

Proposed Multipurpose Hall Building at Addu High School

SERVICES DRAWINGS
Client: Ministry of Education

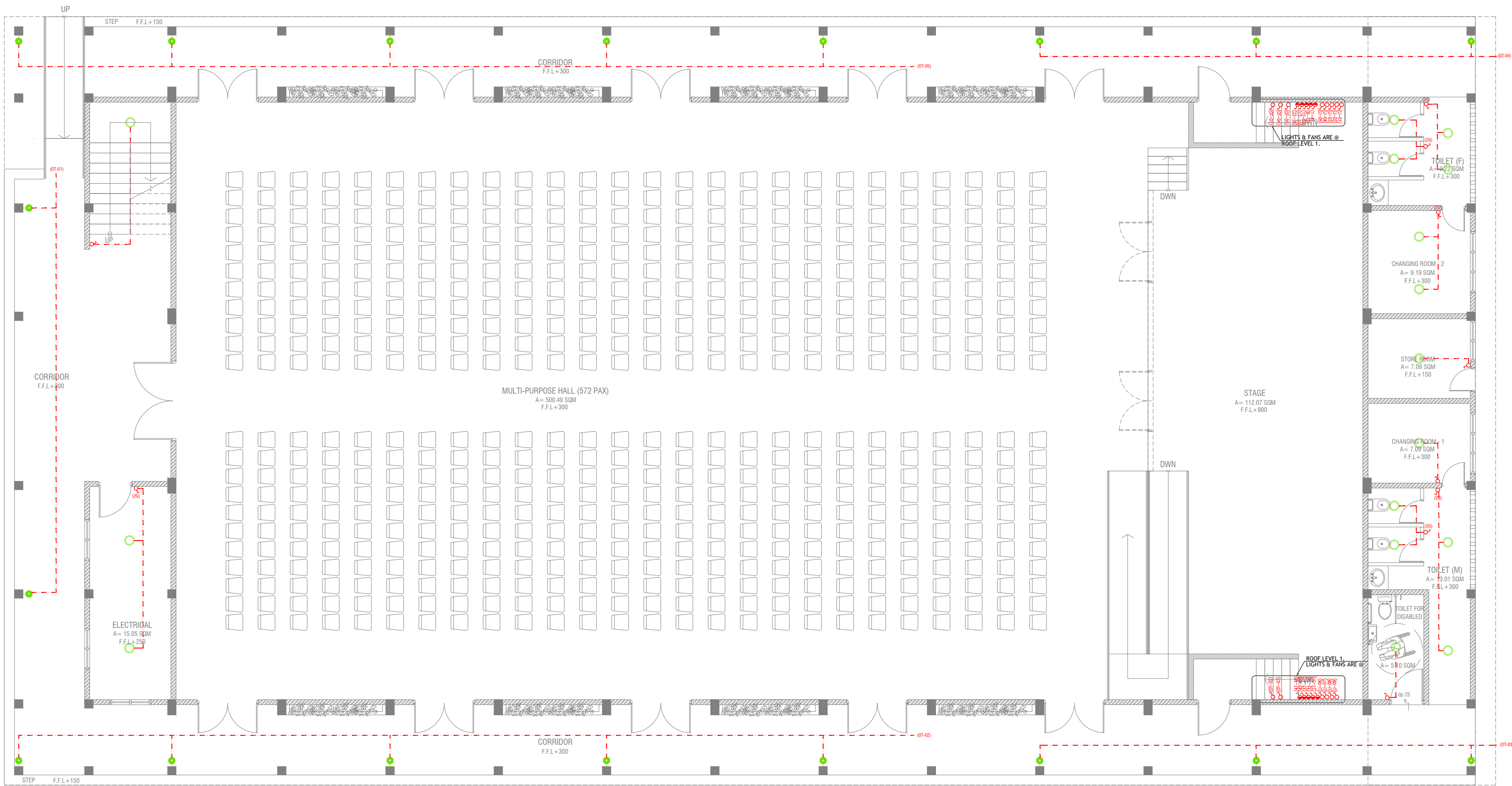


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3rd floor, H. Azum, Ameenemogu, Male

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GROUND FLOOR LIGHTING LAYOUT

SCALE 1:100

0 0.5 1 2 3 4 5

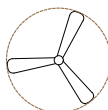
LEGEND



4 x 55W PLL Lamps
(Wire guard, Polycarbonate diffuser, Emergency and dimming versions)

C2

CEILING DOWN LIGHT (18W)



CEILING FAN (52" - 54")

WPD OUT DOOR WALL LIGHT



LIGHT SWITCH



CEILING FAN SWITCH



CIRCUIT LINE



SWITCHING LINE

NOTE:

-THE DOWNROD OF THE FANS IN THE HALL SHOULD BE NOT LESS THAN 60"

Addu High School Hall
Client: Ministry of Education

Rev no	Date
01	11 June 2019

Project Number: R/2017/012
Date: June 2019
Architect: Razana Amir
Engineer: Ahmed Zuhair Zaeem
Drawn by: Razana Amir
Checked by: Razana Amir
Interior: -



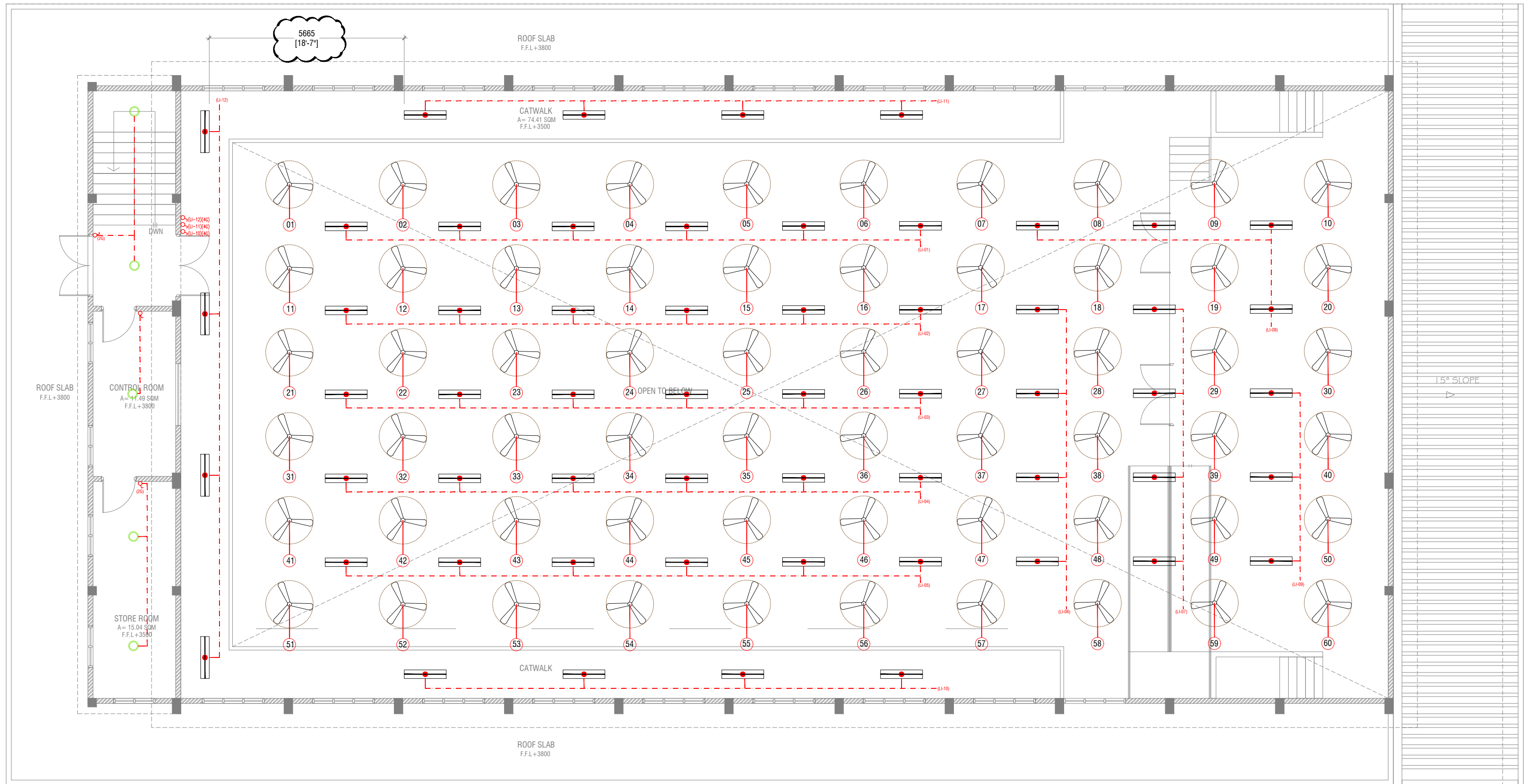
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Title: Ground Floor
Lighting Layout

Page: EL - 01/02

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FIRST FLOOR LIGHTING LAYOUT

SCALE 1:100


0 0.5 1 2 3 4 5





LEGEND

4 x 55W PLL Lamps
(Wire guard, Polycarbonate diffuser, Emergency and dimming versions)

C2  CEILING DOWN LIGHT (18W)

 CEILING FAN (52" - 54")

WPD  OUT DOOR WALL LIGHT

 LIGHT SWITCH
 CEILING FAN SWITCH
 CIRCUIT LINE
 SWITCHING LINE

NOTE:
-THE DOWNROD OF THE FANS IN THE HALL SHOULD BE NOT LESS THAN 60"

Addu High School Hall
Client: Ministry of Education

Rev no	Date
01	11 June 2019

Project Number: P/2017/012
Date: June 2019
Architect: Razana Amir
Engineer: Ahmed Zuhair Zaeem
Drawn by: F. Razana Amir
Checked by: F. Razana Amir
Interior: -

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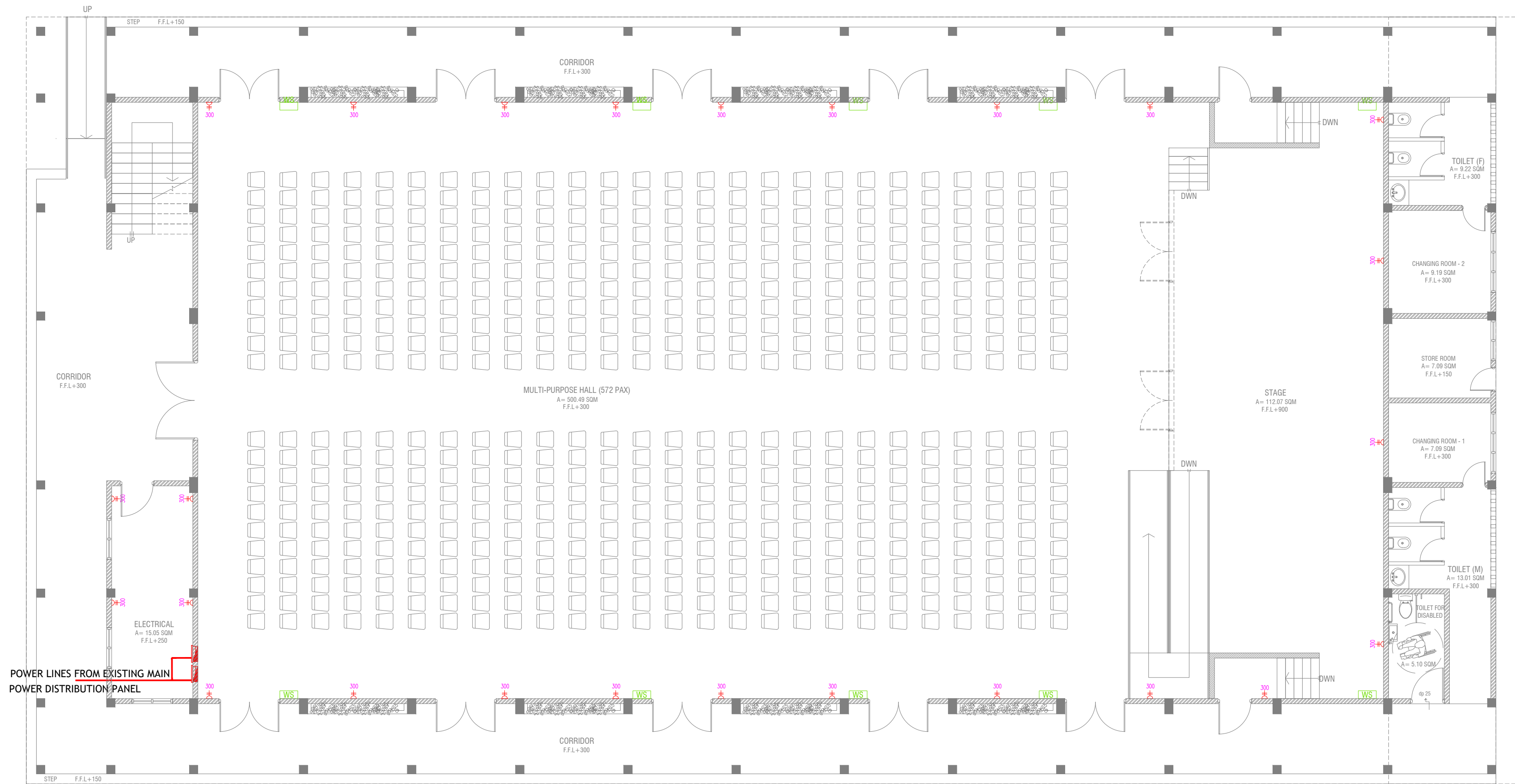


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3rd floor, H. Azum, Ameenemogapu, Malé

Title: 1st Floor
Lighting Layout

Page: EL - 02/02



GROUND FLOOR POWER LAYOUT

SCALE 1:100



- PHONE EXTENSION
- COMPUTER NETWORK OUTLET (RJ 45 CONNECTORS)
- TELEPHONE OUTLET (RJ11, CONNECTOR)
- 13A POWER POINT
- 13A TWIN SOCKET OUTLET
- 15A SWITCHED/ SPUR UNIT @ H.L.
- DISTRIBUTION BOX
- WALL SPEAKERS AT CEILING LEVEL

Addu High School Hall
Client: Ministry of Education

Rev no	Date
01	11 June 2019

Project Number: P/2017/012
Date: June 2019
Architect: Razana Amir
Engineer: Ahmed Zuhair Zaeem
Drawn by: Razana Amir
Checked by: Razana Amir
Interior: -



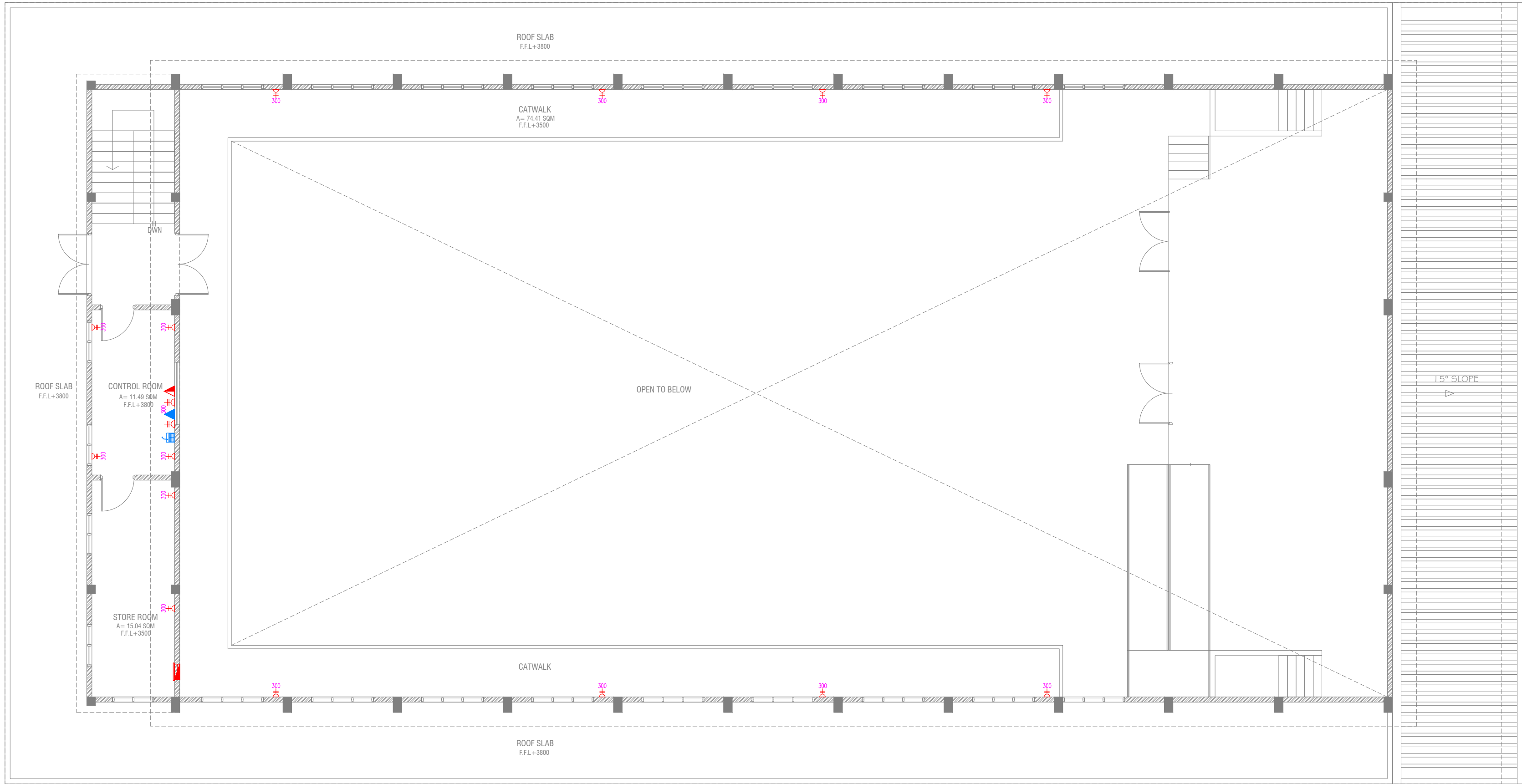
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3rd floor, H. Azumi, Ameenmeemagu, Malé

Title: Ground Floor
Power Layout

Page: EP- 01/02










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FIRST FLOOR POWER LAYOUT

SCALE 1:100

0 0.5 1 2 3 4 5

-  PUBLIC ADDRESS SYSTEM
-  PHONE EXTENSION
-  COMPUTER NETWORK OUTLET (RJ 45 CONNECTORS)
-  TELEPHONE OUTLET (RJ11, CONNECTOR)
-  13A POWER POINT
-  13A TWIN SOCKET OUTLET
-  15A SWITCHED/ SPUR UNIT @ H.L.
-  DISTRIBUTION BOX
-  WALL SPEAKERS AT CEILING LEVEL

Addu High School Hall
Client: Ministry of Education

Rev no	Date
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Project Number: RI/2017/012
Date: June 2019
Architect: Razana Amir
Engineer: Ahmed Zuhair Zaeem
Drawn by: F. Razana Amir
Checked by: F. Razana Amir
Interior: -



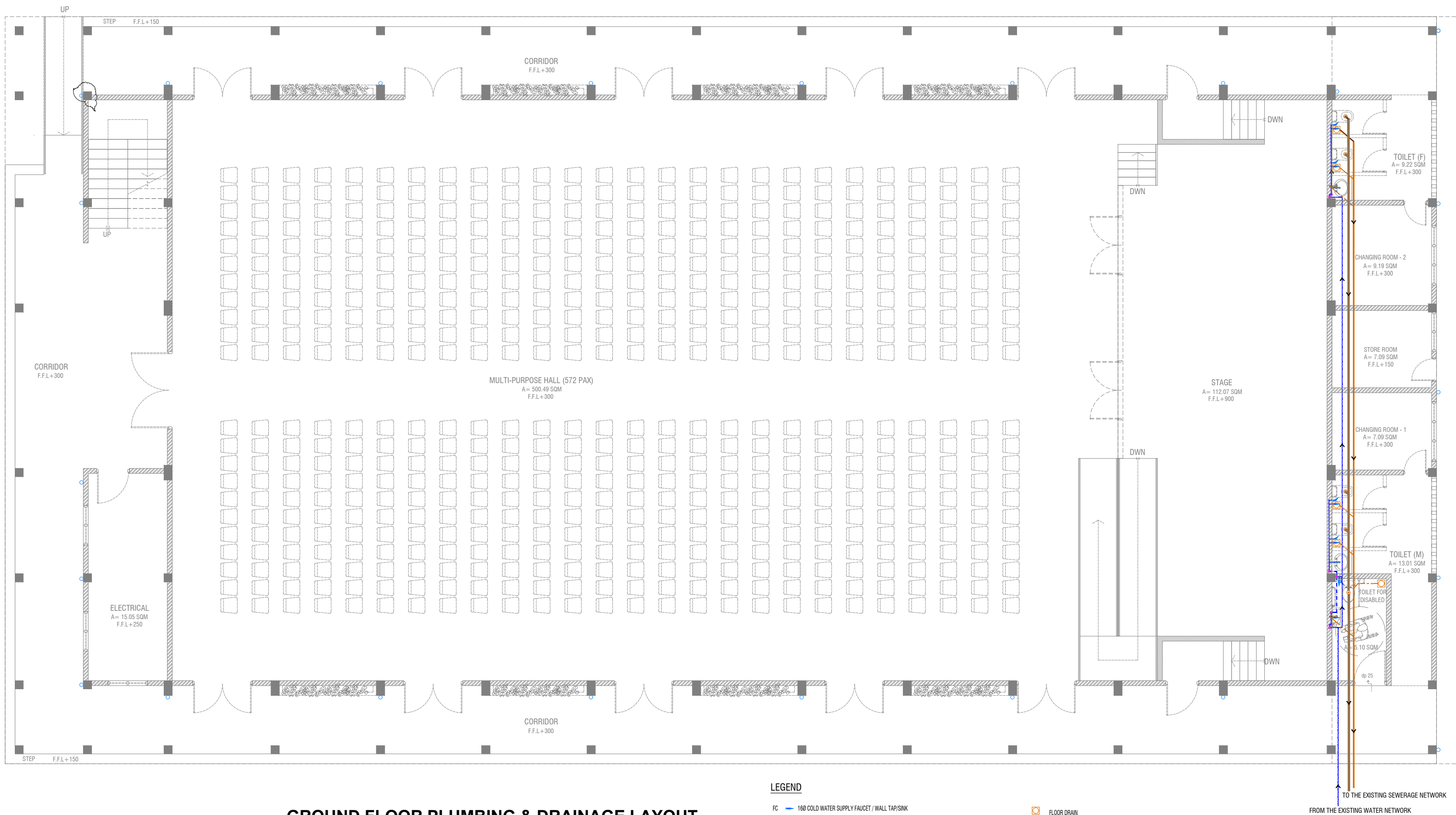
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Title: 1st Floor
Power Layout

Page: EP- 02/02

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GROUND FLOOR PLUMBING & DRAINAGE LAYOUT

SCALE 1:100



LEGEND

- FC 160 COLD WATER SUPPLY FAUCET / WALL TAP/SINK
- 160 COLD WATER SUPPLY TO CISTERN
- GV GATE VALVE
- RISE IN WALL
- DROP IN WALL
- 320 COLD WATER SUPPLY PIPES RUNNING UNDERGROUND
- 250 COLD WATER SUPPLY PIPES RUNNING IN WALLS
- 250 COLD WATER SUPPLY PIPES RUNNING UNDERGROUND
- 250 COLD WATER SUPPLY PIPES RUNNING ABOVE FALSE CEILING

- FLOOR DRAIN
- FLOOR GULLY
- 1100 SOIL PIPE (CPVC PIPE)
- 820 WASTE PIPE (CPVC PIPE)
- 400 WASTE PIPE (CPVC PIPE)
- 500 WASTE PIPE (CPVC PIPE)
- 820 MANHOLE VENT PIPE (CPVC PIPE)
- BOTTLE TRAP

NOTES:-
-ALL COLD WATER PIPES SHOULD BE CPVC

Addu High School Hall
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Project Manager: R/2017/012
Date: June 2019
Architect: Razana Amir
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Drawn by: Razana Amir
Checked by: Razana Amir
Interior: -



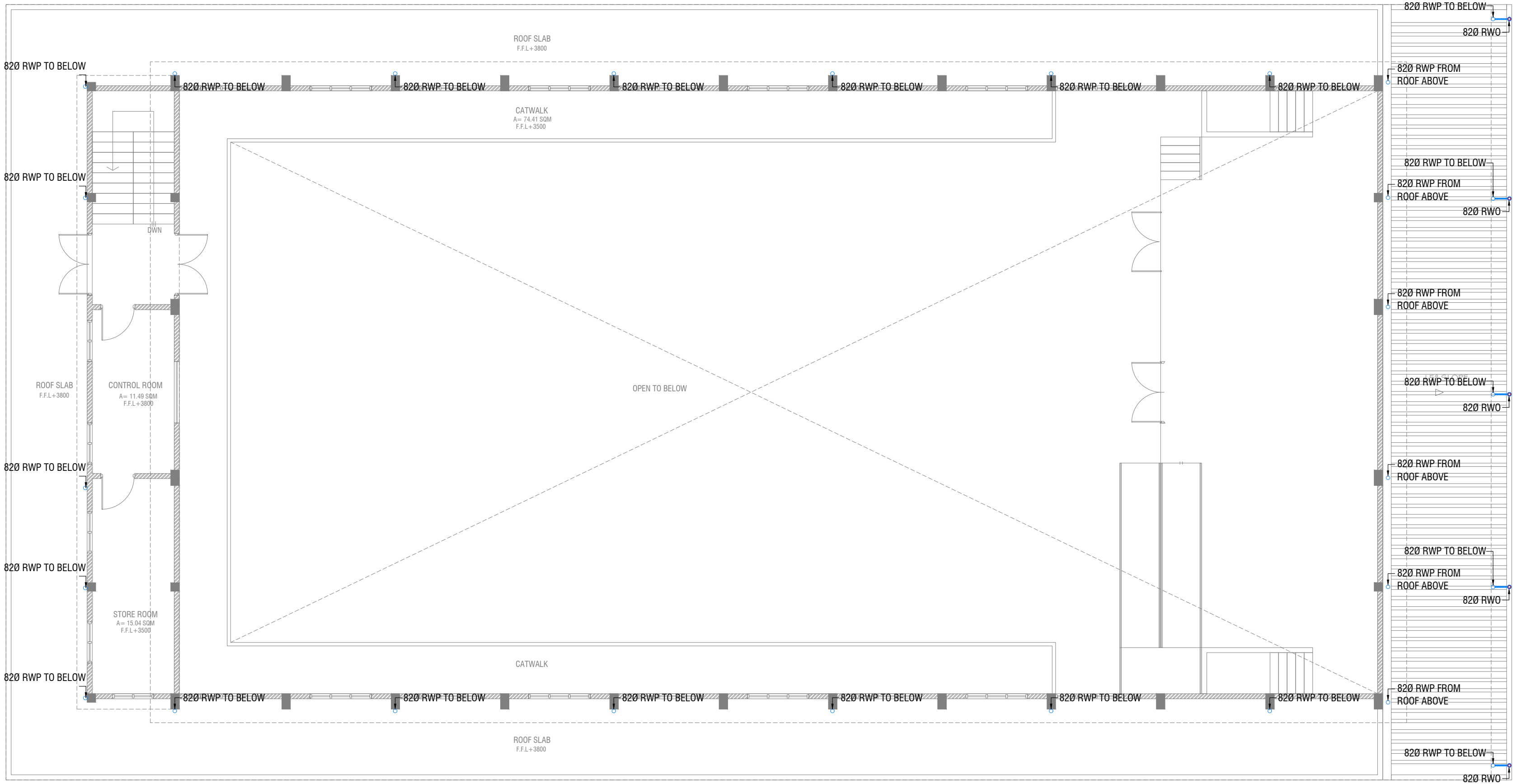
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Title: Ground Floor Plumbing and Drainage Layout

Page: DR- 01/04

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FIRST FLOOR DRAINAGE LAYOUT

SCALE 1:100



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Client: Ministry of Education

Rev no	Date
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Project Number: 02/2017/012
Date: June 2019
Architect: Razana Amir
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Drawn by: F. Razana Amir
Checked by: F. Razana Amir
Interior: -



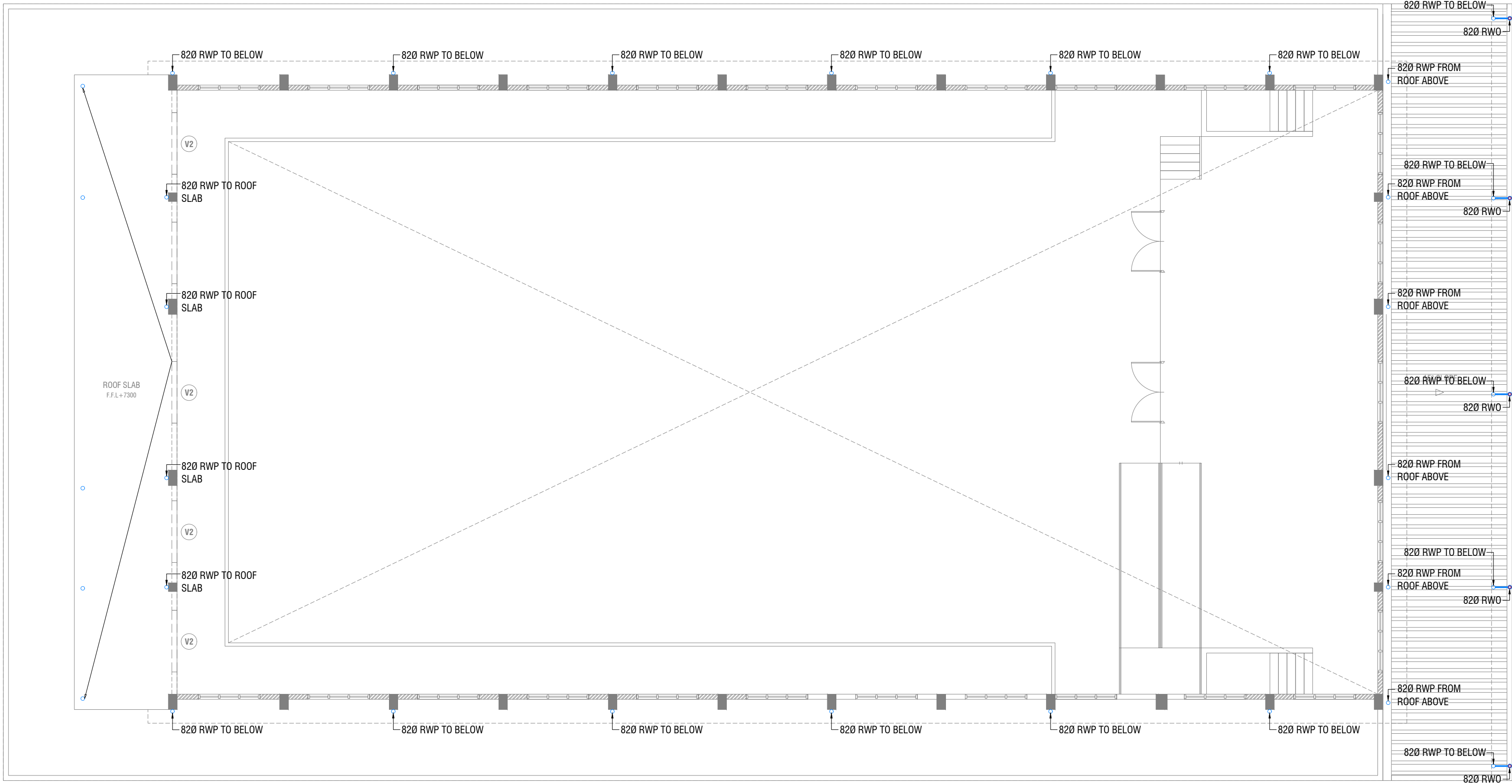
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Title: 1st Floor
Drainage Layout

Page: DR- 02/04

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ROOF PLAN - 1 DRAINAGE LAYOUT

SCALE 1:100



Addu High School Hall
Client: Ministry of Education

Rev no	Date
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Project Number: P/2017/012
Date: June 2019
Architect: Razana Amir
Engineer: Ahmed Zuhail Zaem
Drawn by: F. Razana Amir
Checked by: F. Razana Amir
Interior: -



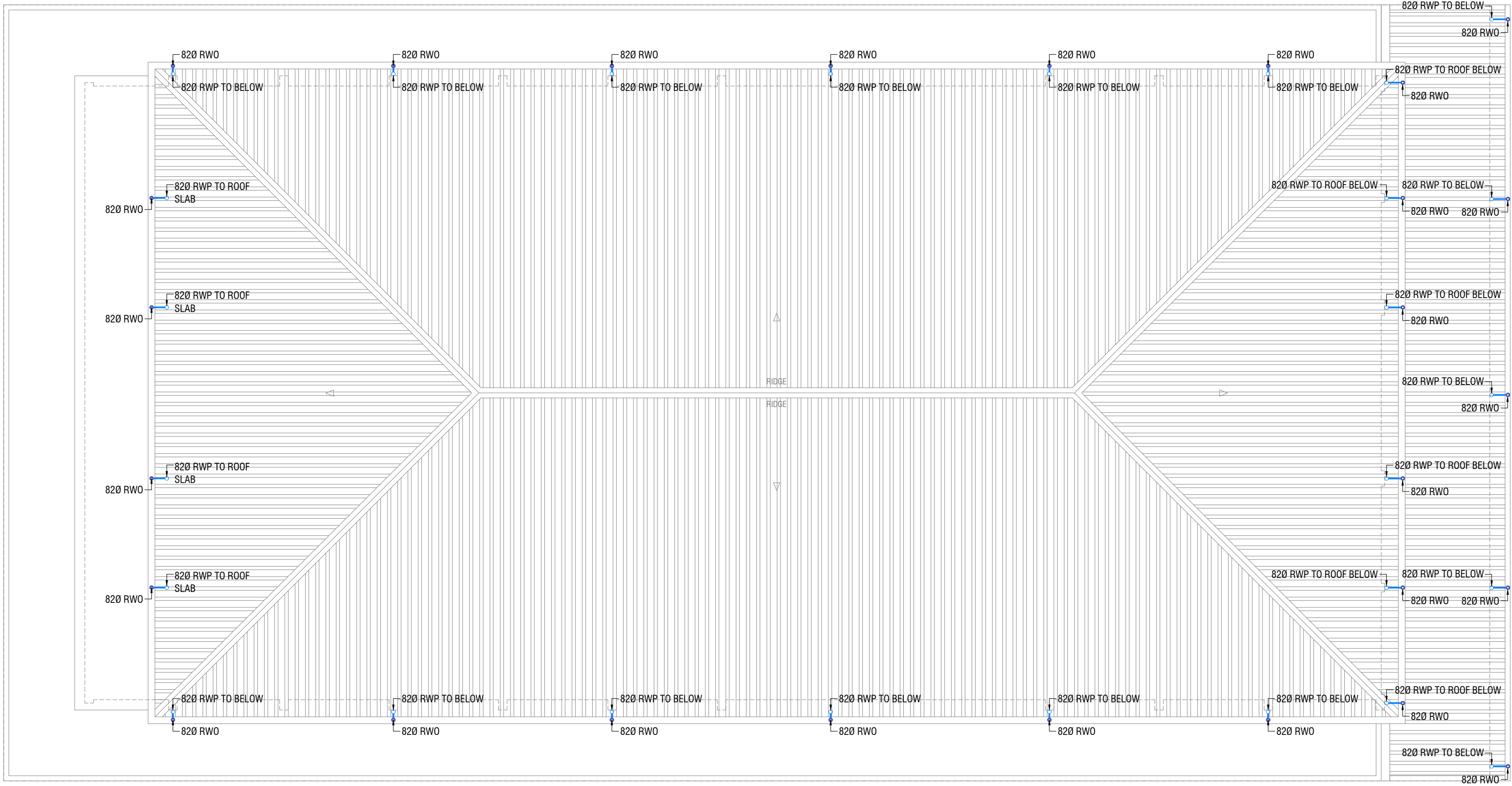
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Title: Roof Plan -1
Drainage Layout

Page: DR- 03/04

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ROOF PLAN - 2 DRAINAGE LAYOUT

SCALE 1:100



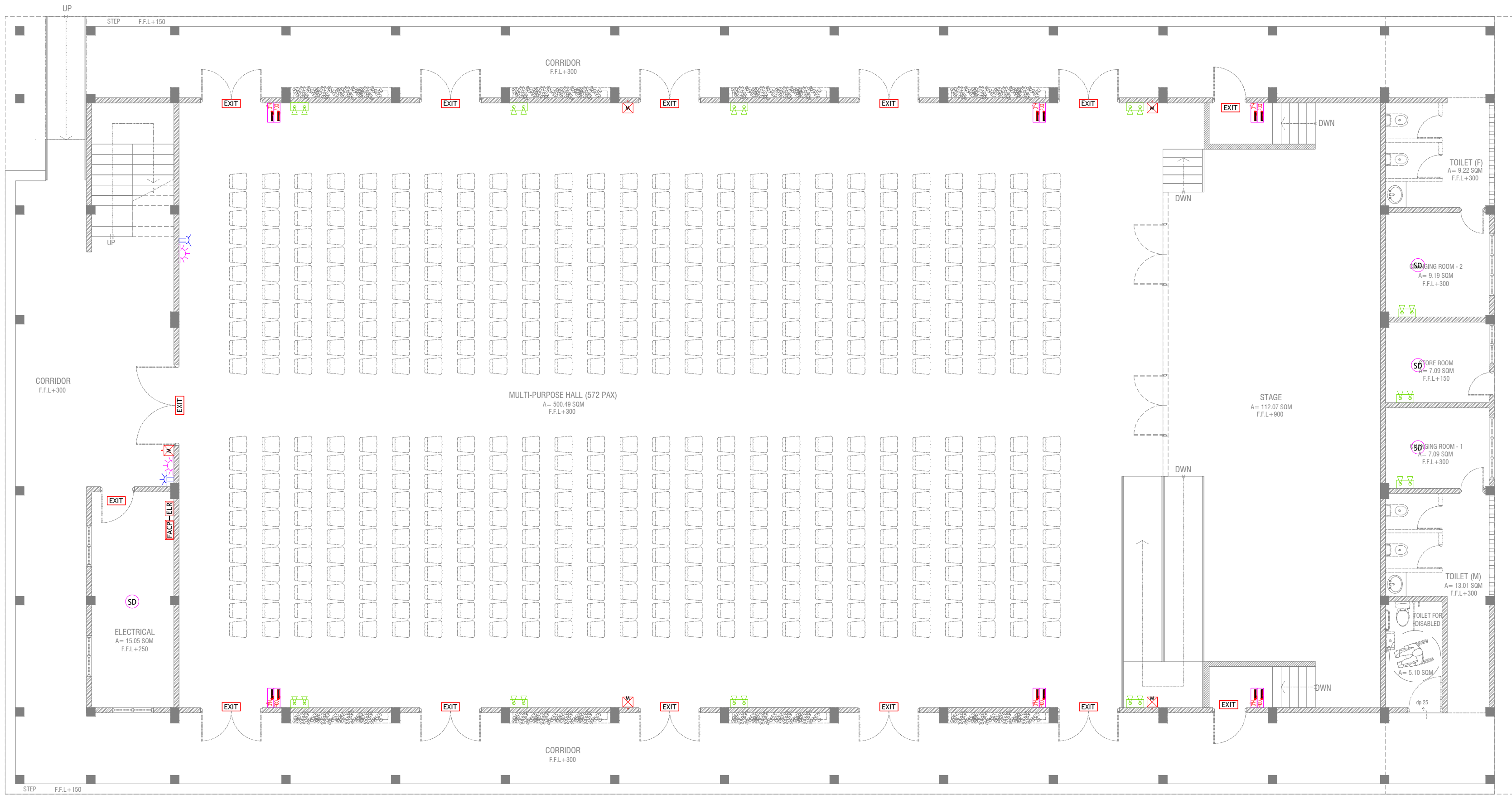
Addu High School Hall
Client: Ministry of Education

Rev no	Date
01	11 June 2019

Project Number: 01/2017/012
Date: June 2019
Architect: Razana Amir
Engineer: Ahmed Zuhair Zaeem
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Interior: Razana Amir



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GROUND FLOOR FDP LAYOUT

SCALE 1:100



LEGEND

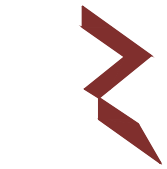
	SMOKE DETECTOR		END OF LINE RESISTANCE
	HEAT DETECTOR		FIRE ALARM CONTROL PANEL
	EXIT SIGN		MANUAL CALL POINT (RESETTABLE)
	EMERGENCY LIGHT		BEACON
	CO ₂ EXTINGUISHER (LOAD 2KG) IN POLYCARBONATE ENCLOSURE (TYP.)		SOUNDER BELL (95 DB)
	DRY CHEMICAL FIRE EXTINGUISHER (LOAD 7.5KG)		
	H ₂ O EXTINGUISHER (LOAD 9L) IN POLYCARBONATE ENCLOSURE (TYP.)		

ALL FIRE RATED DOOR SHOULD COME WITH PROTRUDING SPRINGER SEAL TRAP.

1. ALL PIPES SHOULD BE UNLIMITED SCHEDULE 40.
2. ALL PIPE SHALL BE PAINTED IN RED AS PER REGULATION.
3. ALL SUPPORT BRACKET SHALL BE HOT DIPPED GALVANIZED TO 100GSM.
4. ALL FIRE EXTINGUISHER INSIDE CABINETS, (CABINET SHOULD BE PROVIDED).

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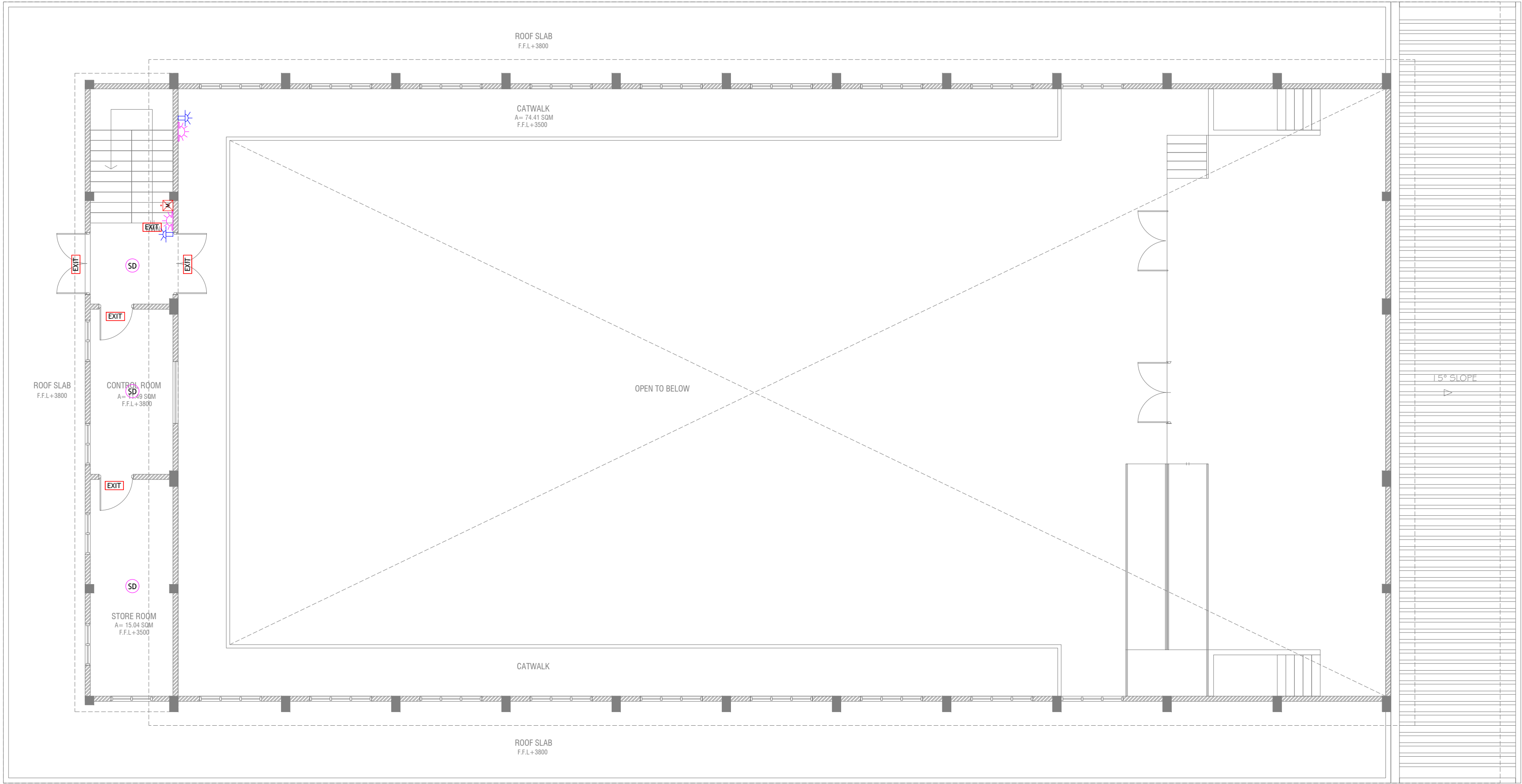
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01	11 June 2019



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Title: Ground Floor
FDP Layout
Page:FDP- 01/02

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FIRST FLOOR FDP LAYOUT
SCALE 1:100



LEGEND	
SD	SMOKE DETECTOR
HD	HEAT DETECTOR
EXIT	EXIT SIGN
EM	EMERGENCY LIGHT
CO ₂ EXTINGUISHER (LOAD 2ND IN POLYCARBONATE ENCLOSURE(TYP.))	
WET CHEMICAL FIRE EXTINGUISHER (LOAD 7.2KG)	
H ₂ O EXTINGUISHER (LOAD 1KG IN POLYCARBONATE ENCLOSURE(TYP.))	
ELR	END OF LINE RESISTANCE
FACP	FIRE ALARM CONTROL PANEL
MANUAL CALL POINT (RESETTABLE)	
BEACON	
SOUNDER/BELL (80 DB)	
ALL FIRE RATED DOOR SHOULD COME WITH PACKING (EXPANSION SEAL TRAP)	
1. ALL PIPES SHOULD BE GALVANIZED (SCHEDULE 40)	
2. ALL PIPES SHALL BE PAINTED IN RED AND FOR REGULATION	
3. ALL SUPPORT BRACKET SHALL BE HOT DIPPED GALVANIZED TO 70MM	
4. ALL FIRE EXTINGUISHER INSIDE CABINETS (CABINET SHOULD BE PROVIDED)	

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Interior: -



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3rd floor, H. Azum, Ameenemogapu, Malé

Title: 1st Floor
FDP Layout
Page: FDP- 02/02