

# Proposed Multipurpose Hall Building at Lh.Kurendhoo School

***SERVICES DRAWINGS***  
Client: Ministry of Education



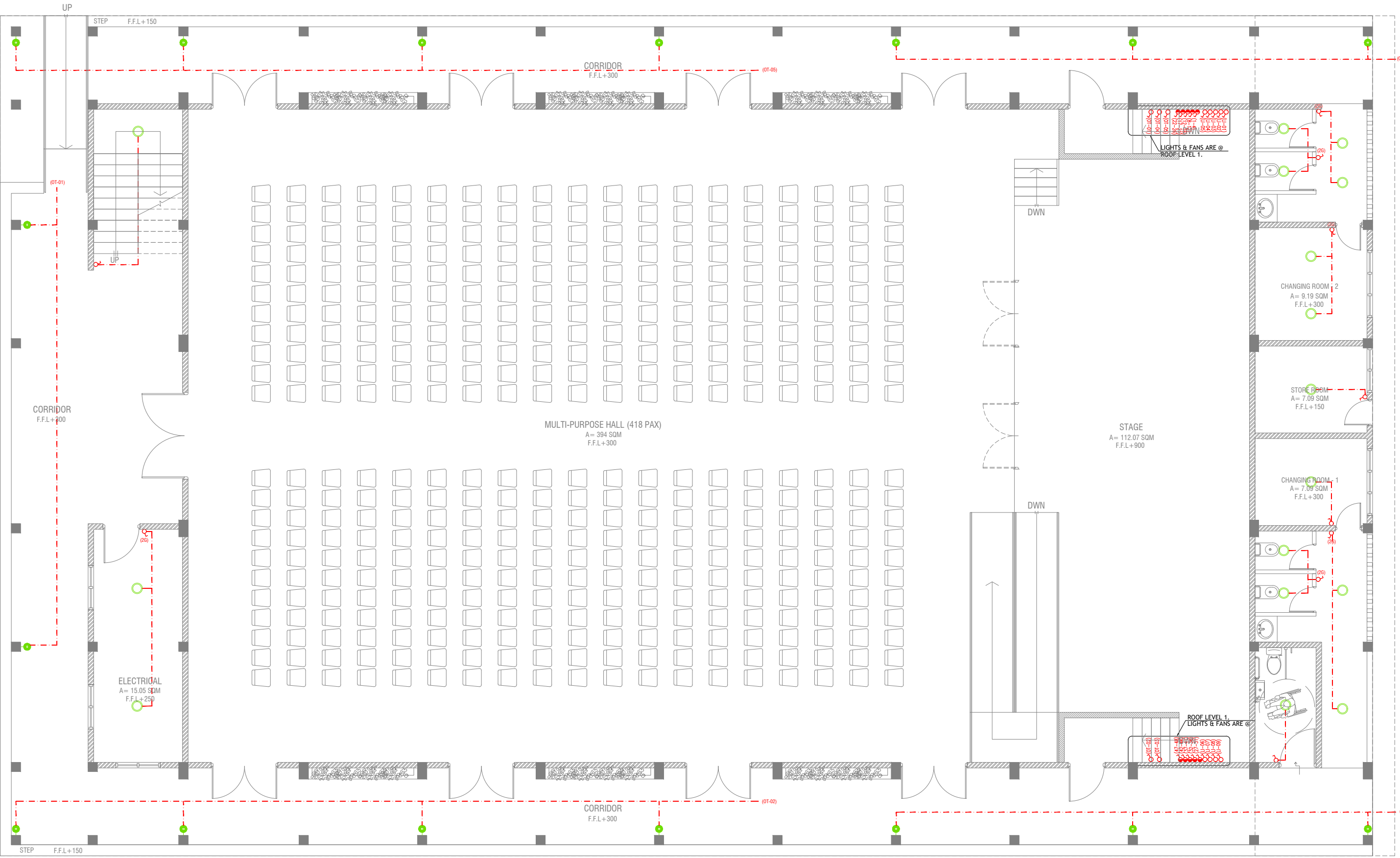
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3rd floor, H. Azum, Ameenemogu, Male

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# GROUND FLOOR LIGHTING LAYOUT

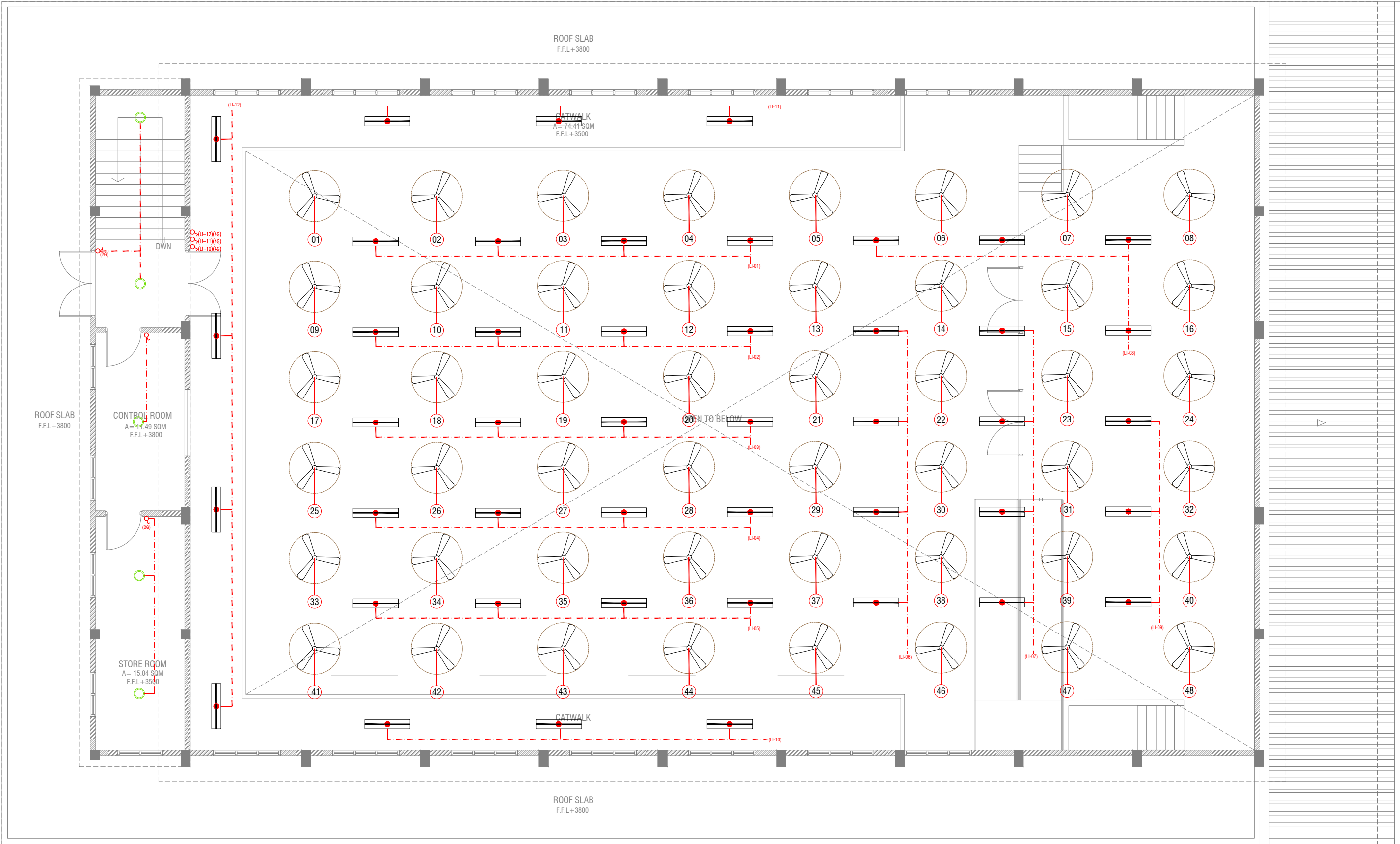
SCALE 1:100

## 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"




# 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)

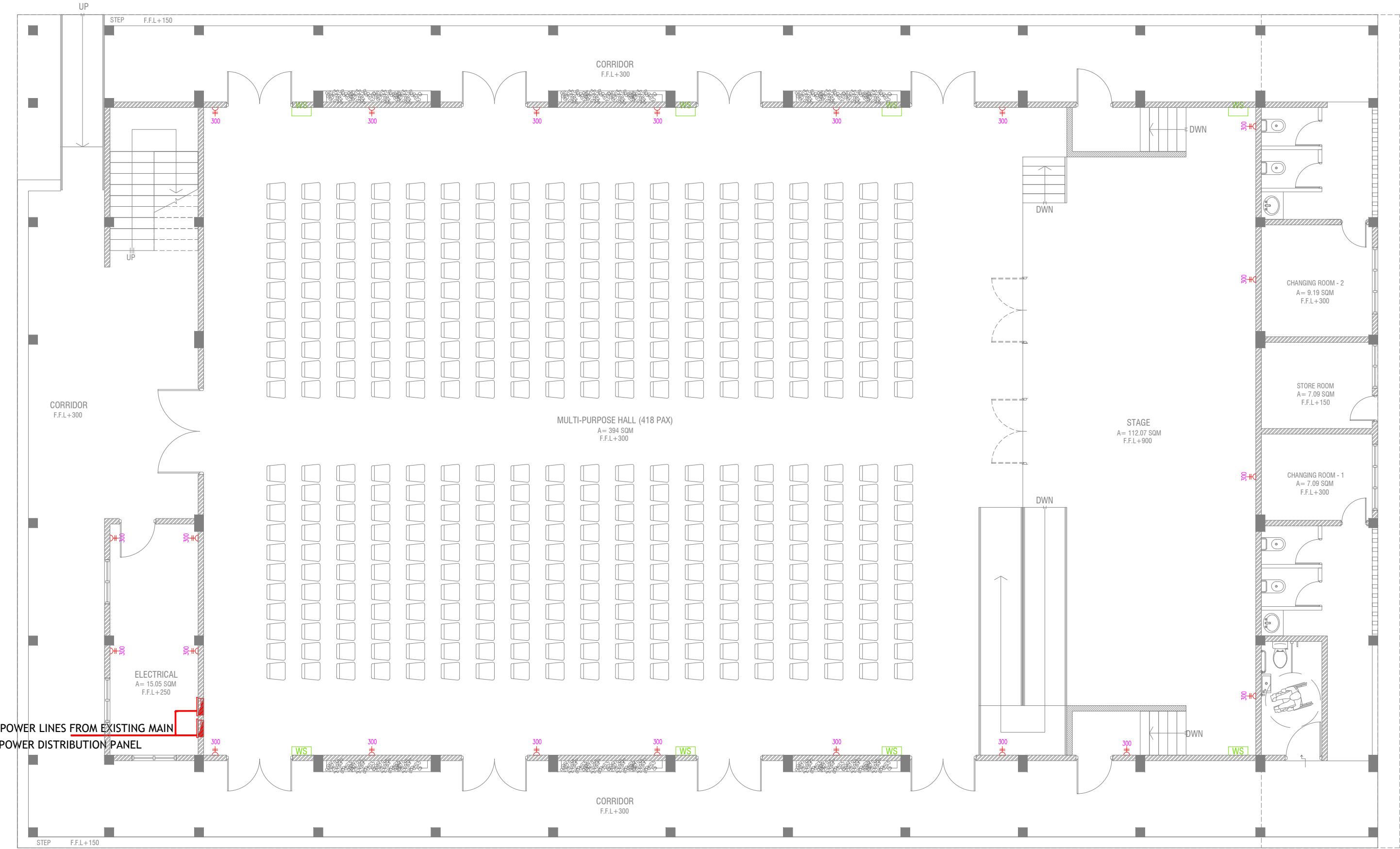
C2  CEILING DOWN LIGHT ( 18W)

 CEILING FAN (52" - 54")

WPD  OUT DOOR WALL LIGHT

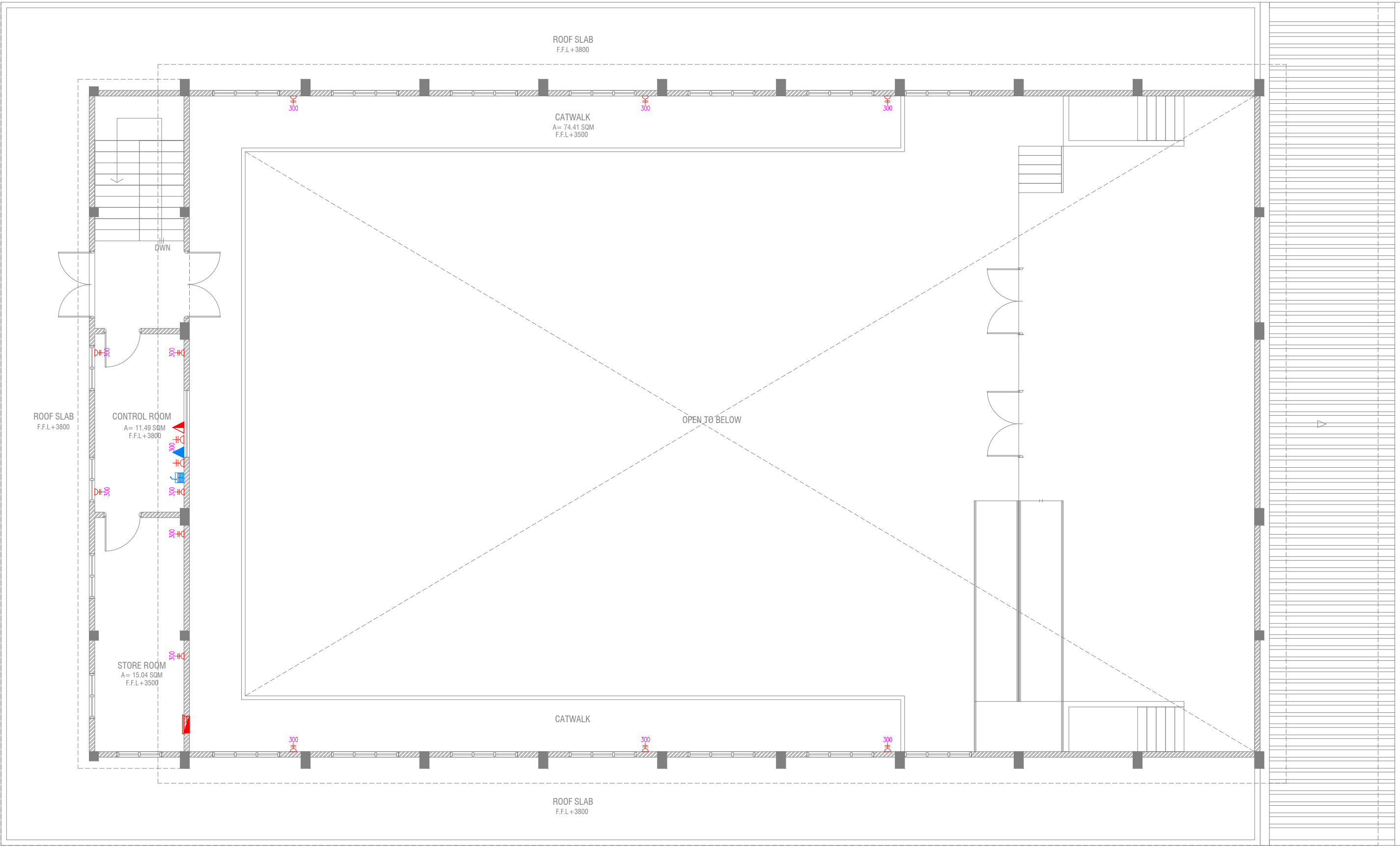
 LIGHT SWITCH  
 CEILING FAN SWITCH  
 CIRCUIT LINE  
 SWITCHING LINE

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



**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

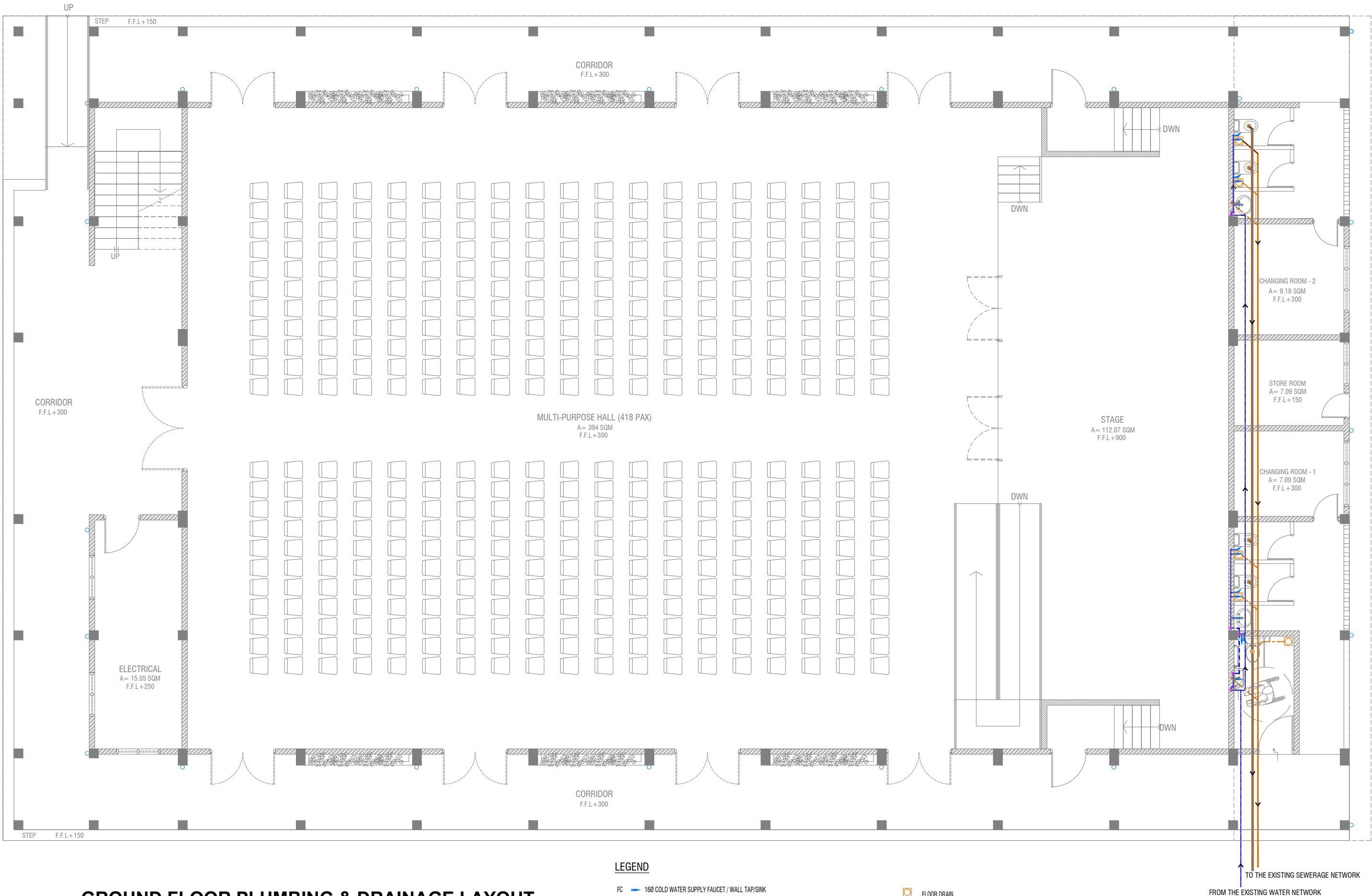


# FIRST FLOOR POWER LAYOUT

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



GROUND FLOOR PLUMBING & DRAINAGE LAYOUT

SCALE 1:100



LEGEND

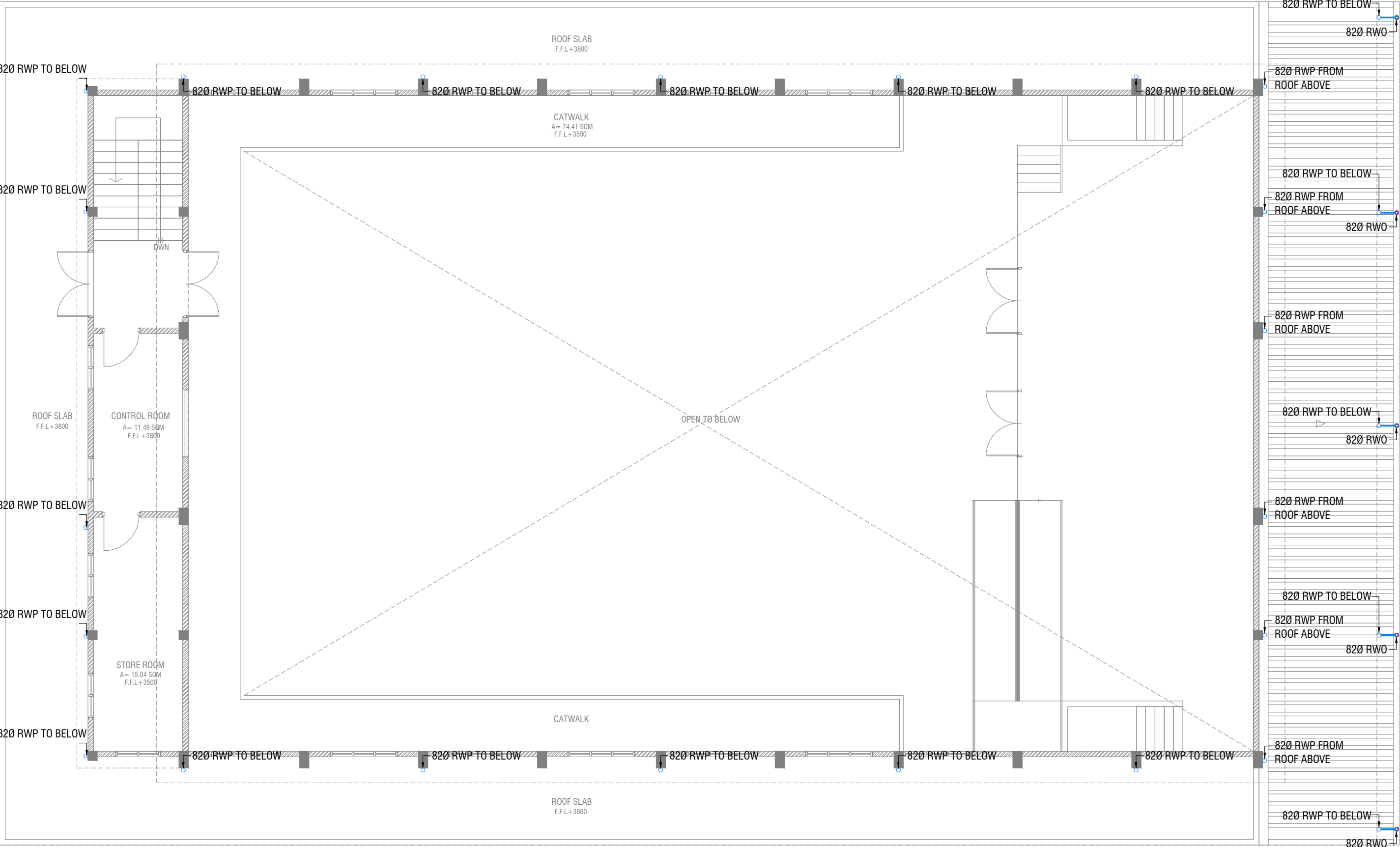
- FC

160 COLD WATER SUPPLY FAUCET / WALL TAP/SINK
- GV

160 COLD WATER SUPPLY TO CISTERN
- 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



**FIRST FLOOR DRAINAGE LAYOUT**

SCALE 1:100



Rev no	Date
01	11 June 2019
Project Number: R/2017/012	
Date: June 2019	
Architect: Hazana Amir	
Engineer: Ahmed Zuhair Zakiem	
Services: Architectural	
Interior: -	

Lh.Kurendhoo School Hall  
Client: Ministry of Education



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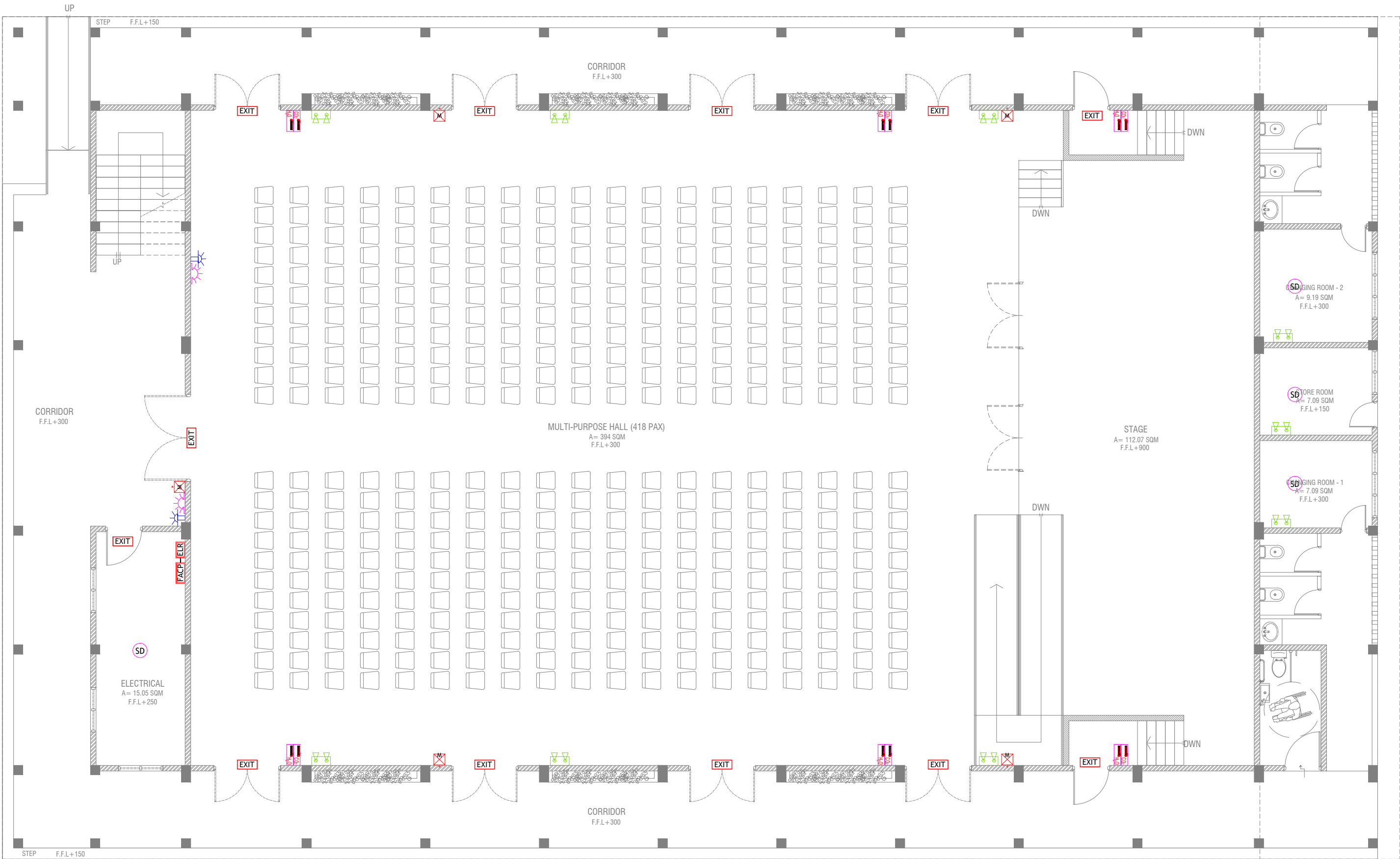
Title: 1st Floor  
Drainage Layout  
Page:DR - 02/04

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GROUND FLOOR FDP LAYOUT

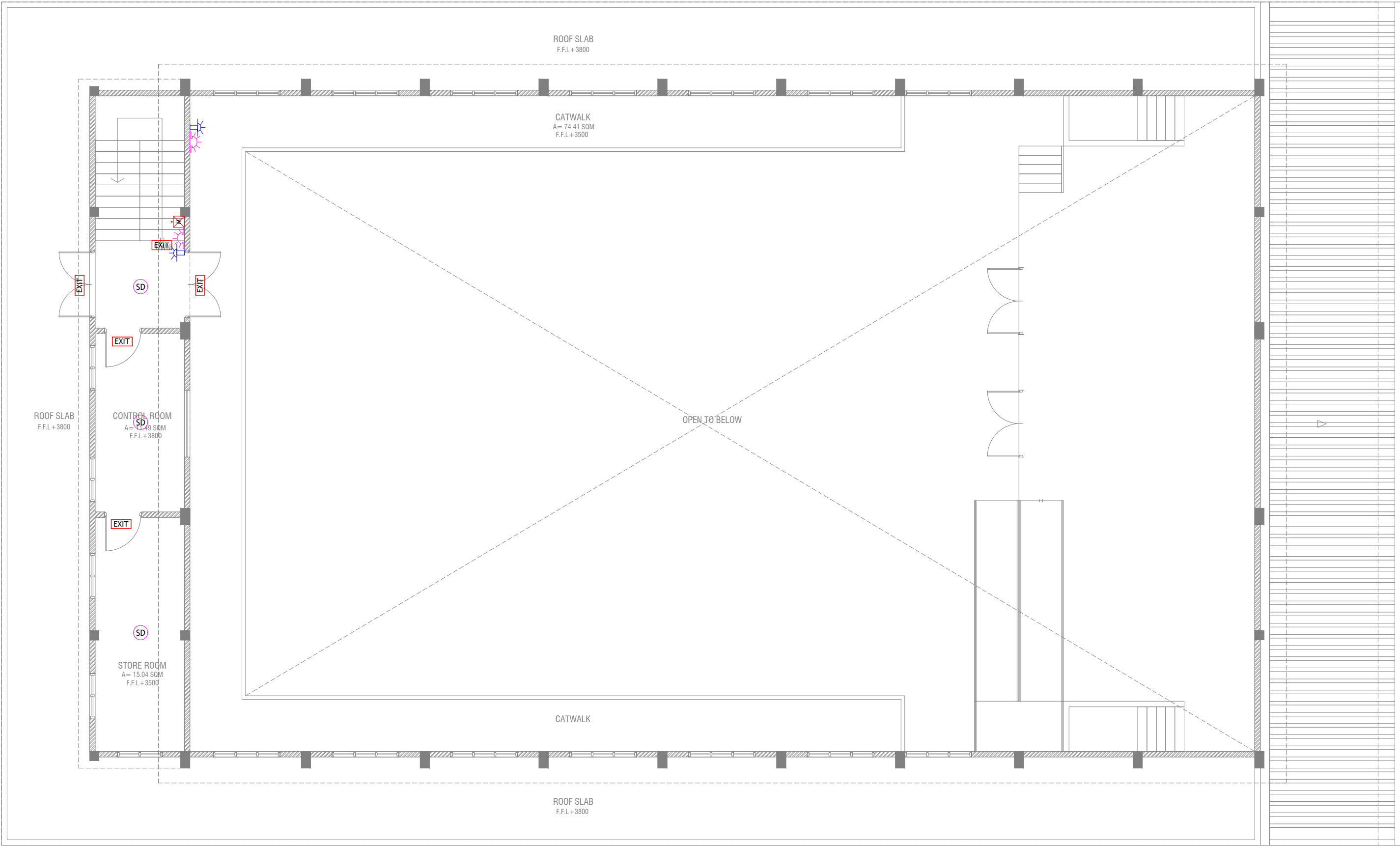
SCALE 1:100



LEGEND	
	SMOKE DETECTOR
	HEAT DETECTOR
	EXIT SIGN
	EMERGENCY LIGHT
	CO <sub>2</sub> EXTINGUISHER (LOAD: 2KG) IN POLYCARBONATE ENCLOSURE(TYP.)
	WET CHEMICAL FIRE EXTINGUISHER (LOAD 7.2KG)
	H <sub>2</sub> O EXTINGUISHER (LOAD: 9L) IN POLYCARBONATE ENCLOSURE(TYP.)
	END OF LINE RESISTANCE
	FIRE ALARM CONTROL PANEL
	MANUAL CALL POINT (RESETTABLE)
	BEACON
	SOUNDER/BELL (85 DB)

ALL FIRE RATED DOOR SHOULD COME WITH PACKING (EXPANSION SEAL TRAP)

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



# FIRST FLOOR FDP LAYOUT

SCALE 1:100

0 0.5 1 2 3 4 5

## LEGEND

- SD SMOKE DETECTOR
- HD HEAT DETECTOR
- EXIT EXIT SIGN
- EM EMERGENCY LIGHT

- CO<sub>2</sub> EXTINGUISHER (LOAD: 2KG) IN POLYCARBONATE ENCLOSURE(TYP.)
- WET CHEMICAL FIRE EXTINGUISHER (LOAD 7.2KG)
- H<sub>2</sub>O EXTINGUISHER (LOAD: 9L) IN POLYCARBONATE ENCLOSURE(TYP.)

- ELR END OF LINE RESISTANCE
- FACP FIRE ALARM CONTROL PANEL
- MANUAL CALL POINT (RESETTABLE)
- BEACON
- SOUNDER/BELL (85 DB)

ALL FIRE RATED DOOR SHOULD COME WITH PACKING (EXPANSION SEAL TRAP)

1. ALL PIPES SHOULD BE GALVANIZED SCHEDULE 40.
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4. ALL FIRE EXTINGUISHER INSIDE CABINETS. (CABINET SHOULD BE PROVIDED)

Lh.Kurendhoo School Hall  
Client: Ministry of Education

Rev no	Date
01	11 June 2019
Project Number: RI/2017/012	
Date: June 2019	
Architect: Hazana Amir	
Engineer: Ahmed Zuhair Zakiem	
Services: Ashraf Ahmed	
Interior: -	



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

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