

# Proposed Multipurpose Hall Building at R.Ungoofaaru School

*SERVICES DRAWINGS*  
Client: Ministry of Education



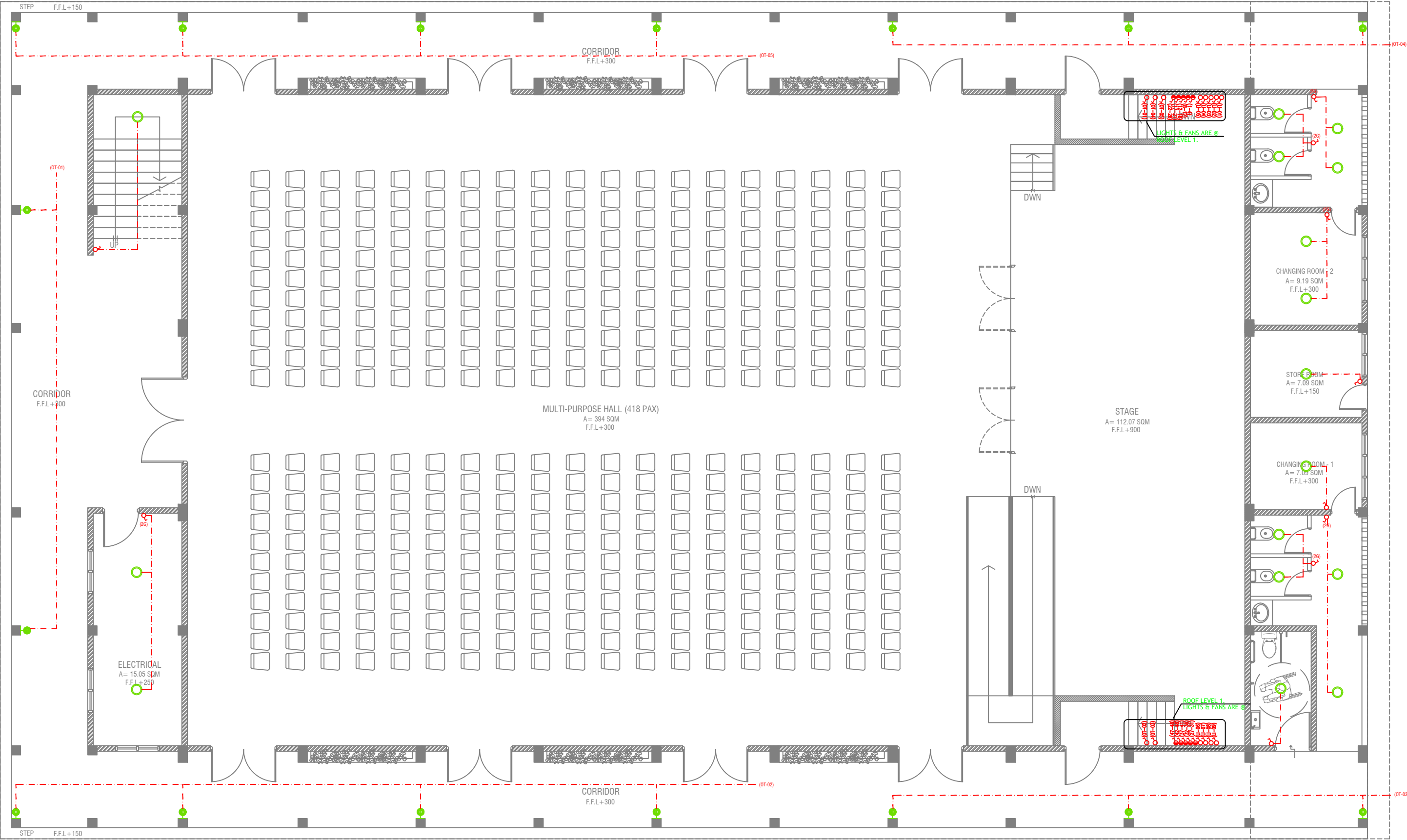
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3rd floor, H. Azum, Ameenemogu, Male

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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"

R. Ungoofaaru School Hall

Client: Ministry of Education

Project Number: R/2017/012

Date: February 2019

Architect: Hazana Amir

Engineer: Ahmed Zuhair Zakiem

Services: A/Abdullah Alkhayyat

Interior: -



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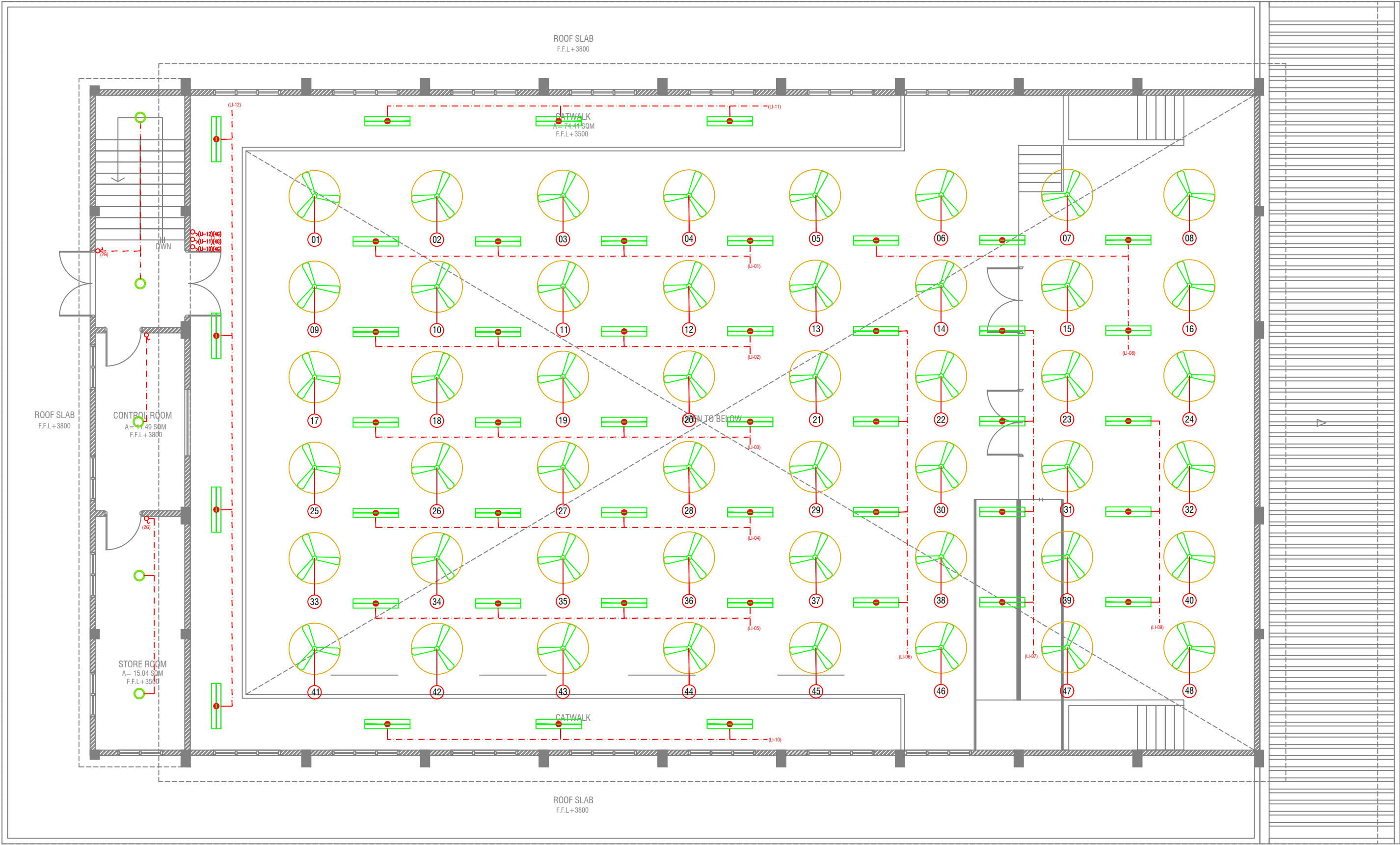
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3rd floor, H. Azam, Arvenemogga, Malé

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)

CEILING FAN (52" - 54")

WPD OUT DOOR WALL LIGHT

LIGHT SWITCH  
 CEILING FAN SWITCH  
 CIRCUIT LINE  
 SWITCHING LINE

NOTE:  
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R. Ungoofaar School Hall  
Client: Ministry of Education

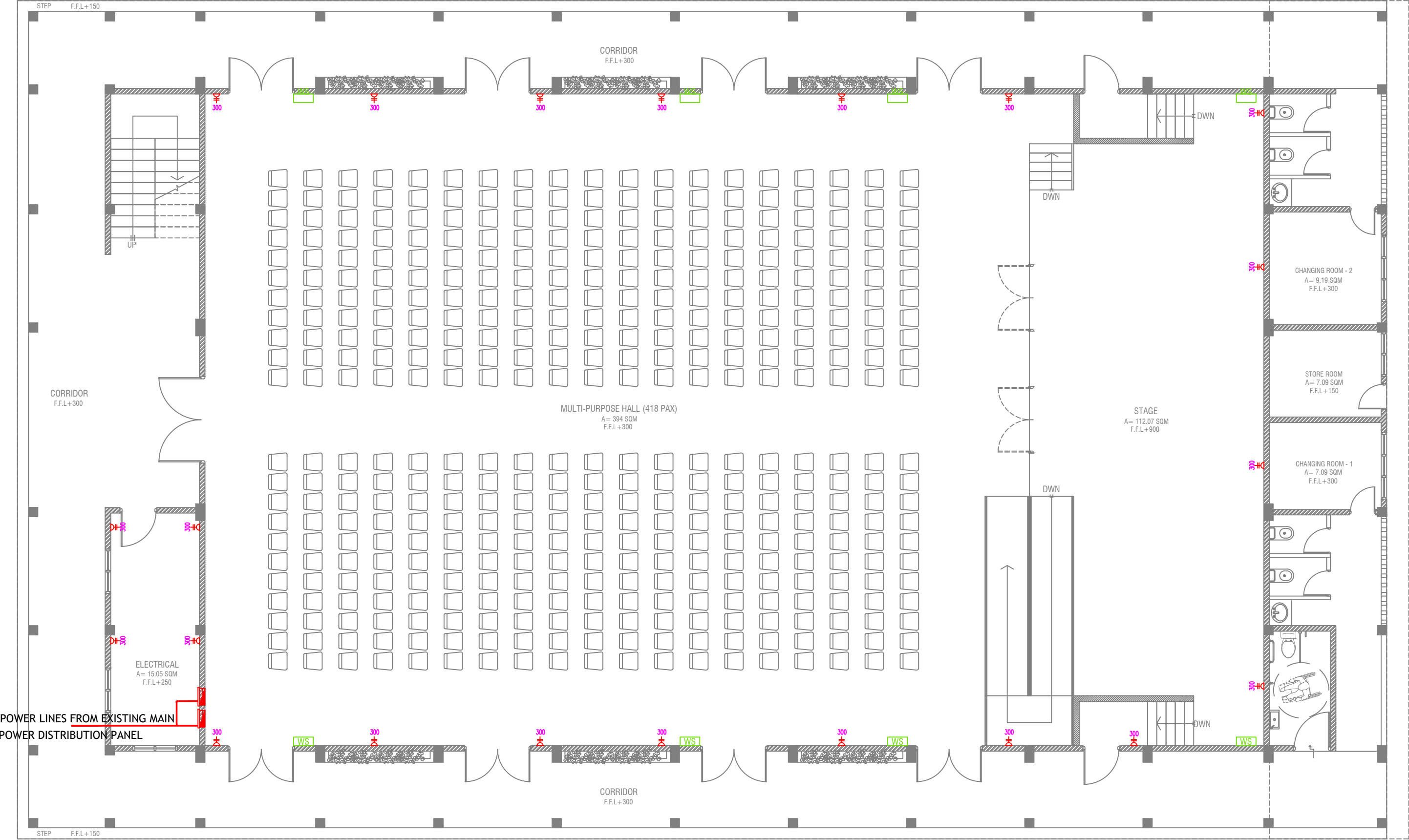
Project Number: R/2017/012  
Date: February 2019  
Architect: Hazana Amir  
Engineer: Ahmed Zuhair Zakiem  
Services: Aishah Ahmad  
Interior: -



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3rd floor, H. Azam, Ammanmogu, Malé

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

R. Ungoofaar School Hall  
Client: Ministry of Education

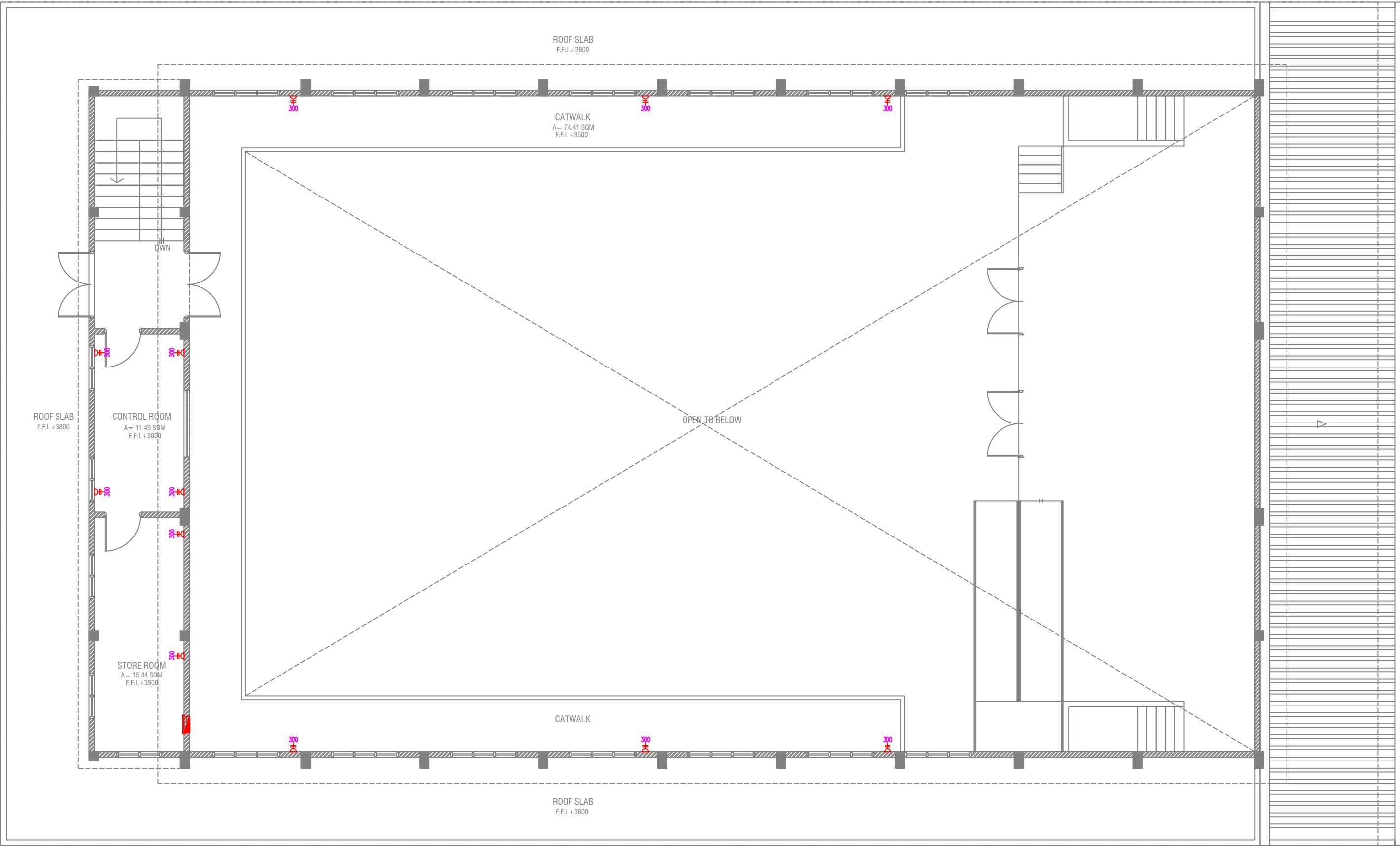
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Title: Ground Floor  
Power Layout  
Page: EP - 01/02

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FIRST FLOOR POWER LAYOUT

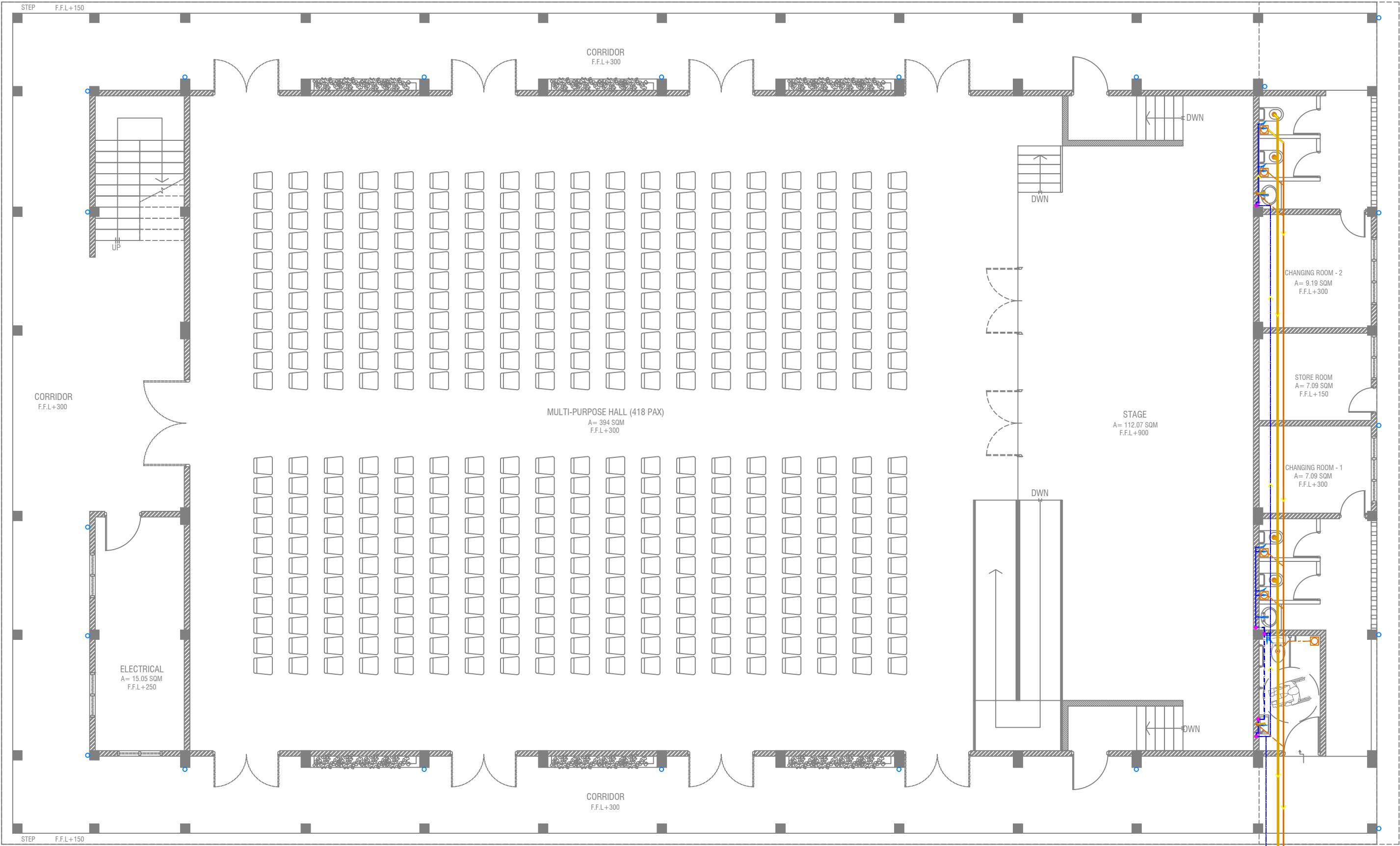
SCALE 1:100



- PHONE EXTENSION
- COMPUTER NETWORK OUTLET (RJ 45 CONNECTORS)
- TELEPHONE OUTLET (RJ11, CONNECTOR)
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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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e: info@riyan.com.jo  
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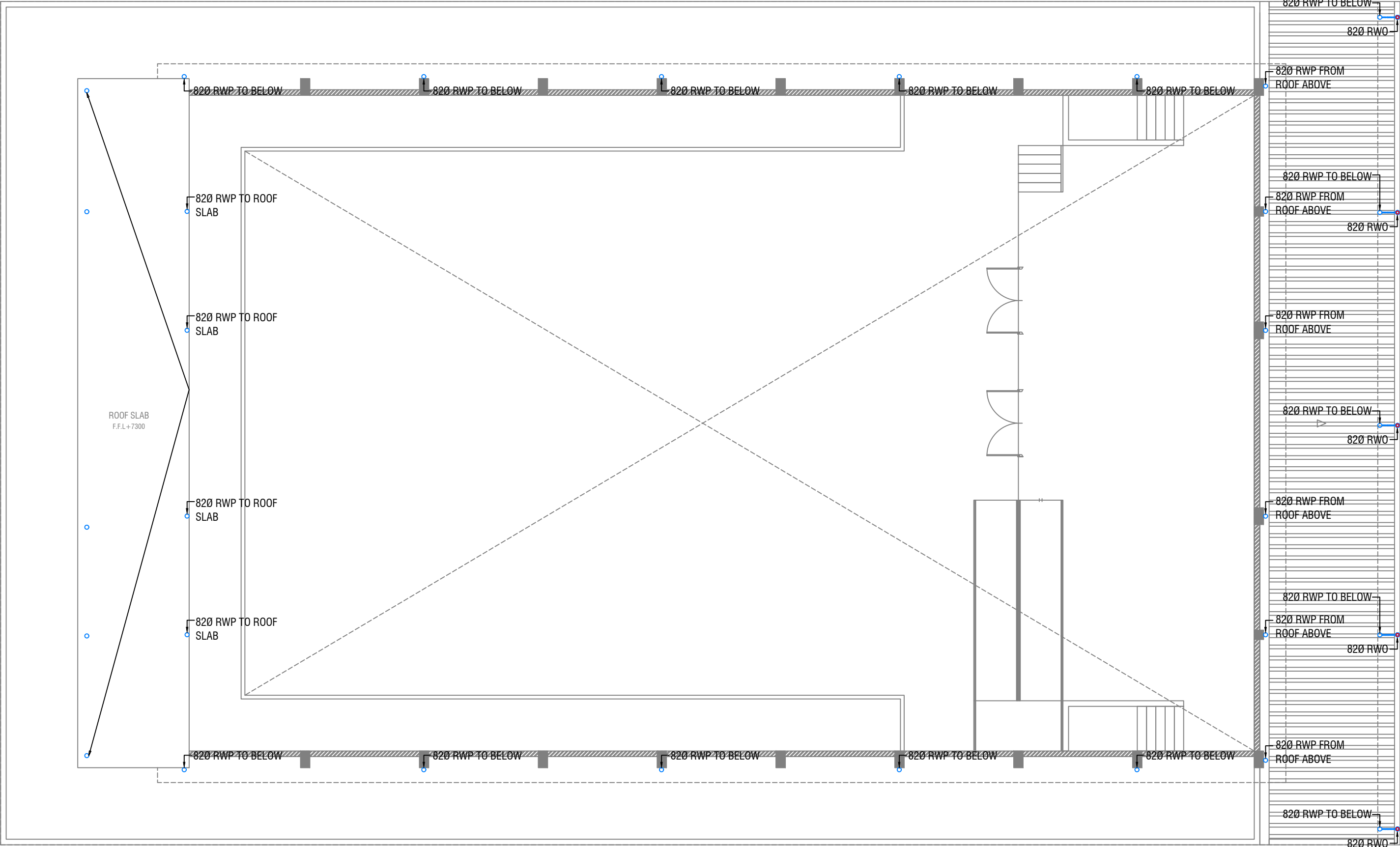
Title: Ground Floor Plumbing & Drainage Layout  
Page: DR - 01/04

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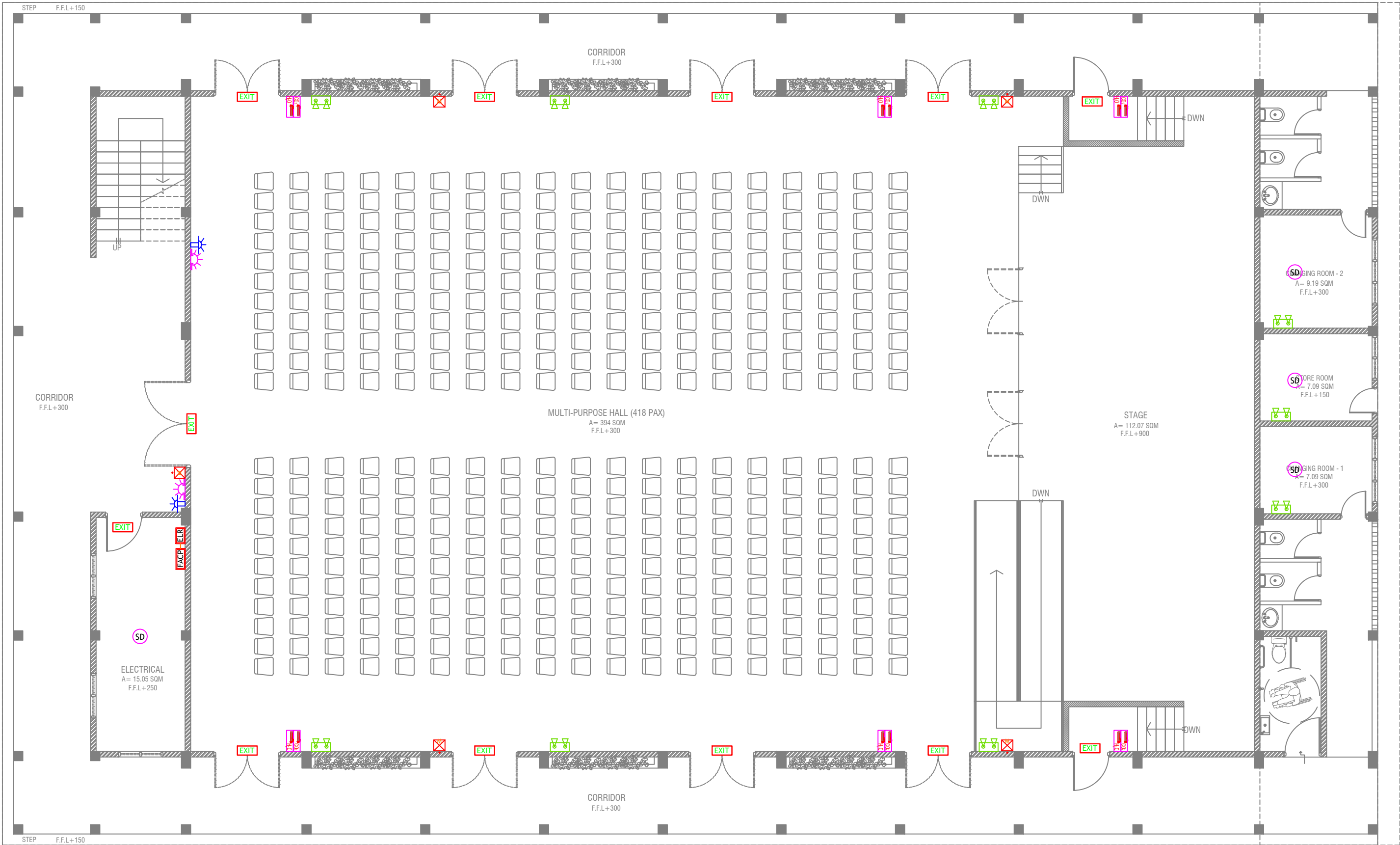


ROOF PLAN - 1 DRAINAGE LAYOUT

SCALE 1:100







## GROUND FLOOR FDP LAYOUT

SCALE 1:100



### 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.
- 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)

R. Ungoofaaru School Hall

Client: Ministry of Education

Project Number: R/2017/012

Date: February 2019

Architect: Hazana Amir

Engineer: Ahmed Zuhair Zakiem

Services: A/Abdullah Alhadi

Interior: -



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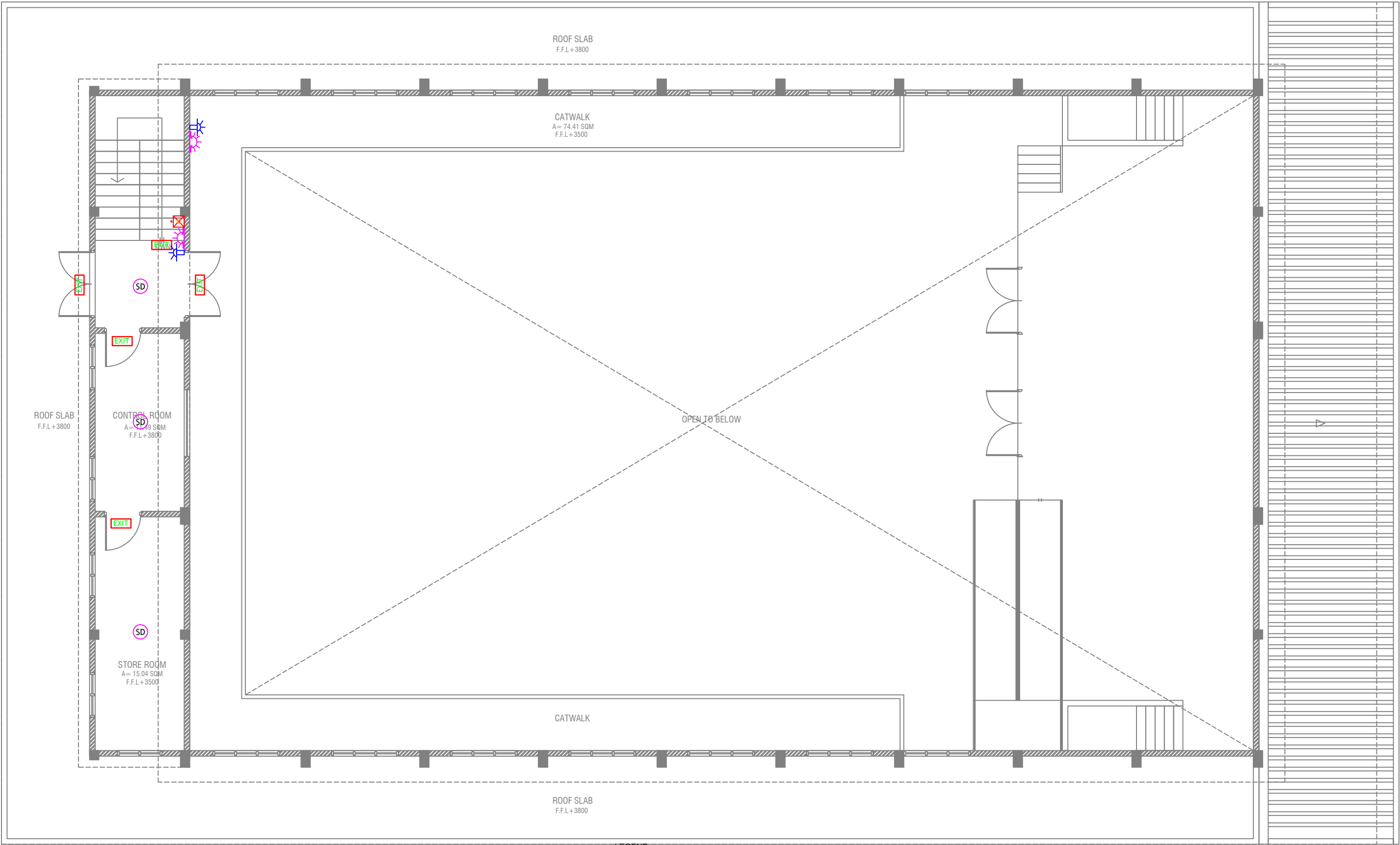
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Title: Ground Floor

FDP Layout

Page#DP - 01/02

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FIRST FLOOR FDP LAYOUT

SCALE 1:100



LEGEND

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

- CO<sub>2</sub> EXTINGUISHER (LOAD: 2KG) IN POLYCARBONATE ENCLOSURE(TYP.)  
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MANUAL CALL POINT (RESETTABLE)  
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ALL FIRE RATED DOOR SHOULD COME WITH PACKING (EXPANSION SEAL TRAP)

1. ALL PIPES SHOULD BE GALVANIZED SCHEDULE 40.  
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R. Ungoofaaru School Hall  
Client: Ministry of Education

Rev no	Date
01	10/02/2019
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e: info@riyan.com.mv  
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Title: 1st Floor  
FDP Layout  
Page: DP - 02/02

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