

Proposed Multipurpose Hall Building at K. Kaashidhoo School

SERVICES DRAWINGS
Client: Ministry of Education



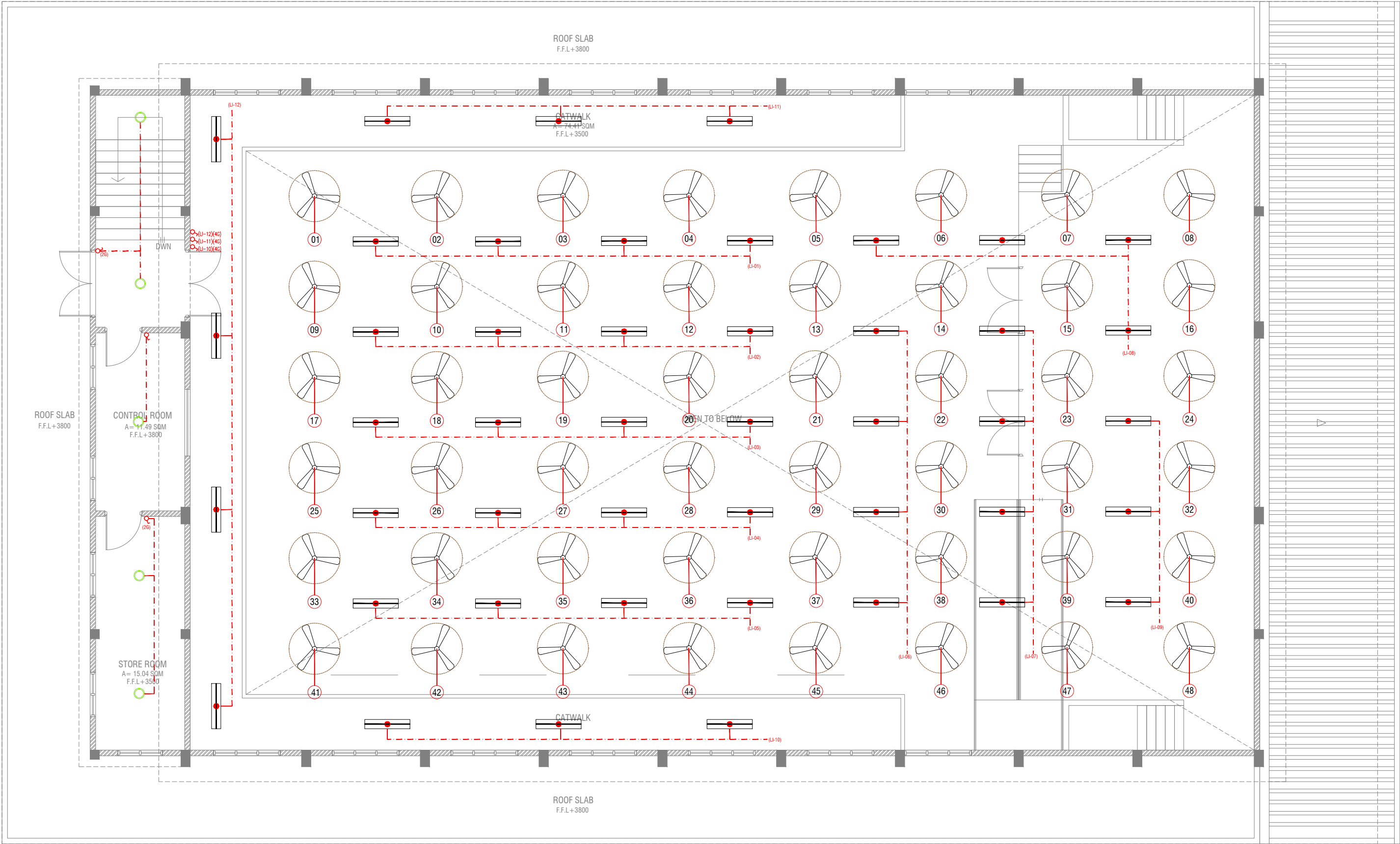
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3rd floor, H. Azum, Ameenemogu, Male

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FIRST FLOOR LIGHTING LAYOUT

SCALE 1:100



LEGEND

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

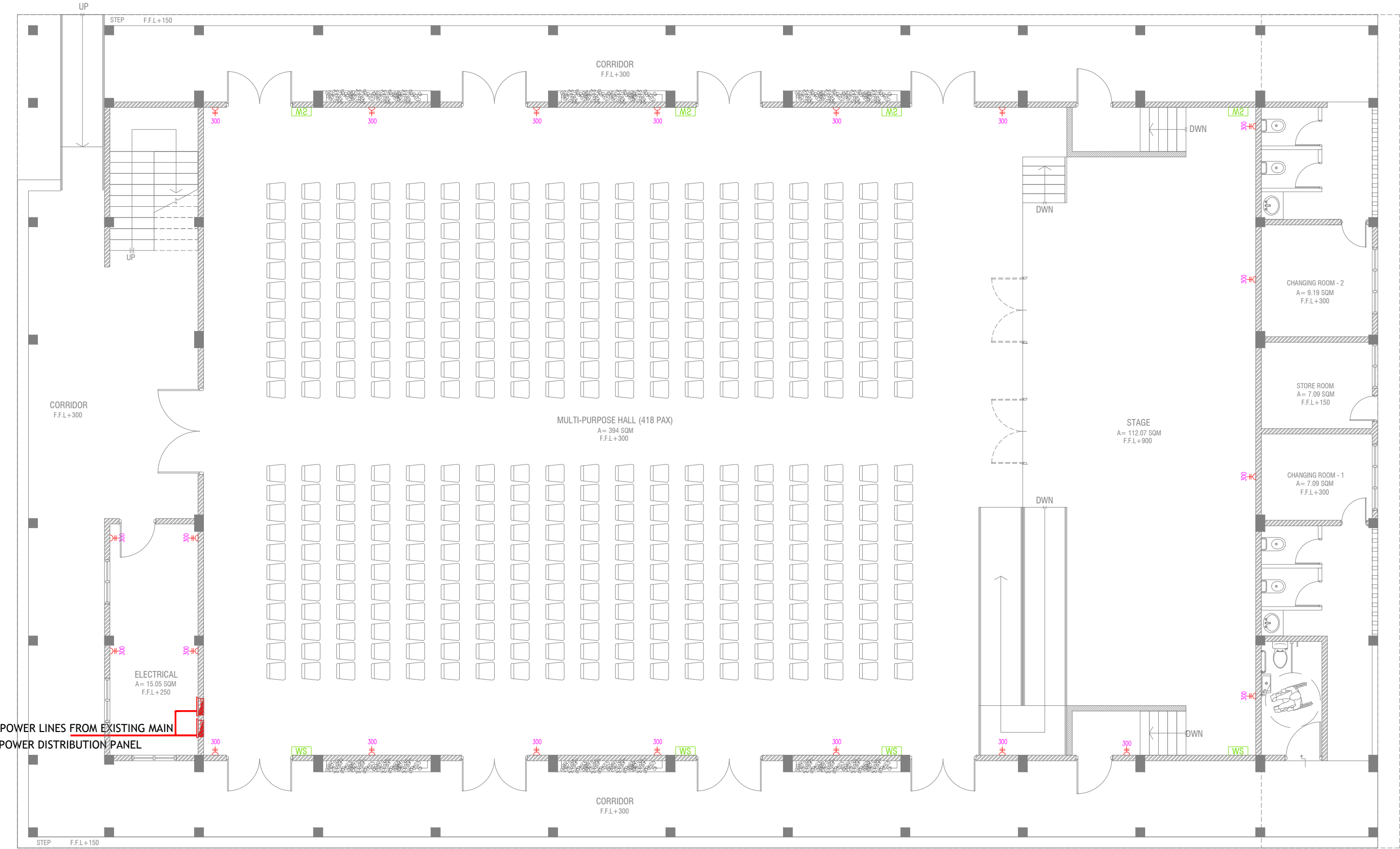
C2 CEILING DOWN LIGHT (18W)

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"

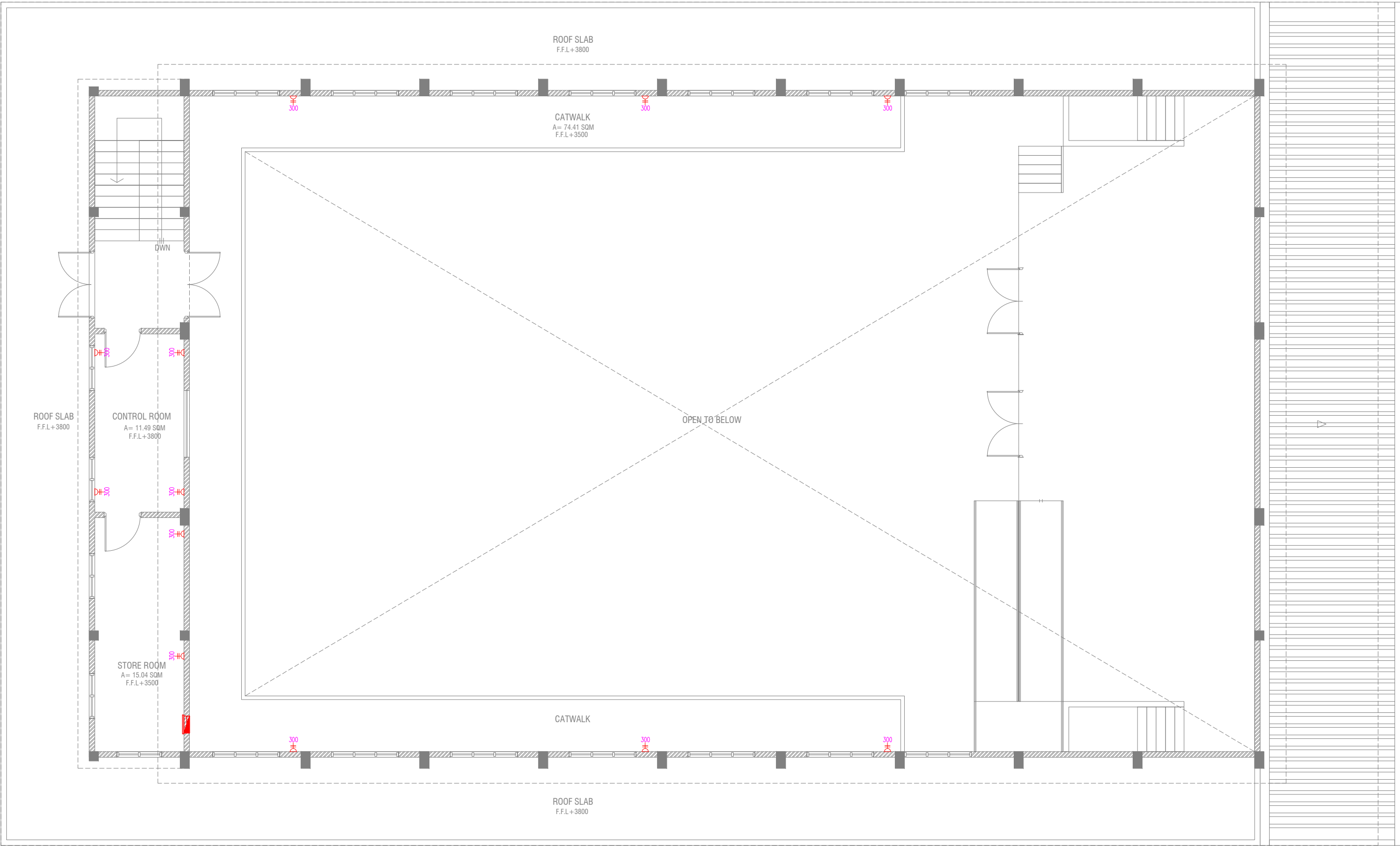


GROUND FLOOR POWER LAYOUT

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

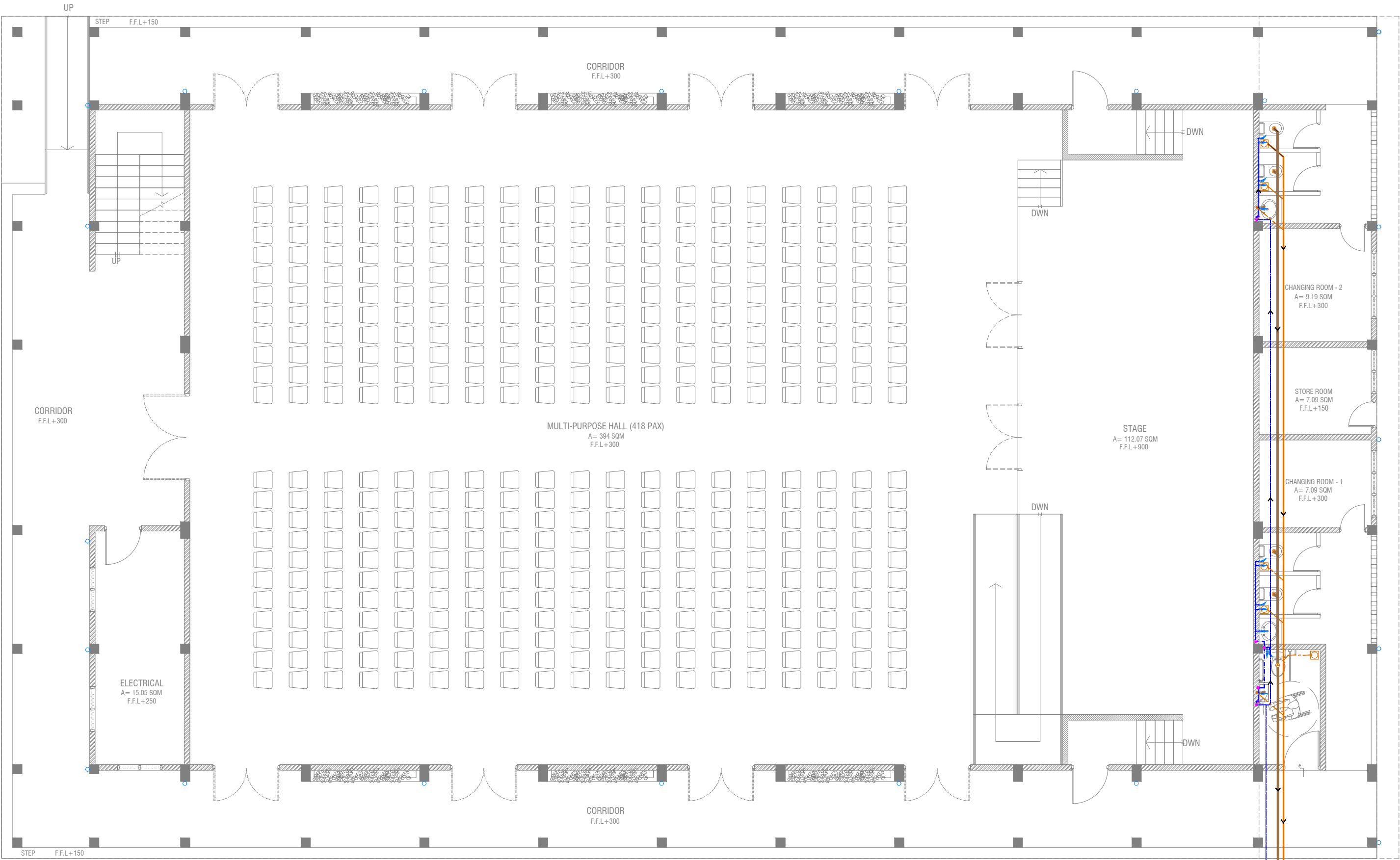


FIRST FLOOR POWER LAYOUT

SCALE 1:100



- △ 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
- WS WALL SPEAKERS AT CEILING LEVEL



GROUND FLOOR PLUMBING & DRAINAGE LAYOUT

SCALE 1:100



LEGEND

- | | | |
|----|---|-----------------------------------|
| FC | 160 COLD WATER SUPPLY FAUCET / WALL TAP/SINK | FLOOR DRAIN |
| | 160 COLD WATER SUPPLY TO CISTERN | FLOOR GULLY |
| GV | GATE VALVE | 1100 SOIL PIPE (CPVC PIPE) |
| | RISE IN WALL | 820 WASTE PIPE (CPVC PIPE) |
| | DROP IN WALL | 400 WASTE PIPE (CPVC PIPE) |
| | 320 COLD WATER SUPPLY PIPES RUNNING UNDERGROUND | 500 WASTE PIPE (CPVC PIPE) |
| | 250 COLD WATER SUPPLY PIPES RUNNING IN WALLS | 820 MANHOLE VENT PIPE (CPVC PIPE) |
| | 250 COLD WATER SUPPLY PIPES RUNNING UNDERGROUND | BOTTLE TRAP |
| | 250 COLD WATER SUPPLY PIPES RUNNING ABOVE FALSE CEILING | |

NOTES:-

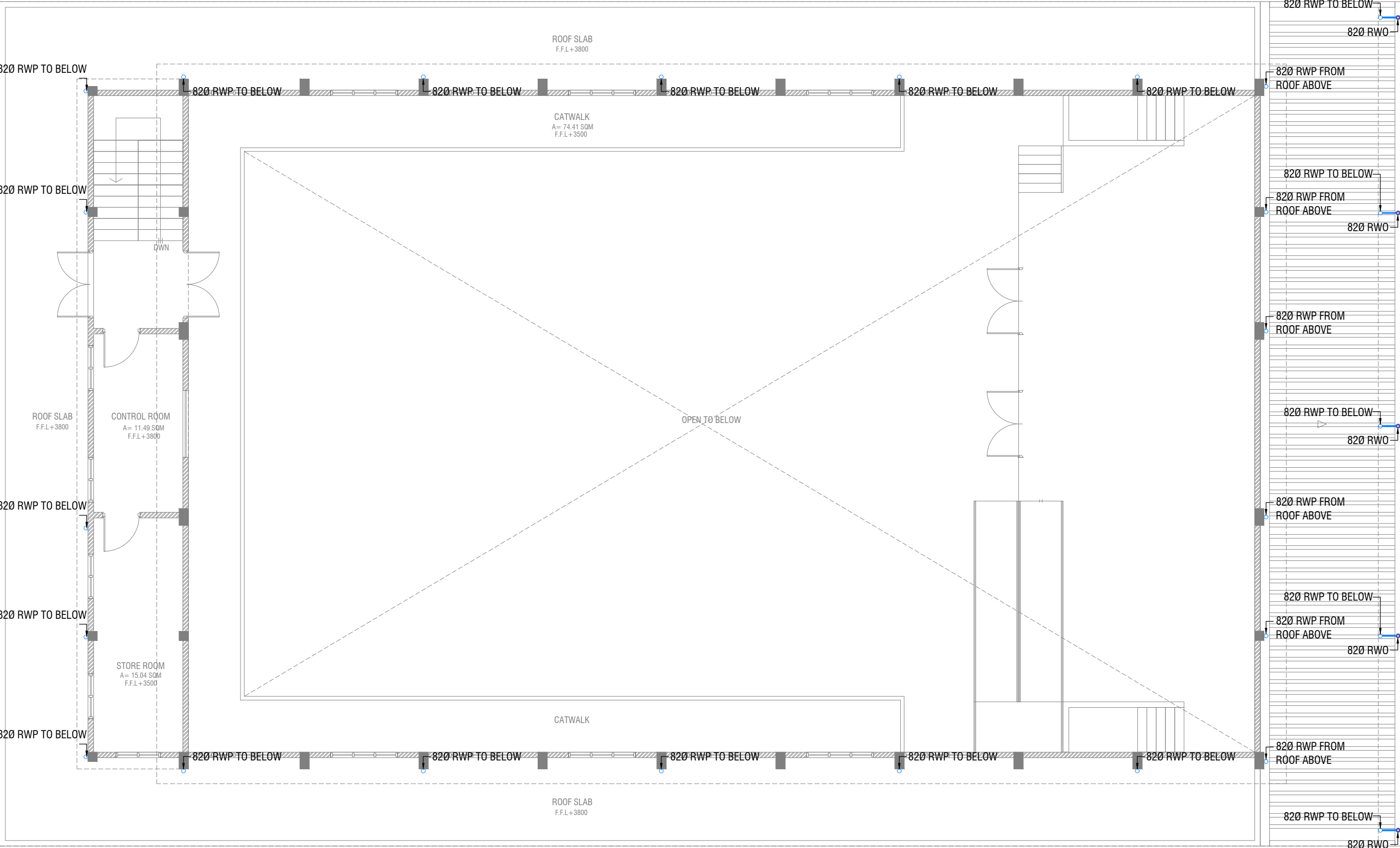
-ALL COLD WATER PIPES SHOULD BE CPVC

K. Kaashidhoo School Hall
Client: Ministry of Education
Project Number: B/2017/012
Date: February 2019
Architect: Razana Amir
Engineer: Ahmed Zuhair Zakiem
Services: Architectural, Structural, Mechanical, Electrical, Plumbing, Interior
Interior: -

Rev no	Date
1	
2	
3	
4	

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3rd floor, H. Azam, Alwanemongu, Male'
Title: Ground Floor Plumbing & Drainage Layout
Page: DR - 01/04

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FIRST FLOOR DRAINAGE LAYOUT

SCALE 1:100

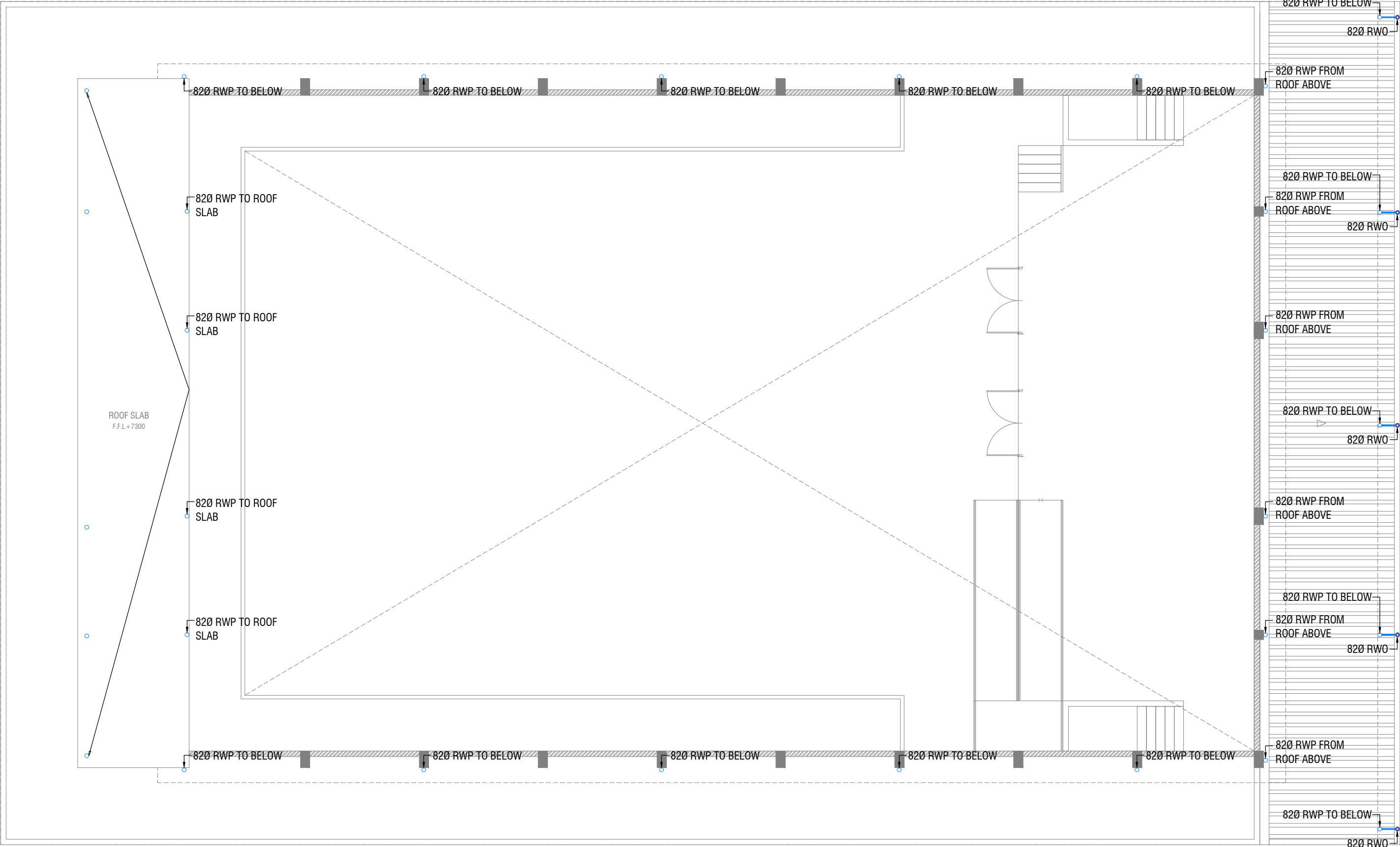
K. Kaashidhoo School Hall
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Architect: Razana Amir
Engineer: Ahmed Zuhair Zakiem
Services: Algham Ahmed
Interior: -



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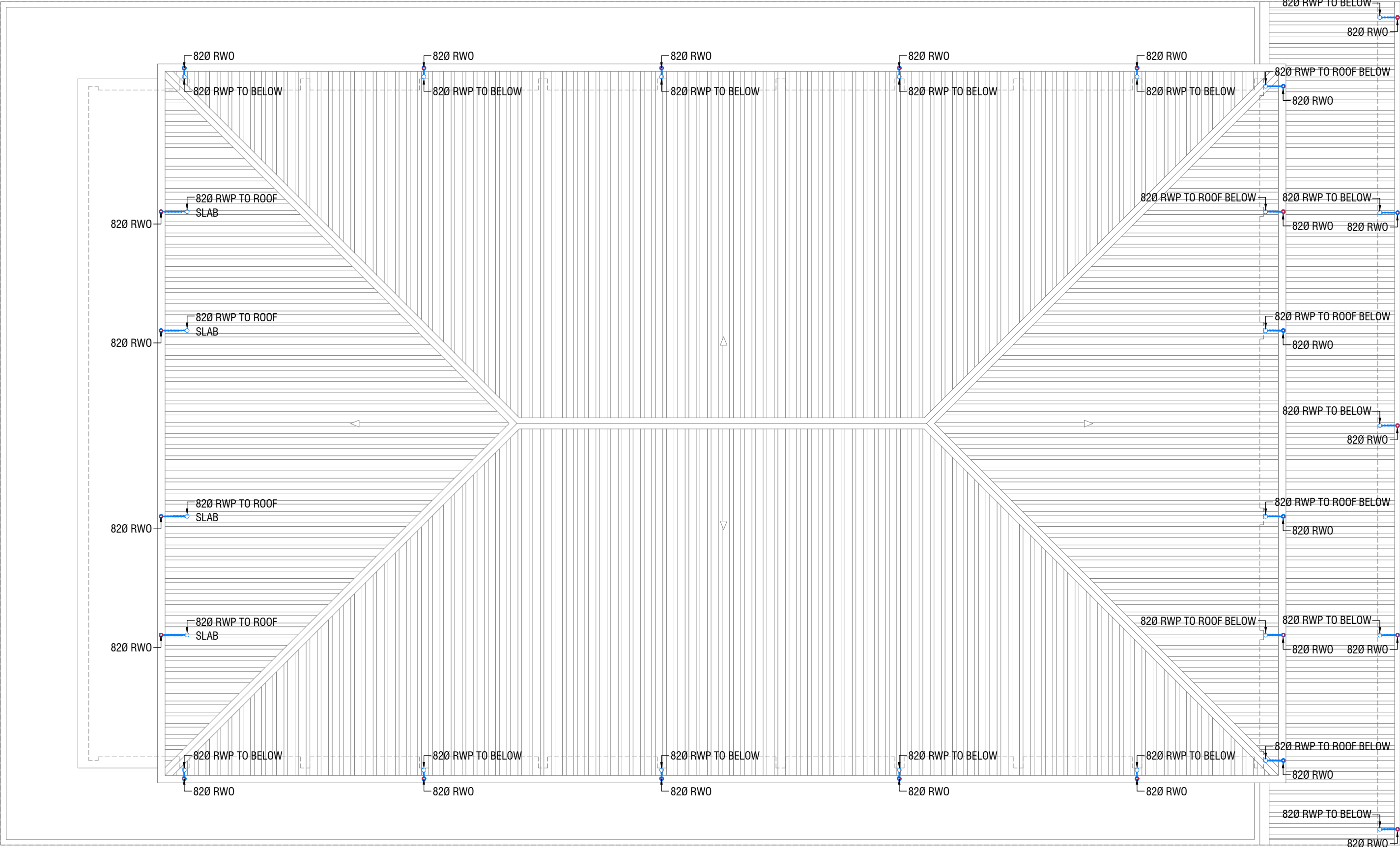
Title: 1st Floor
Drainage Layout
Page:DR - 02/04

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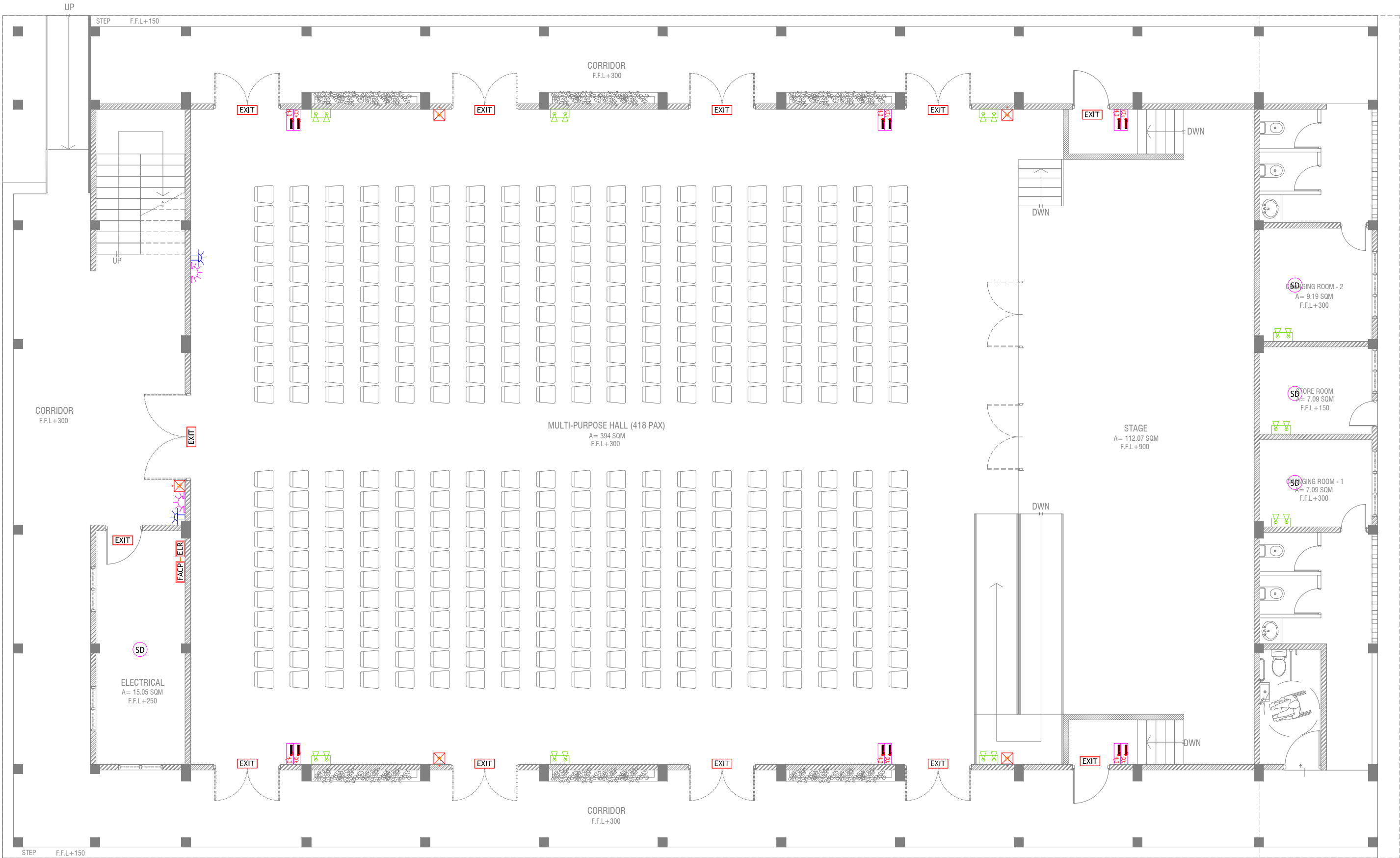
ROOF PLAN - 1 DRAINAGE LAYOUT

SCALE 1:100



ROOF PLAN - 2 DRAINAGE LAYOUT

SCALE 1:100
0 0.5 1 2 3 4 5



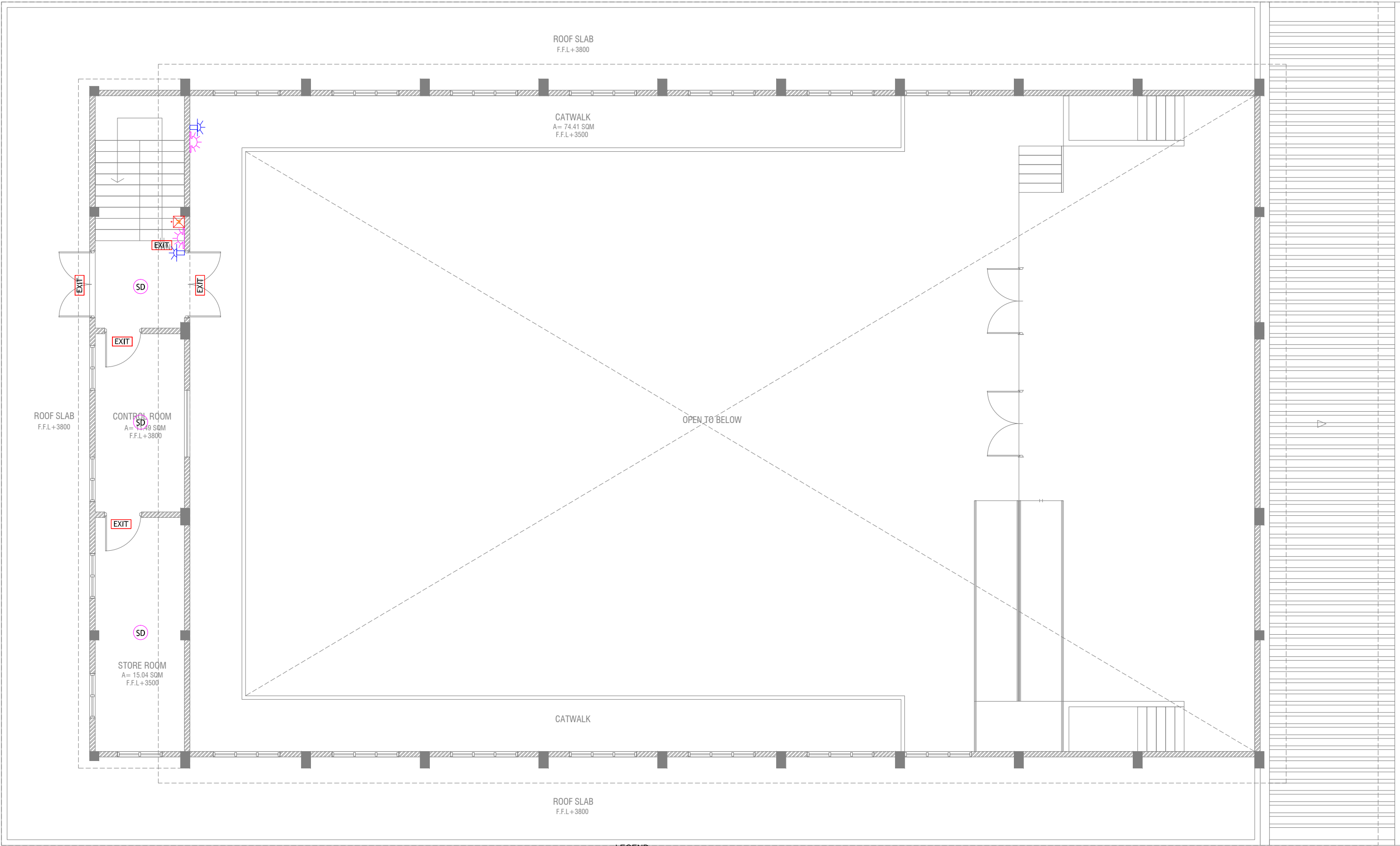
GROUND FLOOR FDP LAYOUT

SCALE 1:100



LEGEND	
SD	SMOKE DETECTOR
HD	HEAT DETECTOR
EXIT	EXIT SIGN
EM	EMERGENCY LIGHT
	CO ₂ EXTINGUISHER (LOAD: 2KG) IN POLYCARBONATE ENCLOSURE(TYP.)
	WET CHEMICAL FIRE EXTINGUISHER (LOAD 7.2KG)
	H ₂ 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



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 (85 DB) |
| | WET CHEMICAL FIRE EXTINGUISHER (LOAD 7.2KG) | | |
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