

Proposed Multipurpose Hall Building at N.Atoll School

SERVICES DRAWINGS
Client: Ministry of Education



RIYAN PRIVATE LIMITED

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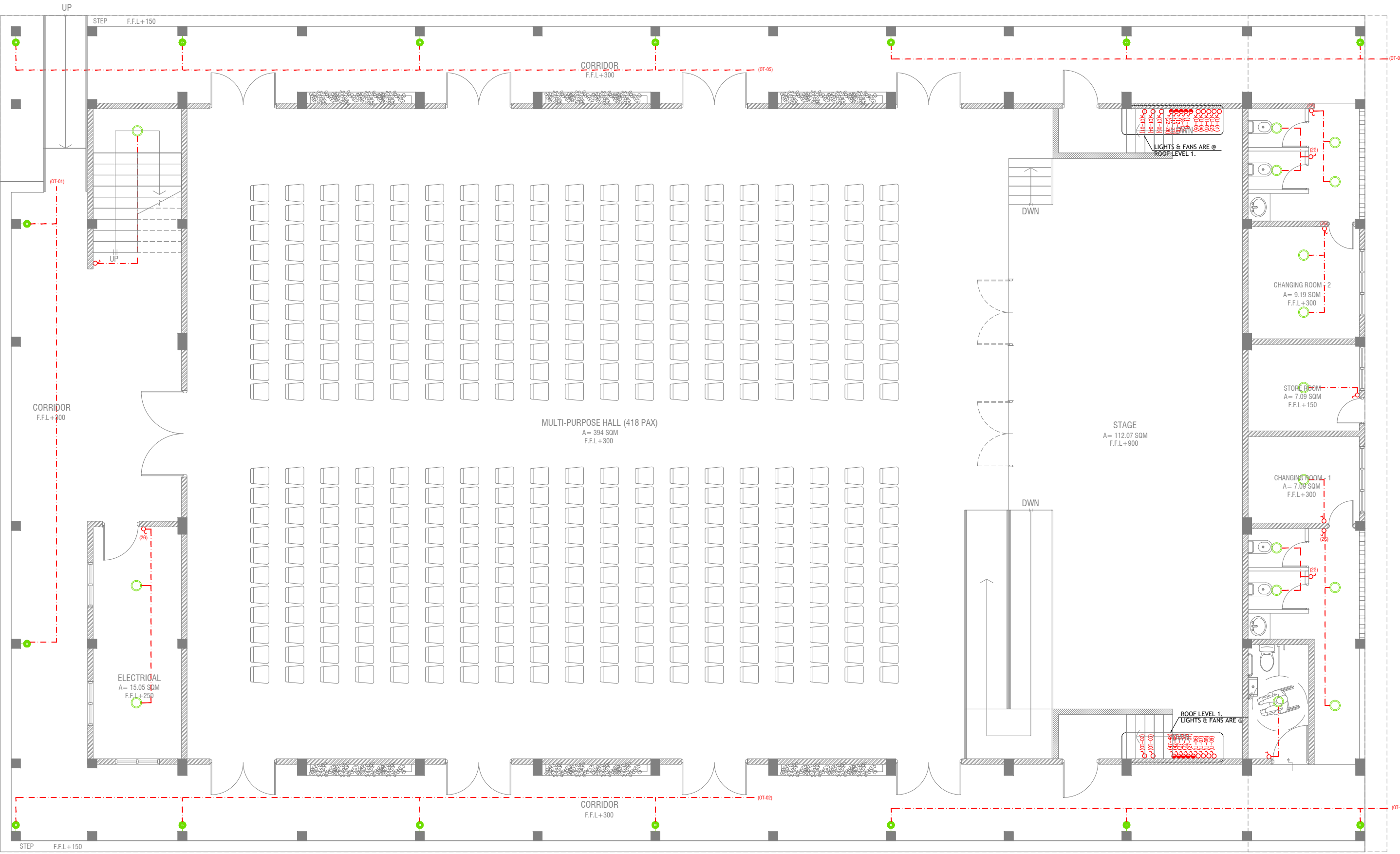
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3rd floor, H. Azum, Armeenemagu, Male'

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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"

N. Atoll School Hall
Client: Ministry of Education

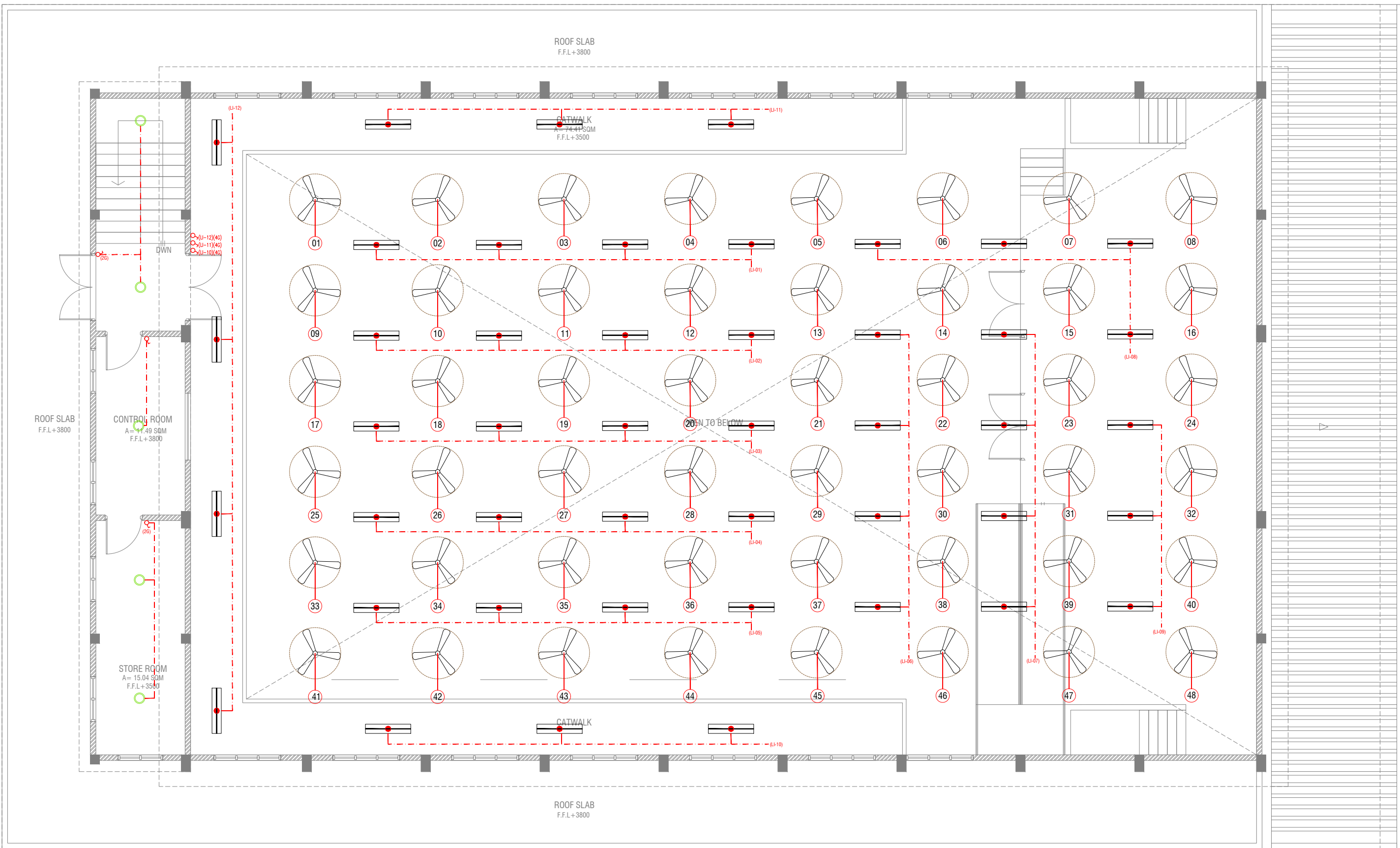
Project Number: R/2017/012
Date: June 2019
Architect: Razana Amir
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3rd floor, H. Adam, Ammanmaga, Muscat

Title: Ground Floor Lighting Layout
Page: EL - 01/02

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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)

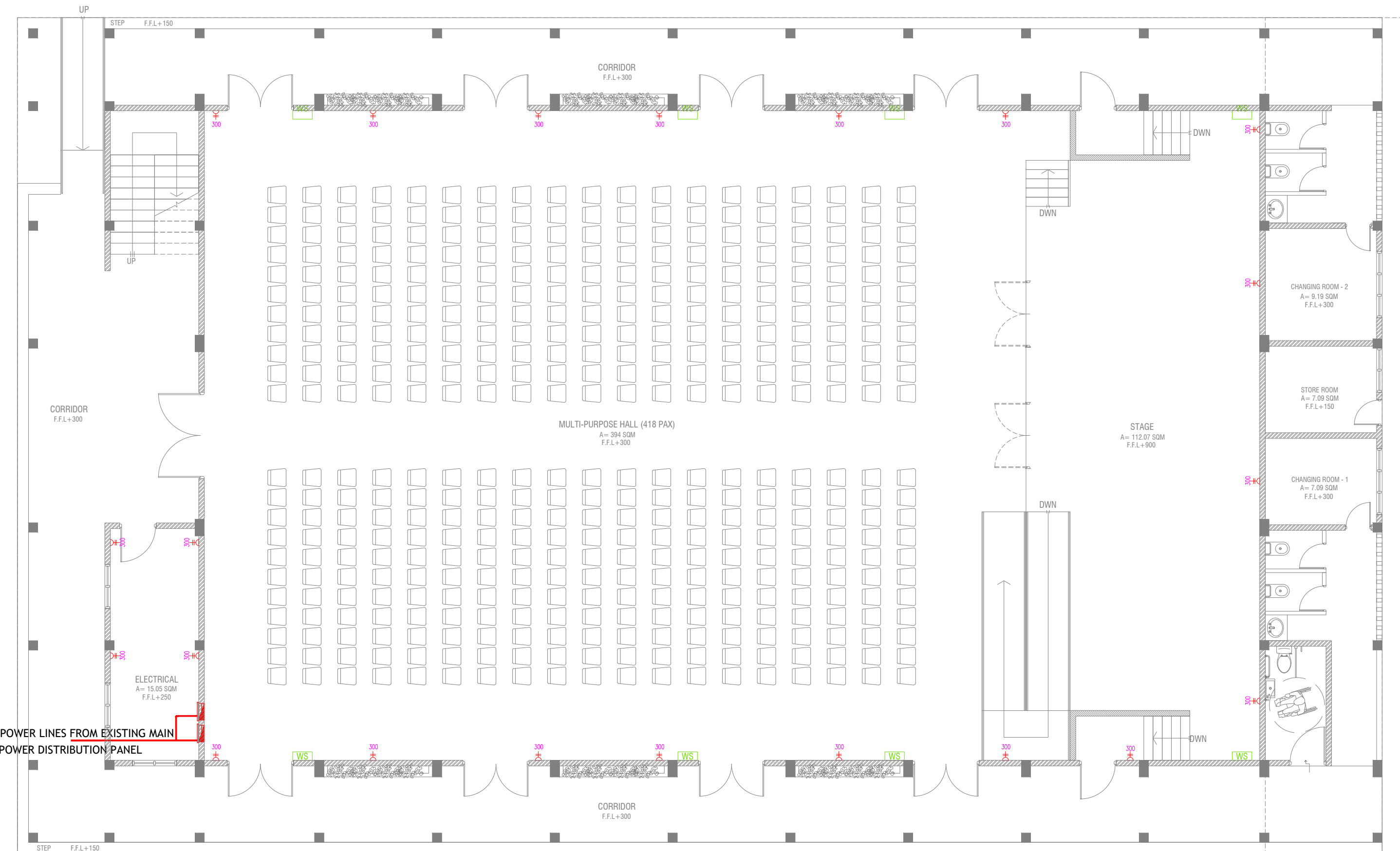
C2 CEILING DOWN LIGHT (18W)

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
- WS WALL SPEAKERS AT CEILING LEVEL

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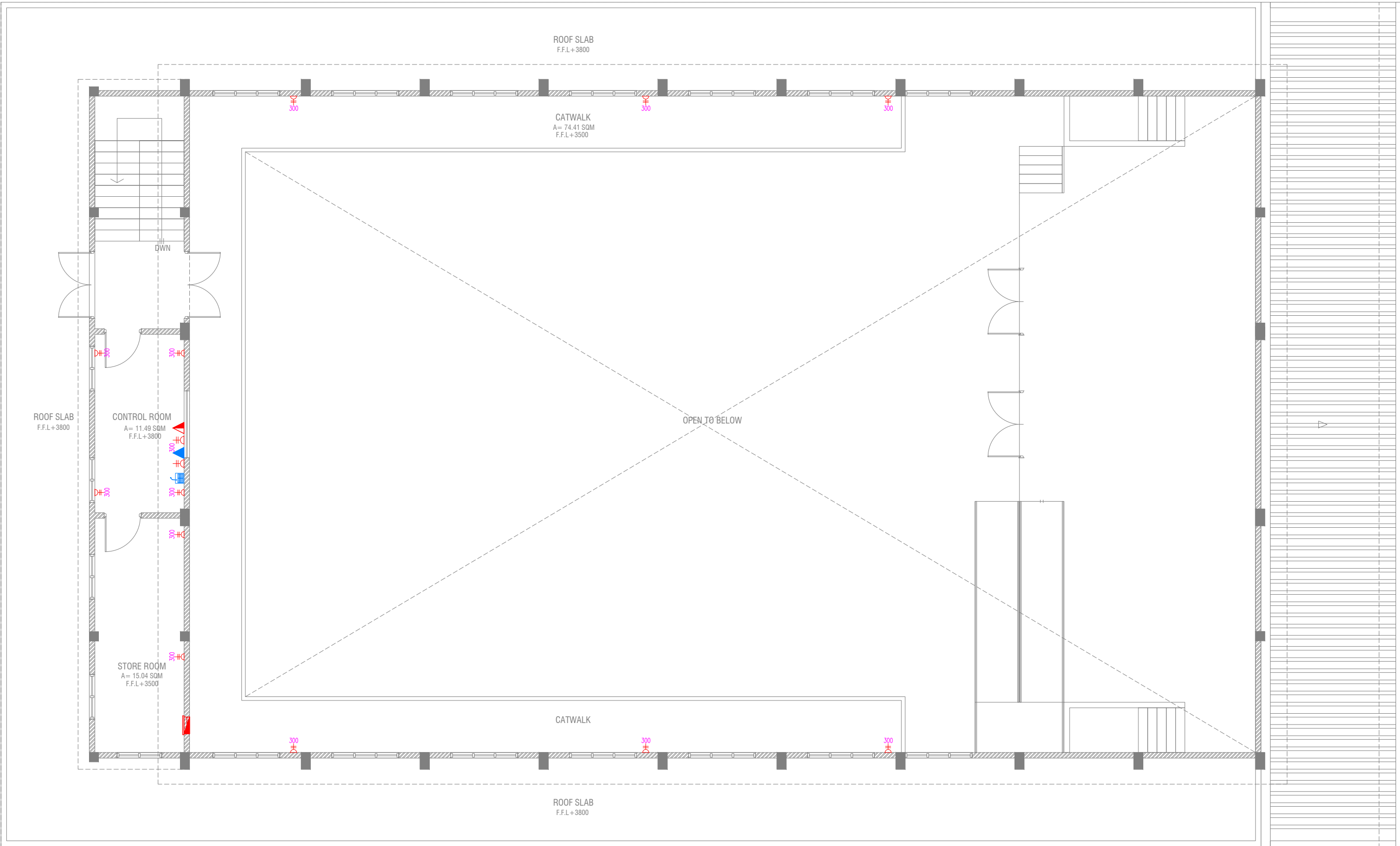
Project Number: R/2017/012
Date: June 2019
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3rd floor, H. Adam, Ammenemogu, Malé

Title: Ground Floor Power Layout
Page: EP - 01/02










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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

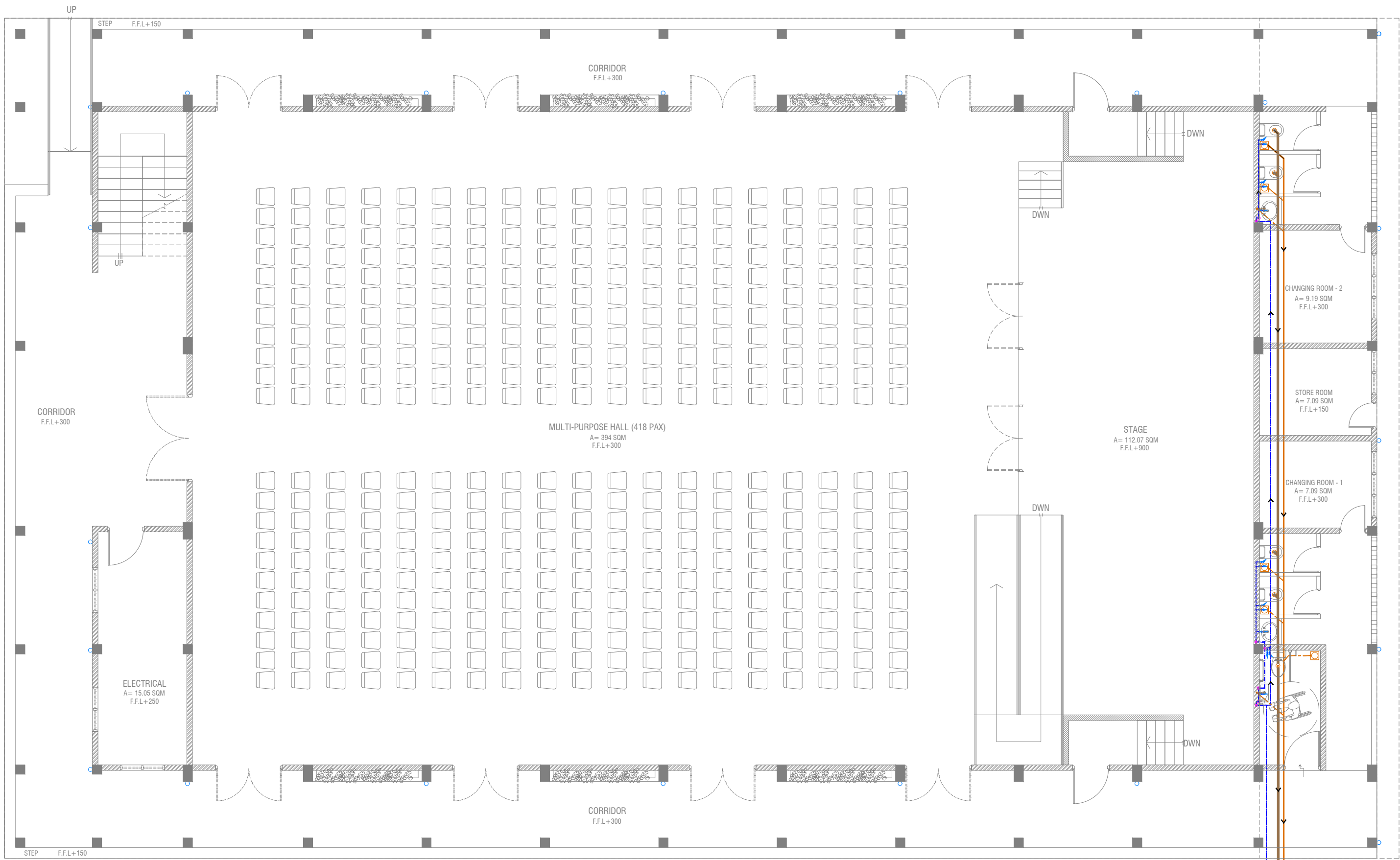
N.Atoll School Hall
Client: Ministry of Education

Rev no	Date
01	11 June 2019



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GROUND FLOOR PLUMBING & DRAINAGE LAYOUT

SCALE 1:100

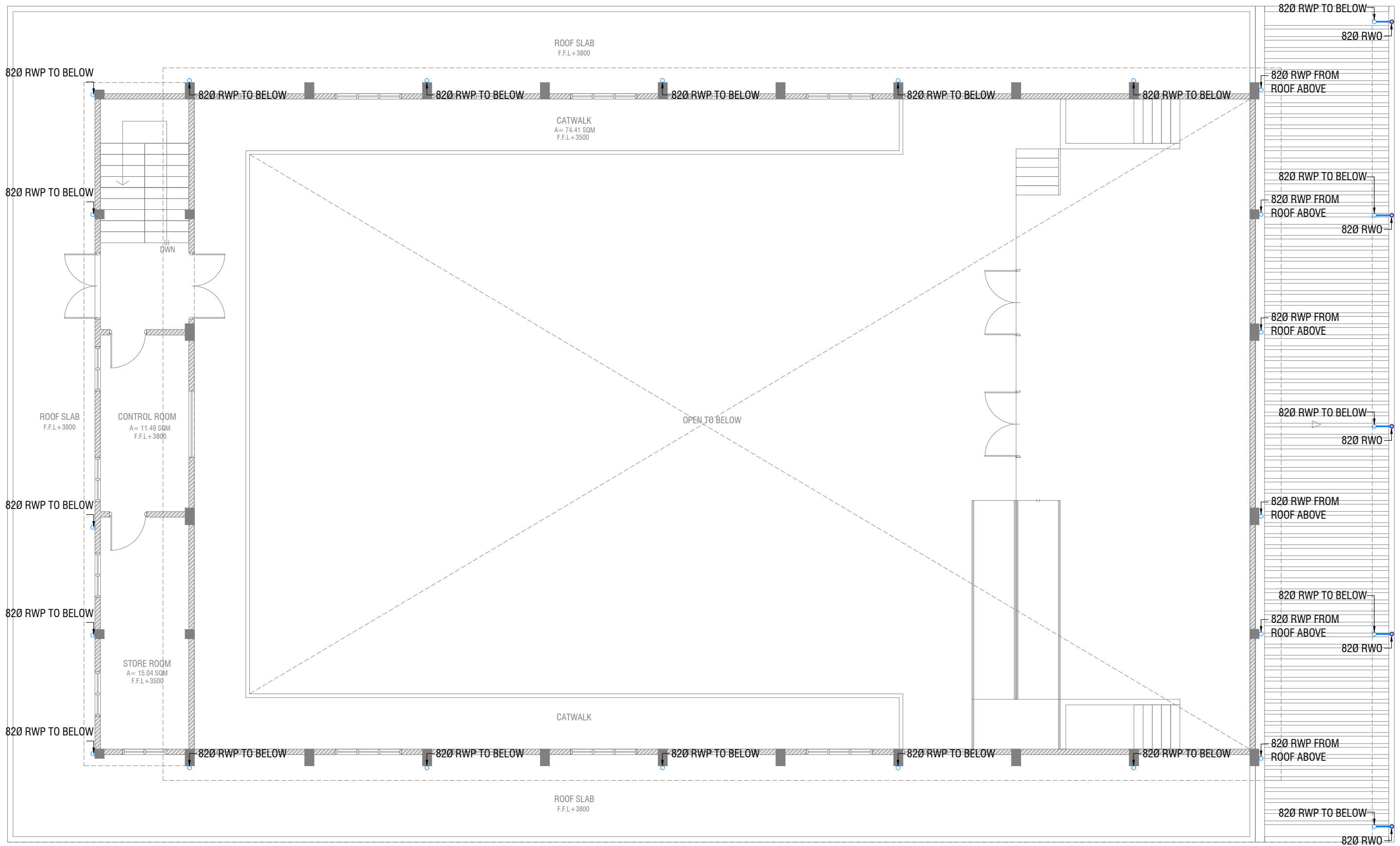


LEGEND

- 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



FIRST FLOOR DRAINAGE LAYOUT

SCALE 1:100



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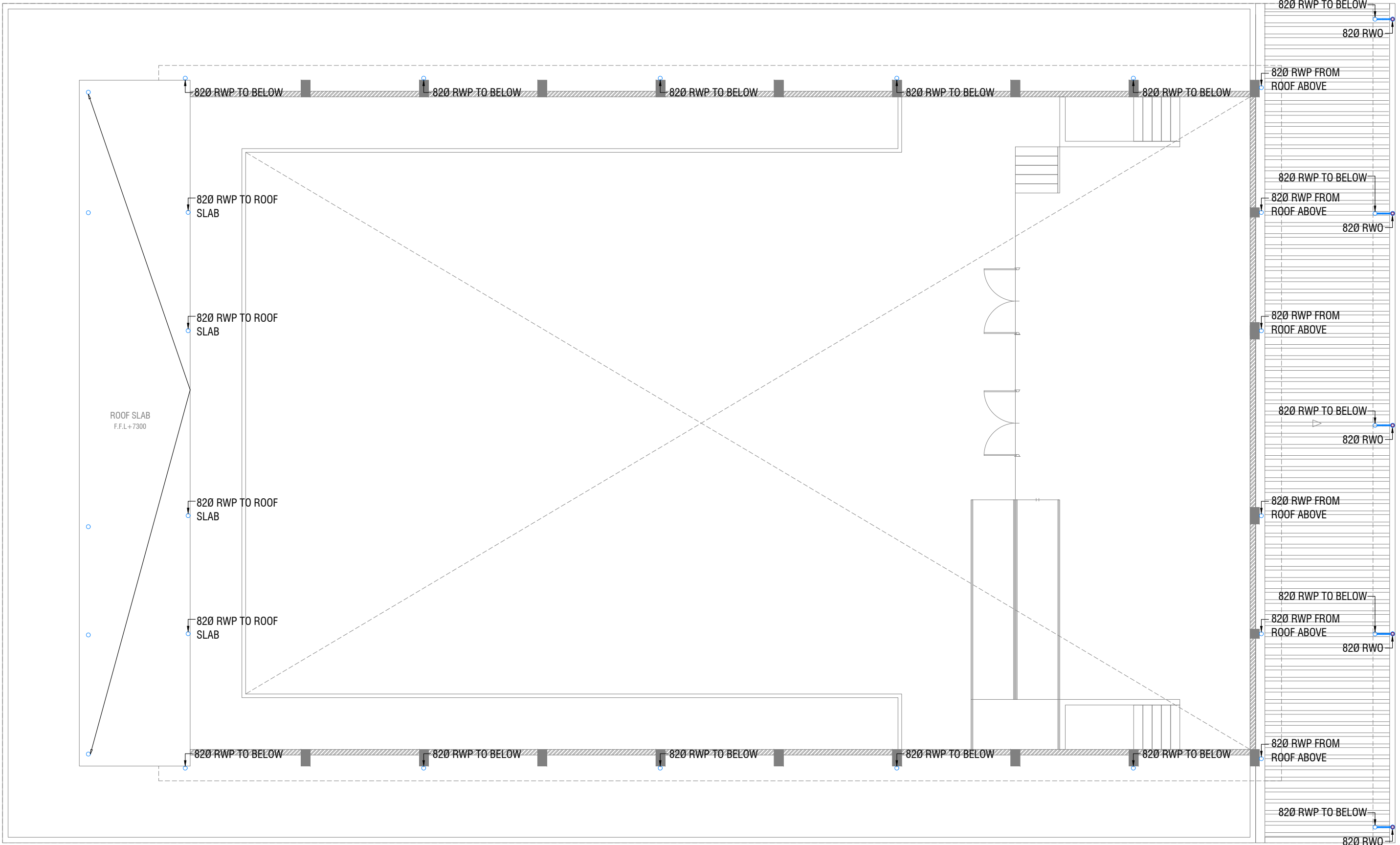
Project Number: R/2017/012
Date: June 2019
Rev no: 01
Architect: Razana Amir
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Services: Architectural
Interior: -



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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



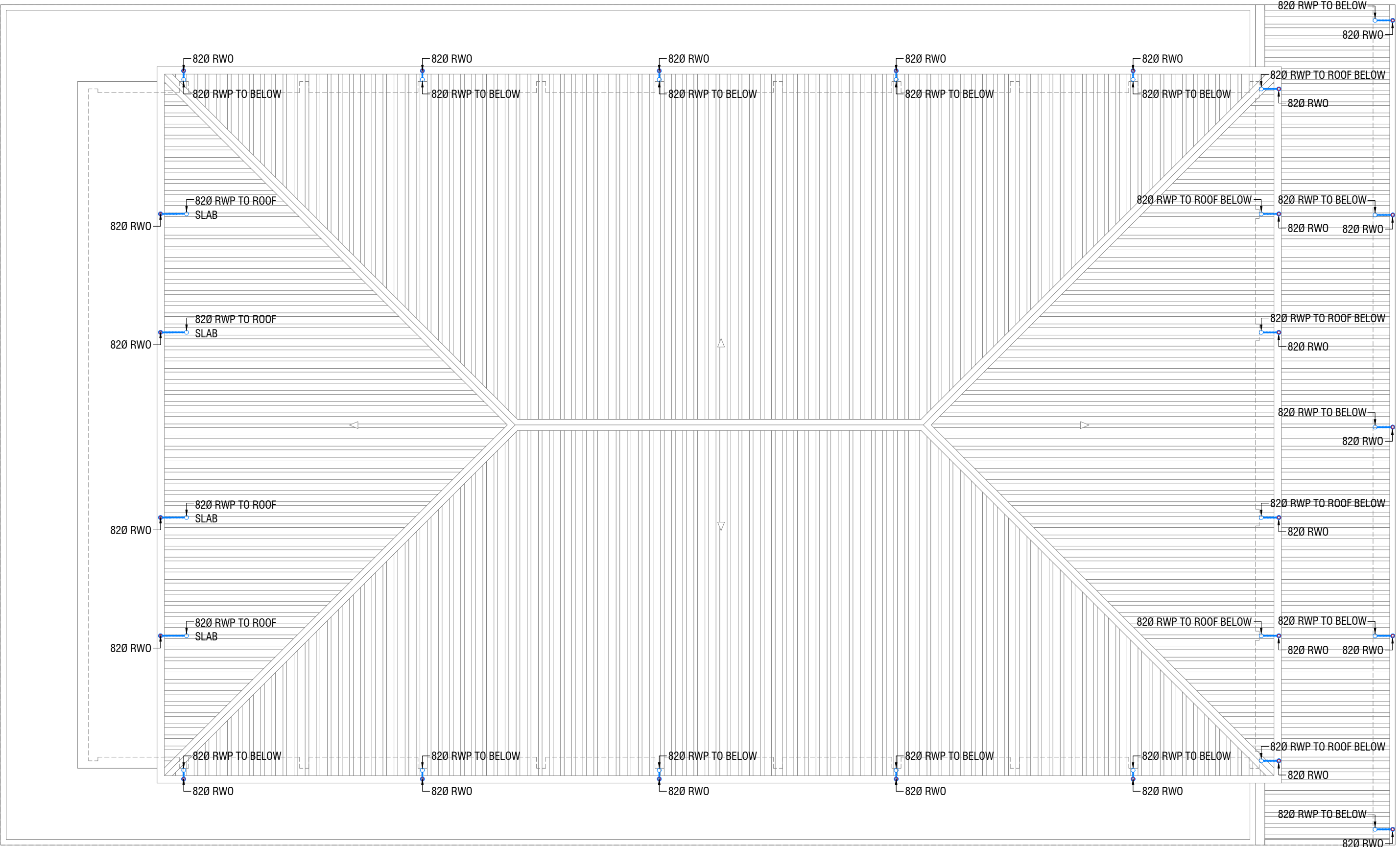
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ROOF PLAN - 2 DRAINAGE LAYOUT

SCALE 1:100



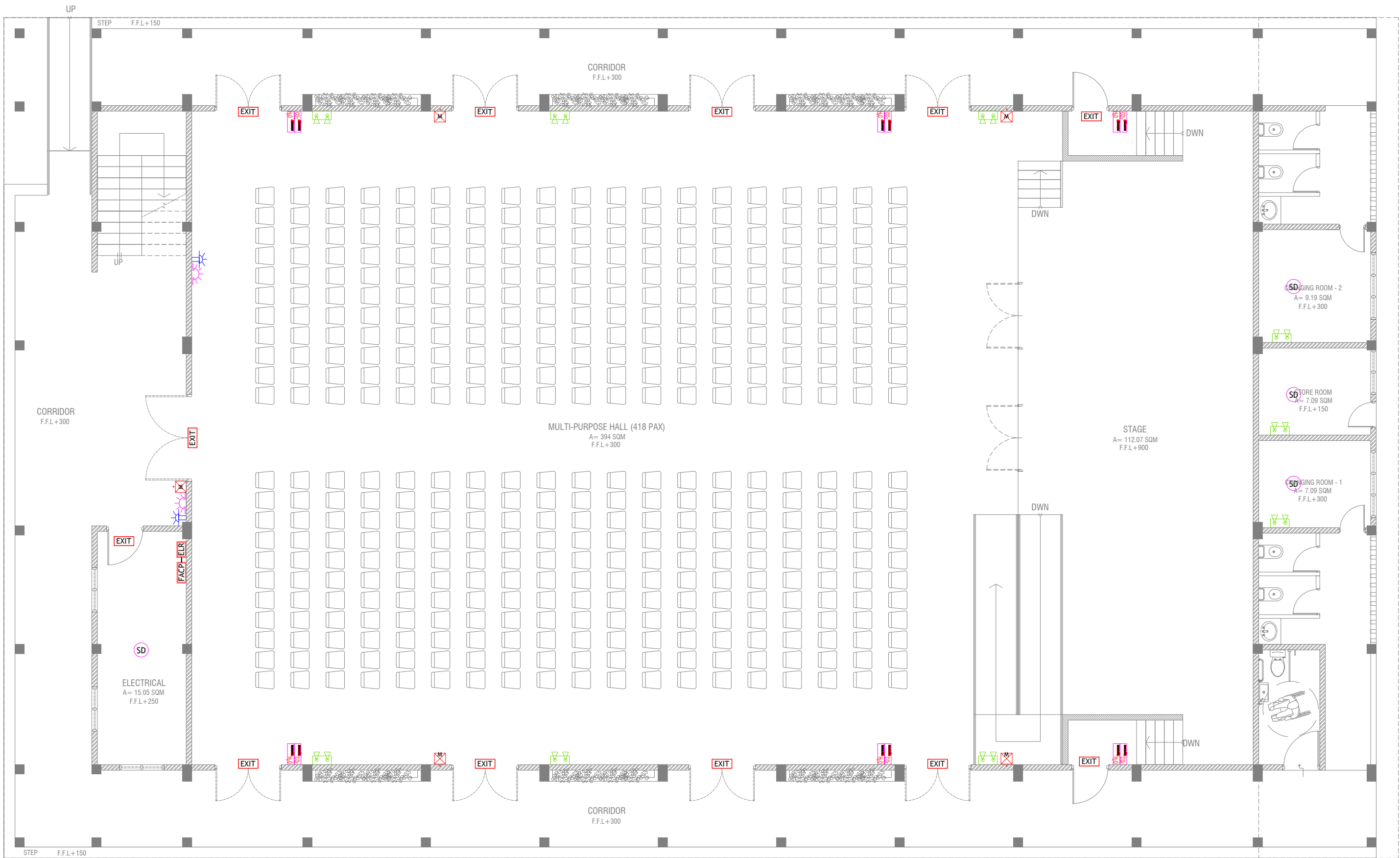
Project Number	RI/2017/012
Date	11 June 2019
Architect	Razana Amir
Engineer	Ahmed Zuhair Zakiem
Services	Architectural
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Client: Ministry of Education



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GROUND FLOOR FDP LAYOUT

SCALE 1:100

- LEGEND**
- SMOKE DETECTOR
 - HEAT DETECTOR
 - EXIT SIGN
 - EMERGENCY LIGHT
 - END OF LINE RESISTANCE
 - FIRE ALARM CONTROL PANEL
 - MANUAL CALL POINT (RESETTABLE)
 - SOUNDER/BELL (85 DB)
 - CO₂ EXTINGUISHER (LOAD: 2KG) IN POLYCARBONATE ENCLOSURE(TYP.)
 - WET CHEMICAL FIRE EXTINGUISHER (LOAD 7.2KG)
 - H₂O EXTINGUISHER (LOAD: 9L) IN POLYCARBONATE ENCLOSURE(TYP.)

- 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/BRACKET SHALL BE HOT DIPPED GALVANIZED TO 100UM.
- 4. ALL FIRE EXTINGUISHER INSIDE CABINETS. (CABINET SHOULD BE PROVIDED)

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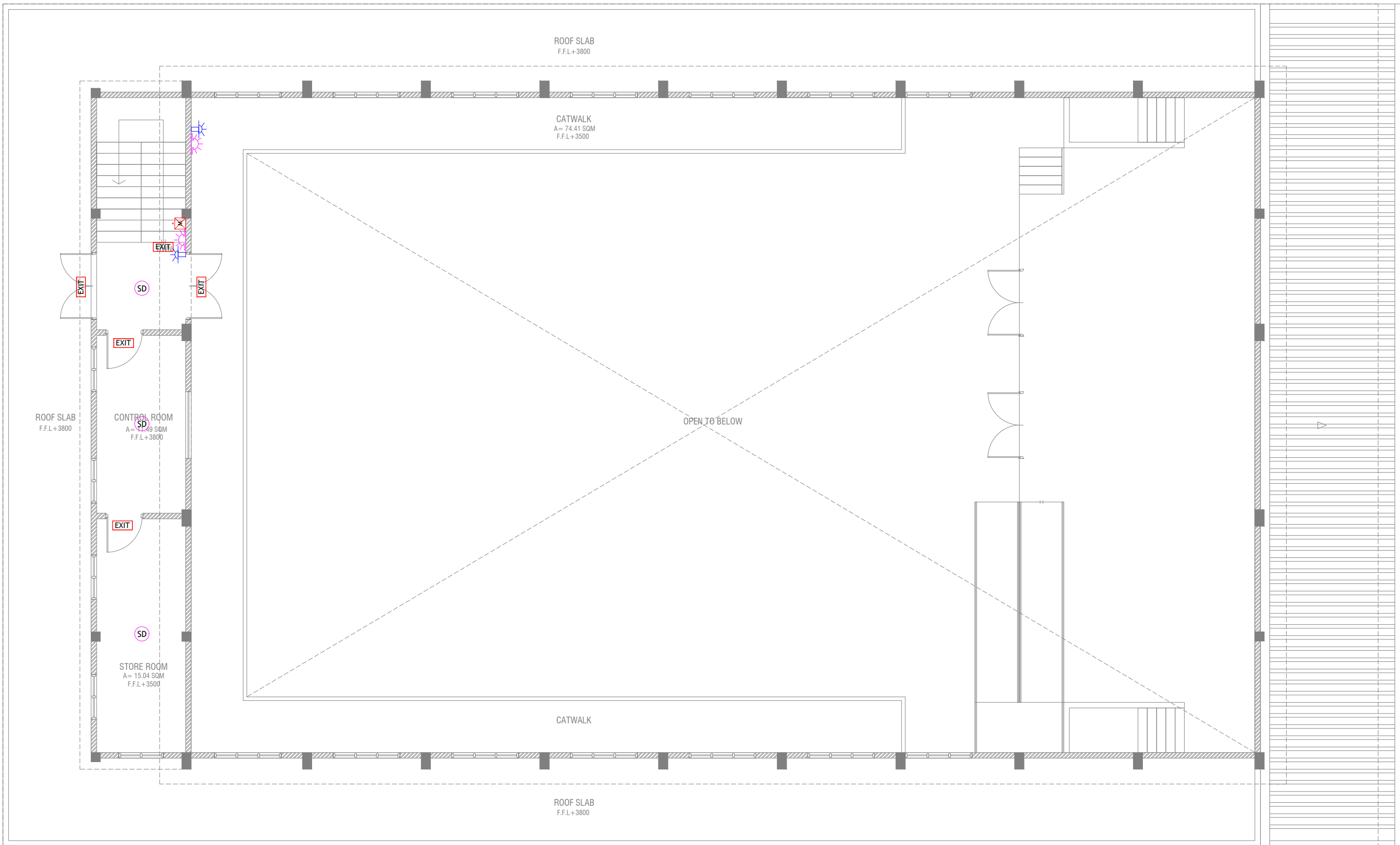
Project Number: R/2017/012
Date: June 2019
Rev no: 01
Date: 11 June 2019
Architect: Razana Amir
Engineer: Ahmed Zuhair Zakiem
Services: Architectural
Interior



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

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FIRST FLOOR FDP LAYOUT

SCALE 1:100



LEGEND

- SMOKE DETECTOR
- HEAT DETECTOR
- EXIT SIGN
- EMERGENCY LIGHT
- CO₂ EXTINGUISHER (LOAD: 2KG) IN POLYCARBONATE ENCLOSURE (TYP.)
- WET CHEMICAL FIRE EXTINGUISHER (LOAD: 7.2KG)
- H₂O 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/BRACKET SHALL BE HOT DIPPED GALVANIZED TO 1500MM.
4. ALL FIRE EXTINGUISHER INSIDE CABINETS. (CABINET SHOULD BE PROVIDED)

