

PROPOSED 01 CLASSROOM 01 STAFF ROOM 1 HALL BLOCK

Laamu Maavashu School Hall

(2 STOREY)

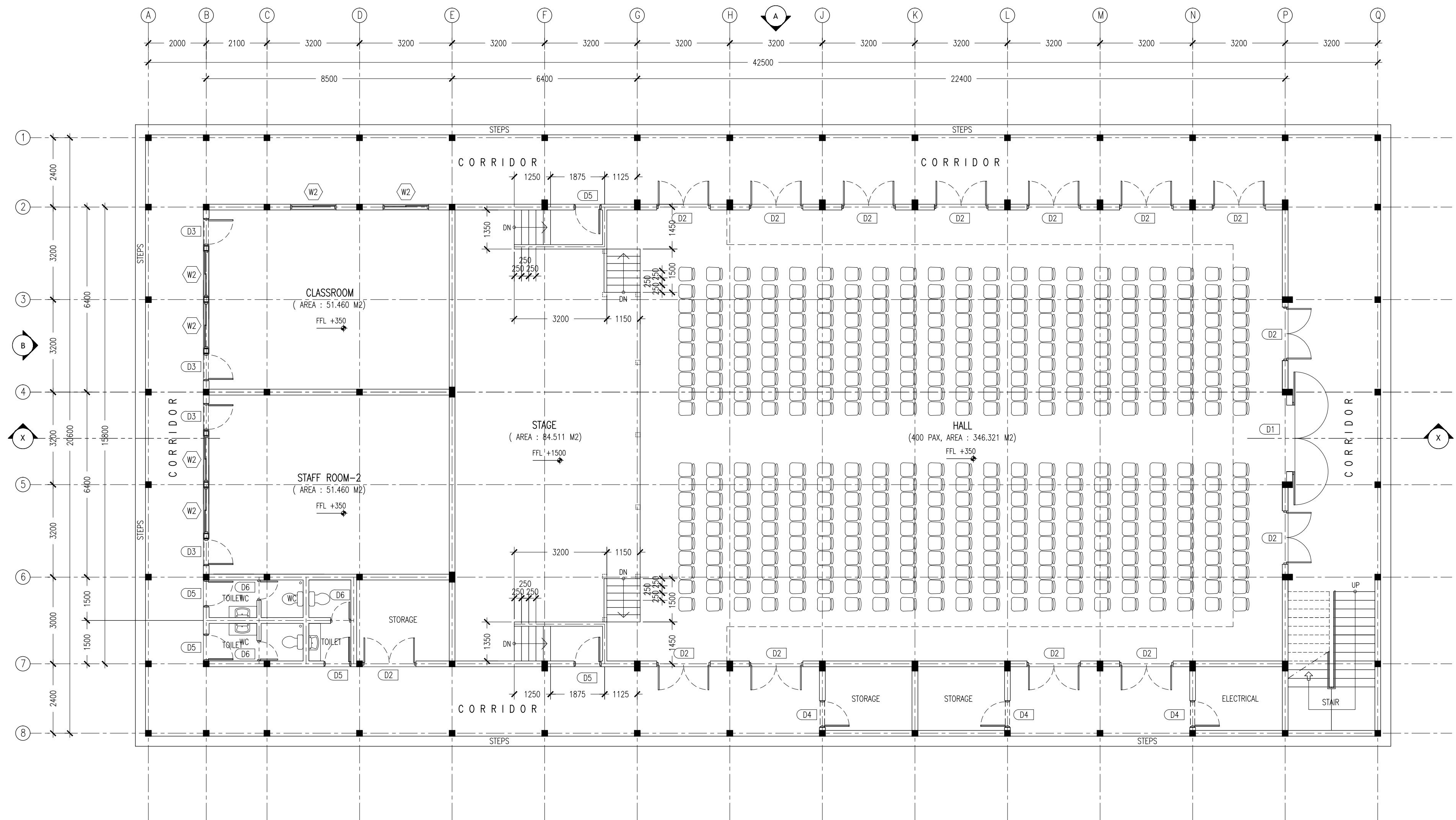
ARCHITECTURAL AND STRUCTURAL DRAWINGS

JUNE 2015

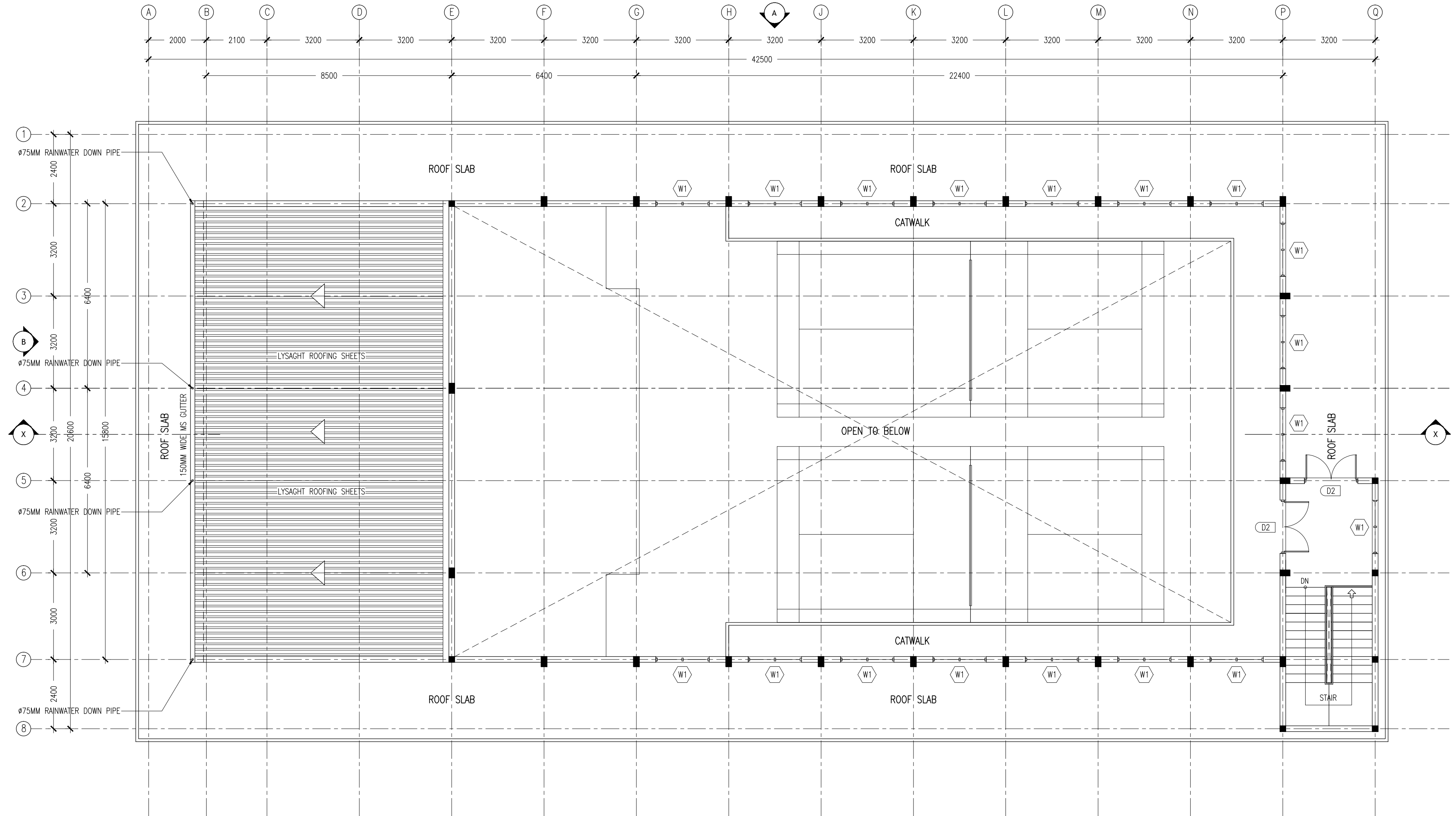
CLIENT : MINISTRY OF EDUCATION

DESIGN BY

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



GROUND FLOOR LAYOUT PLAN
SCALE 1:100



1ST FLOOR LAYOUT PLAN
SCALE 1:100

CONTRACTORS MUST
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SCALE READINGS



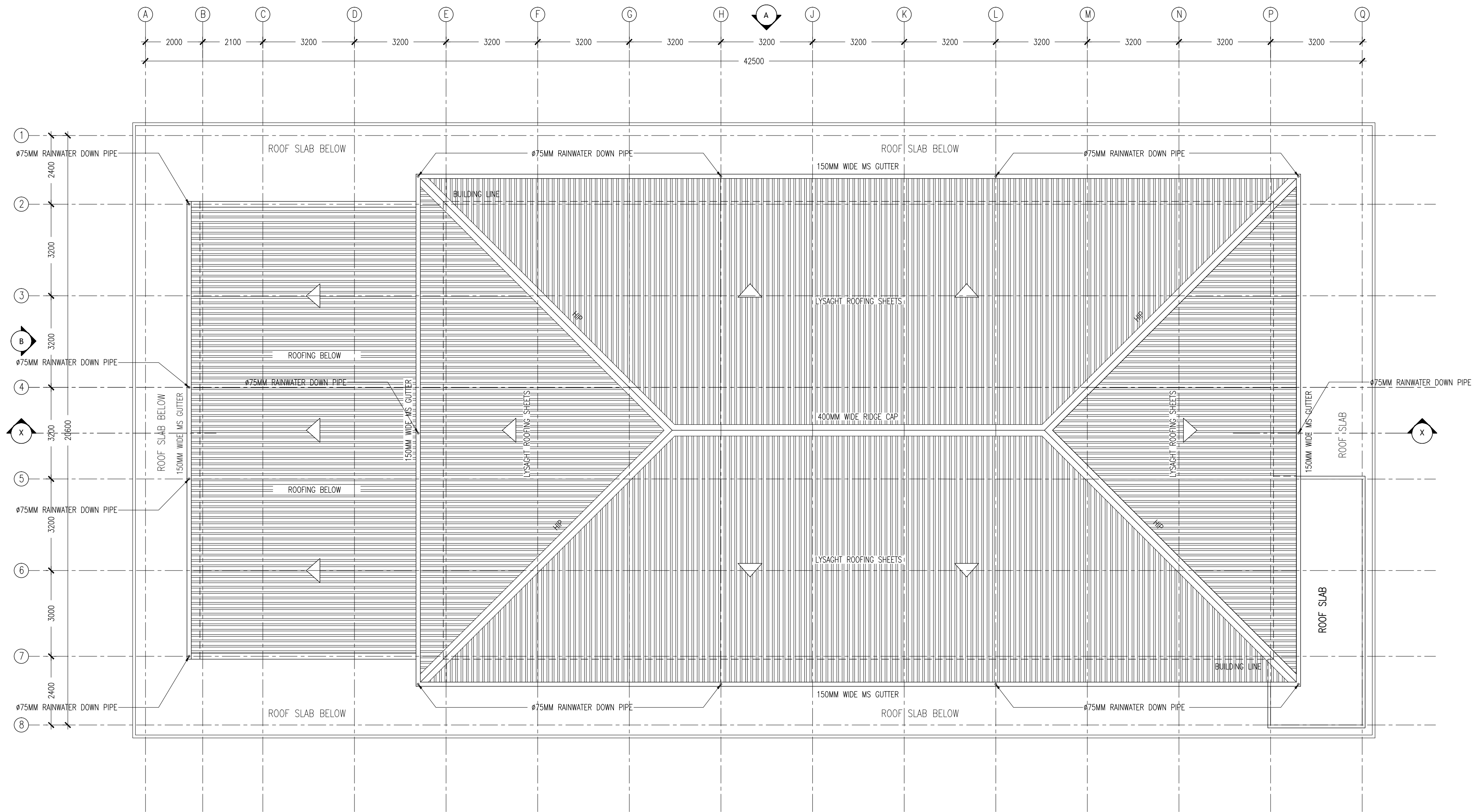
REVISION:	

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

PROJECT:	LMAAVASHU SCHOOL HALL
LOCATION:	
DRAWING TITLE:	AS GIVEN
CLIENT:	MINISTRY OF EDUCATION
SCALE:	AS GIVEN
DIMENSION:	MM
DATE:	JUNE 2015

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

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ROOF LAYOUT PLAN
SCALE 1:100

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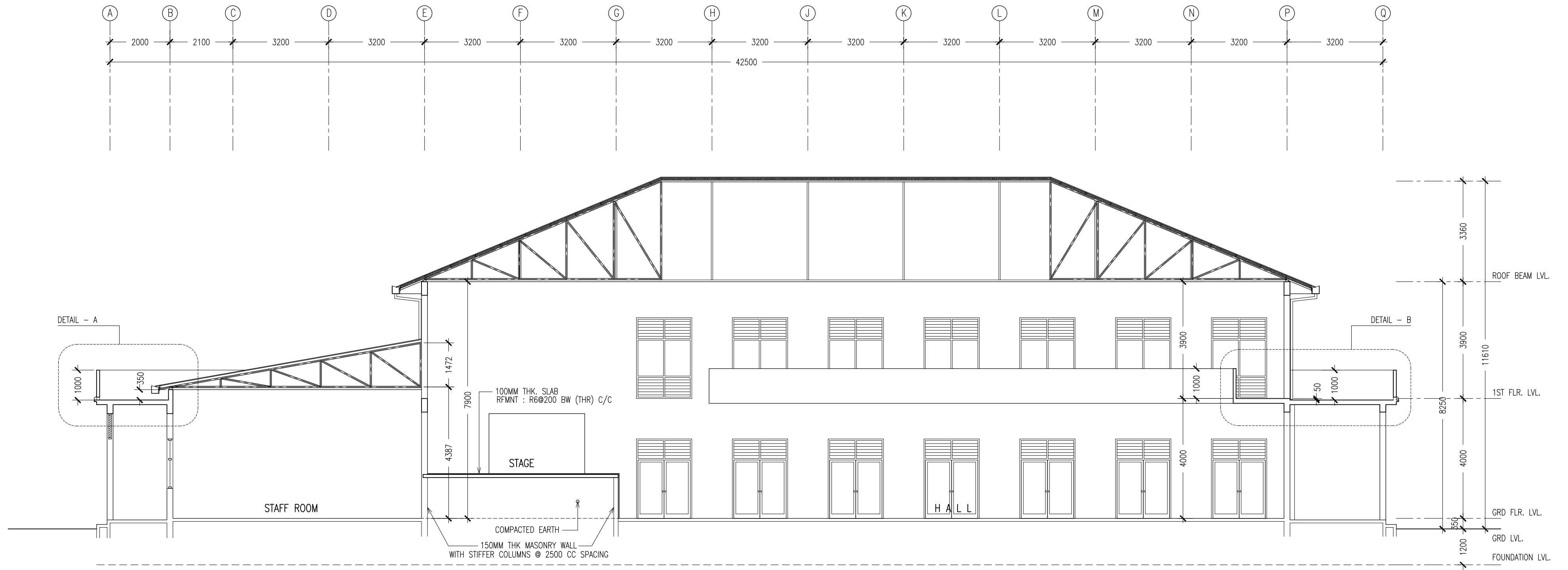
REVISION:	

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

PROJECT:	L.MAAVASHU SCHOOL HALL
LOCATION:	
DRAWING TITLE:	AS GIVEN
CLIENT:	MINISTRY OF EDUCATION
SCALE:	AS GIVEN
DIMENSION:	MM
DATE:	JUNE 2015

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

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SECTION X-X
SCALE 1:100

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SCALE READINGS

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REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: LMAAVASHU SCHOOL HALL	A-04
	ENGINEER: MOHAMED AHSAN	LOCATION:	
	PRELIM. ENG:	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: ASFAN AHMED	SCALE: AS GIVEN	
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A-05

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ELEVATIONS :						
FINISH FLOOR LEVEL						
DR / WD NO.	D1		D2		D3	D4
DESCRIPTION :	ALUMINIUM FRAMED OPENABLE DOOR PANEL		ALUMINIUM FRAMED OPENABLE DOOR PANEL		40MM THICK OPENABLE ALUMINIUM DOOR PANEL	40MM THICK OPENABLE ALUMINIUM DOOR PANEL
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 :	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		6MM THICK BLUE TINTED LAMINATED GLASS		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						
DR / WD NO.	W1		W2		V1 (TYPE -1)	V2 (TYPE -2)
DESCRIPTION :	ALUMINIUM FRAMED FIXED WINDOW PANEL WITH FIXED ALUMINIUM LOUVERS		ALUMINIUM FRAMED FIXED WINDOW PANEL WITH FIXED ALUMINIUM LOUVERS		ALUMINIUM FRAMED FIXED 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
HARDWARE :						
GLAZING :	6MM THICK BLUE TINTED LAMINATED GLASS		6MM THICK BLUE TINTED LAMINATED GLASS			

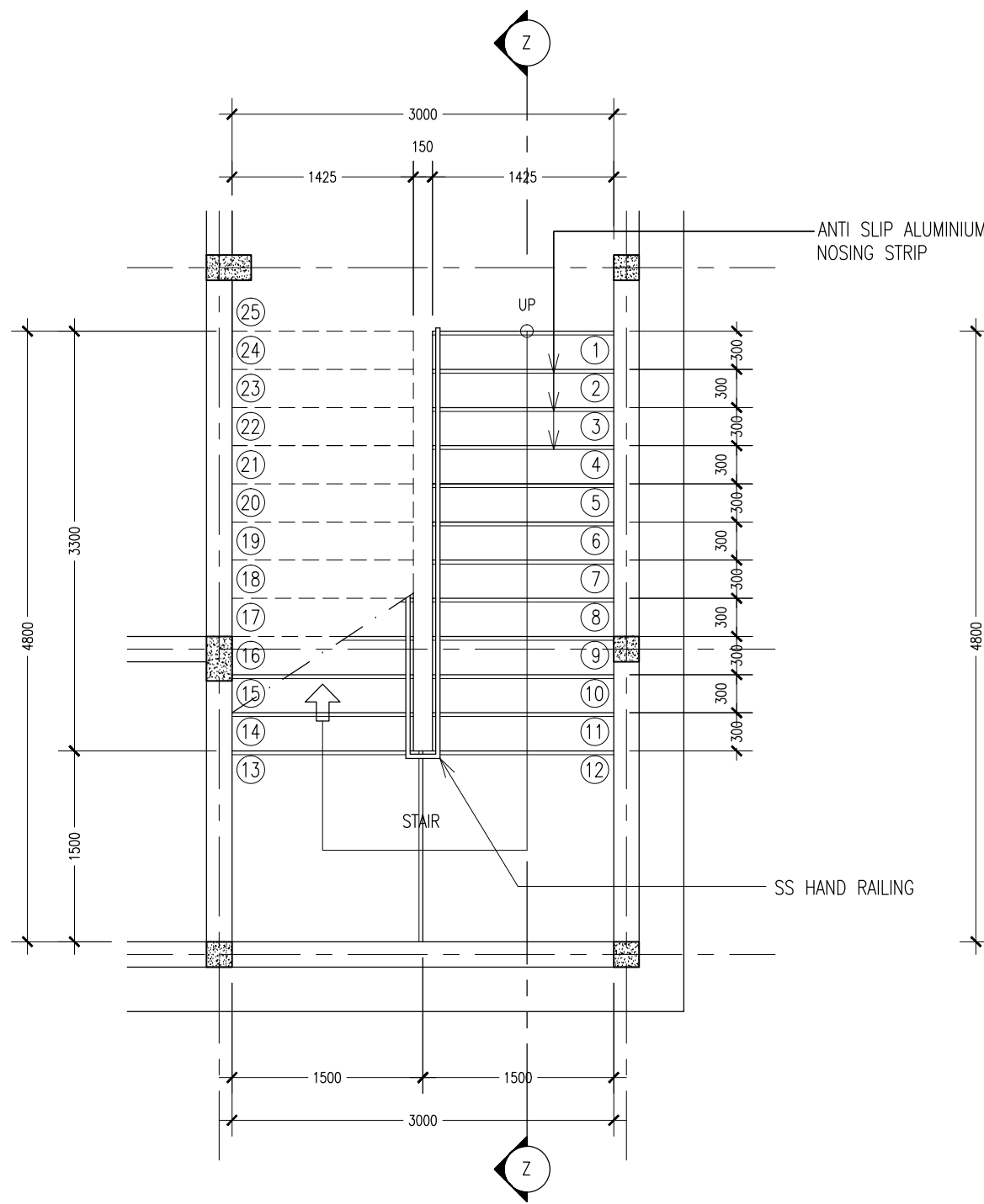
DOOR / WINDOW SCHEDULE

SCALE 1:50

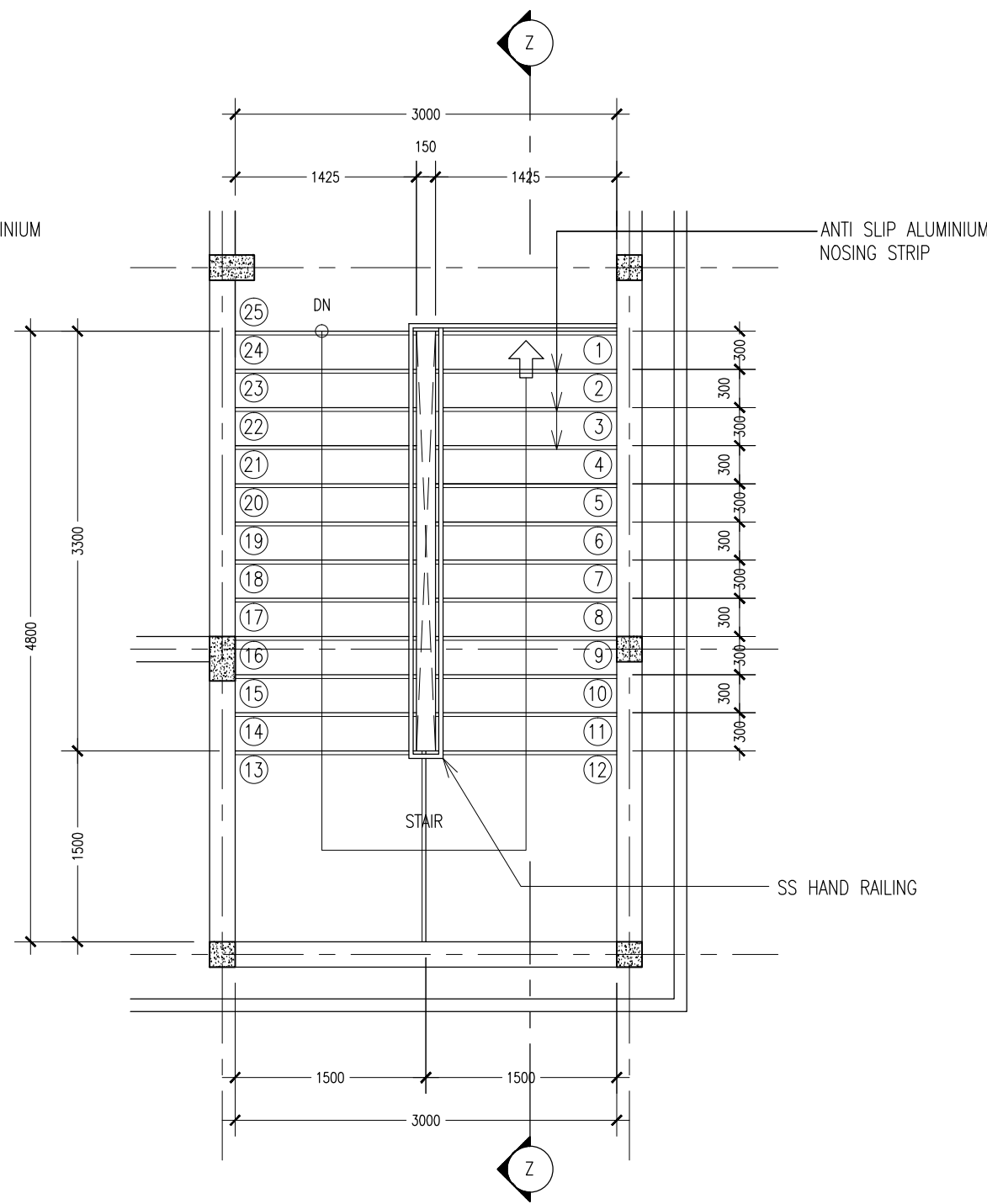
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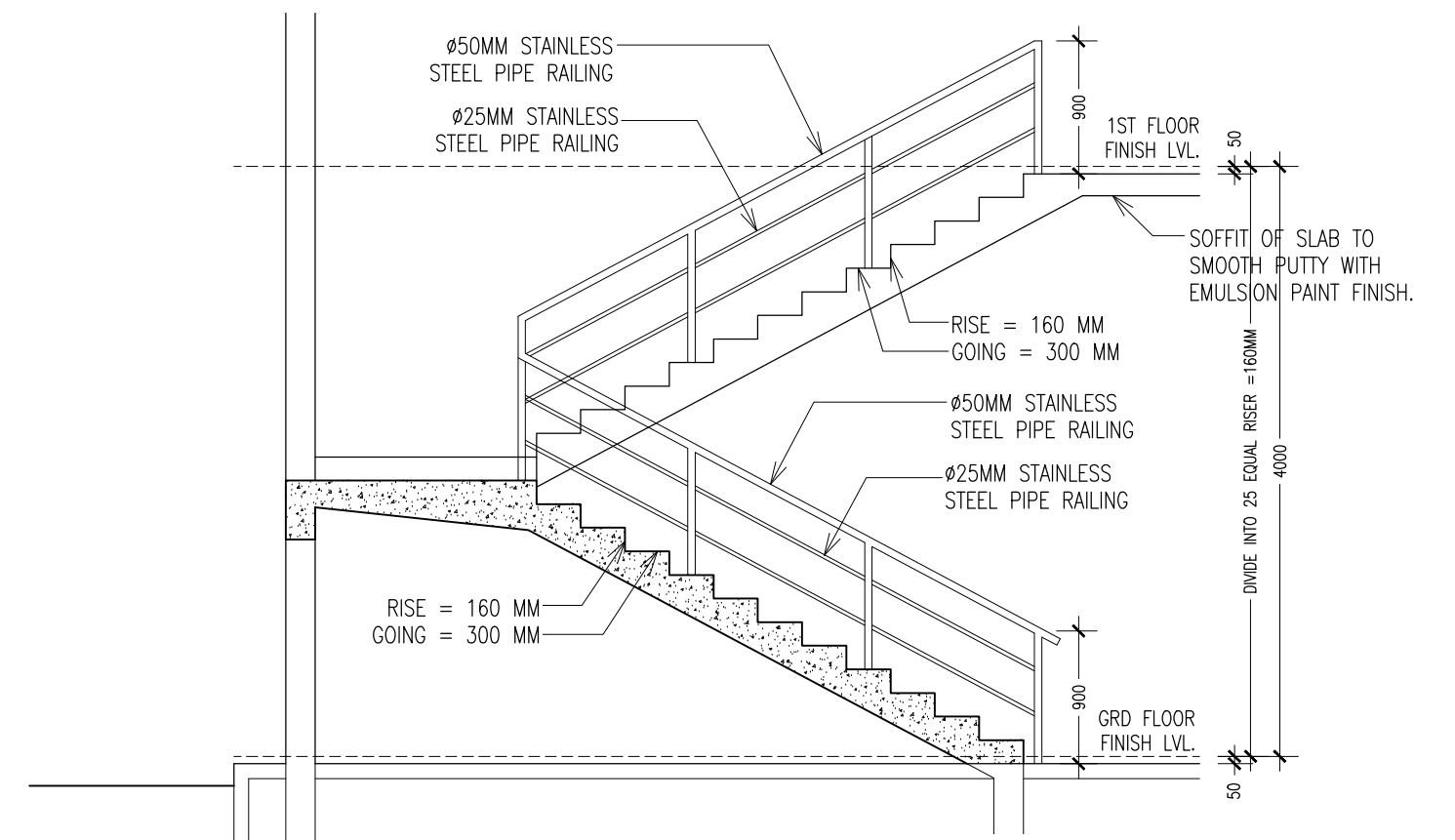
REVISION:	ARCHITECT:	MOHAMED HAMEEN	PROJECT:	LMAAVASHU SCHOOL HALL			A-06
	ENGINEER:	MOHAMED AHSAN	LOCATION:				
	PRELIM. ENG:		DRAWING TITLE:	AS GIVEN			
	ESTIMATOR:		CLIENT:	MINISTRY OF EDUCATION			
	DRAWN BY:	ASFAN AHMED	SCALE: AS GIVEN	DIMENSION: MM	DATE: JUNE 2015	DWG NO	
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STAIR PLAN - GROUND FLOOR
SCALE 1:50



STAIR PLAN - 1ST FLOOR
SCALE 1:50

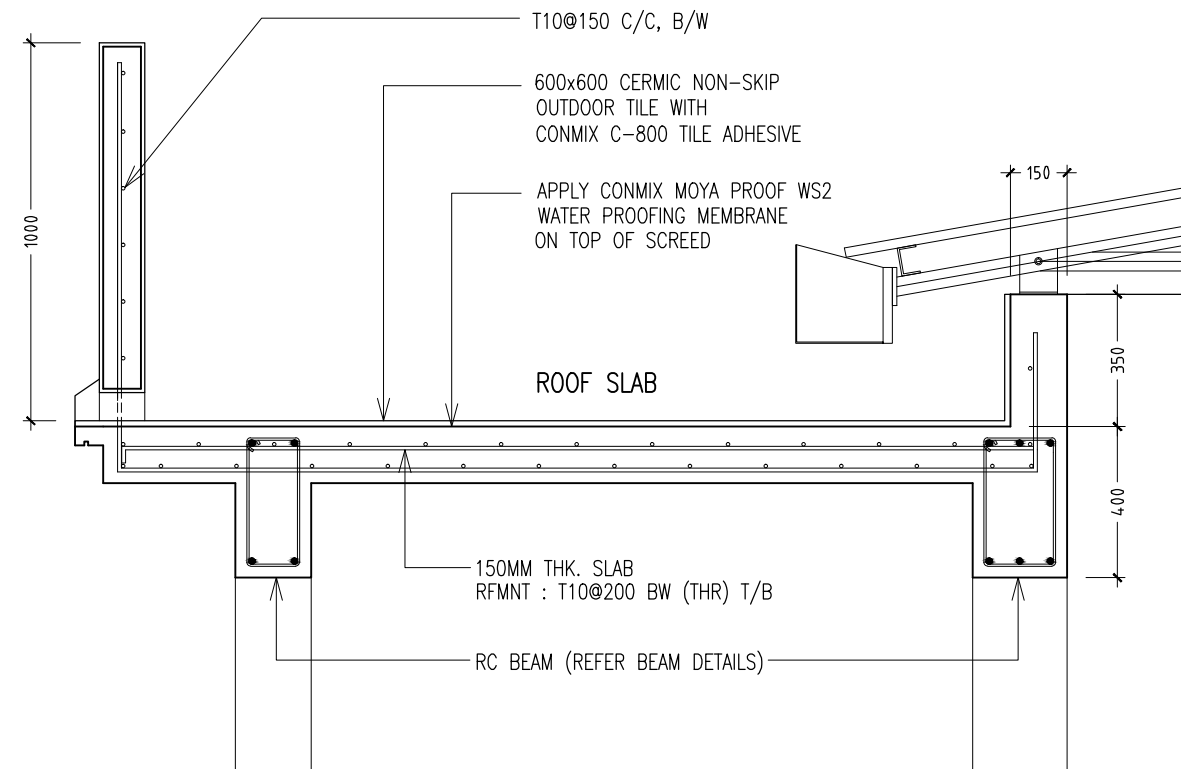


STAIR SECTION DETAIL Z-Z
SCALE 1:50

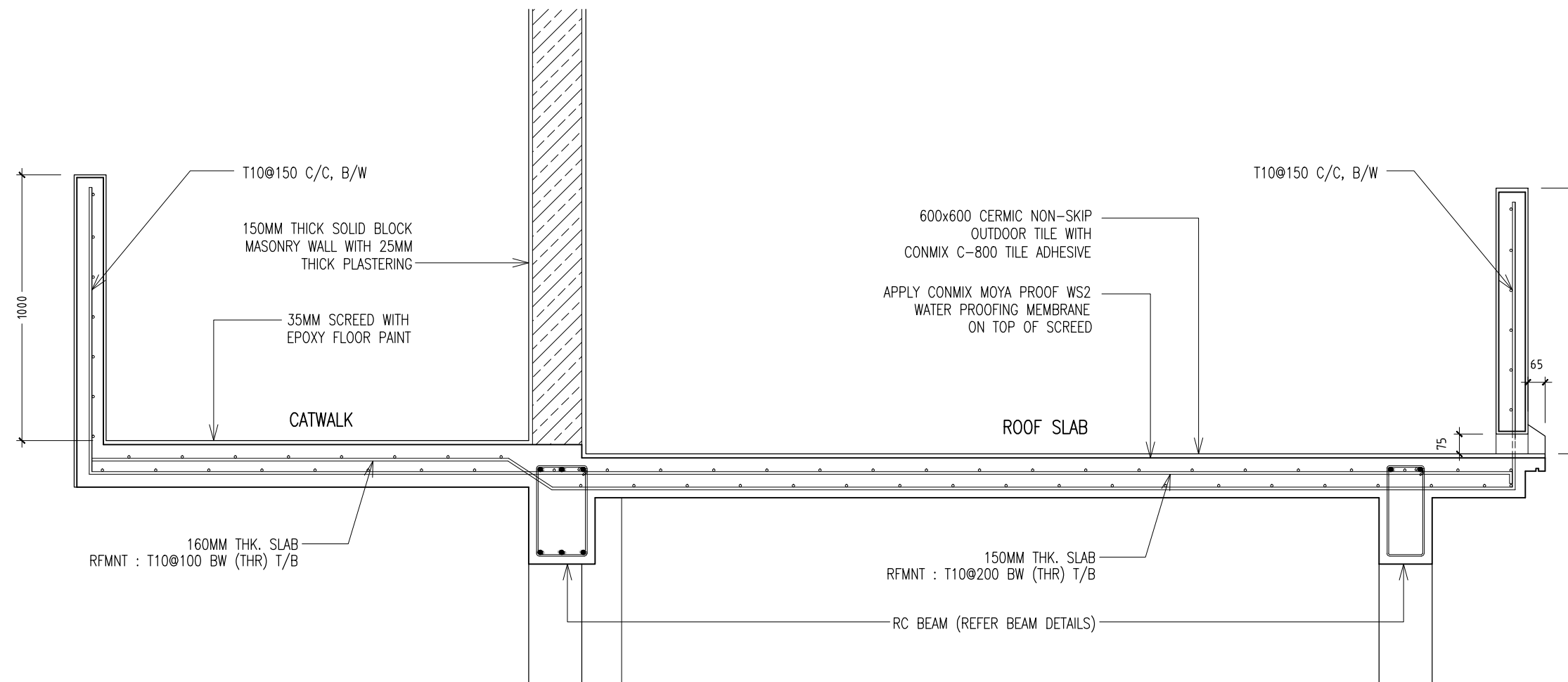
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REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: L.MAAVASHU SCHOOL HALL	A-07
	ENGINEER: MOHAMED AHSAN	LOCATION:	
	PRELIM. ENG:	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: ASFAN AHMED	SCALE: AS GIVEN	
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SECTION DETAIL - A
SCALE 1:20

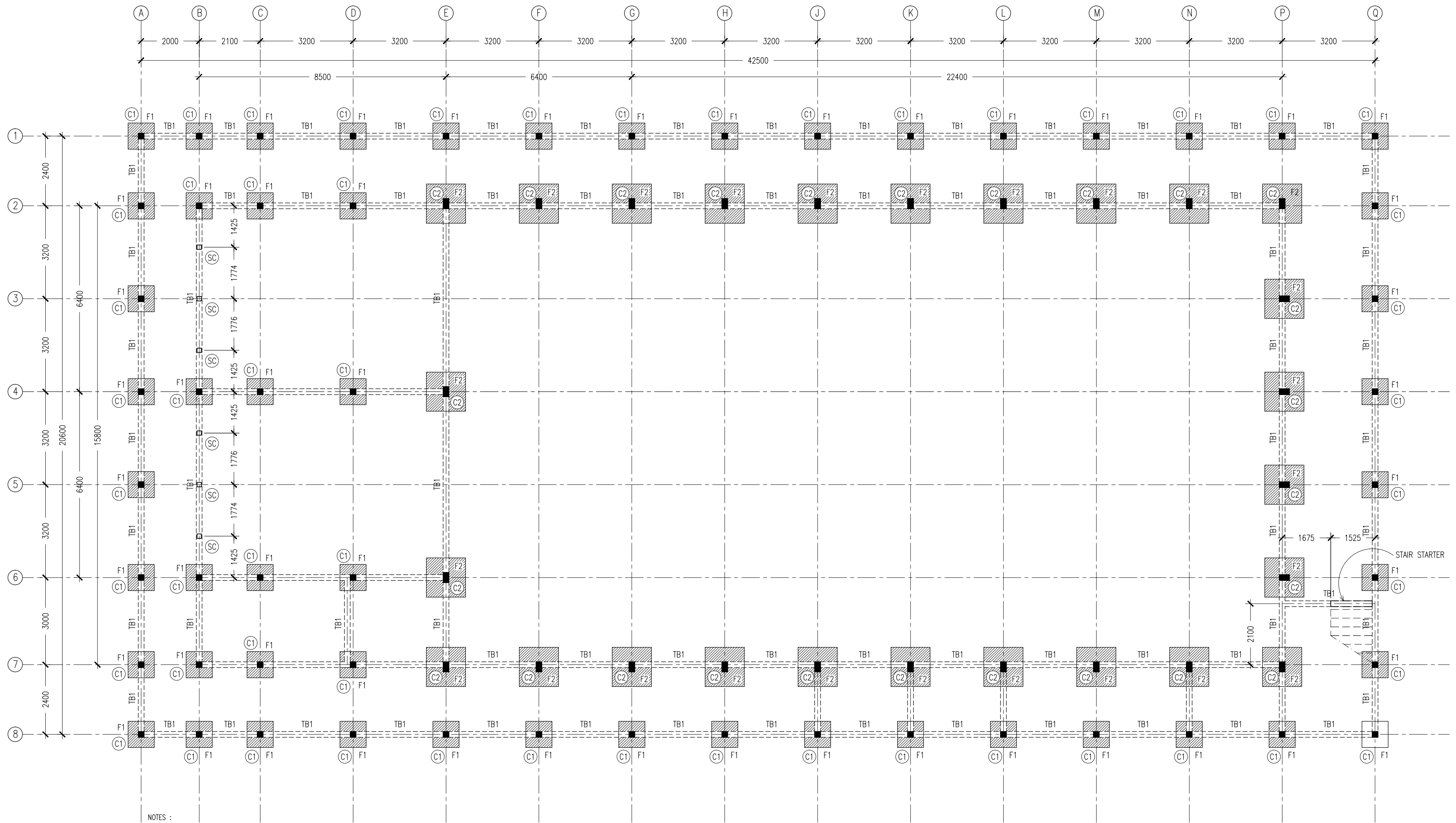


SECTION DETAIL - B
SCALE 1:20

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REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: L.MAAVASHU SCHOOL HALL	A-08
	ENGINEER: MOHAMED AHSAN	LOCATION:	
	PRELIM. ENG:	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: ASFAN AHMED	SCALE: AS GIVEN	
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			PROJECT NO.: 15-041



NOTES :

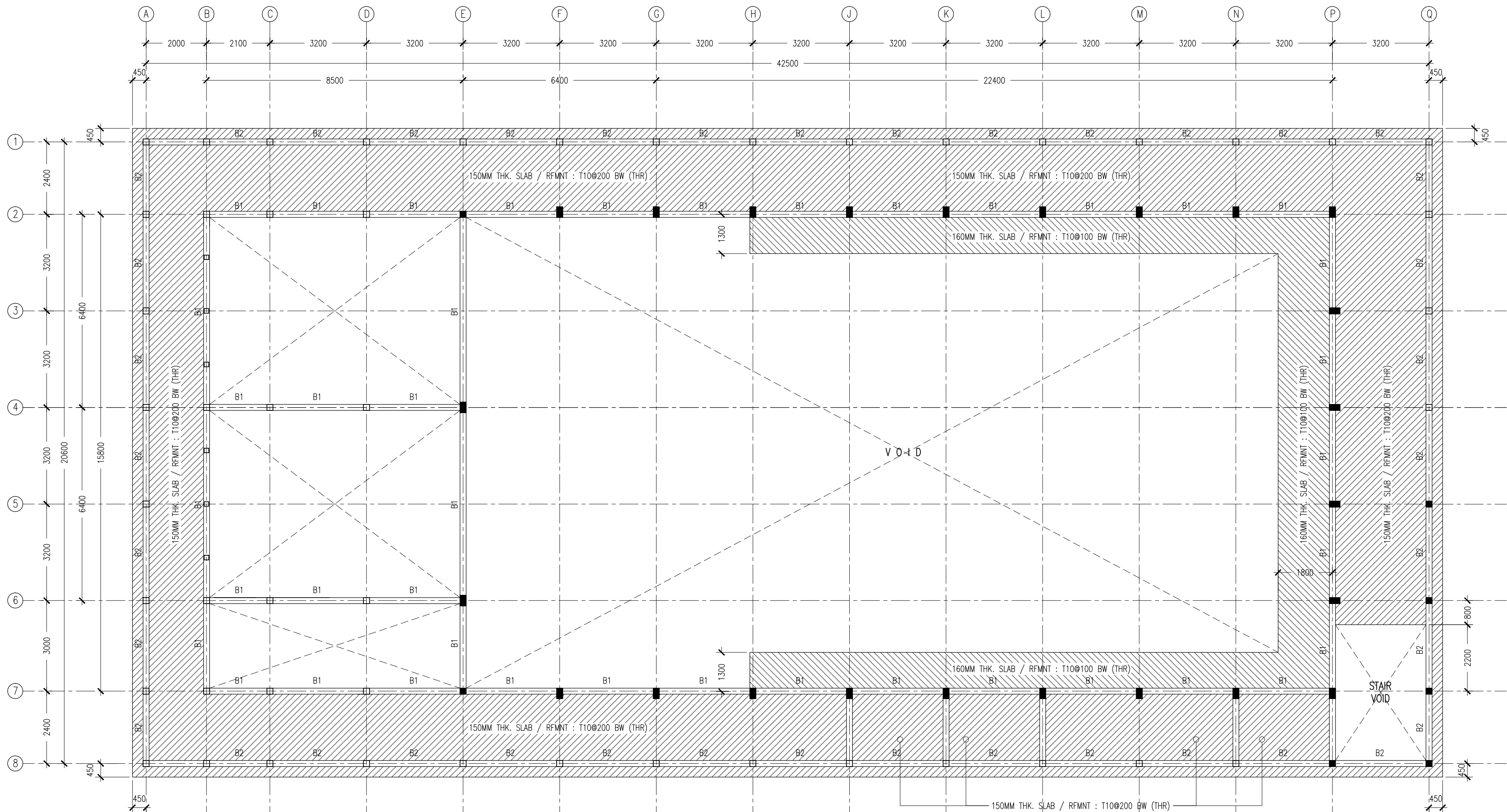
- COVER TO FOUNDATION: 50MM
- COVER TO BEAMS : 50MM
- COVER TO COLUMNS : 40MM
- CONCRETE MIX : 1:2:3
UNLESS STATED
- ADD CONMIX MEGA FLOW P TO ALL SUPER STRUCTURE CONCRETE.
- ADD CONMIX MEGA ADD WL3 TO ALL SUBSTRUCTURE CONCRETE.
- APPY 2 COATS OF CONMIX MOYA SHIELD RBE TO ALL STRUCTURE CONCRETE
BELOW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

FOUNDATION LAYOUT PLAN
SCALE 1:100

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REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: LMAAVASHU SCHOOL HALL	S-01
	ENGINEER: MOHAMED AHSAN	LOCATION:	
	PRELIM. ENG:	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: ASFAN AHMED	SCALE: AS GIVEN DIMENSION: MM DATE: JUNE 2015	
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- NOTES :
- SLAB THICKNESS : 150MM
ACCPT WHERE STATED
 - SLAB BOTTOM COVER: 30MM
 - SLAB TOP COVER: 25MM
 - COVER TO BEAMS : 35MM
 - COVER TO COLUMNS : 40MM
 - CONCRETE MIX : 1:2:3
UNLESS STATED
 - ADD CONMIX MEGAFLOW MP TO ALL EXTERNAL PLASTER &
FOR WET AREA PLASTER
 - ADD CONMIX MEGA FLOW P TO ALL SUPER STRUCTURE CONCRETE.

1ST FLOOR BEAM LAYOUT PLAN
SCALE 1:100

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REVISION:	

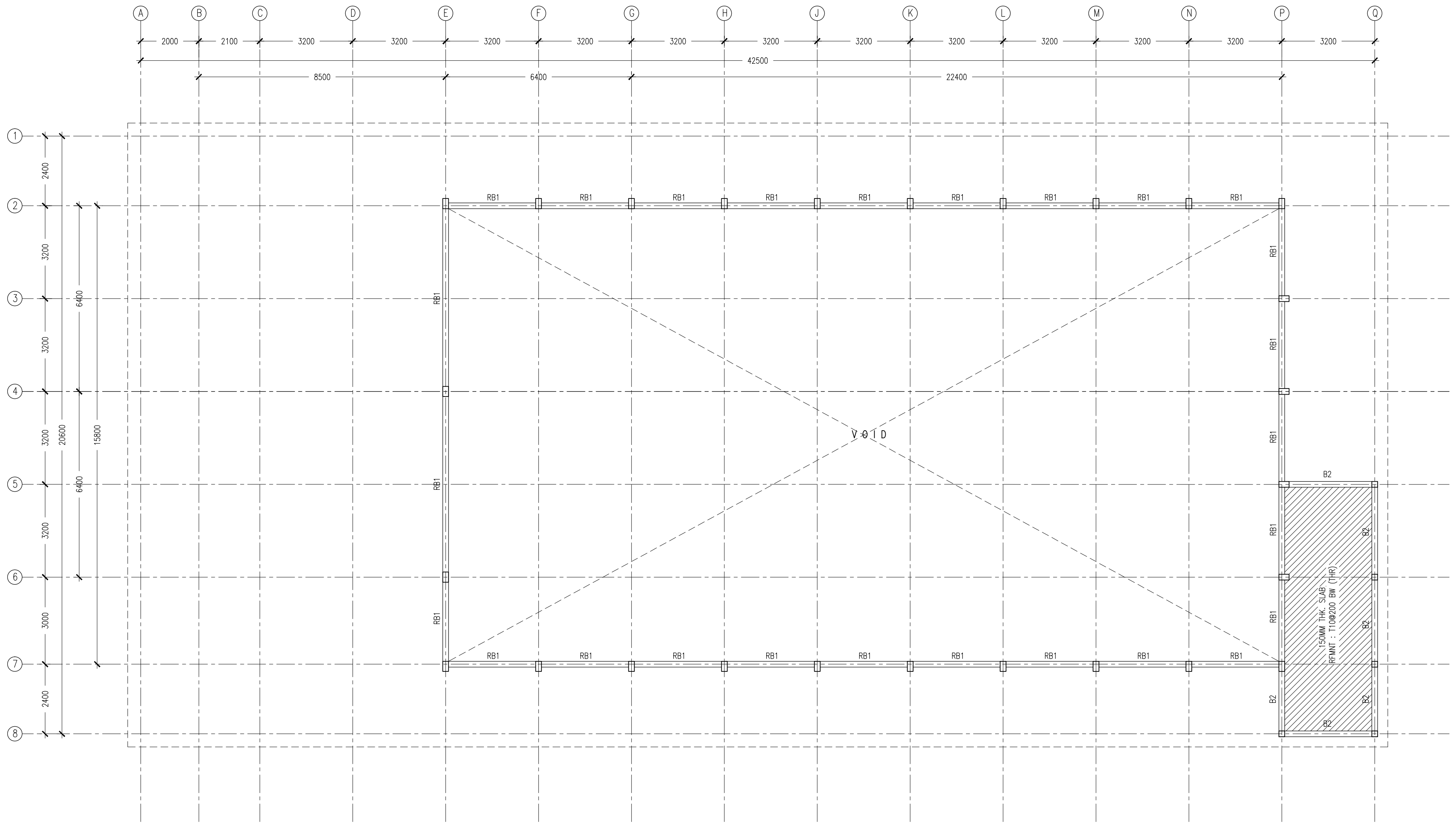
ARCHITECT:	MOHAMED HAMEEN
ENGINEER:	MOHAMED AHSAN
PRELIM. ENG:	
ESTIMATOR:	
DRAWN BY:	ASFAN AHMED

PROJECT:	LMAAVASHU SCHOOL HALL
LOCATION:	
DRAWING TITLE:	AS GIVEN
CLIENT:	MINISTRY OF EDUCATION
SCALE:	AS GIVEN
DIMENSION:	MM
DATE:	JUNE 2015

S-02

DWG NO
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1ST FLOOR BEAM LAYOUT PLAN
SCALE 1:100

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REVISION:	

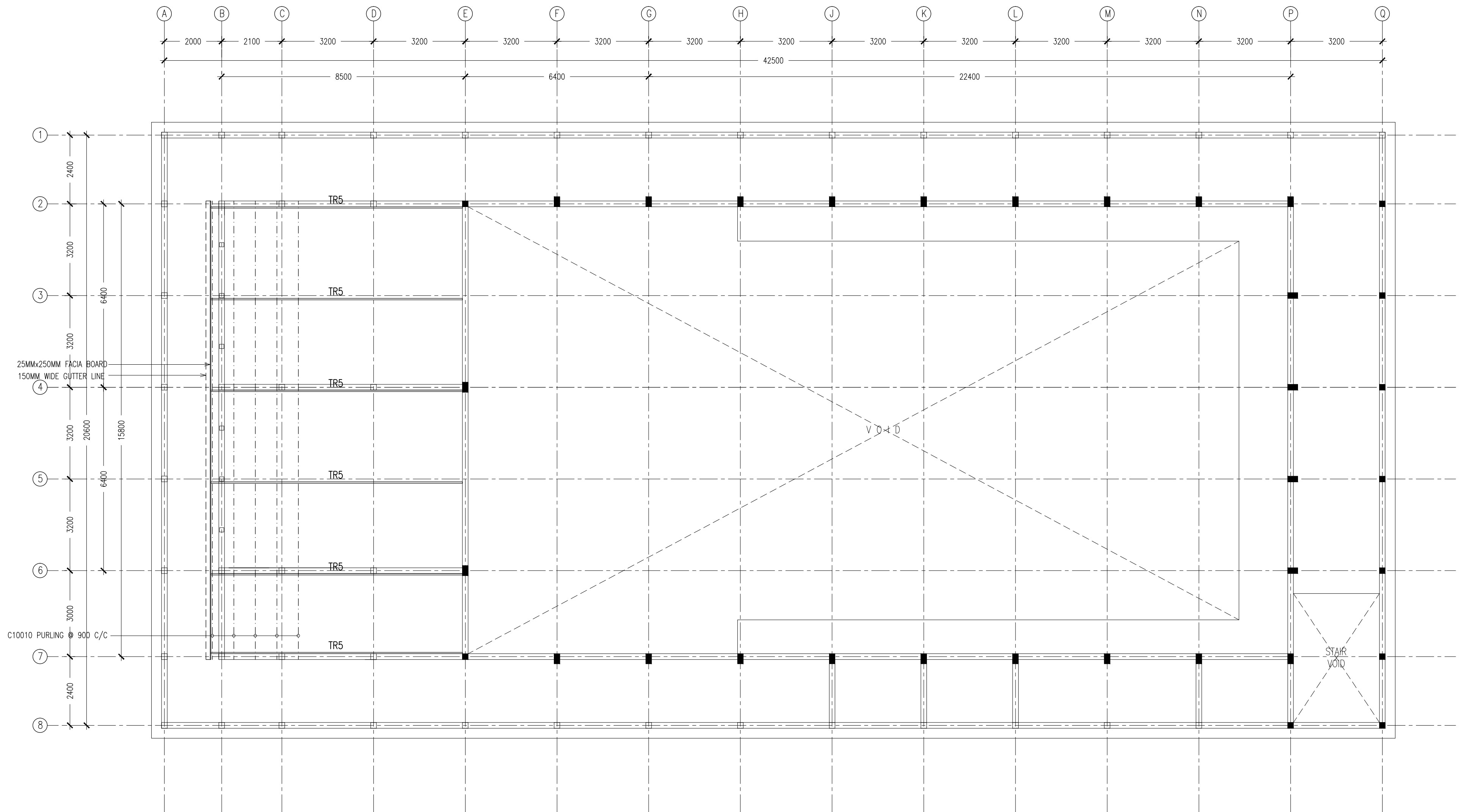
ARCHITECT:	MOHAMED HAMEEN
ENGINEER:	MOHAMED AHSAN
PRELIM. ENG:	
ESTIMATOR:	
DRAWN BY:	ASFAN AHMED

PROJECT:	L'MAAVASHU SCHOOL HALL
LOCATION:	
DRAWING TITLE:	AS GIVEN
CLIENT:	MINISTRY OF EDUCATION
SCALE:	AS GIVEN
DIMENSION:	MM
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S-03

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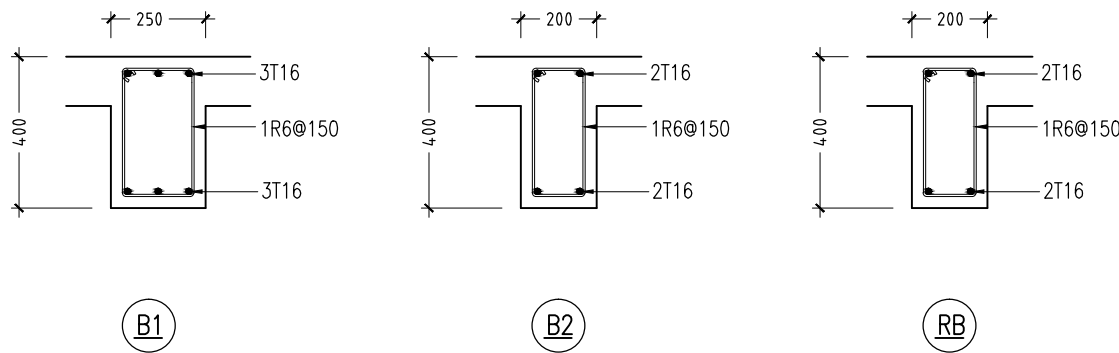
1ST FLOOR BEAM LAYOUT PLAN
SCALE 1:100



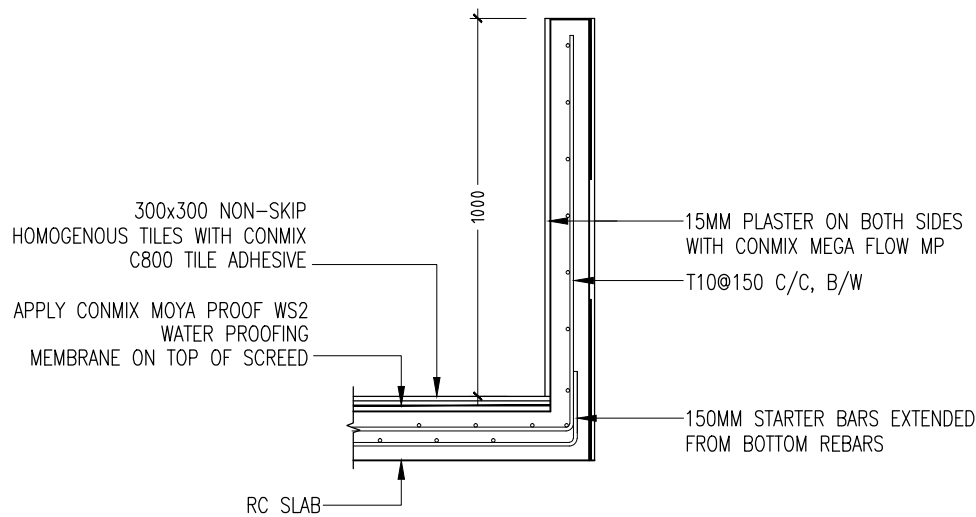
PROJECT NO.: 15-041

	FOOTING	LENGTH/mm	WIDTH/mm	DEPTH/mm	REINFORCEMENT
	F1	900	900	300	T12@150mm C/C BW BOTTOM
	F2	1350	1350	300	T12@150mm C/C BW BOTTOM

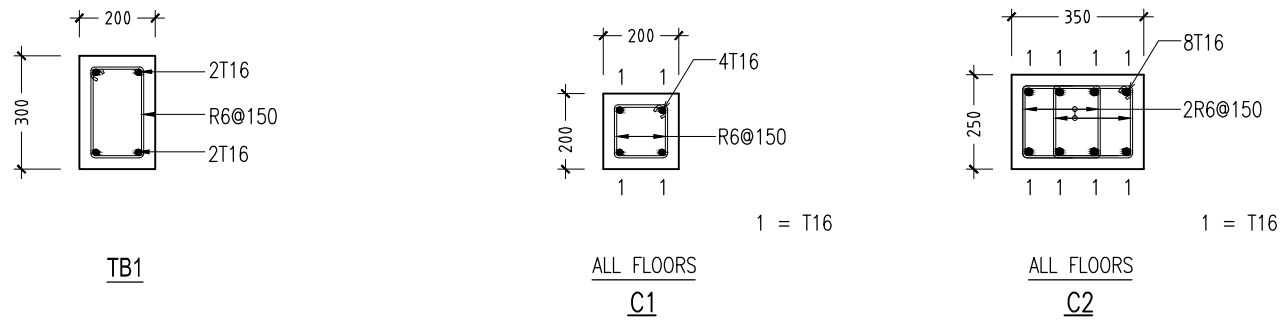
FOOTING DETAILS



RC BEAM DETAILS
SCALE 1:20

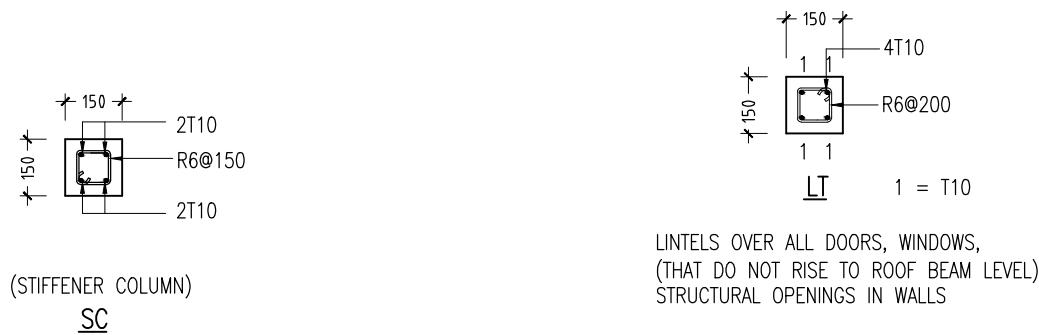


TYPICAL BALCONY PARAPET WALL
SCALE 1:20



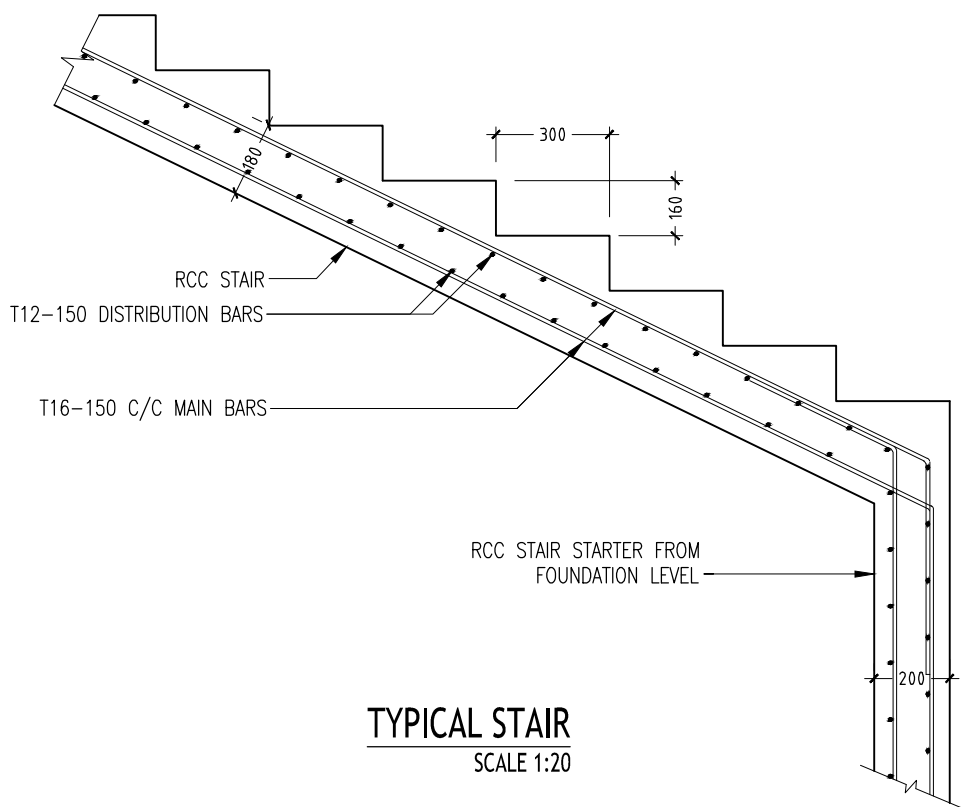
TIE BEAM DETAILS
SCALE 1:20

COLUMN DETAILS
SCALE 1:20



COLUMN DETAILS
SCALE 1:20

LINTEL/SILL BEAM DETAILS
SCALE 1:20



TYPICAL STAIR
SCALE 1:20

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

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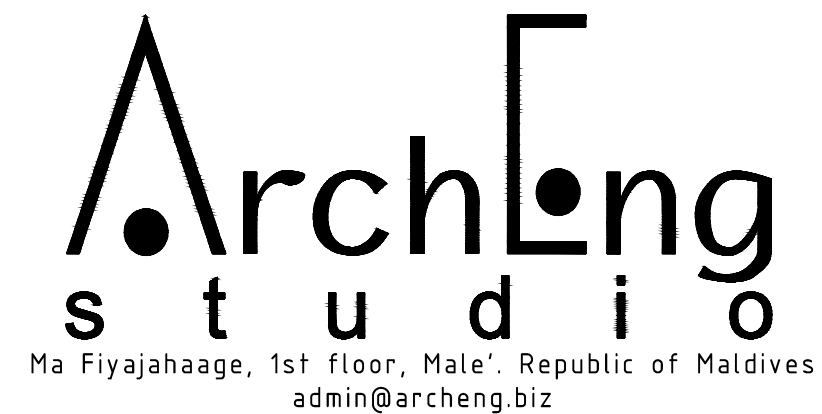
PROPOSED 01 CLASSROOM 01 STAFF ROOM 1 HALL BLOCK

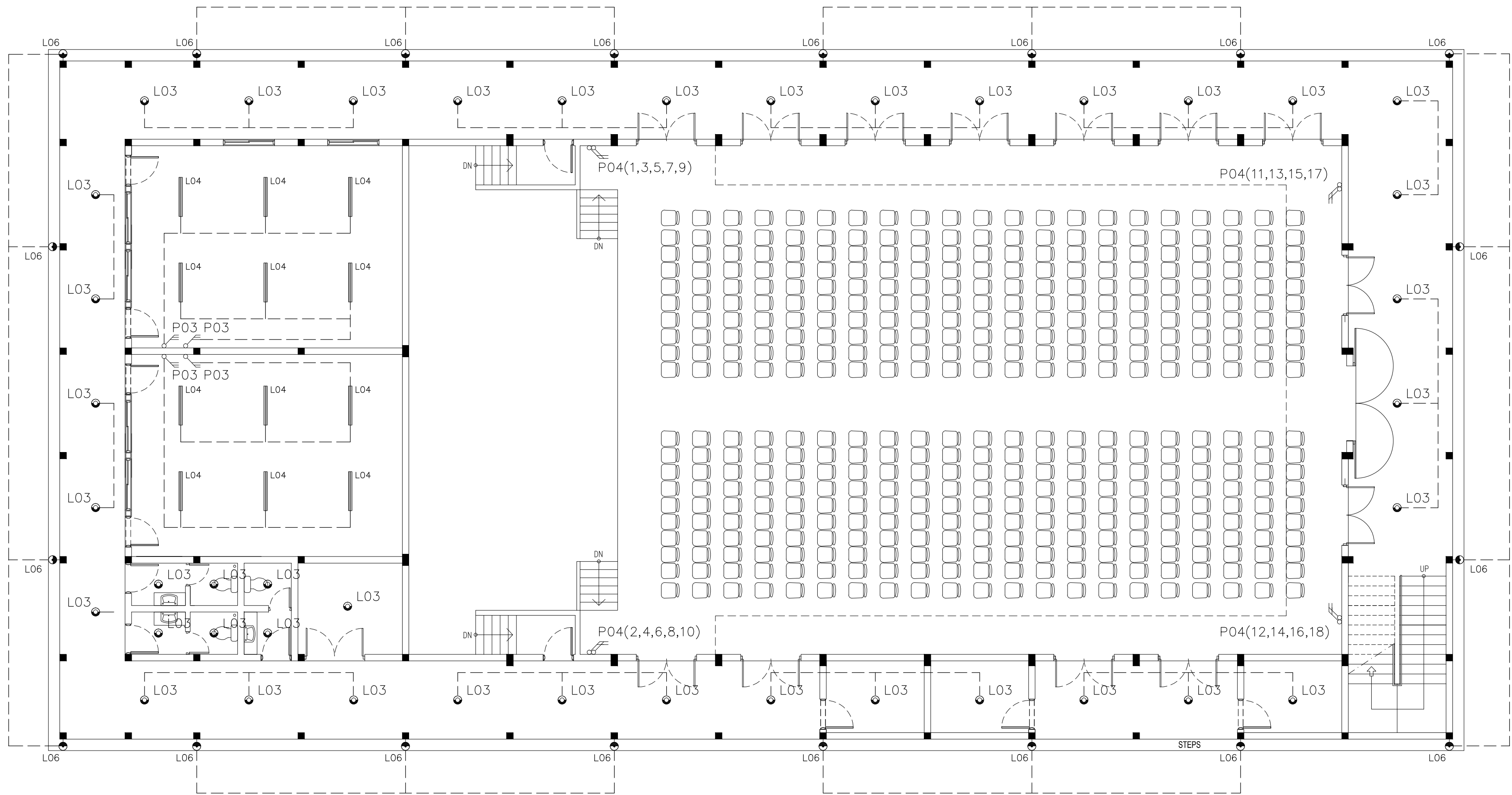
Laamu Maavashu School Hall

(2 STOREY)

ELECTRICAL DRAWINGS

CLIENT : MINISTRY OF EDUCATION





ELECTRICAL LEGEND

	L01	4X18W FLUORESCENT LAMPS IN SURFACE MOUNT, LOUVRED LUMINAIRE
	L02	1X75W WEATHER PROOF LIGHT
	L03	1X60W INCANDESCENT LAMPS IN RECESSED DECORATIVE LUMINAIRE
	L04	2X36W FLUORESCENT LAMPS IN SURFACE MOUNT LUMINAIRE WITH DIFFUSER
	L05	1X26W COMPACT FLUORESCENT LAMPS IN SURFACE MOUNT DECORATIVE LUMINAIRE
	L06	1X60W INCANDESCENT LAMPS IN SURFACE MOUNT WEATHER PROOF LUMINAIRE

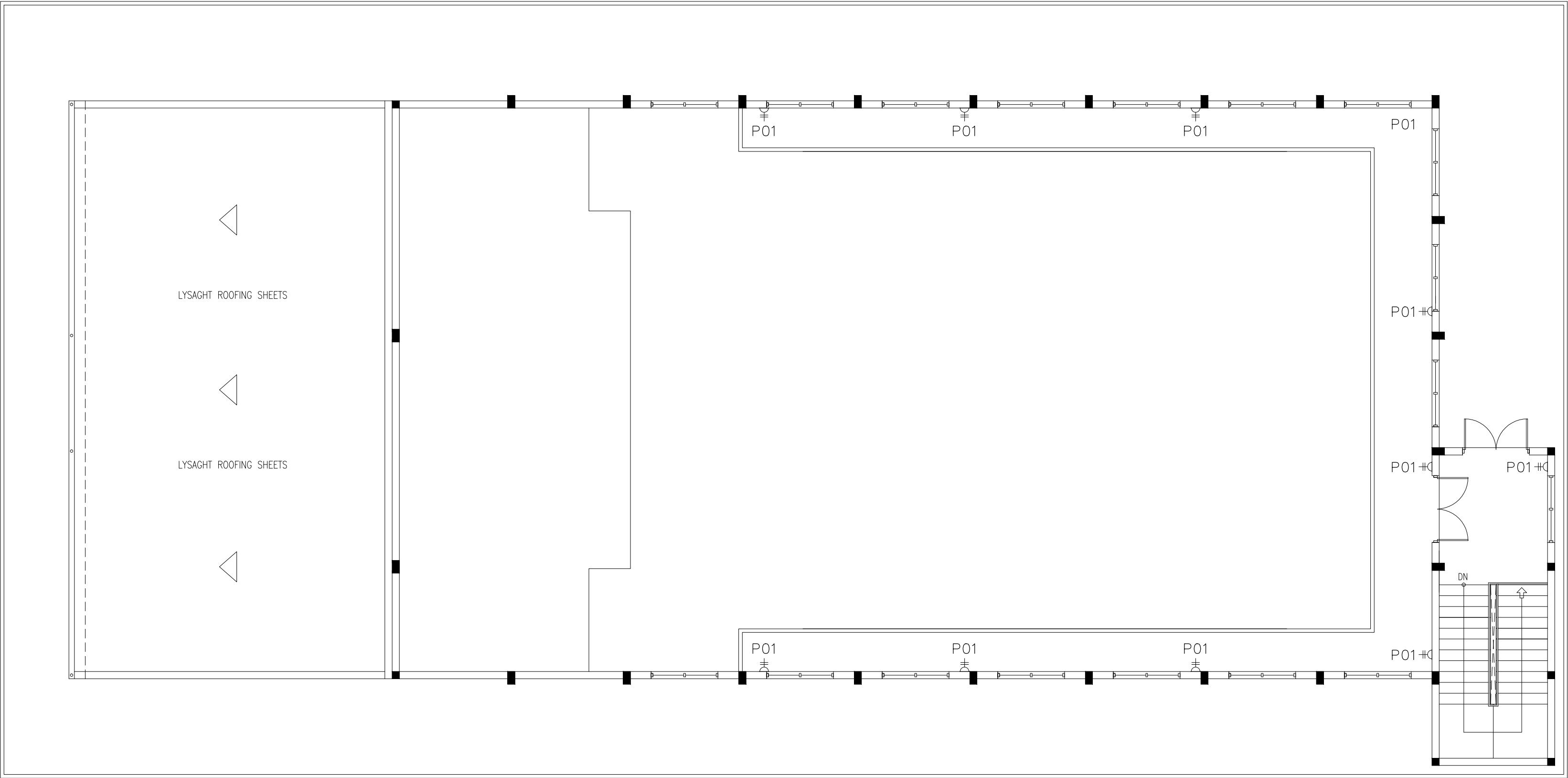
	P01	1GANG 1 WAY SWITCH
	P02	2GANG 1 WAY SWITCH
	P03	3GANG 1 WAY SWITCH
	P04	4GANG 1 WAY SWITCH
	P05	5GANG 1 WAY SWITCH
	P06	DISTRIBUTION BOARD

GROUND FLOOR LIGHTING LAYOUT PLAN
SCALE 1:100

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



REVISION:	ARCHITECT:	MOHAMED HAMEEN	PROJECT:	L'MAAVASHU SCHOOL HALL			E-01		
	ENGINEER:	MOHAMED AHSAN	LOCATION:					DWG NO	
	PRELIM. ENG:		DRAWING TITLE:	AS GIVEN					
	ESTIMATOR:		CLIENT:	MINISTRY OF EDUCATION					
	DRAWN BY:	ASFAN AHMED	SCALE:	AS GIVEN	DIMENSION:	MM			DATE:
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ELECTRICAL LEGEND

	P01	2 GANG13A SOCKET OUTLET AT 300mm ABOVE FINISHED FLOOR LEVEL
	P02	1 GANG13A SOCKET OUTLET CEILING CONCEALED
	P03	2 GANG13A SOCKET OUTLET AT 1200mm ABOVE FINISHED FLOOR LEVEL
	P05	DISTRIBUTION BOARD
	P06	PANEL BOARD

	T01	PLAIN TELEPHONE OUTLET (RJ11, CONNECTOR)
	T02	T.V. POINT
	T03	SPEAKER
	T04	COMPUTER NETWORK OUTLET (RJ 45 CONNECTORS)
	T05	MULTIMEDIA PROJECTOR
	T06	SECURITY CAMERA(NIGHT VISION IP CAMERAS)

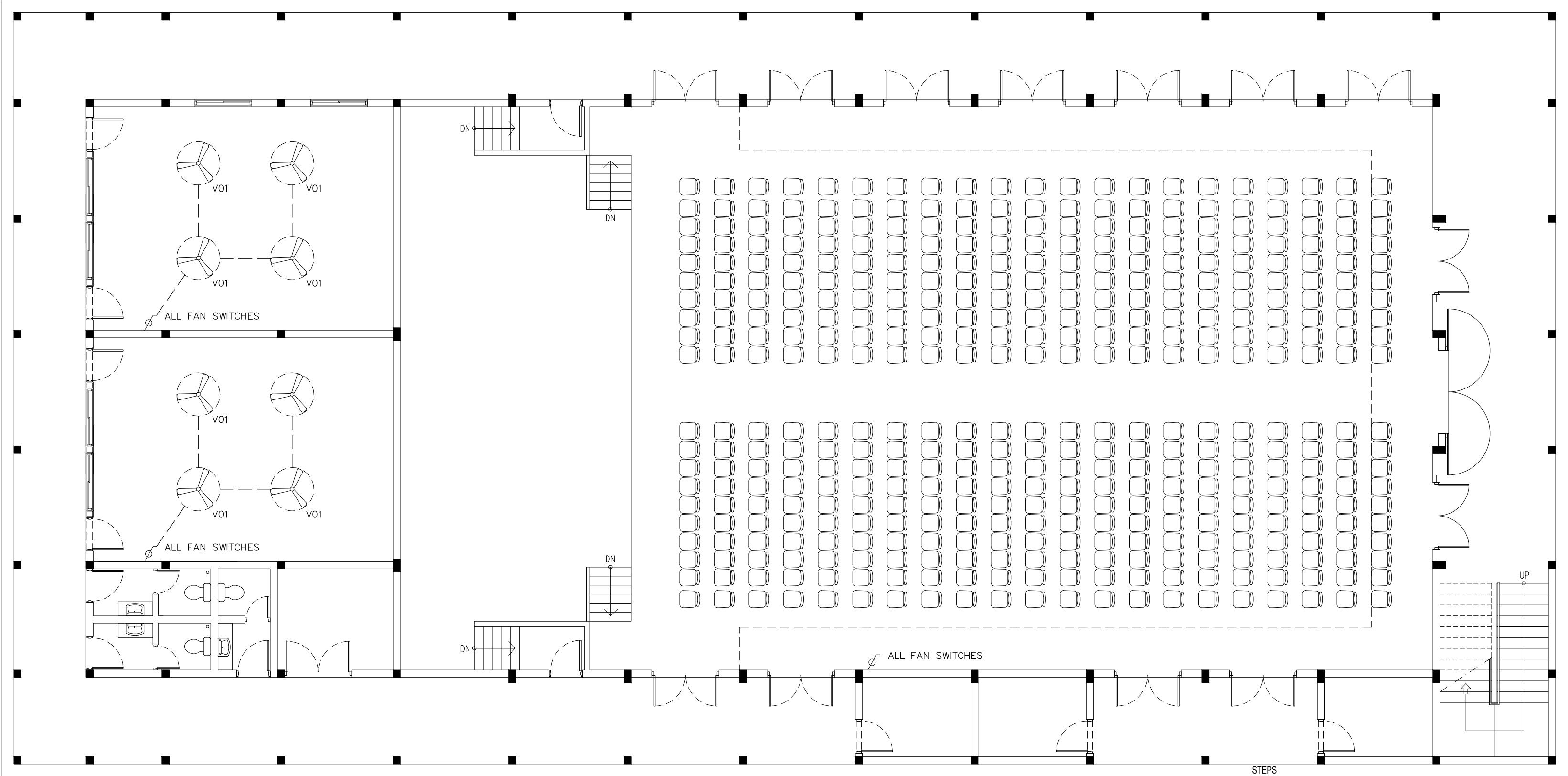
1ST FLOOR LAYOUT PLAN
SCALE 1:100

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REVISION:	ARCHITECT: MOHAMED HAMEEN	PROJECT: LMAAVASHU SCHOOL HALL	E-04
	ENGINEER: MOHAMED AHSAN	LOCATION:	
	PRELIM. ENG:	DRAWING TITLE: AS GIVEN	
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ELECTRICAL LEGEND

	V01	DIA. 1500 CEILING FAN
	V02	AIR-CONDITIONING OUTDOOR UNIT WALL MOUNTED
	V03	AIR-CONDITIONING INDOOR UNIT WALL MOUNTED
	P06	1 GANG15A SOCKET OUTLET AT CEILING LEVEL
	V04	DIA. 300 EXHAUST FAN

	P01	1GANG 1 WAY SWITCH
	P02	2GANG 1 WAY SWITCH
	P03	3GANG 1 WAY SWITCH
	P04	4GANG 1 WAY SWITCH
	P23	FAN / LIGHT DIMMER SWITCH

GROUND FLOOR LAYOUT PLAN
SCALE 1:100

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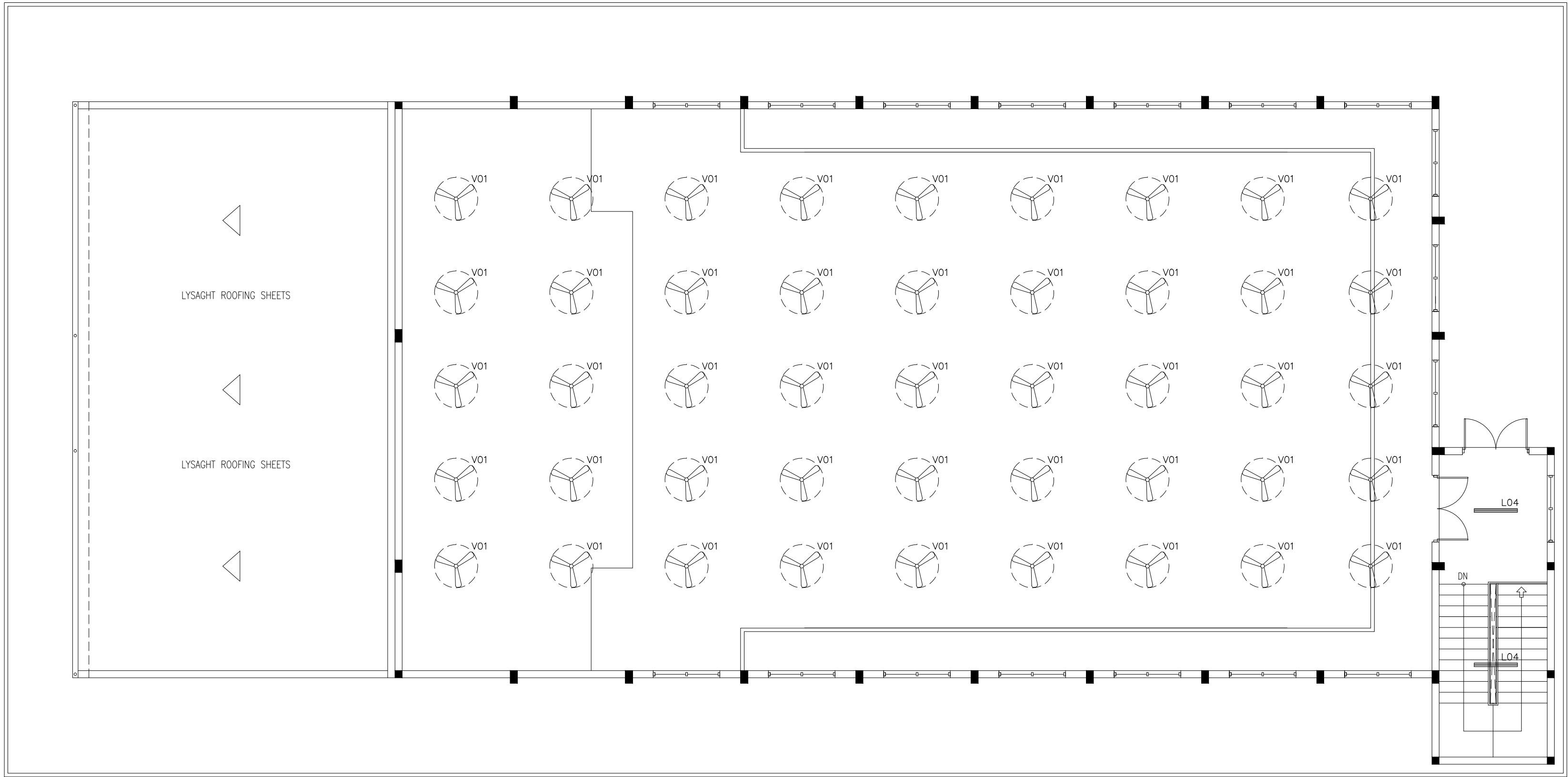
REVISION:	ARCHITECT: MOHAMED HAMEEN
	ENGINEER: MOHAMED AHSAN
	PRELIM. ENG:
	ESTIMATOR:
	DRAWN BY: ASFAN AHMED

PROJECT: LMAAVASHU SCHOOL HALL
LOCATION:
DRAWING TITLE: AS GIVEN
CLIENT: MINISTRY OF EDUCATION
SCALE: AS GIVEN
DIMENSION: MM
DATE: JUNE 2015

E-05

DWG NO
PROJECT NO.: 15-041

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ELECTRICAL LEGEND

	V01	DIA. 1500 CEILING FAN
	V02	AIR-CONDITIONING OUTDOOR UNIT WALL MOUNTED
	V03	AIR-CONDITIONING INDOOR UNIT WALL MOUNTED
	P06	1 GANG15A SOCKET OUTLET AT CEILING LEVEL
	V04	DIA. 300 EXHAUST FAN

	P01	1GANG 1 WAY SWITCH
	P02	2GANG 1 WAY SWITCH
	P03	3GANG 1 WAY SWITCH
	P04	4GANG 1 WAY SWITCH

1ST 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
PRELIM. ENG:	
ESTIMATOR:	
DRAWN BY:	ASFAN AHMED

PROJECT:	LMAAVASHU SCHOOL HALL
LOCATION:	
DRAWING TITLE:	AS GIVEN
CLIENT:	MINISTRY OF EDUCATION
SCALE:	AS GIVEN
DIMENSION:	MM
DATE:	JUNE 2015

E-06

DWG NO
PROJECT NO.: 15-041

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PROPOSED 01 CLASSROOM 01 STAFF ROOM 1 HALL BLOCK

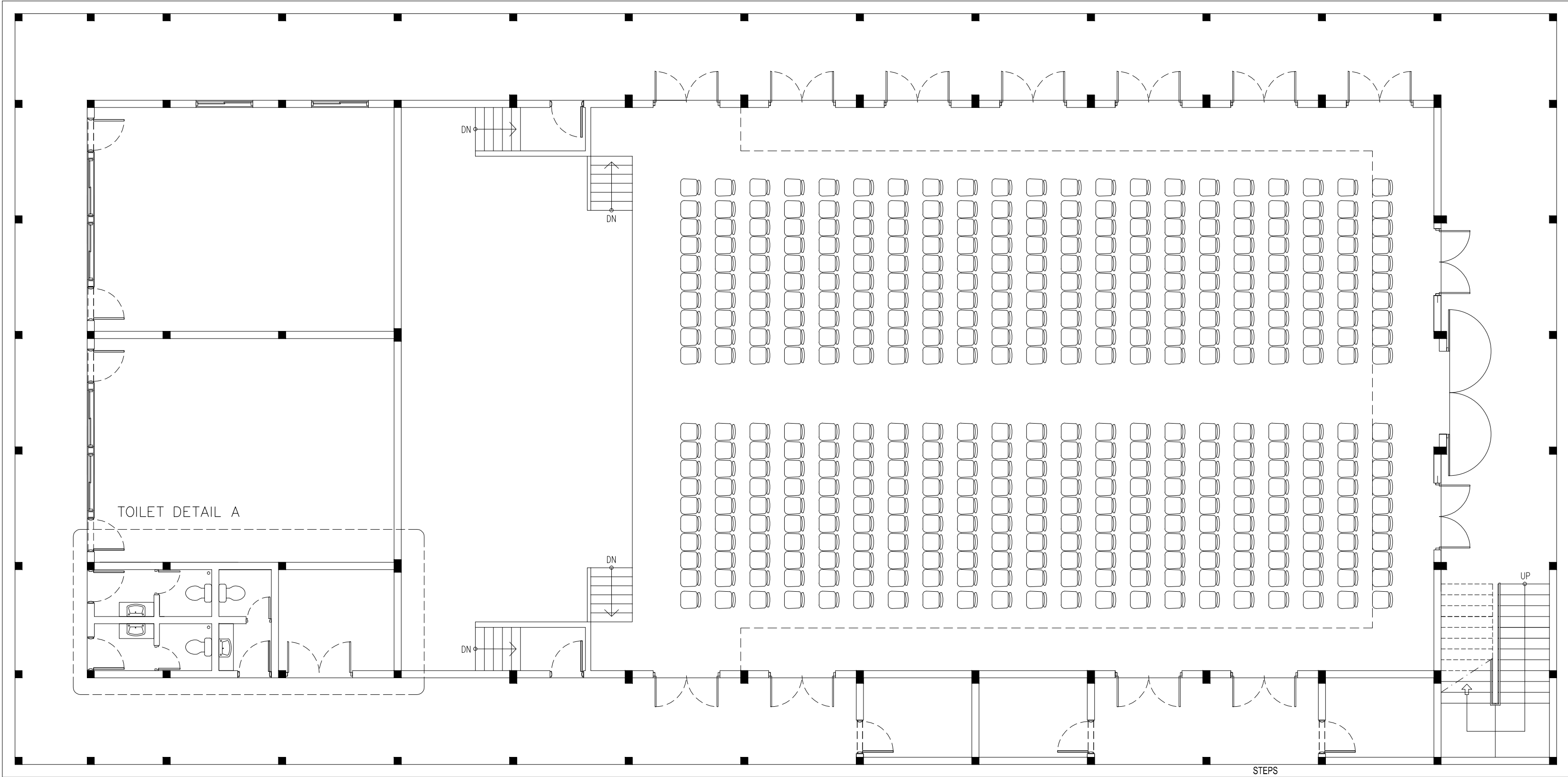
Laamu Maavashu School Hall

(2 STOREY)

PLUMBING DRAWINGS

CLIENT : MINISTRY OF EDUCATION





WATER SUPPLY

LEGEND	
SYMBOL	DESCRIPTION
→x	TAP
→▷	MUSLIM SHOWER
⋈	ISOLATING VALVE
---	GROUND WATER SUPPLY (ø12-ø35)

- NOTE:
- GROUND WATER FOR WC
 - GROUND WATER TAP NEAR WC (MUSLIM SHOWER)
 - GROUND WATER FOR SHOWER HEAD
 - GROUND WATER FOR WASH BASIN
 - ALL THE CONNECTIONS SHOULD BE DONE THROUGH GATE VALVES
 - MWSC WATER TO BE PROVIDED TO ALL KITCHENS SINKS

SEWAGE

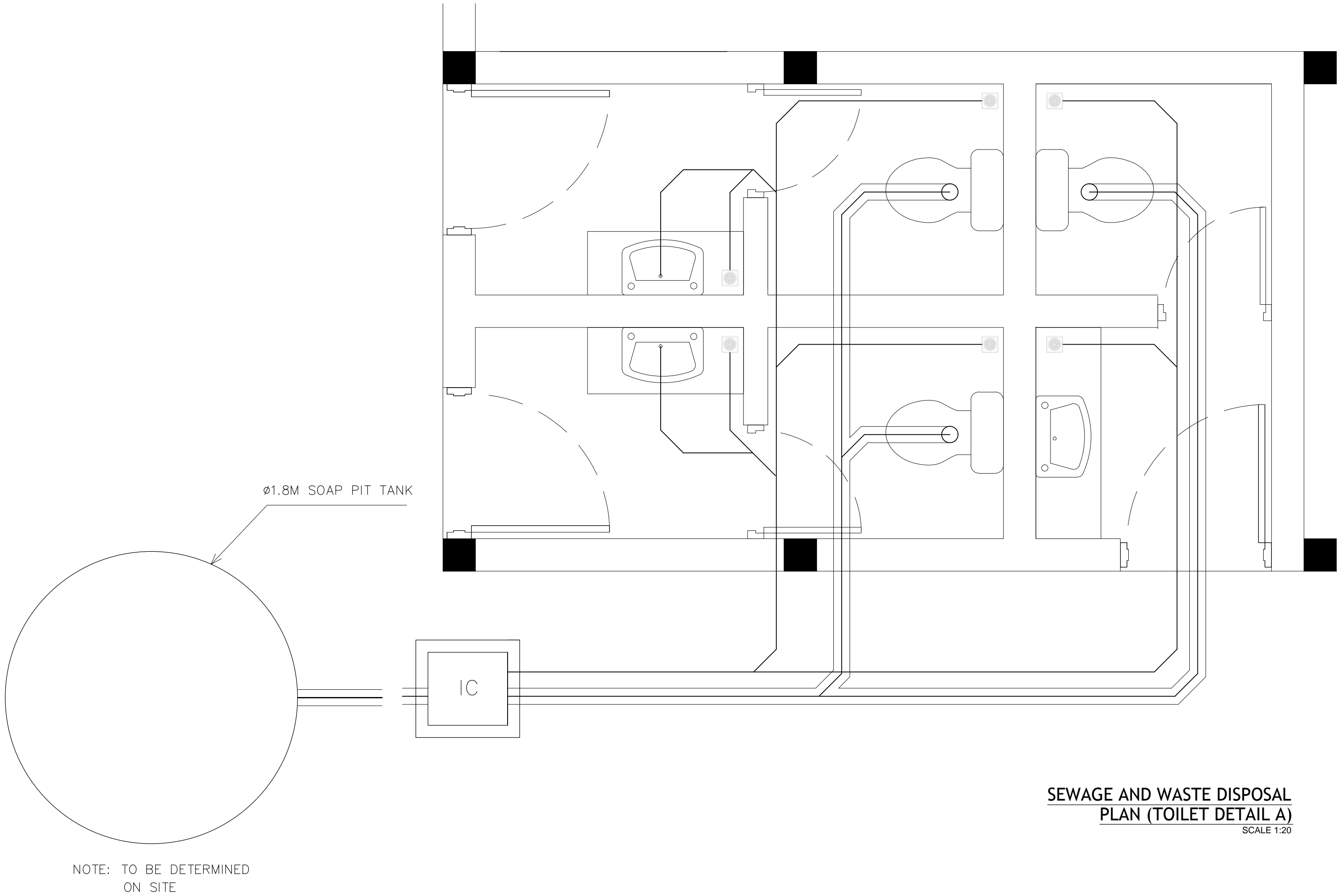
LEGEND	
SYMBOL	DESCRIPTION
IC	INSPECTION CHAMBER
⊗	FLOOR DRAIN
---	UPVC HIGH PRESSURE WASTE WATER PIPE(ø75-ø100)
====	SEWAGE DISPOSAL (ø100-ø150)
U	P TRAP

PLUMBING LAYOUT KEY PLAN
SCALE 1:100

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DIMENSIONS TO TAKE
PRECEDENCE OVER
SCALE READINGS

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SEWAGE AND WASTE DISPOSAL
PLAN (TOILET DETAIL A)
SCALE 1:20

NOTE: TO BE DETERMINED
ON SITE

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

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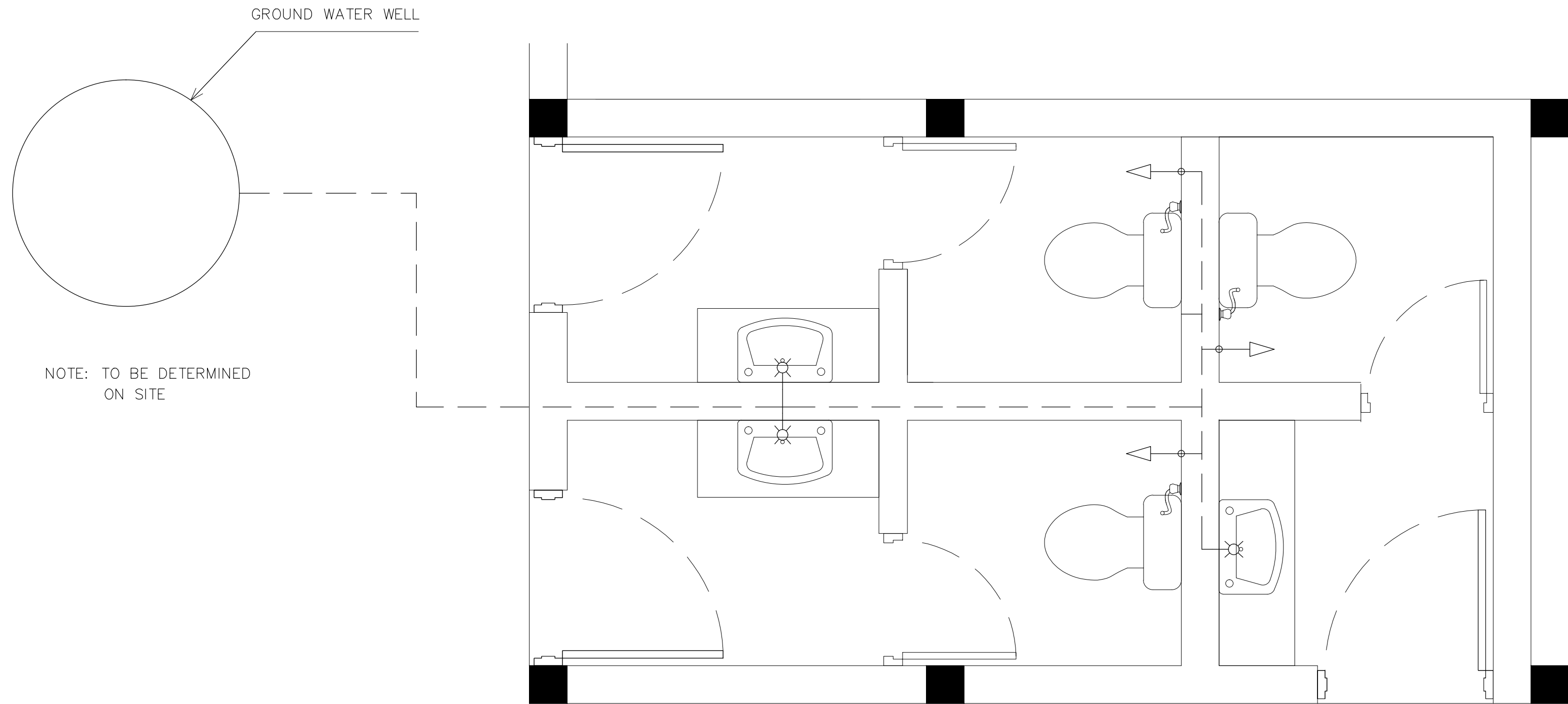
REVISION:

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

PROJECT: LMAAVASHU SCHOOL HALL
LOCATION:
DRAWING TITLE: AS GIVEN
CLIENT: MINISTRY OF EDUCATION
SCALE: AS GIVEN DIMENSION: MM DATE: JUNE 2015
PROJECT NO.: 15-041

P-02

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GROUND WATER SUPPLY PLAN
(TOILET DETAIL A)
SCALE 1:20

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



REVISION:	

ARCHITECT:	MOHAMED HAMEEN
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ESTIMATOR:	
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PROJECT:	LMAAVASHU SCHOOL HALL
LOCATION:	
DRAWING TITLE:	AS GIVEN
CLIENT:	MINISTRY OF EDUCATION
SCALE:	AS GIVEN
DIMENSION:	MM
DATE:	JUNE 2015
PROJECT NO.:	15-041

PROPOSED 01 CLASSROOM 01 STAFF ROOM 1 HALL BLOCK

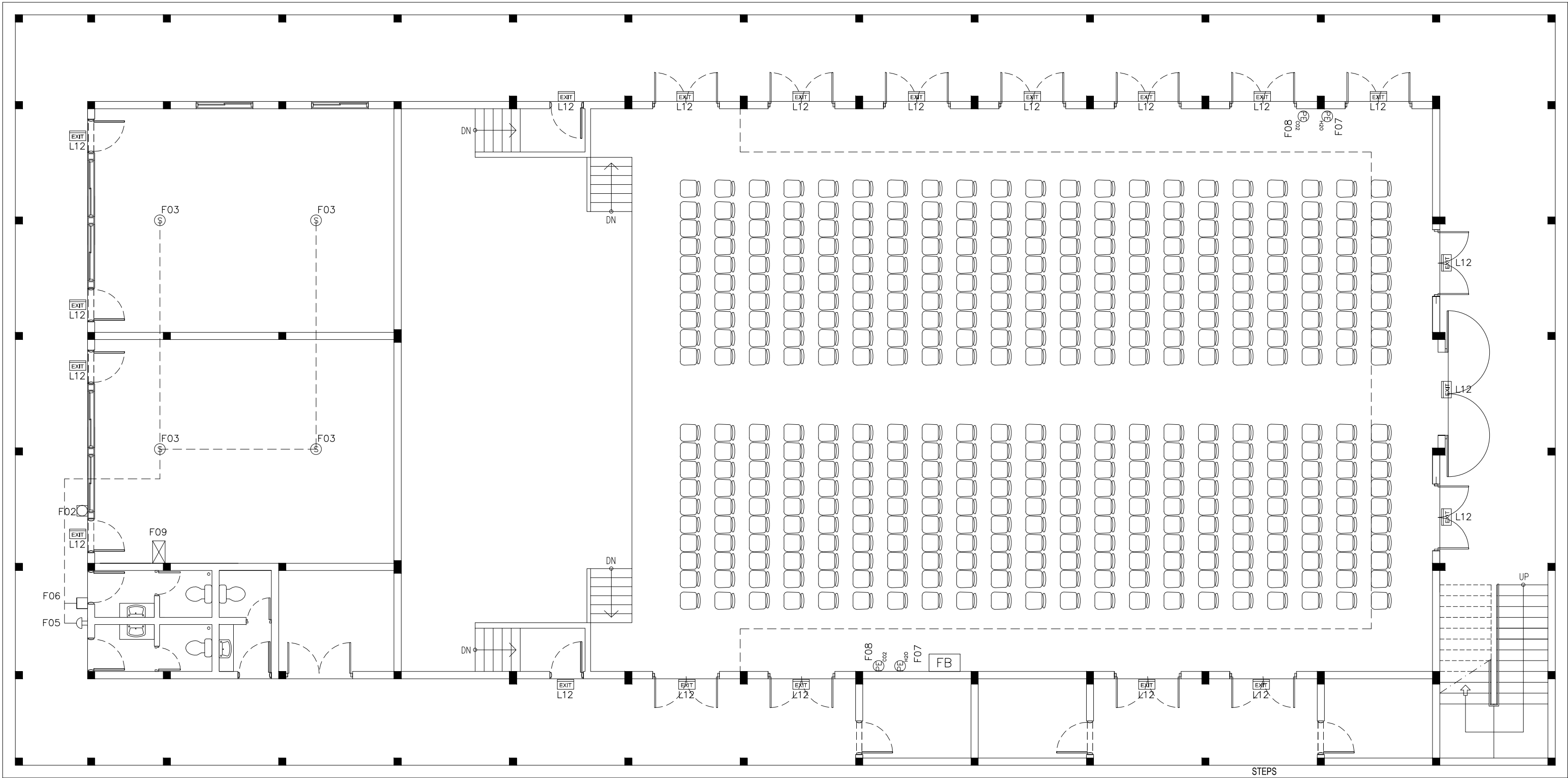
Laamu Maavashu School Hall

(2 STOREY)

FIRE SAFETY DRAWINGS

CLIENT : MINISTRY OF EDUCATION





LEGEND

SYMBOL	CODE	DESCRIPTION
	F00	FIRE BLANKET
	F02	BREAK GLASS MANUAL CALL POINT
	F03	SMOKE DETECTOR
	F05	FIRE ALARM BELL
	F06	JUNCTION BOX
	F09	FIRE MAIN CONTROL PANEL

LEGEND

SYMBOL	CODE	DESCRIPTION
	F07	PORTABLE EXTINGUISHER (H2O)
	F08	PORTABLE EXTINGUISHER (CO2)
	L12	EXIT SIGN

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

GROUND FLOOR SAFETY PLAN
SCALE 1:100

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

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REVISION:	

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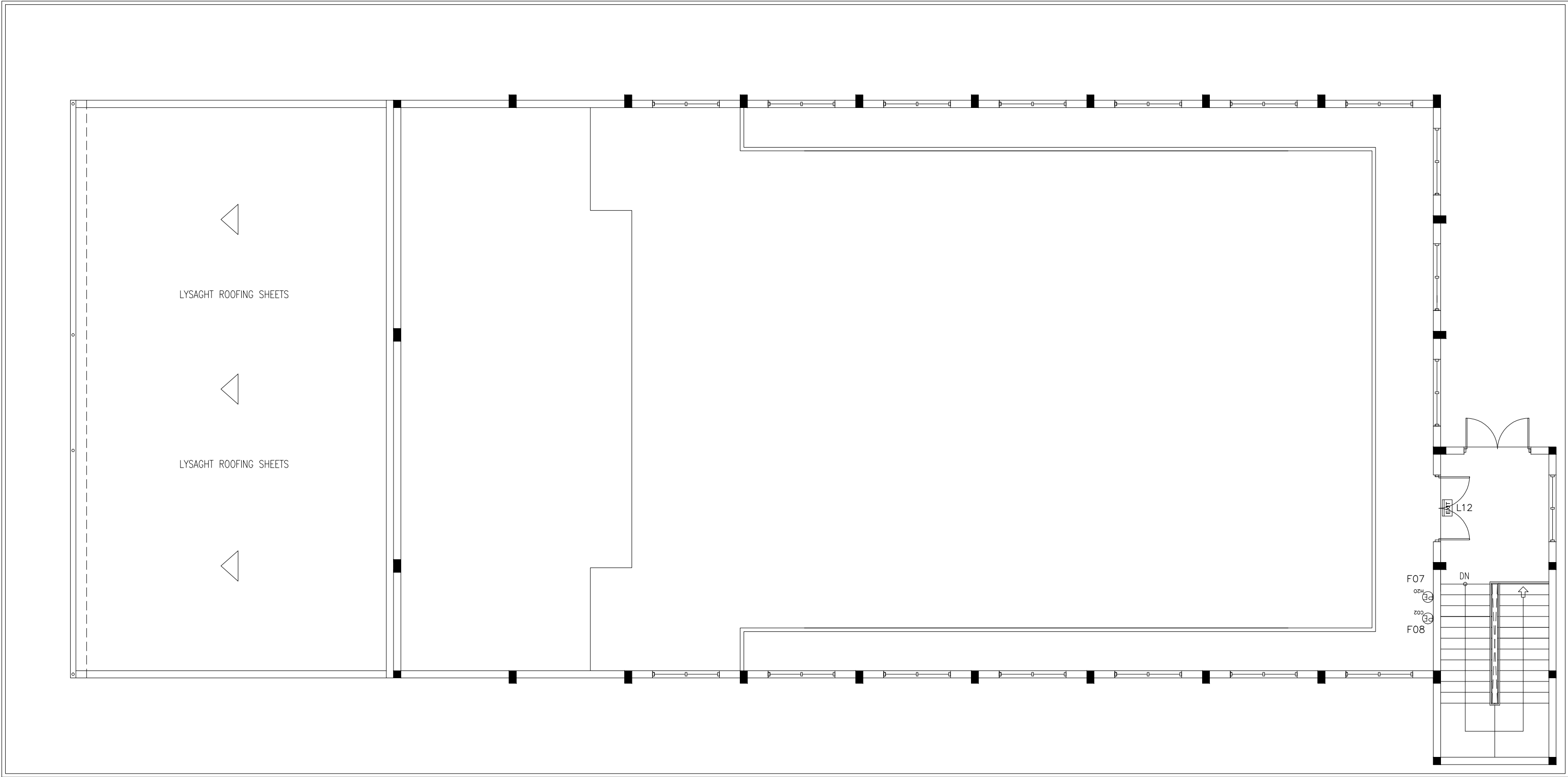
PROJECT:	L.M.A.V.A.S.H.U. SCHOOL HALL
LOCATION:	
DRAWING TITLE:	AS GIVEN
CLIENT:	MINISTRY OF EDUCATION
SCALE:	AS GIVEN
DIMENSION:	MM
DATE:	JUNE 2015

F-01

DWG NO

PROJECT NO.: 15-041

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LEGEND

SYMBOL	CODE	DESCRIPTION
	F00	FIRE BLANKET
	F02	BREAK GLASS MANUAL CALL POINT
	F03	SMOKE DETECTOR
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LEGEND

SYMBOL	CODE	DESCRIPTION
	F07	PORTABLE EXTINGUISHER (H2O)
	F08	PORTABLE EXTINGUISHER (CO2)
	L12	EXIT SIGN

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

1ST FLOOR FIRE SAFETY 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: LMAAVASHU SCHOOL HALL	F-02
	ENGINEER: MOHAMED AHSAN	LOCATION:	
	PRELIM. ENG:	DRAWING TITLE: AS GIVEN	
	ESTIMATOR:	CLIENT: MINISTRY OF EDUCATION	
	DRAWN BY: ASFAN AHMED	SCALE: AS GIVEN DIMENSION: MM DATE: JUNE 2015 PROJECT NO.: 15-041	

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