

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

(3 STOREY)

ENHANCING EDUCATION DEVELOPMENT PROJECT (EEDP)

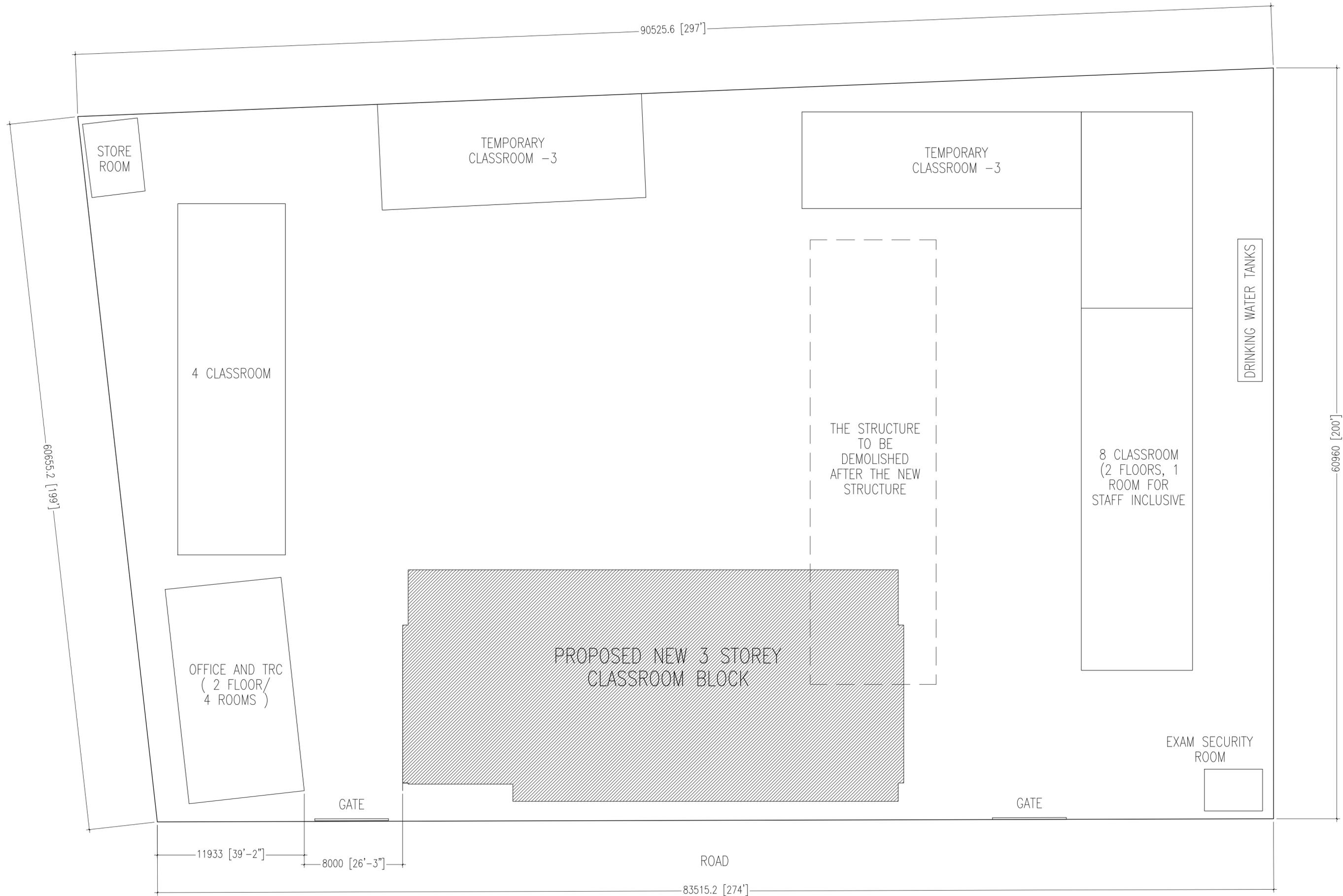
DETAIL DRAWINGS

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



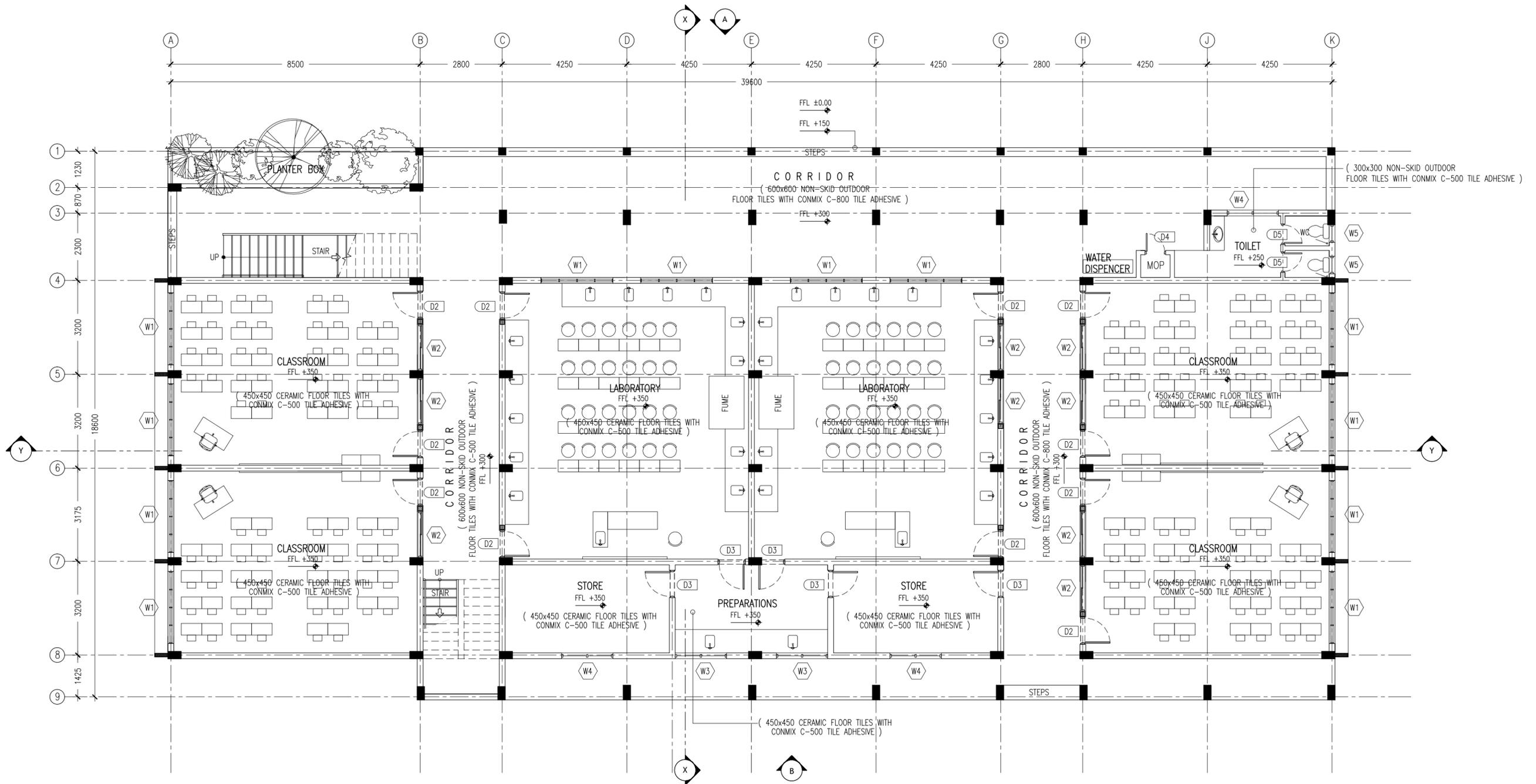
REVISION:	ARCHITECT: MOHAMED HAMEEN
	ENGINEER: MOHAMED AHSAN
	SERVICES ENG:
	ESTIMATOR:
	DRAWN BY: ASFAN AHMED

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

DWG NO	PROJECT NO: 14-124
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A-01

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GROUND FLOOR LAYOUT PLAN
SCALE 1:100

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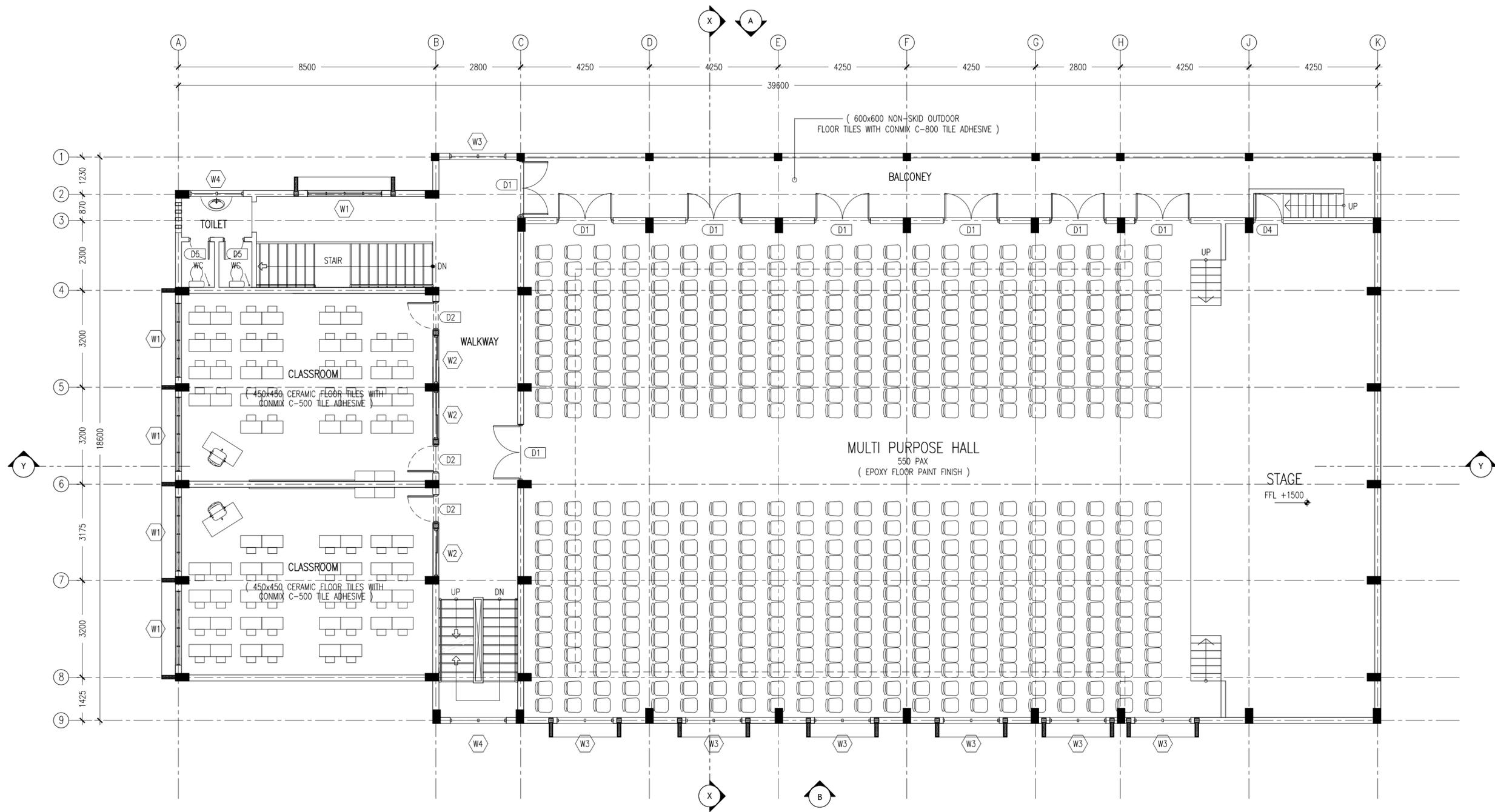
REVISION:

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

PROJECT: PROPOSED 08 CLASSROOM, 2 LABORATORY & MULTI PURPOSE HALL BLOCK
 LOCATION: F/NILANDHOO
 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

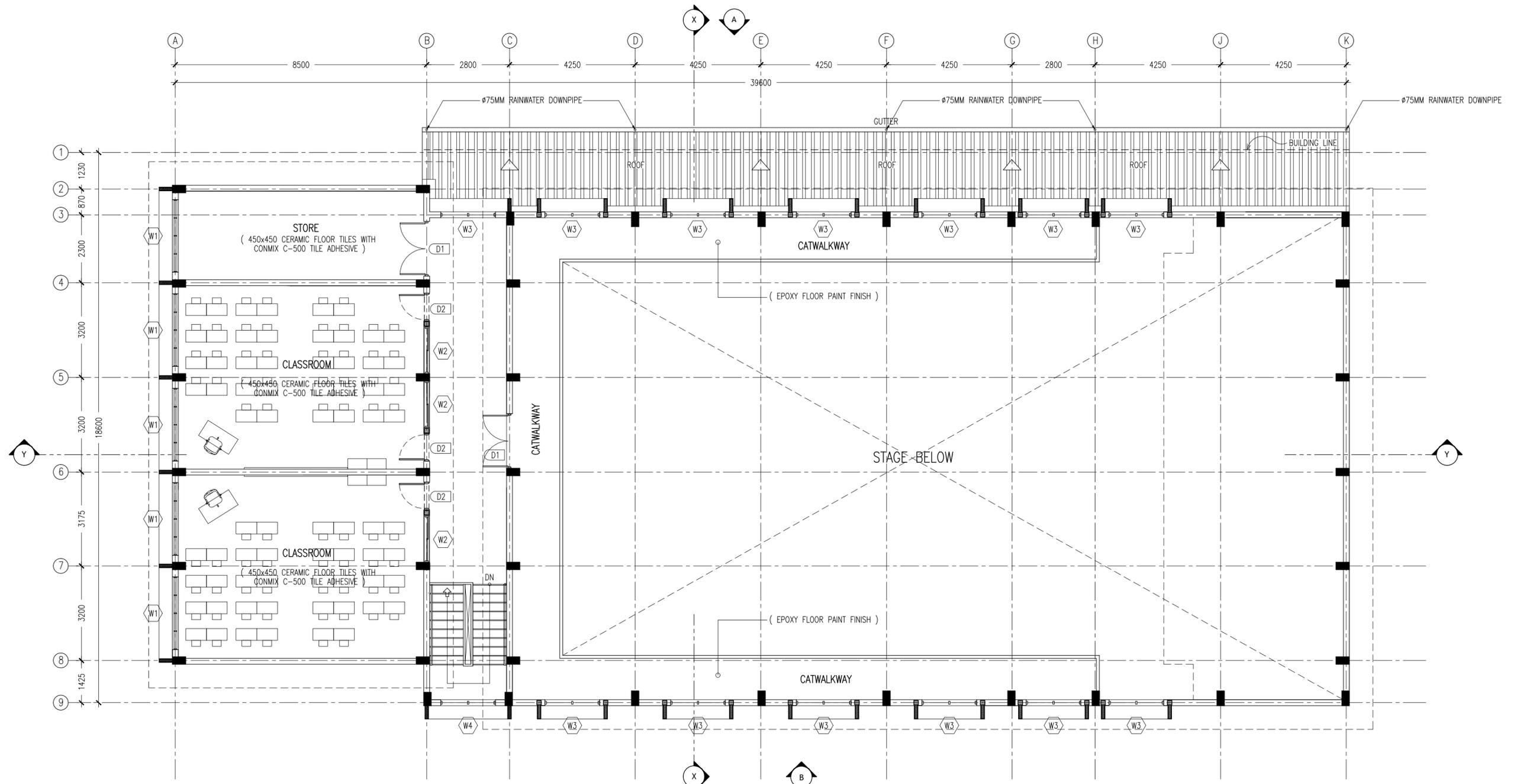
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REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: PROPOSED 08 CLASSROOM, 2 LABORATORY & MULTI PURPOSE HALL BLOCK
	ENGINEER: MOHAMED AHSAN	LOCATION: F.NILANDHOO
	SERVICES ENG: AS GIVEN	DRAWING TITLE: AS GIVEN
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION
	DRAWN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

A-03
DWG NO
PROJECT NO: 14-124

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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

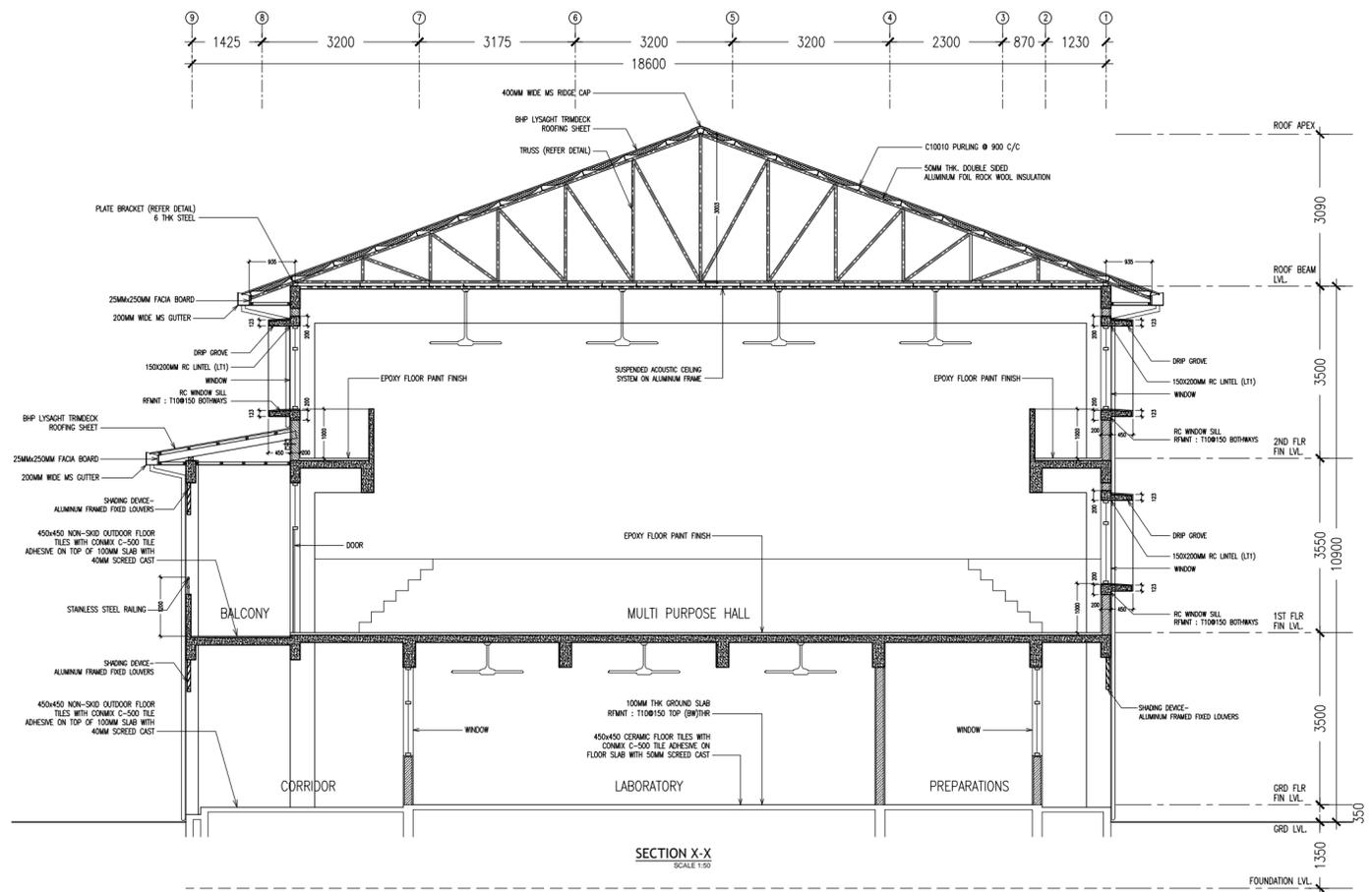


REVISION:	ARCHITECT: MOHAMED HAMEEN
	ENGINEER: MOHAMED AHSAN
	SERVICES ENG:
	ESTIMATOR:
	DRAWN BY: ASFAN AHMED

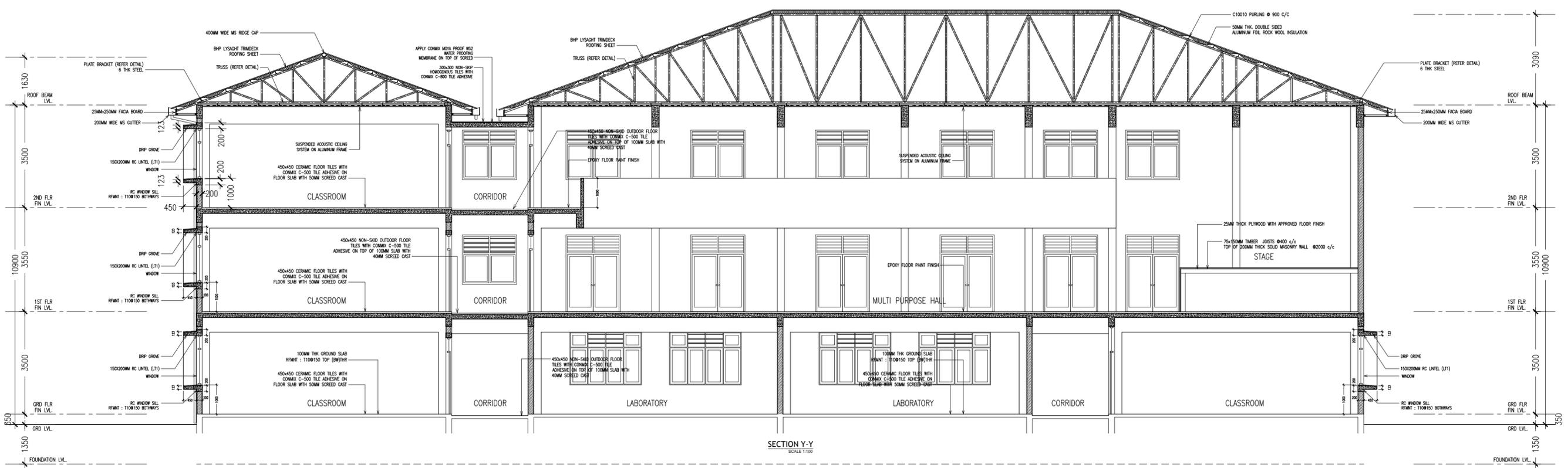
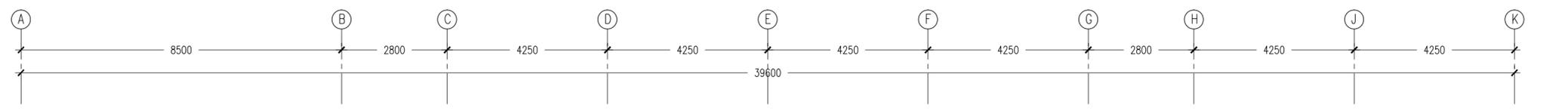
PROJECT: PROPOSED OF CLASSROOM, 2 LABORATORY & MULTI PURPOSE HALL BLOCK
LOCATION: F.NILANDHOO
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A-04
DWG NO
PROJECT NO: 14-124

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SECTION X-X
SCALE 1:50



SECTION Y-Y
SCALE 1:50

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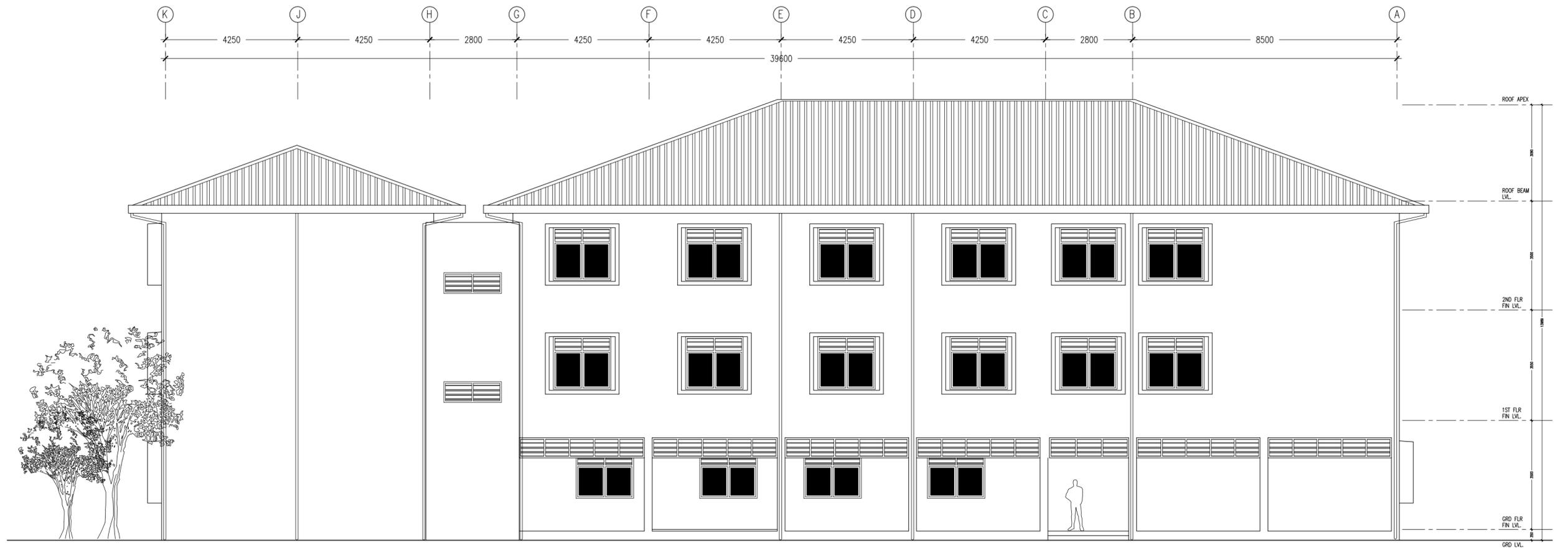
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	ENGINEER: MOHAMED AHSAN	LOCATION: F.NILANDHOO
	SERVICES ENG:	DRAWING TITLE: AS GIVEN
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION
	DRAWN BY: ASFAN AHMED	SCALE: AS GIVEN
		DIMENSION: MM
		DATE: AUGUST 2015
		PROJECT NO.: 14-124

A-06

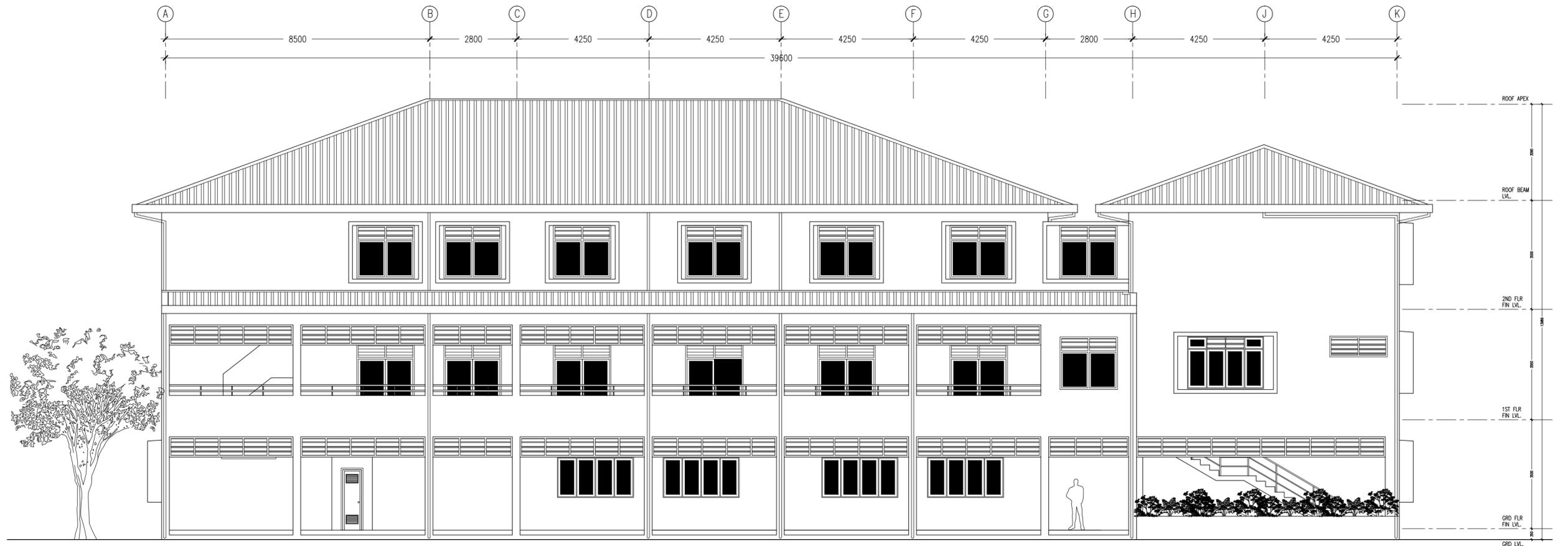
DWG NO

PROJECT NO.: 14-124

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ELEVATION -B
SCALE 1:100



ELEVATION -A
SCALE 1:100

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ArchEng studio
No. Fiyajhaaga, 1st floor, Male', Republic of Maldives
admin@archeng.biz

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SERVICES ENG. AS GIVEN
ESTIMATOR:
DRAWN BY: ASFAN AHMED

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A-07

DWG NO

PROJECT NO.: 14-124

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ELEVATIONS :					
	FINISH FLOOR LEVEL				
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				
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 :						
	FINISH FLOOR LEVEL					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			
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	

DOOR / WINDOW SCHEDULE
SCALE 1:50

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ArchEng studio
Pia Tiyajhaq, 1st floor, Mark, Republic of Maldives
admin@archeng.biz

REVISION:

DRAWN BY: ASFAN AHMED

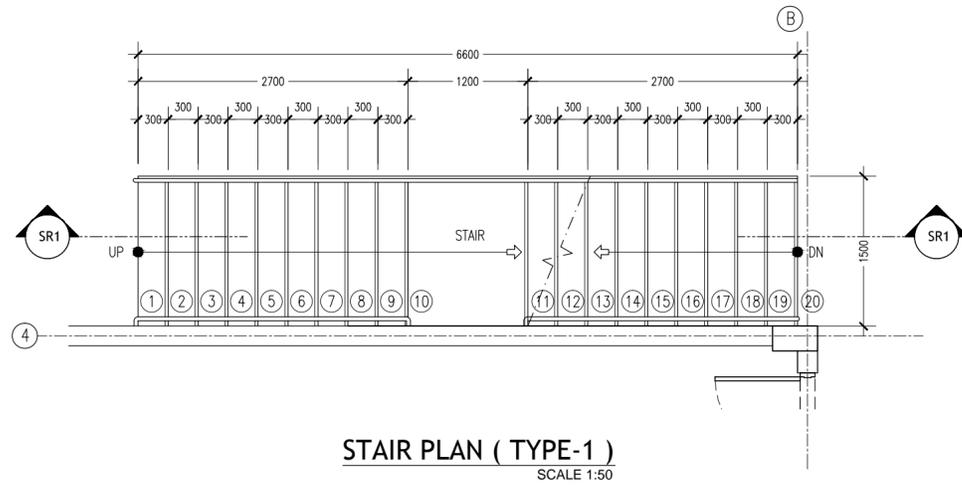
ARCHITECT: MOHAMED HAMEEN
ENGINEER: MOHAMED AHSAN
SERVICES ENG:
ESTIMATOR:
DATE: AUGUST 2015

PROJECT: PROPOSED 08 CLASSROOM, 2 LABORATORY & MULTI PURPOSE HALL BLOCK
LOCATION: FAMILANDHOO
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SCALE: AS GIVEN DIMENSION: MM DATE: AUGUST 2015

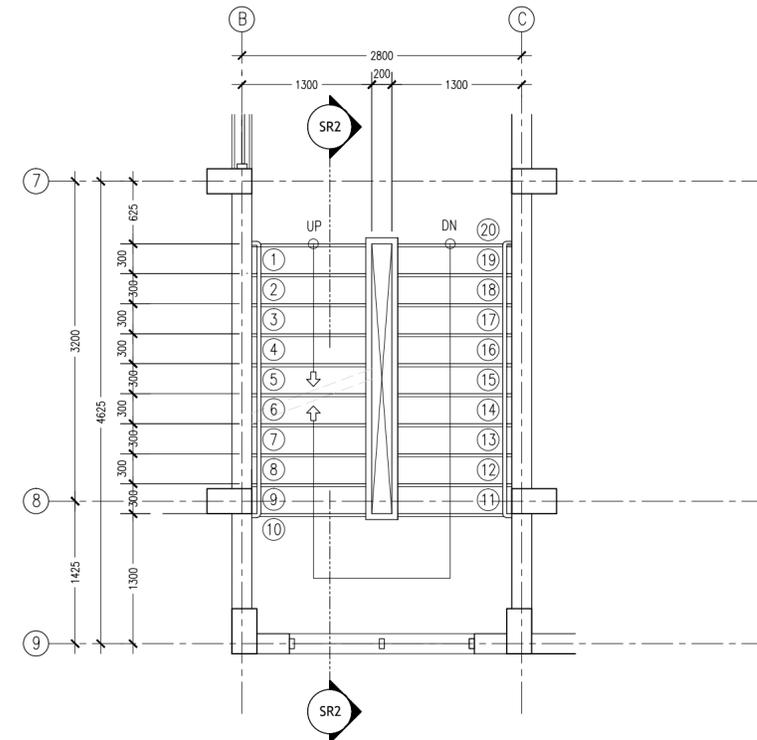
A-08

DWG NO
PROJECT NO: 14-124

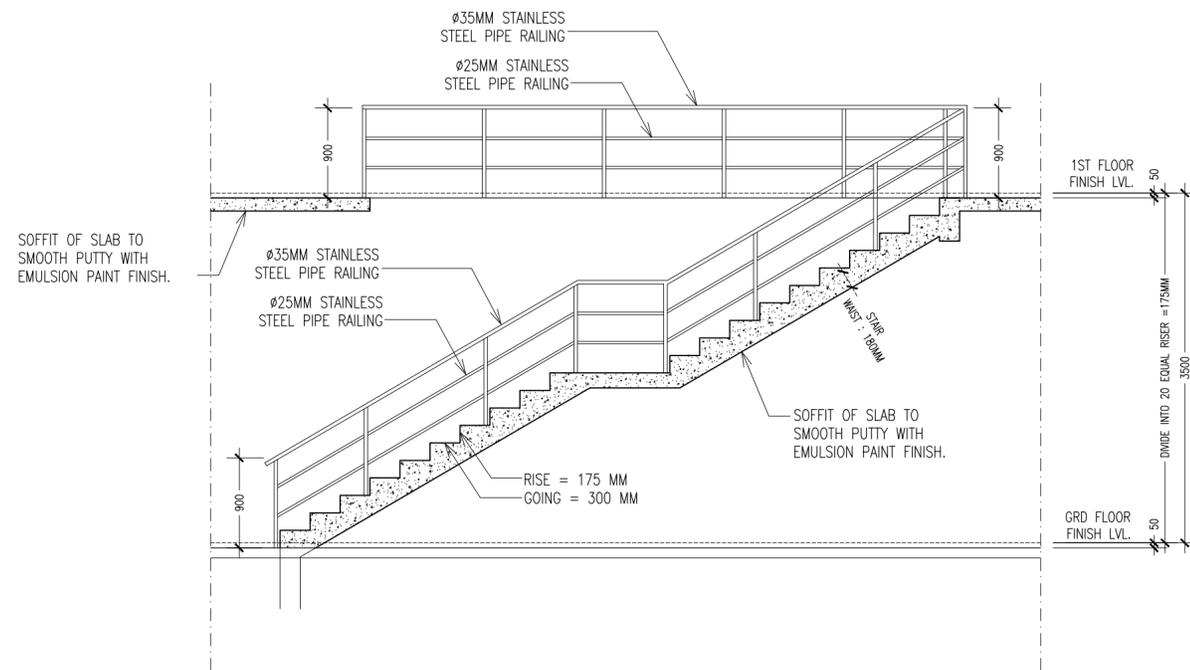
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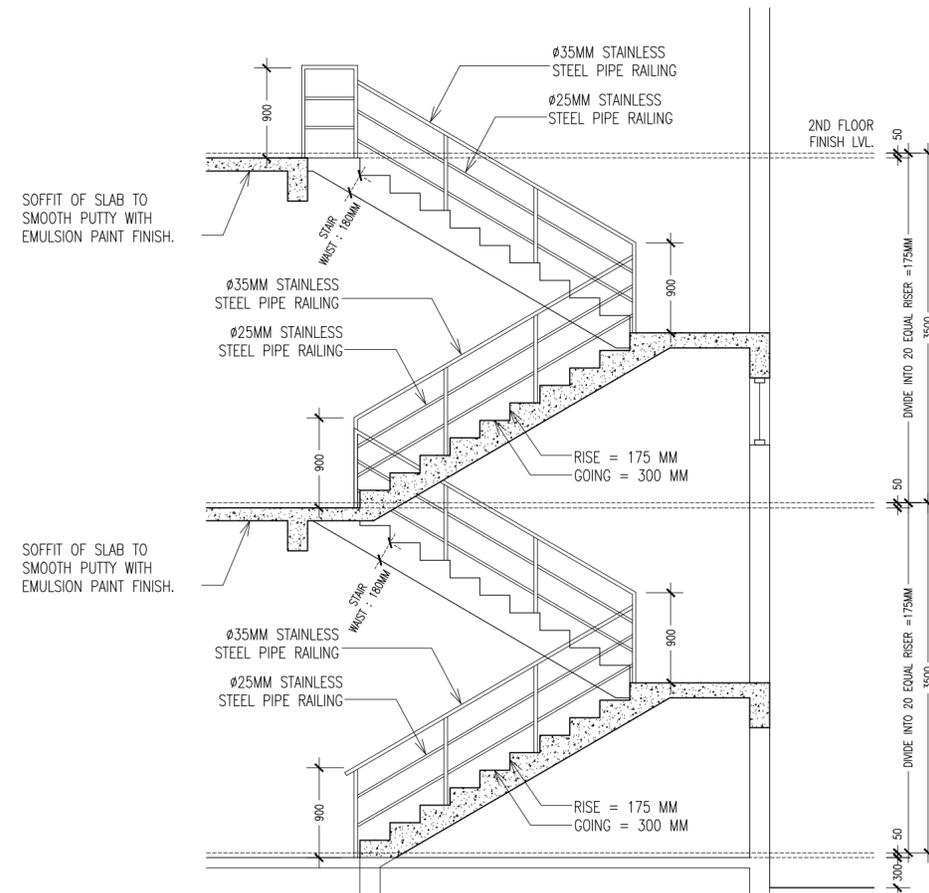
STAIR PLAN (TYPE-1)
SCALE 1:50



STAIR PLAN (TYPE-2)
SCALE 1:50



STAIR SECTION DETAIL SR1-SR1
SCALE 1:50



STAIR SECTION DETAIL SR2-SR2
SCALE 1:50

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ArchEng studio
P4, Fiyajhaaga, 1st Floor, Male', Republic of Maldives
archengstudio@gmail.com

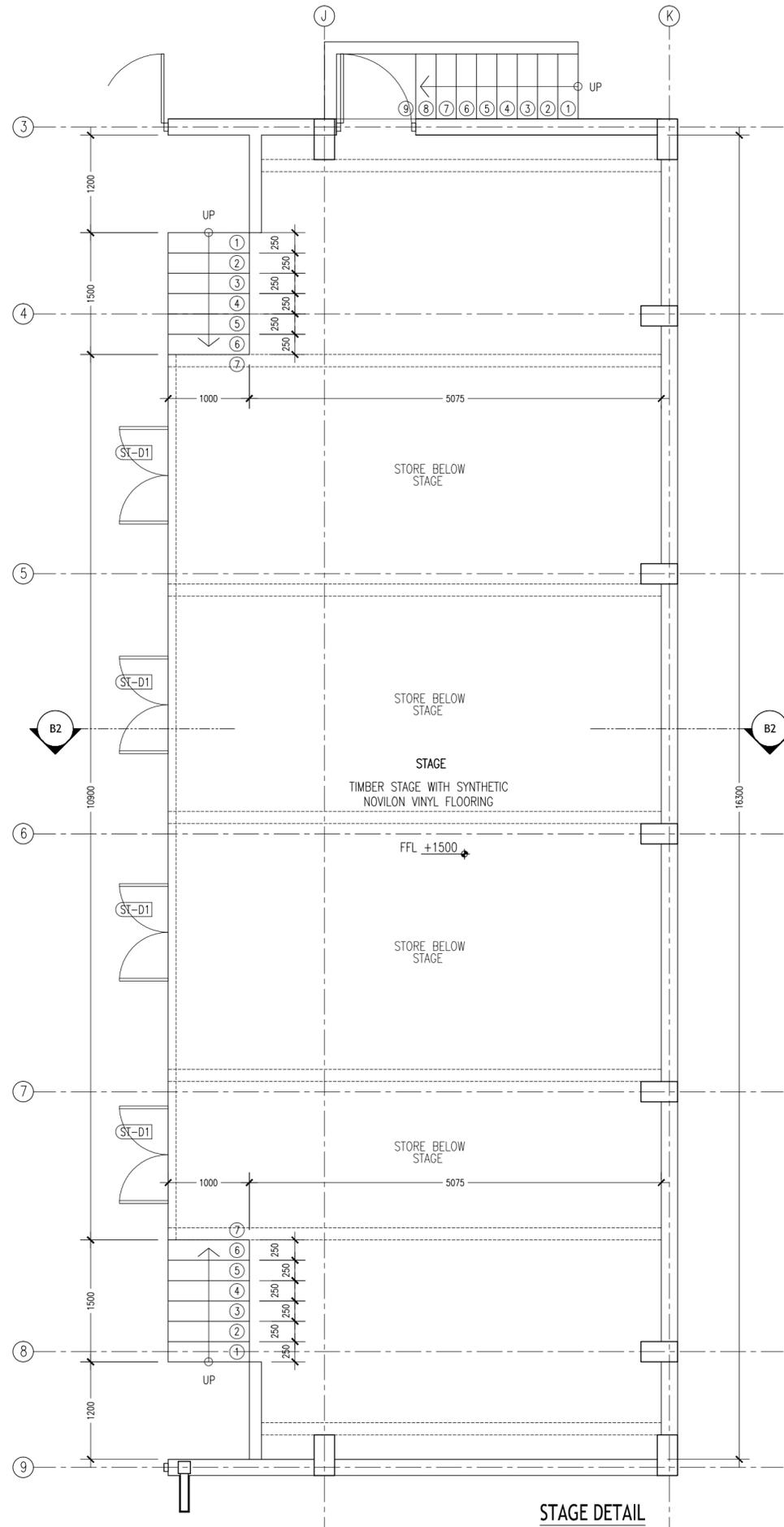
REVISION: _____
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SERVICES ENG: _____
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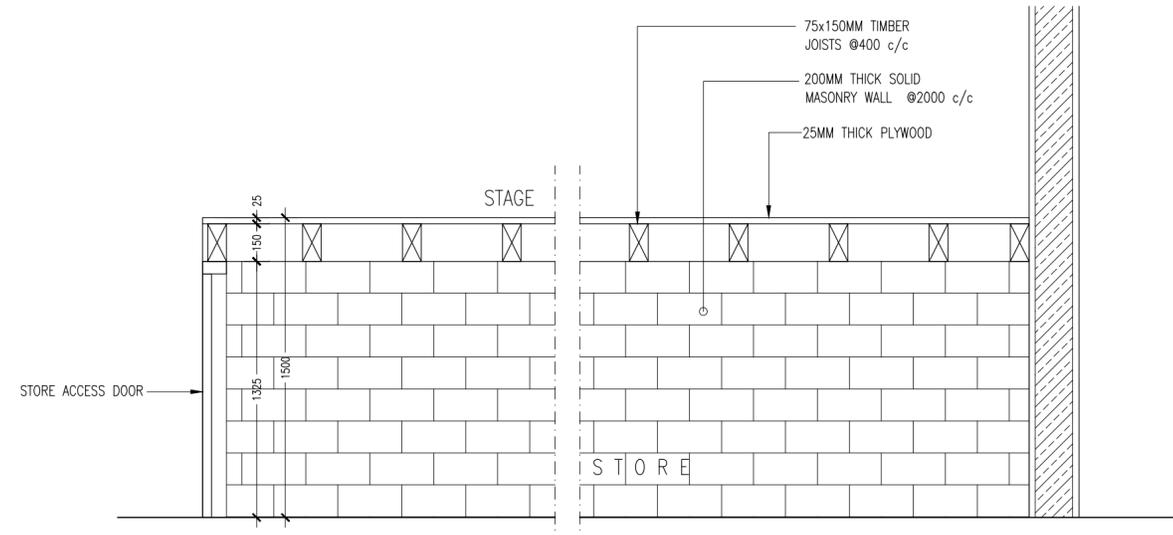
A-09
DWG NO

PROJECT NO.: 14-124

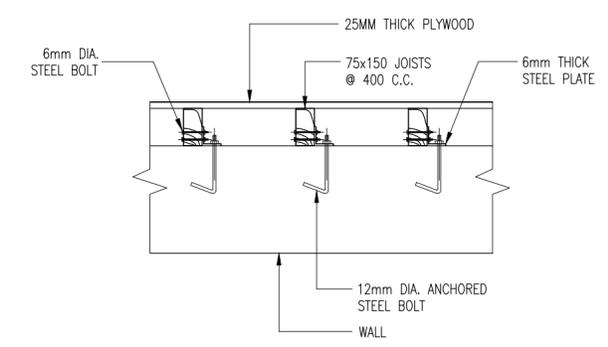
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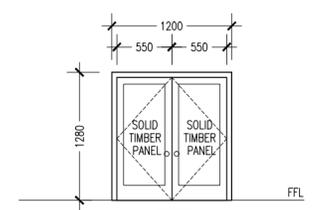
STAGE DETAIL
SCALE 1:50



SECTION B2-B2
SCALE 1:20



JOIST DETAIL
SCALE 1:20

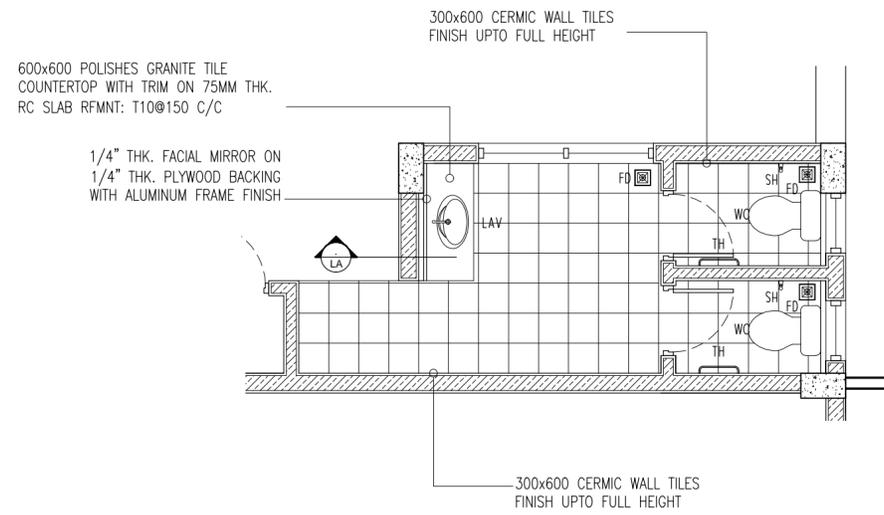


STORE DOOR
SCALE 1:50

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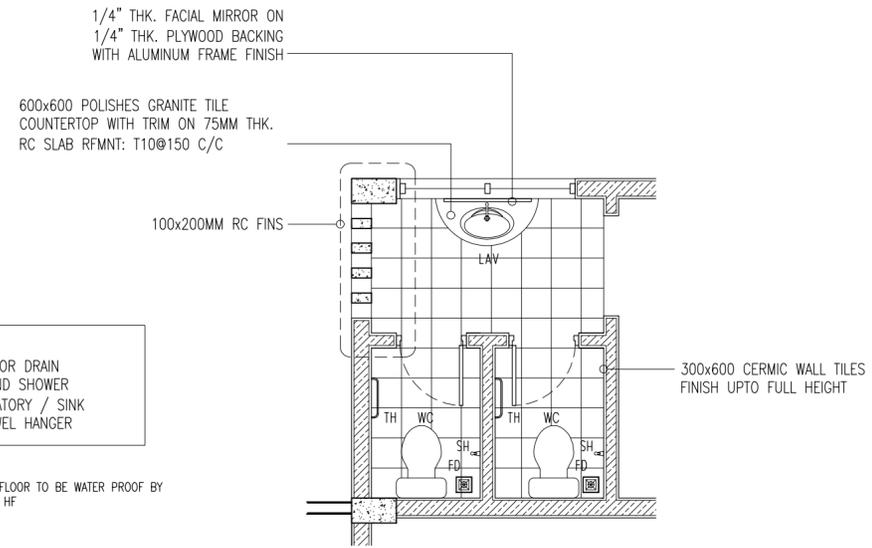
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	ENGINEER: MOHAMED AHSAN	LOCATION: FAMILANDHOOD
	SERVICES ENG:	DRAWING TITLE: AS GIVEN
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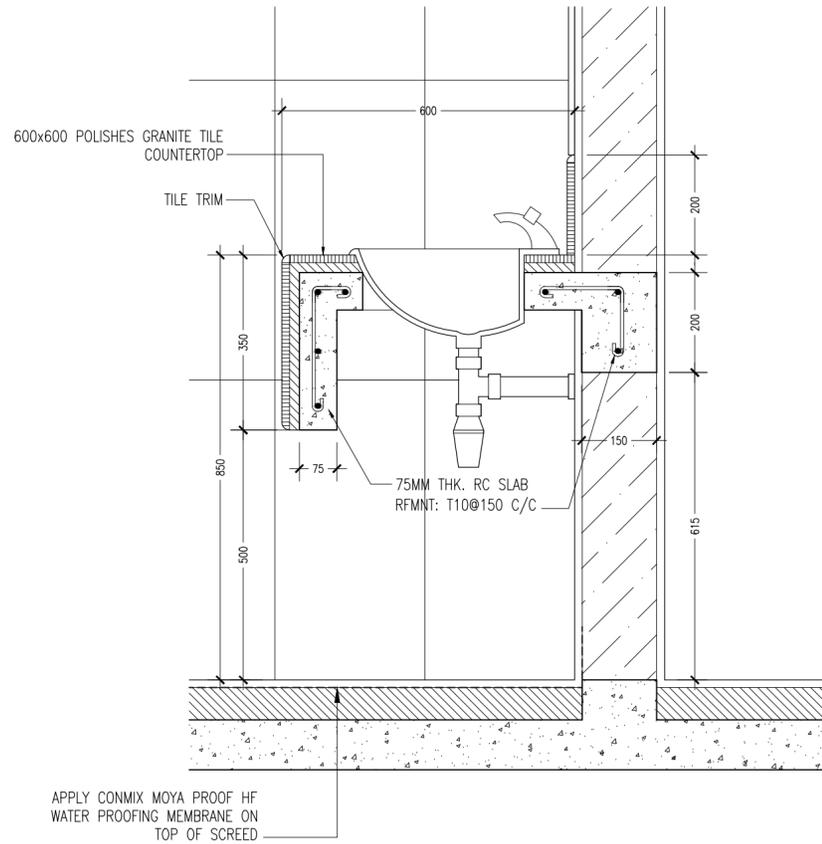
TOILET BLOCK -1 (TYPICAL) GROUND FLOOR
SCALE 1:50

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

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

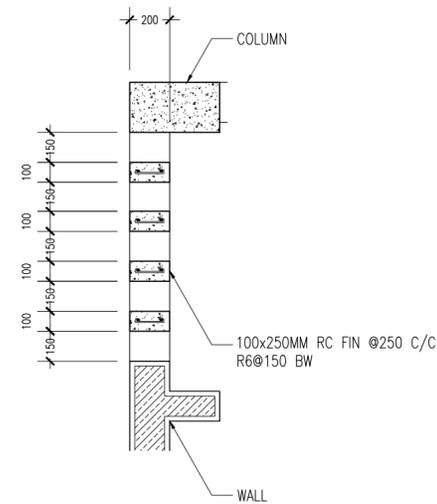


TOILET BLOCK -2 (TYPICAL) FIRST FLOOR
SCALE 1:50

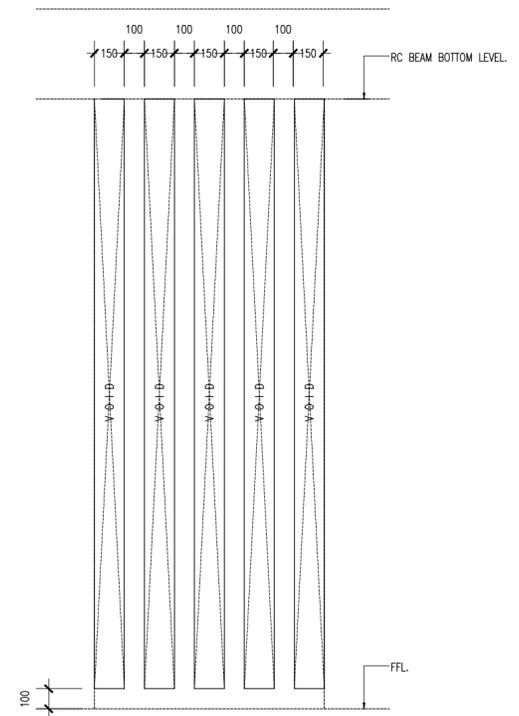


APPLY CONMIX MOYA PROOF HF WATER PROOFING MEMBRANE ON TOP OF SCREED

SECTION DETAILS LA
SCALE 1:10



RC FIN PLAN
SCALE 1:50



RC FIN FRONT ELEVATION
SCALE 1:50

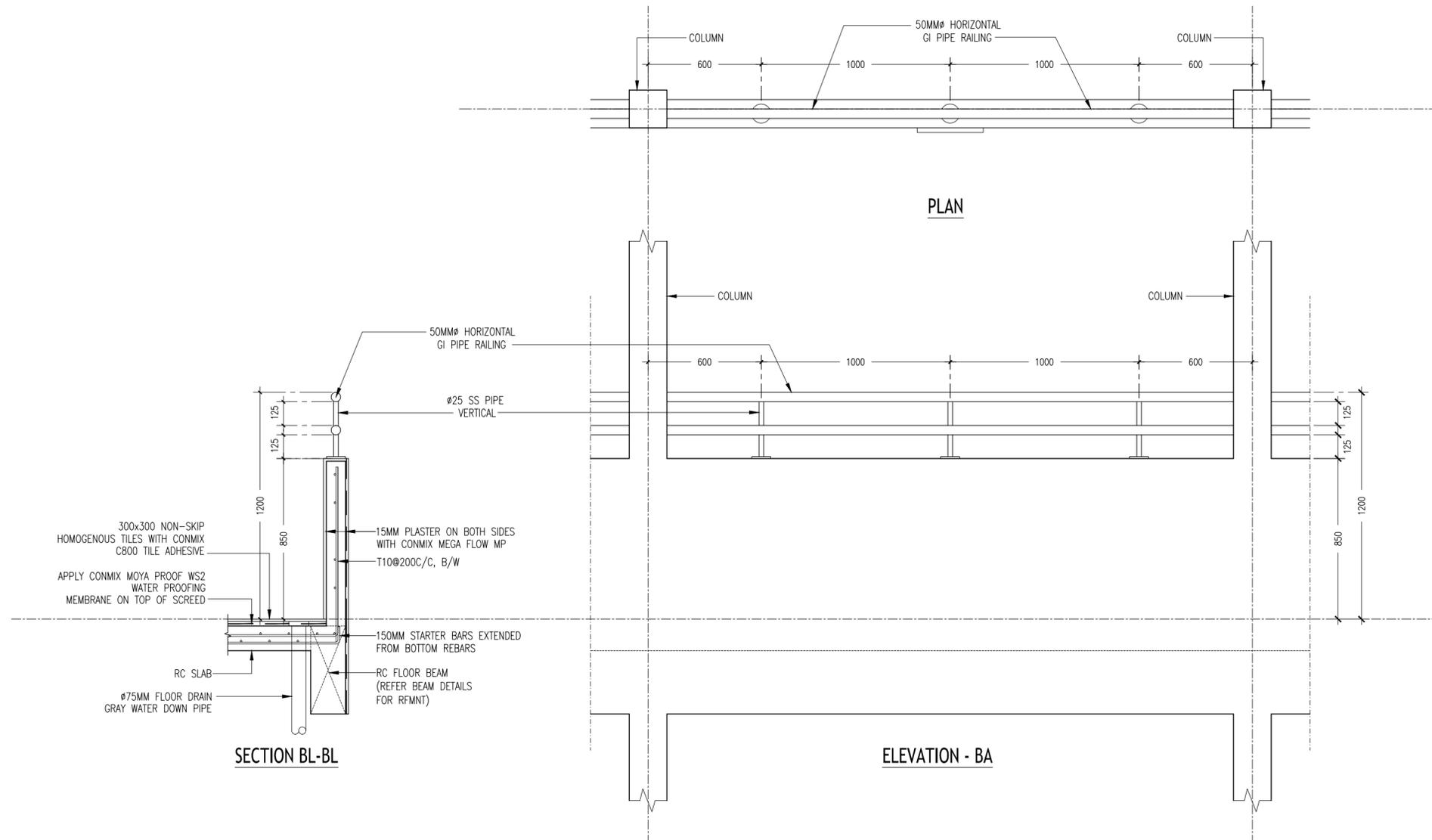
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ArchLeng studio
M4 Fiyajhahaq, 1st floor, Male Republic of Maldives
admin@archleng.biz

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	ENGINEER: MOHAMED AHASAN	LOCATION: F.NILANDHOO
	SERVICES ENG: AS GIVEN	DRAWING TITLE: AS GIVEN
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A-11
DWG NO

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

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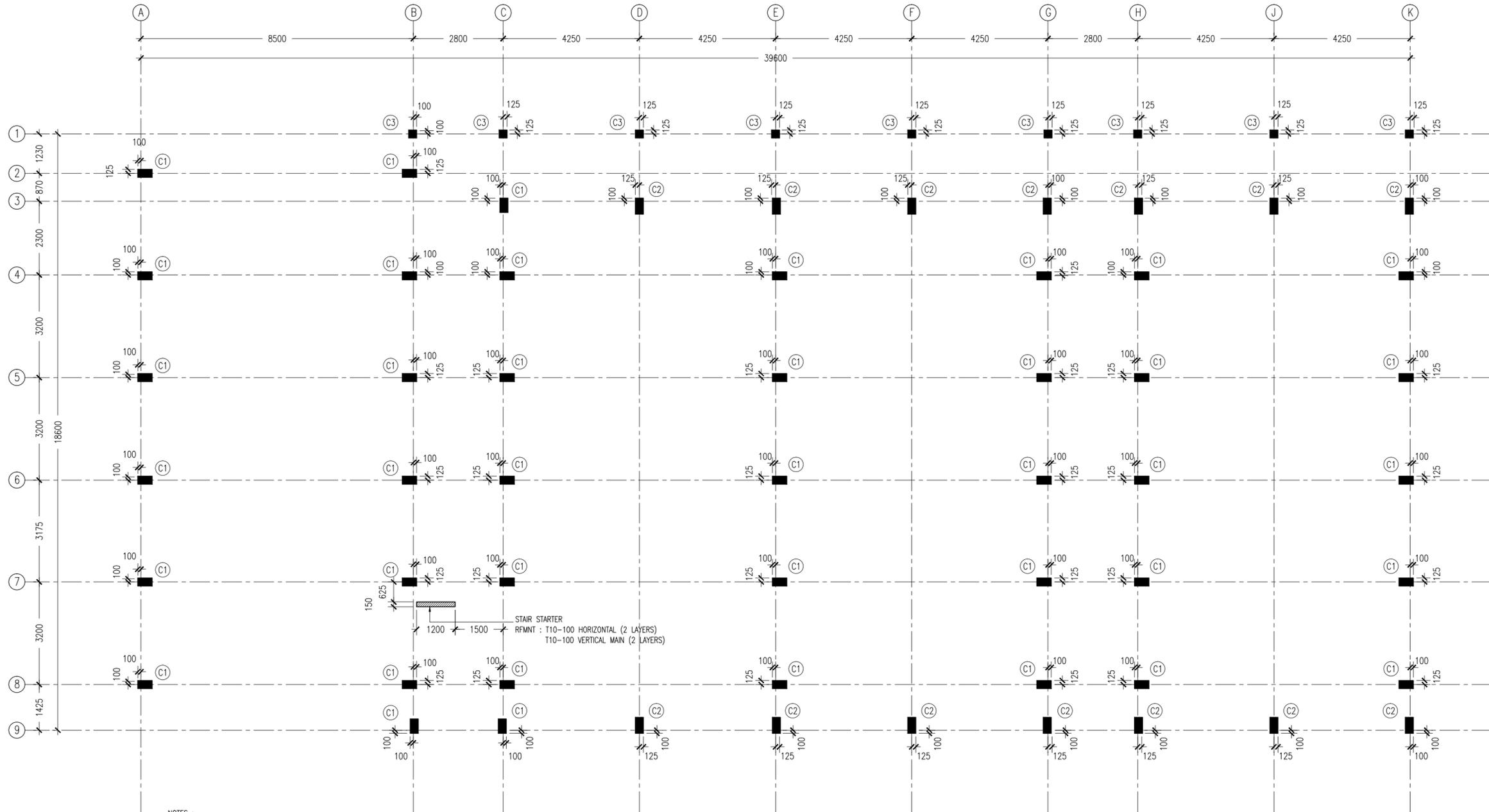
ArchEng
studio
1st Floor, Male - Republic of Maldives
saha@archeng.dz

REVISION:

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SERVICES ENG:
ESTIMATOR:
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A-12
DWG NO
PROJECT NO.: 14-124



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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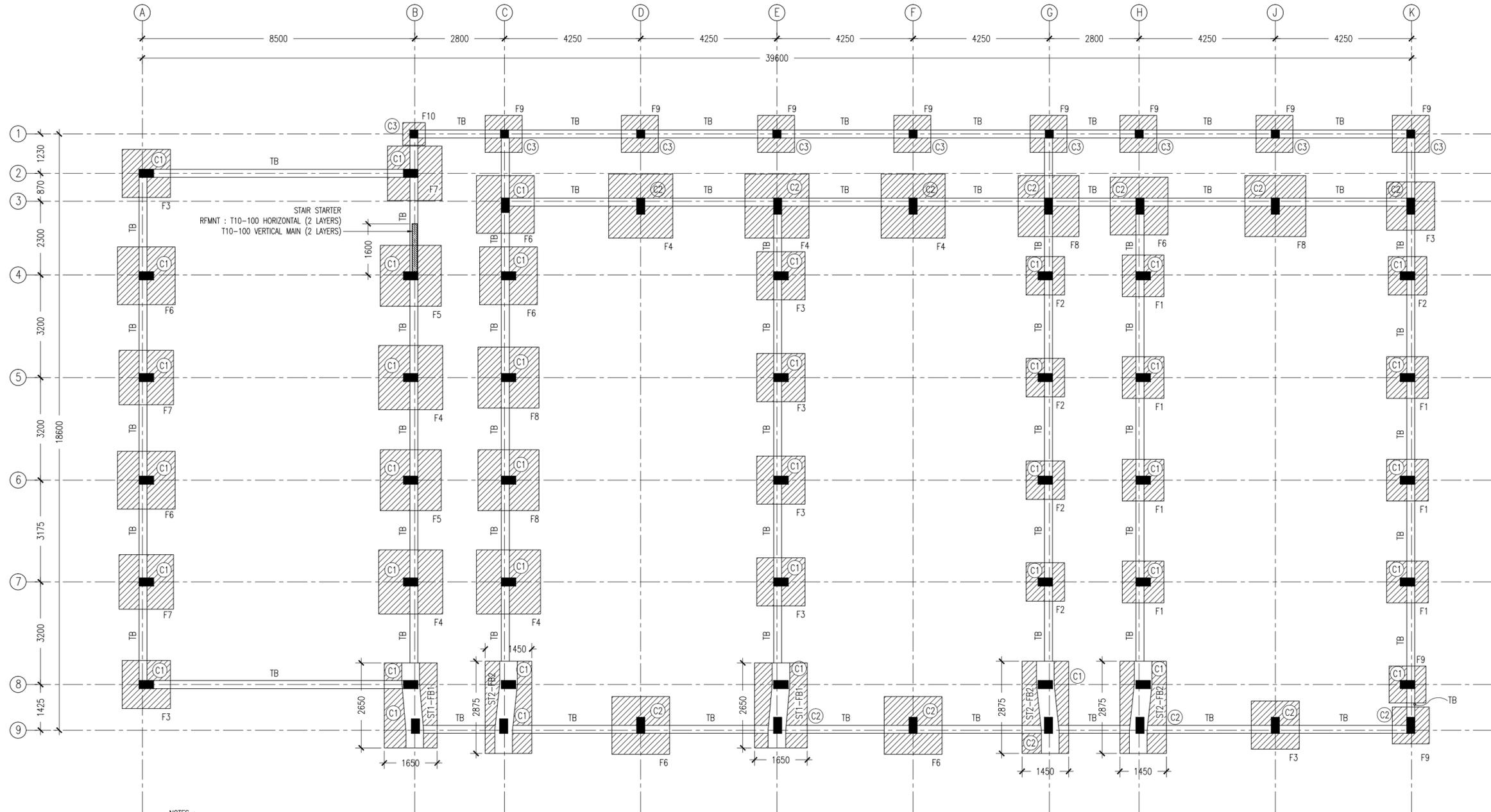
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S-01
DWG NO
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- NOTES :
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 - COVER TO BEAMS : 50MM
 - COVER TO COLUMNS : 40MM
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 - ADD CONMIX MEGA 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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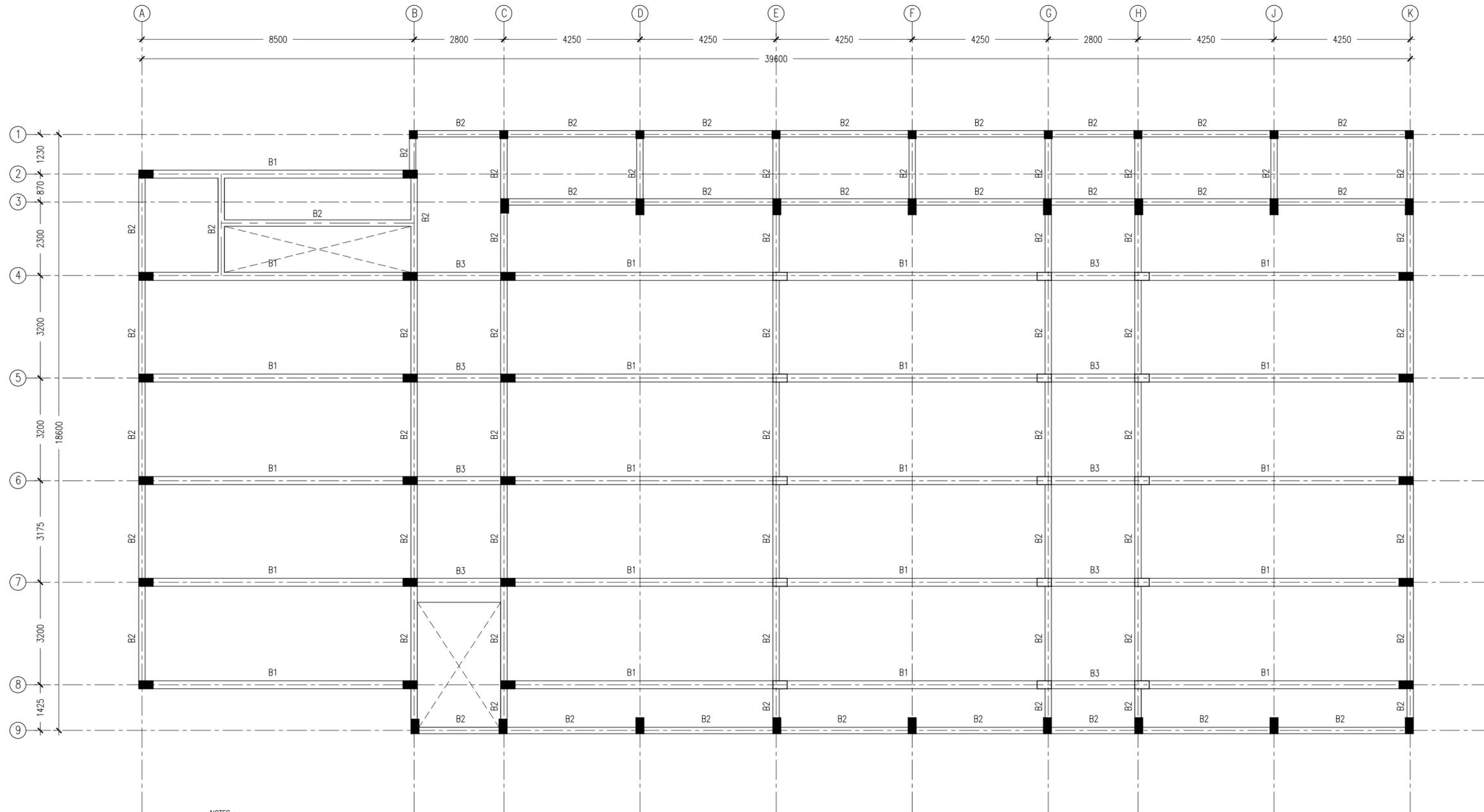


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S-02
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- NOTES :
- SLAB THICKNESS : 150MM
ACCEPT WHERE STATED
 - SLAB BOTTOM COVER: 30MM
 - SLAB TOP COVER: 25MM
 - COVER TO BEAMS : 35MM
 - COVER TO COLUMNS : 40MM
 - CONCRETE MIX : 1:2:3
UNLESS STATED
 - ADD CONMIX MEGA FLOW MP TO ALL EXTERNAL PLASTER &
FOR WET AREA PLASTER
 - ADD CONMIX MEGA FLOW P TO
TO ALL SUPER STRUCTURE CONCRETE.

1ST FLOOR BEAM PLAN
SCALE 1:100

CONTRACTORS MUST
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ANY WORK OR SHOP
DRAWINGS FIGURED
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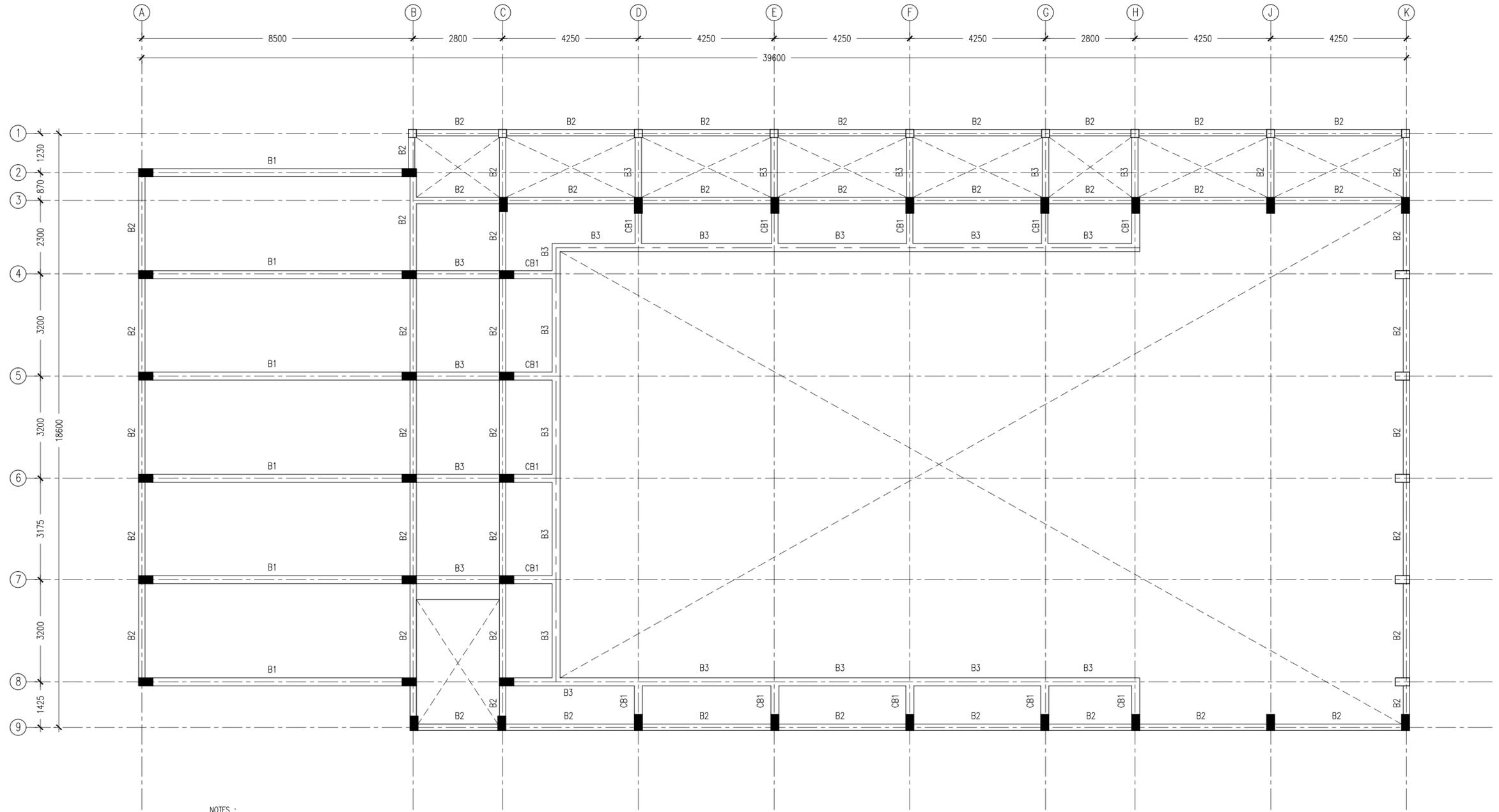
REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: PROPOSED OR CLASSROOM, 2 LABORATORY & MULTI PURPOSE HALL BLOCK
	ENGINEER: MOHAMED AHSAN	LOCATION: F.NILANDHOO
	SERVICES ENG:	DRAWING TITLE: AS GIVEN
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION
	DRAWN BY: ASFAN AHMED	SCALE: AS GIVEN DIMENSION: MM DATE: AUGUST 2015

S-03

DWG NO

PROJECT NO: 14-124

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- NOTES :
- SLAB THICKNESS : 150MM
ACCEPT 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.

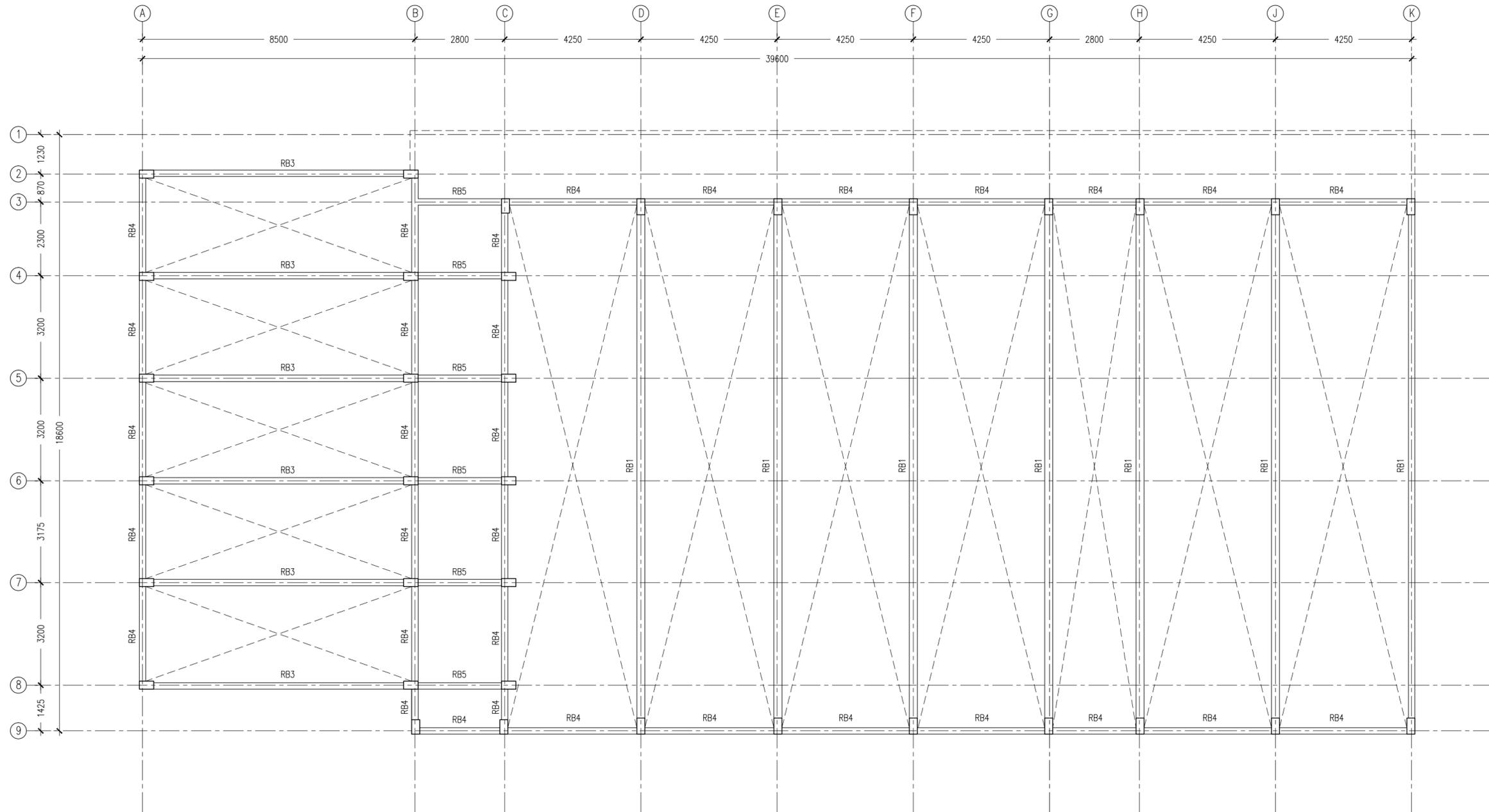
2ND FLOOR BEAM PLAN
SCALE 1:100

CONTRACTORS MUST
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	S-04 DWG NO PROJECT NO: 14-124
	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:

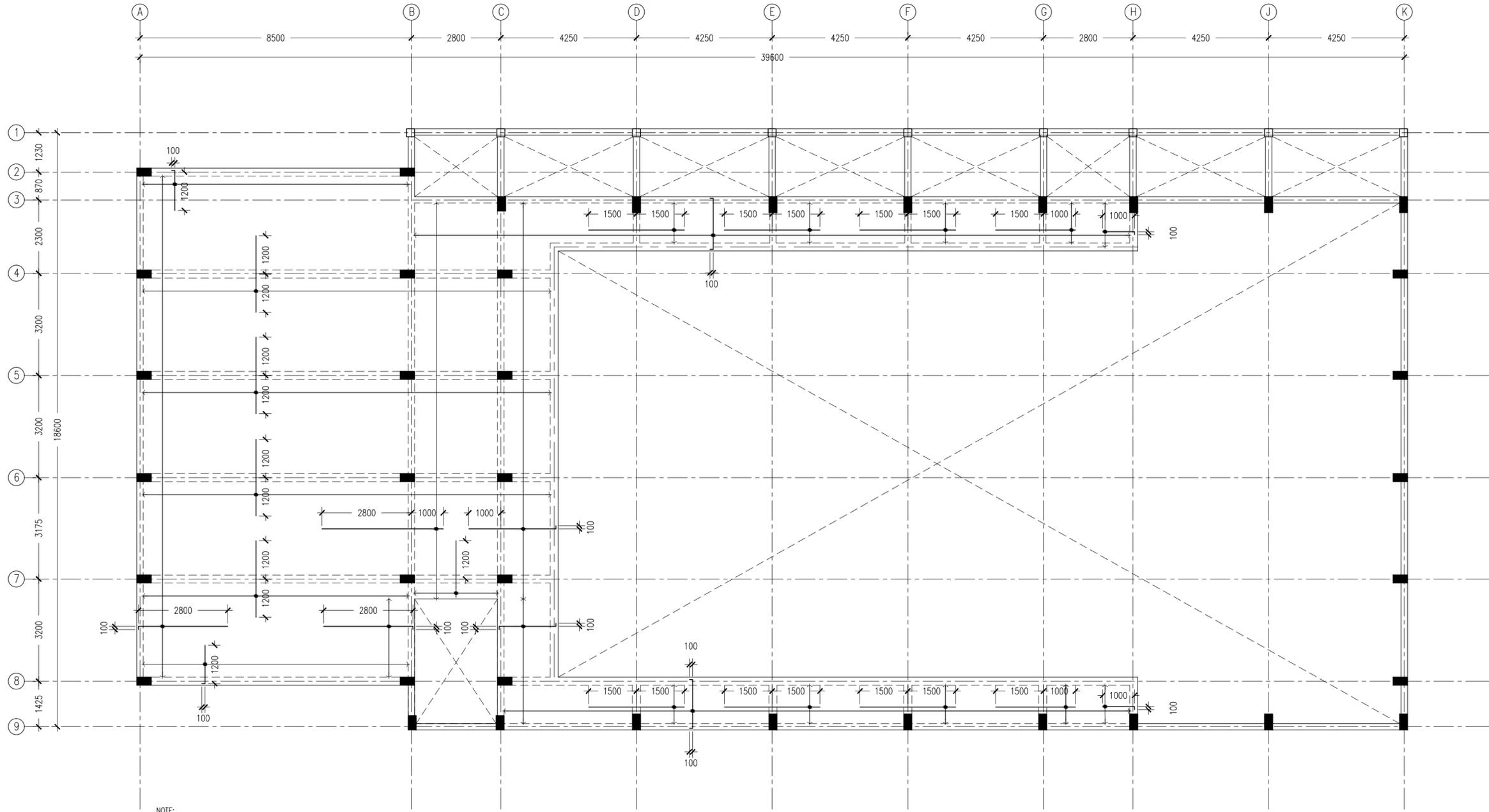
ARCHITECT: MOHAMED HAMEEN
ENGINEER: MOHAMED AHSAN
SERVICES ENG:
ESTIMATOR:
DRAWN BY: ASFAN AHMED

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-05

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



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

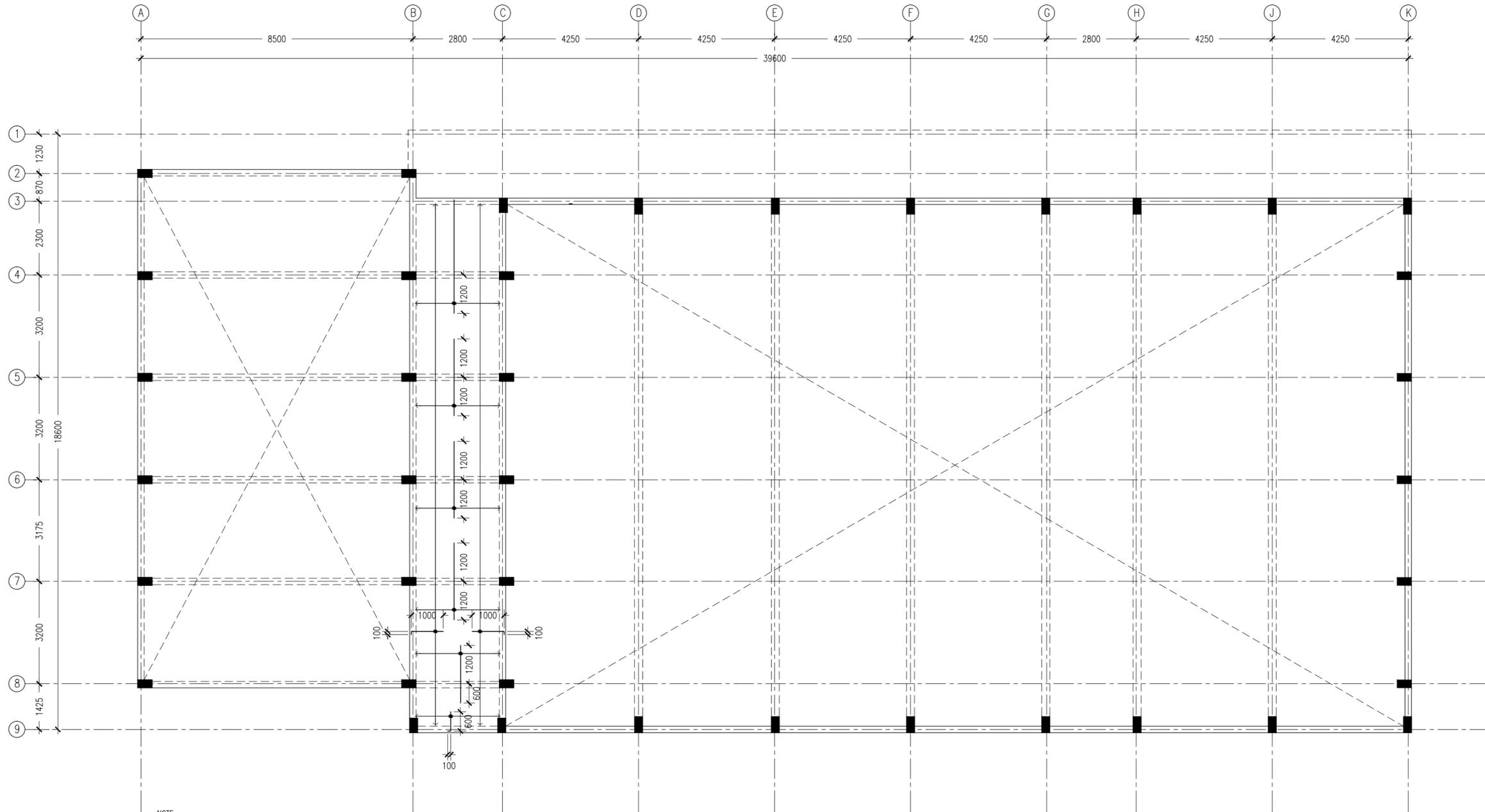
**2ND FLOOR SLAB
REINFORCEMENT PLAN**
SCALE 1:100

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

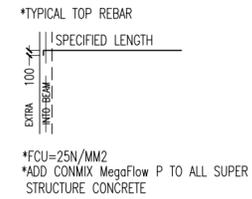


REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: PROPOSED 08 CLASSROOM, 2 LABORATORY & MULTI PURPOSE HALL BLOCK
	ENGINEER: MOHAMED AHSAN	LOCATION: F.NILANDHOO
	SERVICES ENG:	DRAWING TITLE: AS GIVEN
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION
	DRAWN BY: ASFAN AHMED	SCALE: AS GIVEN DIMENSION: MM DATE: AUGUST 2015
		DWG NO: S-07
		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



ROOF SLAB REINFORCEMENT PLAN
 SCALE 1:100

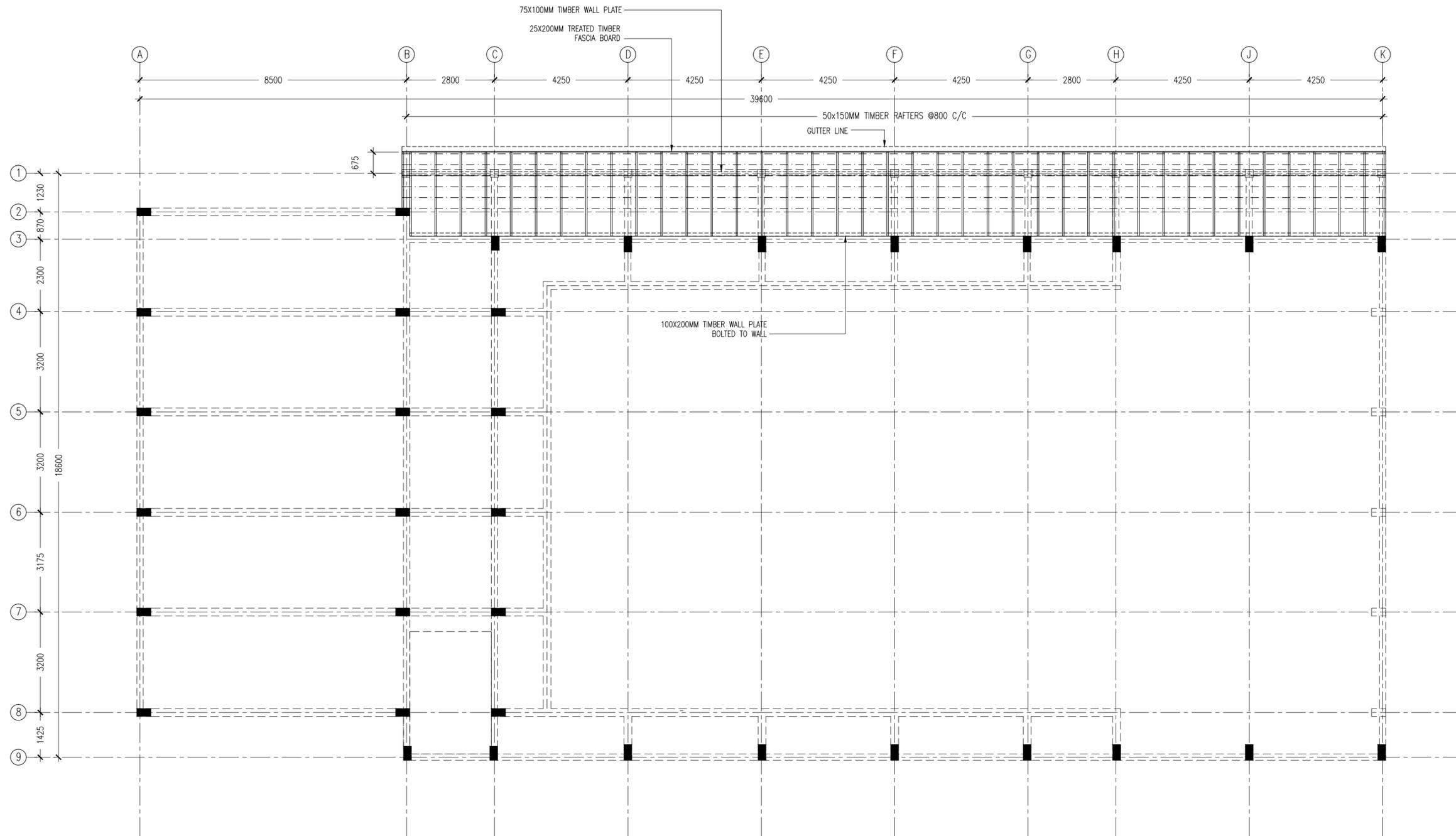
CONTRACTORS MUST CHECK ALL DIMENSIONS ON SITE BEFORE STARTING ANY WORK OR SHOP DRAWINGS FIGURED DIMENSIONS TO TAKE PRECEDENCE OVER SCALE READINGS



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

S-08
 DWG NO
 PROJECT NO.: 14-124

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ROOF STRUCTURAL PLAN (@2ND FLOOR LEVEL) LEVEL -1
 SCALE 1:100

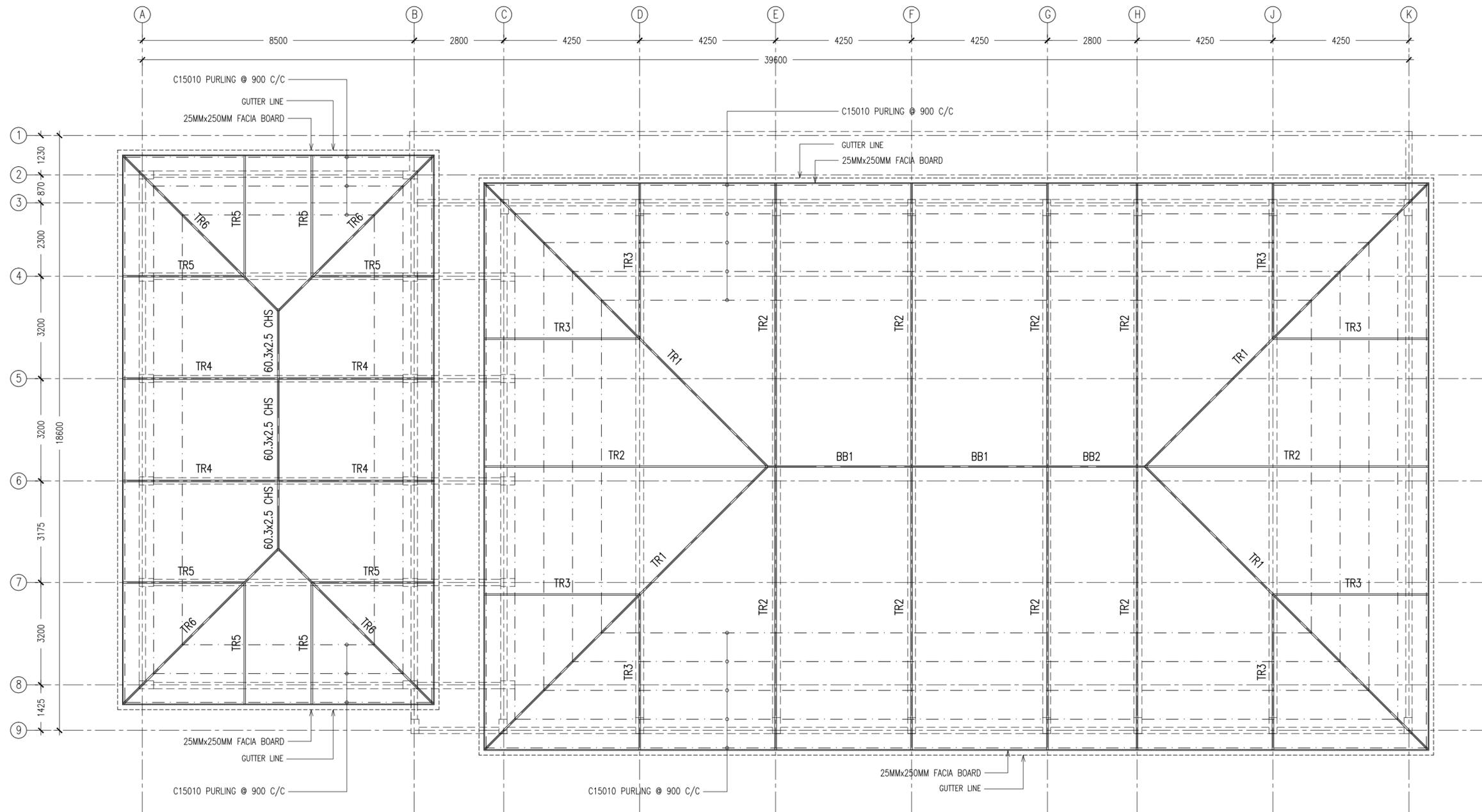
CONTRACTORS MUST CHECK ALL DIMENSIONS ON SITE BEFORE STARTING ANY WORK OR SHOP DRAWINGS. FIGURED DIMENSIONS TO TAKE PRECEDENCE OVER SCALE READINGS



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

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

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ROOF STRUCTURAL PLAN LEVEL -2
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

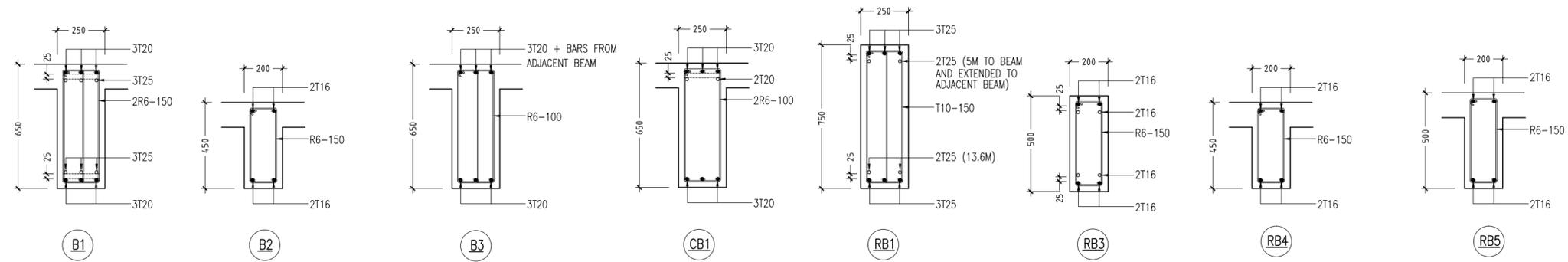


REVISION:

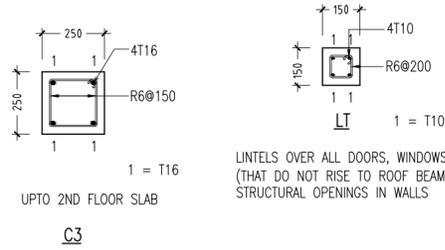
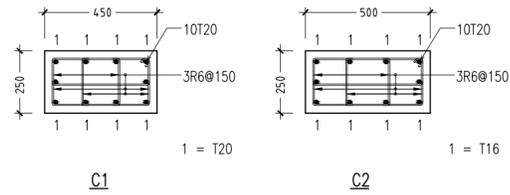
ARCHITECT: MOHAMED HAMEEN
ENGINEER: MOHAMED AHSAN
SERVICES ENG:
ESTIMATOR:
DRAWN BY: ASFAN AHMED

PROJECT: PROPOSED 08 CLASSROOM, 2 LABORATORY & MULTI PURPOSE HALL BLOCK
LOCATION: F.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

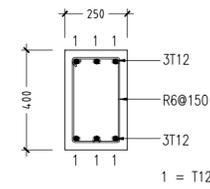
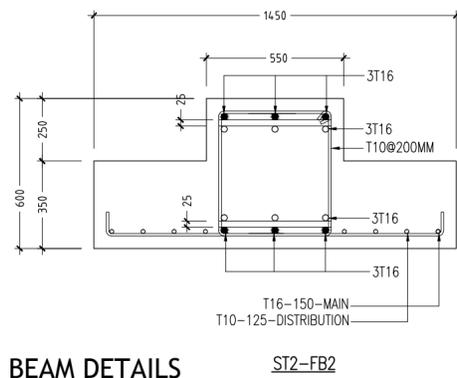
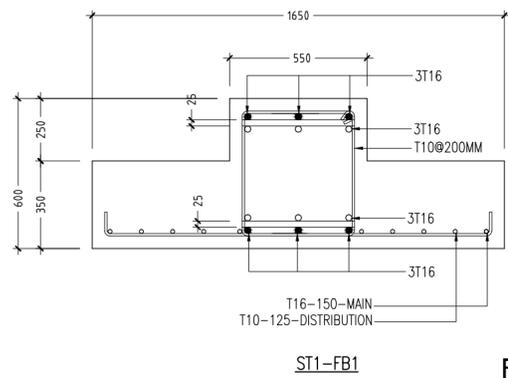


BEAM DETAILS
SCALE 1:20



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

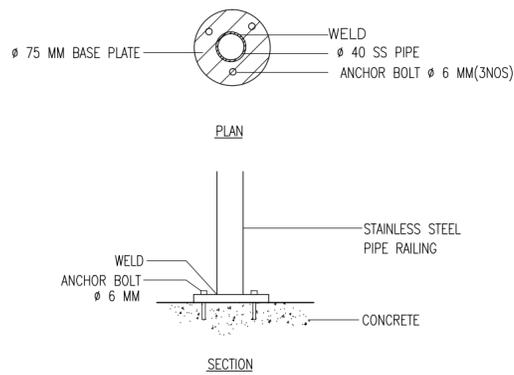
COLUMN DETAILS
SCALE 1:20



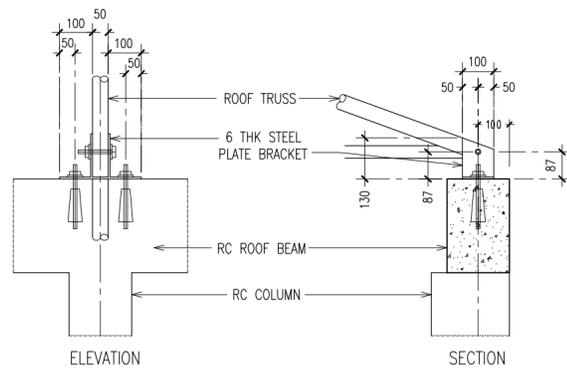
FOUNDATION BEAM DETAILS
SCALE 1:20

FOOTING DETAILS

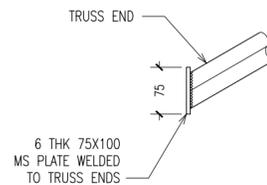
FOOTING	LENGTH/mm	WIDTH/mm	DEPTH/mm	REINFORCEMENT
F1	1300	1300	350	T12@150mm C/C BW BOTTOM
F2	1200	1200	350	T12@150mm C/C BW BOTTOM
F3	1500	1500	350	T12@150mm C/C BW BOTTOM
F4	2000	2000	350	T16@150mm C/C BW BOTTOM
F5	2100	2100	350	T16@150mm C/C BW BOTTOM
F6	1800	1800	350	T12@150mm C/C BW BOTTOM
F7	1700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



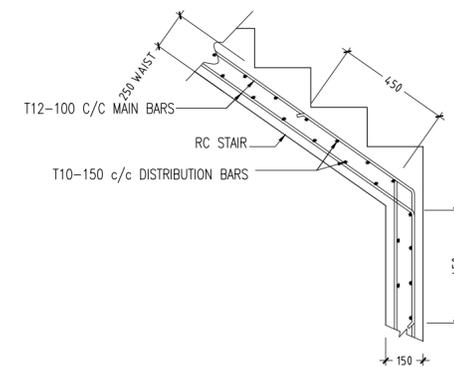
DETAIL D (STAIR RAILING)
SCALE 1:20



TYPICAL TRUSS FIXING DETAILS
SCALE : NTS



TYPICAL TRUSS END DETAILS
SCALE : NTS

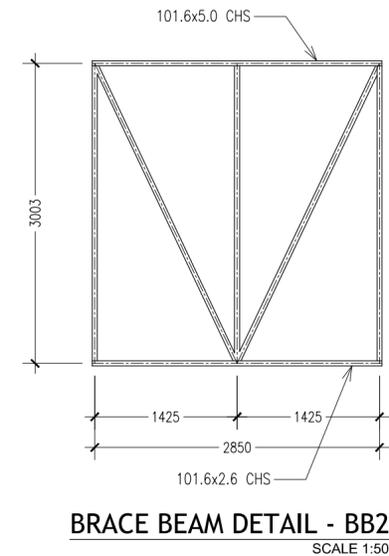
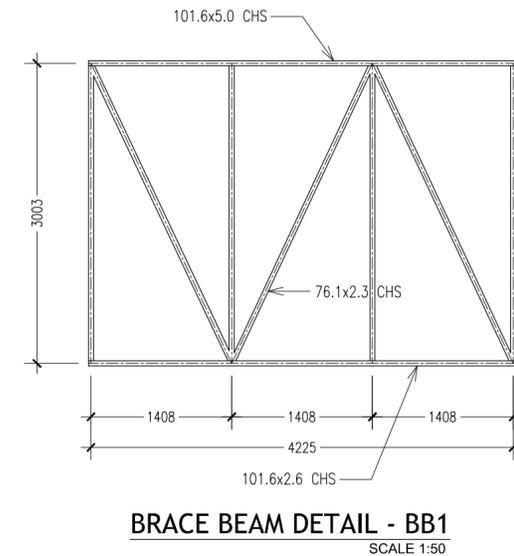
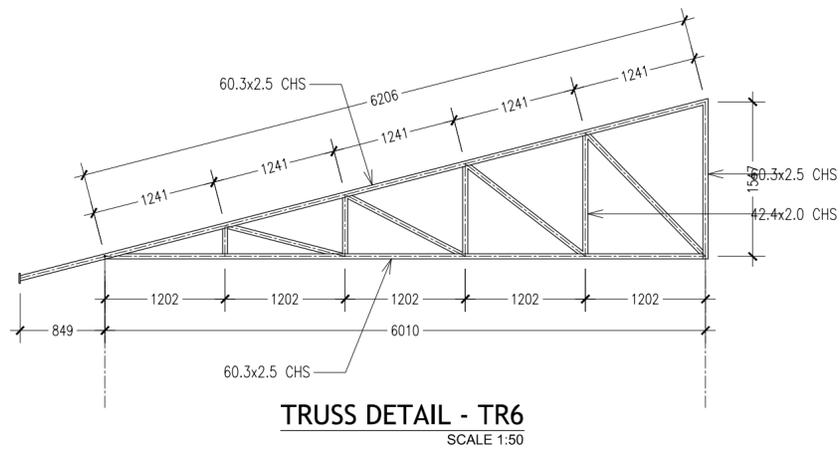
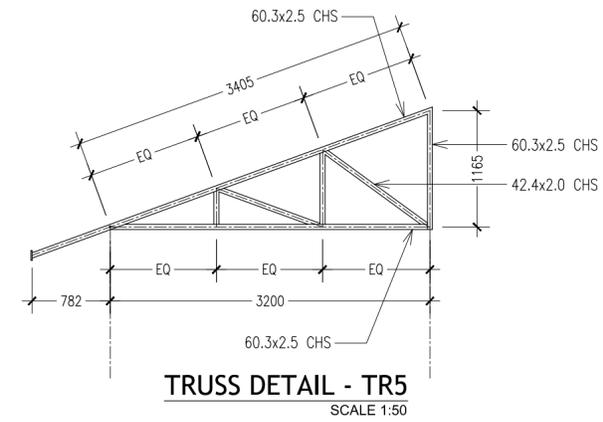
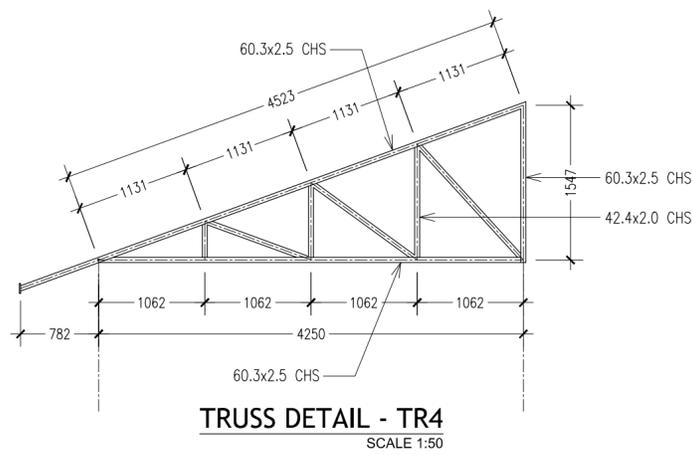
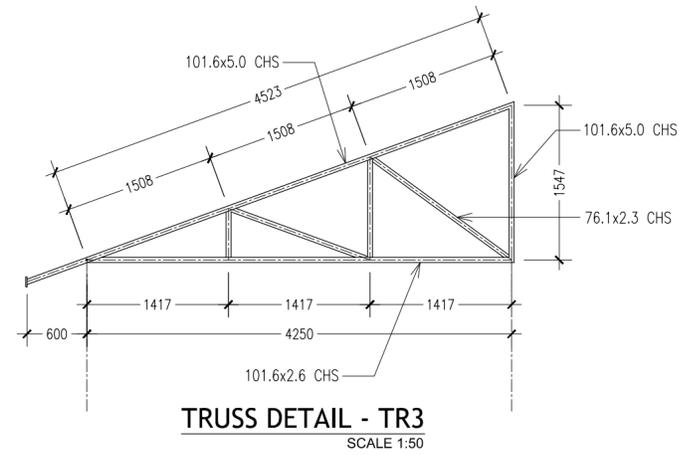
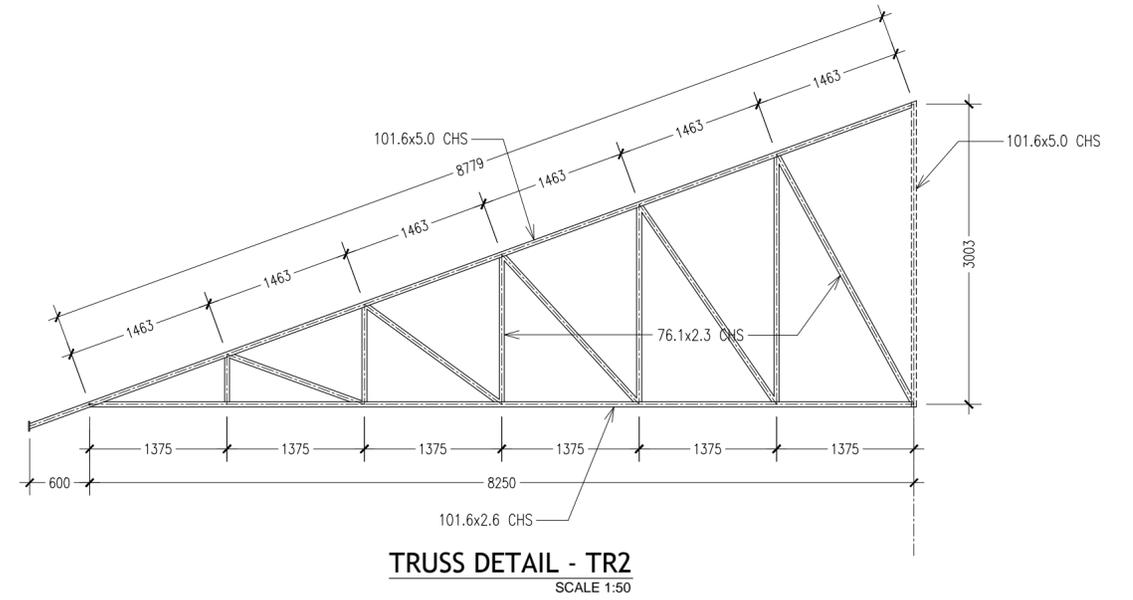
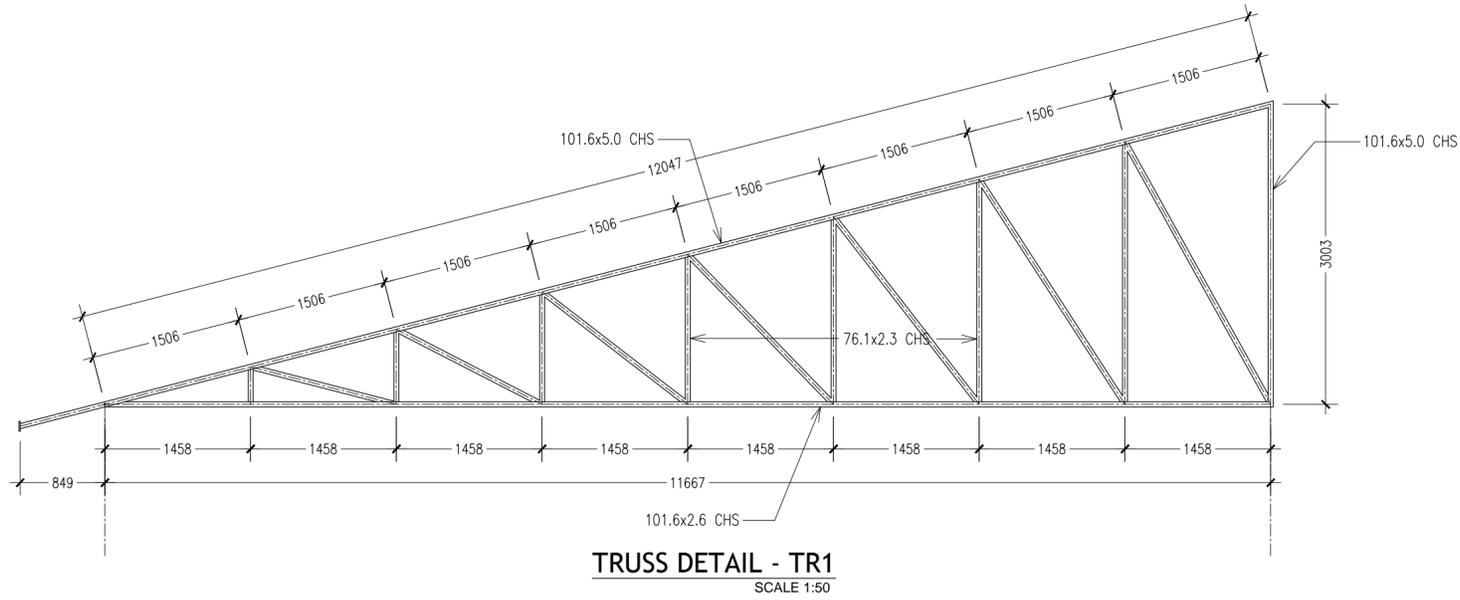


TYPICAL STAIR RFMT DETAIL
SCALE 1:20

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

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



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: FANLANDHOOD
 DRAWING TITLE: AS GIVEN
 CLIENT: MINISTRY OF EDUCATION
 SCALE: AS GIVEN DIMENSION: MM DATE: AUGUST 2015

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

(3 STOREY)

ENHANCING EDUCATION DEVELOPMENT PROJECT (EEDP)

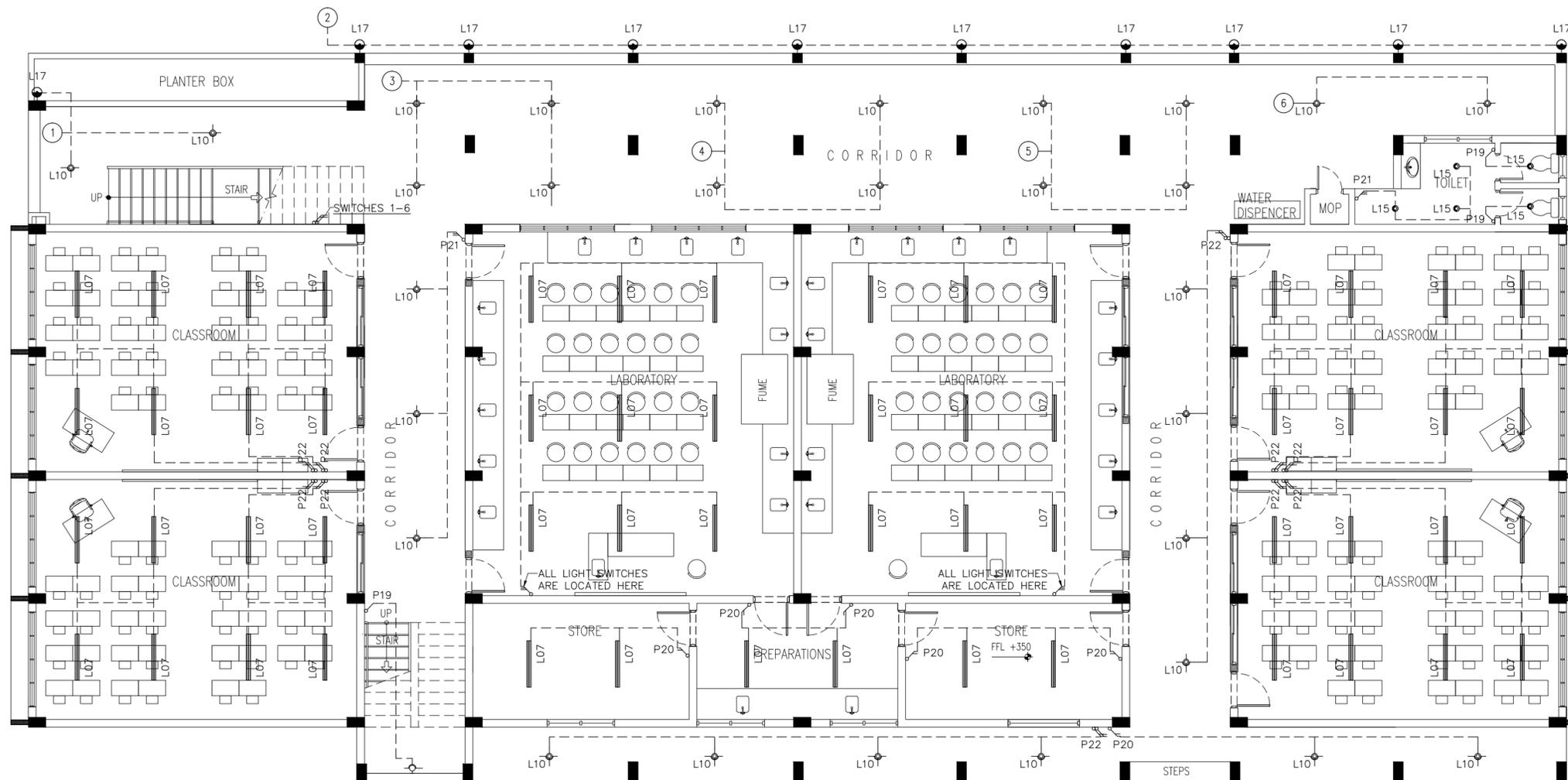
SERVICES DRAWINGS

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

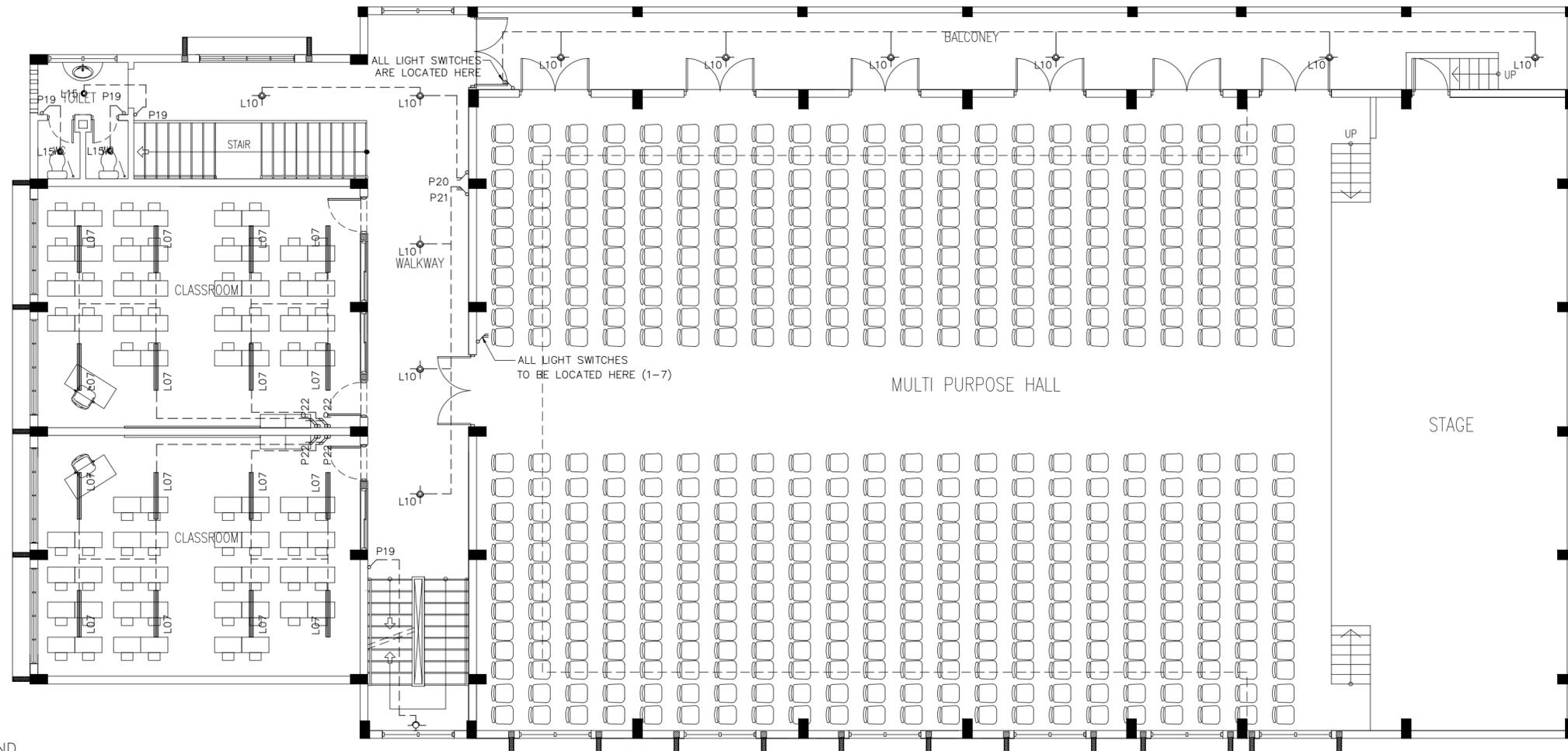
CONTRACTORS MUST CHECK ALL DIMENSIONS ON SITE BEFORE STARTING ANY WORK OR SHOP DRAWINGS. FIGURED DIMENSIONS TO TAKE PRECEDENCE OVER SCALE READINGS



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

E-01
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

1ST FLOOR LIGHTING PLAN
SCALE 1:100

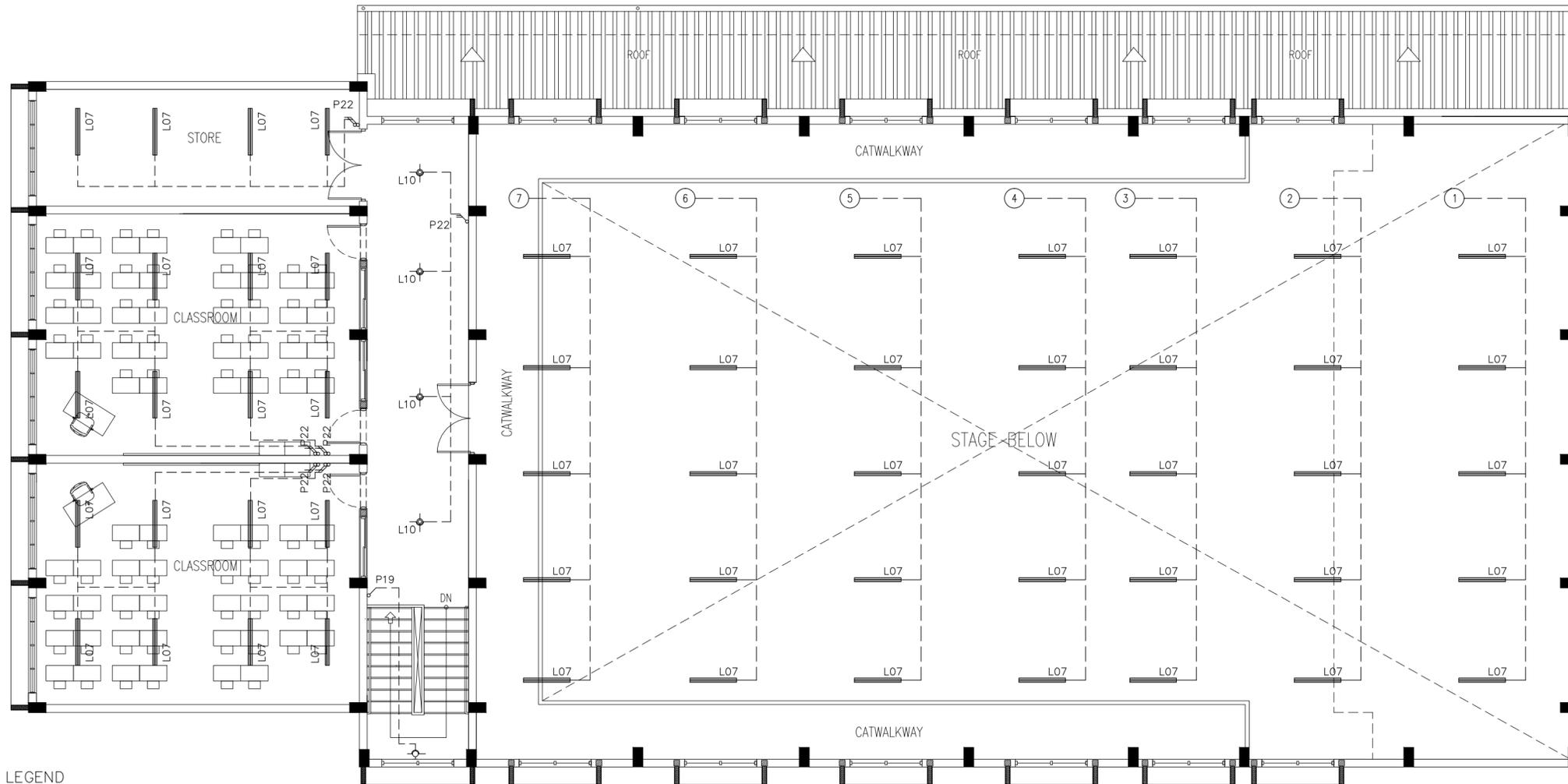
CONTRACTORS MUST CHECK ALL DIMENSIONS ON SITE BEFORE STARTING ANY WORK OR SHOP DRAWINGS. FIGURED DIMENSIONS TO TAKE PRECEDENCE OVER SCALE READINGS



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

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

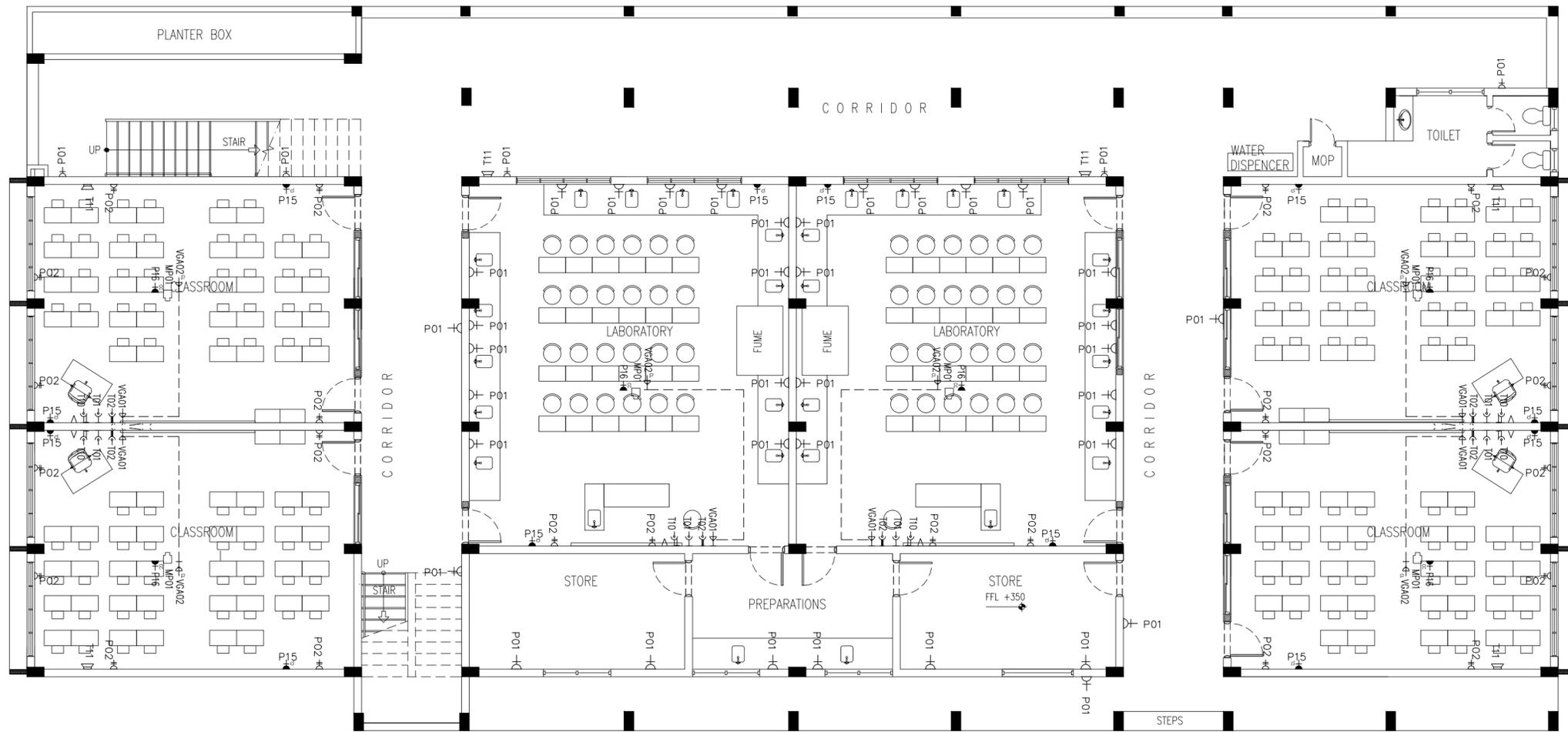
CONTRACTORS MUST CHECK ALL DIMENSIONS ON SITE BEFORE STARTING ANY WORK OR SHOP DRAWINGS. FIGURED DIMENSIONS TO TAKE PRECEDENCE OVER SCALE READINGS



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

E-03
DWG NO

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LEGEND

SYMBOL	CODE	DESCRIPTION
D+	P01	1 GANG13A SOCKET OUTLET AT 300mm ABOVE FINISHED FLOOR LEVEL
D#	P02	2 GANG13A SOCKET OUTLET AT 300mm ABOVE FINISHED FLOOR LEVEL
D _a	P15	1 GANG15A SOCKET OUTLET AT CEILING LEVEL
D _{cc}	P16	1 GANG13A SOCKET OUTLET AT CEILING LEVEL
I-4	VGA01	VGA CABLE
I-4 _a	VGA02	VGA CABLE AT CEILING LEVEL

LEGEND

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

GROUND FLOOR POWER/SOCKET PLAN
SCALE 1:100

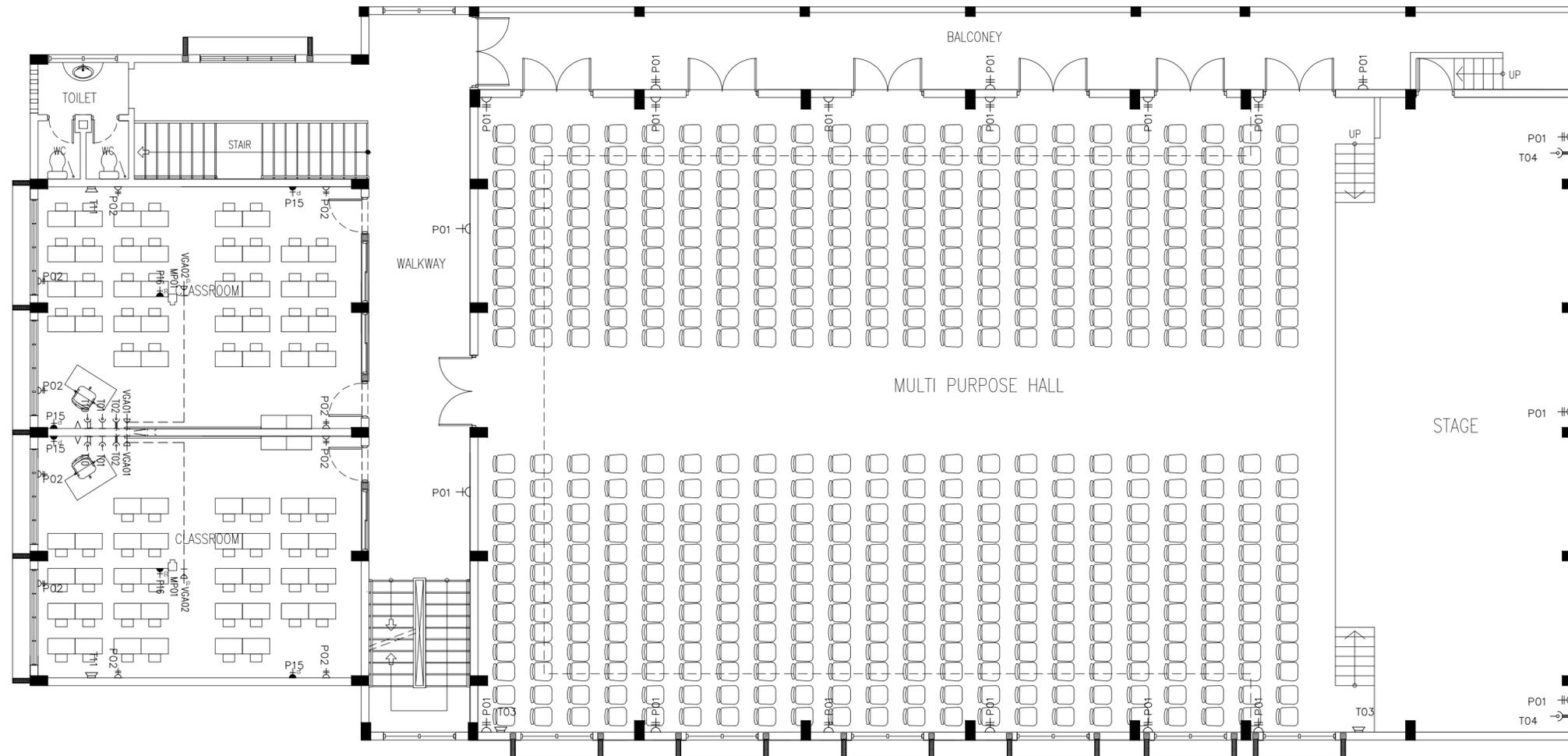
CONTRACTORS MUST CHECK ALL DIMENSIONS ON SITE BEFORE STARTING ANY WORK OR SHOP DRAWINGS FIGURED DIMENSIONS TO TAKE PRECEDENCE OVER SCALE READINGS



REVISION:	ARCHITECT:	PROJECT:
	MOHAMED HAMEEN	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

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

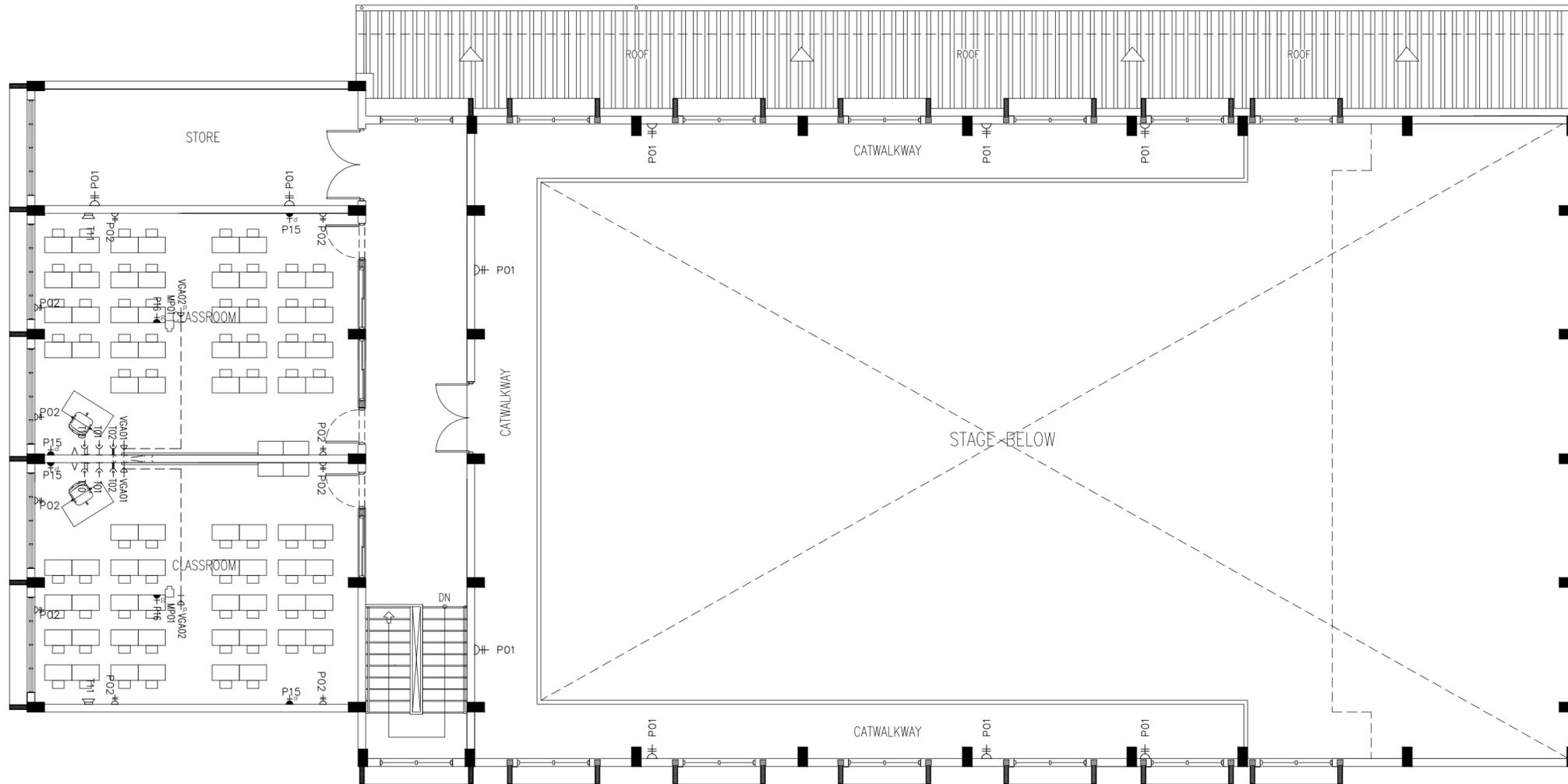
SYMBOL	CODE	DESCRIPTION
	T01	PLAIN TELEPHONE OUTLET
	T02	COMPUTER NETWORK OUTLET
	MP01	MULTIMEDIA PROJECTOR
	T10	T.V POINT
	T11	SPEAKER

1ST FLOOR POWER/SOCKET PLAN
SCALE 1:100

CONTRACTORS MUST 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 DB 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
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		DWG NO
		PROJECT NO: 14-124



LEGEND

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

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

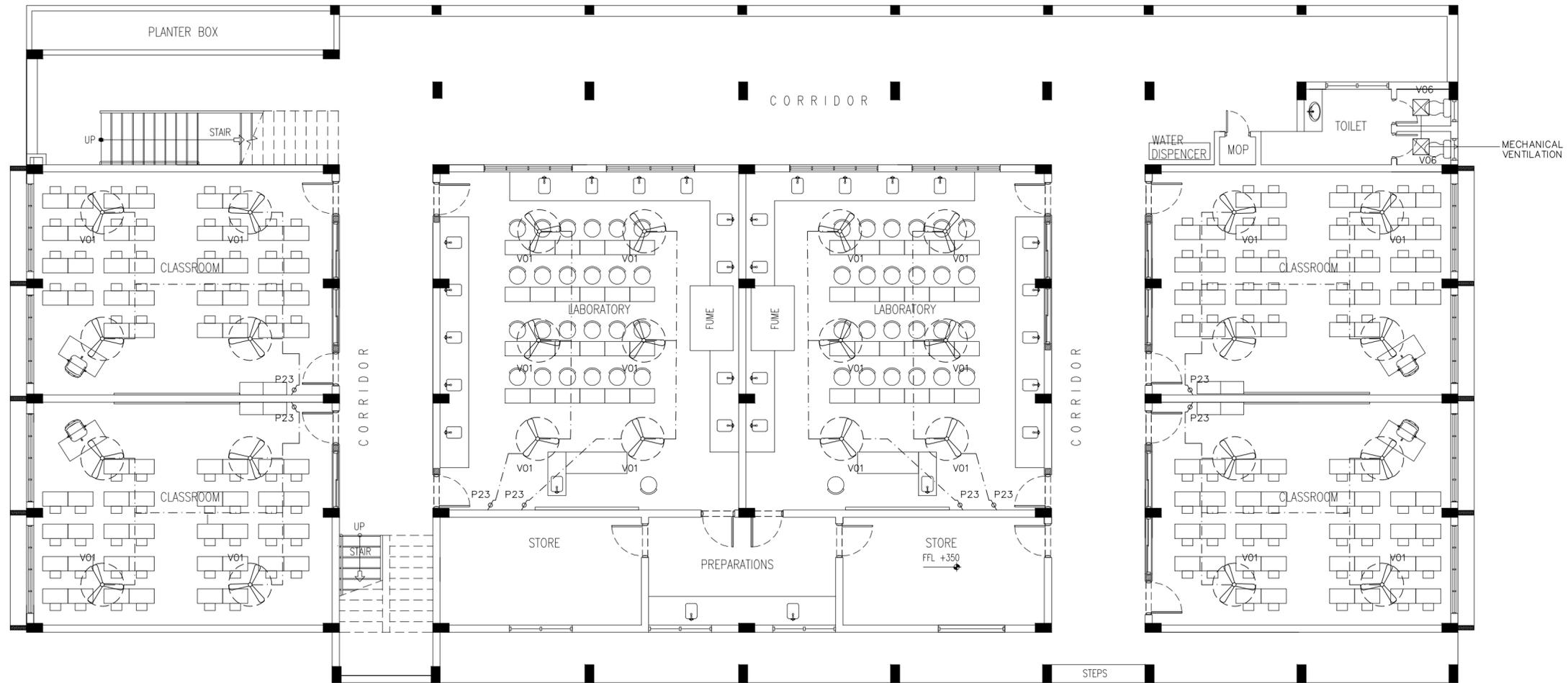


REVISION	ARCHITECT	ENGINEER	SERVICES ENG.	ESTIMATOR	DRAWN BY
	MOHAMED HAMEEN	MOHAMED AHSAN			ASFAN AHMED

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

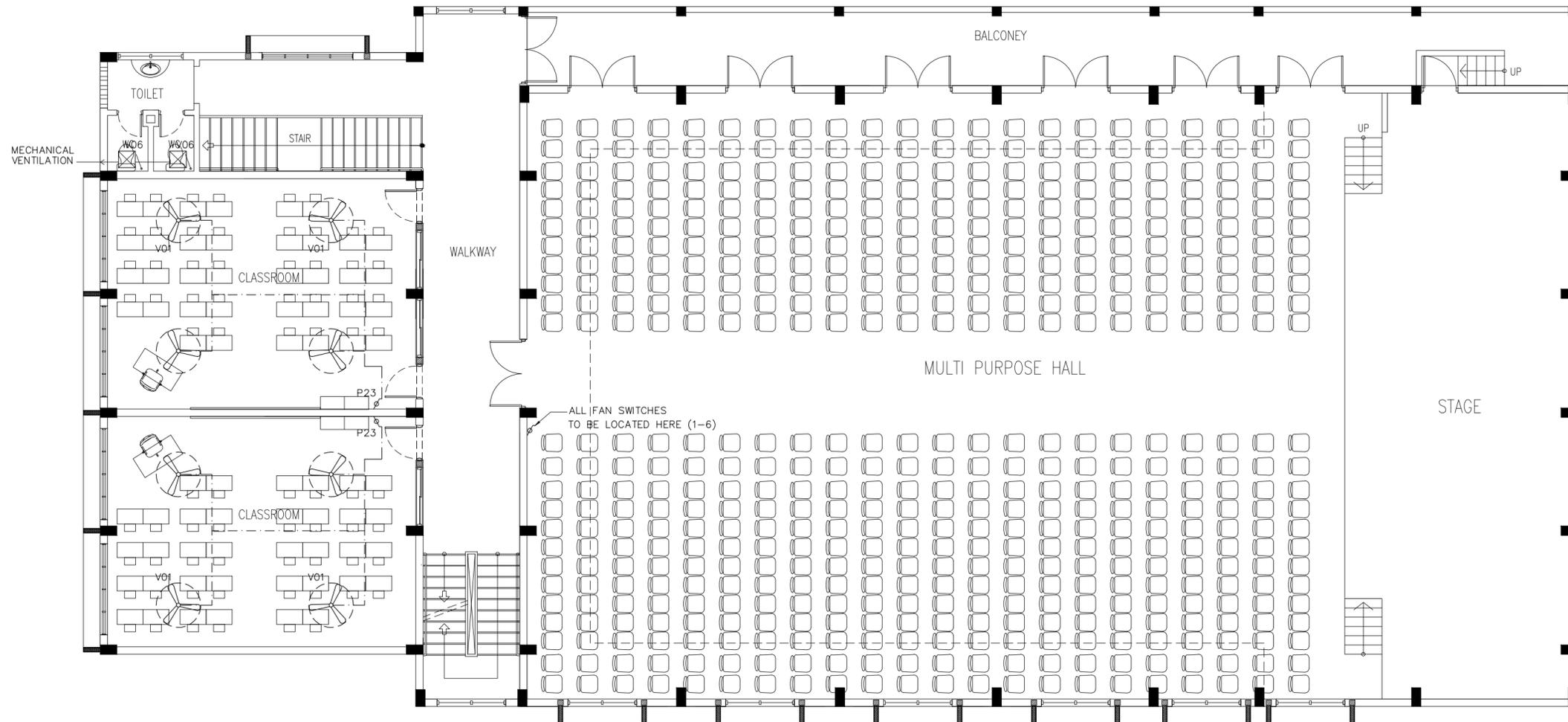
GROUND FLOOR FAN PLAN
SCALE 1:100

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



REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: PROPOSED OR CLASSROOM, 2 LABORATORY & MULTI PURPOSE HALL BLOCK	E-07
	ENGINEER: MOHAMED AHSAN	LOCATION: F.NILANDHOOD	
	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	

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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 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

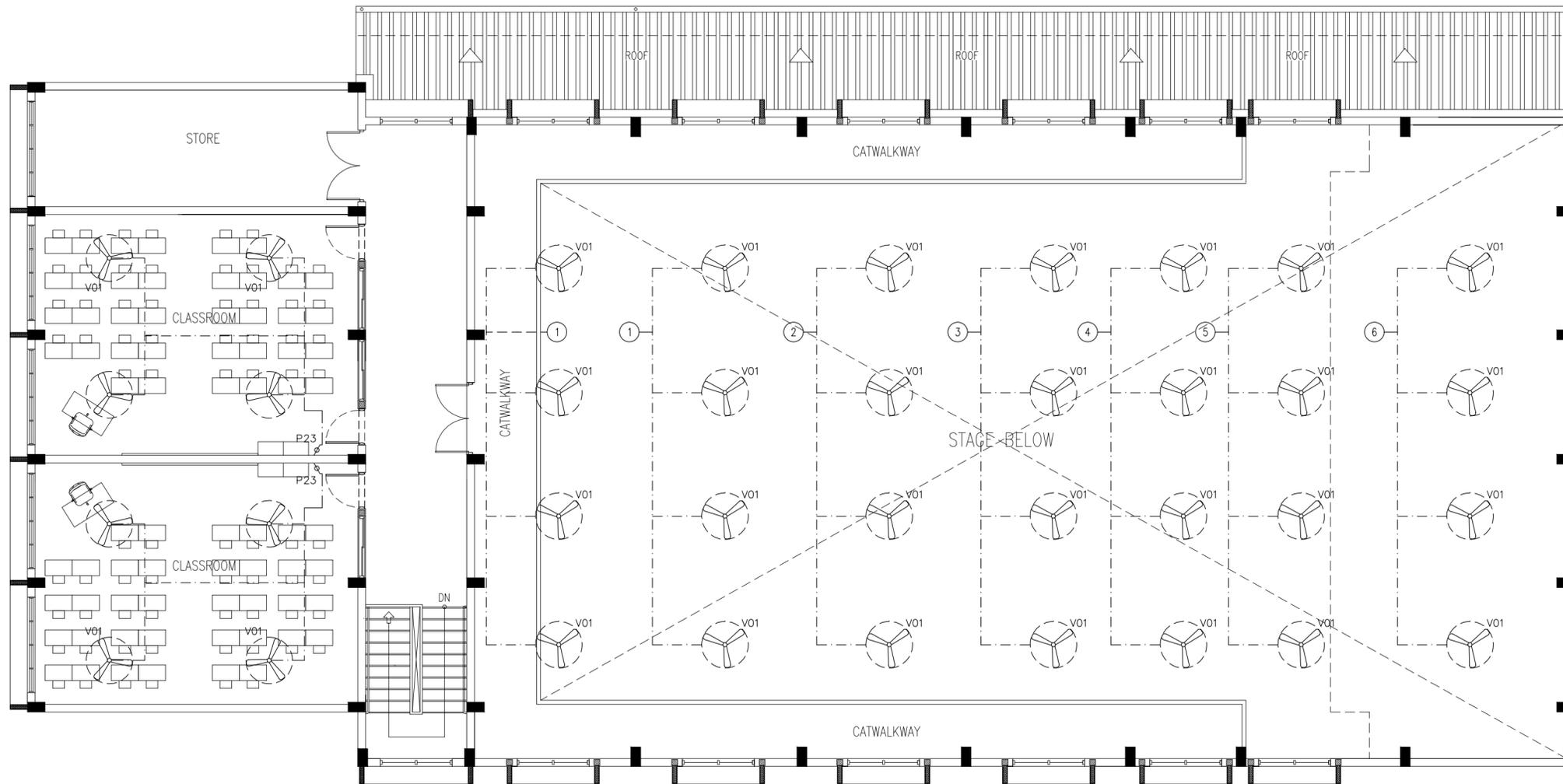
PROJECT: PROPOSED 08 CLASSROOM , 2 LABORATORY & MULTI PURPOSE HALL BLOCK
LOCATION: F.NILANDHOO
DRAWING TITLE: AS GIVEN
CLIENT: MINISTRY OF EDUCATION
SCALE: AS GIVEN DIMENSION: MM DATE: AUGUST 2015

E-08

DWG NO

PROJECT NO.: 14-124

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LEGEND

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

2ND FLOOR FAN 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

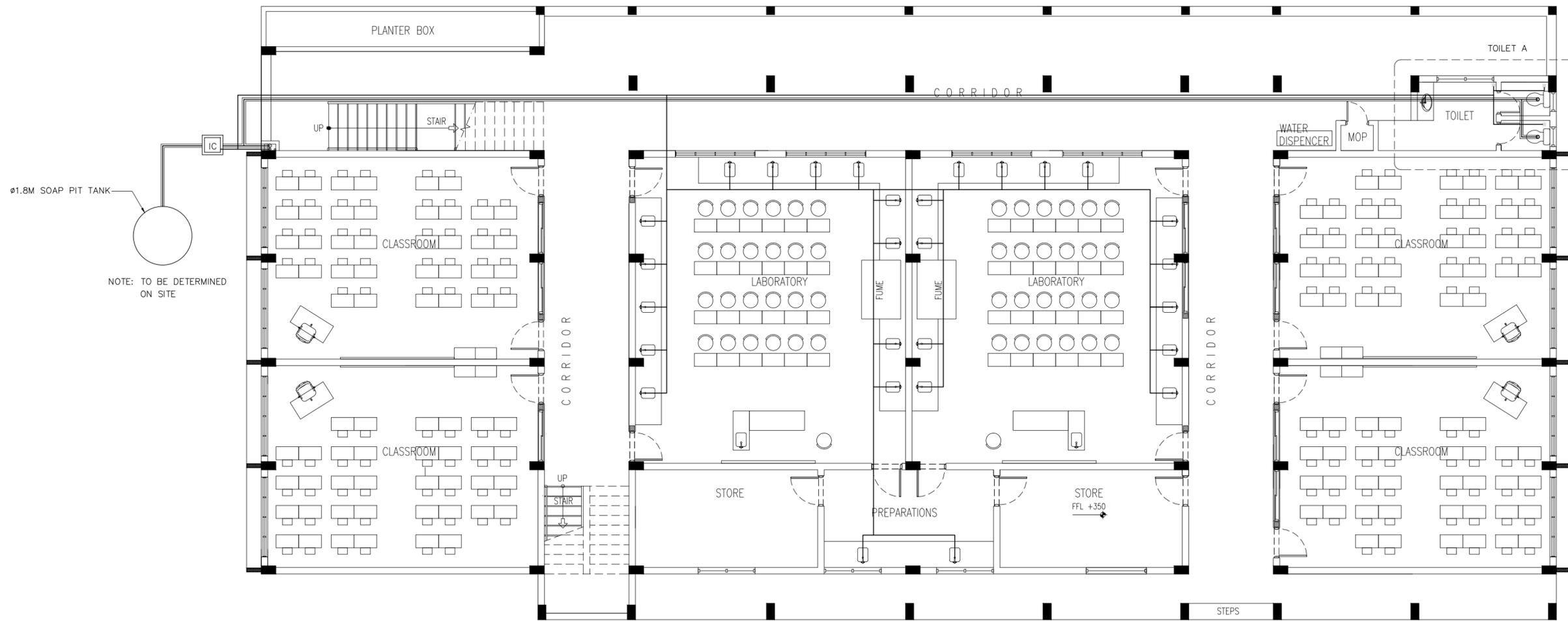


REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: PROPOSED 08 CLASSROOM, 2 LABORATORY & MULTI PURPOSE HALL BLOCK
	ENGINEER: MOHAMED AHSAN	LOCATION: F.NILANDHOO
	SERVICES ENG:	DRAWING TITLE: AS GIVEN
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION
	DRAWN BY: ASFAN AHMED	SCALE: AS GIVEN DIMENSION: MM DATE: AUGUST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

E-09

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

**MAIN SEWAGE AND WASTE DISPOSAL
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

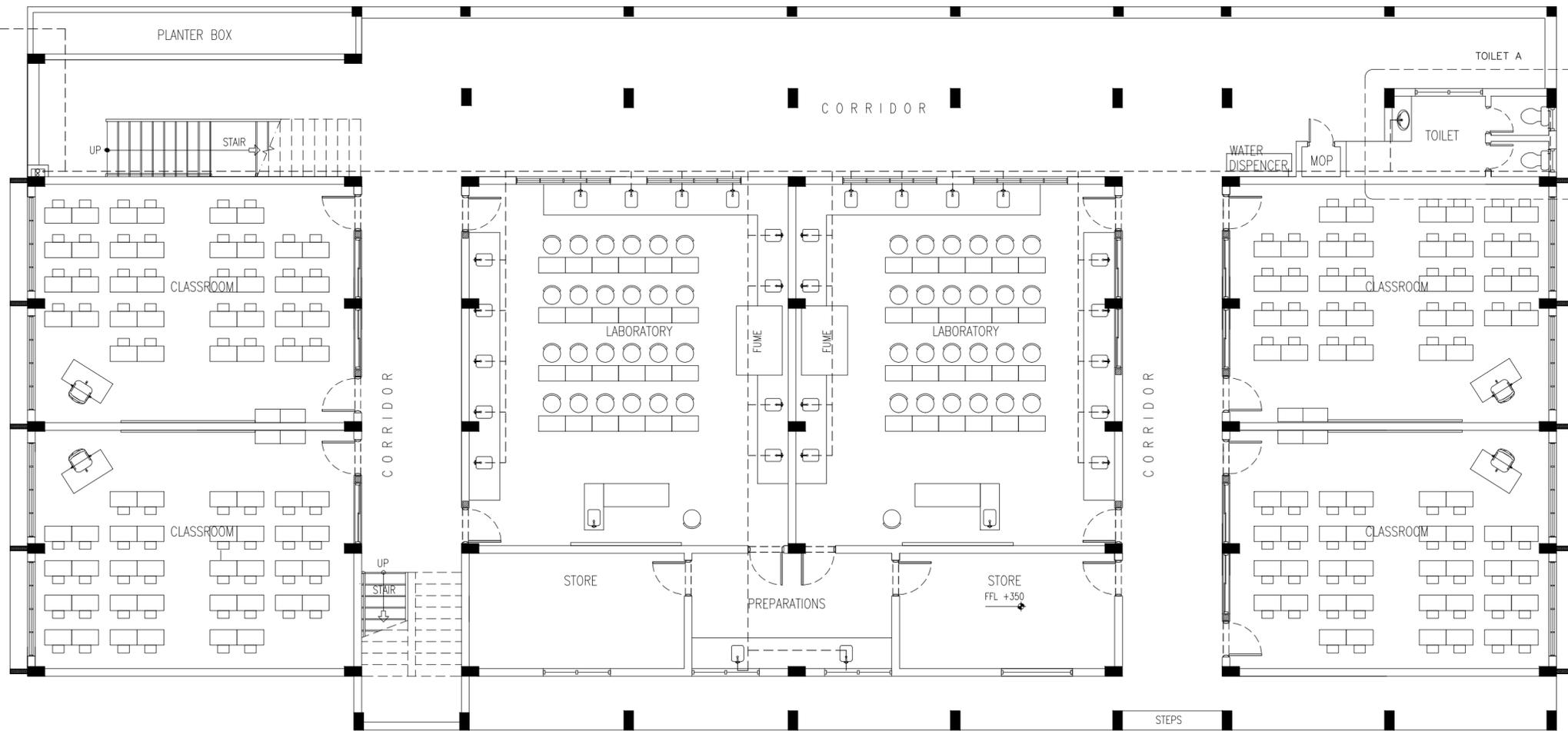
PROJECT: PROPOSED 08 CLASSROOM, 2 LABORATORY & MULTI PURPOSE HALL BLOCK
LOCATION: F.NILANDHOO
DRAWING TITLE: AS GIVEN
CLIENT: MINISTRY OF EDUCATION
SCALE: AS GIVEN DIMENSION: MM DATE: AUGUST 2015

P-01

DWG NO. PROJECT NO.: 14-124

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1200 DIA WELL
 NOTE: TO BE DETERMINED ON SITE



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

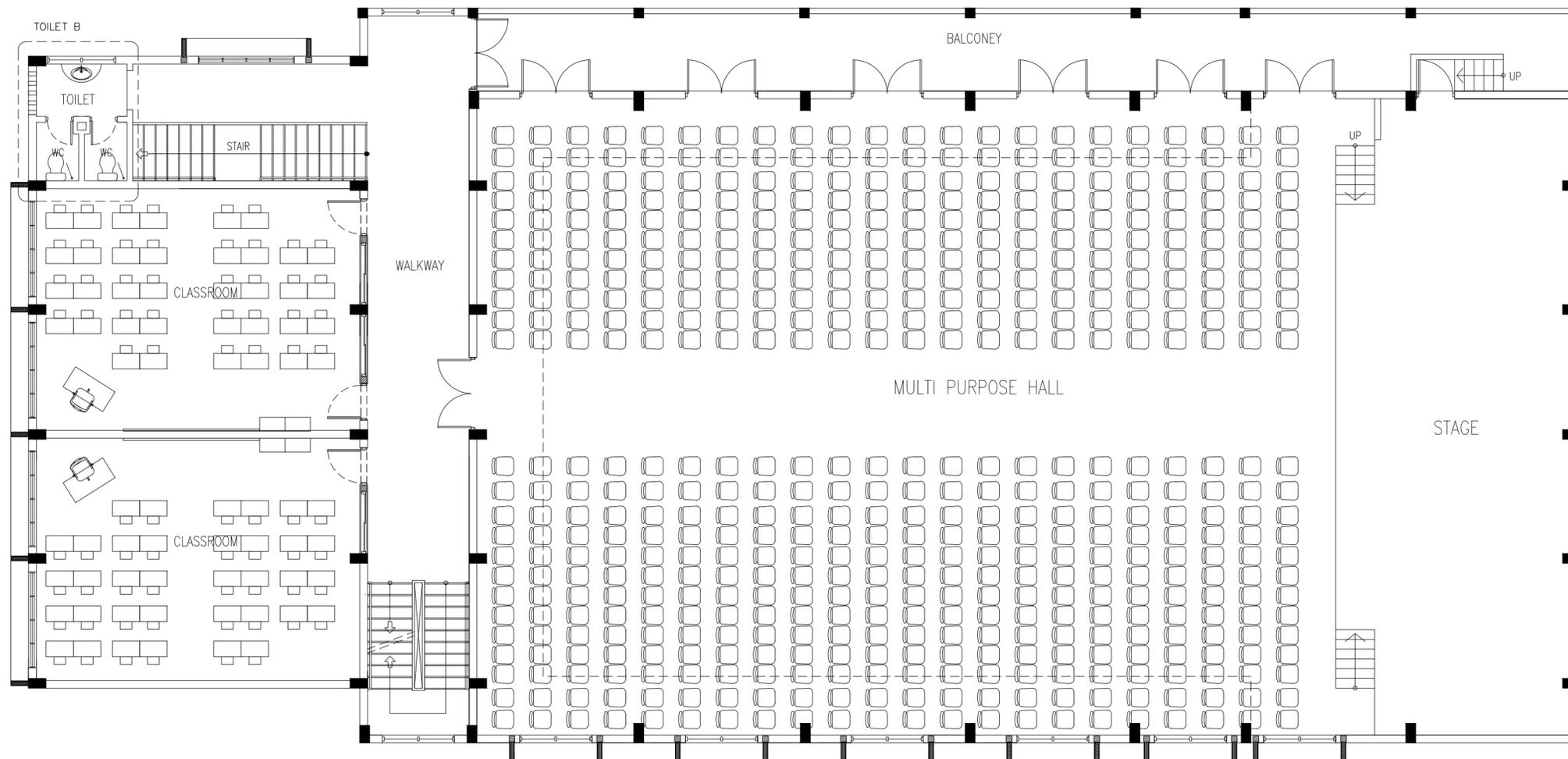
MAIN FRESH WATER SUPPLY PLAN
 SCALE 1:100

CONTRACTORS MUST 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. NILANDHOQ
	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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P-02



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

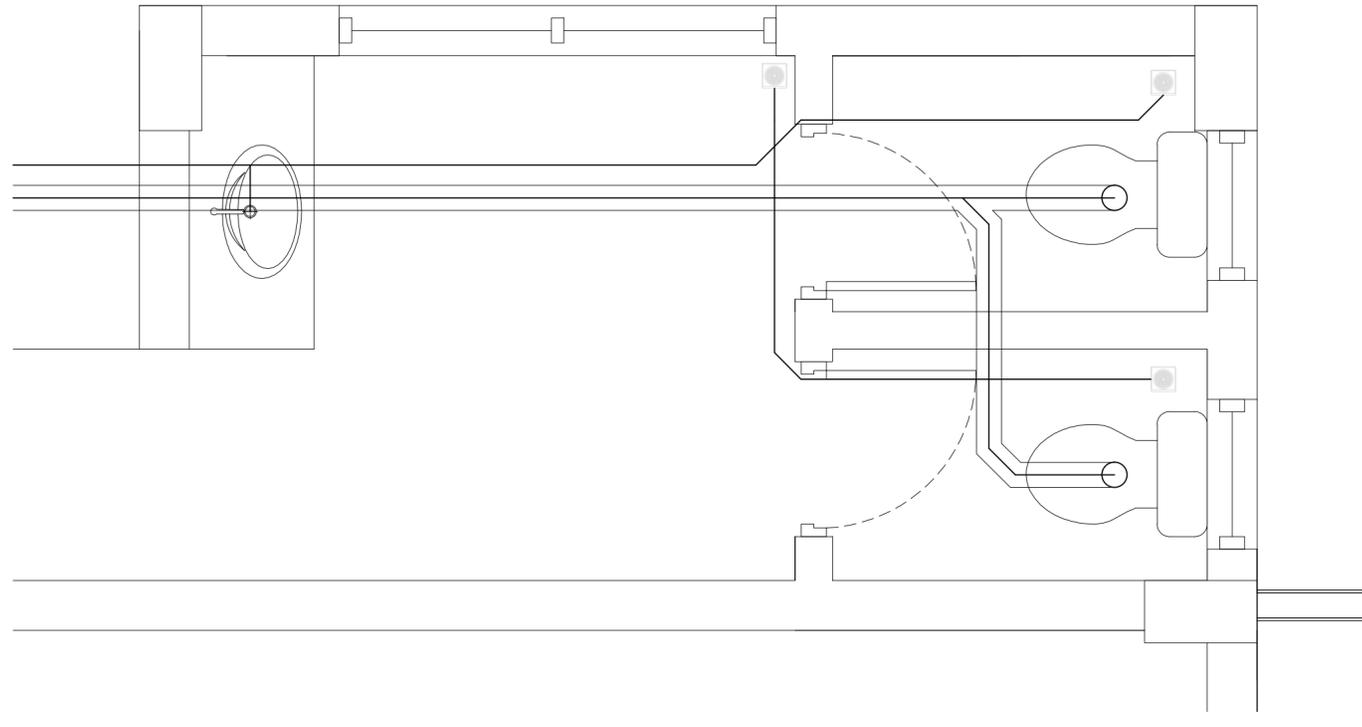


REVISION:	ARCHITECT: MOHAMED HAMEEN
	ENGINEER: MOHAMED AHASAN
	SERVICES ENG:
	ESTIMATOR:
	DRAWN BY: ASFAN AHMED

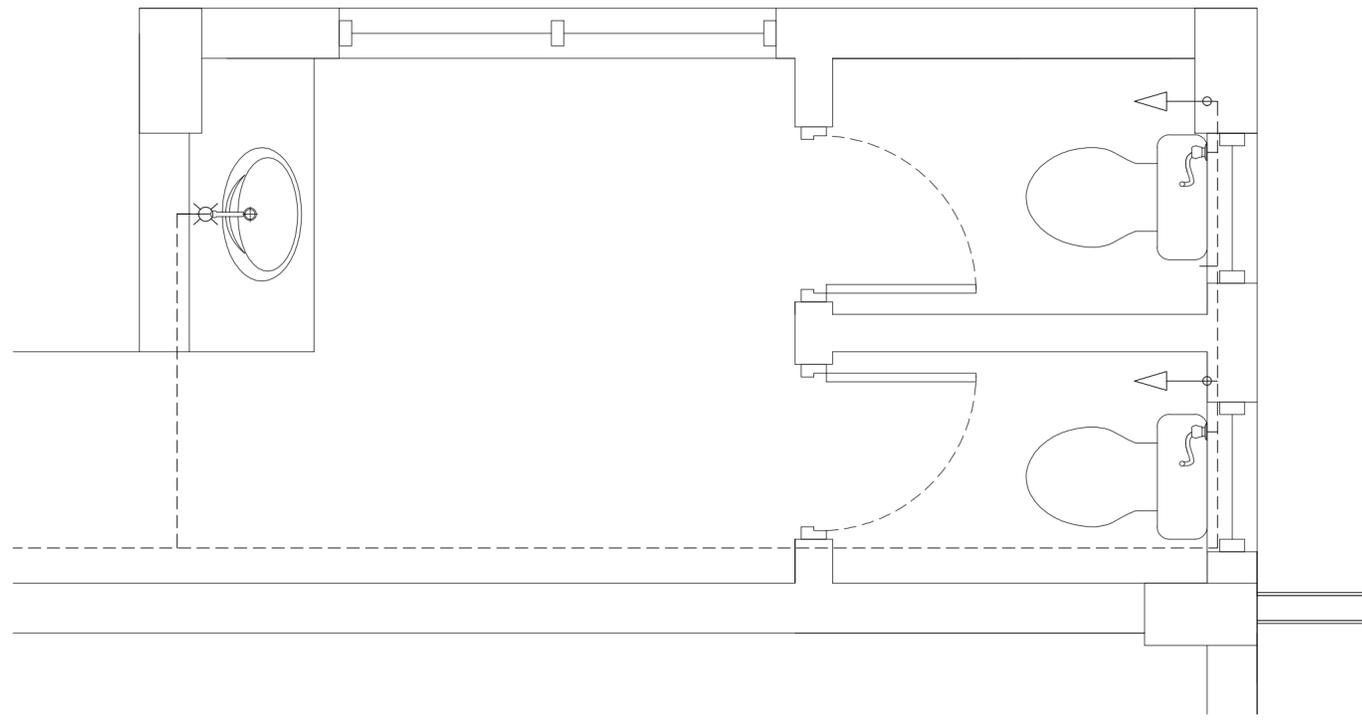
PROJECT: PROPOSED 08 CLASSROOM , 2 LABORATORY & MULTI PURPOSE HALL BLOCK	LOCATION: F.NILANDHOO
DRAWING TITLE: AS GIVEN	CLIENT: MINISTRY OF EDUCATION
SCALE: AS GIVEN	DIMENSION: MM
DATE: AUGUST 2015	

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

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

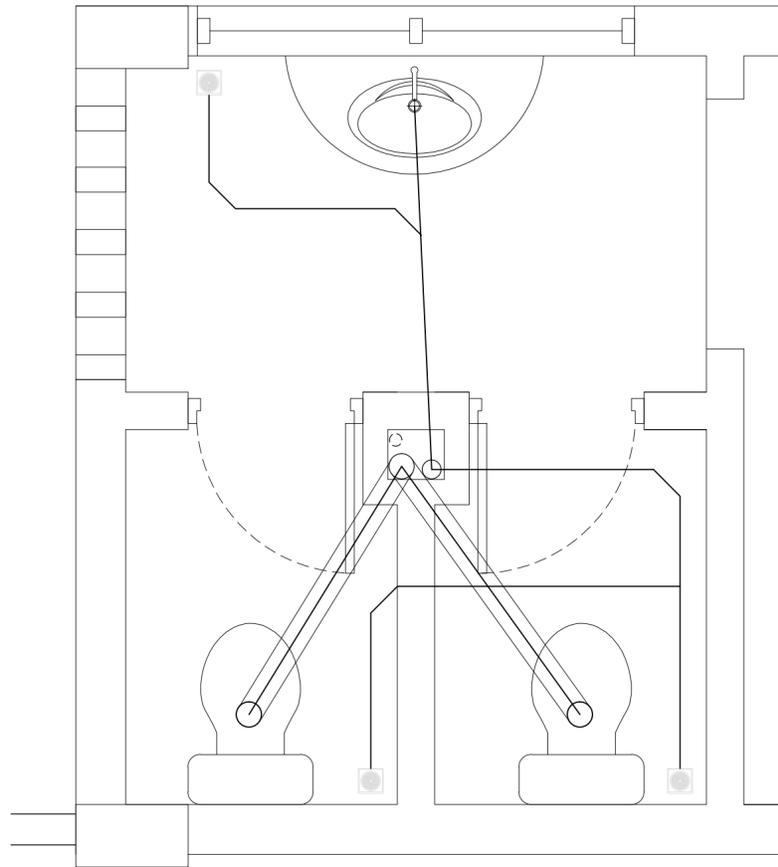


REVISION:	

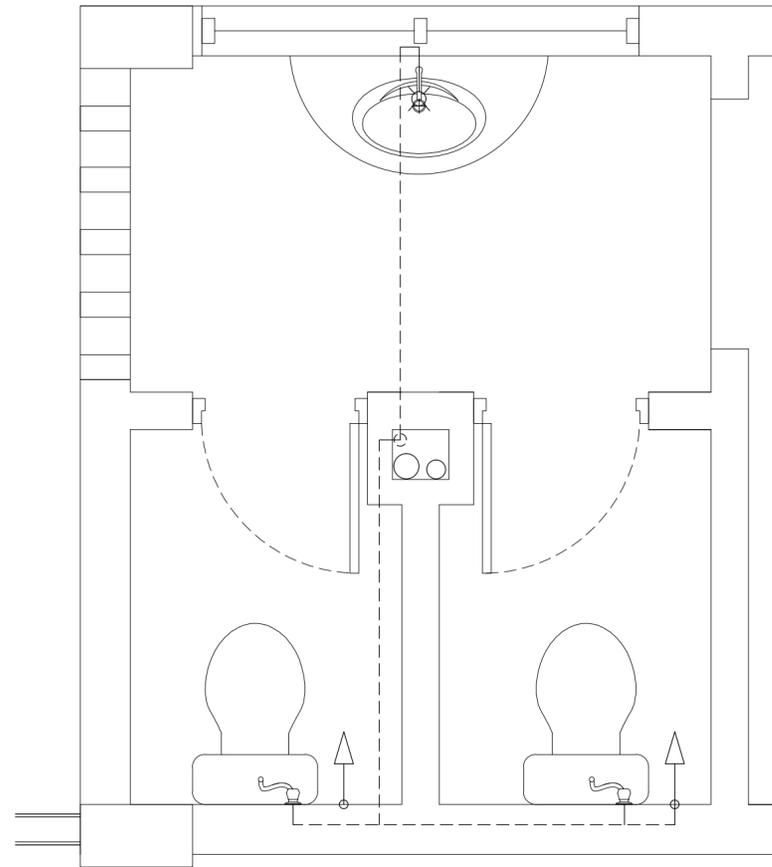
ARCHITECT:	MOHAMED HAMEEN
ENGINEER:	MOHAMED AHSAN
SERVICES ENG:	
ESTIMATOR:	
DRAWN BY:	ASFAN AHMED

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

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

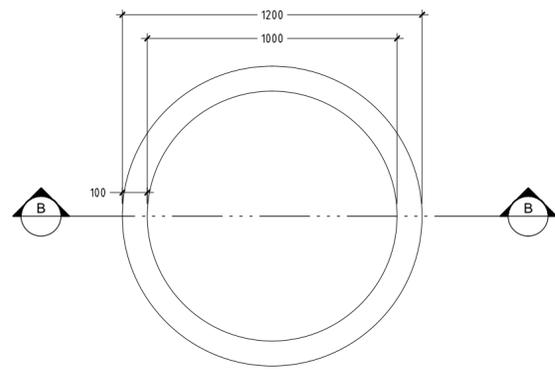


REVISION:	ARCHITECT: MOHAMED HAMEEN
	ENGINEER: MOHAMED AHSAN
	SERVICES ENG:
	ESTIMATOR:
	DRAWN BY: ASFAN AHMED

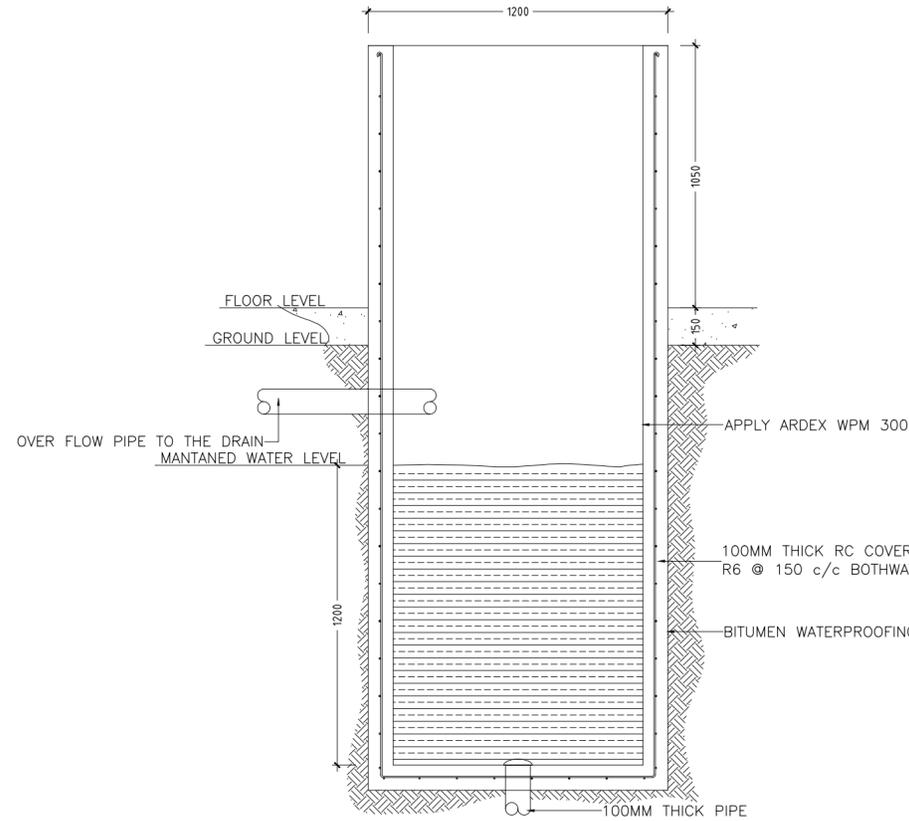
PROJECT:	PROPOSED 08 CLASSROOM, 2 LABORATORY & MULTI PURPOSE HALL BLOCK
LOCATION:	F.NILANDHOO
DRAWING TITLE:	AS GIVEN
CLIENT:	MINISTRY OF EDUCATION
SCALE:	AS GIVEN
DIMENSION:	MM
DATE:	AUGUST 2015

P-05
 DWG NO
 PROJECT NO: 14-124

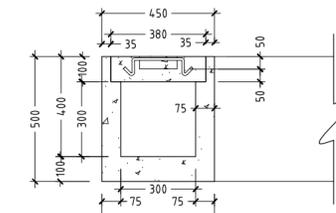
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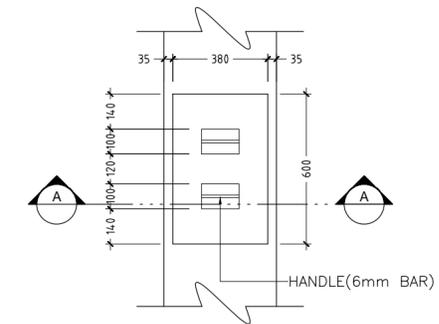
DETAIL B/ PLAN VIEW OF WELL
SCALE 1 : 20



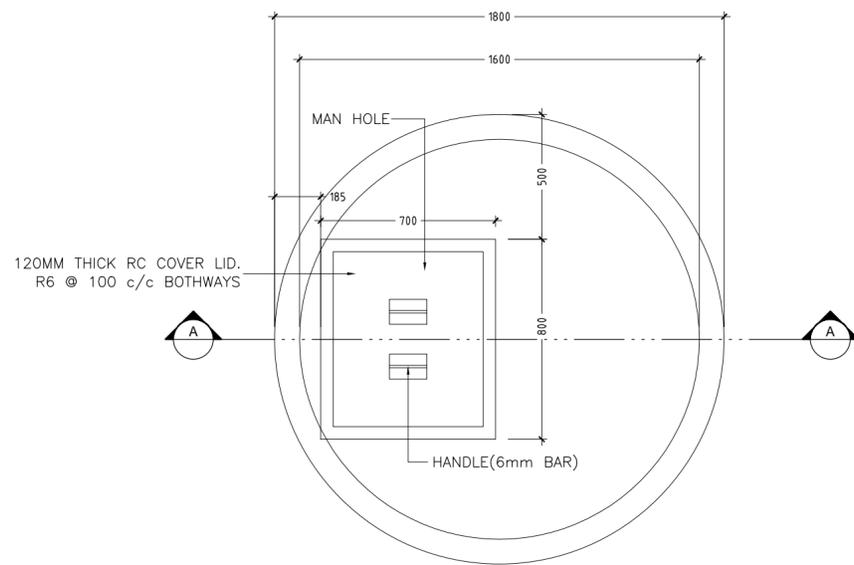
DETAIL B/ SECTION A-A OF WELL
SCALE 1 : 20



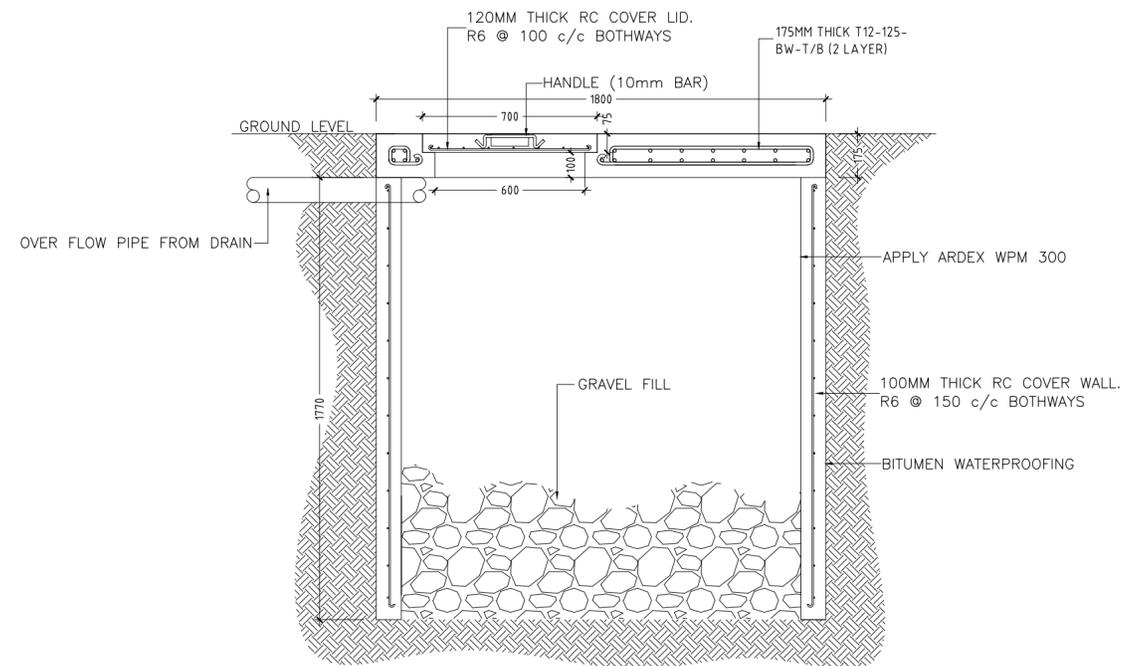
DETAIL A/ SECTION A-A
SCALE 1 : 20



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



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



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

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ArchLong
studios
Ma Fiyajhaqee, 1st Floor, Marka, Republic of Madagas

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

P-06

DWG NO

PROJECT NO: 14-124

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