

Proposed Multipurpose Hall Building at Th.Guraidhoo School

SERVICES DRAWINGS
Client: Ministry of Education



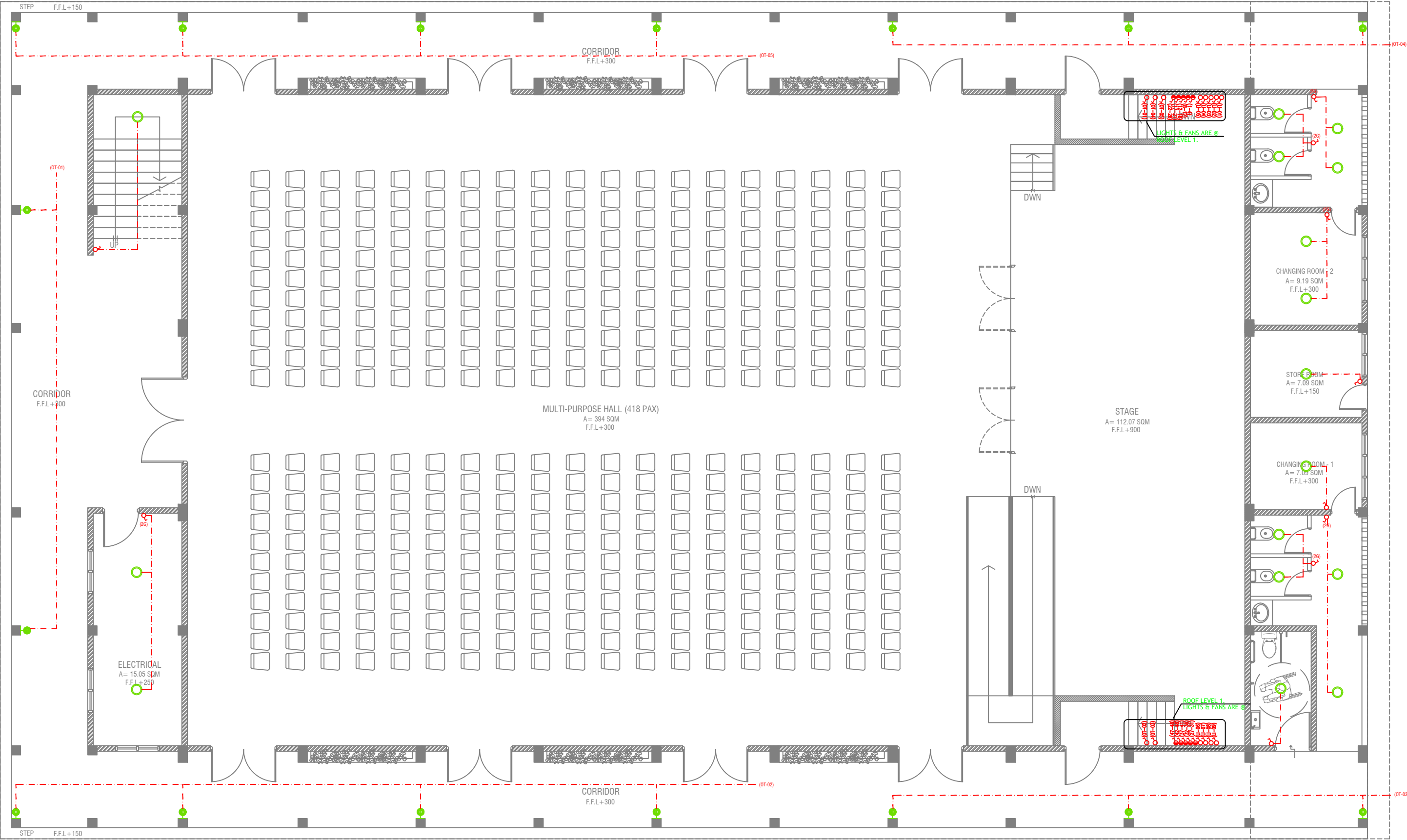
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3rd floor, H. Azum, Ameenemogu, Male

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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"

Th.Guraidhoo School Hall

Client: Ministry of Education

Project Number: 8/2017/012

Date: February 2019

Architect: Izzana Amir

Engineer: Ahmed Zuhair Zakiem

Services: A/Abdullah Almad

Interior :-



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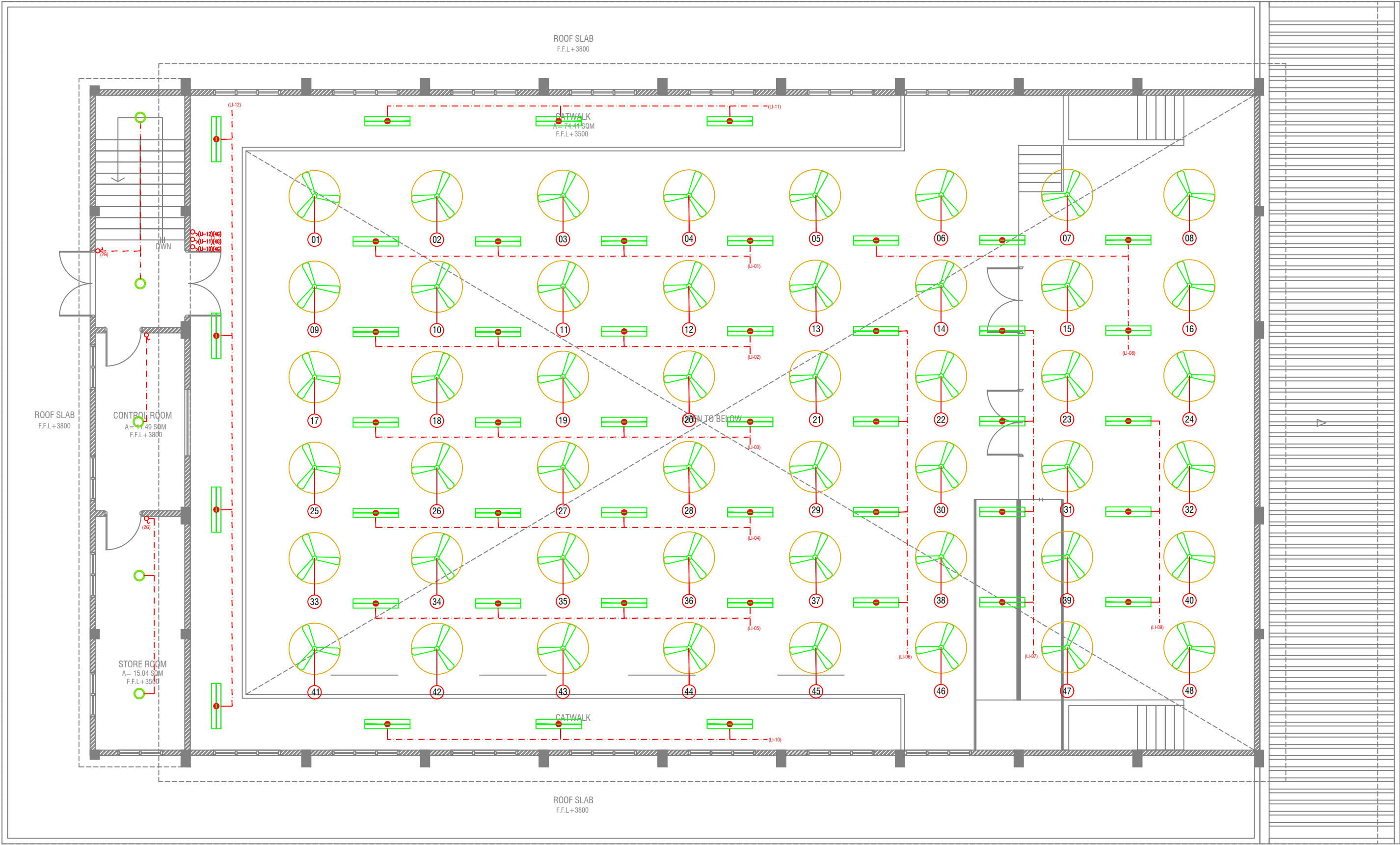
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3rd floor, H. Azam, Arvenemomaga, Malé

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)



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"

Th.Guraidhoo School Hall
Client: Ministry of Education

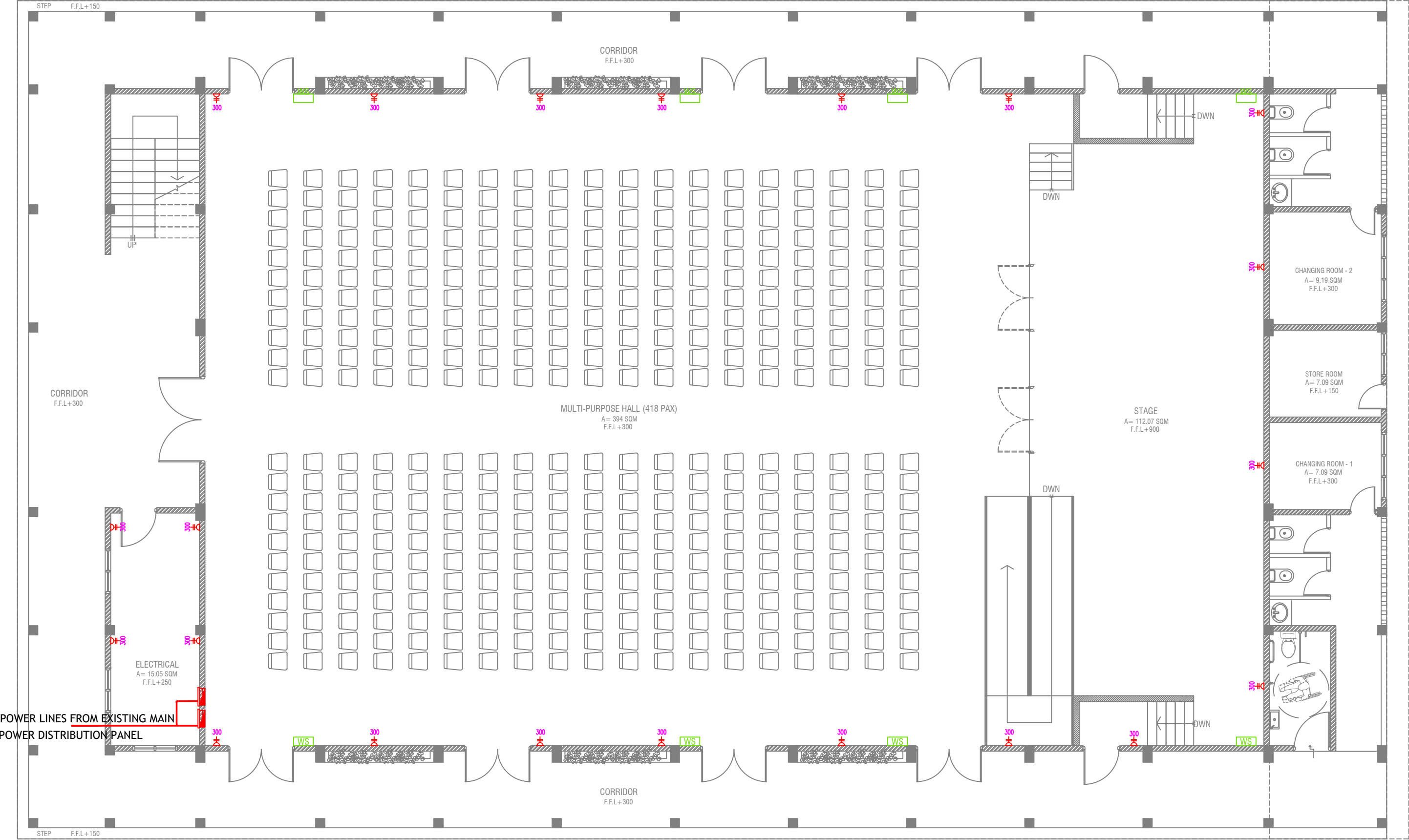
Project Number: 8/2017/012
Date: February 2019
Architect: Izzana Amir
Engineer: Ahmed Zuhair Zakiem
Services: Aghash Ahmed
Interior :-



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

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POWER LINES FROM EXISTING MAIN
POWER DISTRIBUTION PANEL

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

Th.Guraidhoo School Hall
Client: Ministry of Education

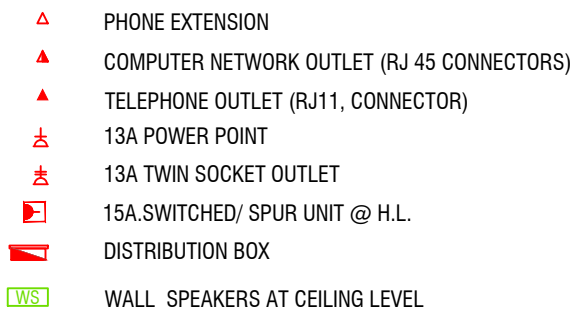
Project Number: 8/2017/012
Date: February 2019
Architect: Razana Amir
Engineer: Ahmed Zuhair Zakiem
Services: Architectural
Interior :-

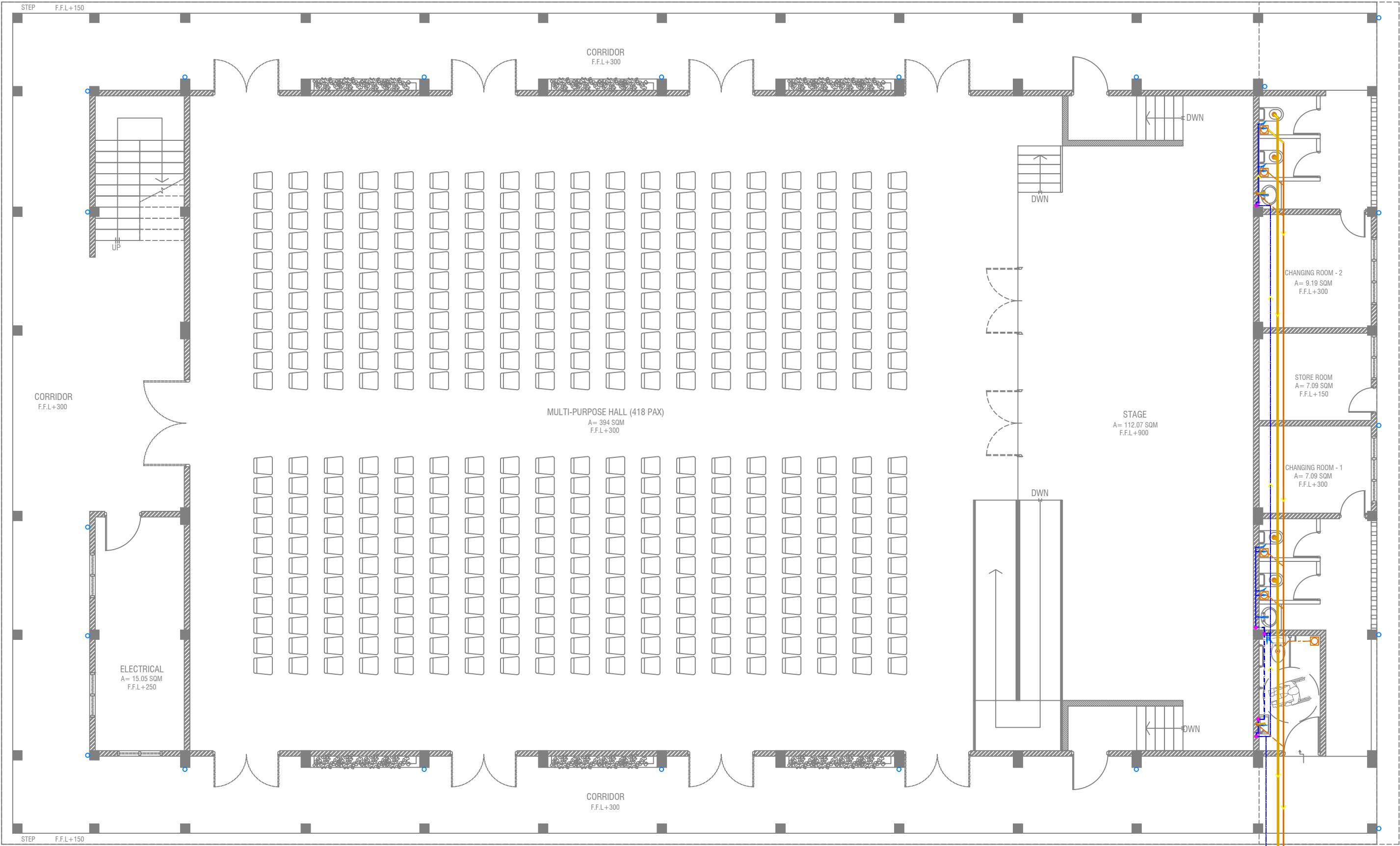


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Title: Ground Floor
Power Layout
Page: EP - 01/02

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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

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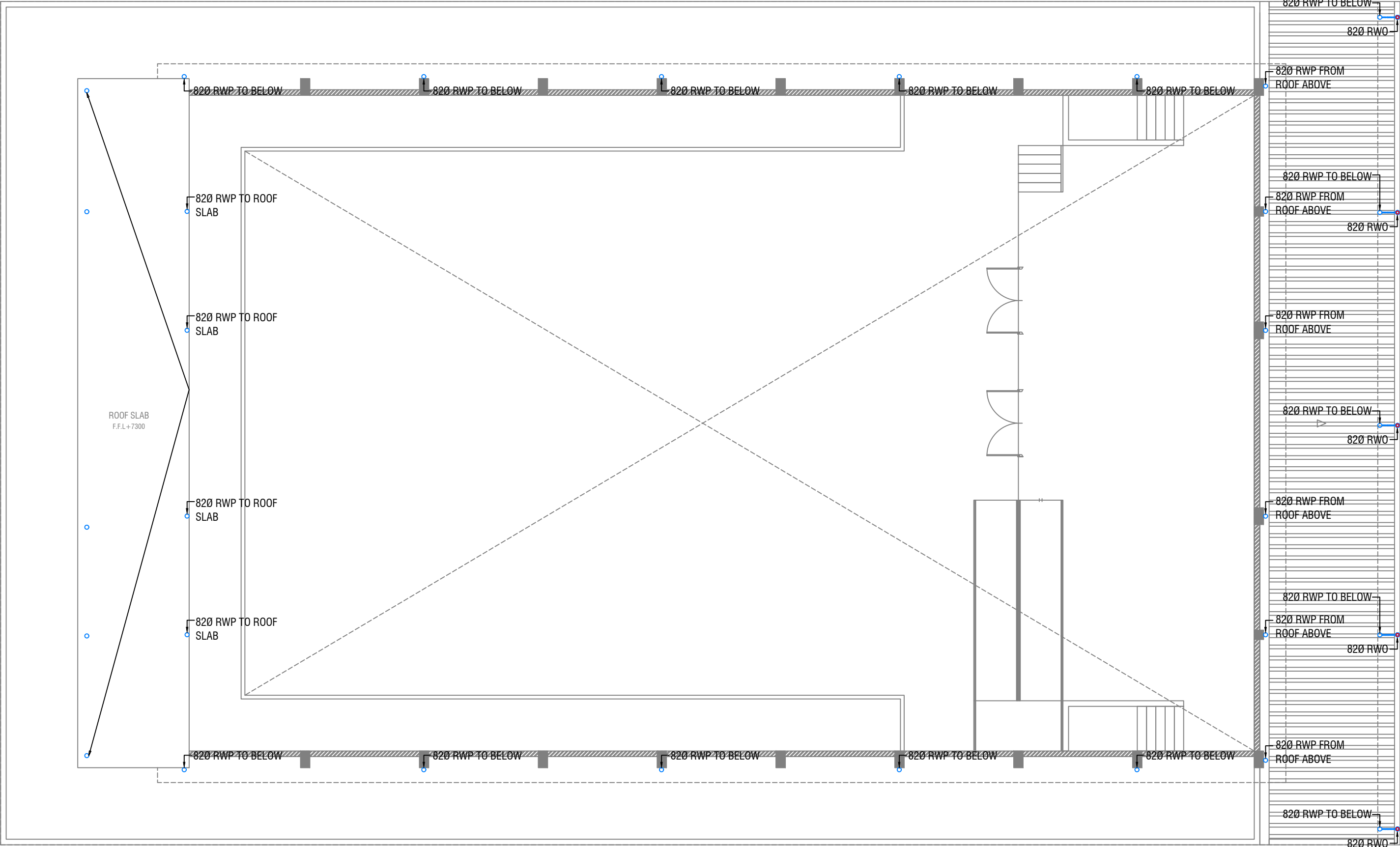
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Title: Ground Floor Plumbing
& Drainage Layout
Page: DR - 01/04

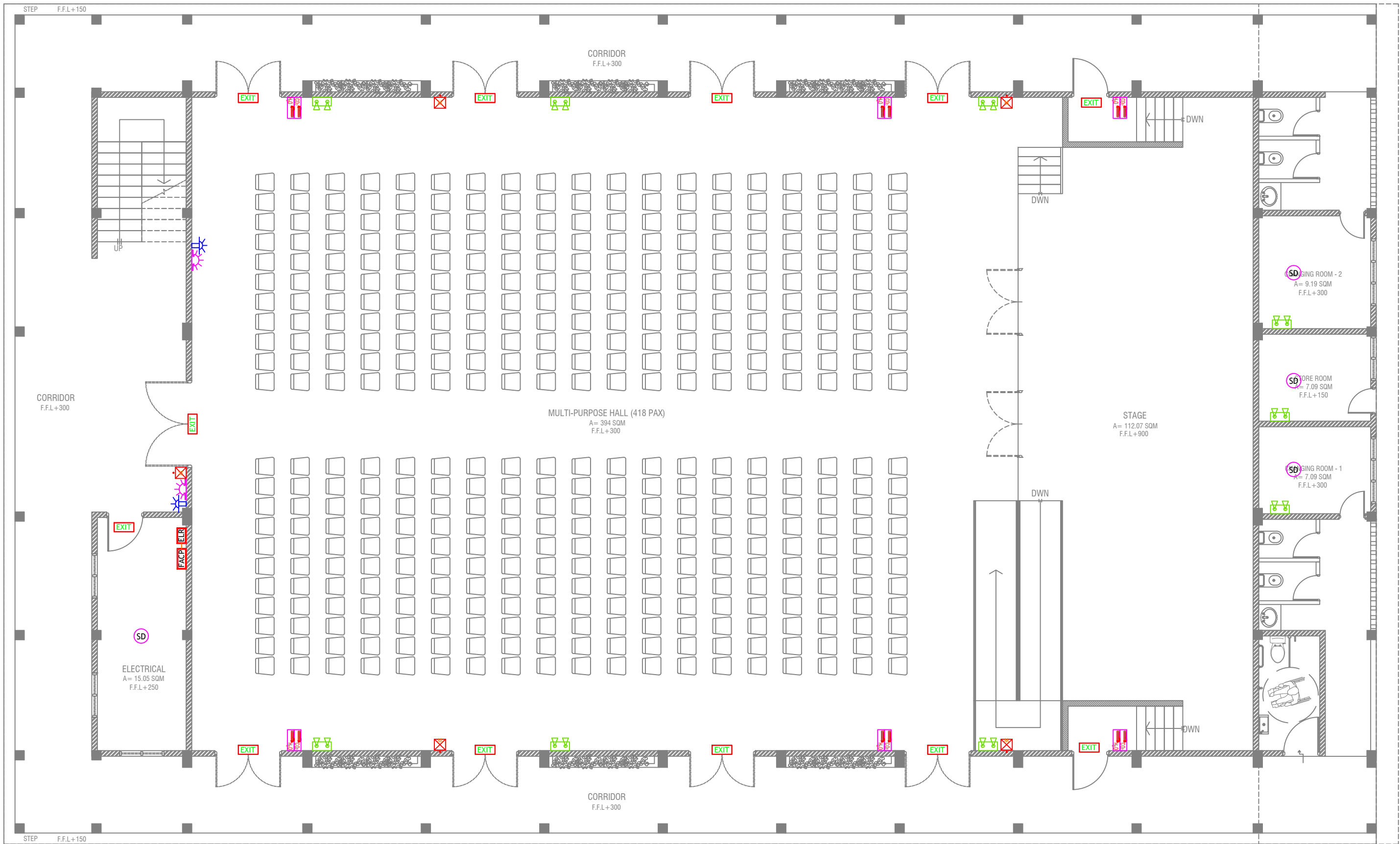
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ROOF PLAN - 1 DRAINAGE LAYOUT

SCALE 1:100

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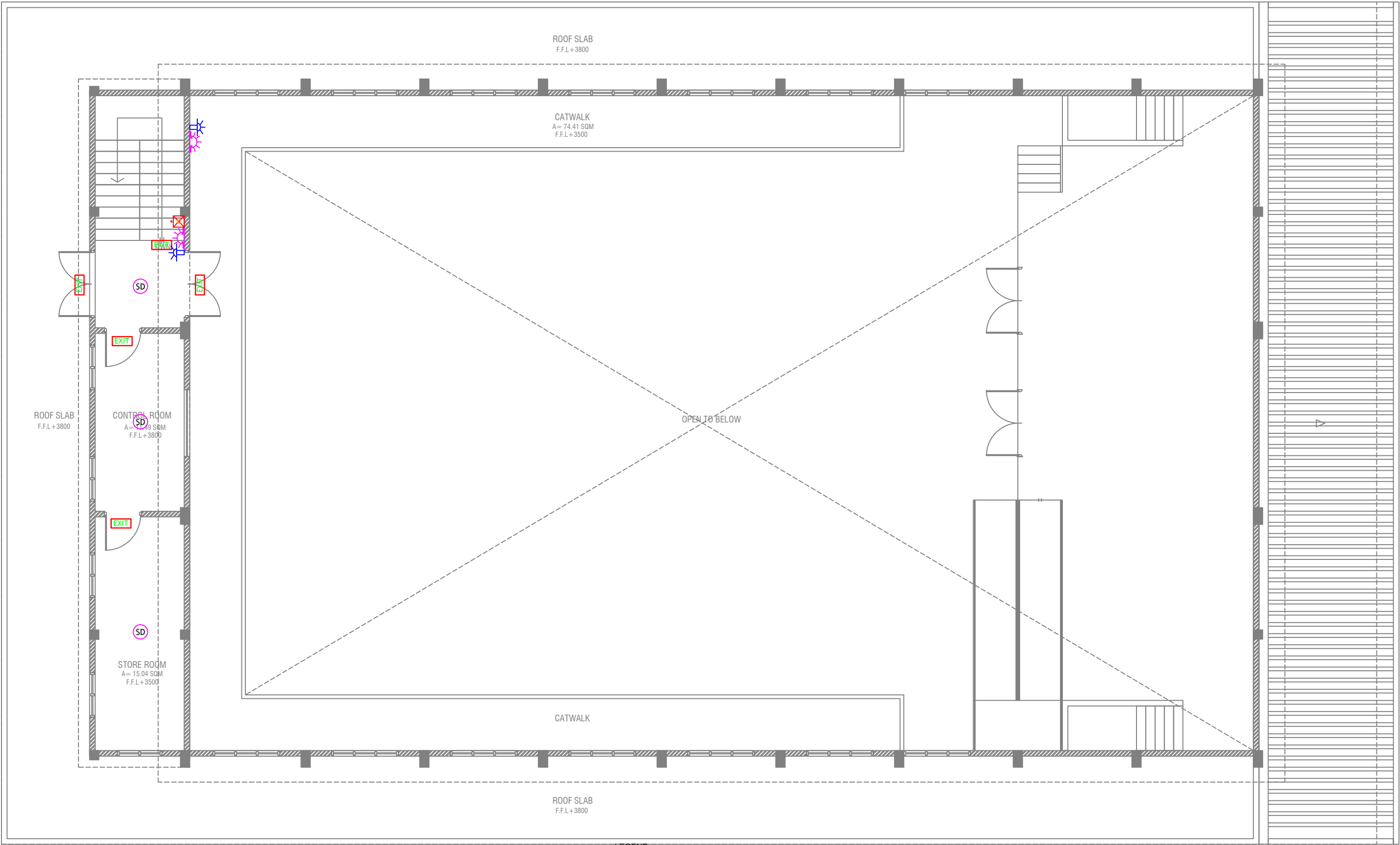


GROUND FLOOR FDP LAYOUT



- LEGEND
- | | | | |
|------|---|------|--------------------------------|
| SD | SMOKE DETECTOR | ELR | END OF LINE RESISTANCE |
| HD | HEAT DETECTOR | FACP | FIRE ALARM CONTROL PANEL |
| EXIT | EXIT SIGN | | MANUAL CALL POINT (RESETTABLE) |
| EM | EMERGENCY LIGHT | | BEACON |
| | CO ₂ EXTINGUISHER (LOAD: 2KG) IN POLYCARBONATE ENCLOSURE(TYP.) | | SOUNDER/BELL (85 DB) |
| | WET CHEMICAL FIRE EXTINGUISHER (LOAD 7.2KG) | | |
| | H ₂ O 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/BACKET 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

- SD SMOKE DETECTOR
HD HEAT DETECTOR
EXIT EXIT SIGN
EM 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.)

- 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.
2. ALL PIPE SHALL BE PAINTED IN RED AS PER REGULATION.
3. ALL SUPPORT(BRACKET) SHALL BE HOT DIPPED GALVANIZED TO 1000AM.
4. ALL FIRE EXTINGUISHER INSIDE CABINETS. (CABINET SHOULD BE PROVIDED)

Th.Guraidhoo School Hall
Client: Ministry of Education

Rev no	Date
01	01/02/2019
02	01/02/2019
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Title: 1st Floor FDP Layout
Page: DP - 02/02

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