

Proposed Multipurpose Hall Building at Gn.Fuvahmulah School

SERVICES DRAWINGS
Client: Ministry of Education

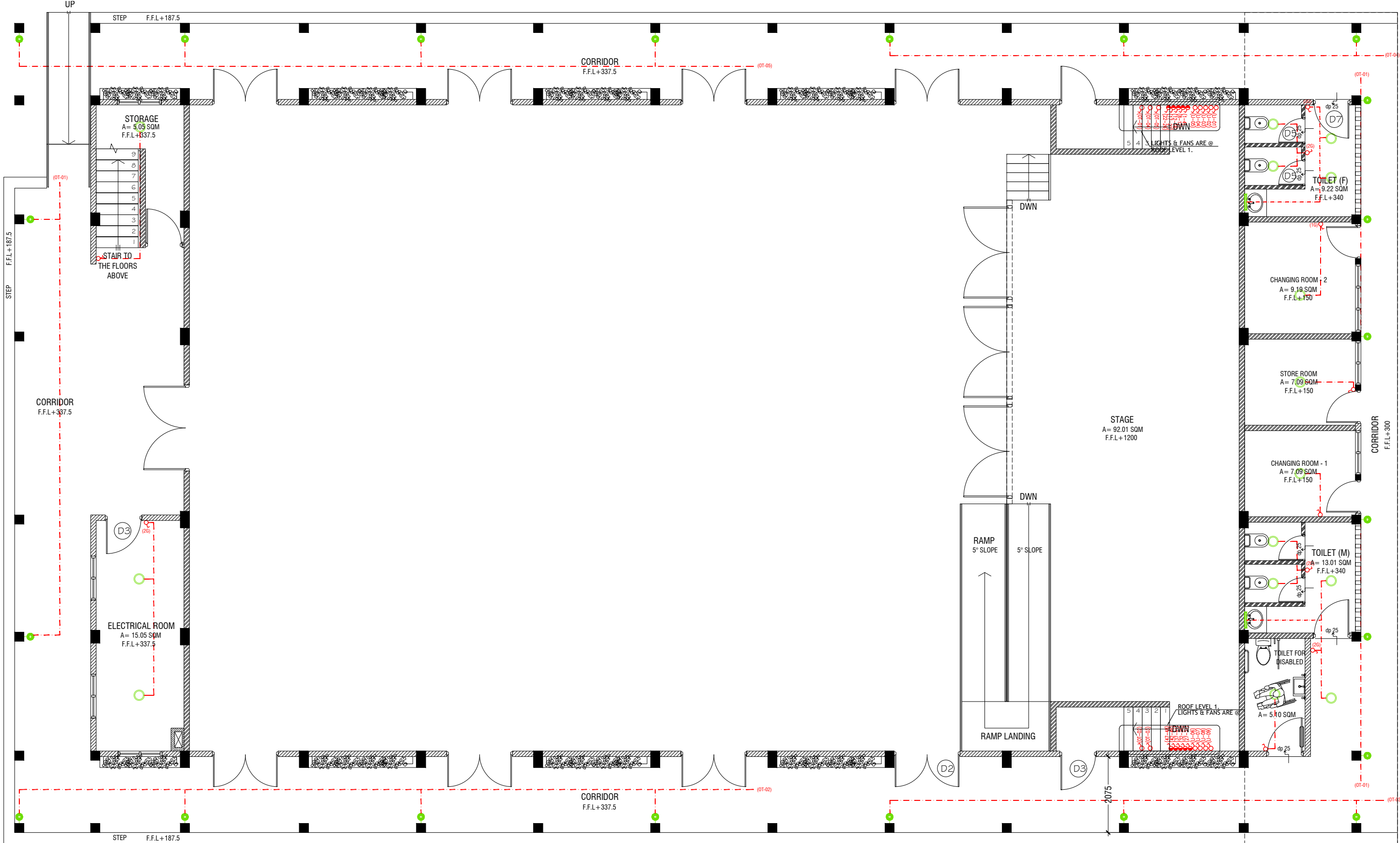


RIYAN PRIVATE LIMITED

t : +9603315049 f : +9603310776
e : info@riyan.com.mv
w : www.riyan.com.mv
3rd floor, H. Azum, Armeeneemagu, Male'

TABLE OF CONTENTS

DRAWING No.	TITLE	REVISION No.	DATE	REMARKS
S E R V I C E S		---	---	---
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 DRAINAGE LAYOUT	---	---	---
DR - 03 /04	ROOF PLAN -1 DRAINAGE LAYOUT	---	---	---
DR - 04 /04	ROOF PLAN -2 DRAINAGE LAYOUT	---	---	---
FDP - 01 / 02	GROUND FLOOR FDP LAYOUT	---	---	---
FDP - 02 / 02	1ST FLOOR FDP LAYOUT	---	---	---
DETAIL - 01 / 01	GROUND WATER WELL DETAIL	---	---	---



GROUND FLOOR LIGHTING LAYOUT

SCALE 1:100



LEGEND

- 4 x 55W PLL Lamps
(Wire guard, Polycarbonate diffuser, Emergency and dimming versions)
- LED CEILING DOWN LIGHT (18W)
- CEILING FAN (52" - 54")
- 40W (IP 65) OUT DOOR WALL LIGHT
- MIRROR LIGHT (7W LED LIGHT)

- LIGHT SWITCH
- CEILING FAN SWITCH
- CIRCUIT LINE
- SWITCHING LINE

NOTE:

- ALL WIRING TO BE OF STELCO APPROVED STANDARDS
- SWITCH CONTROL = 1200MM FROM FLOOR FIN. LEVEL
- ALL LIGHTING POINTS CONNECTED TO THEIR RESPECTIVE DB
- POLYCARBONATE ENCLOSURE TO ALL SWITCH AND SOCKET WHICH ARE LOCATED AT THE OUTDOORS

NOTE:

- THE DOWNROD OF THE FANS IN THE HALL SHOULD BE NOT LESS THAN 60"

GN. Fuvahmulah School Hall
Client: Ministry of Education

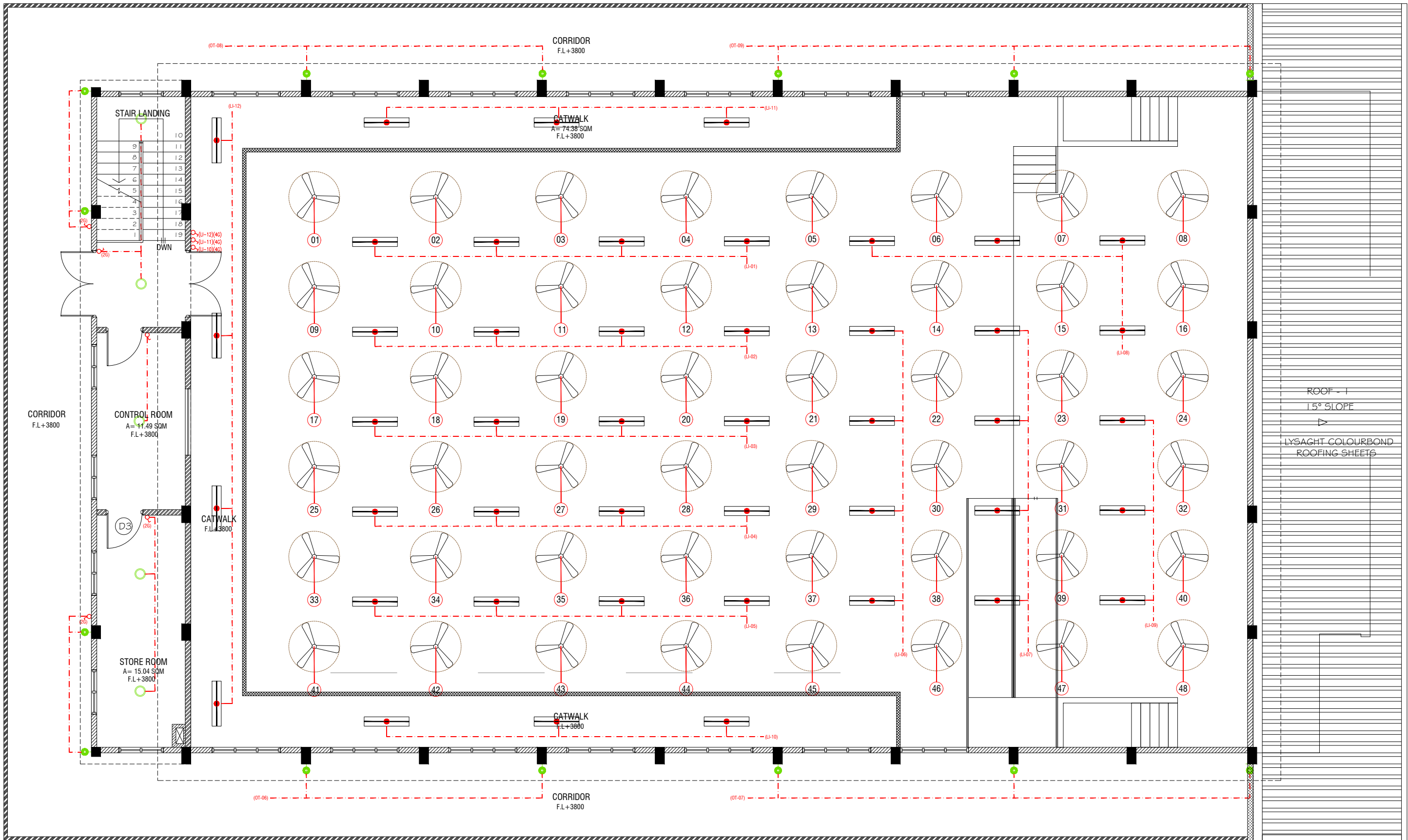
Rev no	Date
01	10/01/2021
02	10/01/2021
03	10/01/2021
04	10/01/2021
05	10/01/2021
06	10/01/2021
07	10/01/2021
08	10/01/2021
09	10/01/2021
10	10/01/2021



RYAN PRIVATE LIMITED
1: +9603315049 F: +9603310776
E: info@ryan.com.mv
W: www.ryan.com.mv
3rd Floor, H. Aalam, Alimareemangal, Male

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

The contents of these drawings remain as a property of Ryan 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 LED CEILING DOWN LIGHT (18W)

CEILING FAN (52" - 54")

WPD 40W (IP 65) OUT DOOR WALL LIGHT

ML MIRROR LIGHT (7W LED LIGHT)

LIGHT SWITCH

CEILING FAN SWITCH

CIRCUIT LINE

SWITCHING LINE

NOTE:

- ALL WIRING TO BE OF STELCO APPROVED STANDARDS
- SWITCH CONTROL = 1200MM FROM FLOOR FIN. LEVEL
- ALL LIGHTING POINTS CONNECTED TO THEIR RESPECTIVE DB
- POLYCARBONATE ENCLOSURE TO ALL SWITCH AND SOCKET WHICH ARE LOCATED AT THE OUTDOORS

NOTE:

- THE DOWNROD OF THE FANS IN THE HALL SHOULD BE NOT LESS THAN 60"

GN. Fuvahmulah School Hall
Client: Ministry of Education

Project Number: R/2020/006
Date: January 2021
Architect: Mariyam Insha Shamsud
Engineer: Mariyam Insha Shamsud
Drawn by: Mariyam Insha Shamsud
Services: Alsharif Ahmed
Interior: -



RYAN PRIVATE LIMITED

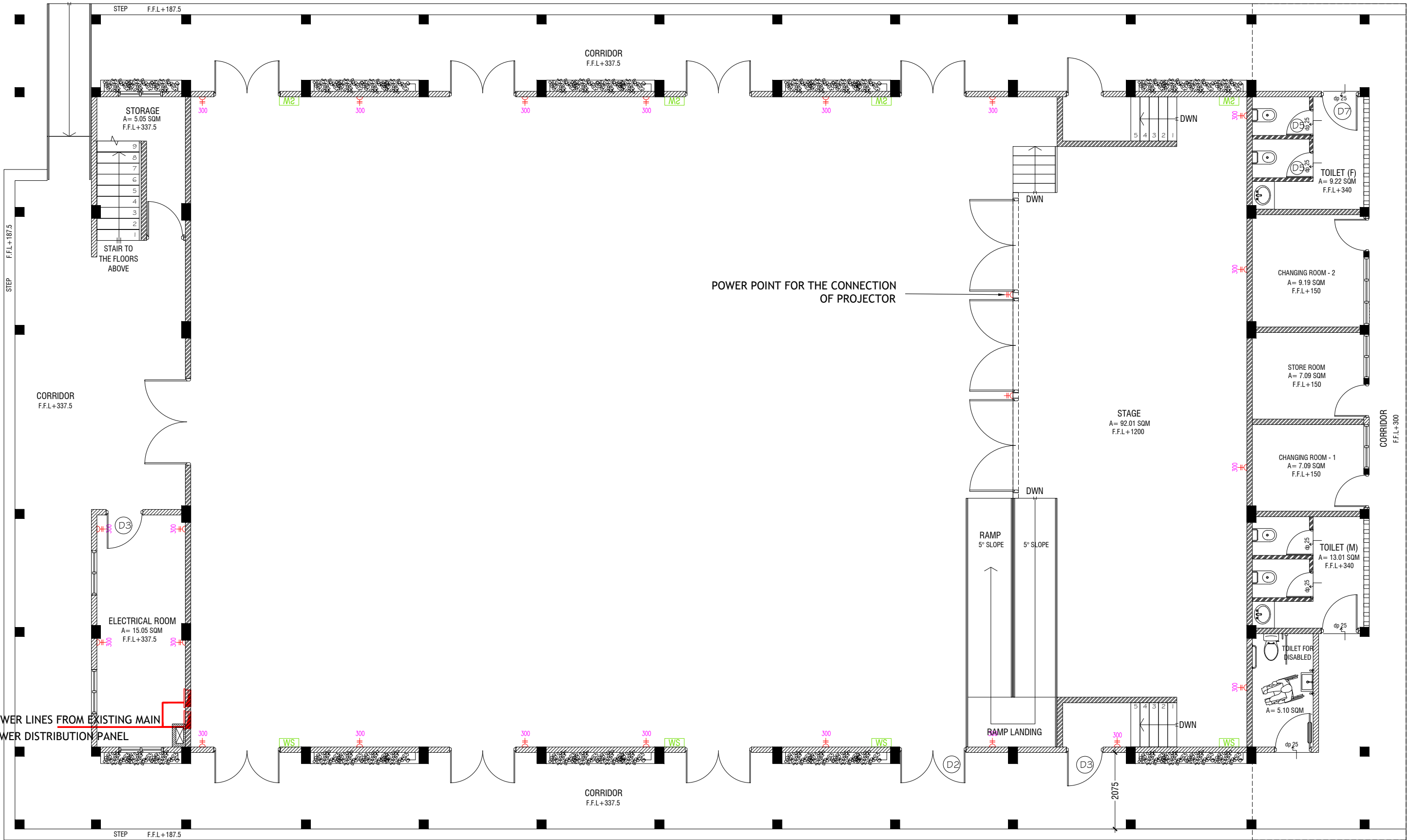
T: +9603315040 F: +96033150776
E: info@ryan.com.mv
W: www.ryan.com.mv

3rd Floor, H. Aqar, Almatheeranga, Malé

Title: 1st Floor
Lighting Layout

Page: EL - 02/02

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



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

NOTE:

- ALL WIRING TO BE OF APPROVED STANDARDS
- POWER/IT/COMPUTER SOCKETS = 300MM - 450MM FROM FLOOR FIN. LEVEL
- SWITCH CONTROL / SOCKET = 1100MM - 1200MM FROM FLOOR FIN. LEVEL
- KITCHEN SOCKETS / PANTRY SOCKETS = 1150MM - 1250MM FROM FLOOR FIN. LEVEL
- AC = 2500MM - 2700MM FROM FLOOR FIN. LEVEL

ALL ELECTRICAL COMPONENT TO BE CONNECTED TO THEIR RESPECTIVE DB

SPEAKERS TO BE CONNECTED TO THE MAIN PA SYSTEM OF THE SCHOOL

GN. Fuvahmulah School Hall
Client: Ministry of Education

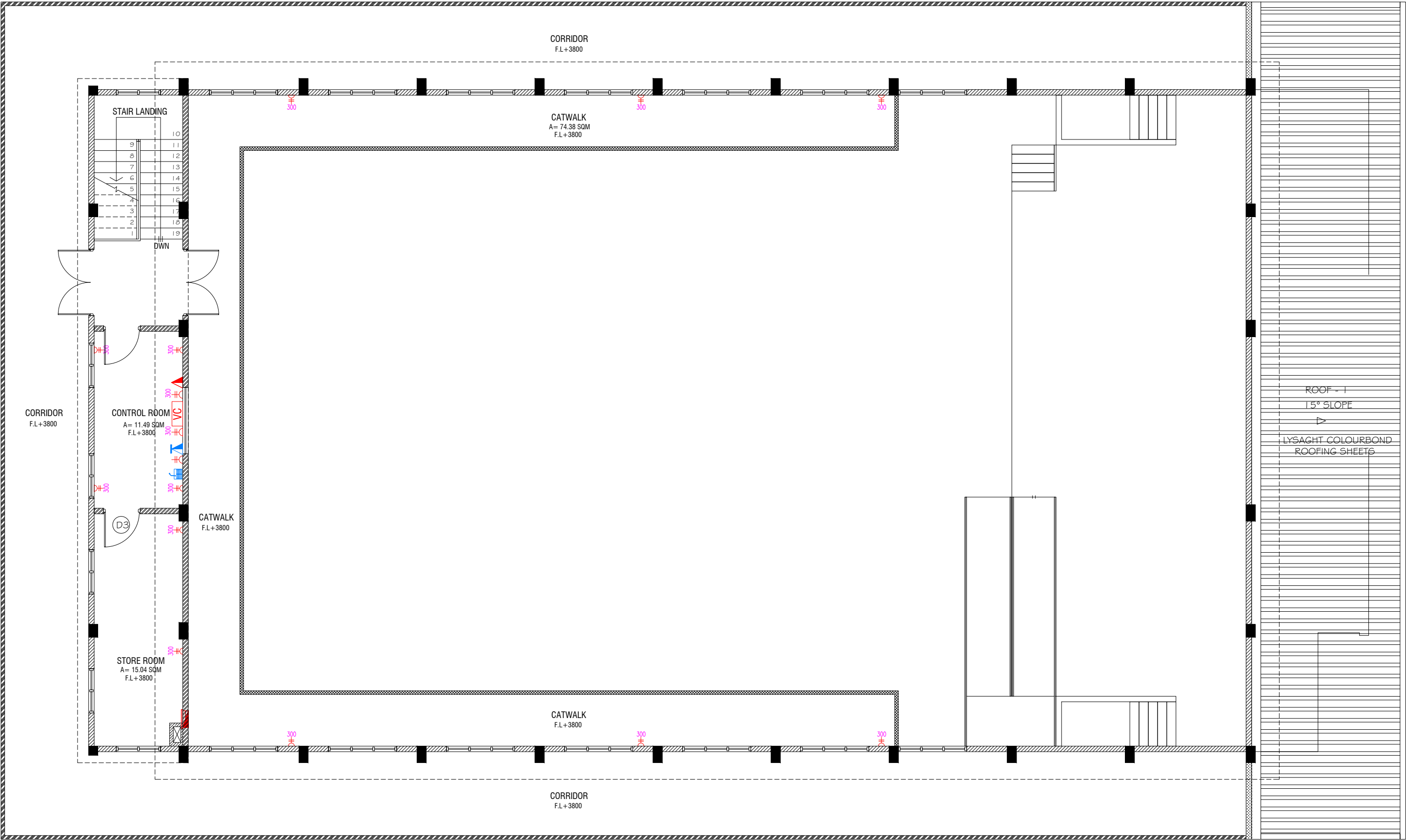
Rev no	Date
1	16/03/2021
2	16/03/2021
3	16/03/2021
4	16/03/2021
5	16/03/2021



RYAN PRIVATE LIMITED
1: +9603315049 F: +9603310776
E: info@ryan.com.mv
W: www.ryan.com.mv
3rd Floor, H. Aqun, Alimareemangay, Malé

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

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



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
- VOLUME CONTROLLER

NOTE:

- ALL WIRING TO BE OF APPROVED STANDARDS
- POWER/IT/COMPUTER SOCKETS = 300MM - 450MM FROM FLOOR FIN. LEVEL
- SWITCH CONTROL / SOCKET = 1100MM - 1200MM FROM FLOOR FIN. LEVEL
- KITCHEN SOCKETS / PANTRY SOCKETS = 1150MM - 1250MM FROM FLOOR FIN. LEVEL
- AC = 2500MM - 2700MM FROM FLOOR FIN. LEVEL

ALL ELECTRICAL COMPONENT TO BE CONNECTED TO THEIR RESPECTIVE DB

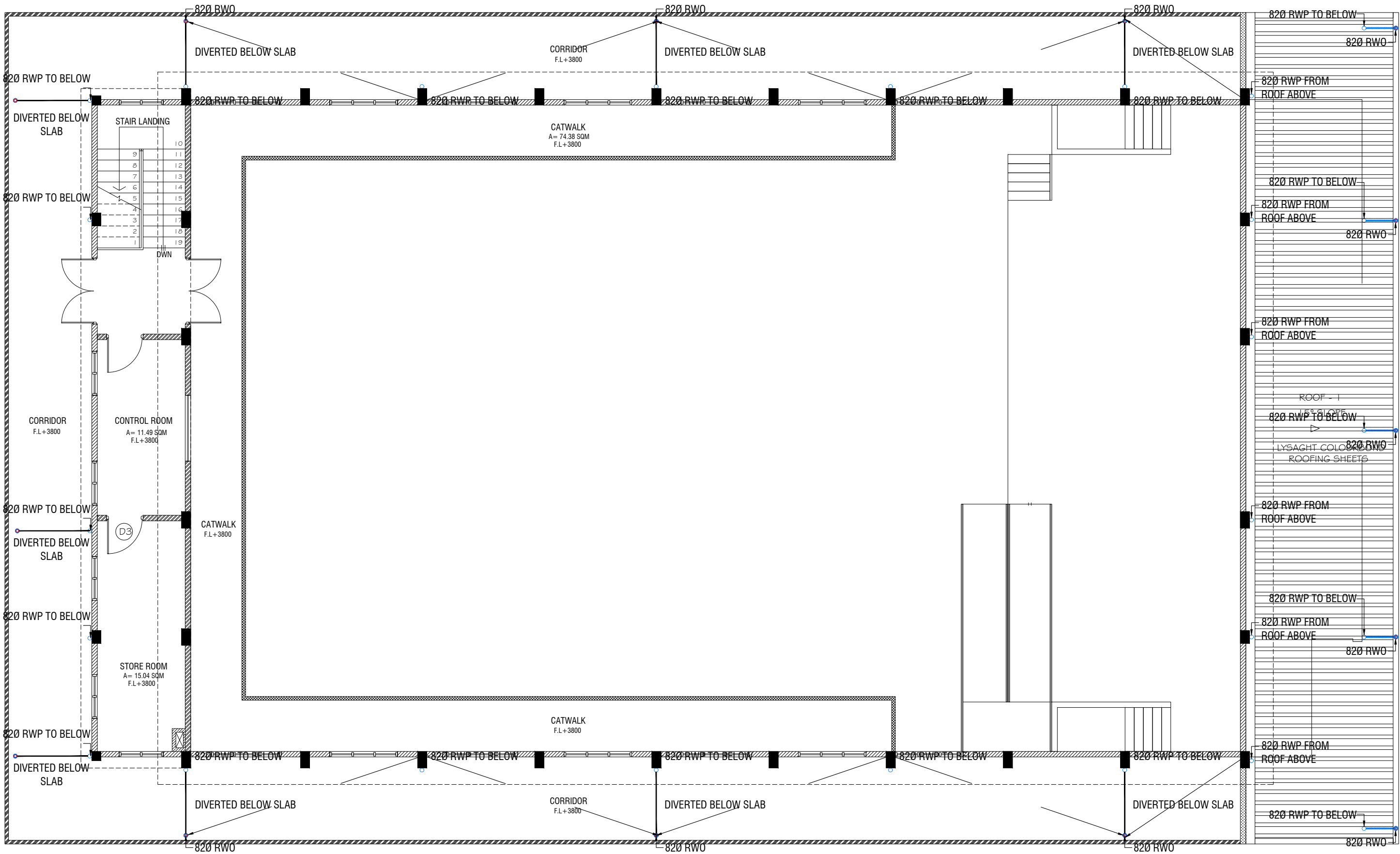
SPEAKERS TO BE CONNECTED TO THE MAIN PA SYSTEM OF THE SCHOOL

GN. Fuvahmulah School Hall
Client: Ministry of Education

Rev no	Date
01	10/02/2020
02	10/02/2020
03	10/02/2020
04	10/02/2020
05	10/02/2020
06	10/02/2020
07	10/02/2020
08	10/02/2020
09	10/02/2020
10	10/02/2020
11	10/02/2020
12	10/02/2020
13	10/02/2020
14	10/02/2020
15	10/02/2020
16	10/02/2020
17	10/02/2020
18	10/02/2020
19	10/02/2020
20	10/02/2020
21	10/02/2020
22	10/02/2020
23	10/02/2020
24	10/02/2020
25	10/02/2020
26	10/02/2020
27	10/02/2020
28	10/02/2020
29	10/02/2020
30	10/02/2020
31	10/02/2020
32	10/02/2020
33	10/02/2020
34	10/02/2020
35	10/02/2020
36	10/02/2020
37	10/02/2020
38	10/02/2020
39	10/02/2020
40	10/02/2020
41	10/02/2020
42	10/02/2020
43	10/02/2020
44	10/02/2020
45	10/02/2020
46	10/02/2020
47	10/02/2020
48	10/02/2020
49	10/02/2020
50	10/02/2020
51	10/02/2020
52	10/02/2020
53	10/02/2020
54	10/02/2020
55	10/02/2020
56	10/02/2020
57	10/02/2020
58	10/02/2020
59	10/02/2020
60	10/02/2020
61	10/02/2020
62	10/02/2020
63	10/02/2020
64	10/02/2020
65	10/02/2020
66	10/02/2020
67	10/02/2020
68	10/02/2020
69	10/02/2020
70	10/02/2020
71	10/02/2020
72	10/02/2020
73	10/02/2020
74	10/02/2020
75	10/02/2020
76	10/02/2020
77	10/02/2020
78	10/02/2020
79	10/02/2020
80	10/02/2020
81	10/02/2020
82	10/02/2020
83	10/02/2020
84	10/02/2020
85	10/02/2020
86	10/02/2020
87	10/02/2020
88	10/02/2020
89	10/02/2020
90	10/02/2020
91	10/02/2020
92	10/02/2020
93	10/02/2020
94	10/02/2020
95	10/02/2020
96	10/02/2020
97	10/02/2020
98	10/02/2020
99	10/02/2020
100	10/02/2020



RYAN PRIVATE LIMITED
1: +9603315040 F: +9603315076
E: info@ryan.com.mv
W: www.ryan.com.mv
3rd Floor, H. Aqun, Alimareemangal, Male'
The contents of these drawings remain as a property of Ryan Private Limited. Any use other than those expressly stated is a violation of this copyright.



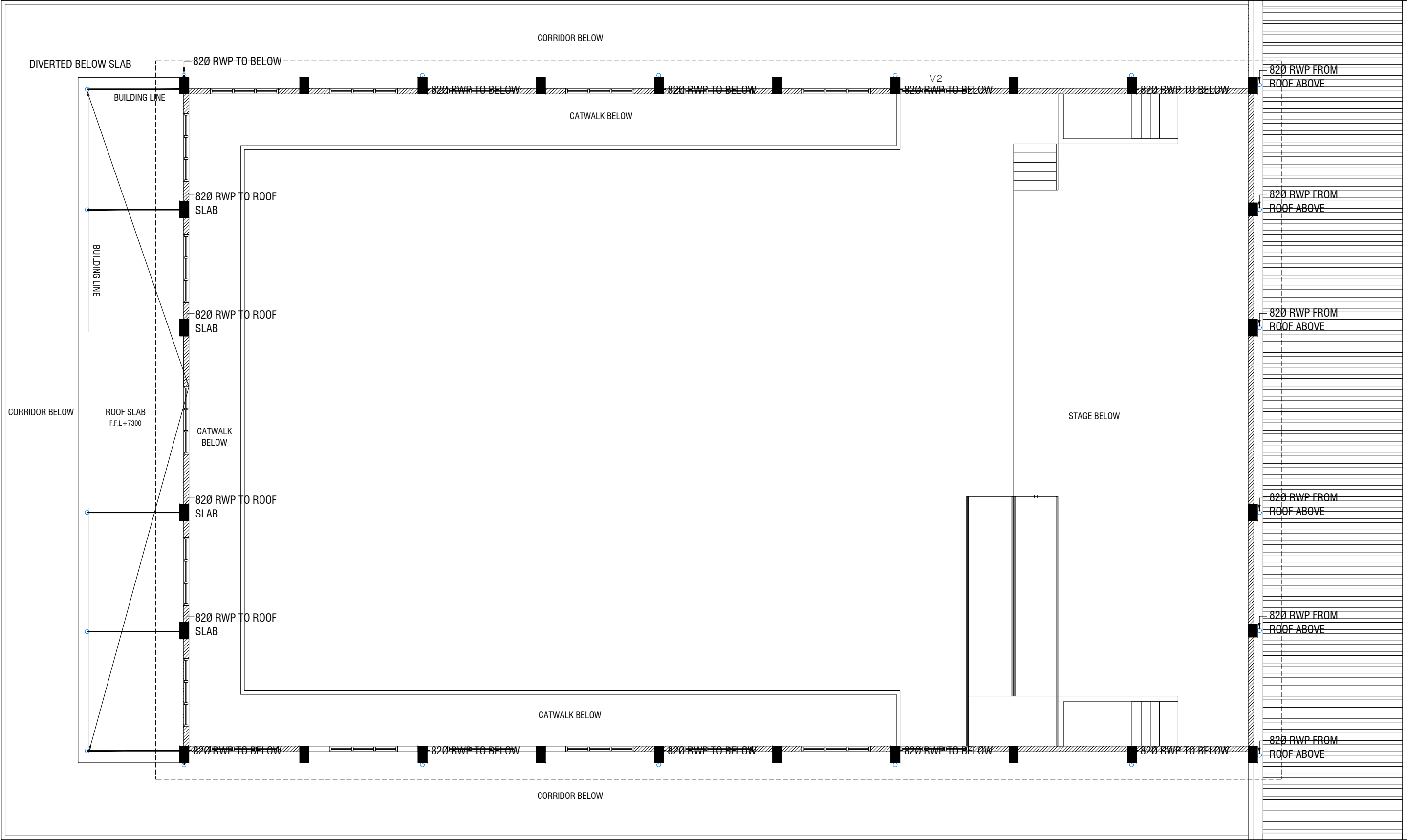
FIRST FLOOR DRAINAGE LAYOUT

SCALE 1:100

0 0.5 1 2 3 4 5

- RWP 82/50 Ø RAINWATER PIPE
- RWO 82/50 Ø DRAIN OUTLET
- CD 25 Ø DRAIN PIPE
- MHVP 50 Ø MANHOLE VENT PIPE

NOTE:
- ALL RAINWATER PIPES TO BE AT GROUND LEVEL
DISCHARGED THROUGH A PERFORATED COWL OR TO A SOAK PIT



ROOF PLAN - 1 DRAINAGE LAYOUT

SCALE 1:100

0 0.5 1 2 3 4 5

- RWP 82/50 Ø RAINWATER PIPE
- RWO 82/50 Ø DRAIN OUTLET
- CD 25 Ø DRAIN PIPE
- MHVP 50 Ø MANHOLE VENT PIPE

NOTE:
- ALL RAINWATER PIPES TO BE AT GROUND LEVEL
DISCHARGED THROUGH A PERFORATED COWL OR TO A SOAK PIT

GN. Fuvahmulah School Hall
Client: Ministry of Education

Rev no	Date
01	10/01/2021
02	10/01/2021
03	10/01/2021
04	10/01/2021
05	10/01/2021

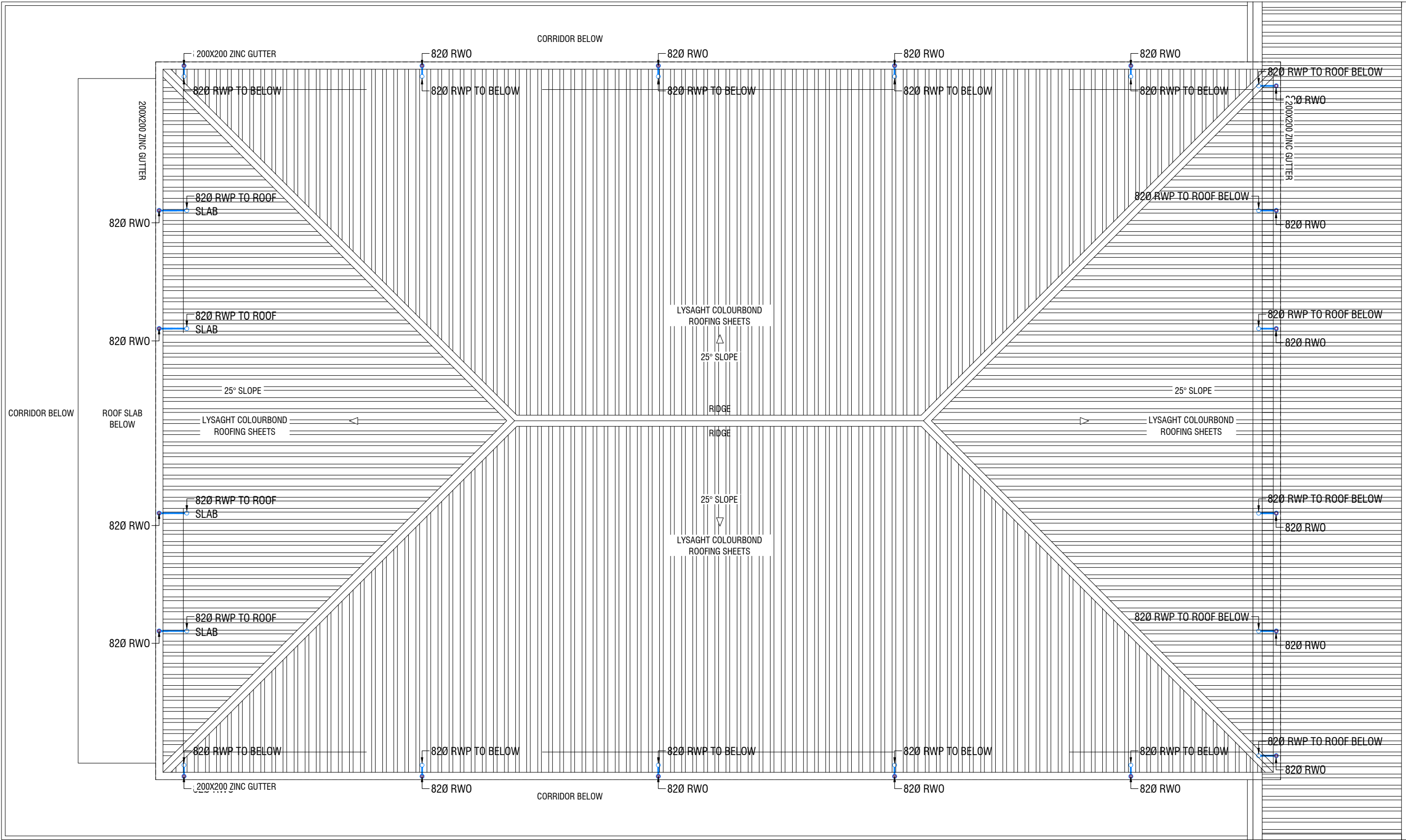
Project Number: R/2020/006
Date: January 2021
Architect: Mariyam Ibrahim Shamsud
Engineer: Mariyam Ibrahim Shamsud
Drawn by: Mariyam Ibrahim Shamsud
Services: Alkhatir Ahmed
Interior: -



RIYAN PRIVATE LIMITED
T: +9603315040 F: +9603315076
E: info@riyan.com.mv
W: www.riyan.com.mv
3rd Floor, H. Aqun, Alkhatir Ahmed, Male'.

Title: Roof Plan - 1
Drainage Layout
Page: DR - 03/04

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

- RWP 82/50 Ø RAINWATER PIPE
- RWO 82/50 Ø DRAIN OUTLET
- CD 25 Ø DRAIN PIPE
- MHVP 50 Ø MANHOLE VENT PIPE

NOTE:
- ALL RAINWATER PIPES TO BE AT GROUND LEVEL
DISCHARGED THROUGH A PERFORATED COWL OR TO A SOAK PIT

GN. Fuvahmulah School Hall
Client: Ministry of Education

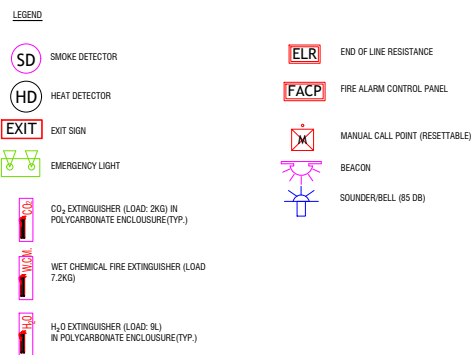
Project Number: 16/2020/006
Date: January 2021
Architect: Maniyam Idris Shaleel
Engineer: Maniyam Idris Shaleel
Drawn by: Maniyam Idris Shaleel
Services: Alsharif Ahmed
Interior: -

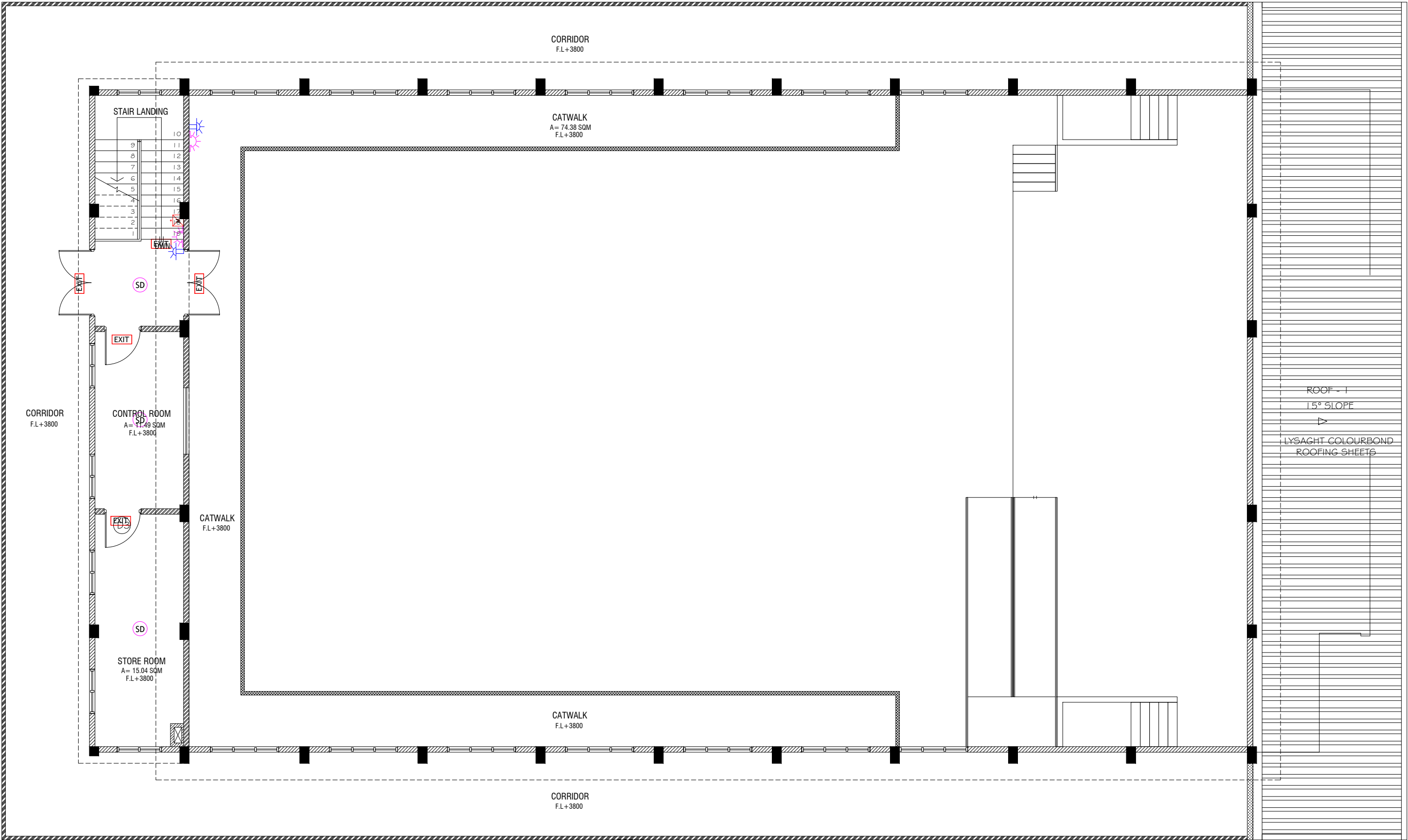


RYAN PRIVATE LIMITED
t: +9603315040 f: +9603315076
e: info@ryan.com.mv
w: www.ryan.com.mv
3rd Floor, H. Aqun, Alimareemangal, Malé

Title: Roof Plan - 2
Drainage Layout
Page: DR - 04/04

The contents of these drawings remain as a property of Ryan 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

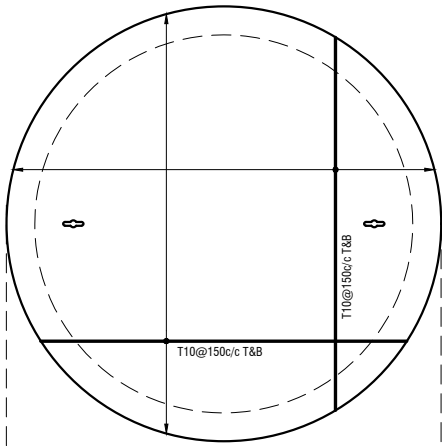
- CO₂ EXTINGUISHER (LOAD: 2KG) IN POLYCARBONATE ENCLOSURE (TYP.)
- WET CHEMICAL FIRE EXTINGUISHER (LOAD: 7.2KG)
- H₂O EXTINGUISHER (LOAD: 9L) IN POLYCARBONATE ENCLOSURE (TYP.)

- ELR END OF LINE RESISTANCE
- FACP FIRE ALARM CONTROL PANEL
- MANUAL CALL POINT (RESETTABLE)
- BEACON
- SOUNDER/BELL (85 DB)

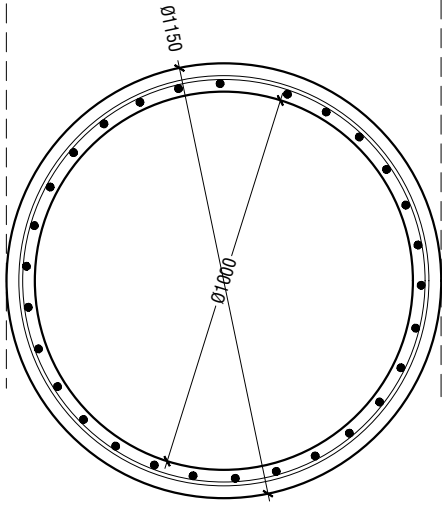
ALL FIRE RATED DOOR SHOULD COME WITH PACKING (EXPANSION SEAL TRAP)

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 100MM.
4. ALL FIRE EXTINGUISHER INSIDE CABINETS. (CABINET SHOULD BE PROVIDED)

WATER TANK WALL TOP & BOTTOM SLAB



WATER TANK WALL REINF.

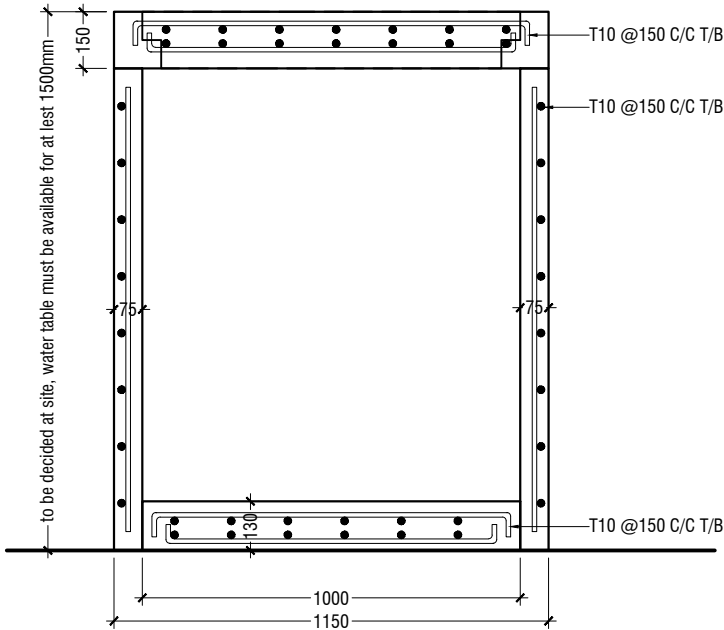


WATER TANK DETAILS

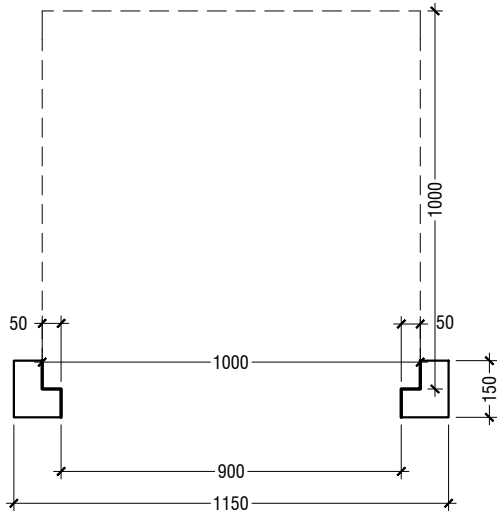
SCALE 1:20



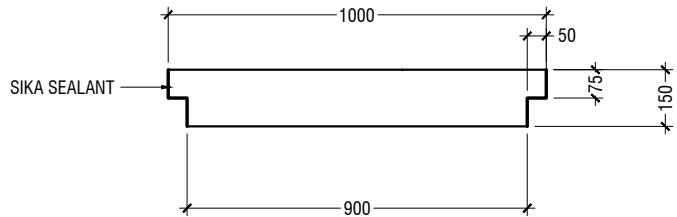
WATER TANK SECTION



ELEVATION

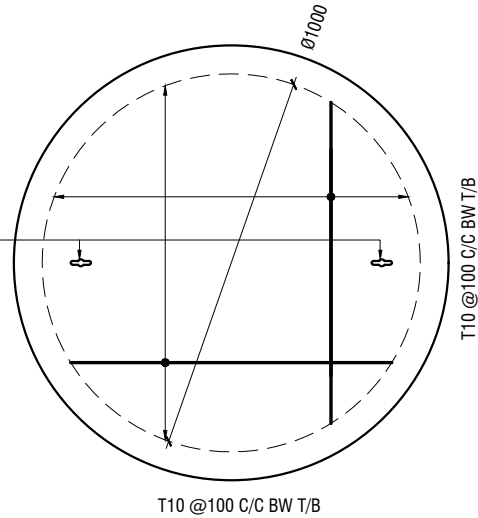


SECTION



KEYHOLES (THE KEYHOLES SHALL BE COVERED FROM A RUBBER SEALER ON TOP OF IT)

PLAN



NOTE:

- ALL CONCRETE WORKS BELOW GROUND AND AT TERRACE LEVEL TO BE TREATED WITH 'SIKA' WATERPROOFING CHEMICAL OR EQUIVALENT
- PROVIDE PROVISION FOR WATER ENTRANCE THROUGH THE BASE

WATER TANK LID DETAILS

SCALE 1:20



GN. Fuvahmulah School Hall
Client: Ministry of Education

Rev no	Date
01	10/01/2021
02	10/01/2021
03	10/01/2021
04	10/01/2021
05	10/01/2021
06	10/01/2021
07	10/01/2021
08	10/01/2021
09	10/01/2021
10	10/01/2021

Project Number: R/2020/006
Date: January 2021
Architect: Maniyam Leeyan Shaleel
Engineer: Maniyam Leeyan Shaleel
Drawn by: Maniyam Leeyan Shaleel
Services: Alhadiy Ahmed
Interior: -



RIYAN PRIVATE LIMITED
T: +9603315040 F: +9603310776
E: info@riyan.com.mv
W: www.riyan.com.mv
3rd Floor, H. Aqun, Almatheerimaga, Malé

Title: Ground Water Well
Detail

Page: D - 01/01

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.