

# Proposed Multipurpose Hall Building at V.Felidhoo School

*SERVICES DRAWINGS*  
Client: Ministry of Education



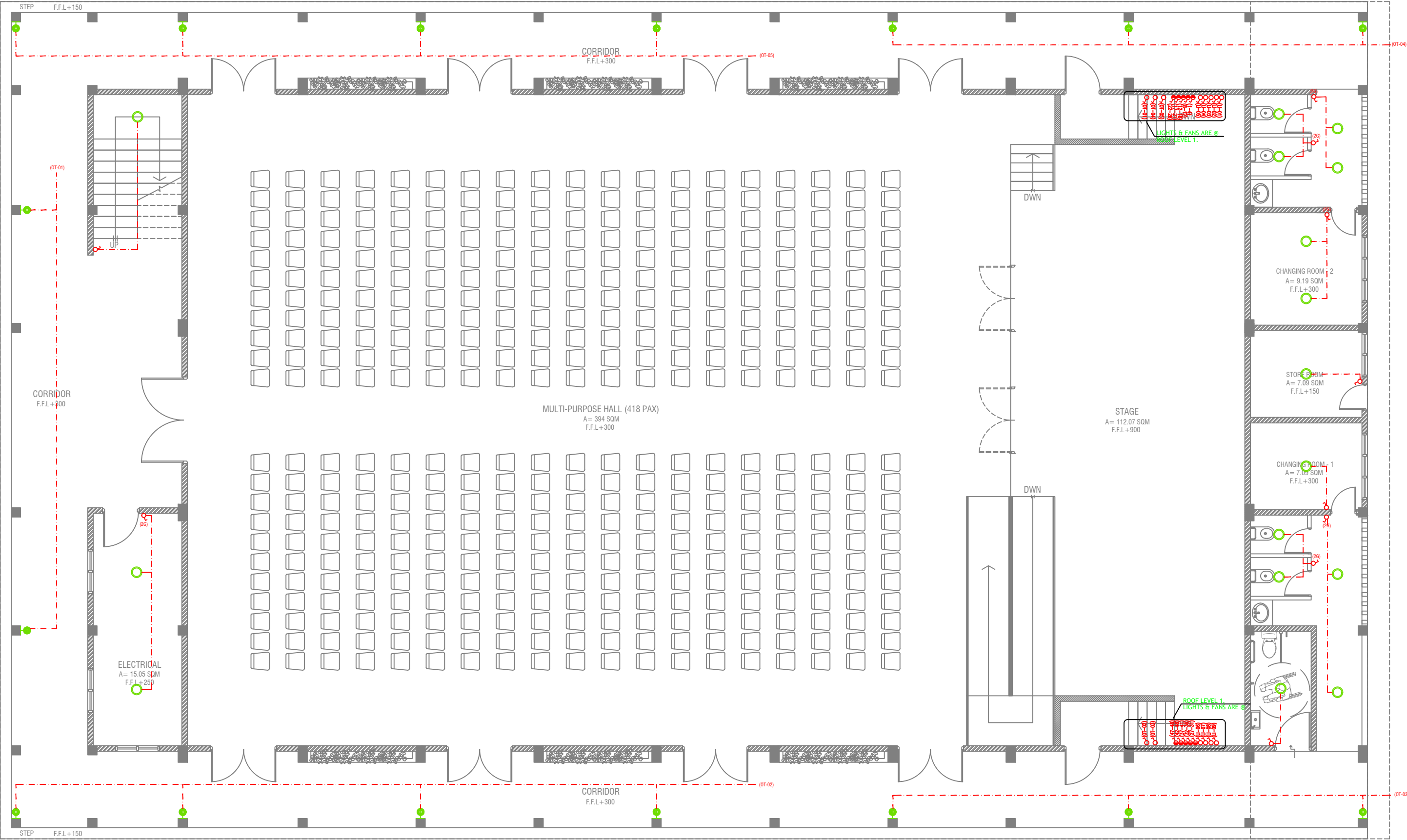
RIYAN PRIVATE LIMITED

t : +9603315049 f : +9603310776  
e : info@riyan.com.mv  
w : www.riyan.com.mv

3rd floor, H. Azum, Ameenemogu, Male

TABLE OF CONTENTS

DRAWING No.	TITLE	REVISION No.	DATE	REMARKS
A R C H I T E C T U R A L		---	---	---
EL - 01 / 02	GROUND FLOOR LIGHTING LAYOUT	---	---	---
EL - 02 / 02	1ST FLOOR LIGHTING LAYOUT	---	---	---
EP - 01 / 02	GROUND FLOOR POWER LAYOUT	---	---	---
EP - 02 / 02	1ST FLOOR POWER LAYOUT	---	---	---
DR - 01 /04	GROUND FLOOR PLUMBING & DRAINAGE LAYOUT	---	---	---
DR - 02 /04	1ST FLOOR PLUMBING & DRAINAGE LAYOUT	---	---	---
DR - 03 /04	ROOF PLAN -1 PLUMBING & DRAINAGE LAYOUT	---	---	---
DR - 04 /04	ROOF PLAN -2 PLUMBING & DRAINAGE LAYOUT	---	---	---
FDP - 01 / 02	GROUND FLOOR FDP LAYOUT	---	---	---
FDP - 02 / 02	1ST FLOOR FDP LAYOUT	---	---	---



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"

V.Felidhoo School Hall

Client: Ministry of Education

Project Number: 8/2017/012

Date: February 2019

Architect: Hazana Amir

Engineer: Ahmed Zuhair Zakiem

Services: A/Abdullah Almad

Interior: -



RIYAN PRIVATE LIMITED

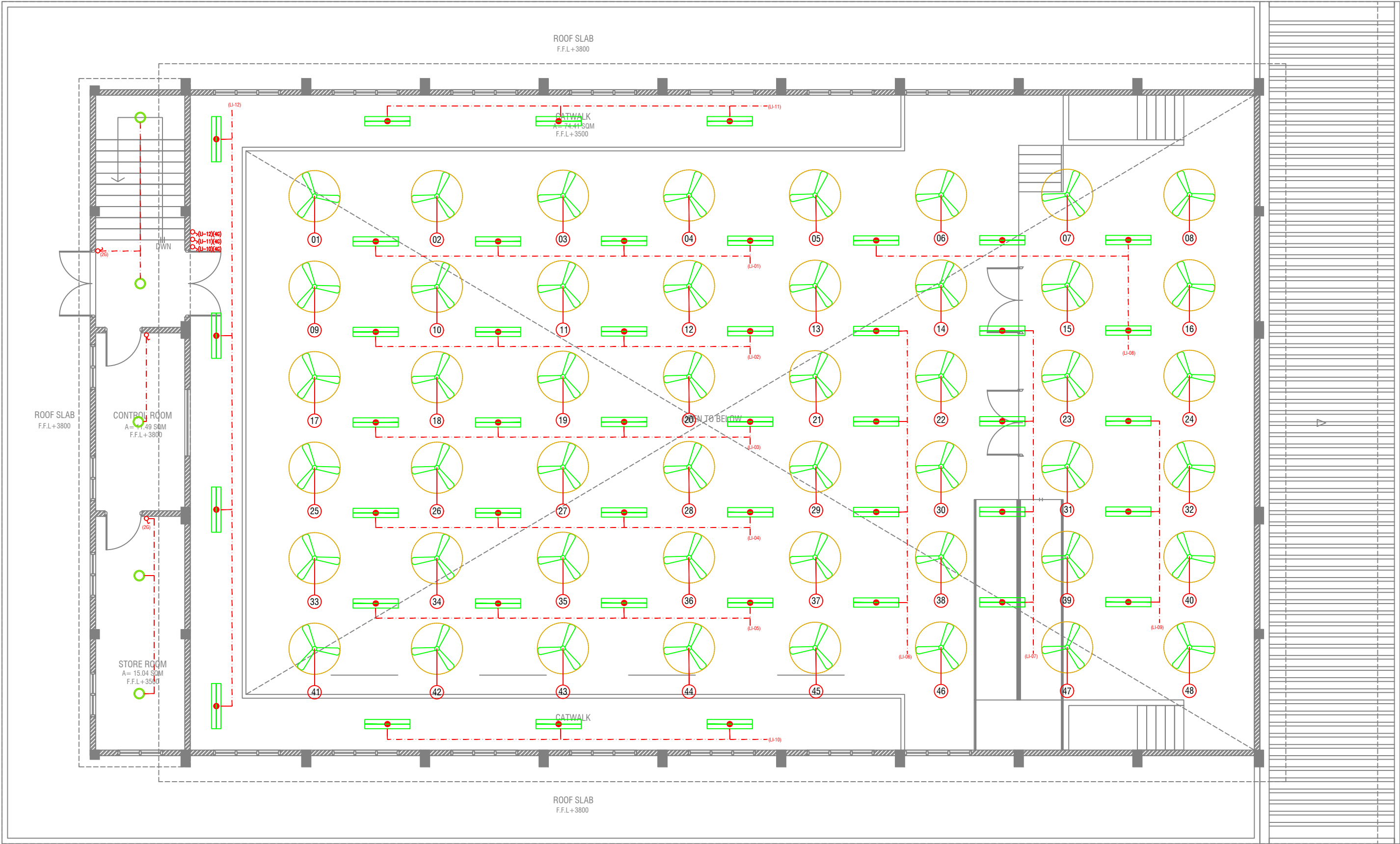
T: +9603250491 F: +9603307076  
E: info@riyan.com.mv  
W: www.riyan.com.mv  
3rd floor, H. Azam, Arvenemogga, Malé

Title: Ground Floor

Lighting Layout

Page: EL - 01/02

The contents of these drawings remain as a property of Riyan Private Limited. Any use other than those expressly stated is a violation of this copyright.



# 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"

V. Felidhoo School Hall

Client: Ministry of Education

Project Number: 8/2017/012

Date: February 2019

Architect: Hazana Amir

Engineer: Ahmed Zuhair Zakiem

Services: Aghash Ahmed

Interior: -

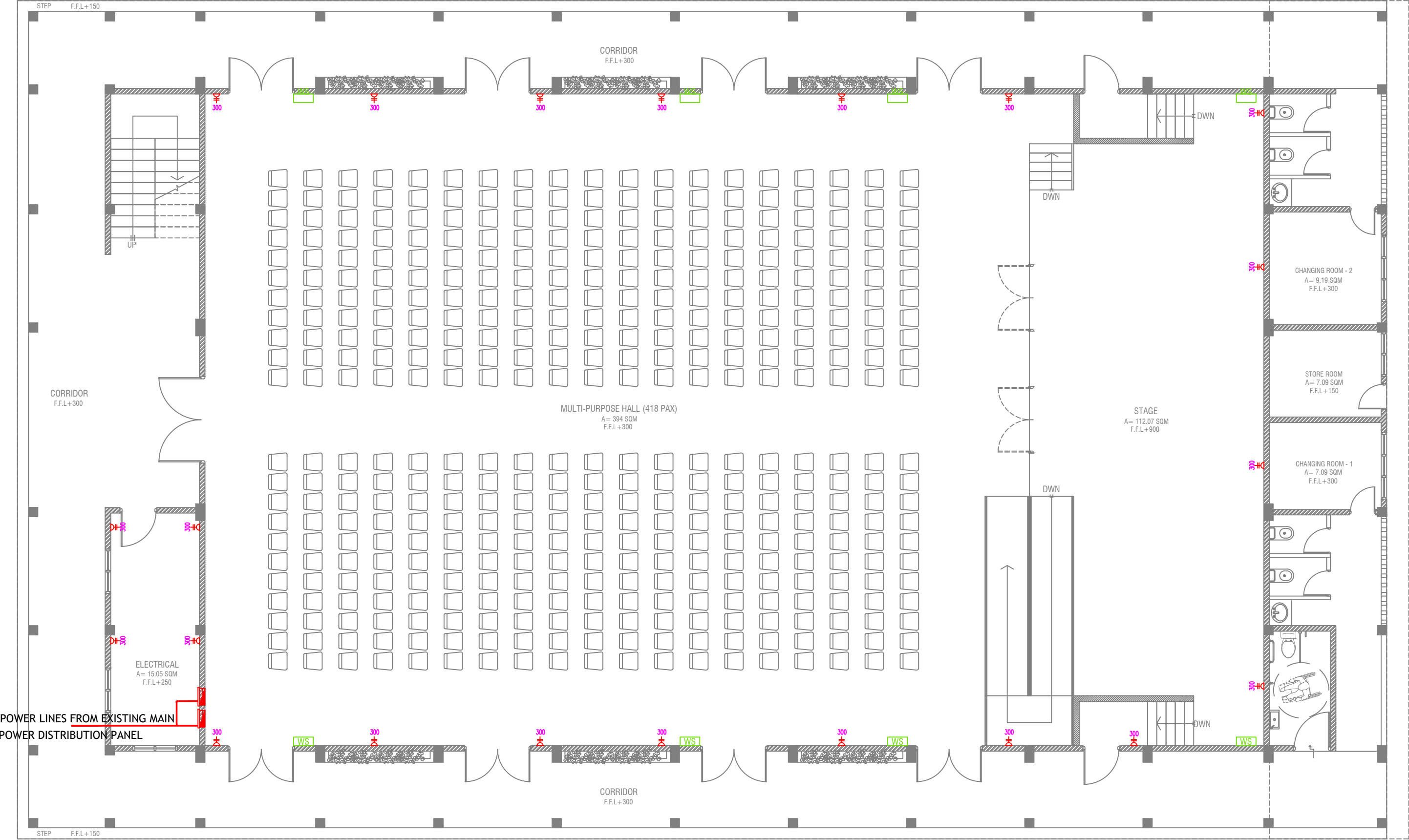


RIYAN PRIVATE LIMITED

t: +9603250491 f: +9603303076  
e: info@riyan.com.mv  
www.riyan.com.mv  
3rd floor, H. Azam, Ammanmogu, Malé

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

The contents of these drawings remain as a property of Riyan Private Limited. Any use other than those expressly stated is a violation of this copyright.



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

V.Felidhoo School Hall  
Client: Ministry of Education

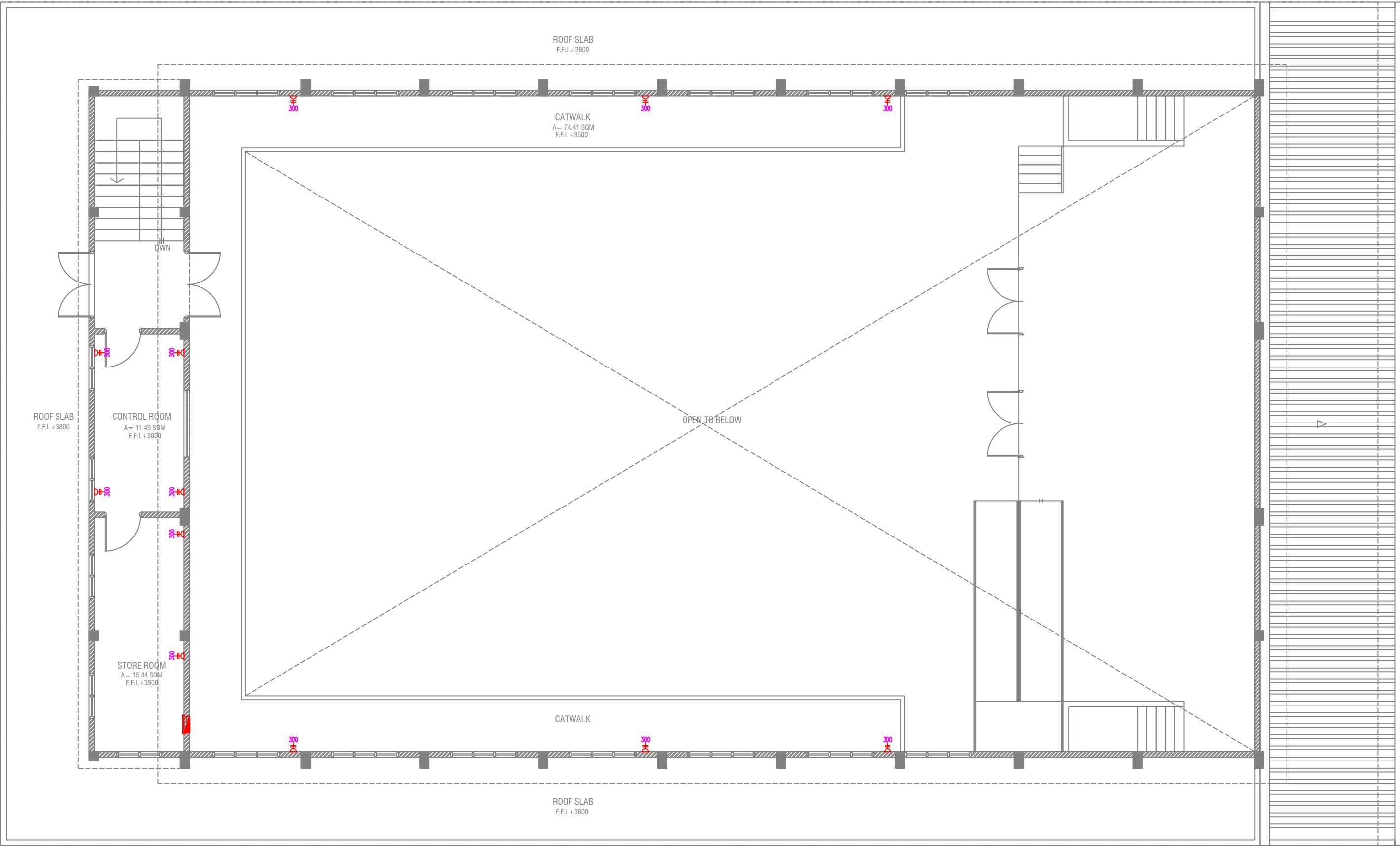
Rev no	Date
1	2017/01/12
2	2017/01/12
3	2017/01/12
4	2017/01/12
5	2017/01/12
6	2017/01/12
7	2017/01/12
8	2017/01/12
9	2017/01/12
10	2017/01/12
11	2017/01/12
12	2017/01/12
13	2017/01/12
14	2017/01/12
15	2017/01/12
16	2017/01/12
17	2017/01/12
18	2017/01/12
19	2017/01/12
20	2017/01/12
21	2017/01/12
22	2017/01/12
23	2017/01/12
24	2017/01/12
25	2017/01/12
26	2017/01/12
27	2017/01/12
28	2017/01/12
29	2017/01/12
30	2017/01/12
31	2017/01/12
32	2017/01/12
33	2017/01/12
34	2017/01/12
35	2017/01/12
36	2017/01/12
37	2017/01/12
38	2017/01/12
39	2017/01/12
40	2017/01/12
41	2017/01/12
42	2017/01/12
43	2017/01/12
44	2017/01/12
45	2017/01/12
46	2017/01/12
47	2017/01/12
48	2017/01/12
49	2017/01/12
50	2017/01/12
51	2017/01/12
52	2017/01/12
53	2017/01/12
54	2017/01/12
55	2017/01/12
56	2017/01/12
57	2017/01/12
58	2017/01/12
59	2017/01/12
60	2017/01/12
61	2017/01/12
62	2017/01/12
63	2017/01/12
64	2017/01/12
65	2017/01/12
66	2017/01/12
67	2017/01/12
68	2017/01/12
69	2017/01/12
70	2017/01/12
71	2017/01/12
72	2017/01/12
73	2017/01/12
74	2017/01/12
75	2017/01/12
76	2017/01/12
77	2017/01/12
78	2017/01/12
79	2017/01/12
80	2017/01/12
81	2017/01/12
82	2017/01/12
83	2017/01/12
84	2017/01/12
85	2017/01/12
86	2017/01/12
87	2017/01/12
88	2017/01/12
89	2017/01/12
90	2017/01/12
91	2017/01/12
92	2017/01/12
93	2017/01/12
94	2017/01/12
95	2017/01/12
96	2017/01/12
97	2017/01/12
98	2017/01/12
99	2017/01/12
100	2017/01/12



RIYAN PRIVATE LIMITED  
t: +960325049 f: +960320776  
e: info@riyan.com.mv  
www.riyan.com.mv  
3rd floor, H. Azam, Ammanmogu, Malé

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

The contents of these drawings remain as a property of Riyan Private Limited. Any use other than those expressly stated is a violation of this copyright.

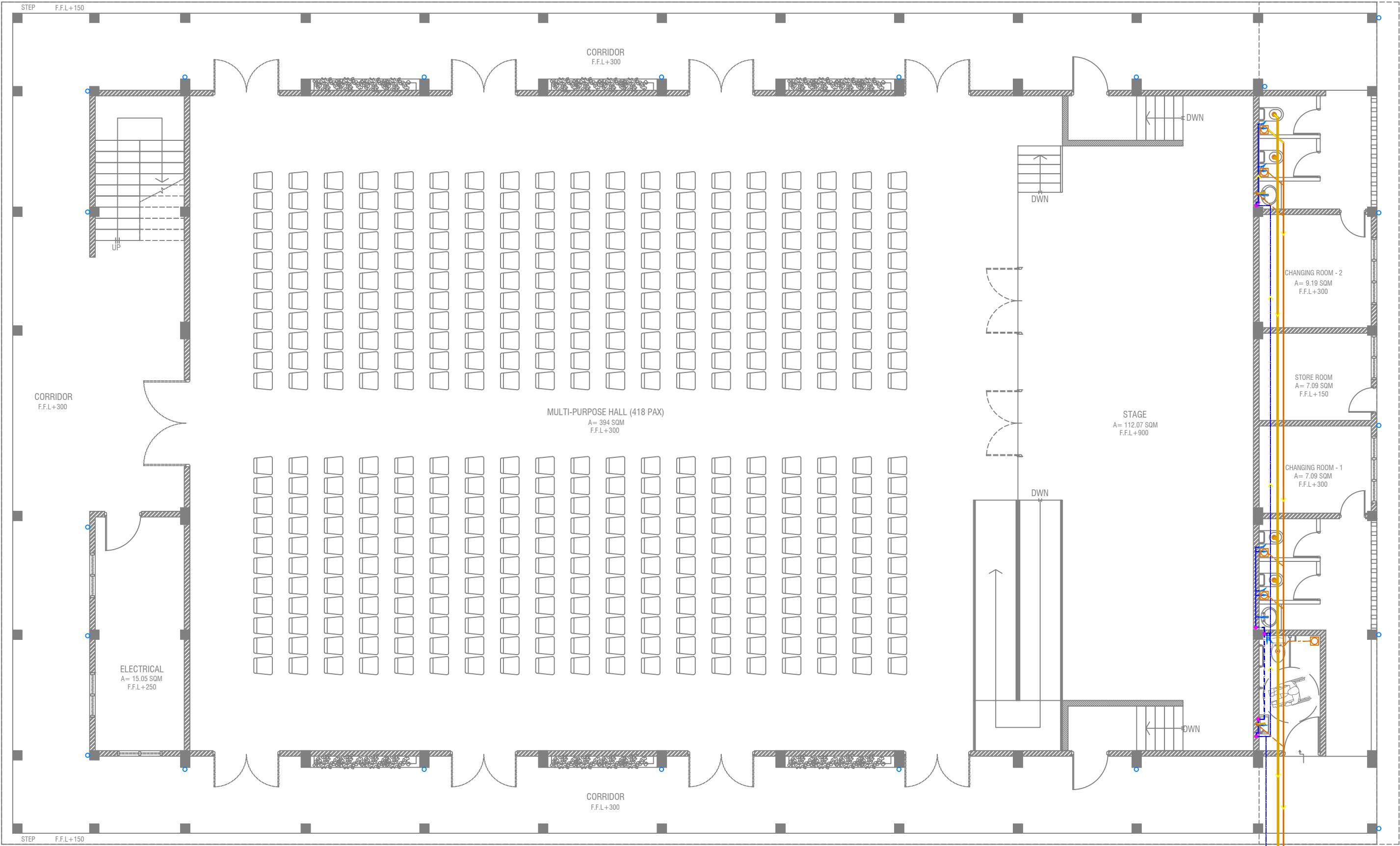


**FIRST FLOOR POWER LAYOUT**

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
- 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
- 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

V. Felidhoo School Hall

Client: Ministry of Education

Rev no	Date
01	2017/01/12
02	2017/01/12
03	2017/01/12
04	2017/01/12
05	2017/01/12
06	2017/01/12
07	2017/01/12
08	2017/01/12
09	2017/01/12
10	2017/01/12



RIYAN PRIVATE LIMITED

T: +960 2250491 F: +960 2250776  
E: info@riyan.com.mv  
W: www.riyan.com.mv  
3rd floor, H. Azam, Ammanmaga, Malé

Title: Ground Floor Plumbing & Drainage Layout

Page: DR - 01/04

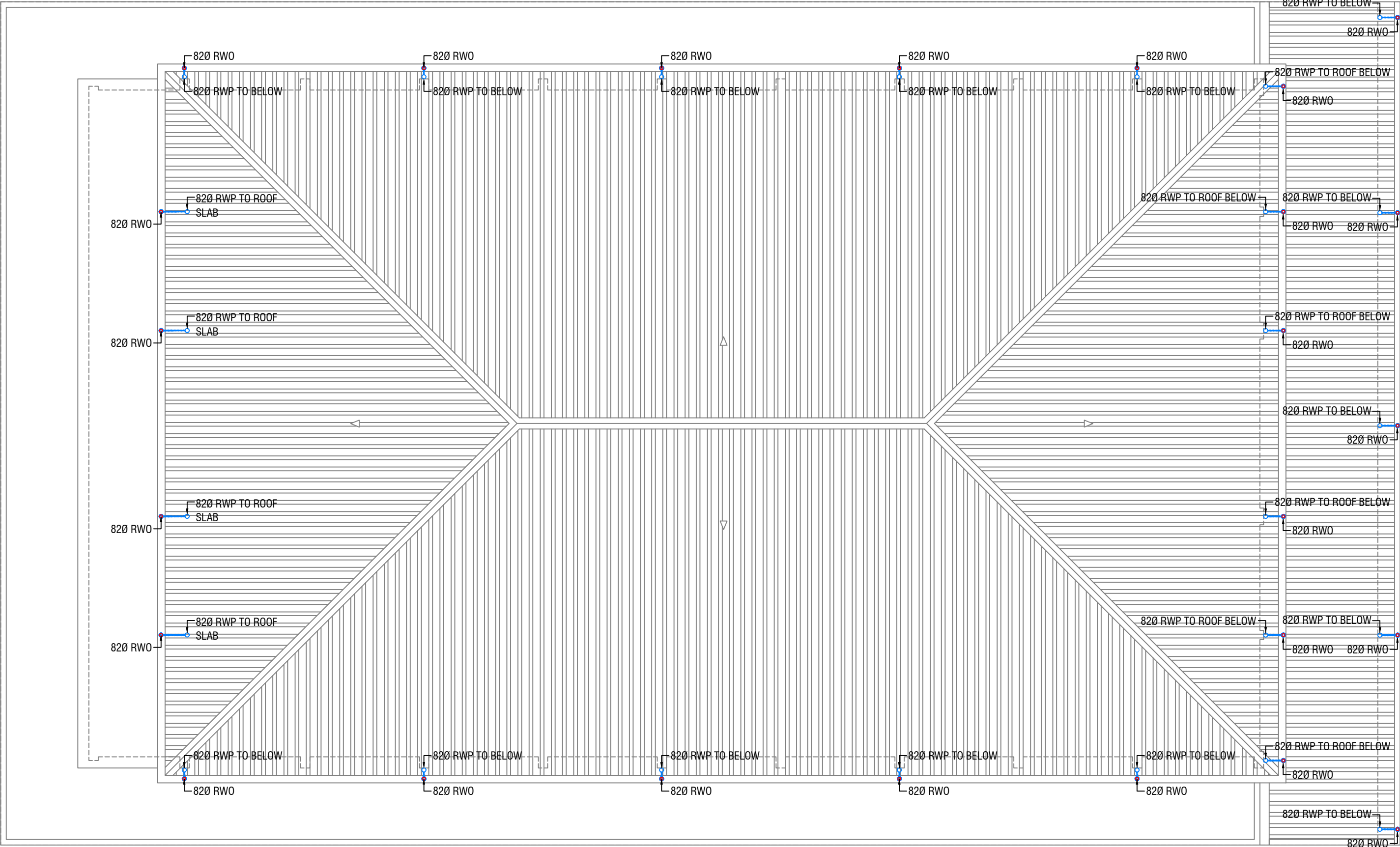
The contents of these drawings remain as a property of Riyan Private Limited. Any use other than those expressly stated is a violation of this copyright.







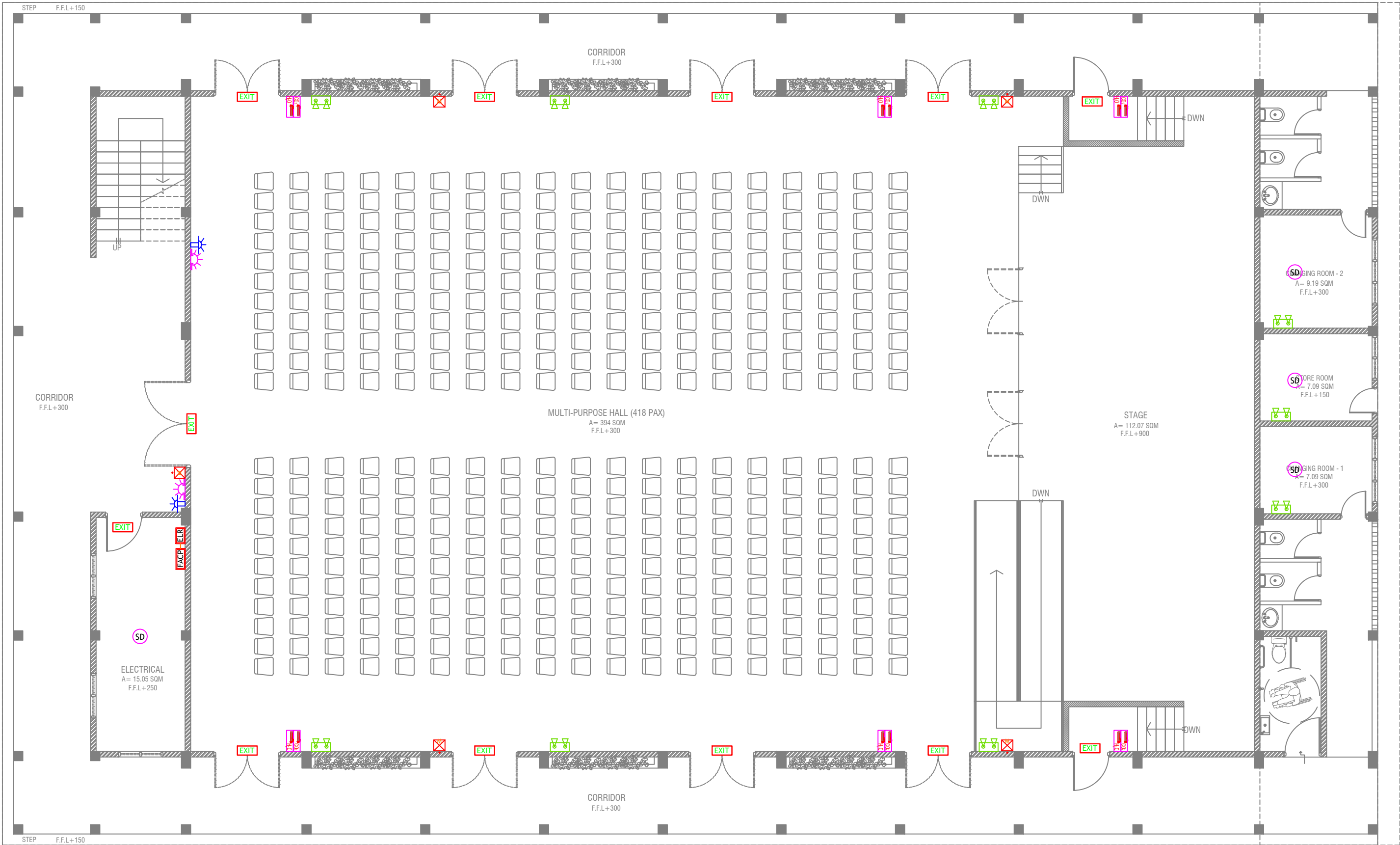




ROOF PLAN - 2 DRAINAGE LAYOUT

SCALE 1:100

0 0.5 1 2 3 4 5



GROUND FLOOR FDP LAYOUT



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

V.Felidhoo School Hall  
Client: Ministry of Education

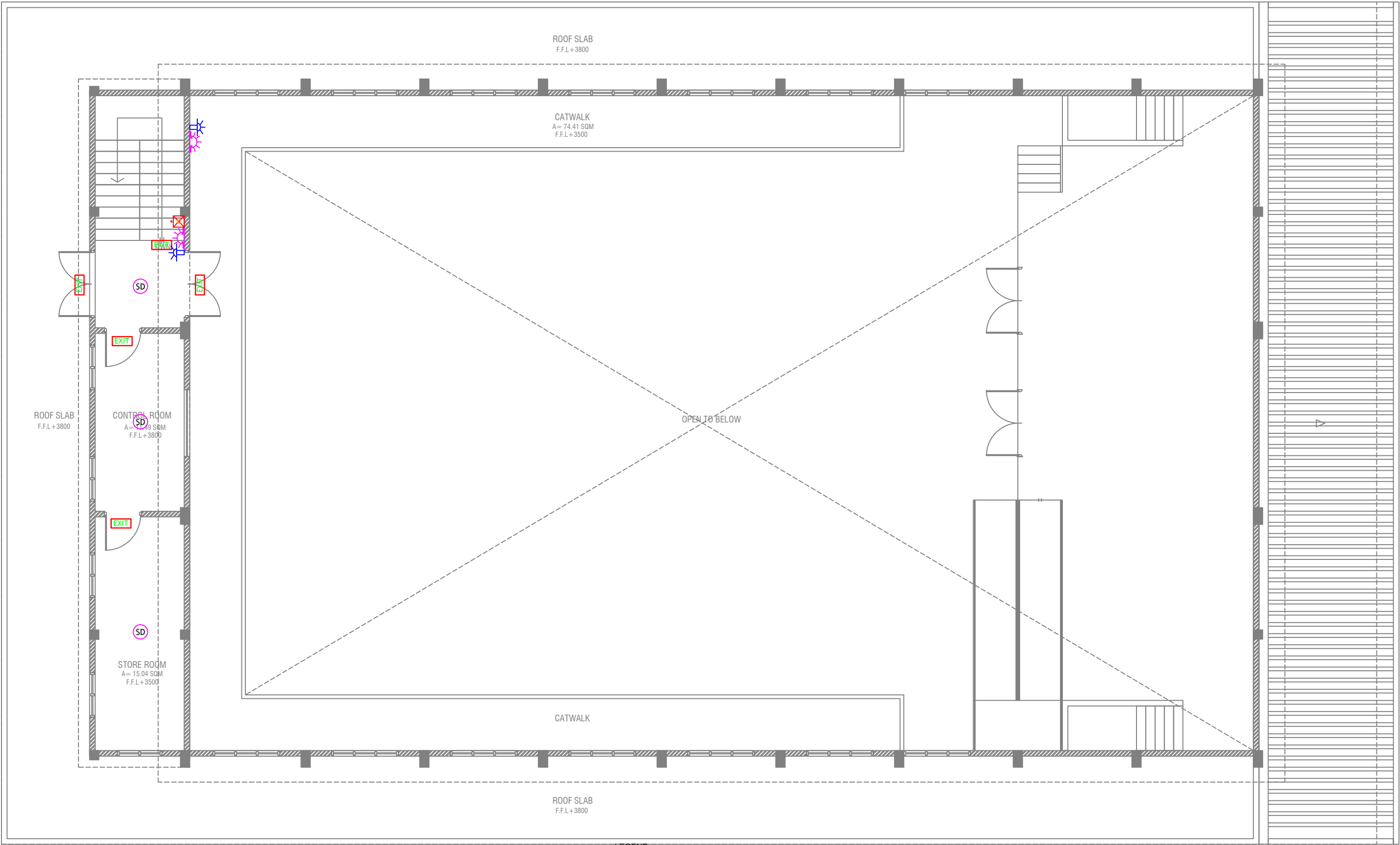
Project Number: B/2017/012  
Date: February 2019  
Architect: Izzana Amir  
Engineer: Ahmed Zuhair Zakiem  
Services: Architectural  
Interior :-  
Rev no      Date  
--      --  
--      --  
--      --



RIYAN PRIVATE LIMITED  
t: +960325049 f: +9603303776  
e: info@riyan.com.mv  
www.riyan.com.mv  
3rd floor, H. Azam, Amersomogga, Male'

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

The contents of these drawings remain as a property of Riyan Private Limited. Any use other than those expressly stated is a violation of this copyright.



## 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.)
- 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/BRACKET SHALL BE HOT DIPPED GALVANIZED TO 1000AM.
4. ALL FIRE EXTINGUISHER INSIDE CABINETS. (CABINET SHOULD BE PROVIDED)

V.Felidhoo School Hall  
Client: Ministry of Education

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



RIYAN PRIVATE LIMITED

t: +960325049 f: +960320776  
e: info@riyan.com.mv  
www.riyan.com.mv  
3rd floor, H. Azam, Ameremongu, Malé

Title: 1st Floor  
FDP Layout  
Page: DP - 02/02

The contents of these drawings remain as a property of Riyan Private Limited. Any use other than those expressly stated is a violation of this copyright.