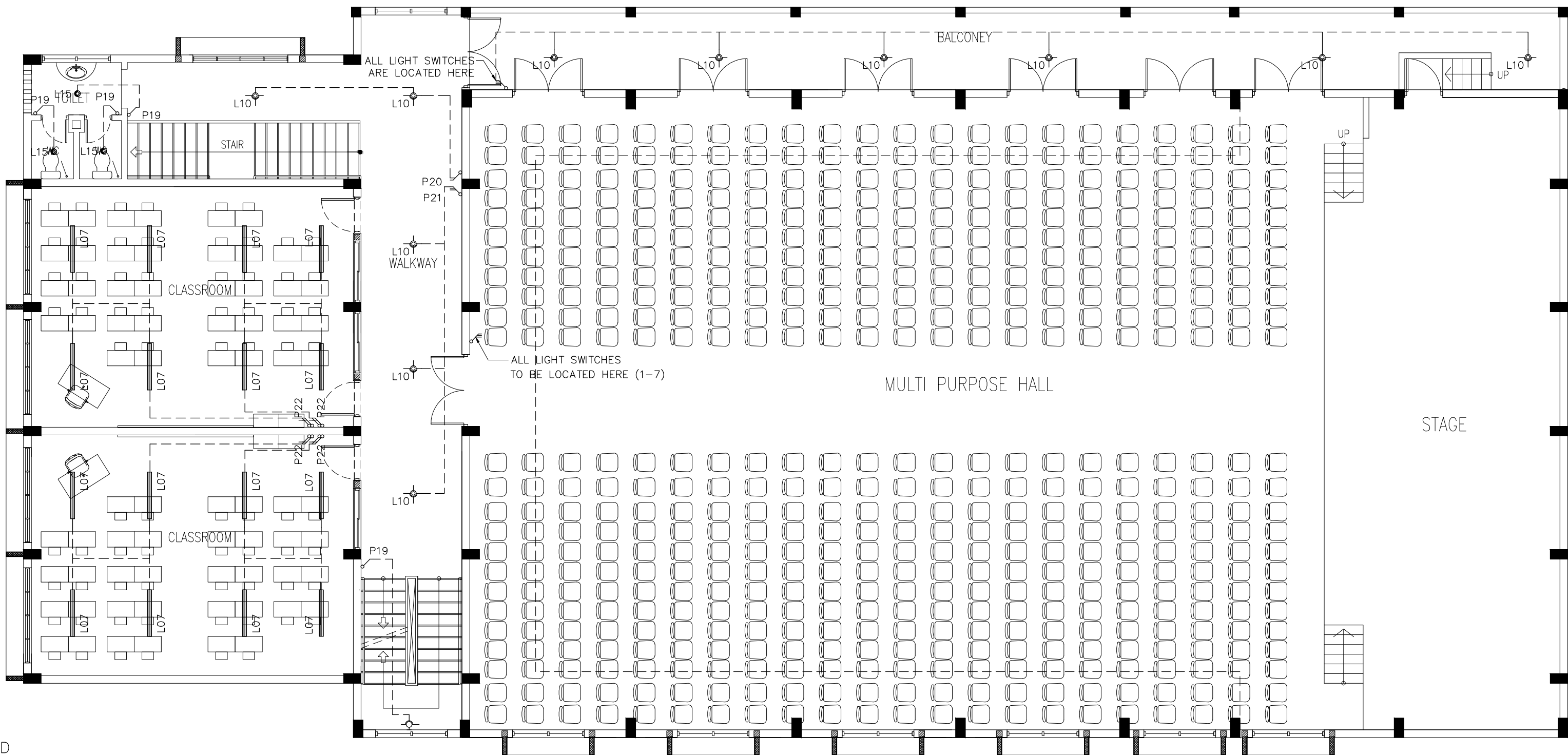
	P19	1GANG 1 WAY SWITCH
	P20	2GANG 1 WAY SWITCH
	P21	3GANG 1 WAY SWITCH
	P22	4GANG 1 WAY SWITCH

GROUND FLOOR LIGHTING PLAN
SCALE 1:100

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

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studio
Ma Fiyajhaage, 1st Floor, Male, Republic of Maldives
admin@archeng.biz

REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: PROPOSED 08 CLASSROOM . 2 LABORATORY & MULTI PURPOSE HALL BLOCK	E-01
	ENGINEER: MOHAMED AHSAN	LOCATION: F.NILANDHOO	
	SERVICES ENG:	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: ASFAN AHMED	SCALE: AS GIVEN DIMENSION: MM DATE: AUGUST 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
	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 FLOOR LIGHTING PLAN
SCALE 1:100

CONTRACTORS MUST
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DIMENSIONS ON SITE
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SCALE READINGS



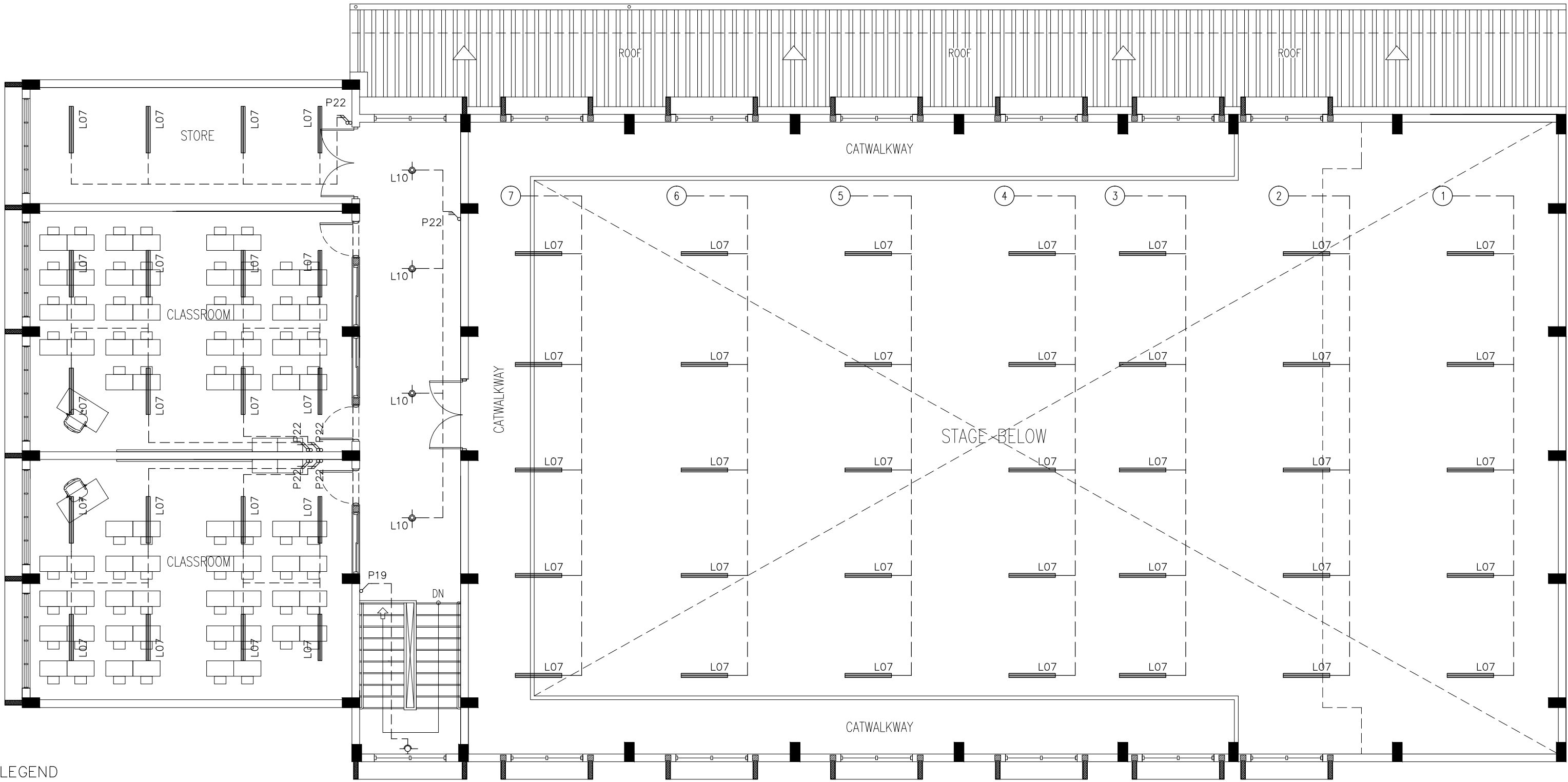
REVISION:	

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

PROJECT:	PROPOSED 08 CLASSROOM , 2 LABORATORY & MULTI PURPOSE HALL BLOCK
LOCATION:	F.NILANDHOO
DRAWING TITLE:	AS GIVEN
CLIENT:	MINISTRY OF EDUCATION
SCALE:	AS GIVEN
DIMENSION:	MM
DATE:	AUGUST 2015

E-02
DWG NO
PROJECT NO.: 14-124

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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

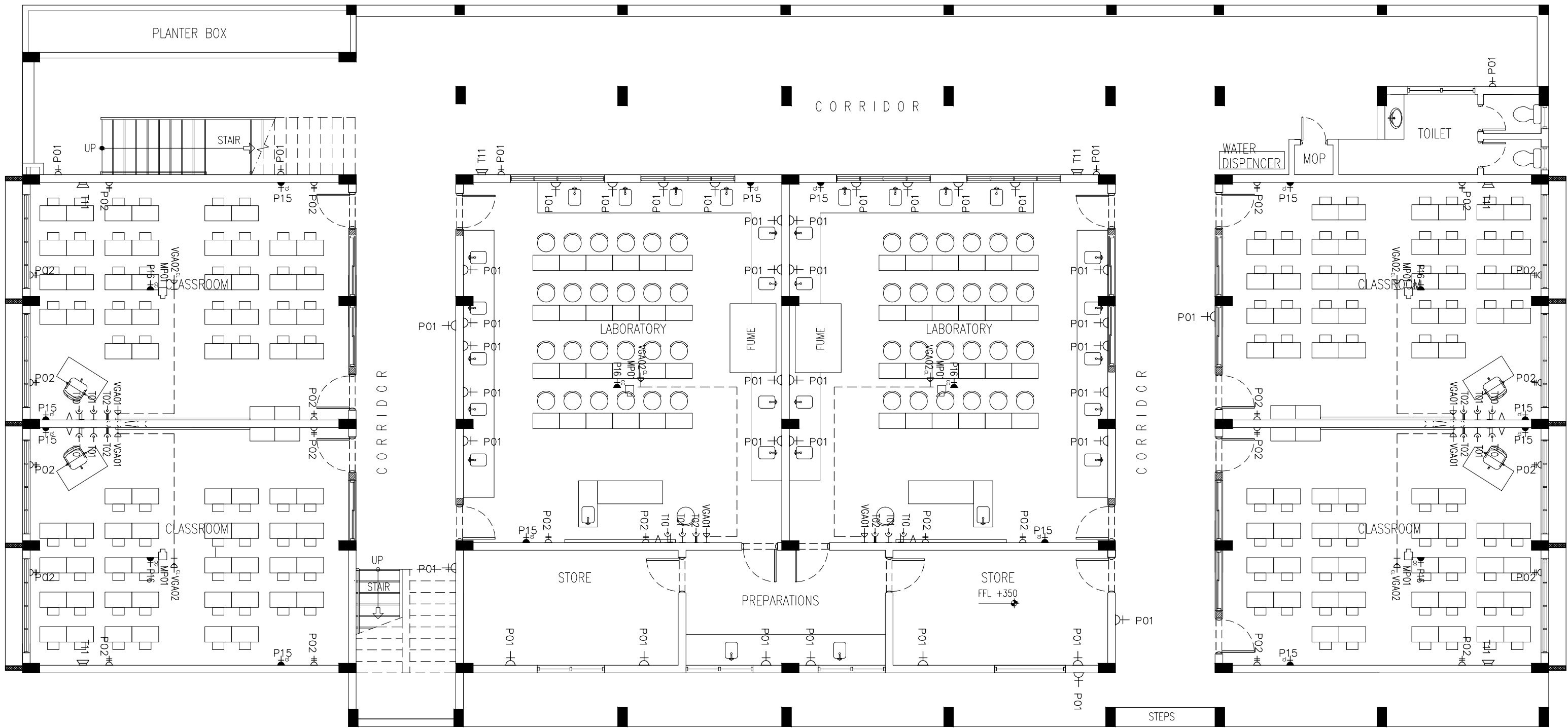
	P19	1GANG 1 WAY SWITCH
	P20	2GANG 1 WAY SWITCH
	P21	3GANG 1 WAY SWITCH
	P22	4GANG 1 WAY SWITCH

2ND FLOOR LIGHTING 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 08 CLASSROOM , 2 LABORATORY & MULTI PURPOSE HALL BLOCK
	ENGINEER: MOHAMED AHSAN	LOCATION: F.NILANDHOO
	SERVICES ENG:	DRAWING TITLE: AS GIVEN
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION
	DRAWN BY: ASFAN AHMED	SCALE: AS GIVEN
		DIMENSION: MM
		DATE: AUGUST 2015
		PROJECT NO: 14-134



LEGEND

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

LEGEND

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

GROUND FLOOR POWER/SOCKET PLAN

SCALE 1:100

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

ArchEng
studios
Ma Fiyajjaage, 1st floor, Male, Republic of Maldives
admin@archeng.biz

REVISION:	

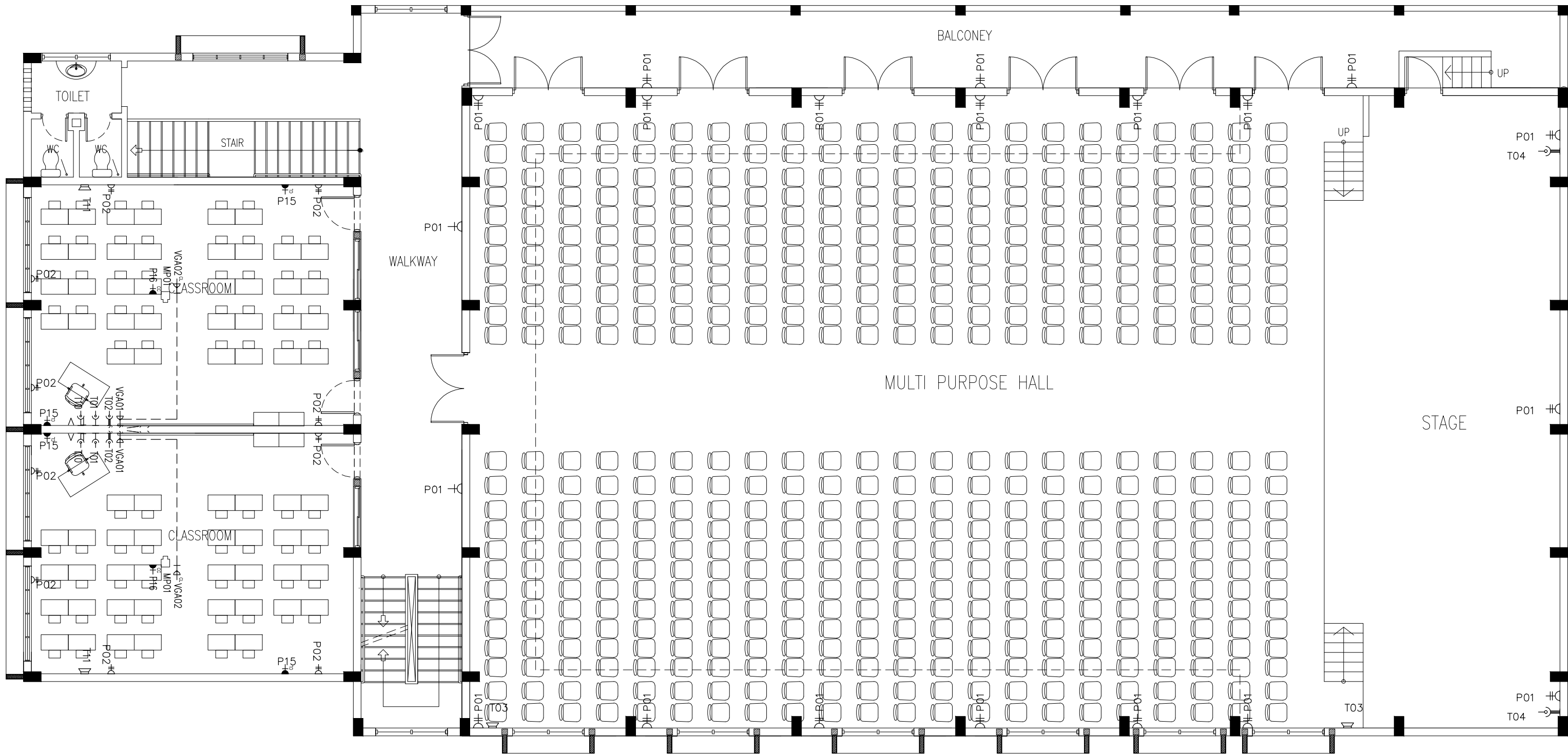
ARCHITECT:	MOHAMED HAMEEN
ENGINEER:	MOHAMED AHSAN
SERVICES ENG:	
ESTIMATOR:	
DRAWN BY:	ASFAN AHMED

PROJECT:	PROPOSED 08 CLASSROOM, 2 LABORATORY & MULTI PURPOSE HALL BLOCK
LOCATION:	F.NILANDHOO
DRAWING TITLE:	AS GIVEN
CLIENT:	MINISTRY OF EDUCATION
SCALE:	AS GIVEN
DIMENSION:	MM
DATE:	AUGUST 2015

E-04

DWG NO
PROJECT NO : 14-124

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LEGEND

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

LEGEND

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

1ST FLOOR POWER/SOCKET PLAN
SCALE 1:100

CONTRACTORS MUST
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DRAWINGS FIGURED
DIMENSIONS TO TAKE
PRECEDENCE OVER
SCALE READINGS

ArchEng
studio
The Pyramid Stage, 1st floor, Hala Republic of Maldives
admin@archeng.biz

REVISION:

DRAWN BY: ASFAN AHMED

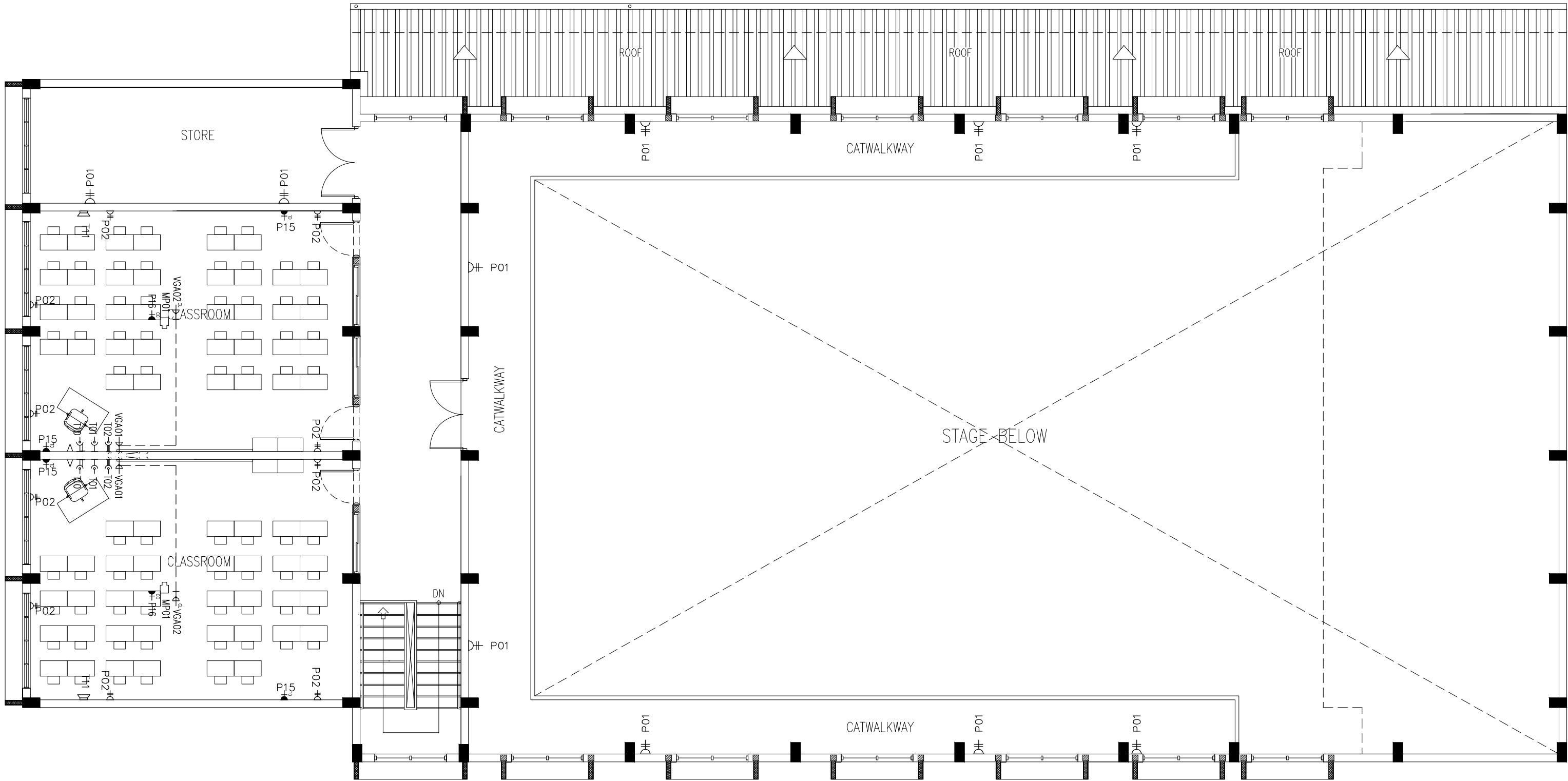
ARCHITECT: MOHAMED HAMEEN
ENGINEER: MOHAMED AHSAN
SERVICES ENG:
ESTIMATOR:
DRAWN BY: ASFAN AHMED

PROJECT: PROPOSED 08 CLASSROOM , 2 LABORATORY & MULTI PURPOSE HALL BLOCK
LOCATION: F.NILANDHOO
DRAWING TITLE: AS GIVEN
CLIENT: MINISTRY OF EDUCATION
SCALE: AS GIVEN
DIMENSION: MM
DATE: AUGUST 2015

E-05

DWG NO
PROJECT NO.: 14-124

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LEGEND

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

LEGEND

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

2ND FLOOR POWER/SOCKET
PLAN
SCALE 1:100

CONTRACTORS MUST
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DIMENSIONS TO TAKE
PRECEDENCE OVER
SCALE READINGS



REVISION:	

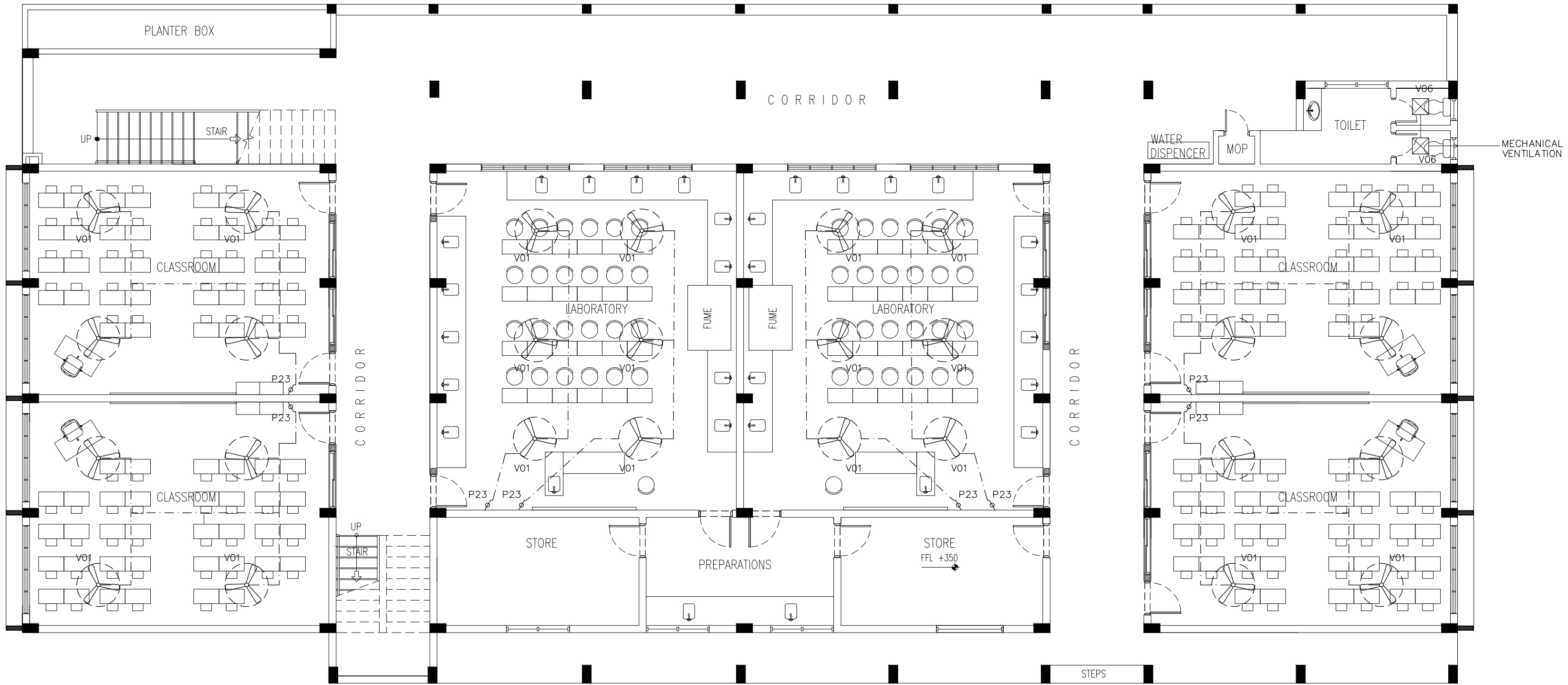
ARCHITECT:	MOHAMED HAMEEN
ENGINEER:	MOHAMED AHSAN
SERVICES ENG:	
ESTIMATOR:	
DRAWN BY:	ASFAN AHMED

PROJECT:	PROPOSED 08 CLASSROOM , 2 LABORATORY & MULTI PURPOSE HALL BLOCK
LOCATION:	F.NILANDHOO
DRAWING TITLE:	AS GIVEN
CLIENT:	MINISTRY OF EDUCATION
SCALE:	AS GIVEN
DIMENSION:	MM
DATE:	AUGUST 2015

E-06
DWG NO

PROJECT NO.: 14-124

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LEGEND		
	P23	FAN / LIGHT DIMMER SWITCH
	V01b	DIA. 1200 CEILING FAN
	V06	EXHAUST

GROUND FLOOR FAN PLAN
SCALE 1:100

CONTRACTORS MUST
CHECK ALL
DIMENSIONS ON SITE
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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

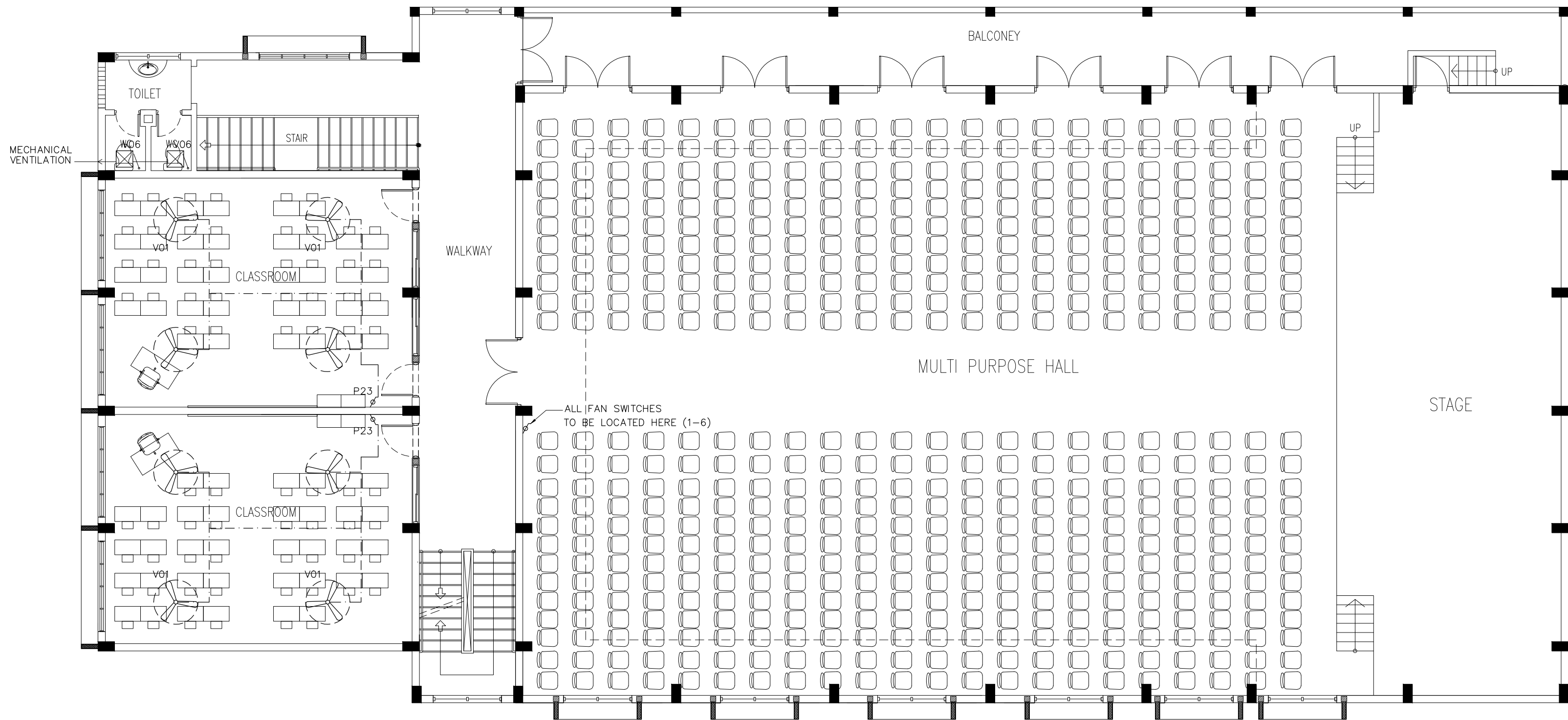
PROJECT:	PROPOSED OR CLASSROOM , 2 LABORATORY & MULTI PURPOSE HALL BLOCK
LOCATION:	F.NILANDHOO
DRAWING TITLE:	AS GIVEN
CLIENT:	MINISTRY OF EDUCATION
SCALE:	AS GIVEN
DIMENSION:	MM
DATE:	AUGUST 2015

E-07

DWG NO

PROJECT NO.: 14-124

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LEGEND

	P23	FAN / LIGHT DIMMER SWITCH
	V01b	DIA. 1200 CEILING FAN
	V06	EXHAUST

1ST FLOOR FAN PLAN
SCALE 1:100

CONTRACTORS MUST
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DIMENSIONS ON SITE
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DIMENSIONS TO TAKE
PRECEDENCE OVER
SCALE READINGS



REVISION:	

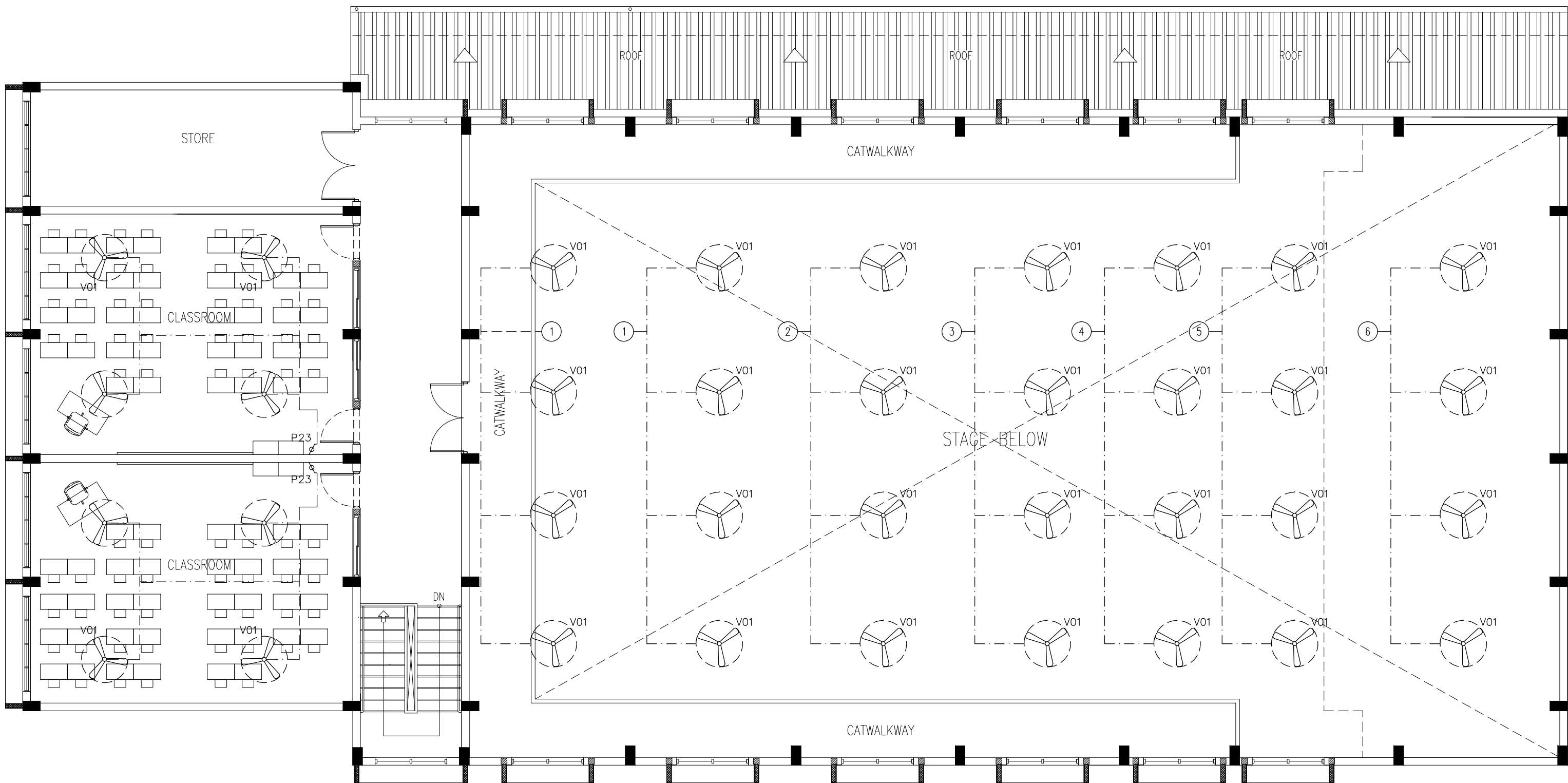
ARCHITECT:	MOHAMED HAMEEN
ENGINEER:	MOHAMED AHSAN
SERVICES ENG:	
ESTIMATOR:	
DRAWN BY:	ASFAN AHMED

PROJECT:	PROPOSED 08 CLASSROOM , 2 LABORATORY & MULTI PURPOSE HALL BLOCK
LOCATION:	F.NILANDHOOD
DRAWING TITLE:	AS GIVEN
CLIENT:	MINISTRY OF EDUCATION
SCALE:	AS GIVEN
DIMENSION:	MM
DATE:	AUGUST 2015

E-08
DWG NO

PROJECT NO.: 14-124

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LEGEND

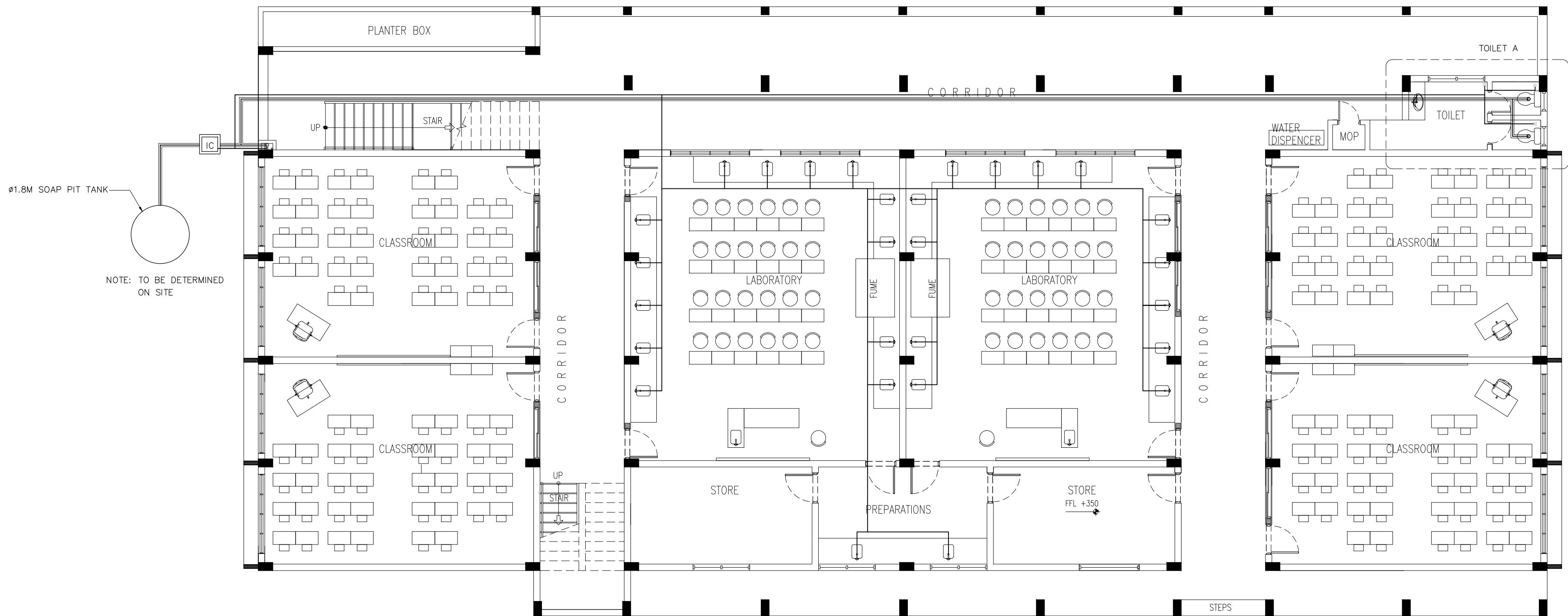
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	V01b	DIA. 1200 CEILING FAN
	V06	EXHAUST

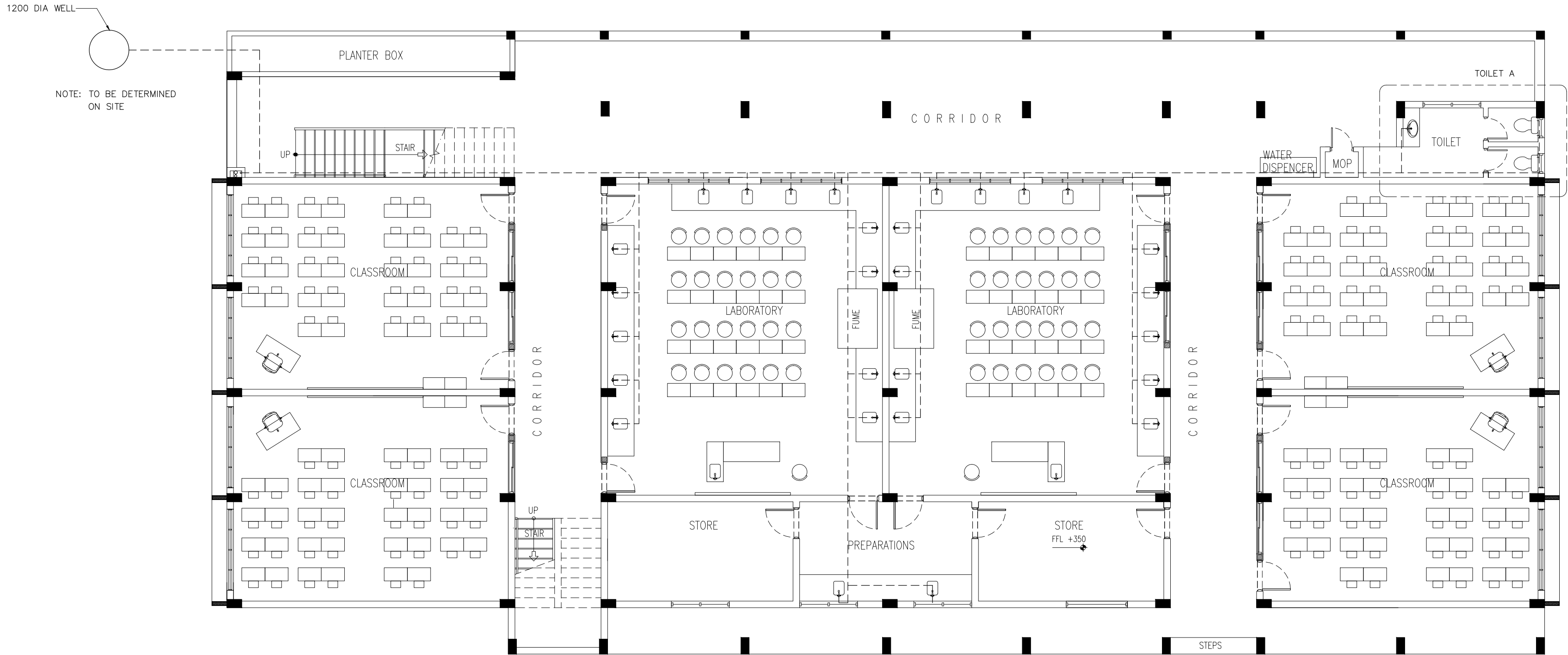
2ND FLOOR FAN PLAN
SCALE 1:100

CONTRACTORS MUST
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DIMENSIONS TO TAKE
PRECEDENCE OVER
SCALE READINGS



REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: PROPOSED 08 CLASSROOM , 2 LABORATORY & MULTI PURPOSE HALL BLOCK
	ENGINEER: MOHAMED AHSAN	LOCATION: F.NILANDHOO
	SERVICES ENG:	DRAWING TITLE: AS GIVEN
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION
	DRAWN BY: ASFAN AHMED	SCALE: AS GIVEN
		DIMENSION: MM
		DATE: AUGUST 2015
		PROJECT NO.: 14-124





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

MAIN FRESH WATER SUPPLY PLAN
SCALE 1:100

CONTRACTORS MUST
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DRAWINGS FIGURED
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PRECEDENCE OVER
SCALE READINGS



REVISION:	

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

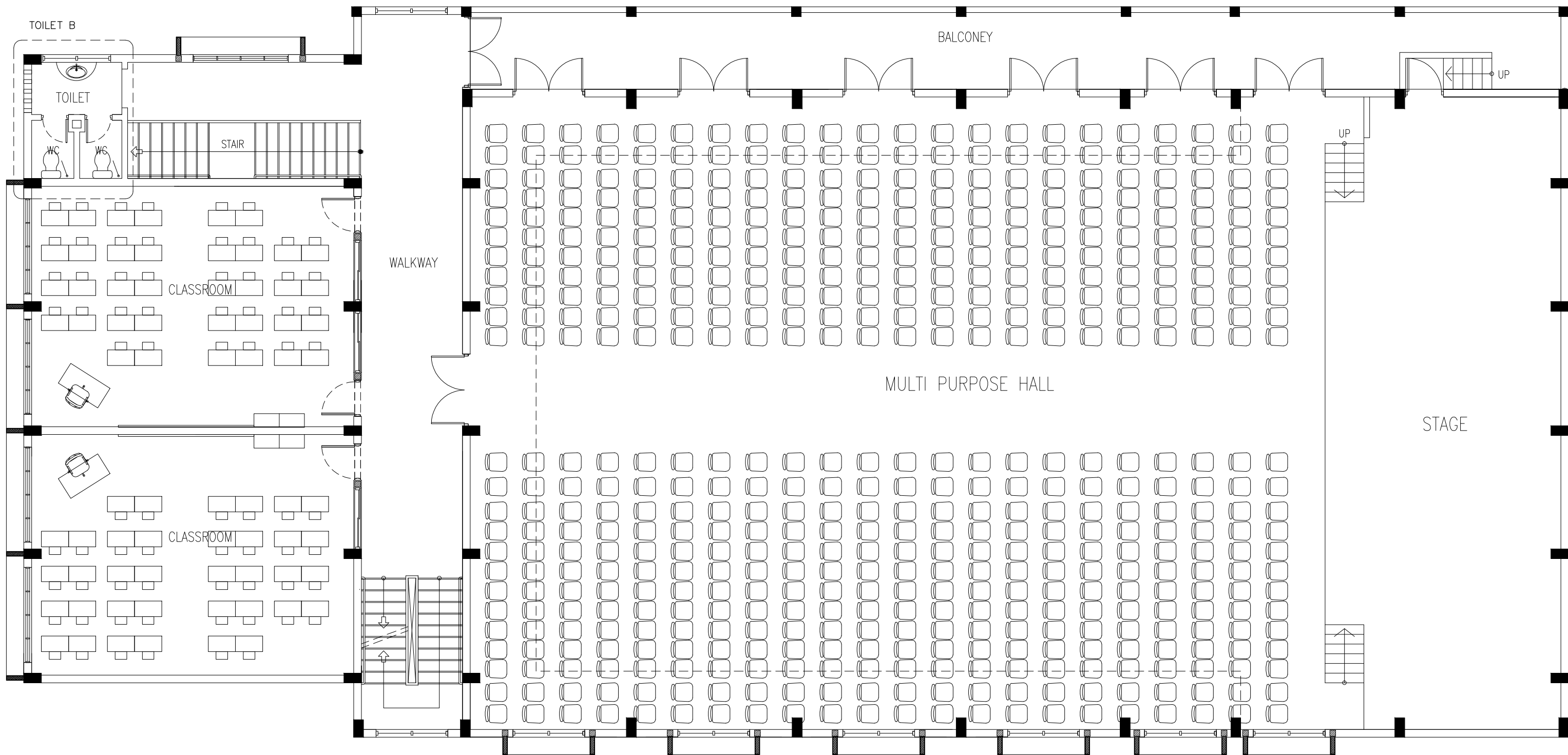
PROJECT:	PROPOSED 08 CLASSROOM, 2 LABORATORY & MULTI PURPOSE HALL BLOCK		
LOCATION:	F.NILANDHOO		
DRAWING TITLE:	AS GIVEN		
CLIENT:	MINISTRY OF EDUCATION		
SCALE:	AS GIVEN	DIMENSION: MM	DATE: AUGUST 2015

P-02

DWG NO

PROJECT NO: 14-124

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LEGEND

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

1ST FLOOR PLUMBING KEY 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

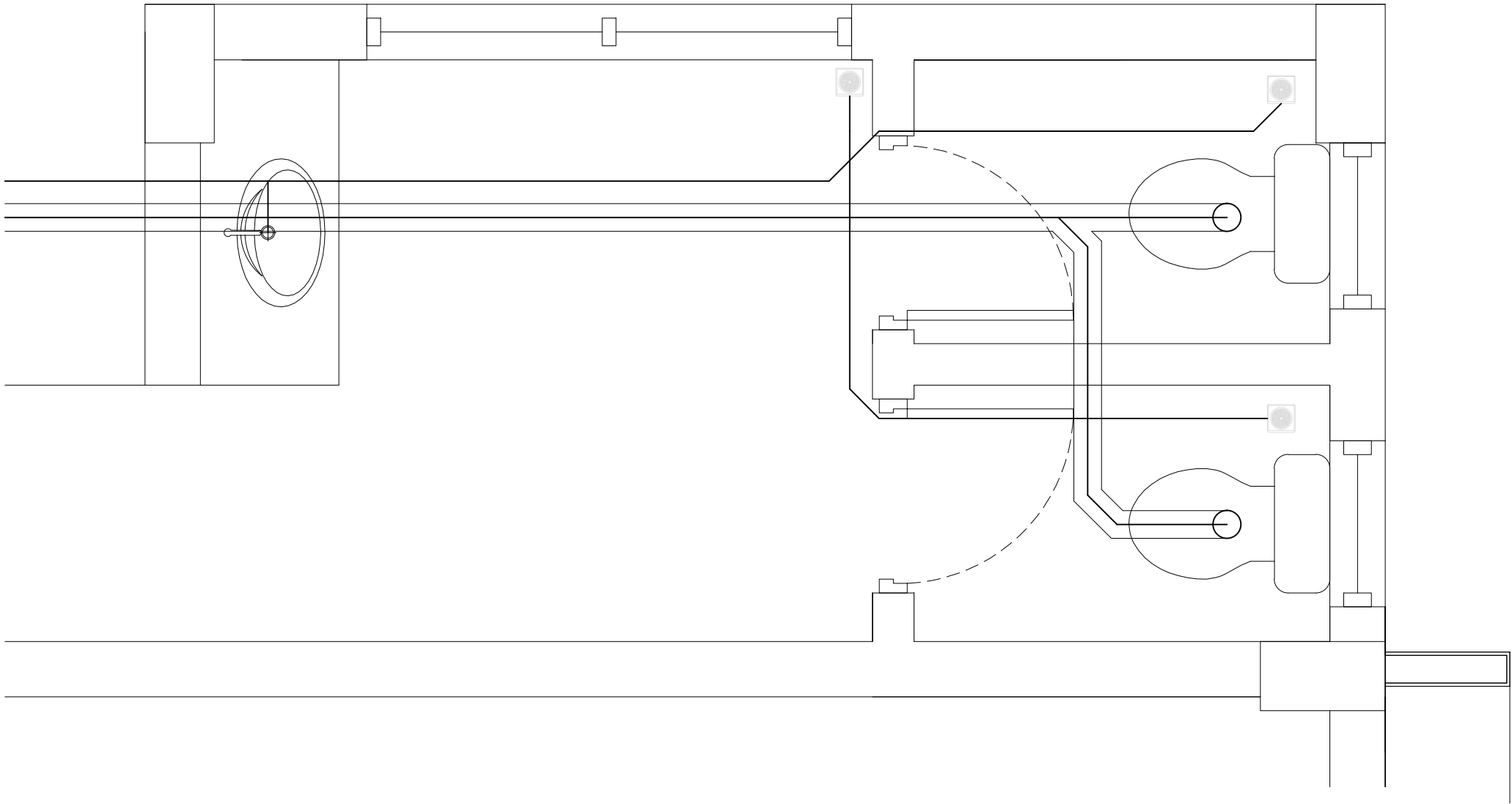
PROJECT:	PROPOSED 08 CLASSROOM , 2 LABORATORY & MULTI PURPOSE HALL BLOCK
LOCATION:	F.NILANDHOO
DRAWING TITLE:	AS GIVEN
CLIENT:	MINISTRY OF EDUCATION
SCALE:	AS GIVEN
DIMENSION:	MM
DATE:	AUGUST 2015

P-03

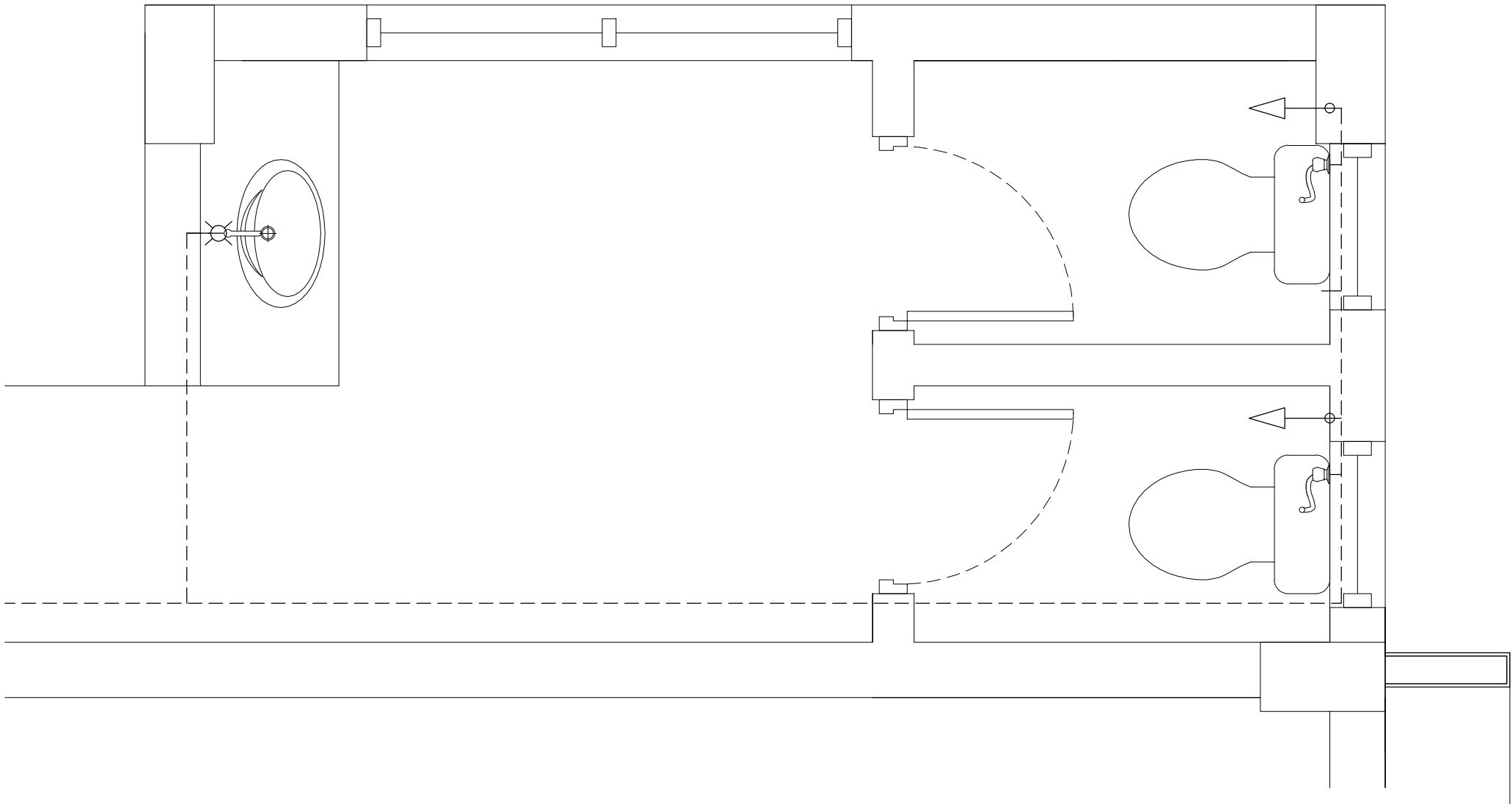
DWG NO

PROJECT NO.: 14-124

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SEWAGE AND WASTE DISPOSAL PLAN
(TOILET A)
SCALE 1:100



FRESH WATER SUPPLY PLAN (TOILET A)
SCALE 1:100

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SCALE READINGS

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admin@archeng.biz

REVISION:

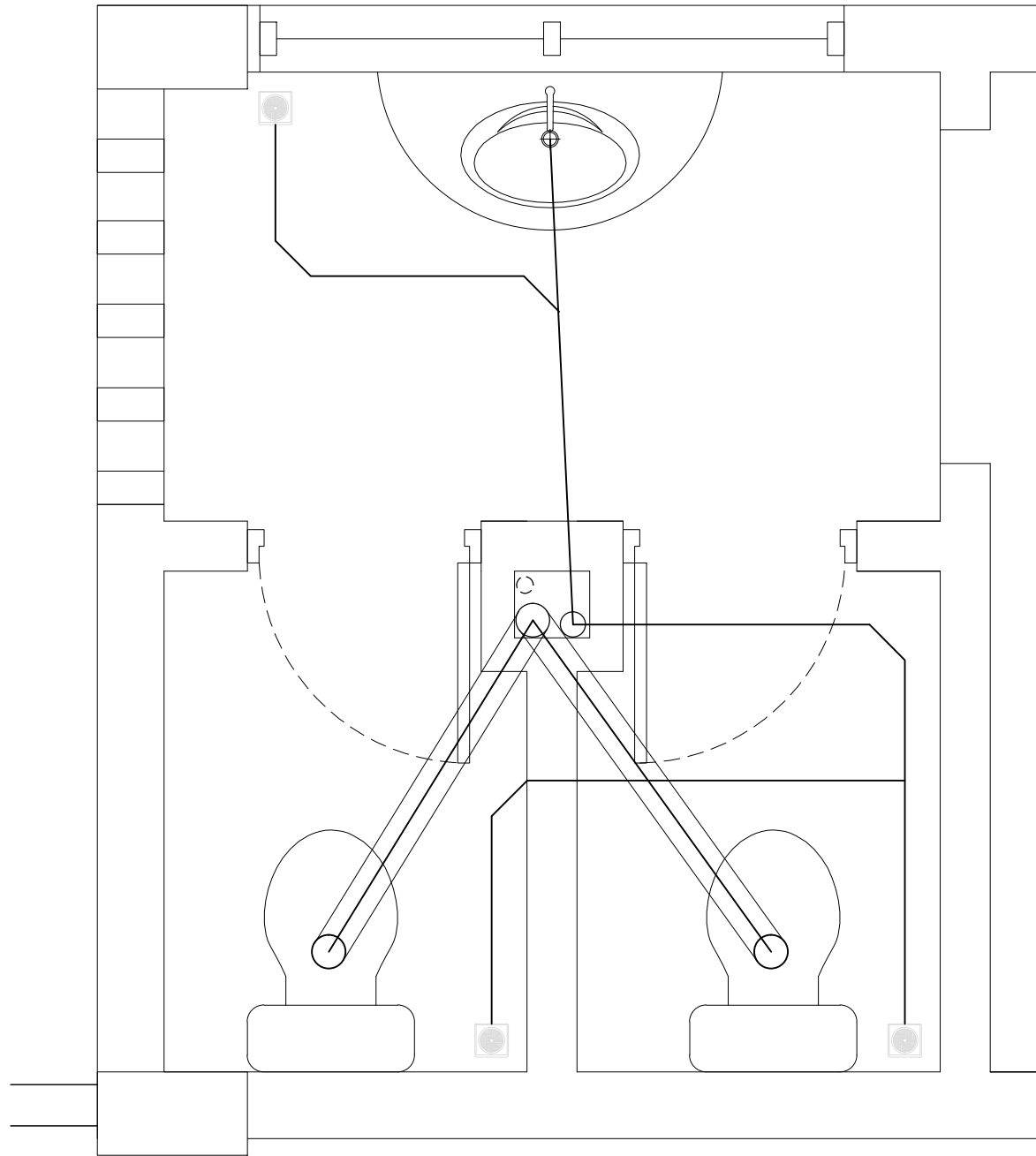
ARCHITECT: MOHAMED HAMEEN
ENGINEER: MOHAMED AHSAN
SERVICES ENG:
ESTIMATOR:
DRAWN BY: ASFAN AHMED

PROJECT: PROPOSED 08 CLASSROOM , 2 LABORATORY & MULTI PURPOSE HALL BLOCK
LOCATION: F.NILANDHOO
DRAWING TITLE: AS GIVEN
CLIENT: MINISTRY OF EDUCATION
SCALE: AS GIVEN DIMENSION: MM DATE: AUGUST 2015

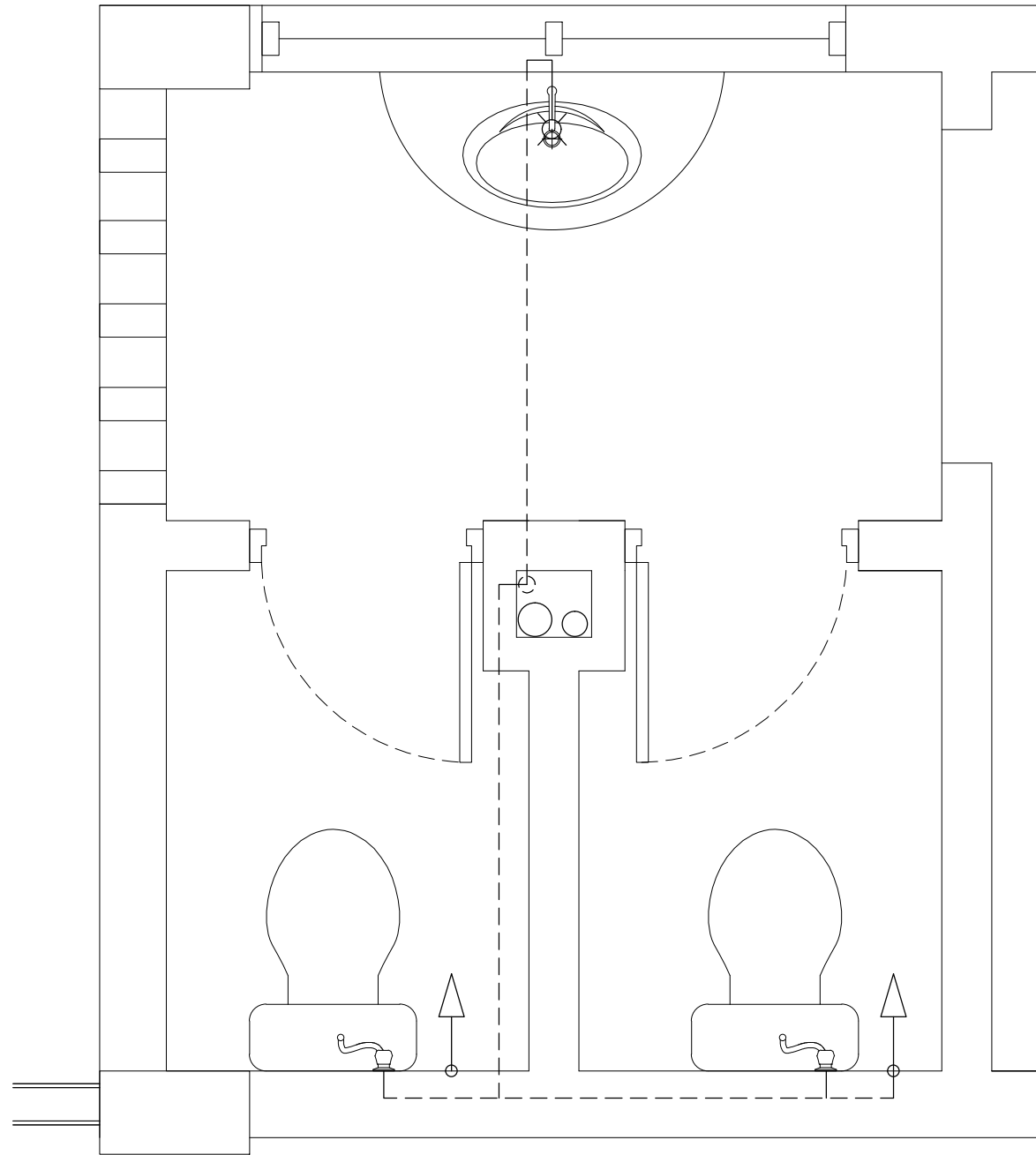
P-04
DWG NO

PROJECT NO.: 14-124

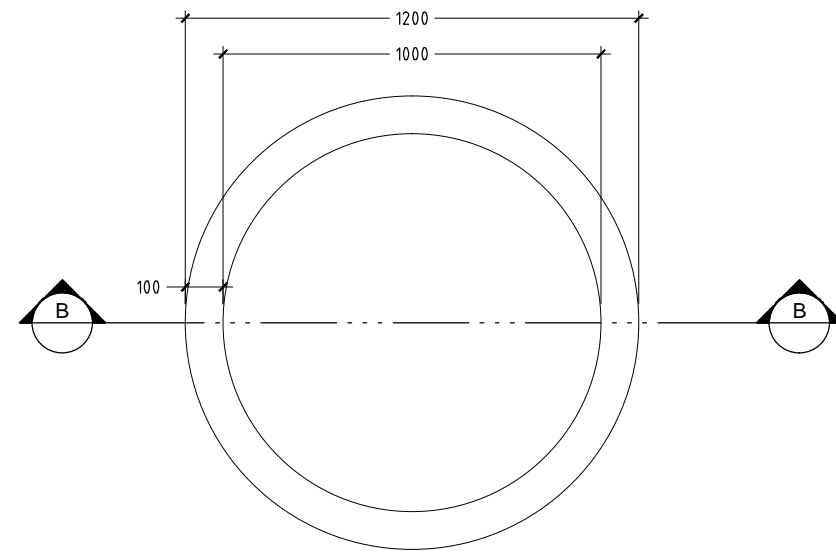
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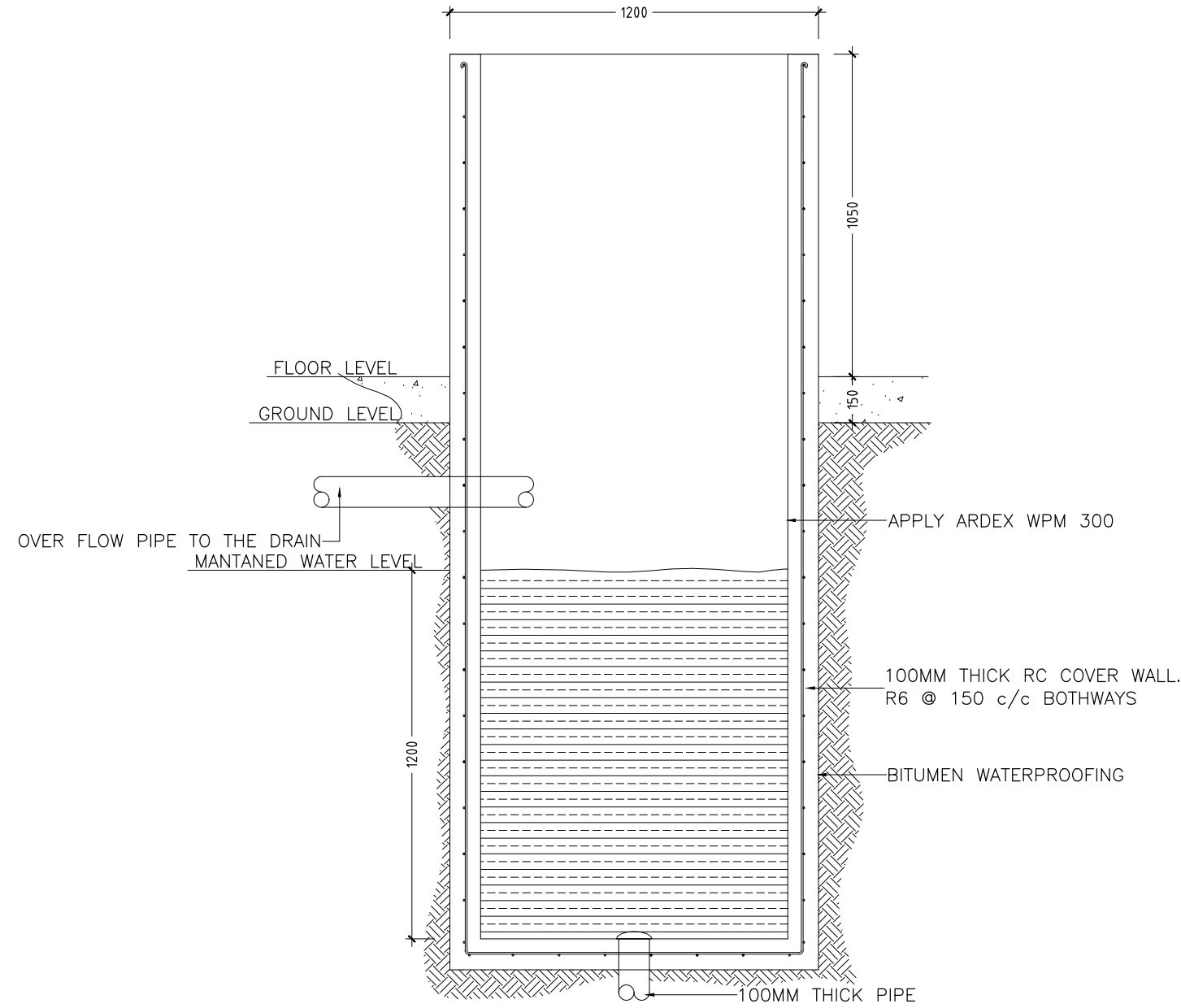
SEWAGE AND WASTE DISPOSAL PLAN
(TOILET B)
 SCALE 1:100



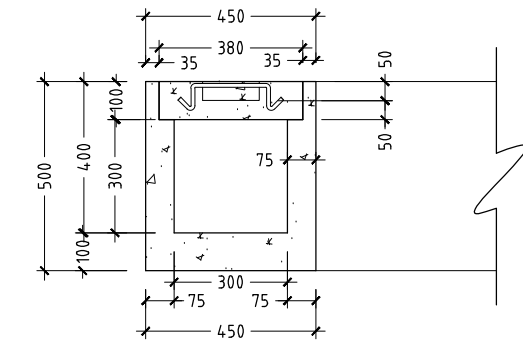
FRESH WATER SUPPLY PLAN (TOILET B)
 SCALE 1:100



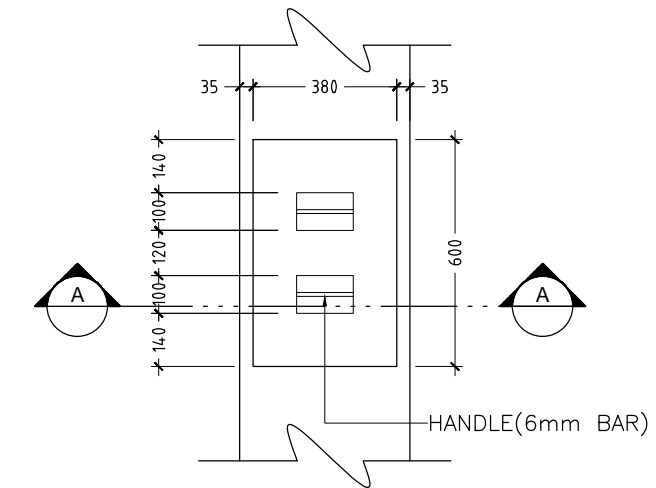
DETAIL B/ PLAN VIEW OF WELL
SCALE 1 : 20



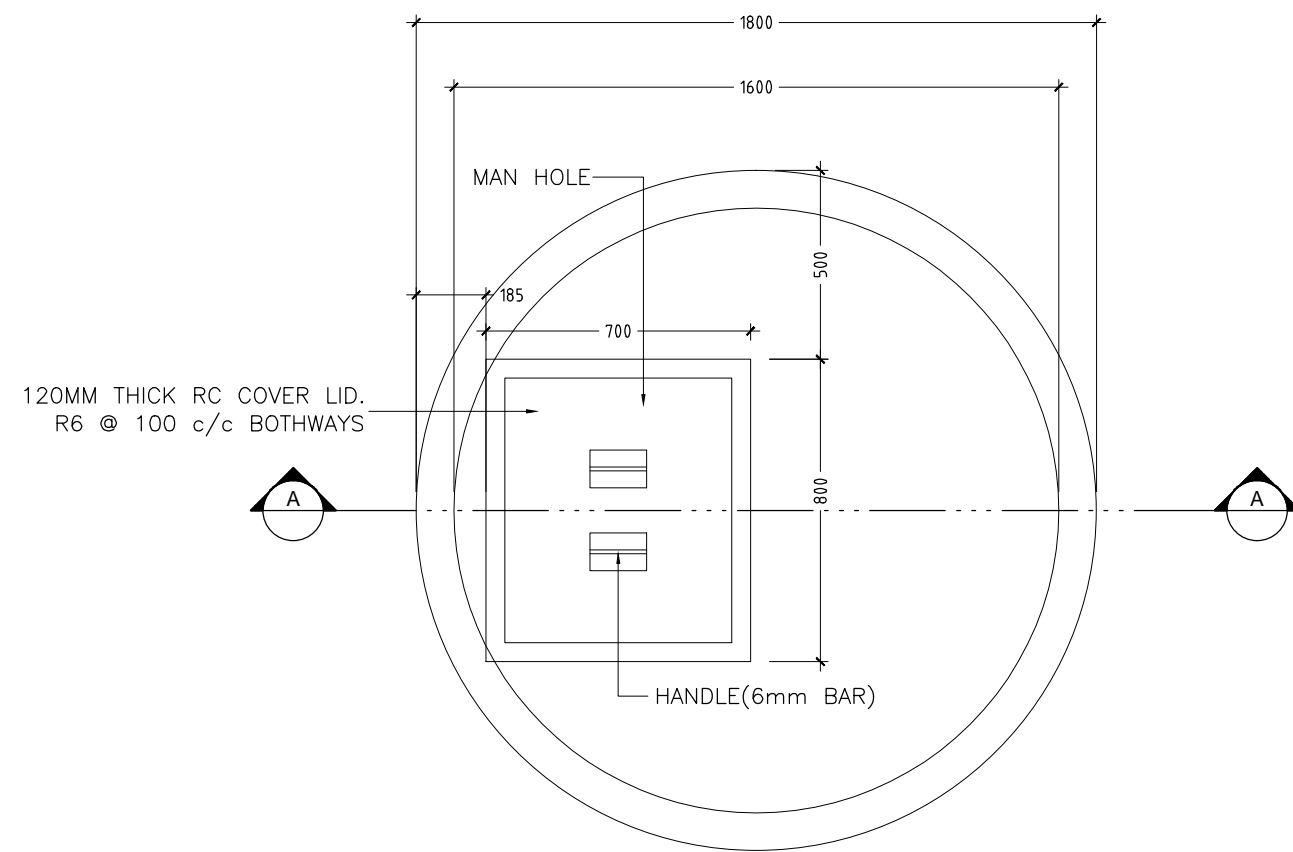
DETAIL B/ SECTION A-A OF WELL
SCALE 1 : 20



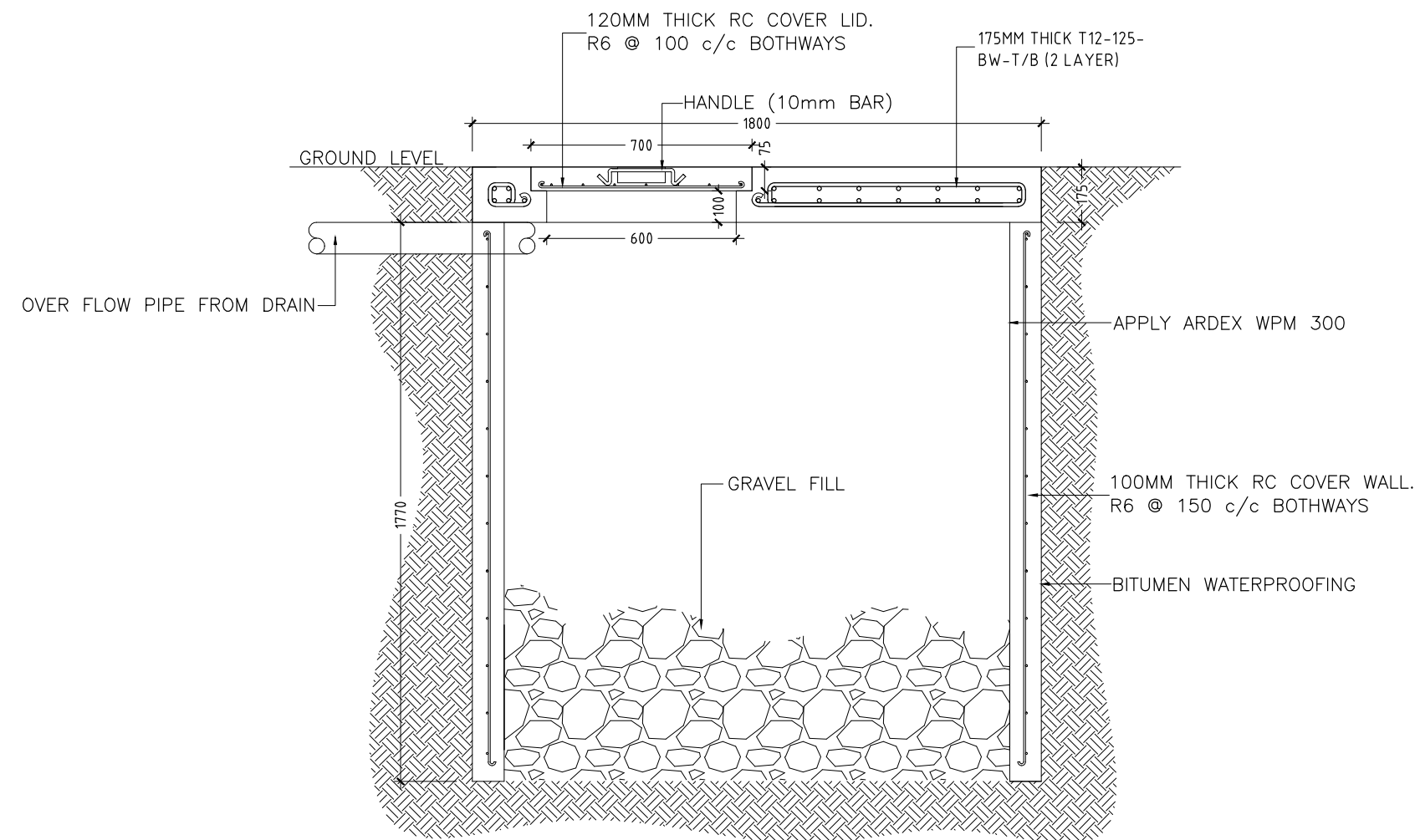
DETAIL A/ SECTION A-A
SCALE 1 : 20



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



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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DIMENSIONS TO TAKE
PRECEDENCE OVER
SCALE READINGS

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admin@archeng.biz

REVISION:

DRAWN BY: ASFAN AHMED

ARCHITECT: MOHAMED HAMEEN
ENGINEER: MOHAMED AHSAN
SERVICES ENG.
ESTIMATOR:
SCALE: AS GIVEN

PROJECT: PROPOSED OR CLASSROOM , 2 LABORATORY & MULTI PURPOSE HALL BLOCK
LOCATION: F.NILANDHOO
DRAWING TITLE: AS GIVEN
CLIENT: MINISTRY OF EDUCATION
SCALE: AS GIVEN
DIMENSION: MM
DATE: AUGUST 2015

P-06

DWG NO
PROJECT NO.: 14-124

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