

# Proposed Multipurpose Hall Building at GDh.Gadhoo School

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

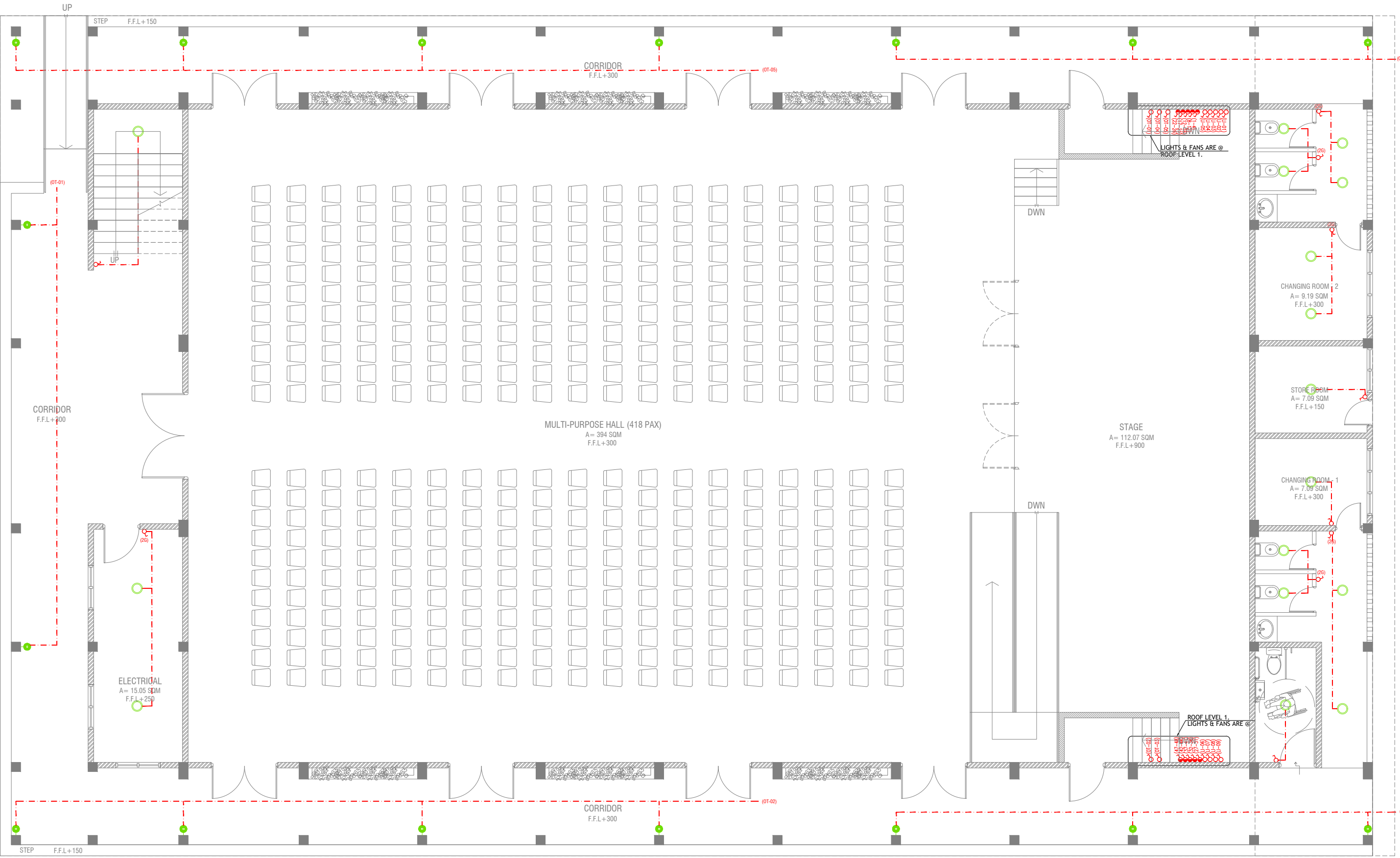


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3rd floor, H. Azum, Ameenemogu, Male

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GROUND FLOOR LIGHTING LAYOUT

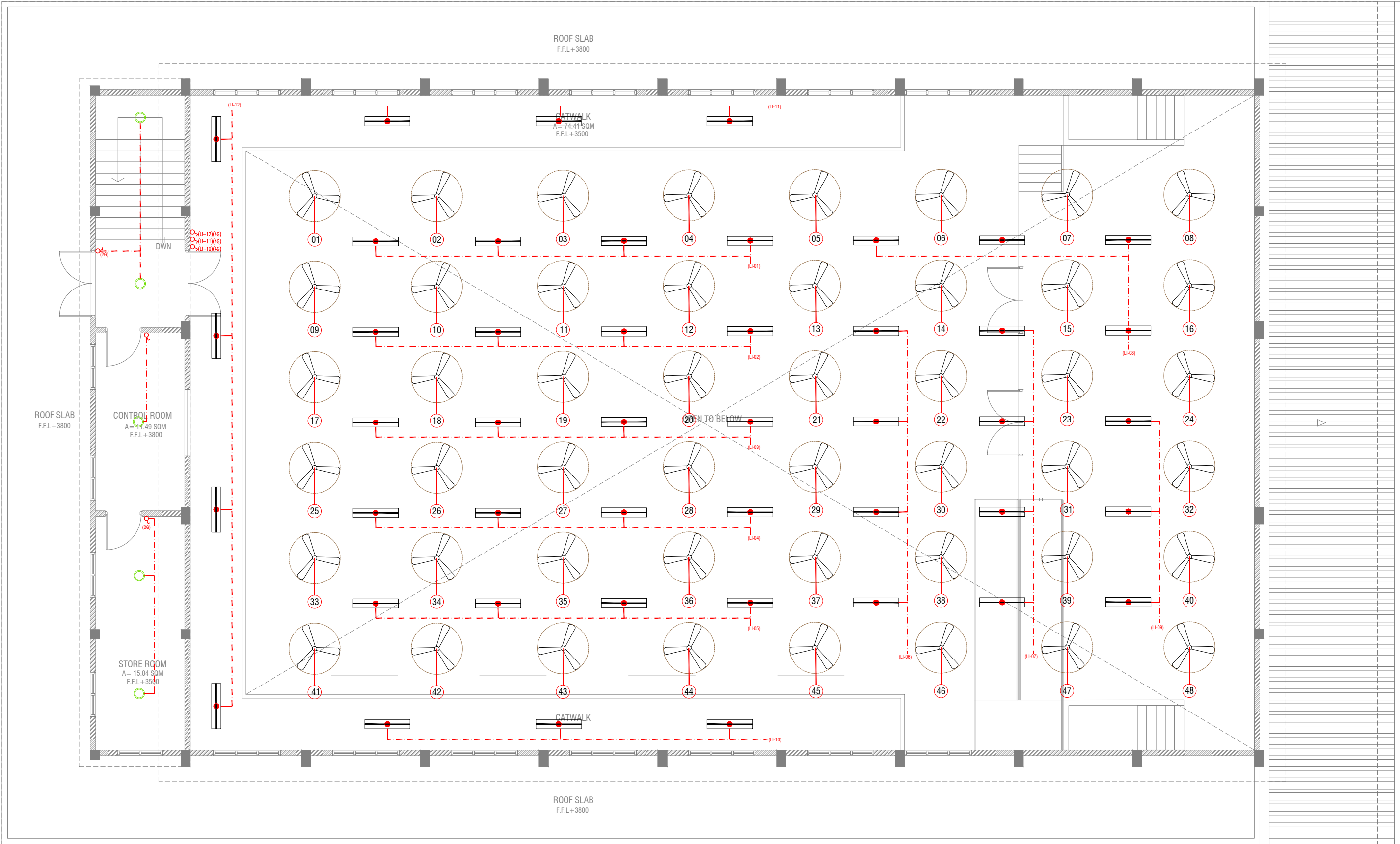
SCALE 1:100

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



**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"

GDh.Gadhoo School Hall  
Client: Ministry of Education

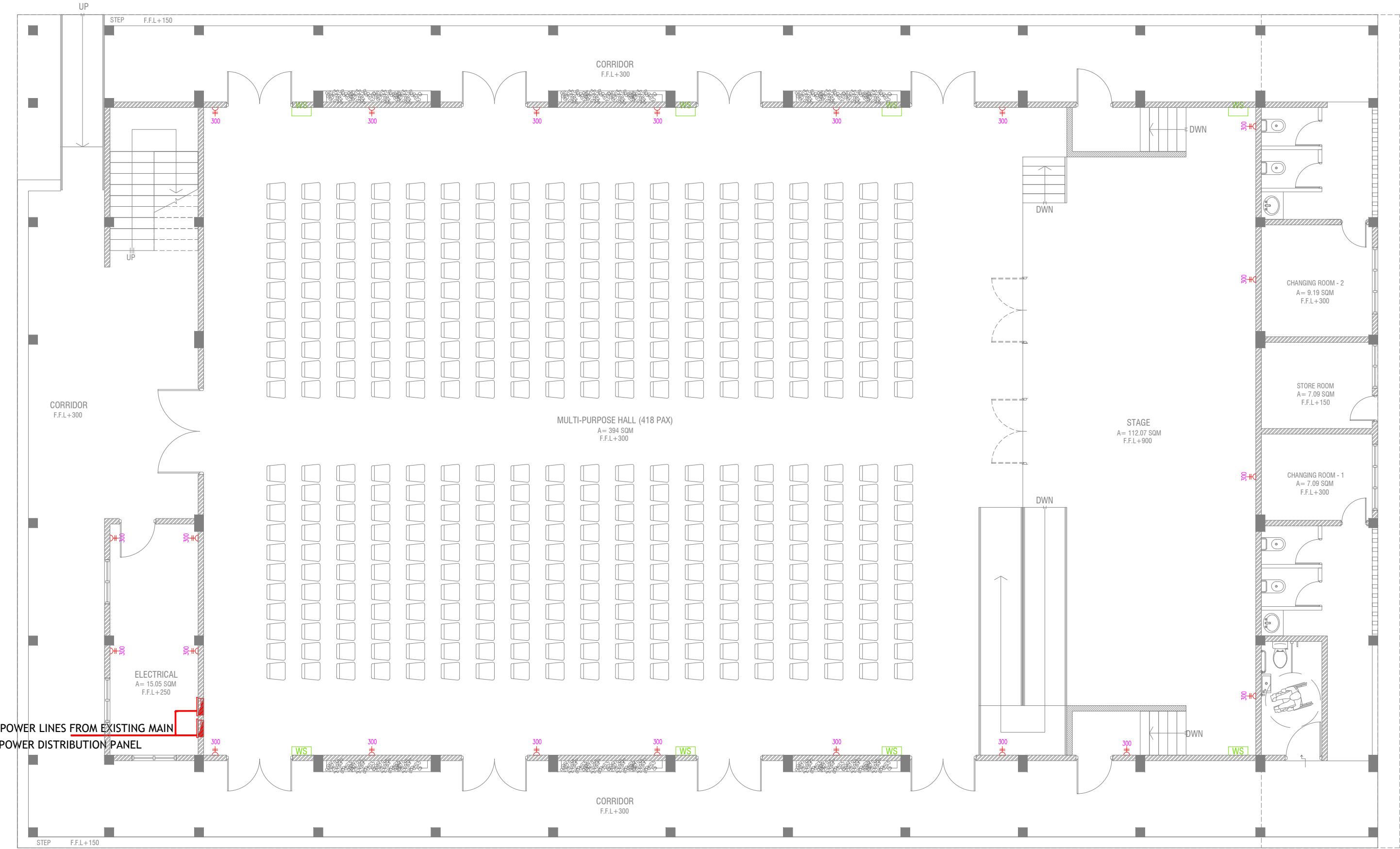
Project Number: RI/2017/012  
Date: June 2019  
Architect: Razana Amir  
Engineer: Ahmed Zuhair Zakiem  
Services: Ashraf Ahmed  
Interior: -



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Title: 1st Floor  
Lighting Layout  
Page: EL - 02/02

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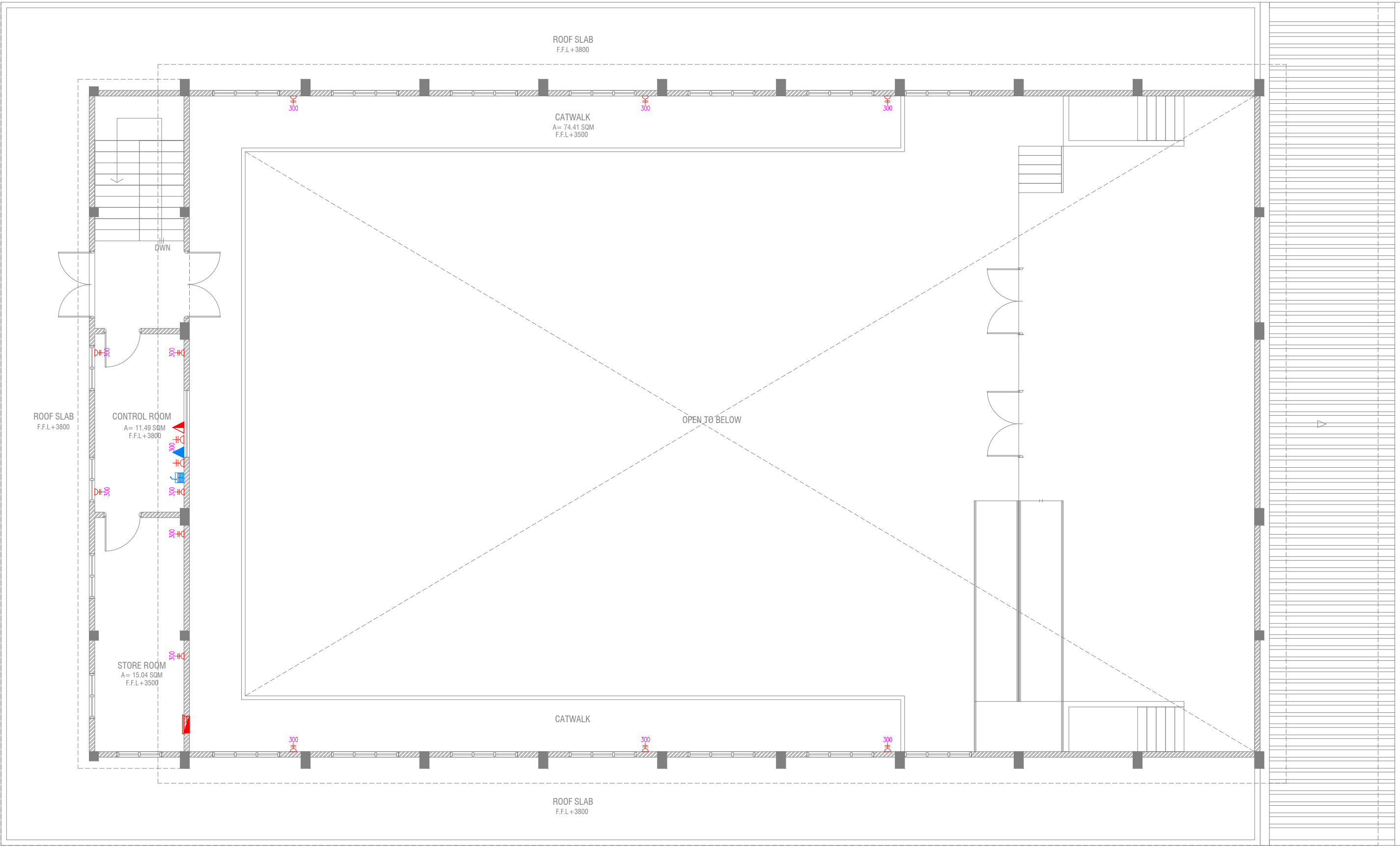


# GROUND FLOOR POWER LAYOUT

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

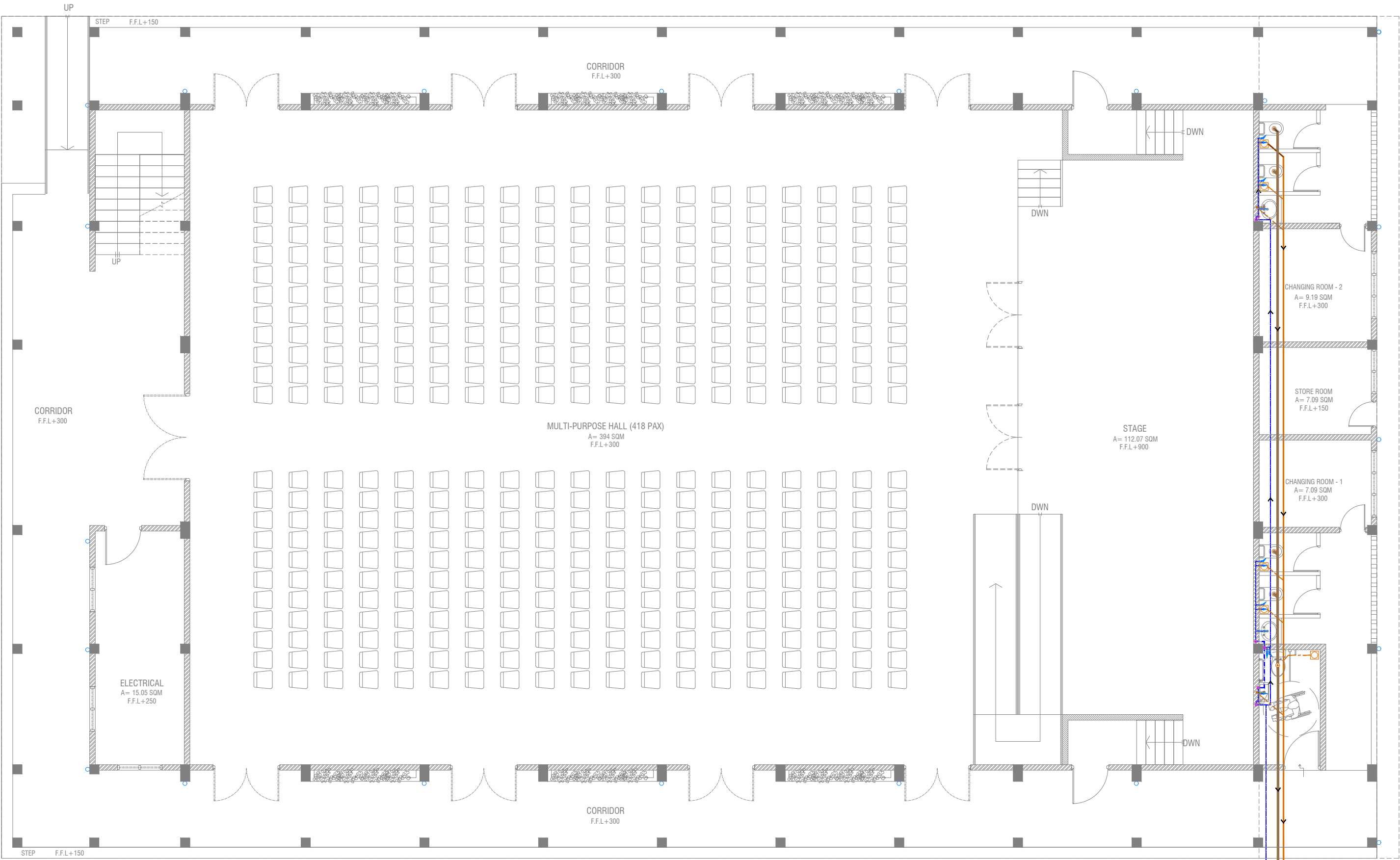


**FIRST FLOOR POWER LAYOUT**

SCALE 1:100



-  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

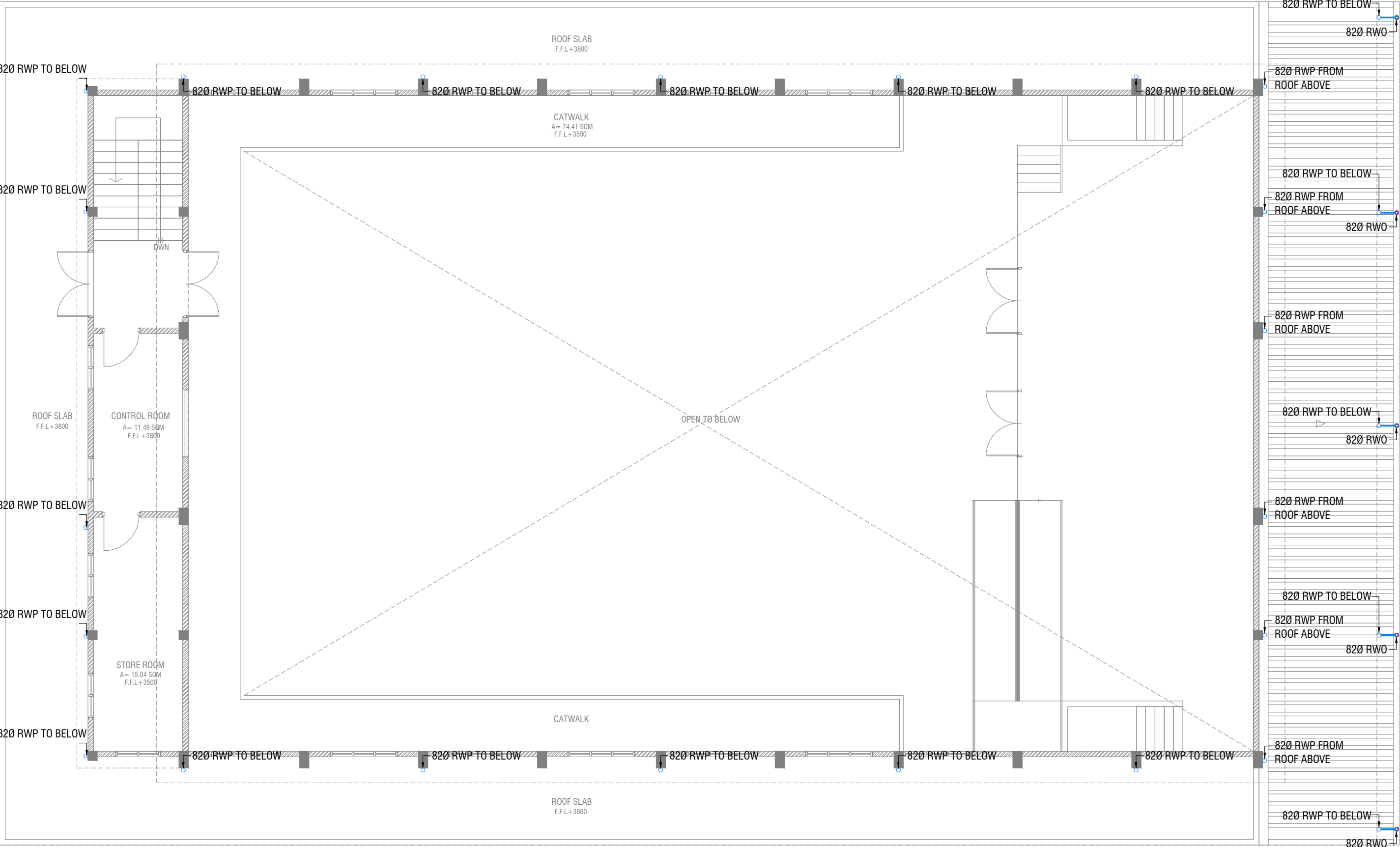
- FC

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



Project Number: R/2017/012  
Date: June 2019  
Architect: Hazana Amir  
Engineer: Ahmed Zuhair Zakiem  
Services: Architectural  
Interior: -

Rev no	Date
1	2019/06/01
2	2019/06/01
3	2019/06/01

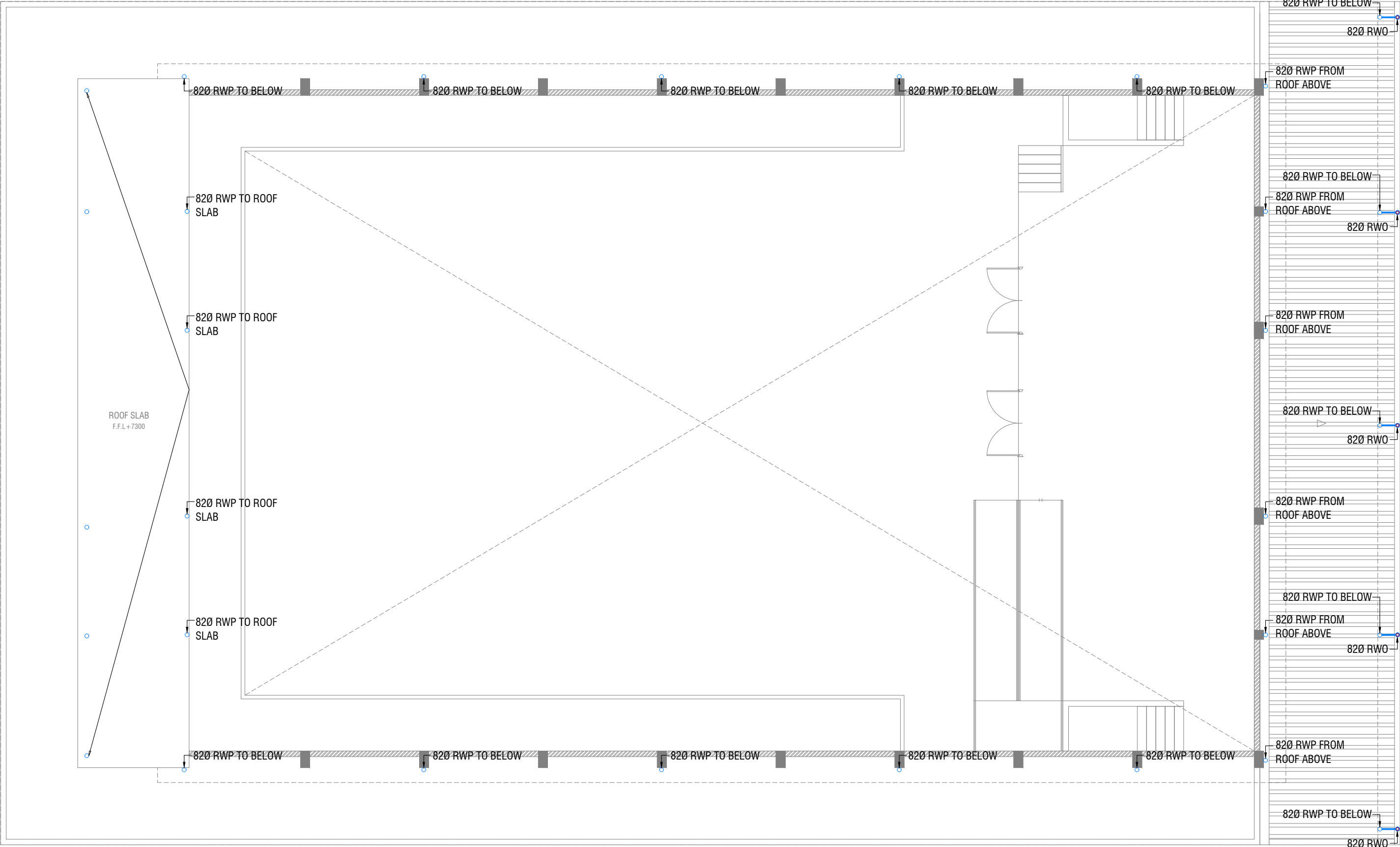
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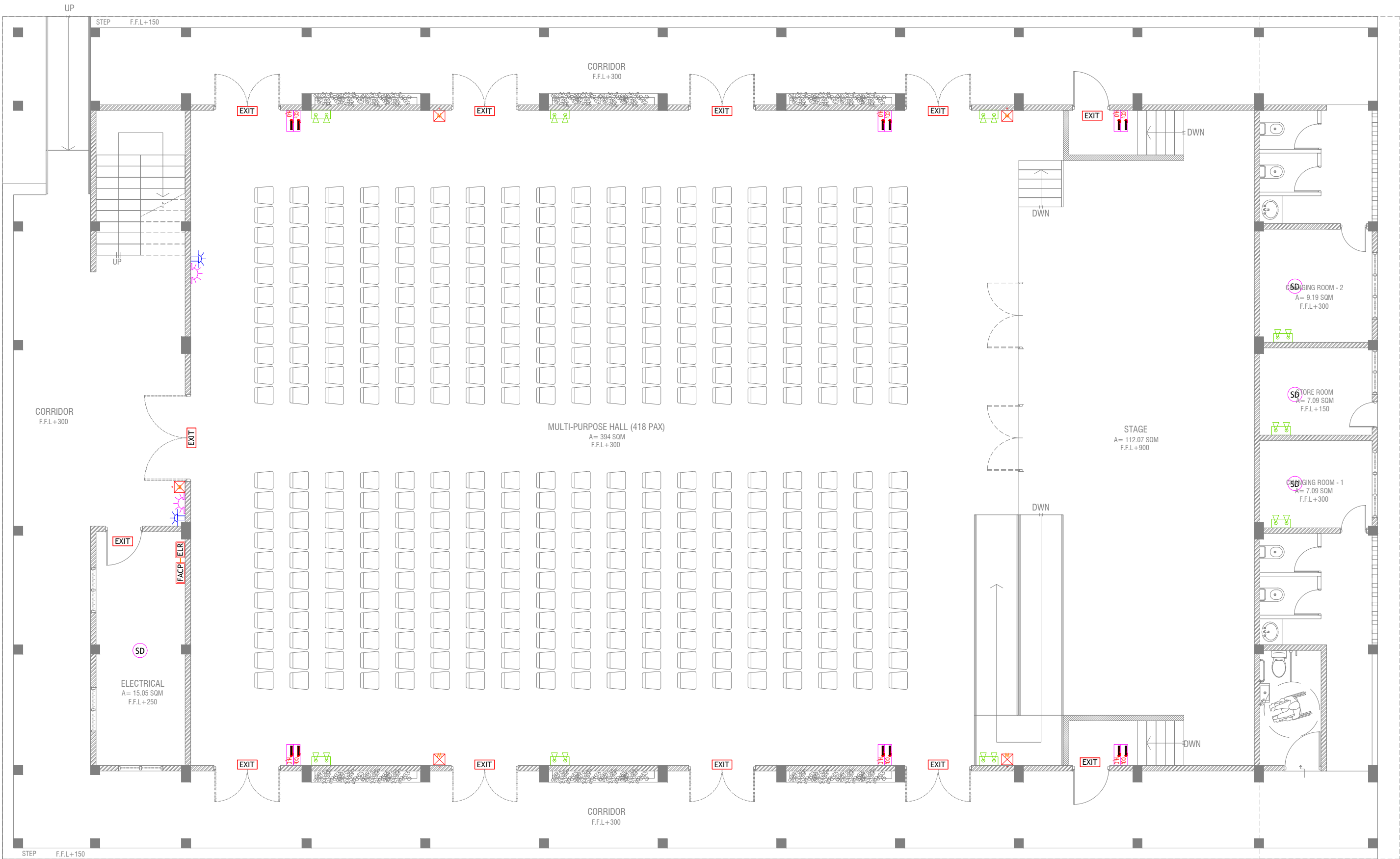


ROOF PLAN - 1 DRAINAGE LAYOUT

SCALE 1:100







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)

