

**CONSULTANCY FOR ARCHITECTURAL FIRM FOR THE DESIGNING  
AND PREPARATION OF DETAILED DRAWINGS, BOQS AND THE  
SUPERVISION OF THE REFURBISHMENTS OF POLYTECHNICS  
MALDIVES POLYTECHNIC, GA.VILLINGILI CAMPUS  
ARCHITECTURAL, STRUCTURAL & SERVICES DRAWINGS**

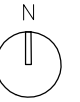
**SEPTEMBER 2021**

CONTRACT NO: MEERY/2021/GS-016

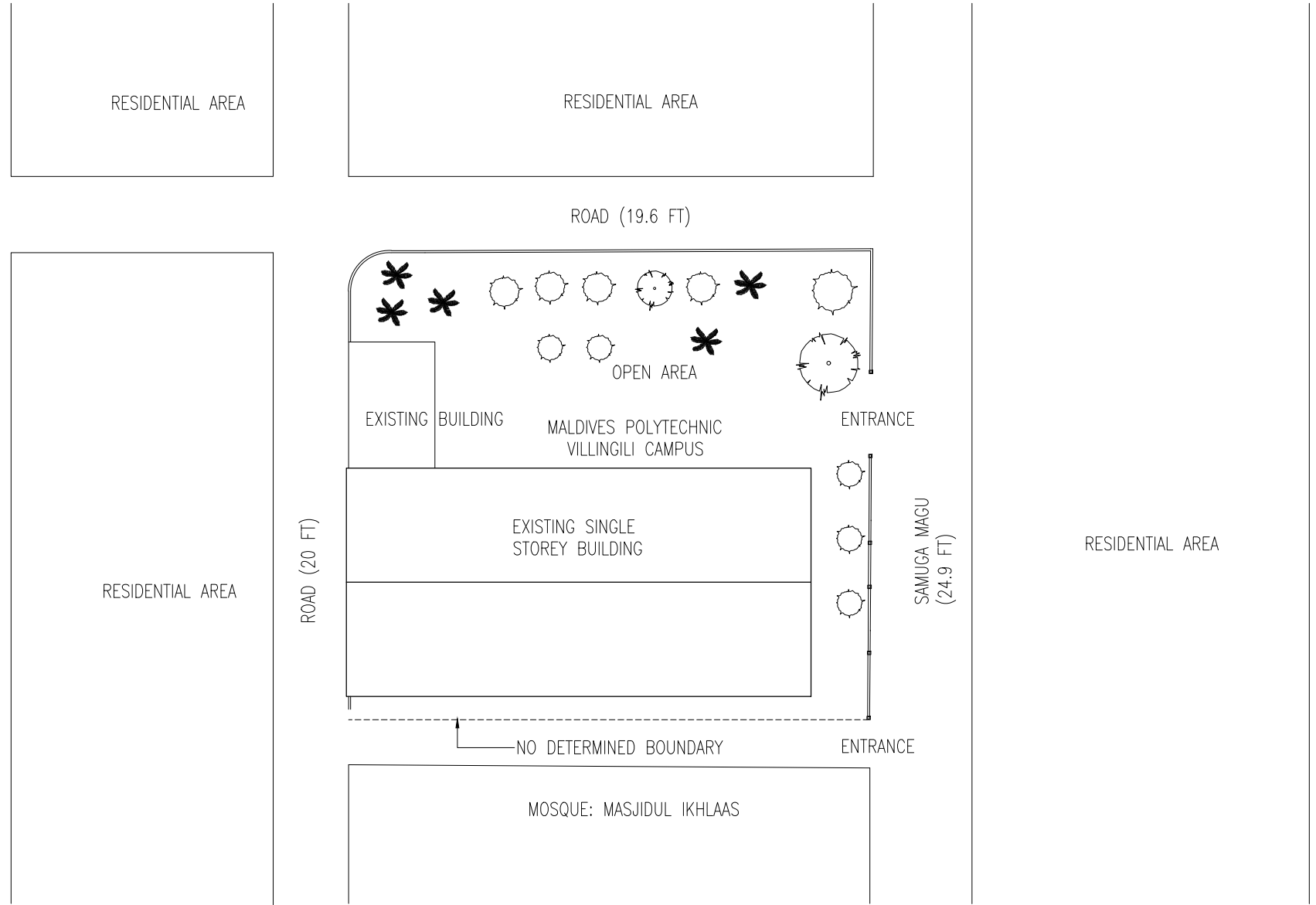
CLIENT : MINISTRY OF HIGHER EDUCATION

DESIGN BY

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



MALDIVES POLYTECHNIC  
GA.VILLINGILI CAMPUS



SOURCE: GA. VILLINGILI  
LANDUSE PLAN, MINISTRY  
OF NATIONAL PLANNING  
AND INFRASTRUCTURE

**GA.VILLINGILI ISLAND MAP**  
N.T.S

**LOCATION PLAN**  
N.T.S

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

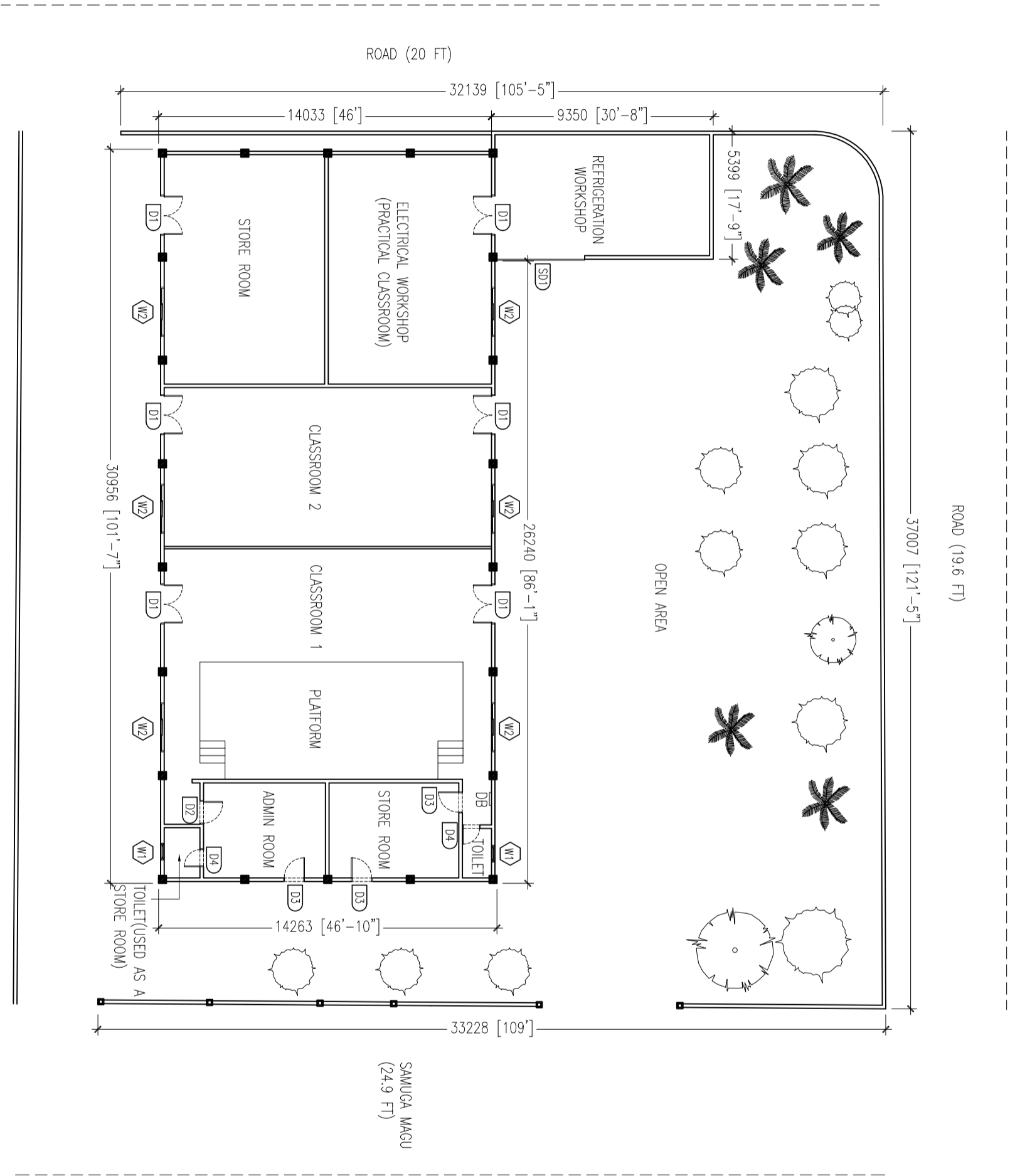
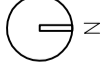


REVISION:	ARCHITECT:	PROJECT:	MALDIVES POLYTECHNIC, GA.VILLINGILI CAMPUS
	ENGINEER:	LOCATION:	GA.VILLINGILI
	ARCHITECTURAL CHECKER:	DRAWING TITLE:	AS GIVEN
	STRUCTURAL CHECKER:	CLIENT:	MINISTRY OF HIGHER EDUCATION
	DRAWN BY:	SCALE:	AS GIVEN
		DIMENSION:	MM
		DATE:	SEPTEMBER 2021
		PROJECT NO:	21-001

**A-01**

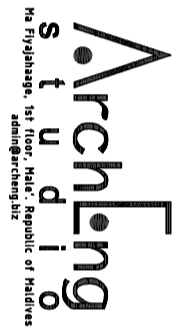
DWG NO

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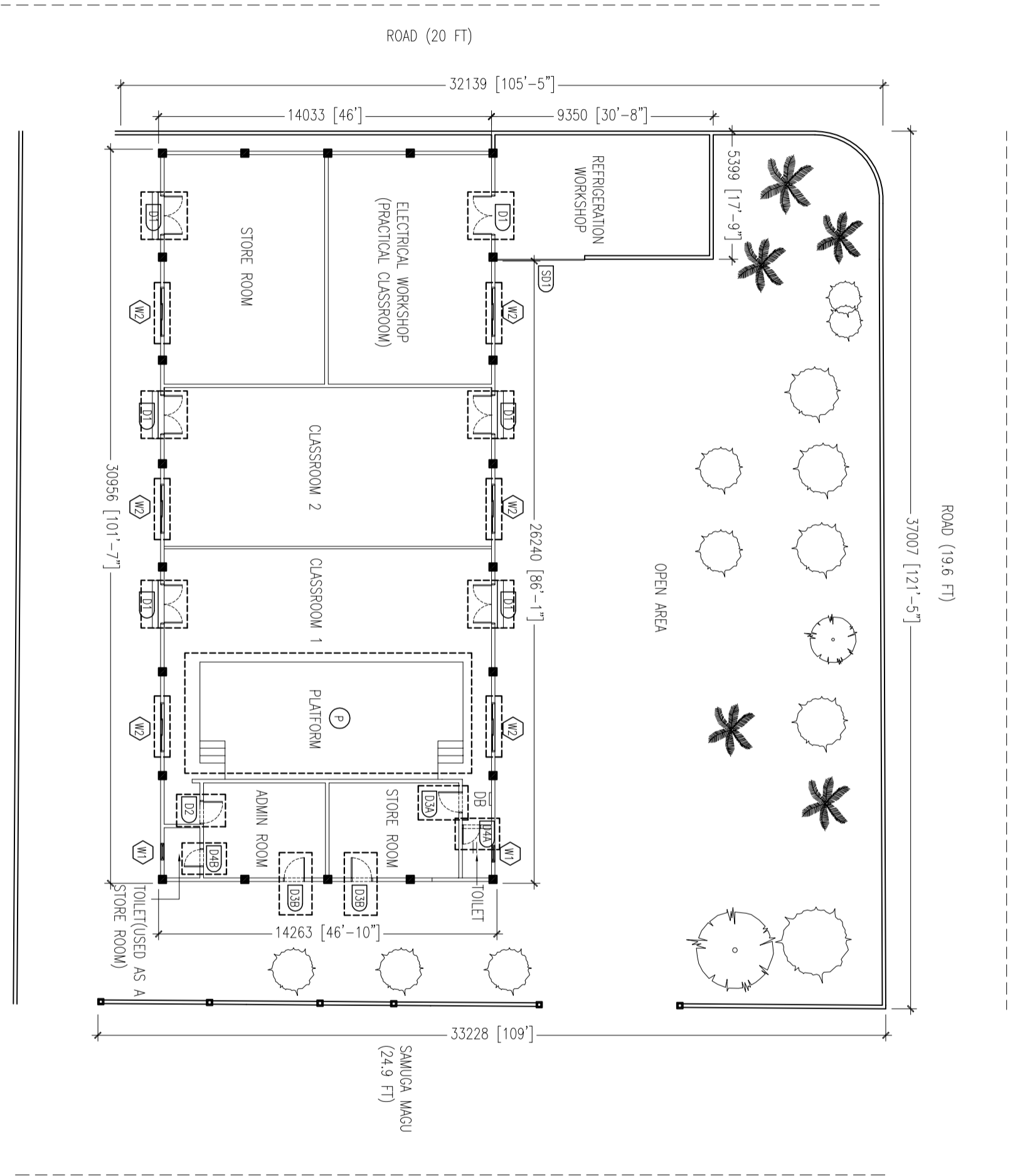
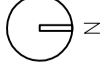
**GROUND FLOOR PLAN - EXISTING PLAN**  
SCALE 1:200

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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	ENGINEER:	LOCATION:	GA.VILLINGILI
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		DATE:	SEPTEMBER 2021
		PROJECT NO.:	21-001
		DWG NO.:	<b>A-02</b>

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- LEGEND
- (P) PLATFORM TO BE DEMOLISHED
  - (D1) DOOR-1 TO BE REPLACED WITH NEW DOOR
  - (D2) DOOR-2 TO BE REPLACED WITH NEW DOOR
  - (D3A) DOOR-3A TO BE REMOVED
  - (D3B) DOOR-3B TO BE REPLACED WITH NEW DOOR
  - (D4B) DOOR-4B TO BE REPLACED WITH NEW DOOR
  - (W2) WINDOW-2 TO BE REPLACED WITH NEW WINDOW

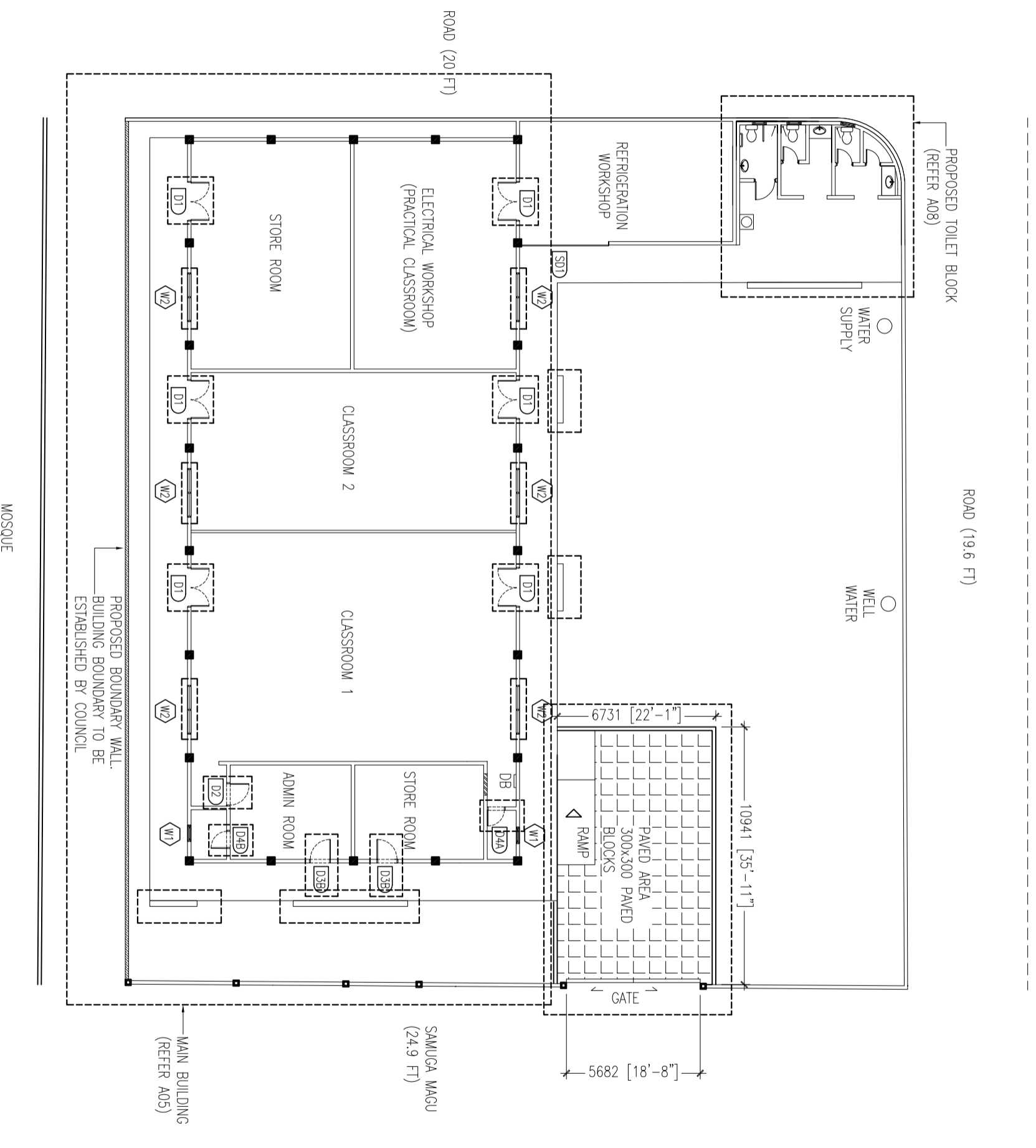
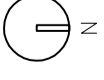
**GROUND FLOOR PLAN - DEMOLITION PLAN**  
SCALE 1:200

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	STRUCTURAL CHECKER:	CLIENT:	MINISTRY OF HIGHER EDUCATION
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		DWG NO.:	<b>A-03</b>

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### GROUND FLOOR PLAN - PROPOSED KEY PLAN

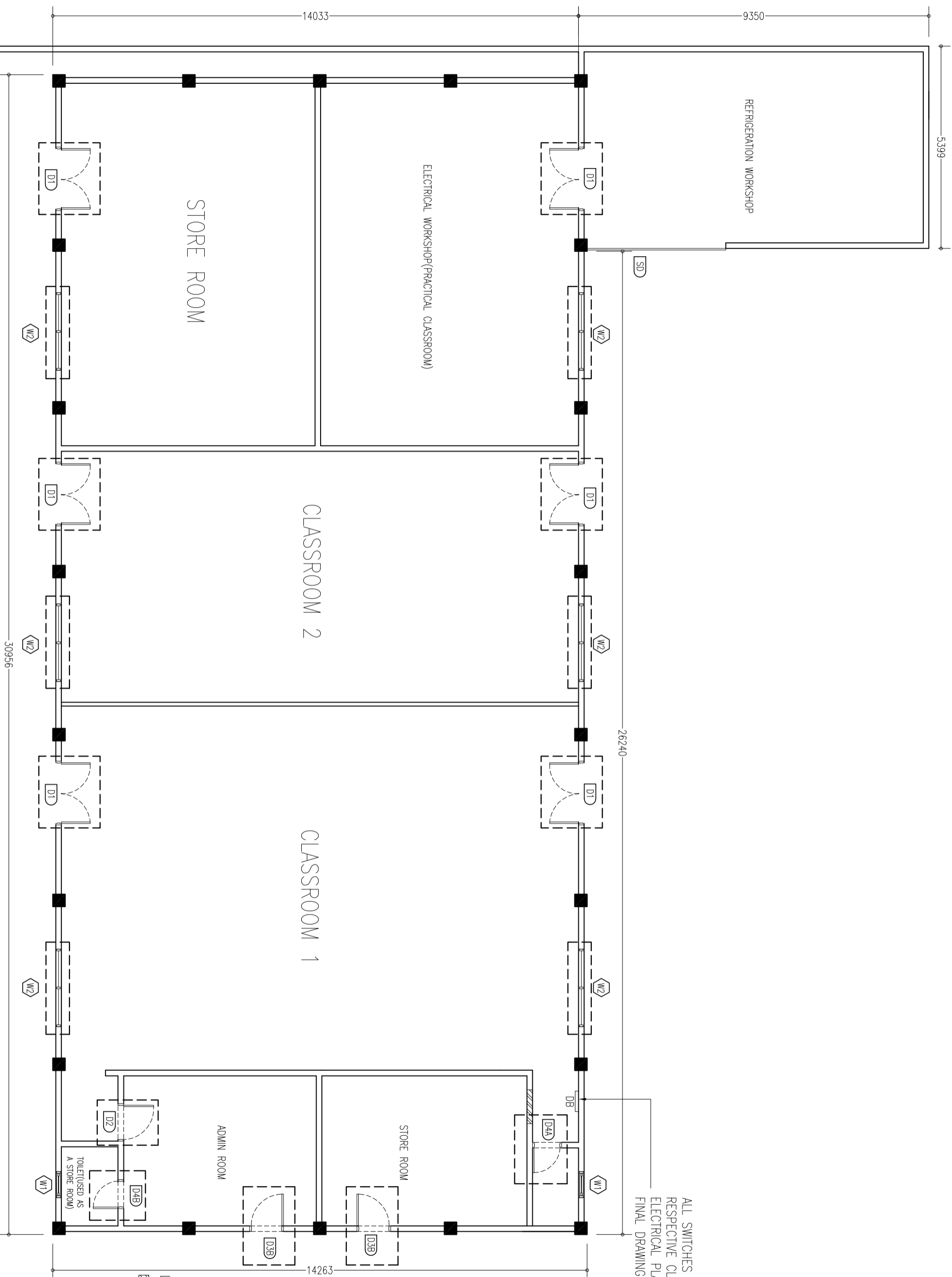
SCALE 1:200

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	ENGINEER:	LOCATION:	GAVILINGILU
	ARCHITECTURAL CHECKER:	DRAWING TITLE:	AS GIVEN
	STRUCTURAL CHECKER:	CLIENT:	MINISTRY OF HIGHER EDUCATION
	DRAWN BY:	SCALE:	AS GIVEN
		DRAWING NO:	MM
		DATE:	SEPTEMBER 2021
		PROJECT NO:	21-001
		DWG NO:	<b>A-04</b>

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ALL SWITCHES TO BE RELOCATED TO THE RESPECTIVE CLASSROOMS. NEW ELECTRICAL PLANS TO BE PROPOSED WITH FINAL DRAWINGS

- LEGEND
- WALL TO BE CONSTRUCTED
  - NEWLY ATTACHED DOOR
  - NEWLY ATTACHED DOOR
  - NEWLY ATTACHED DOOR
  - NEWLY ATTACHED DOOR
  - NEWLY ATTACHED WINDOW

### GROUND FLOOR - MAIN BUILDING

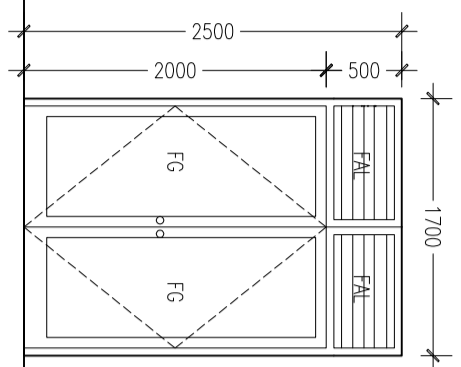
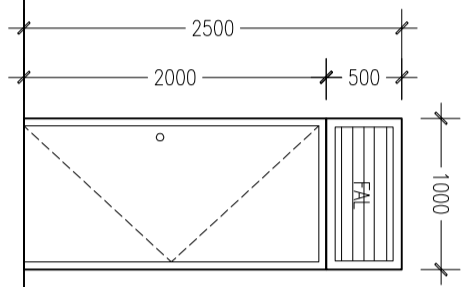
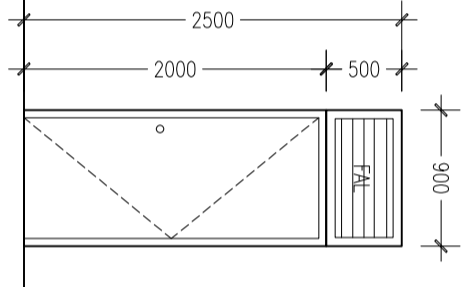
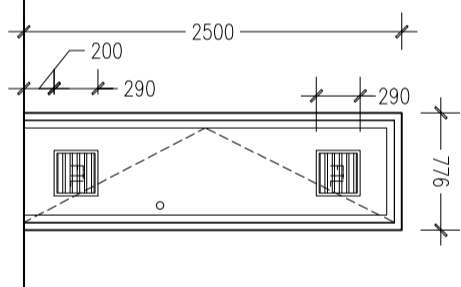
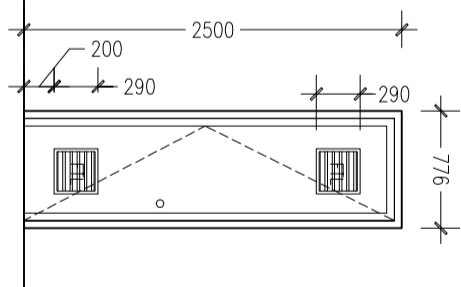
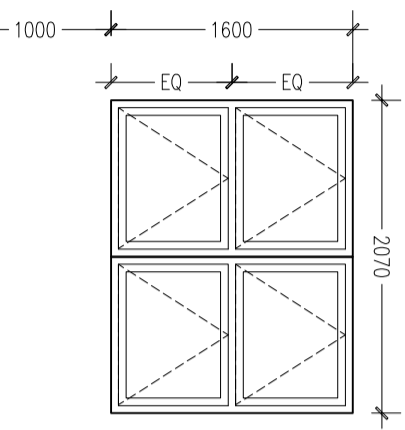
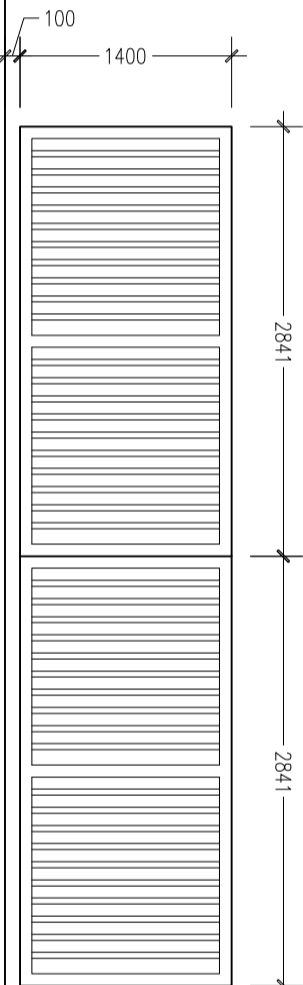
SCALE 1:100

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REVISION:	ARCHITECT:	PROJECT:	MALDIVES POLYTECHNIC, GAVILINGILU CAMPUS	DWG NO	<b>A-05</b>
	ENGINEER: MARIYAM SAMAH	LOCATION:	GAVILINGILU	PROJECT NO:	21-001
	ARCHITECTURAL CHECKER:	DRAWING TITLE:	AS GIVEN		
	STRUCTURAL CHECKER: HAMWA NISWA	CLIENT:	MINISTRY OF HIGHER EDUCATION		
	DRAWN BY:	SCALE:	AS GIVEN	DIMENSION:	MM
		DATE:	SEPTEMBER 2021		

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<p>ELEVATIONS :</p> <p>FINISH FLOOR LEVEL</p>					
<p>DR / WD NO.</p>	<p>D1</p>	<p>D2</p>	<p>D3B</p>	<p>D4A</p>	<p>D4B</p>
<p>DESCRIPTION :</p>	<p>40MM THICK OPENABLE ALUMINIUM DOOR PANEL</p>	<p>40MM THICK OPENABLE ALUMINIUM DOOR PANEL</p>	<p>40MM THICK OPENABLE ALUMINIUM DOOR PANEL</p>	<p>40MM THICK OPENABLE ALUMINIUM DOOR PANEL</p>	<p>40MM THICK OPENABLE ALUMINIUM DOOR PANEL</p>
<p>FRAME :</p>	<p>40 MICRON WHITE POWDER COATED ALUMINIUM FRAME</p>	<p>40 MICRON WHITE POWDER COATED ALUMINIUM FRAME</p>	<p>40 MICRON WHITE POWDER COATED ALUMINIUM FRAME</p>	<p>40 MICRON WHITE POWDER COATED ALUMINIUM FRAME</p>	<p>40 MICRON WHITE POWDER COATED ALUMINIUM FRAME</p>
<p>HARDWARE :</p>	<p>DOOR CLOSER CYLINDRICAL LOCK BUTT HINGE STOPPER HOLDER</p>	<p>DOOR CLOSER CYLINDRICAL LOCK BUTT HINGE STOPPER HOLDER</p>	<p>DOOR CLOSER CYLINDRICAL LOCK BUTT HINGE STOPPER HOLDER</p>	<p>DOOR CLOSER CYLINDRICAL LOCK BUTT HINGE STOPPER HOLDER</p>	<p>DOOR CLOSER CYLINDRICAL LOCK BUTT HINGE STOPPER HOLDER</p>
<p>GLAZING :</p>	<p>6MM THICK CLEAR GLASS</p>	<p>C-4MM</p>	<p>C-4MM</p>	<p>C-4MM</p>	<p>C-4MM</p>
<p>ELEVATIONS :</p> <p>FINISH FLOOR LEVEL</p>					
<p>DR / WD NO.</p>	<p>W2</p>				
<p>DESCRIPTION :</p>	<p>ALUMINIUM FRAMED TOP HUNG WINDOW PANELS</p>				
<p>FRAME :</p>	<p>80 MICRON WHITE POWDER COATED ALUMINIUM FRAME</p>				
<p>HARDWARE :</p>	<p>04 NOS. GLAZED TOP HUNG WINDOW PANELS 04 NO. LOCK</p>				
<p>GLAZING :</p>	<p>6MM THICK HEAT REFLECTIVE GLASS</p>				
<p>ENTRANCE GATE</p>					

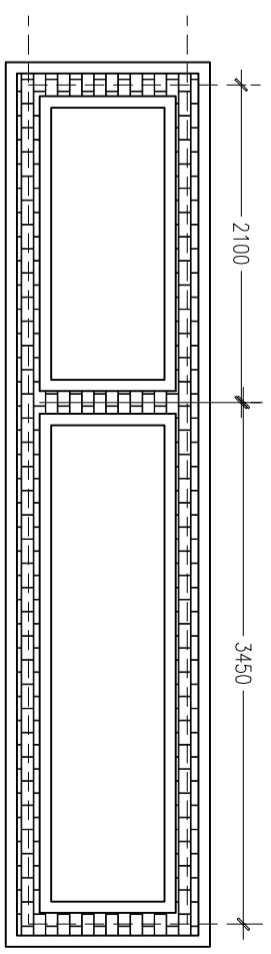
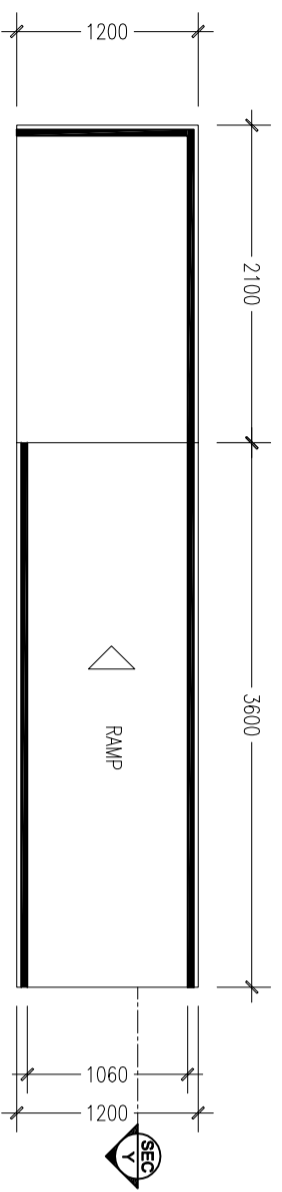
**PROPOSED DOOR/WINDOW SCHEDULE**  
SCALE 1:50

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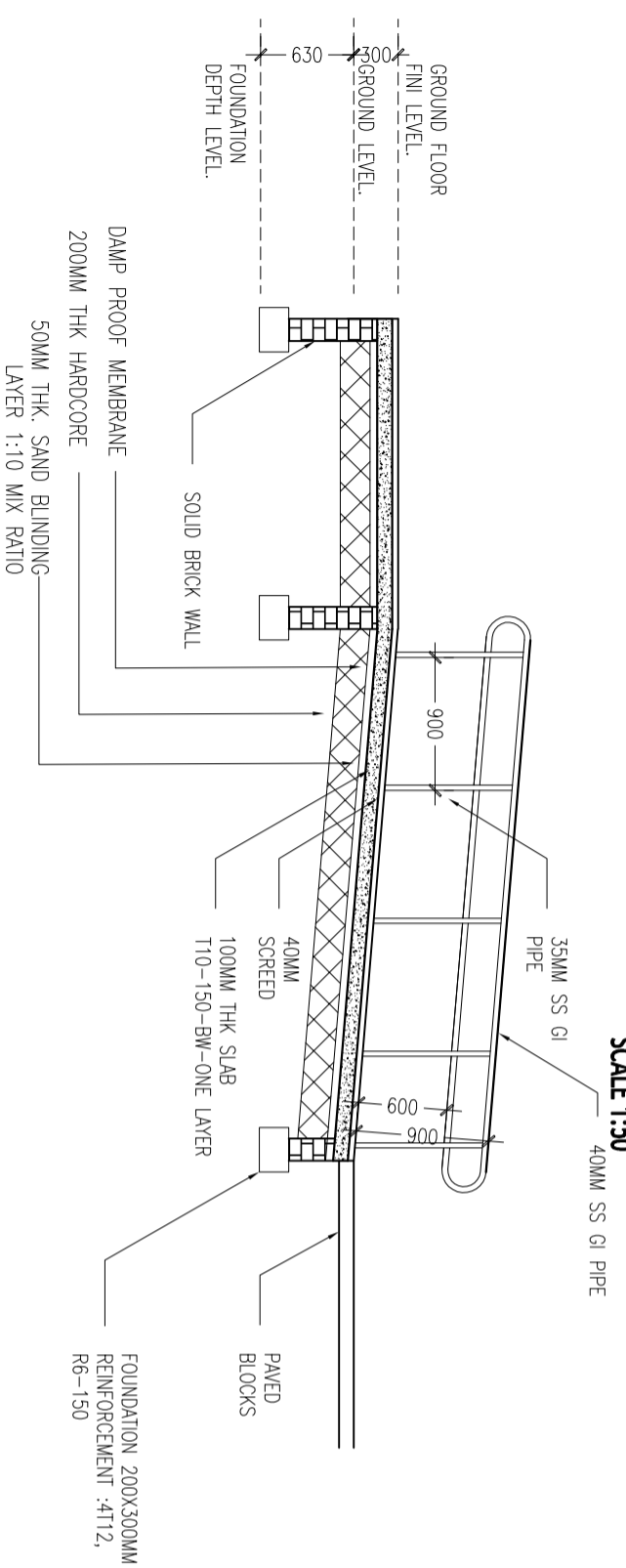
REVISION:	ARCHITECT:	PROJECT:	MALDIVES POLYTECHNIC, GAVILINGILI CAMPUS
	ENGINEER: MARIYAM SAMA	LOCATION:	GAVILINGILI
	ARCHITECTURAL CHECKER:	DRAWING TITLE:	AS GIVEN
	STRUCTURAL CHECKER:	CLIENT:	MINISTRY OF HIGHER EDUCATION
	DRAWN BY: HANNA NISVA	SCALE:	AS GIVEN
		DIMENSION:	MM
		DATE:	SEPTEMBER 2021
		PROJECT NO.:	21-001
		DWG NO.	<b>A-06</b>

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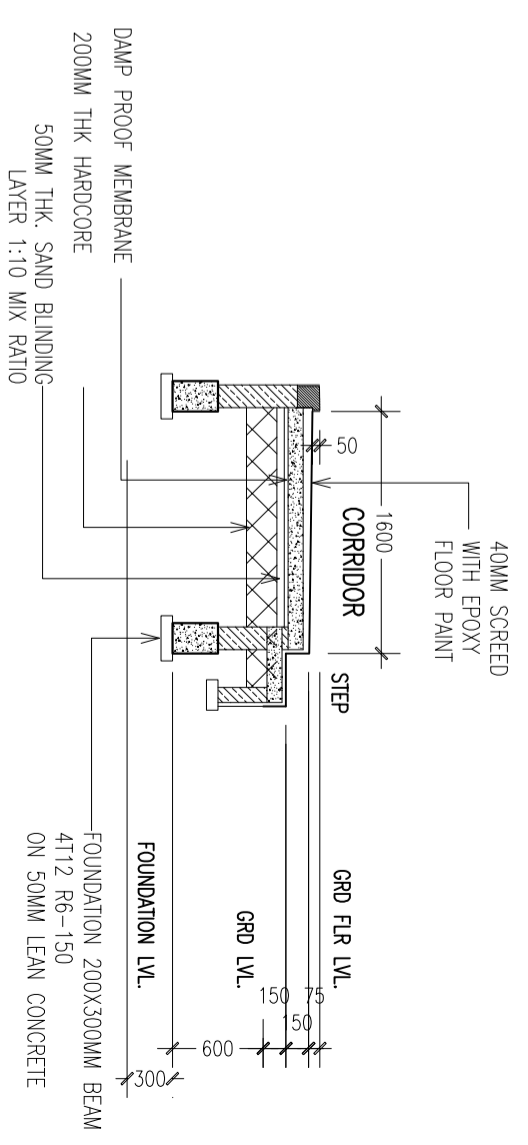
**PROPOSED RAMP**

SCALE 1:50



**PROPOSED RAMP DETAIL**

SCALE 1:50



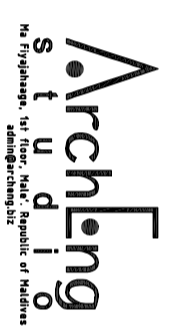
**PROPOSED RAMP - SECTION Y**

SCALE 1:50

**STAIR DETAIL**

SCALE 1:50

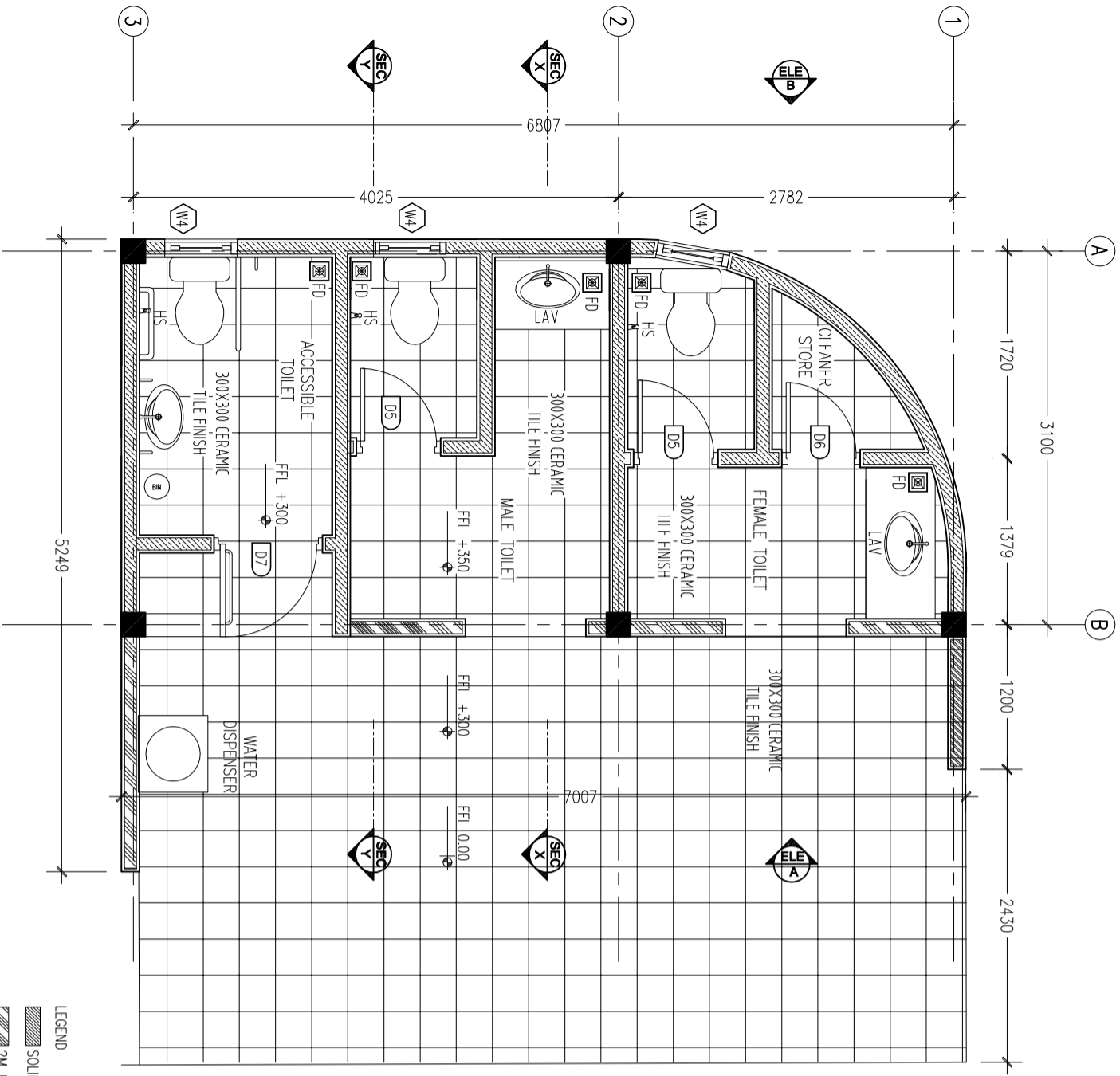
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REVISION:	ARCHITECT:	PROJECT:	MALDIVES POLYTECHNIC, GAVILINGILU CAMPUS
	ENGINEER: MARIYAM SUAAH	LOCATION:	GAVILINGILU
	ARCHITECTURAL CHECKER:	DRAWING TITLE:	AS GIVEN
	STRUCTURAL CHECKER:	CLIENT:	MINISTRY OF HIGHER EDUCATION
	DRAWN BY: HAWWA NISWA	SCALE: AS GIVEN	DIMENSION: MM
		DATE: SEPTEMBER 2021	
			PROJECT NO.: 21-001
			DWG NO
			<b>A-07</b>

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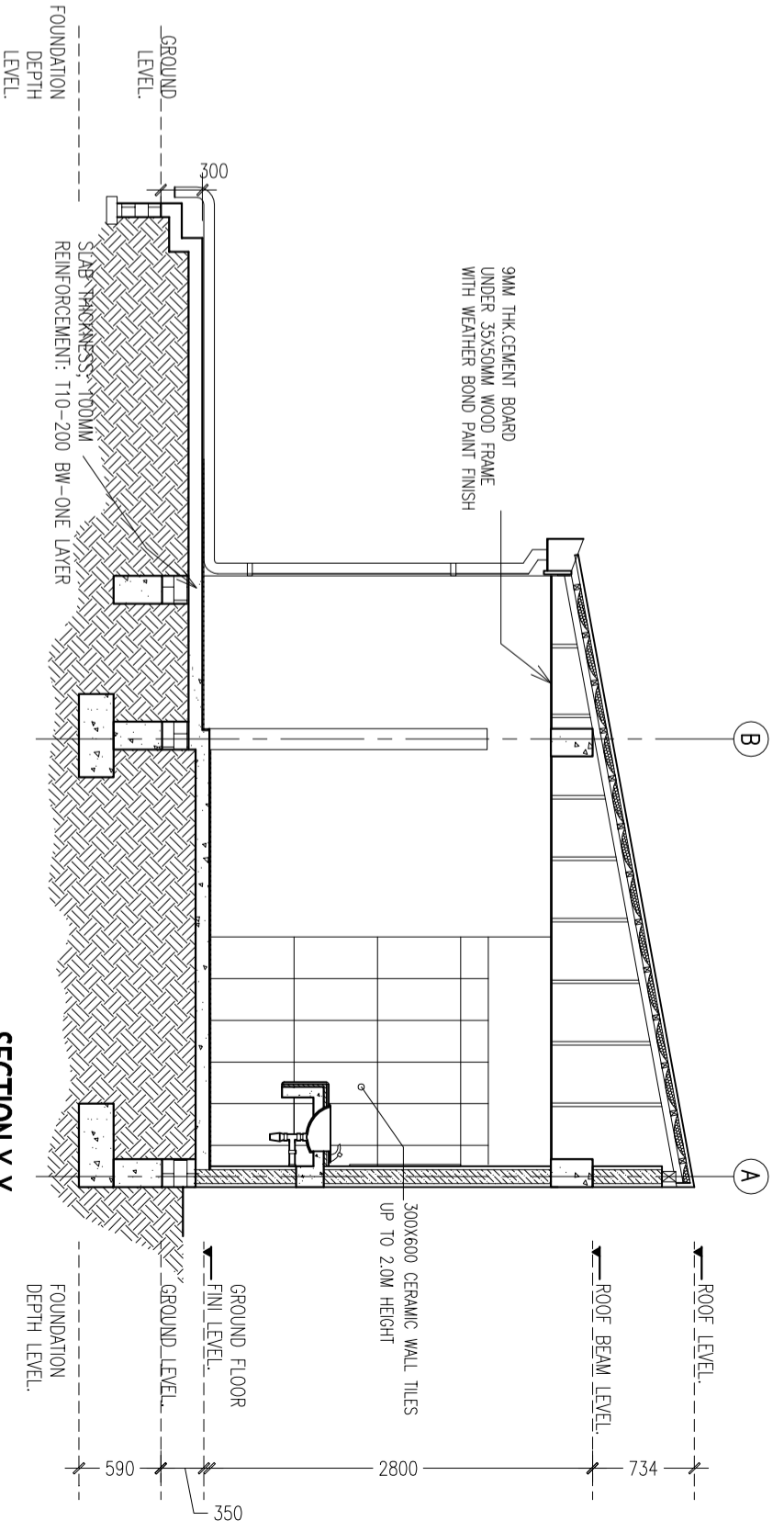




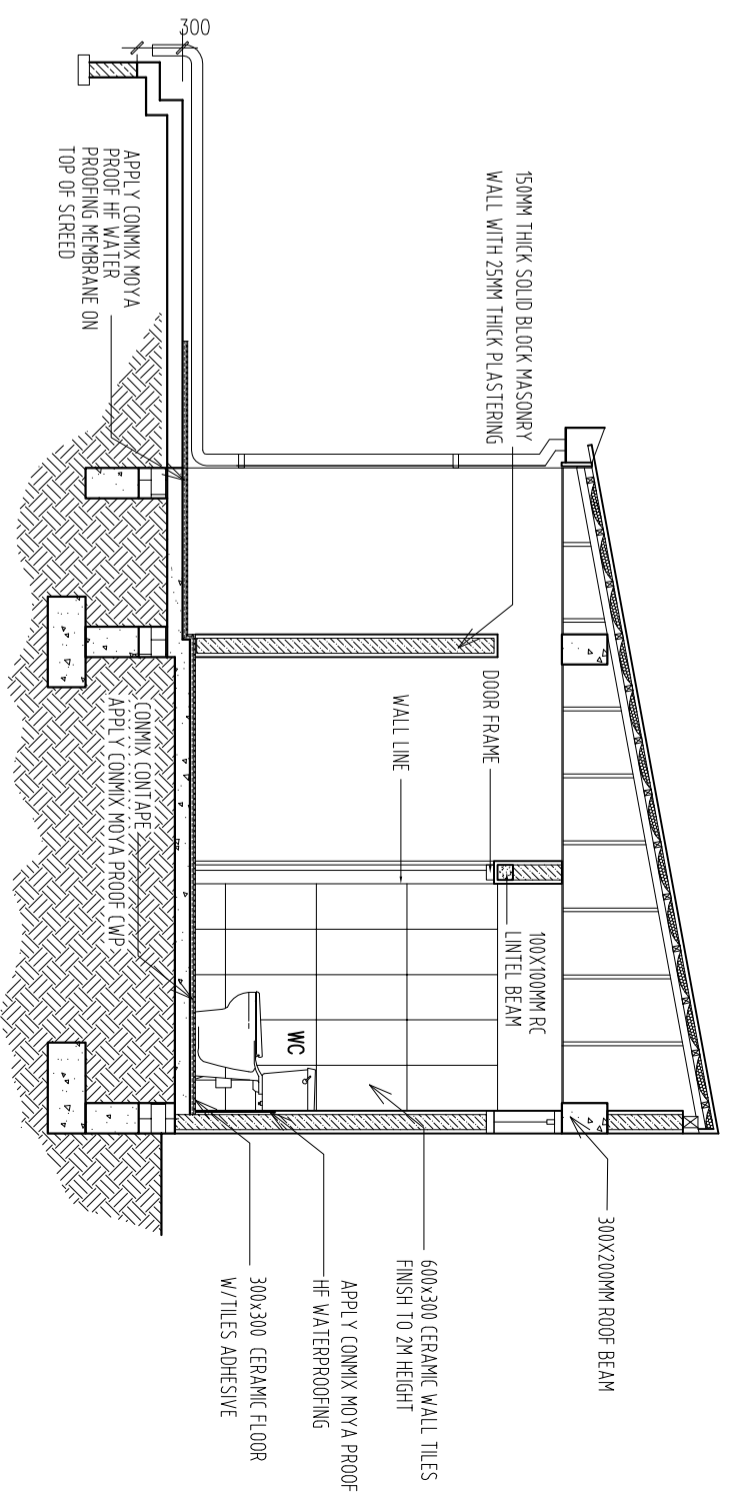
**TOILET BLOCK FLOOR PLAN**  
SCALE 1:50

- LEGEND**
- SOLID BLOCK MASONRY WALL
  - 2M HIGH MASONRY WALL
  - 1.1M HIGH BOUNDARY WALL
  - SOLID BLOCK WALL
  - CONCRETE
  - EARTH
- LEGEND**
- FD : FLOOR DRAIN
  - HS : HAND SHOWER

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

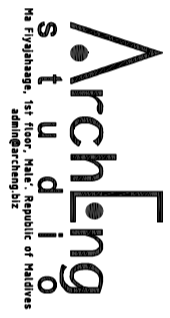


**SECTION X-X**  
SCALE 1:50



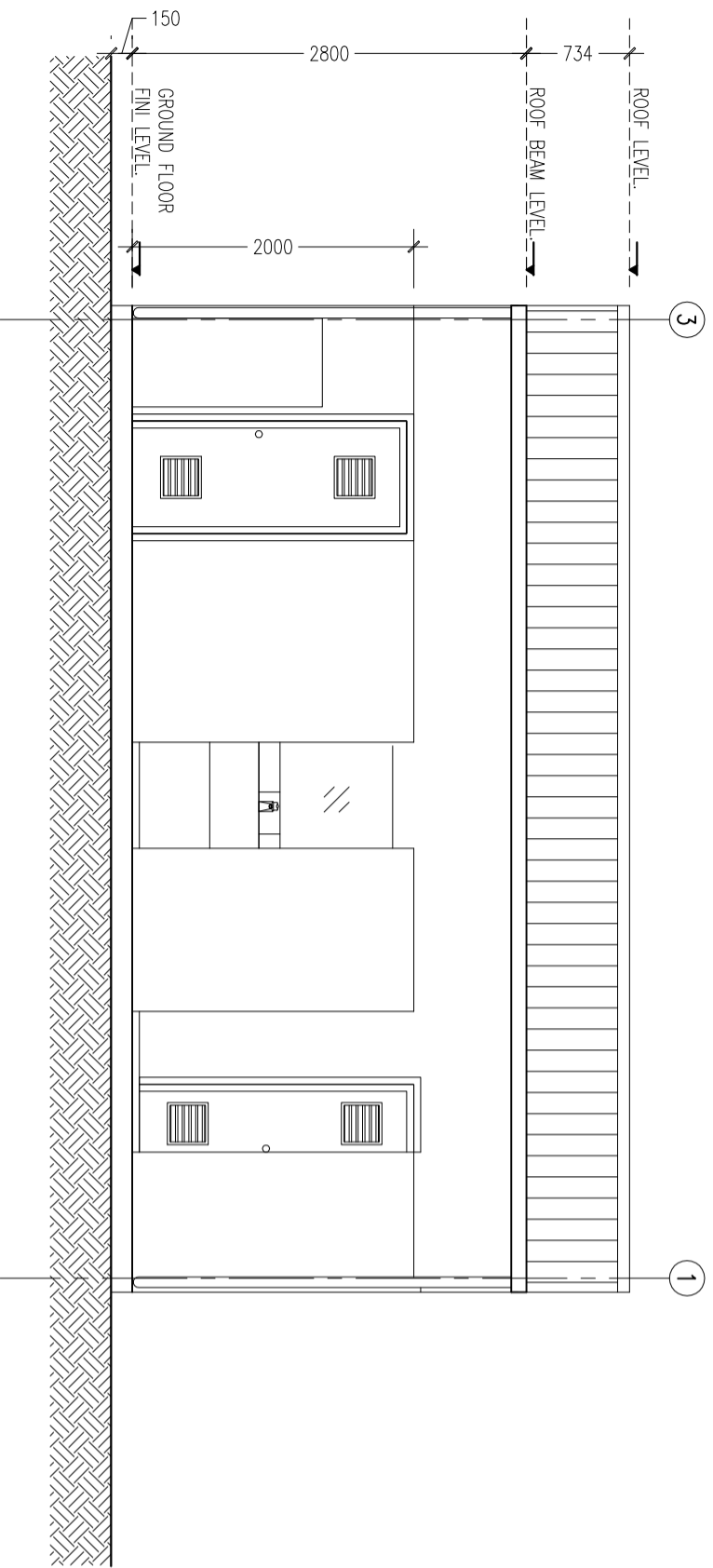
**SECTION Y-Y (TOILET DETAIL)**  
SCALE 1:50

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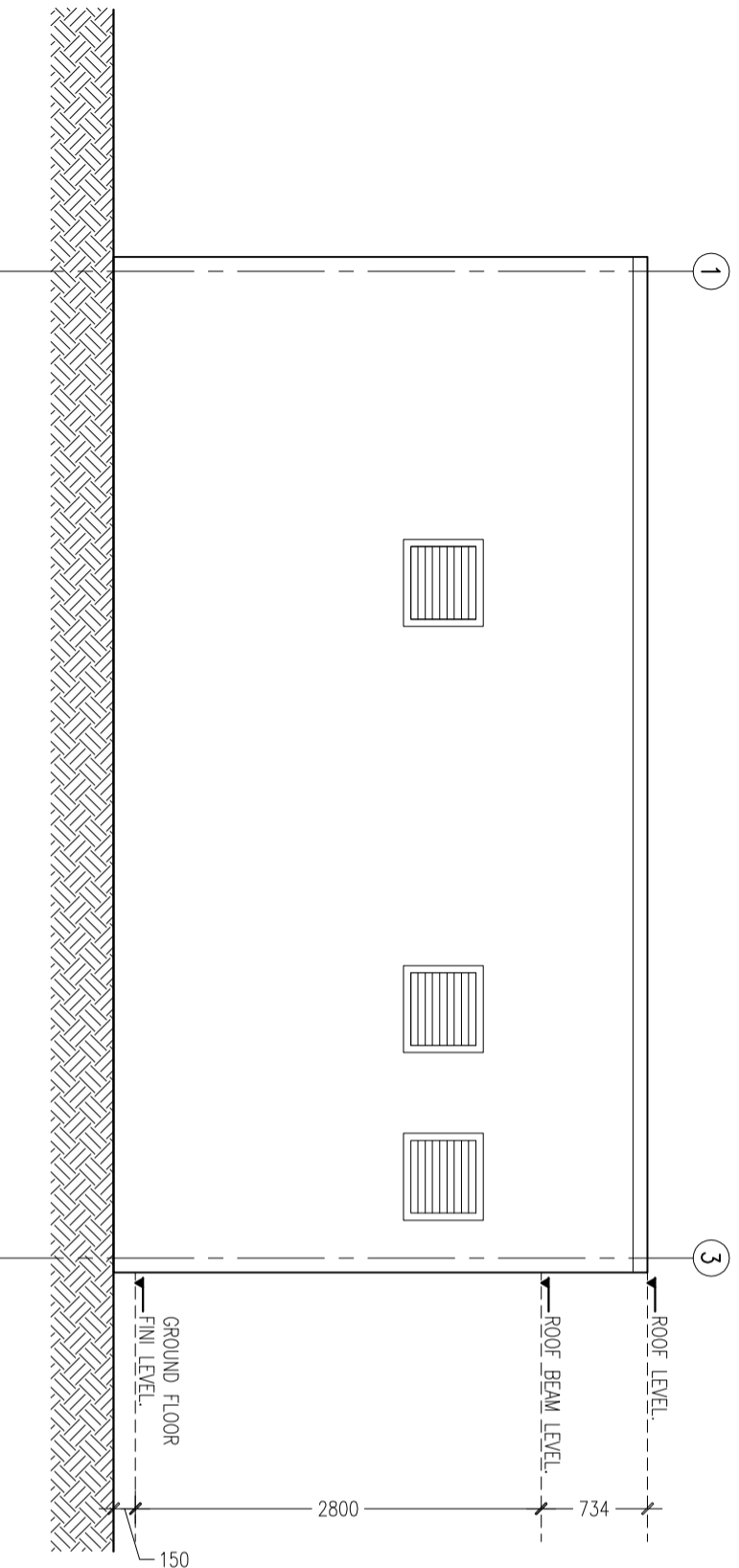


REVISION:	ARCHITECT:	PROJECT:	DATE:
ENGINEER:	MARIYAM SAMAH	MALDIVES POLYTECHNIC, GA.VILINGILU CAMPUS	SEPTEMBER 2021
ARCHITECTURAL CHECKER:		LOCATION:	GA.VILINGILU
STRUCTURAL CHECKER:		DRAWING TITLE:	AS GIVEN
DRAWN BY:	HAWWA NISWA	CLIENT:	MINISTRY OF HIGHER EDUCATION
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		DWG NO.	<b>A-08</b>

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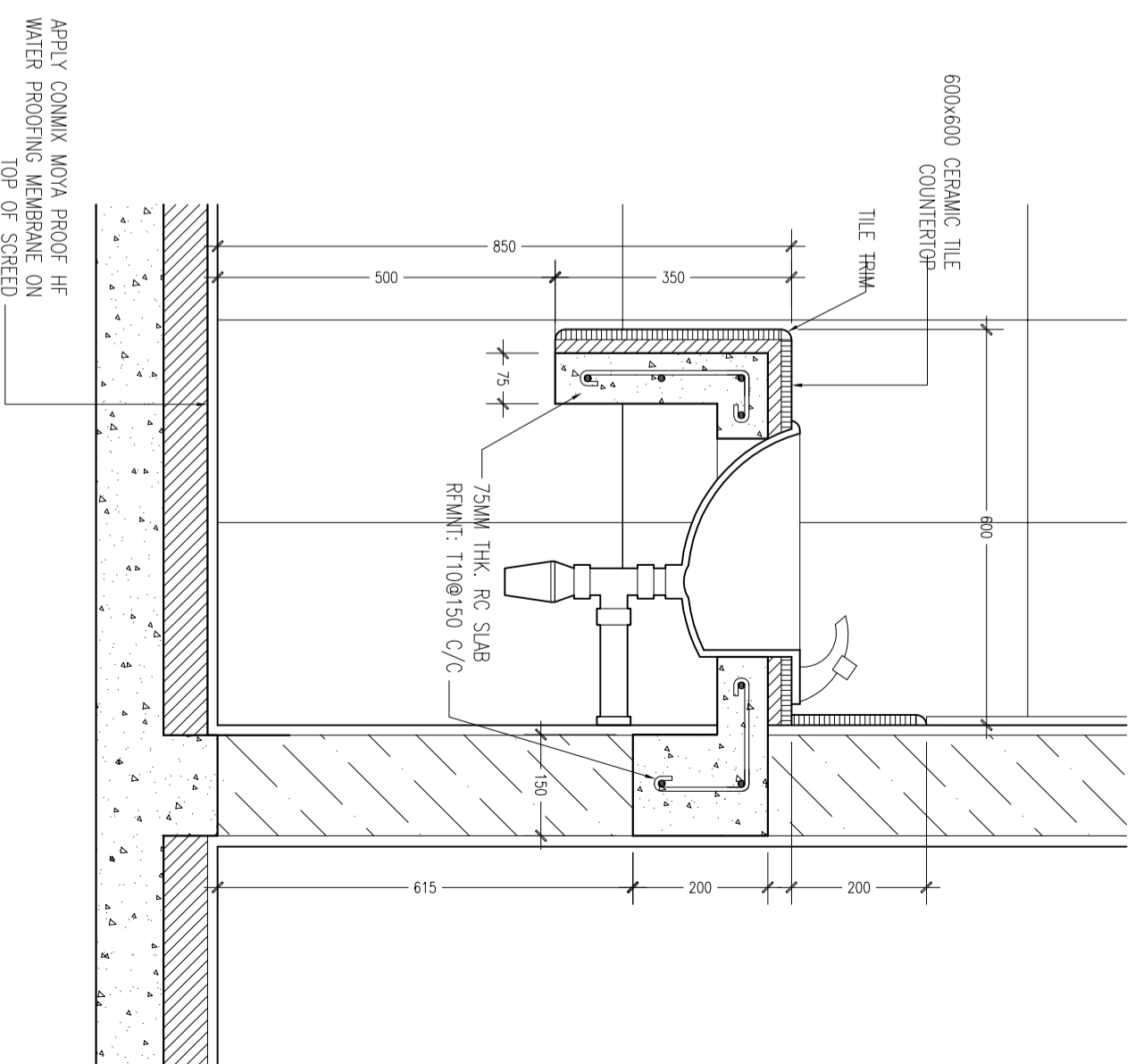


**ELEVATION-A**  
SCALE 1:50



**ELEVATION-B**  
SCALE 1:50

LEGEND  
 EARTH  
 ROOFING SHEET



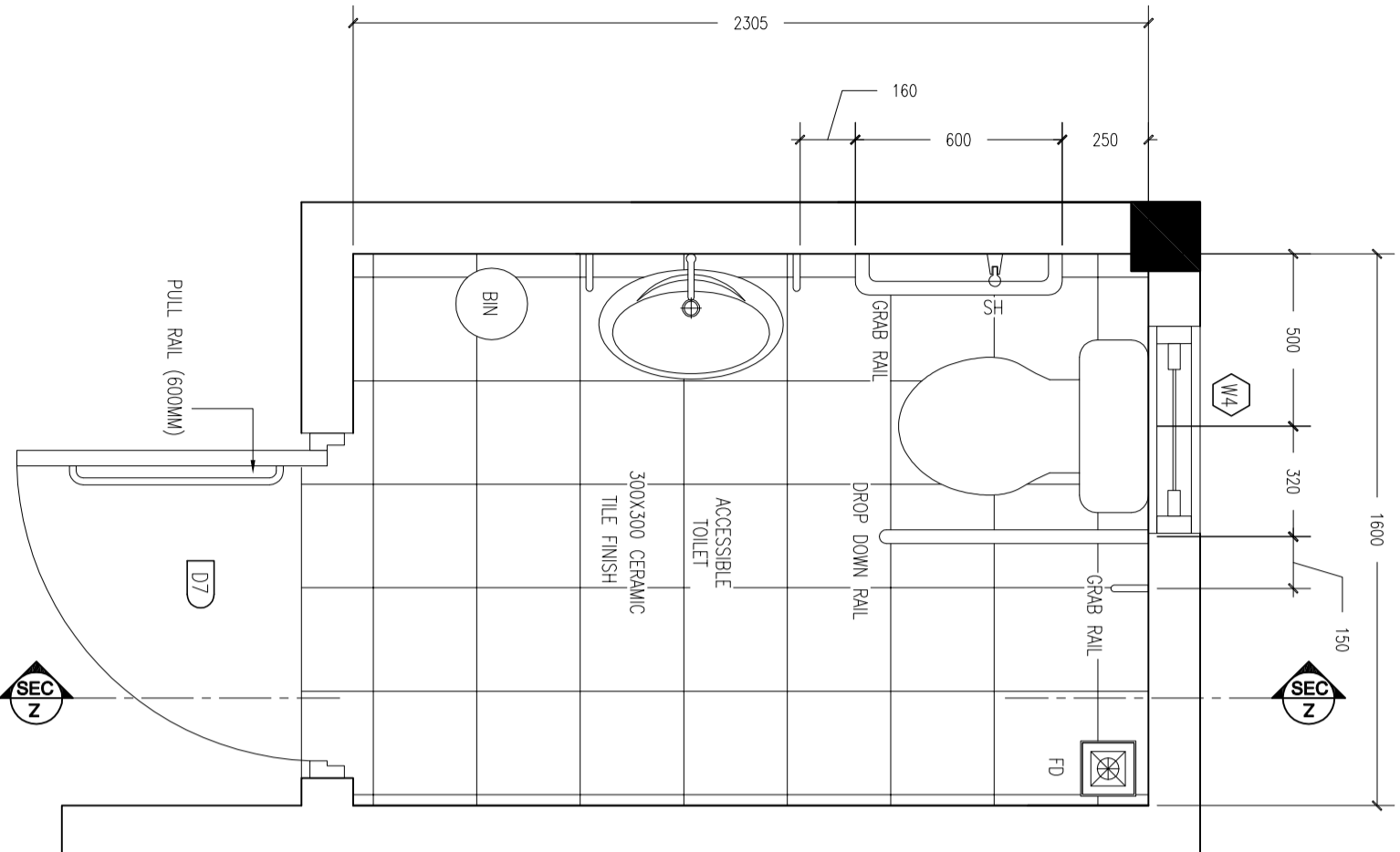
**LAVATORY DETAIL**  
SCALE 1:10

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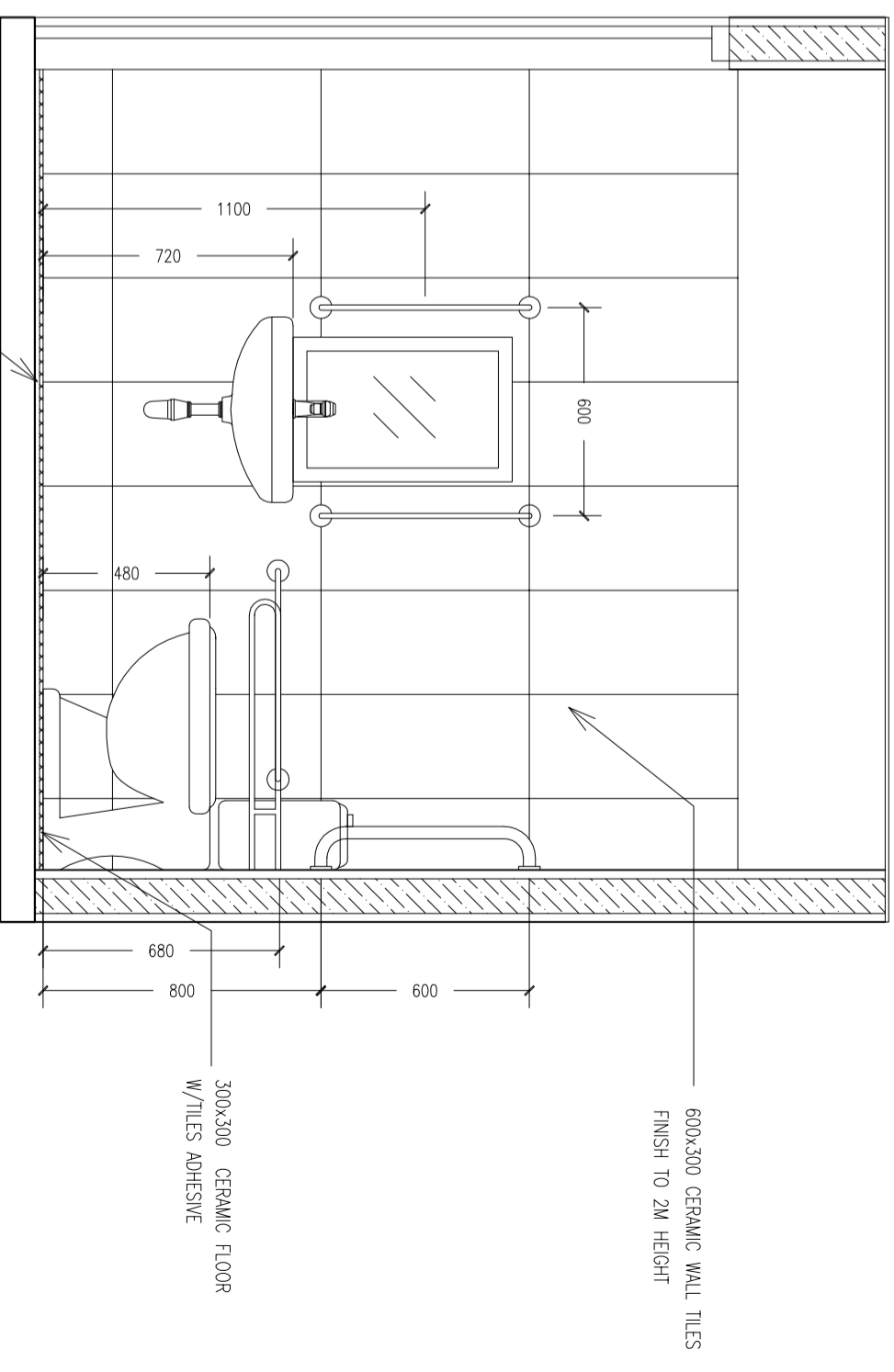
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	ENGINEER: MARIYAM SUWAH	LOCATION:	GAVILINGILU
	ARCHITECTURAL CHECKER:	DRAWING TITLE:	AS GIVEN
	STRUCTURAL CHECKER:	CLIENT:	MINISTRY OF HIGHER EDUCATION
	DRAWN BY: HANNA NISWA	SCALE: AS GIVEN	DIMENSION: MM
		DATE: SEPTEMBER 2021	
			PROJECT NO.: 21-001
			DWG NO.
			<b>A-09</b>

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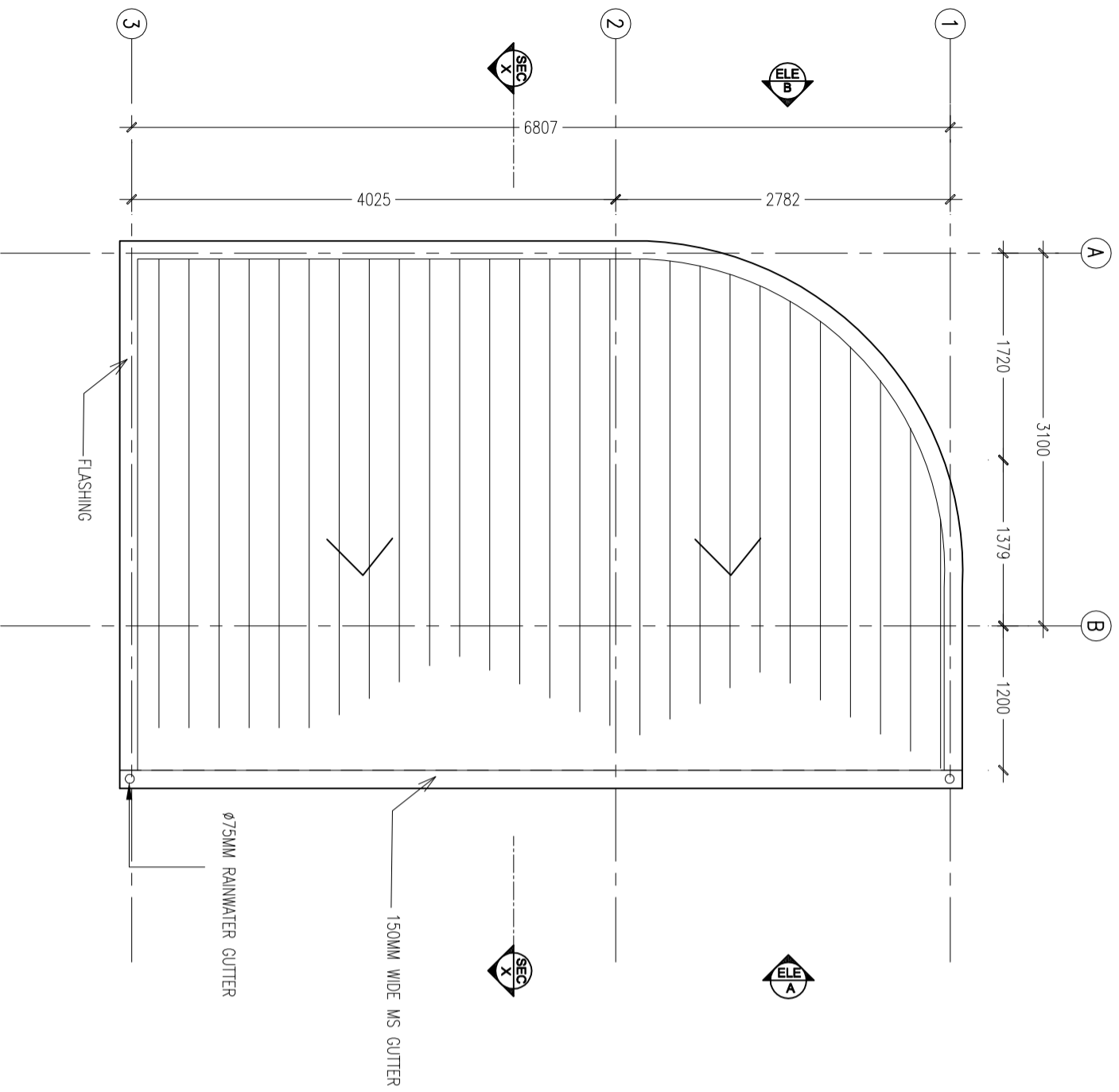
**ACCESSIBLE TOILET PLAN**  
SCALE 1:20

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**SECTION-Z**  
SCALE 1:20

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	ENGINEER:	LOCATION:	GA.VILINGILU
	ARCHITECTURAL CHECKER:	DRAWING TITLE:	AS GIVEN
	STRUCTURAL CHECKER:	CLIENT:	MINISTRY OF HIGHER EDUCATION
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		DIMENSION:	MM
		DATE:	JUNE 2021
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		PROJECT NO:	21-001



**ROOF PLAN**  
SCALE 1:50

DR / WD NO.	DESCRIPTION :	HARDWARE :	GLAZING :
D5	40MM THICK OPENABLE ALUMINIUM DOOR PANEL 40 MICRON WHITE POWDER COATED ALUMINIUM FRAME	DOOR CLOSER CYLINDRICAL LOCK BUTT HINGE STOPPER HOLDER	C-4MM
D6	40MM THICK OPENABLE ALUMINIUM DOOR PANEL 40 MICRON WHITE POWDER COATED ALUMINIUM FRAME	DOOR CLOSER CYLINDRICAL LOCK BUTT HINGE STOPPER HOLDER	C-4MM
D7	40MM THICK OPENABLE ALUMINIUM DOOR PANEL 40 MICRON WHITE POWDER COATED ALUMINIUM FRAME	DOOR CLOSER CYLINDRICAL LOCK BUTT HINGE STOPPER HOLDER	C-4MM

FINISH FLOOR LEVEL	DR / WD NO.	DESCRIPTION :	FRAME :	HARDWARE :	GLAZING :
	W4	ALUMINIUM FRAMED LOUVERS	80 MICRON WHITE POWDER COATED ALUMINIUM FRAME	01 NOS. LOUVERS WINDOW PANEL	-

ELEVATIONS :

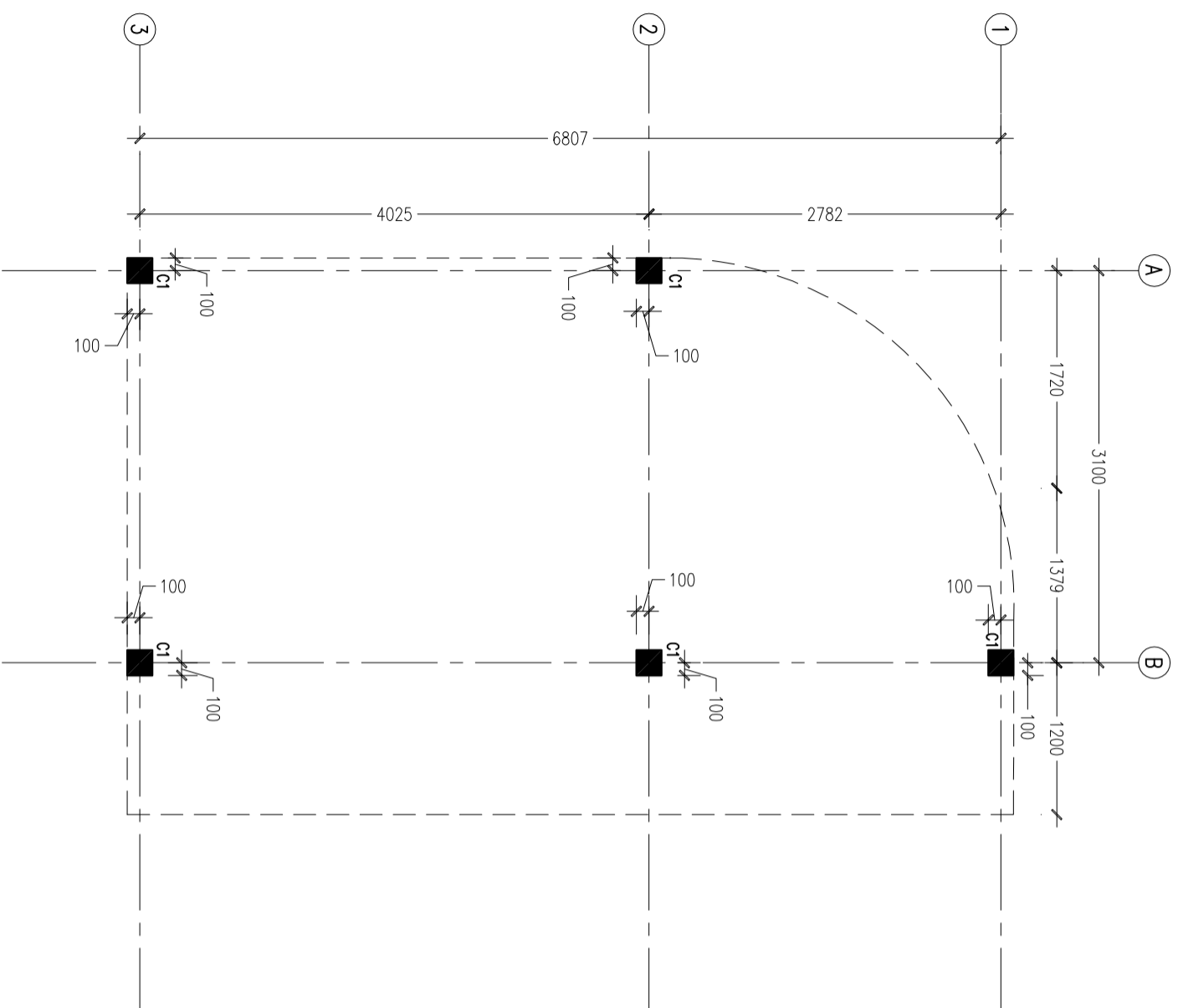
  

NOTE :  
ALL TOILETS TO BE MECHANICALLY VENTILATED  
G-GLASS  
FG-FIXED GLASS

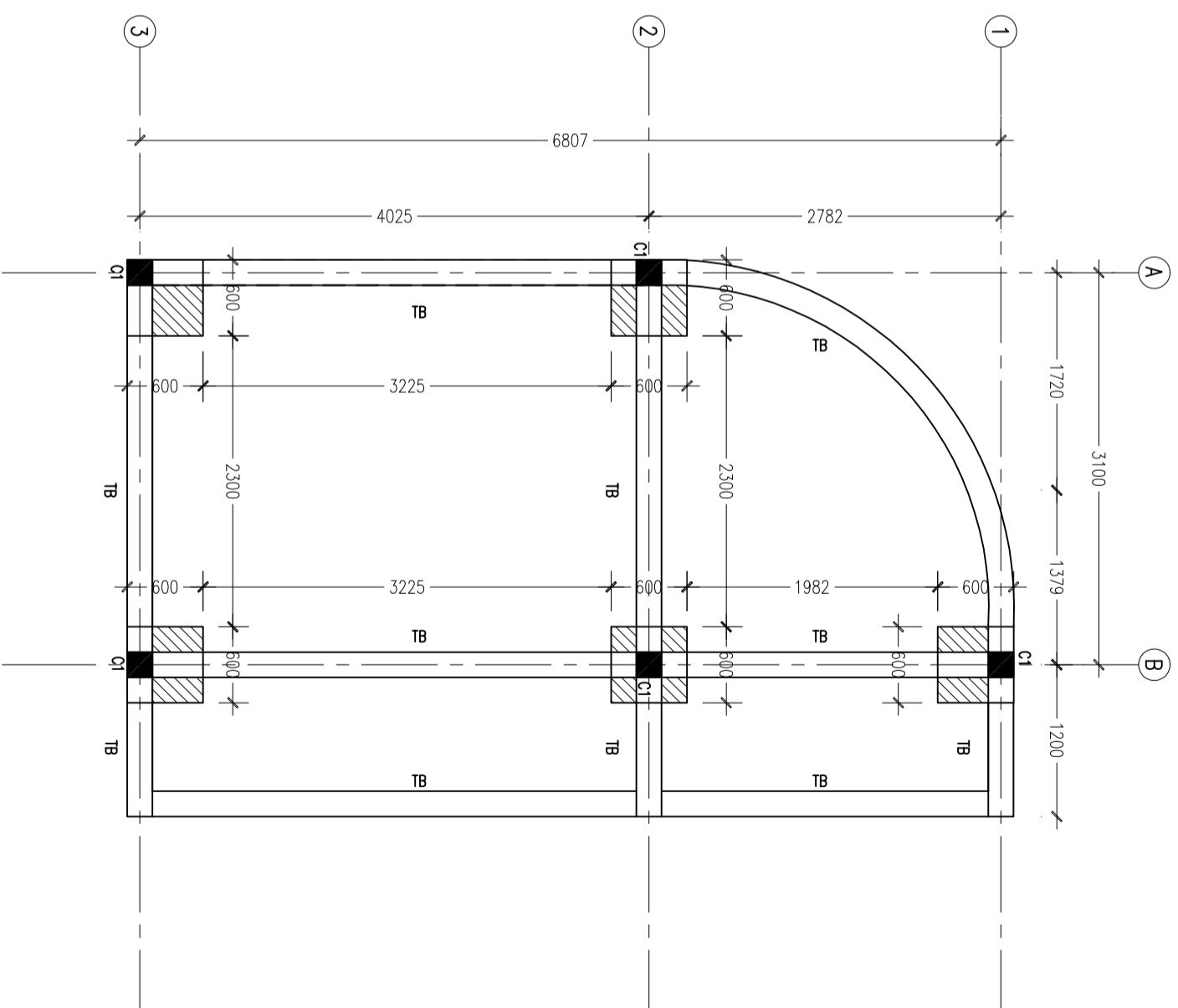
**PROPOSED DOOR/WINDOW SCHEDULE**  
SCALE 1:50

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	MARIYAM SUWAH	MALDIVES POLYTECHNIC, GAVILINGILU CAMPUS
	ENGINEER:	GAVILINGILU
	ARCHITECTURAL CHECKER:	AS GIVEN
	STRUCTURAL CHECKER:	MINISTRY OF HIGHER EDUCATION
	DRAWN BY:	SCALE: AS GIVEN
	HANNA NISWA	DIMENSION: MM
		DATE: SEPTEMBER 2021
		PROJECT NO.: 21-001



**COLUMN POSITION**  
SCALE 1:50

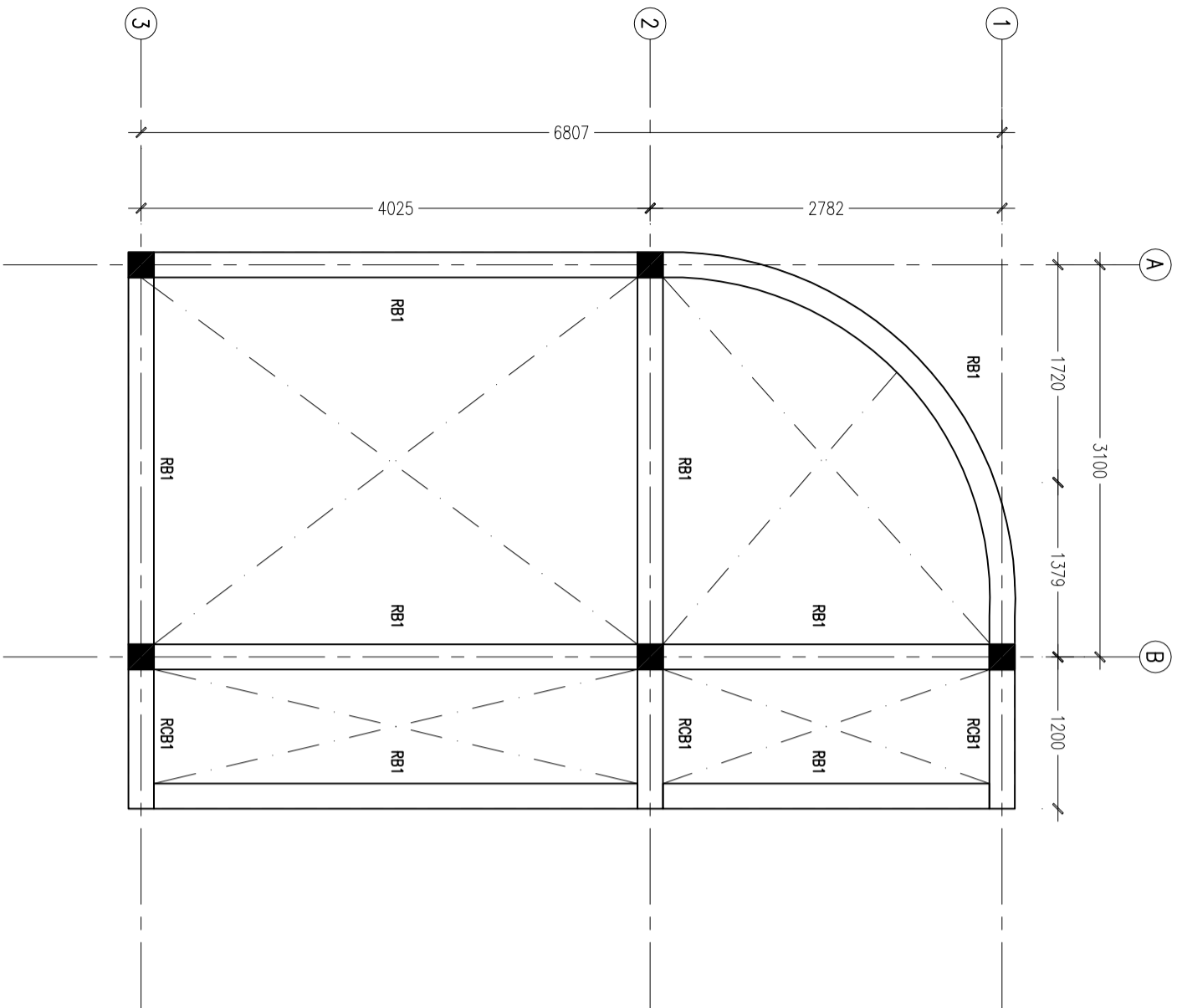


**FOUNDATION LAYOUT PLAN**  
SCALE 1:50

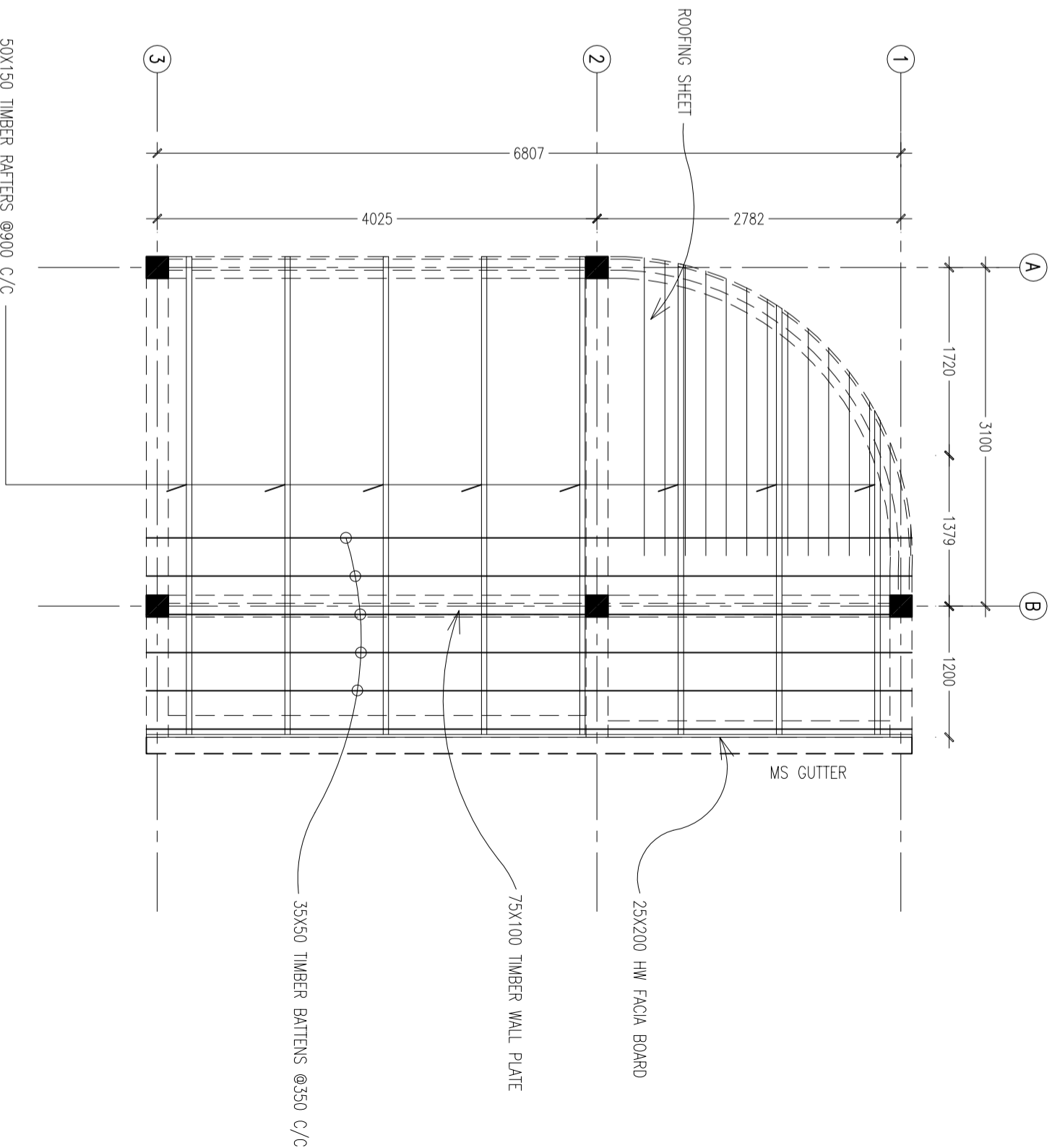
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	ENGINEER:	LOCATION:	GAUVILINGILU
	ARCHITECTURAL CHECKER:	DRAWING TITLE:	AS GIVEN
	STRUCTURAL CHECKER:	CLIENT:	MINISTRY OF HIGHER EDUCATION
	DRAWN BY:	SCALE:	AS GIVEN
		DIMENSION:	MM
		DATE:	SEPTEMBER 2021
		PROJECT NO.:	21-001
		DWG NO.:	S-02

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**ROOF BEAM PLAN**  
SCALE 1:50



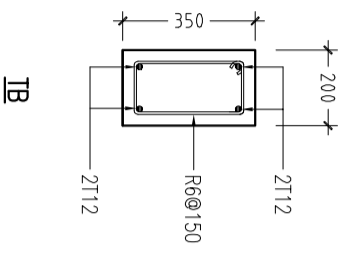
**ROOF STRUCTURE LAYOUT PLAN**  
SCALE 1:50

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	ENGINEER: MARIYAM SAMA	LOCATION:	GAVILINGILU
	ARCHITECTURAL CHECKER:	DRAWING TITLE:	AS GIVEN
	STRUCTURAL CHECKER:	CLIENT:	MINISTRY OF HIGHER EDUCATION
	DRAWN BY: HANNA NISWA	SCALE: AS GIVEN	DIMENSION: MM
		DATE: SEPTEMBER 2021	PROJECT NO.: 21-001
			DWG NO.
			<b>S-03</b>

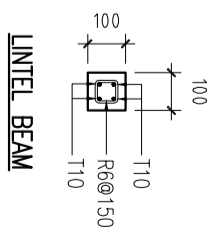
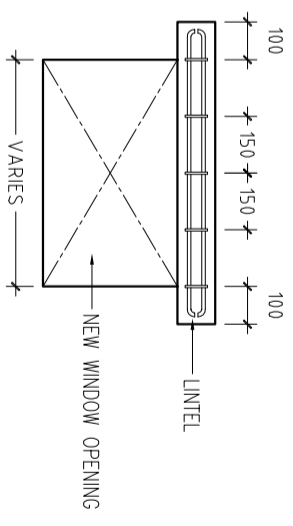
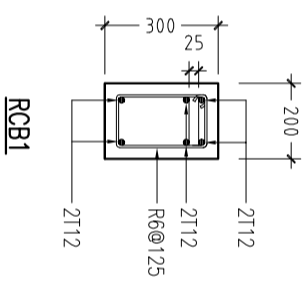
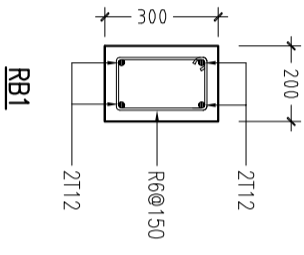
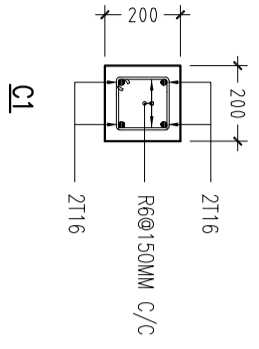
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FOOTING	LENGTH/mm	WIDTH/mm	DEPTH/mm	REINFORCEMENT
F1	600	600	250	T10@150mm-B-BW

**FOUNDATION BEAM**

**FOUNDATION FOOTING DETAIL**



**COLUMN DETAIL**

**ROOF BEAM DETAIL**

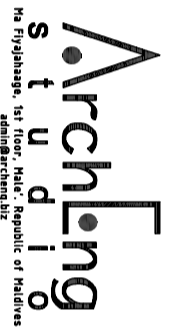
**LINTEL DETAIL**

SCALE 1:20

SCALE 1:20

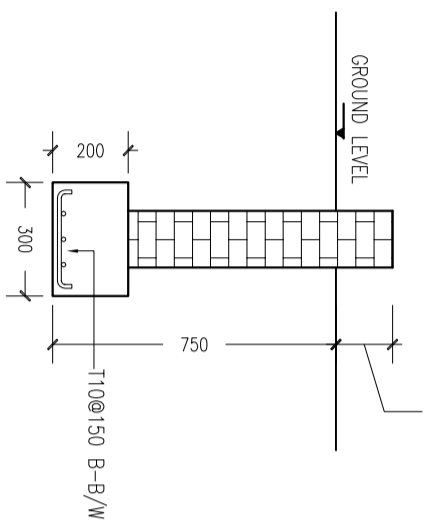
SCALE 1:20

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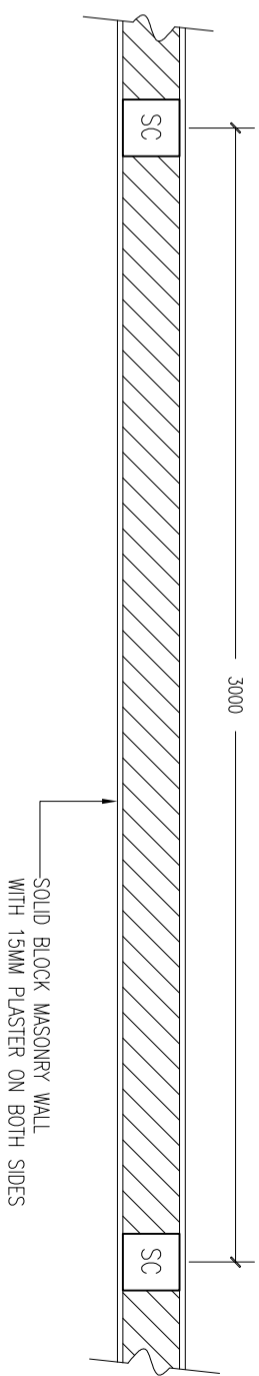


REVISION:	ARCHITECT:	PROJECT:	DWG NO
	MARIYAM SAMAH	MAADIVES POLYTECHNIC, GA.VILINGILU CAMPUS	<b>S-04</b>
	ARCHITECTURAL CHECKER:	LOCATION: GA.VILINGILU	PROJECT NO: 21-001
	STRUCTURAL CHECKER:	DRAWING TITLE: AS GIVEN	
	HANWVA NISWA	CLIENT: MINISTRY OF HIGHER EDUCATION	
		SCALE: AS GIVEN	
		DIMENSION: MM	
		DATE: SEPTEMBER 2021	

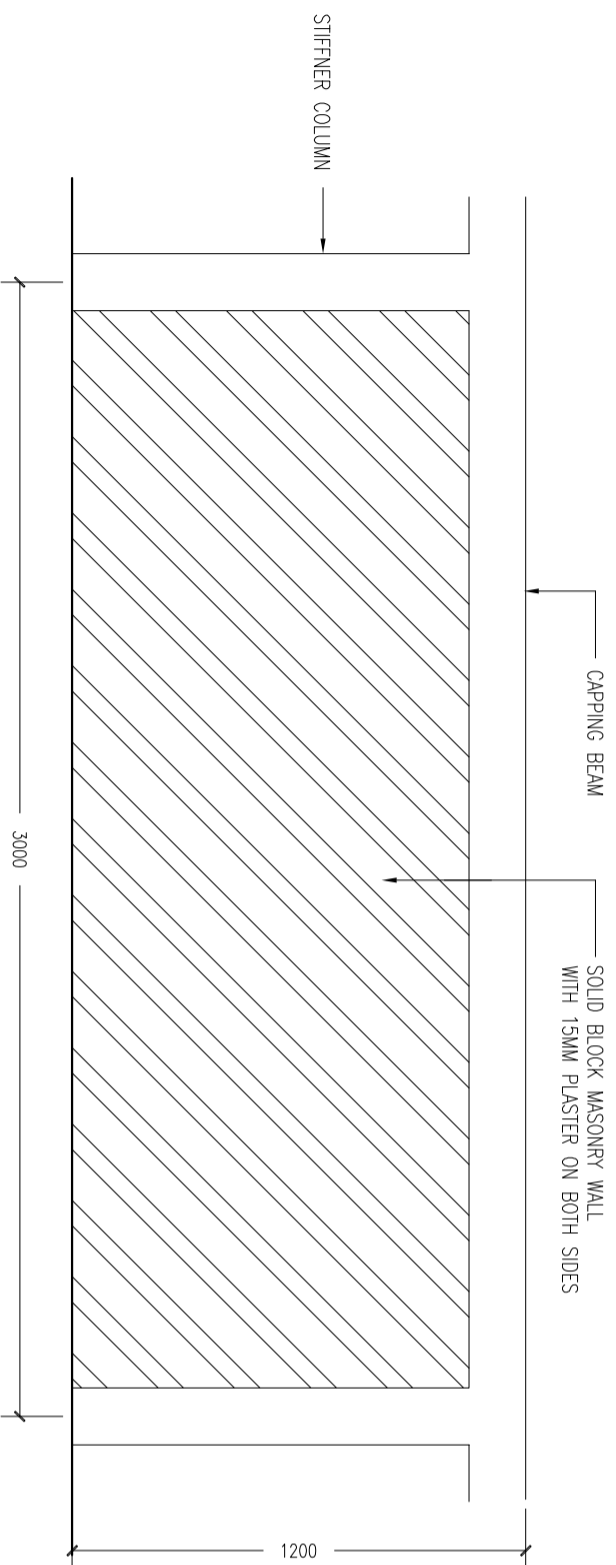
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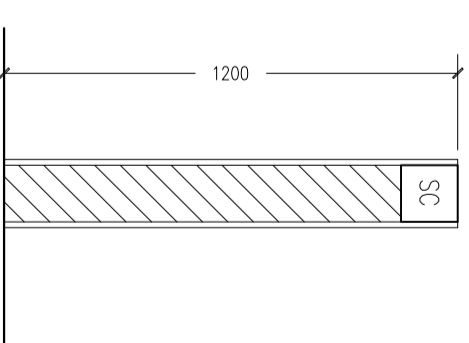
**BOUNDARY WALL FOOTING**  
SCALE 1:20



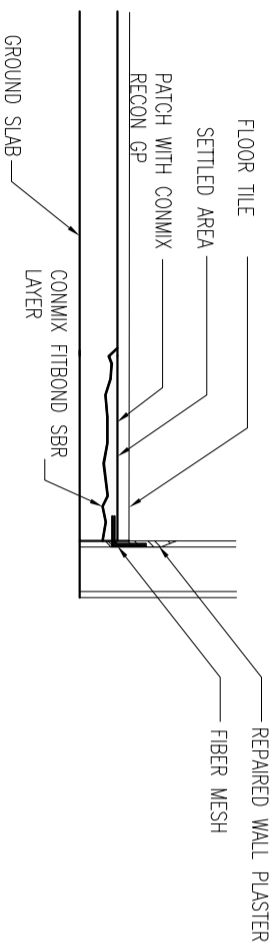
**TYPICAL BOUNDARY WALL DETAIL-PLAN**  
SCALE 1:20



**TYPICAL BOUNDARY - WALL DETAIL ELEVATION**  
SCALE 1:20



**TYPICAL BOUNDARY WALL DETAIL SECTION**  
SCALE 1:20

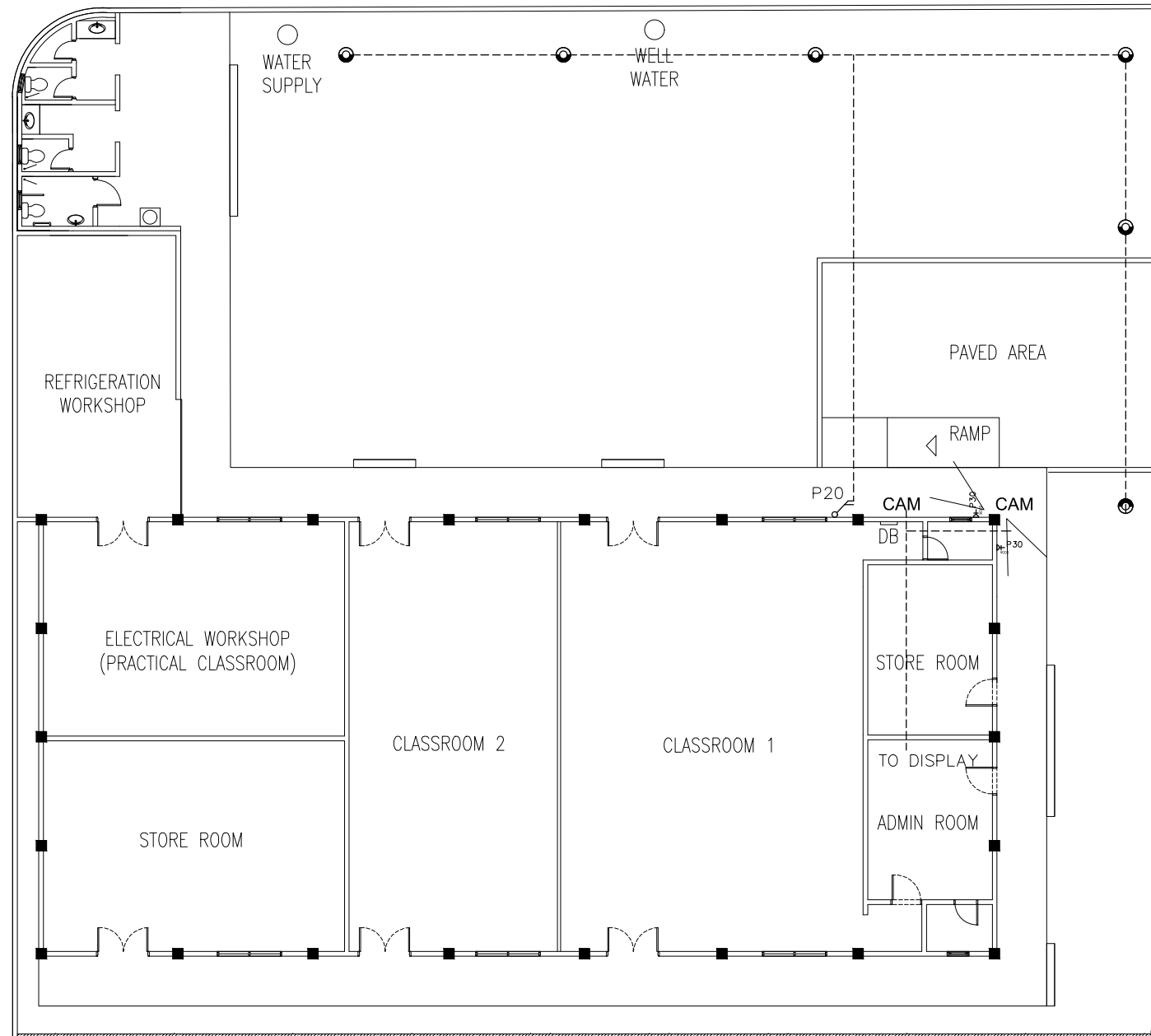
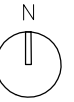


**SLAB REPAIR DETAILS**  
SCALE 1:20

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	ENGINEER:	LOCATION:	GAVILINGILU
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	STRUCTURAL CHECKER:	CLIENT:	MINISTRY OF HIGHER EDUCATION
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		DATE: SEPTEMBER 2021	
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			PROJECT NO: 21-001
			<b>S-05</b>





**LEGEND**

- ☉ WHITE LED GARDEN LIGHT
- CAM CCTV CAMERA

**SWITCHES LEGEND**

	P20	2GANG 1 WAY SWITCH
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**SOCKET LEGEND**

	P30	1 GANG13A SOCKET OUTLET AT CEILING LEVEL FOR KITCHEN HOOD /EXHAUST - 2.1 METERS FFL
--	-----	---

**LIGHTING AND CAMERA LAYOUT PLAN**

SCALE 1:200

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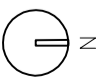


REVISION:	ARCHITECT:	PROJECT:
	ENGINEER: MARIYAM SAMAH	LOCATION: GA,VILLINGILI
	ARCHITECTURAL CHECKER:	DRAWING TITLE: AS GIVEN
	STRUCTURAL CHECKER:	CLIENT: MINISTRY OF HIGHER EDUCATION
	DRAWN BY: HAWWA NISWA	SCALE: AS GIVEN    DIMENSION: MM    DATE: SEPTEMBER 2021

PROJECT:	MALDIVES POLYTECHNIC, GA,VILLINGILI CAMPUS
LOCATION:	GA,VILLINGILI
DRAWING TITLE:	AS GIVEN
CLIENT:	MINISTRY OF HIGHER EDUCATION
SCALE:	AS GIVEN    DIMENSION: MM    DATE: SEPTEMBER 2021

**E-01**  
DWG NO  
PROJECT NO: 21-001

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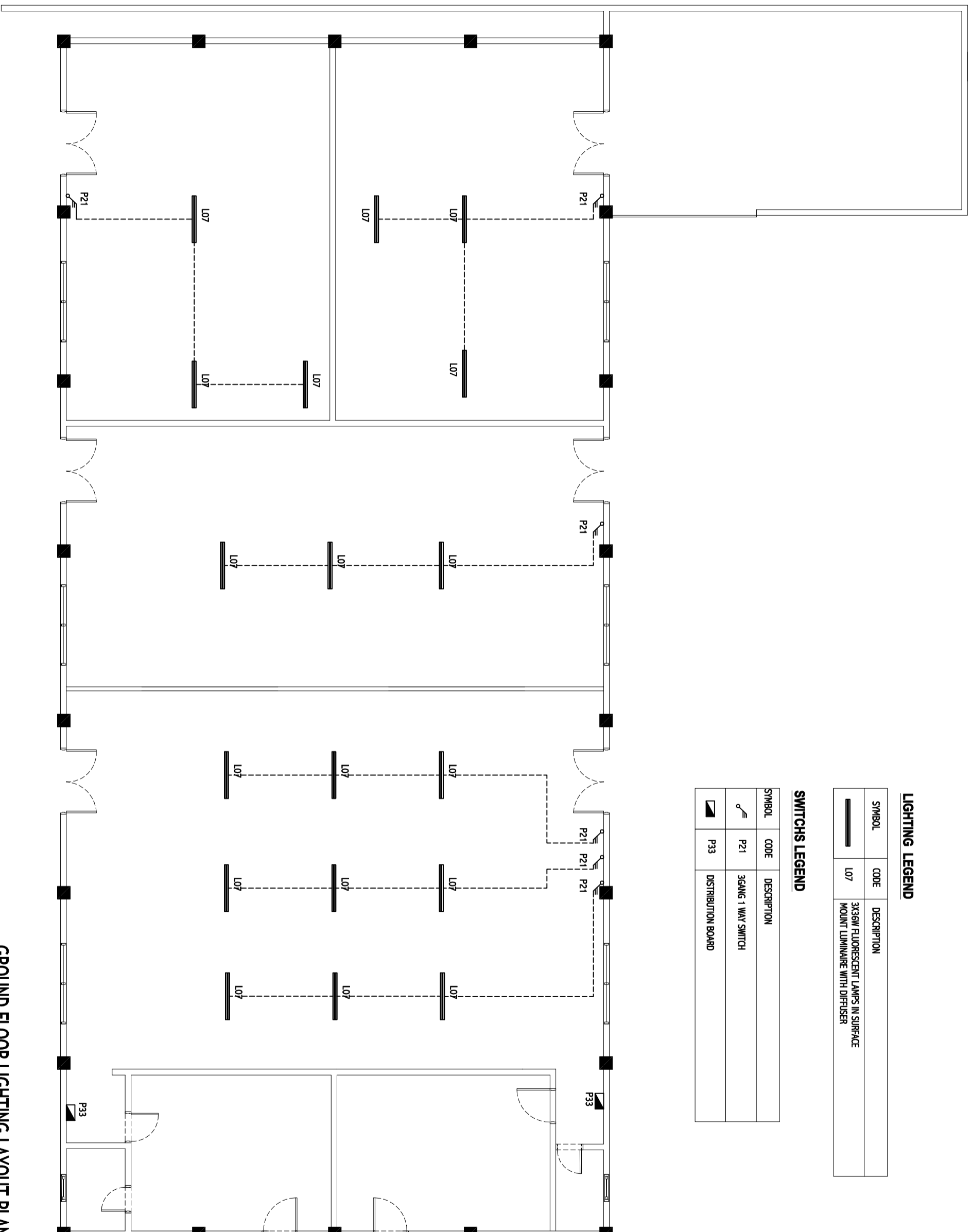


### LIGHTING LEGEND

SYMBOL	CODE	DESCRIPTION
	L07	3x36W FLUORESCENT LAMPS IN SURFACE MOUNT LUMINAIRE WITH DIFFUSER

### SWITCHES LEGEND

SYMBOL	CODE	DESCRIPTION
	P21	3GANG 1 WAY SWITCH
	P33	DISTRIBUTION BOARD



## GROUND FLOOR LIGHTING LAYOUT PLAN

SCALE 1:100

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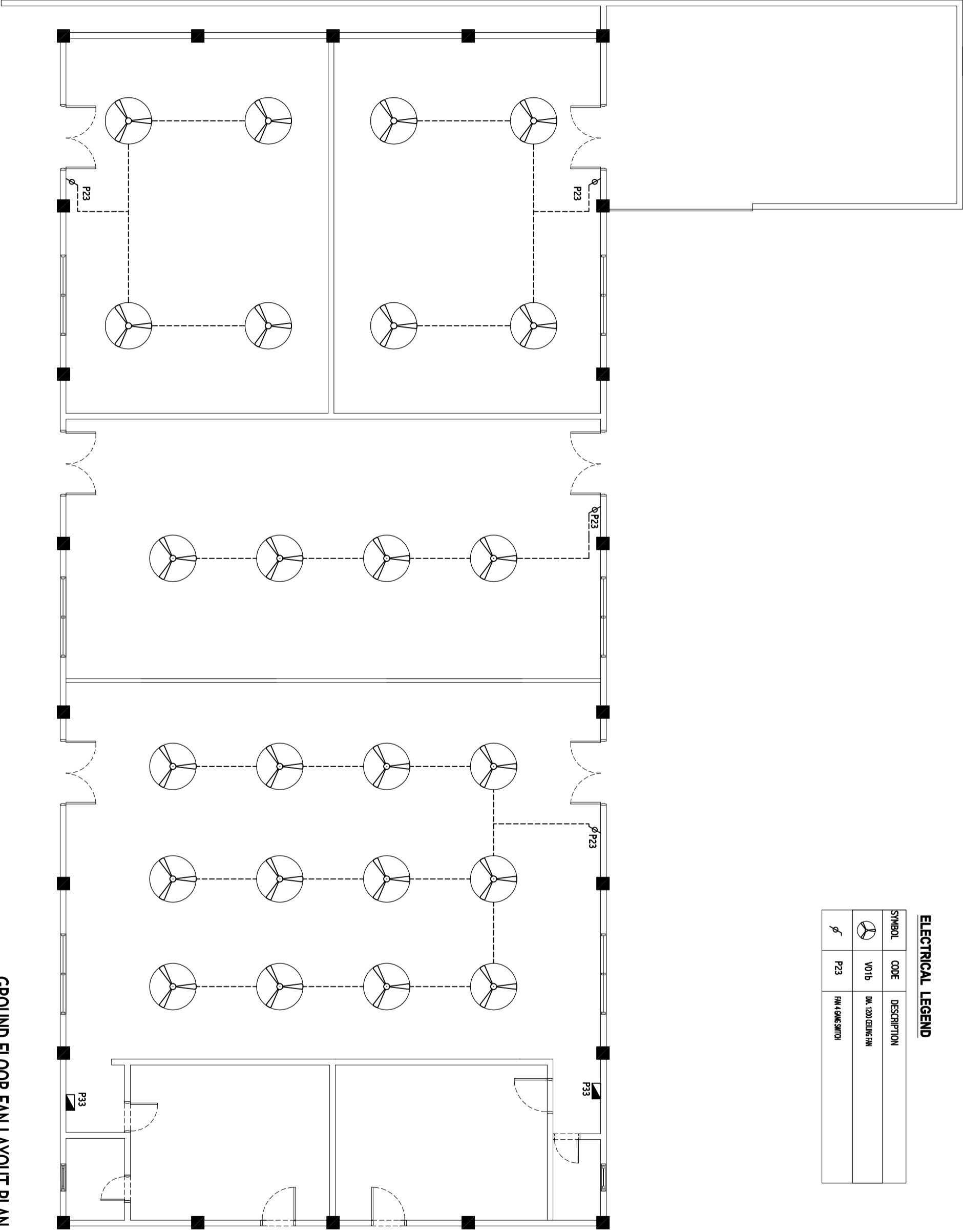
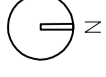


REVISION:	ARCHITECT:	PROJECT:	DWG NO
	ENGINEER: MARIYAM SAMAH	MADIVES POLYTECHNIC, GA.VILLINGILI CAMPUS	<b>E-02</b>
	ARCHITECTURAL CHECKER:	LOCATION: GA.VILLINGILI	PROJECT NO: 21-001
	STRUCTURAL CHECKER:	DRAWING TITLE: AS GIVEN	
	DRAWN BY: HAMWA NISWA	CLIENT: MINISTRY OF HIGHER EDUCATION	
		SCALE: AS GIVEN	
		DIMENSION: MM	
		DATE: SEPTEMBER 2021	

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**ELECTRICAL LEGEND**

SYMBOL	CODE	DESCRIPTION
	VO1b	ØM 1200 CEILING FAN
	P23	FAN 4 GWS SWITCH



**GROUND FLOOR FAN LAYOUT PLAN**

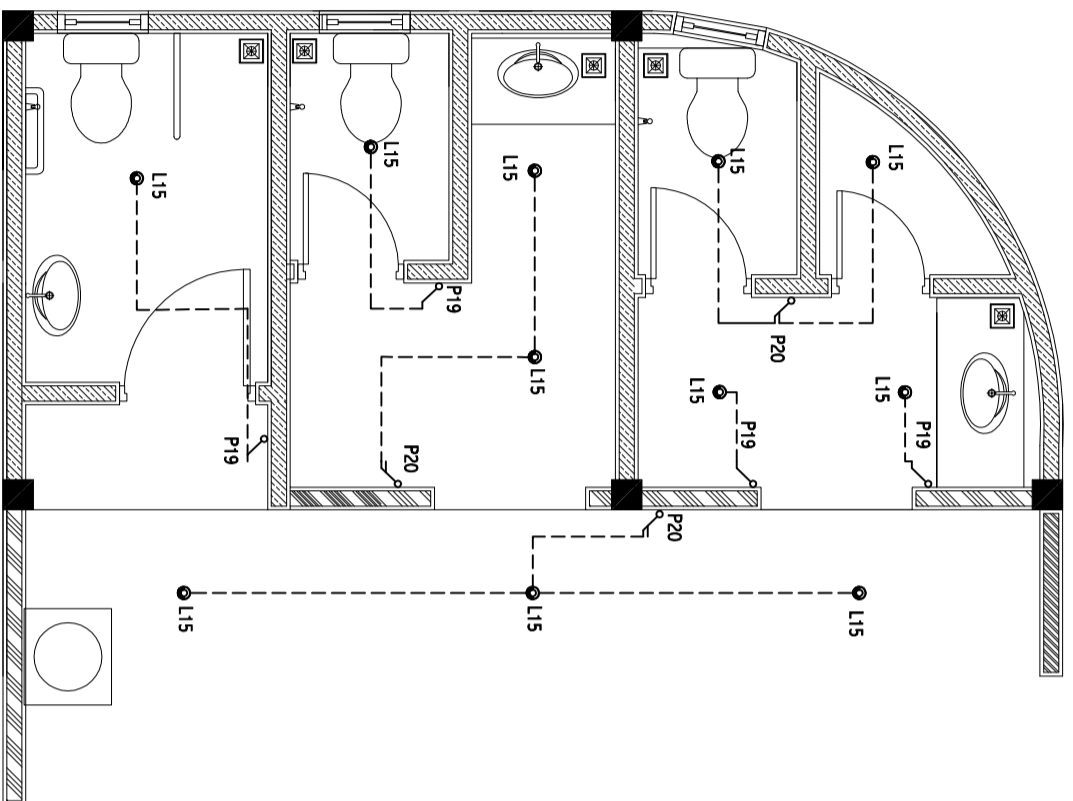
SCALE 1:100

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	ENGINEER:	LOCATION:	GA.VILLINGILI
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	STRUCTURAL CHECKER:	CLIENT:	MINISTRY OF HIGHER EDUCATION
	DRAWN BY:	SCALE:	AS GIVEN
		DIMENSION:	MM
		DATE:	SEPTEMBER 2021
		PROJECT NO.:	21-001
		DWG NO.:	<b>E-03</b>

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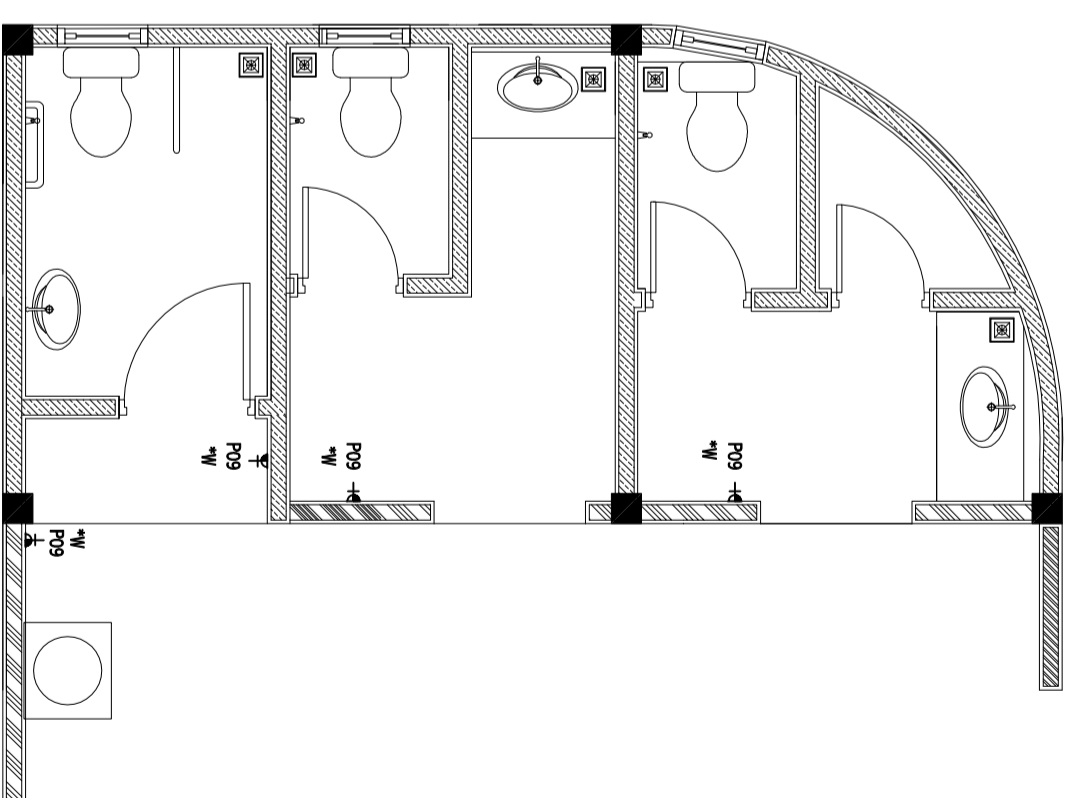
**TOILET BLOCK LIGHTING LAUOUT PLAN**  
SCALE 1:50

**LIGHTING LEGEND**

●	L15	1X16W ENERGY SAVING SLAB MOUNT WARM COMPACT FLUORESCENT LAMPS IN RECESSED DECORATIVE LUMINAIRE
---	-----	--

**SWITCHES LEGEND**

⏏	P19	1GANG 1 WAY SWITCH
⏏	P20	2GANG 1 WAY SWITCH



**TOILET BLOCK SOCKET LAUOUT PLAN**  
SCALE 1:50

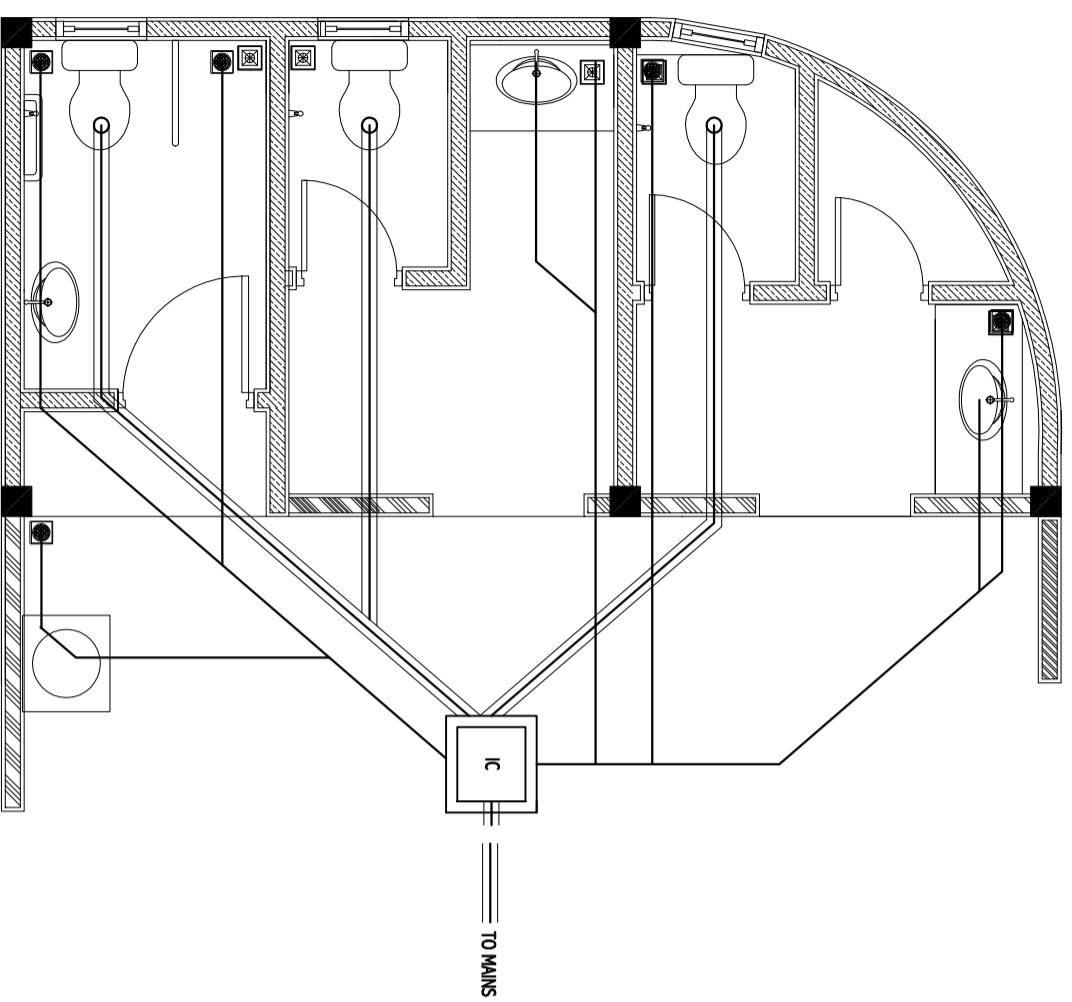
**ELECTRICAL LEGEND**

SYMBOL	CODE	DESCRIPTION
P1-	P09	1 GANG/3A SOCKET OUTLET AT 1200mm ABOVE FINISHED FLOOR LEVEL

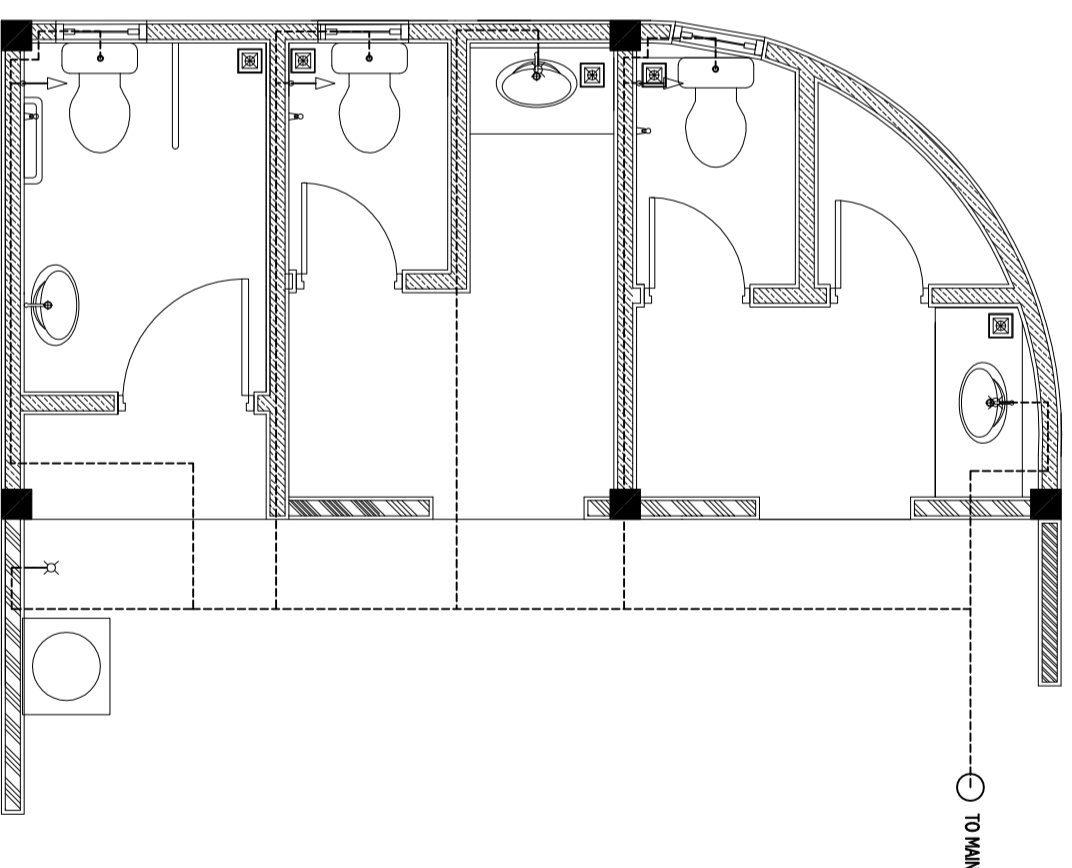
\*\* SOCKET INSTALLED INSIDE WEATHER PROOF COVER

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	ENGINEER:	LOCATION:	GA.VILINGILU
	ARCHITECTURAL CHECKER:	DRAWING TITLE:	AS GIVEN
	STRUCTURAL CHECKER:	CLIENT:	MINISTRY OF HIGHER EDUCATION
	DRAWN BY:	SCALE:	AS GIVEN
		DIMENSION:	MM
		DATE:	SEPTEMBER 2021
		DWG NO:	
		PROJECT NO.:	21-001



**TOILET BLOCK SEWAGE & WASTE DISPOSAL PLAN**  
SCALE 1:50



**TOILET BLOCK FRESH WATER SUPPLY PLAN**  
SCALE 1:50

**LEGEND**

SYMBOL	DESCRIPTION
	TAP
	MUSLIM SHOWER
	WATER SUPPLY (Ø12-Ø35)
	FLOOR DRAIN
	UPVC HIGH PRESSURE WASTE WATER PIPE (Ø75-Ø100)
	SEWAGE DISPOSAL (Ø100-Ø150)
	INSPECTION CHAMBER

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	ENGINEER: MARIYAM SUWAH	MALDIVES POLYTECHNIC, GAVILINGILU CAMPUS	SEPTEMBER 2021
	ARCHITECTURAL CHECKER:	LOCATION: GAVILINGILU	
	STRUCTURAL CHECKER:	DRAWING TITLE: AS GIVEN	
	DRAWN BY: HAWWA NISWA	CLIENT: MINISTRY OF HIGHER EDUCATION	
		SCALE: AS GIVEN	
		DIMENSION: MM	
		DATE: SEPTEMBER 2021	
		DWG NO.	<b>P-01</b>
		PROJECT NO.: 21-001	

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