

Proposed 18 Classroom at  
Sn.Hithadhoo Sharafuddin School  
(03 Storey)

***SERVICES DRAWINGS***  
Client: Ministry of Education

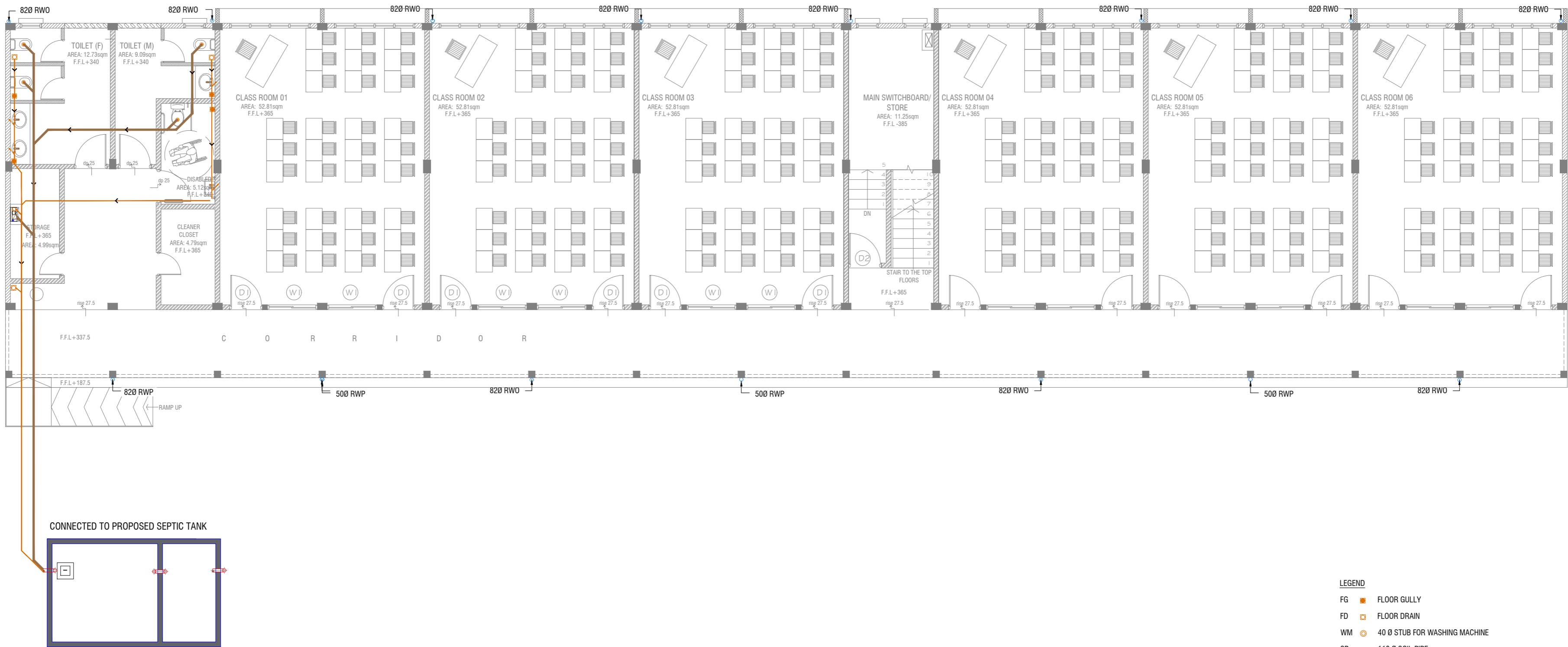


RIYAN PRIVATE LIMITED

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

TABLE OF CONTENTS

DRAWING No.	TITLE	REVISION No.	DATE	REMARKS
S E R V I C E S		---	---	---
DR - 01 /03	GROUND FLOOR DRAINAGE LAYOUT	---	---	---
DR - 02 /03	FIRST - SECOND FLOOR DRAINAGE LAYOUT	---	---	---
DR - 03 /03	ROOF DRAINAGE LAYOUT	---	---	---
PL - 01 / 02	GROUND FLOOR PLUMBING LAYOUT	---	---	---
PL - 02 / 02	FIRST - SECOND FLOOR PLUMBING LAYOUT	---	---	---
EL - 01 / 02	GROUND FLOOR LIGHTING LAYOUT	---	---	---
EL - 02 / 02	FIRST - SECOND FLOOR LIGHTING LAYOUT	---	---	---
EP - 01 / 02	GROUND FLOOR POWER LAYOUT	---	---	---
EP - 02 / 02	FIRST - SECOND FLOOR POWER LAYOUT	---	---	---
FDP - 01 / 02	GROUND FLOOR FDP LAYOUT	---	---	---
FDP - 02 / 02	FIRST - SECOND FLOOR FDP LAYOUT	---	---	---
DETAIL - 01 / 02	SEPTIC TANK DETAIL	---	---	---
DETAIL - 02 / 02	GROUND WATER WELL DETAIL	---	---	---



## GROUND FLOOR DRAINAGE LAYOUT

SCALE 1:100

LEGEND	
FG	FLOOR GULLY
FD	FLOOR DRAIN
WM	40 Ø STUB FOR WASHING MACHINE
SP	110 Ø SOIL PIPE
SVP	110 Ø SOIL VENT PIPE
WP	82 Ø WASTE PIPE
WVP	82 Ø WASTE VENT PIPE
WP	40 Ø WASTE PIPE
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  
- ALL SOIL AND WASTE PIPES TO BE AT GROUND  
LEVEL, UNDER THE SLAB.

Sn.Hithadhoo Sharafuddin School 18 Classroom Block (3 story)

Client: Ministry of Education

Rev no	Date
1	2020/06
2	2020/06
3	2020/06
4	2020/06
5	2020/06

Project Number: RI/2020/006  
Architect: Mariyam Ibrahim Sharief  
Engineer: Mohamed Muthalib Waleed  
Drawn by: Mariyam Laleen Jaleel  
Services: Adhith Alimad  
Interior: -



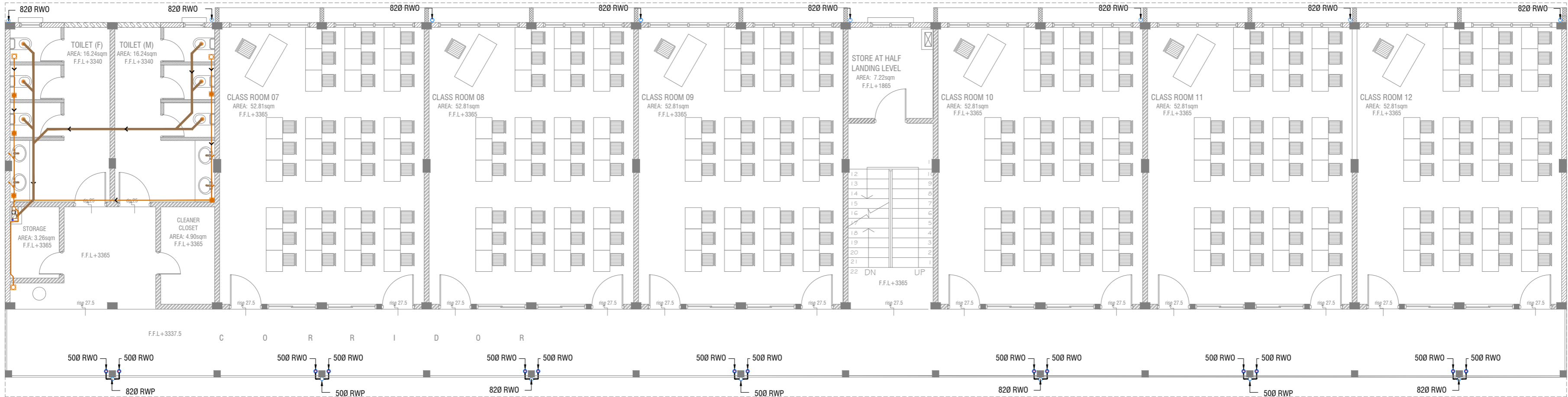
RIYAT PRIVATE LIMITED

T: +9603355049 F: +9603330776  
E: info@riyat.com.mv  
W: www.riyat.com.mv  
3rd Floor, H. Azum, Anememmagu, Malé

Title: Ground Floor  
Drainage Layout

Page: DR 01-03

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



FIRST - SECOND FLOOR DRAINAGE LAYOUT

SCALE 1:100



- LEGEND
- FG FLOOR GULLY
  - FD FLOOR DRAIN
  - WM 40 Ø STUB FOR WASHING MACHINE
  - SP 110 Ø SOIL PIPE
  - SVP 110 Ø SOIL VENT PIPE
  - WP 82 Ø WASTE PIPE
  - WVP 82 Ø WASTE VENT PIPE
  - WP 40 Ø WASTE PIPE
  - 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 SOIL AND WASTE PIPES TO BE UNDER THE SLAB LEVEL.

Sn.Hithadhoo Sharafuddin School 18 Classroom Block (3 story)

Client: Ministry of Education

Rev no	Date
1	10/01/2021
2	10/01/2021
3	10/01/2021
4	10/01/2021
5	10/01/2021

Project Number: RJ/2020/006  
Date: January 2021  
Architect: Hithadhoo Sharafuddin  
Engineer: Mohamed Muthalib Waleed  
Drawn by: Maryam Leevan Jaleel  
Services: Ashath Ahmed  
Interior: -

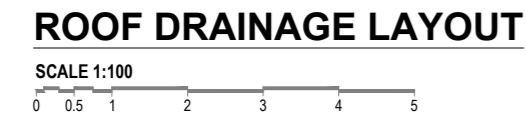














RYAN PRIVATE LIMITED

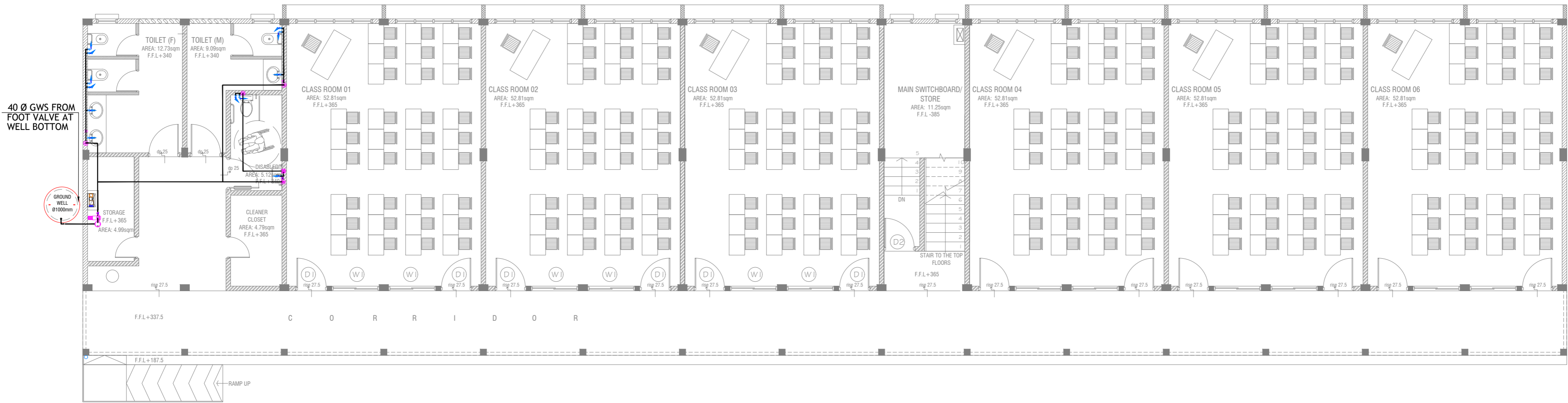
T: +9603375040 F: +9603370776  
E: info@ryan.com.mv  
W: www.ryan.com.mv  
3rd floor, H. Adam, Amereemadga, Male

Title: First - Second Floor  
Drainage Layout  
Page: DR 02-03

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.

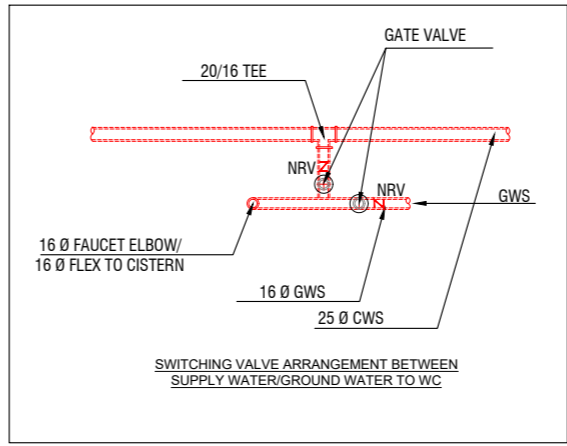


LEGEND	
FG	 FLOOR GULLY
FD	 FLOOR DRAIN
WM	 40 Ø STUB FOR WASHING MACHINE
SP	 110 Ø SOIL PIPE
SVP	 110 Ø SOIL VENT PIPE
WP	 82 Ø WASTE PIPE
WWP	 82 Ø WASTE VENT PIPE
WP	 40 Ø WASTE PIPE
RWP	 82/50 Ø RAINWATER PIPE
RWO	 82/50 Ø DRAIN OUTLET
CD	 25 Ø DRAIN PIPE
MHVP	 50 Ø MANHOLE VENT PIPE



## GROUND FLOOR PLUMBING LAYOUT

SCALE 1:100



### LEGEND

- 16 Ø COLD WATER SUPPLY TO CISTERN
- 16 Ø COLD WATER SUPPLY TO BIDET SHOWER
- 16 Ø COLD WATER SUPPLY TO BASIN FAUCET / SINK
- GV GATE VALVE
- 25 Ø COLD WATER SUPPLY PIPES RUN UNDERGROUND
- 25 Ø COLD WATER SUPPLY PIPES RUN IN WALL / UNDER FALSE CEILING
- RISE IN WALL
- DROP IN WALL
- CWS COLD WATER SUPPLY
- HWS HOT WATER SUPPLY
- GROUND WATER SUPPLY

**NOTE:**  
- THE WELL SHALL BE RELOCATED ACCORDING TO THE SALINITY OF THE GROUND WATER.  
- BASED ON WELL LOCATION PUMP CAPACITY TO BE DECIDED

Sn.Hithadhoo Sharafuddin School 18 Classroom Block (3 story)

Client: Ministry of Education

Rev no	Date
1	2023/01/06
2	2023/01/06
3	2023/01/06
4	2023/01/06
5	2023/01/06
6	2023/01/06
7	2023/01/06
8	2023/01/06
9	2023/01/06
10	2023/01/06
11	2023/01/06
12	2023/01/06
13	2023/01/06
14	2023/01/06
15	2023/01/06
16	2023/01/06
17	2023/01/06
18	2023/01/06
19	2023/01/06
20	2023/01/06
21	2023/01/06
22	2023/01/06
23	2023/01/06
24	2023/01/06
25	2023/01/06
26	2023/01/06
27	2023/01/06
28	2023/01/06
29	2023/01/06
30	2023/01/06
31	2023/01/06
32	2023/01/06
33	2023/01/06
34	2023/01/06
35	2023/01/06
36	2023/01/06
37	2023/01/06
38	2023/01/06
39	2023/01/06
40	2023/01/06
41	2023/01/06
42	2023/01/06
43	2023/01/06
44	2023/01/06
45	2023/01/06
46	2023/01/06
47	2023/01/06
48	2023/01/06
49	2023/01/06
50	2023/01/06
51	2023/01/06
52	2023/01/06
53	2023/01/06
54	2023/01/06
55	2023/01/06
56	2023/01/06
57	2023/01/06
58	2023/01/06
59	2023/01/06
60	2023/01/06
61	2023/01/06
62	2023/01/06
63	2023/01/06
64	2023/01/06
65	2023/01/06
66	2023/01/06
67	2023/01/06
68	2023/01/06
69	2023/01/06
70	2023/01/06
71	2023/01/06
72	2023/01/06
73	2023/01/06
74	2023/01/06
75	2023/01/06
76	2023/01/06
77	2023/01/06
78	2023/01/06
79	2023/01/06
80	2023/01/06
81	2023/01/06
82	2023/01/06
83	2023/01/06
84	2023/01/06
85	2023/01/06
86	2023/01/06
87	2023/01/06
88	2023/01/06
89	2023/01/06
90	2023/01/06
91	2023/01/06
92	2023/01/06
93	2023/01/06
94	2023/01/06
95	2023/01/06
96	2023/01/06
97	2023/01/06
98	2023/01/06
99	2023/01/06
100	2023/01/06

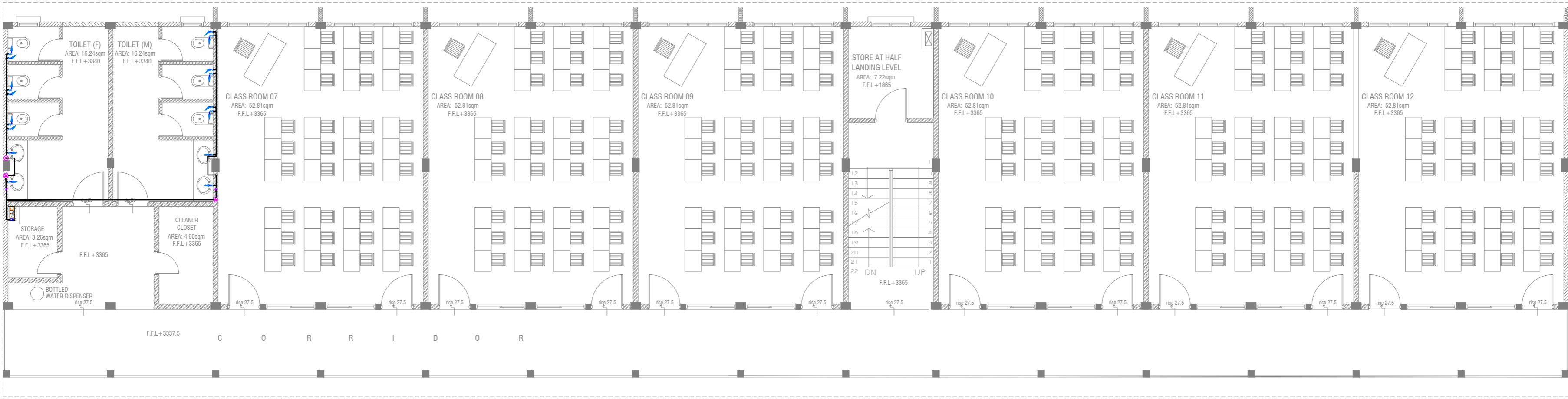


RIYAN PRIVATE LIMITED

t: +960335049 f: +960330776  
e: info@riyan.com.mv  
w: www.riyan.com.mv  
3rd floor, H. Azam, Ammeenmogu, Malé

Title: Ground Floor Plumbing Layout  
Page: PL 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 - SECOND FLOOR PLUMBING LAYOUT

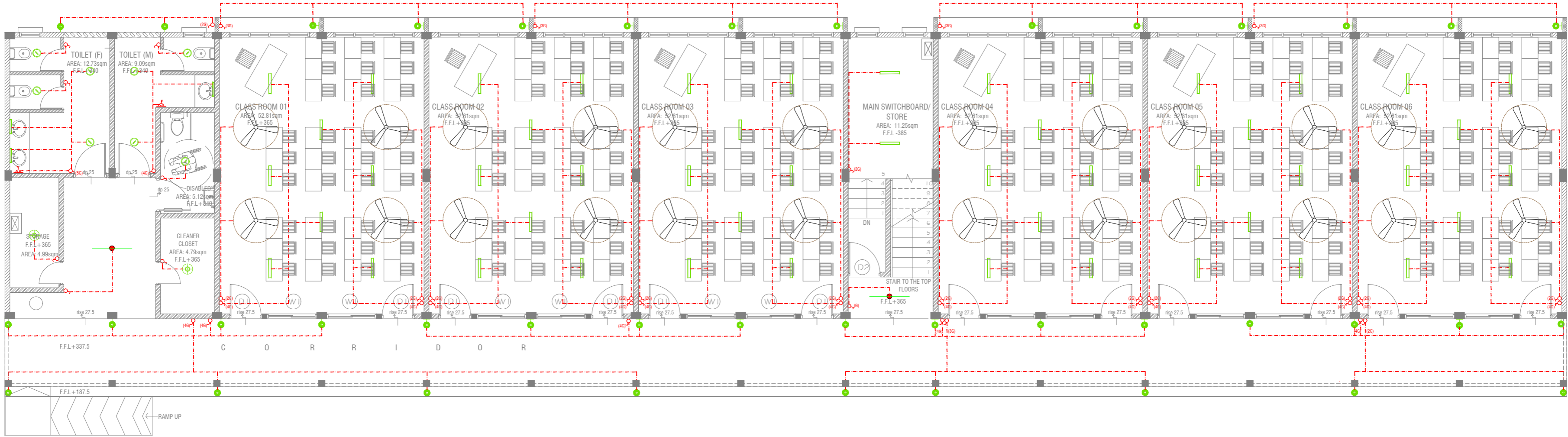


- LEGEND**
- 16 Ø COLD WATER SUPPLY TO CISTERN
  - 16 Ø COLD WATER SUPPLY TO BIDET SHOWER
  - 16 Ø COLD WATER SUPPLY TO BASIN FAUCET / SINK
  - GV GATE VALVE
  - 25 Ø COLD WATER SUPPLY PIPES RUN UNDERGROUND
  - 25 Ø COLD WATER SUPPLY PIPES RUN IN WALL / UNDER FALSE CEILING
  - RISE IN WALL
  - DROP IN WALL
  - CWS COLD WATER SUPPLY
  - HWS HOT WATER SUPPLY
  - GROUND WATER SUPPLY

Sn.Hithadhoo Sharafuddin School '18 Classroom Block (3 story)

Client: Ministry of Education

Rev no	Date
1	2020/01/20
2	2020/01/20
3	2020/01/20
4	2020/01/20
5	2020/01/20
6	2020/01/20
7	2020/01/20
8	2020/01/20
9	2020/01/20
10	2020/01/20
11	2020/01/20
12	2020/01/20
13	2020/01/20
14	2020/01/20
15	2020/01/20
16	2020/01/20
17	2020/01/20
18	2020/01/20
19	2020/01/20
20	2020/01/20
21	2020/01/20
22	2020/01/20
23	2020/01/20
24	2020/01/20
25	2020/01/20
26	2020/01/20
27	2020/01/20
28	2020/01/20
29	2020/01/20
30	2020/01/20
31	2020/01/20
32	2020/01/20
33	2020/01/20
34	2020/01/20
35	2020/01/20
36	2020/01/20
37	2020/01/20
38	2020/01/20
39	2020/01/20
40	2020/01/20
41	2020/01/20
42	2020/01/20
43	2020/01/20
44	2020/01/20
45	2020/01/20
46	2020/01/20
47	2020/01/20
48	2020/01/20
49	2020/01/20
50	2020/01/20
51	2020/01/20
52	2020/01/20
53	2020/01/20
54	2020/01/20
55	2020/01/20
56	2020/01/20
57	2020/01/20
58	2020/01/20
59	2020/01/20
60	2020/01/20
61	2020/01/20
62	2020/01/20
63	2020/01/20
64	2020/01/20
65	2020/01/20
66	2020/01/20
67	2020/01/20
68	2020/01/20
69	2020/01/20
70	2020/01/20
71	2020/01/20
72	2020/01/20
73	2020/01/20
74	2020/01/20
75	2020/01/20
76	2020/01/20
77	2020/01/20
78	2020/01/20
79	2020/01/20
80	2020/01/20
81	2020/01/20
82	2020/01/20
83	2020/01/20
84	2020/01/20
85	2020/01/20
86	2020/01/20
87	2020/01/20
88	2020/01/20
89	2020/01/20
90	2020/01/20
91	2020/01/20
92	2020/01/20
93	2020/01/20
94	2020/01/20
95	2020/01/20
96	2020/01/20
97	2020/01/20
98	2020/01/20
99	2020/01/20
100	2020/01/20



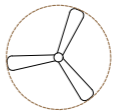
GROUND FLOOR LIGHTING LAYOUT



LEGEND

- WPD 40W (IP 65) OUT DOOR WALL LIGHT
- ML MIRROR LIGHT (7W LED LIGHT)
- H2 LED RECESSED DOWN LIGHT 12W
- CL LED CEILING LIGHT 18W
- WP LED TUBE LIGHT WITH WEATHER PROOF OPAL CASING
- C2 LED CEILING DOWN LIGHT (18W)
- LIGHT SWITCH
- SWITCHING LINE
- EXHAUST

CL2 LED TUBE LIGHT WITH OPAL CASING



CEILING FAN (52" - 54")

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

Sn.Hithadhoo Sharafuddin School 18 Classroom Block (3 story)

Client: Ministry of Education

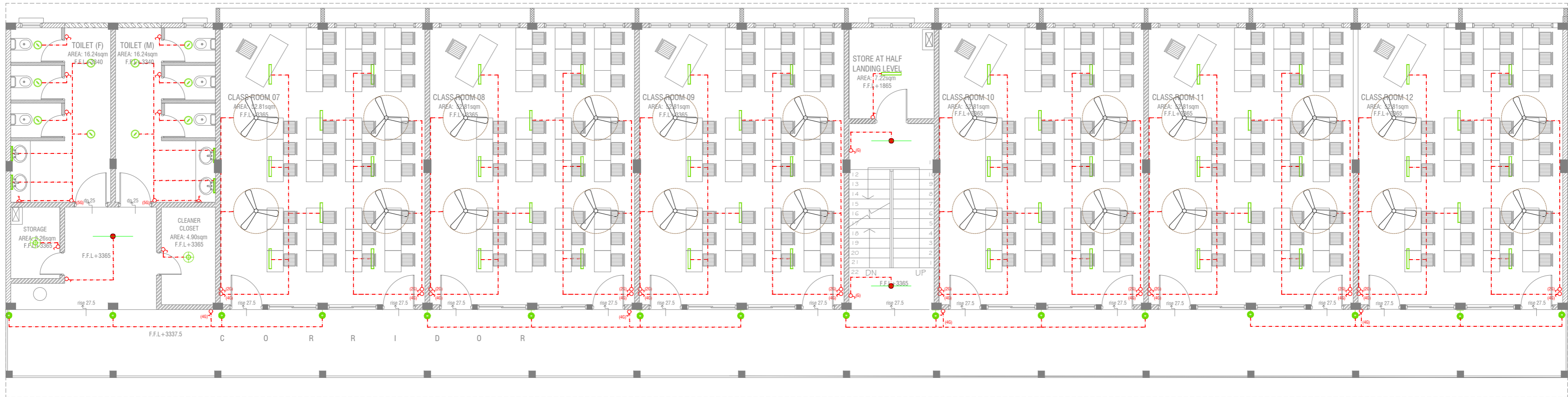
Rev no	Date
01	2020/06/06
02	2021/01/01
03	2021/01/01
04	2021/01/01
05	2021/01/01
06	2021/01/01
07	2021/01/01
08	2021/01/01
09	2021/01/01
10	2021/01/01
11	2021/01/01
12	2021/01/01
13	2021/01/01
14	2021/01/01
15	2021/01/01
16	2021/01/01
17	2021/01/01
18	2021/01/01
19	2021/01/01
20	2021/01/01
21	2021/01/01
22	2021/01/01
23	2021/01/01
24	2021/01/01
25	2021/01/01
26	2021/01/01
27	2021/01/01
28	2021/01/01
29	2021/01/01
30	2021/01/01
31	2021/01/01
32	2021/01/01
33	2021/01/01
34	2021/01/01
35	2021/01/01
36	2021/01/01
37	2021/01/01
38	2021/01/01
39	2021/01/01
40	2021/01/01
41	2021/01/01
42	2021/01/01
43	2021/01/01
44	2021/01/01
45	2021/01/01
46	2021/01/01
47	2021/01/01
48	2021/01/01
49	2021/01/01
50	2021/01/01
51	2021/01/01
52	2021/01/01
53	2021/01/01
54	2021/01/01
55	2021/01/01
56	2021/01/01
57	2021/01/01
58	2021/01/01
59	2021/01/01
60	2021/01/01
61	2021/01/01
62	2021/01/01
63	2021/01/01
64	2021/01/01
65	2021/01/01
66	2021/01/01
67	2021/01/01
68	2021/01/01
69	2021/01/01
70	2021/01/01
71	2021/01/01
72	2021/01/01
73	2021/01/01
74	2021/01/01
75	2021/01/01
76	2021/01/01
77	2021/01/01
78	2021/01/01
79	2021/01/01
80	2021/01/01
81	2021/01/01
82	2021/01/01
83	2021/01/01
84	2021/01/01
85	2021/01/01
86	2021/01/01
87	2021/01/01
88	2021/01/01
89	2021/01/01
90	2021/01/01
91	2021/01/01
92	2021/01/01
93	2021/01/01
94	2021/01/01
95	2021/01/01
96	2021/01/01
97	2021/01/01
98	2021/01/01
99	2021/01/01
100	2021/01/01



RIYAN PRIVATE LIMITED  
t: +9603350489 f: +9603350776  
e: info@riyan.com.mv  
w: www.riyan.com.mv  
3rd floor, H. Adams, Ammanmorgu, 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 - SECOND FLOOR LIGHTING LAYOUT

SCALE 1:100

0 0.5 1 2 3 4 5

### LEGEND

- WPD 40W (IP 65) OUT DOOR WALL LIGHT
- ML MIRROR LIGHT (7W LED LIGHT)
- H2 LED RECESSED DOWN LIGHT 12W
- CL LED CEILING LIGHT 18W
- WP LED TUBE LIGHT WITH WEATHER PROOF OPAL CASING
- C2 LED CEILING DOWN LIGHT (18W)
- LIGHT SWITCH
- SWITCHING LINE
- EXHAUST

CL2 LED TUBE LIGHT WITH OPAL CASING



CEILING FAN (52" - 54")

### 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

Sn.Hithadhoo Sharafuddin School 18 Classroom Block (3 story)  
Client: Ministry of Education

Rev no	Date
1	
2	
3	
4	
5	

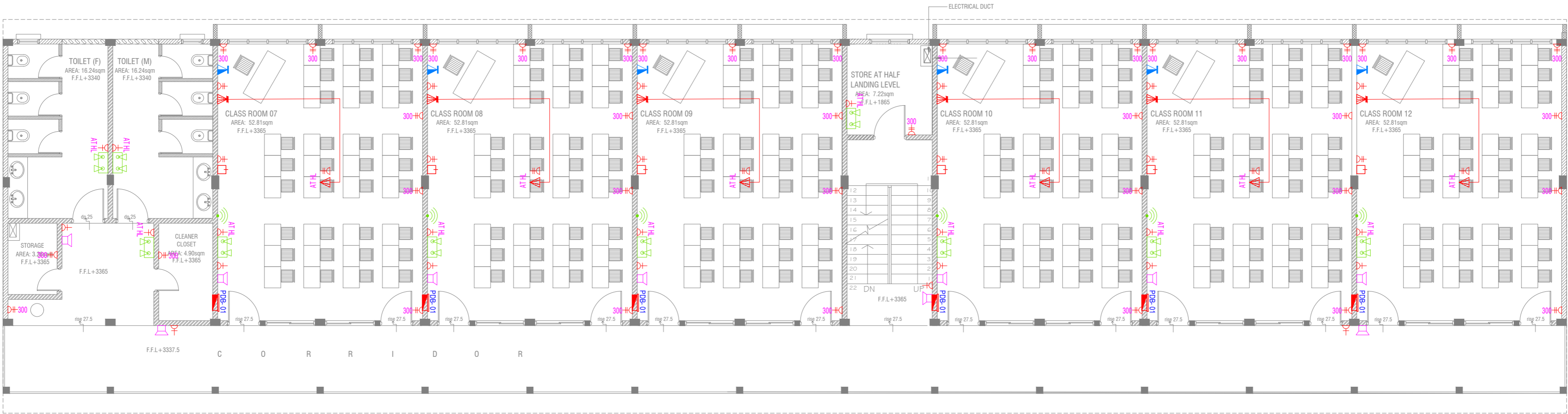


RIYAN PRIVATE LIMITED  
T: +960335049 F: +960335076  
E: info@riyan.com.mv  
W: www.riyan.com.mv  
3rd Floor, H. Azam, Ameeremmagu, Male'

Title: First - Second 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.





FIRST - SECOND FLOOR POWER LAYOUT



- 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

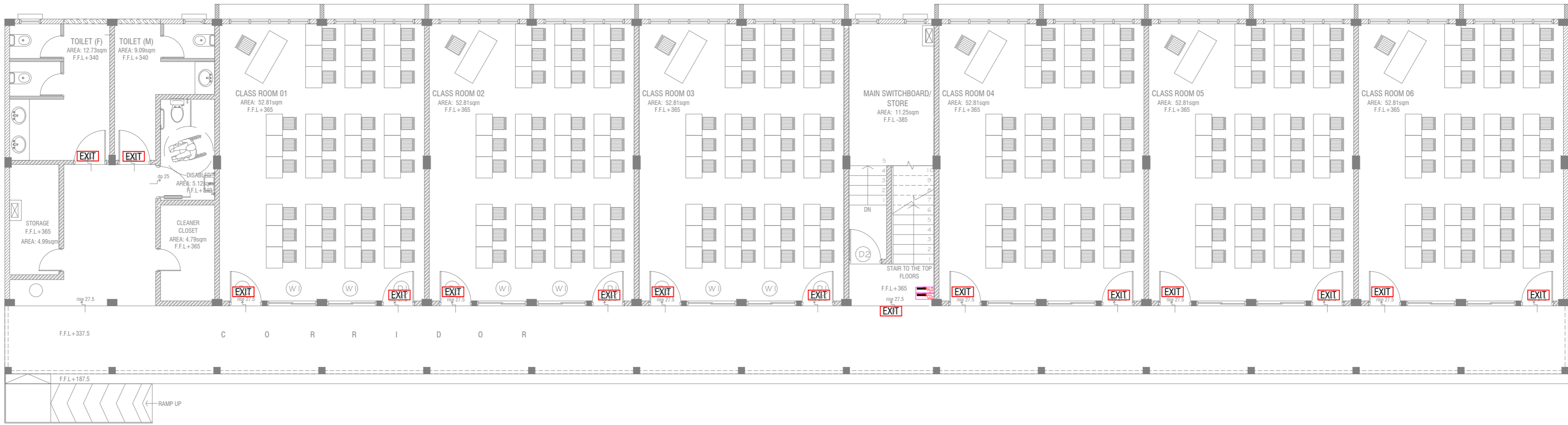
- LEGEND
- TELEPHONE OUTLET (RJ11, CONNECTOR)
  - 13A POWER OUTLET
  - 13A TWIN SOCKET OUTLET
  - HDMI, VGA & RAC AV SOCKET
  - DISTRIBUTION BOX
  - SPEAKERS
  - HDMI, VGA & RAC AV TWIN SOCKET
  - TWIN COMPUTER NETWORK OUTLET
  - DATA POINT

- PAGING MIC
  - VOLUME CONTROLLER
  - EMERGENCY LIGHT
- ALL ELECTRICAL COMPONENT TO BE CONNECTED TO THEIR RESPECTIVE DB
- SPEAKERS TO BE CONNECTED TO THE MAIN PA SYSTEM OF THE SCHOOL

Sn.Hithadhoo Sharafuddin School 18 Classroom Block (3 story)  
Client: Ministry of Education

Rev no	Date
--	-----
--	-----
--	-----

Project Number: R/2020/006  
Date: January 2021  
Checked by: Hithadhoo Sharafuddin  
Engineer: Mohamed Muthalib Waleed  
Drawn by: Mariyam Leevan Jaleel  
Services: Ashraf Ahmed  
Interior: --



# GROUND FLOOR FDP LAYOUT

SCALE 1:100



## LEGEND

- EXIT SIGN
- CO<sub>2</sub> EXTINGUISHER (LOAD: 2KG) IN POLYCARBONATE ENCLOSURE(TYP.)
- H<sub>2</sub>O EXTINGUISHER (LOAD: 9L) IN POLYCARBONATE ENCLOSURE(TYP.)

ALL FIRE CABLES AND CONDUITS SHOULD BE FIRE RETARDANT LOW SMOKE (FRLS) TYPE.

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

-IF THE INSTALLATION OF CEILING IS CARRIED OUT LOWER THAN BEAM BOTTOM ,SMOKE DETECTORS SHOULD BE PLACED AS INDICATED ON THE DRAWING.  
-ALTERNATIVELY IF THE INSTALLATION OF CEILING IS CARRIED OUT EQUAL TO BEAM BOTTOM OR IF THE CEILING IS NOT INSTALLED , SMOKE DETECTORS ARE TO BE PLACED IN BETWEEN EACH BEAM

Sr.Hithadhoo Sharafuddin School 18 Classroom Block (3 story)

Client: Ministry of Education

Rev no	Date
1	2020/01/06
2	2020/01/06
3	2020/01/06
4	2020/01/06
5	2020/01/06
6	2020/01/06
7	2020/01/06
8	2020/01/06
9	2020/01/06
10	2020/01/06
11	2020/01/06
12	2020/01/06
13	2020/01/06
14	2020/01/06
15	2020/01/06
16	2020/01/06
17	2020/01/06
18	2020/01/06
19	2020/01/06
20	2020/01/06
21	2020/01/06
22	2020/01/06
23	2020/01/06
24	2020/01/06
25	2020/01/06
26	2020/01/06
27	2020/01/06
28	2020/01/06
29	2020/01/06
30	2020/01/06
31	2020/01/06
32	2020/01/06
33	2020/01/06
34	2020/01/06
35	2020/01/06
36	2020/01/06
37	2020/01/06
38	2020/01/06
39	2020/01/06
40	2020/01/06
41	2020/01/06
42	2020/01/06
43	2020/01/06
44	2020/01/06
45	2020/01/06
46	2020/01/06
47	2020/01/06
48	2020/01/06
49	2020/01/06
50	2020/01/06
51	2020/01/06
52	2020/01/06
53	2020/01/06
54	2020/01/06
55	2020/01/06
56	2020/01/06
57	2020/01/06
58	2020/01/06
59	2020/01/06
60	2020/01/06
61	2020/01/06
62	2020/01/06
63	2020/01/06
64	2020/01/06
65	2020/01/06
66	2020/01/06
67	2020/01/06
68	2020/01/06
69	2020/01/06
70	2020/01/06
71	2020/01/06
72	2020/01/06
73	2020/01/06
74	2020/01/06
75	2020/01/06
76	2020/01/06
77	2020/01/06
78	2020/01/06
79	2020/01/06
80	2020/01/06
81	2020/01/06
82	2020/01/06
83	2020/01/06
84	2020/01/06
85	2020/01/06
86	2020/01/06
87	2020/01/06
88	2020/01/06
89	2020/01/06
90	2020/01/06
91	2020/01/06
92	2020/01/06
93	2020/01/06
94	2020/01/06
95	2020/01/06
96	2020/01/06
97	2020/01/06
98	2020/01/06
99	2020/01/06
100	2020/01/06



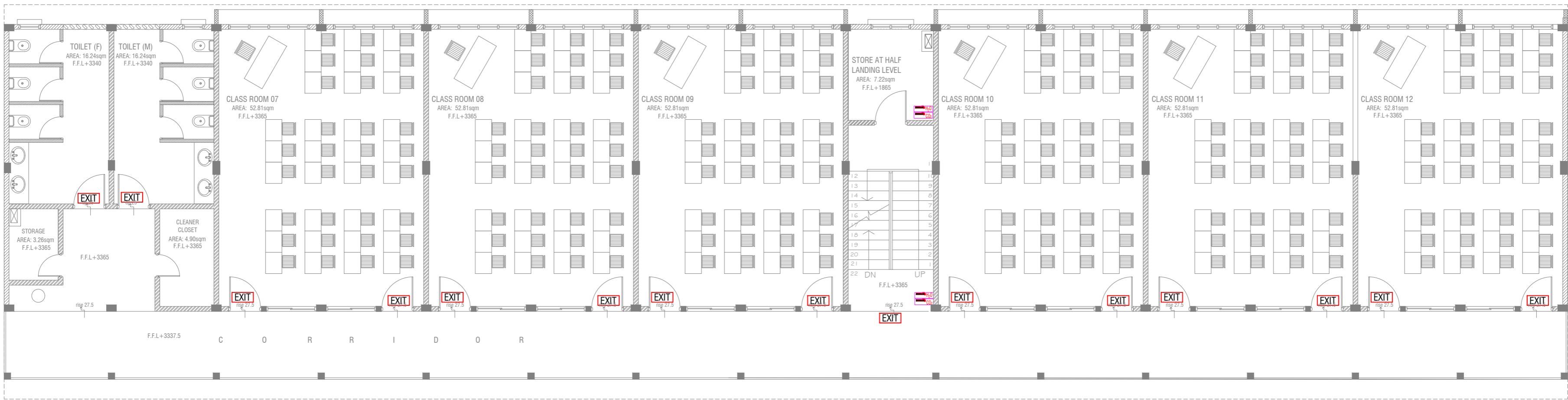
RIYAN PRIVATE LIMITED

T: +9603315040 F: +9603310776  
E: info@riyan.com.mv  
W: www.riyan.com.mv  
3rd Floor - H. Azam, Aradheemugdu, Male

Title: Ground Floor  
FDP Layout

Page: FDP 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 - SECOND FLOOR FDP LAYOUT

SCALE 1:100

0 0.5 1 2 3 4 5

### LEGEND

EXIT

EXIT SIGN

CO<sub>2</sub>

EXTINGUISHER (LOAD: 2KG) IN POLYCARBONATE ENCLOSURE(TYP.)

H<sub>2</sub>O

EXTINGUISHER (LOAD: 9L) IN POLYCARBONATE ENCLOSURE(TYP.)

ALL FIRE CABLES AND CONDUITS SHOULD BE FIRE RETARDANT LOW SMOKE (FRLS) TYPE.

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)

-IF THE INSTALLATION OF CEILING IS CARRIED OUT LOWER THAN BEAM BOTTOM ,SMOKE DETECTORS SHOULD BE PLACED AS INDICATED ON THE DRAWING.  
-ALTERNATIVELY IF THE INSTALLATION OF CEILING IS CARRIED OUT EQUAL TO BEAM BOTTOM OR IF THE CEILING IS NOT INSTALLED , SMOKE DETECTORS ARE TO BE PLACED IN BETWEEN EACH BEAM

Sn.Hithadhoo Sharafuddin School 18 Classroom Block (3 story)  
Client: Ministry of Education

Project Number: R/2020/006  
Architect: Rishabh Shrivastava  
Engineer: Mohamed Muthalib Waleed  
Drawn by: Maryam Leevan Jaleel  
Interior: .....

Rev no	Date
..	..
..	..
..	..



RYAN PRIVATE LIMITED

t: +9633310549 f: +9633310776

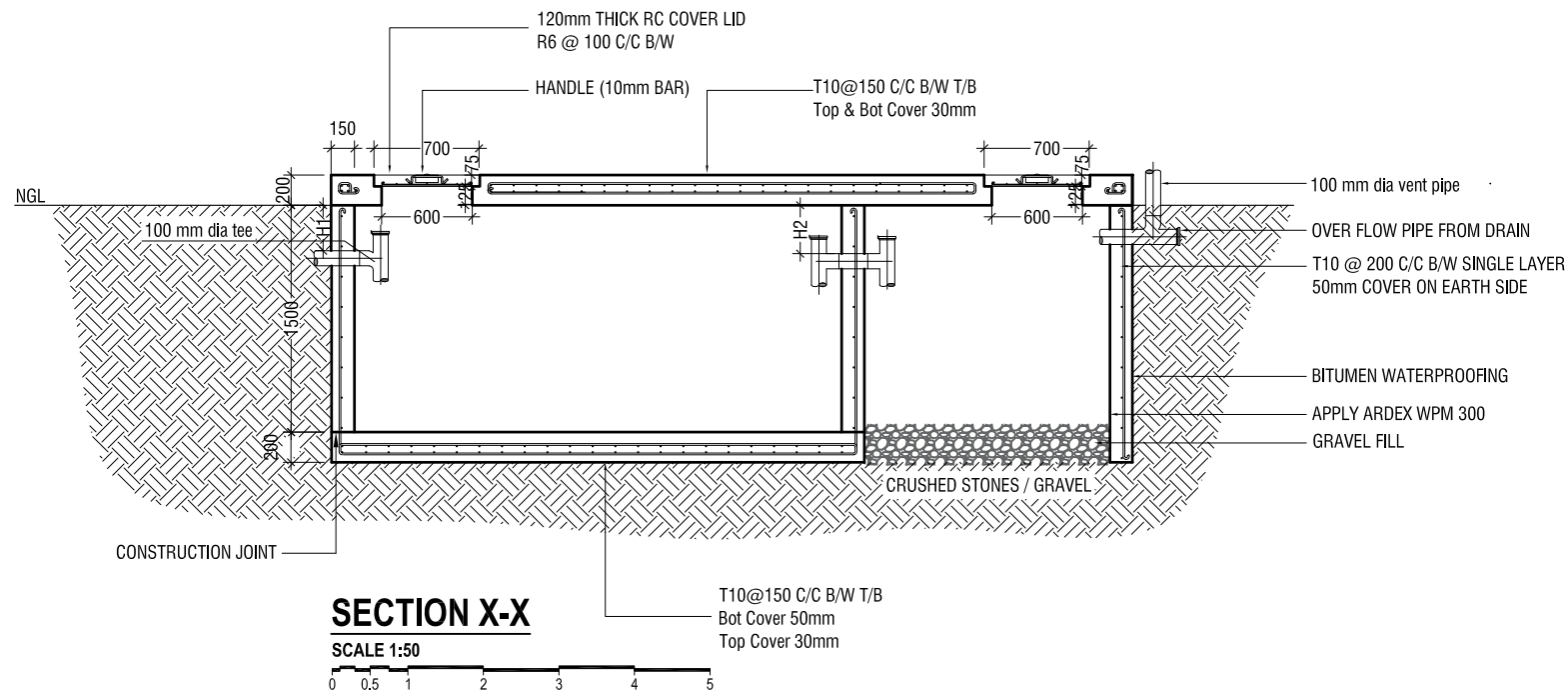
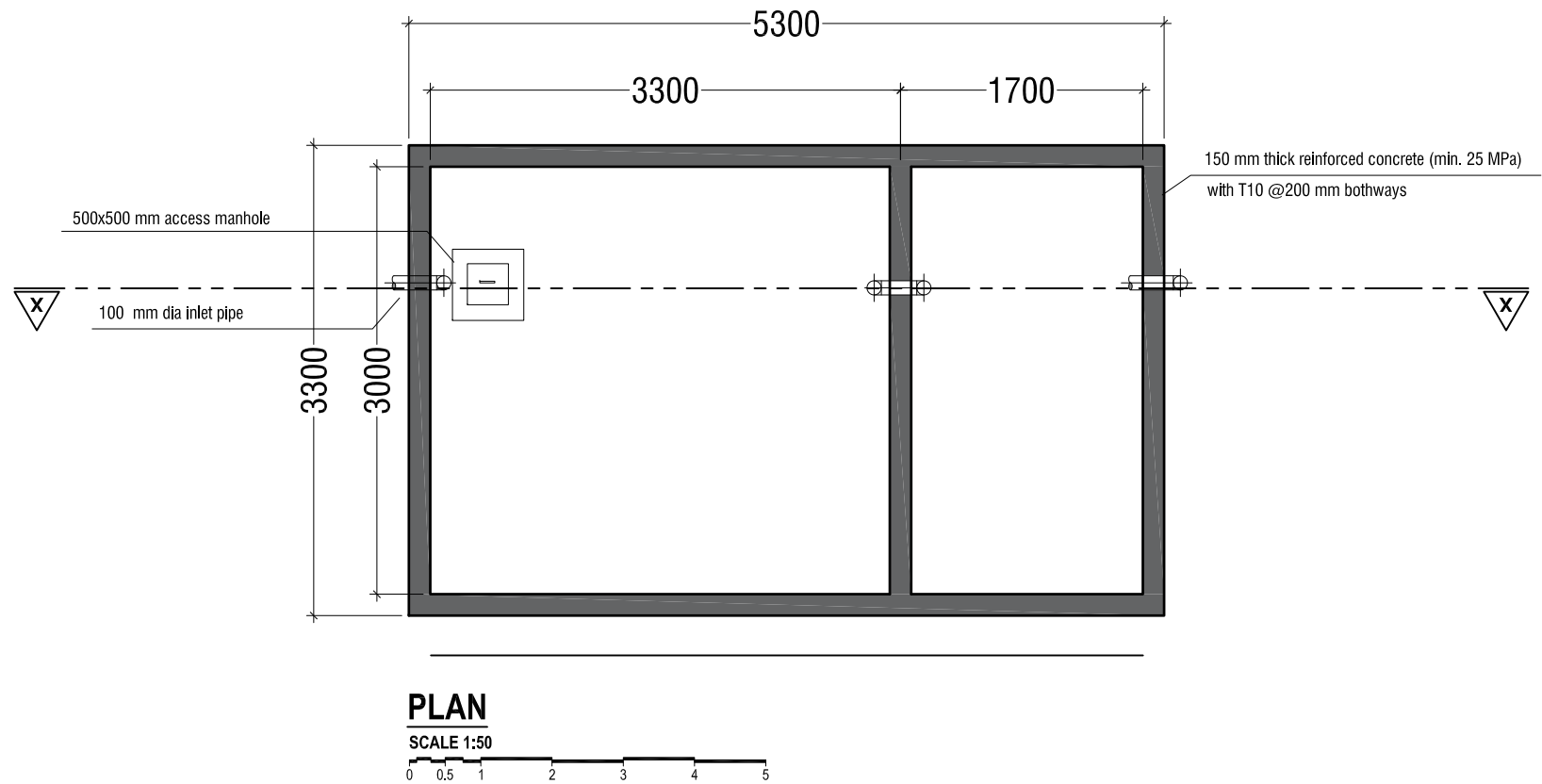
e: info@ryan.com.om w: www.ryan.com.om

3rd floor, V.I. Square, Al-Khaima, Muscat, Oman

Title: First - Second Floor FDP Layout

Page: FDP 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.



**NOTE:**

H1 < H2

- TOP AND BOTTOM OF SEPTIC TANK SHOULD BE OF 200mm THICK
- BITUMINOUS WATERPROOFING TO BE APPLIED BELOW GROUND SURFACE
- REINFORCEMENT TO HAVE A COVER OF 50mm FROM EARTH

**SEPTIC TANK DETAIL**

SCALE 1:50



Sn.Hithadhoo Sharafuddin School 18 Classroom Block (3 story)  
Client: Ministry of Education

Project Number: RI/2020/006

Date: January 2021

Architect: Maryam Irasha Shareef

Engineer: Mohamed Muththalib Waleed

Drawn by: Maryam Leevan Jaleel

Services: Ashraf Ahmed

Interior:-

Rev no	Date
1	
2	
3	
4	
5	



RYAN PRIVATE LIMITED

t: +9603315049 f: +9603310776

e: info@ryan.com.mv

w: www.ryan.com.mv

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

Title: Septic Tank Detail

Page: Detail 01-02

The diagram shows a circular structure with a central point. Two lines intersect at the center, forming an 'X' shape. The lines are labeled with diameters: 01150 and 01000. The structure is composed of concentric circles and a dashed line on the left.

Technical drawing of a rectangular water table. The drawing shows a cross-section of the structure with the following dimensions and details:

- Overall Height:** 1500 mm.
- Overall Width:** 1150 mm.
- Internal Width:** 1000 mm.
- Internal Height:** 750 mm.
- Top and Bottom Reinforcement:** T10 @ 150 C/C T/B (Top and Bottom).
- Side Reinforcement:** T10 @ 150 C/C T/B (Side).
- Reinforcement Details:** The drawing shows a cross-section of the structure with reinforcement bars (T10) spaced at 150 mm center-to-center (C/C) for top, bottom, and side reinforcement. The top and bottom reinforcement is shown with hooks.
- Text:** to be decided at site. water table must be available for at least 1500mm.

Technical drawing of a rectangular plate with two L-shaped cutouts. The overall dimensions are 1150 mm width and 1000 mm height. The cutouts are 50 mm wide and 150 mm high. The distance between the inner vertical faces of the cutouts is 900 mm. The distance from the left edge to the first cutout is 50 mm, and from the second cutout to the right edge is 50 mm. The distance between the inner horizontal faces of the cutouts is 1000 mm.

Technical drawing of a cross-section of a concrete slab. The drawing shows a rectangular slab with a total width of 1000 and a total height of 150. The bottom edge is labeled 900. The top edge is labeled 1000. The right edge is labeled 150. The left edge is labeled 50. The bottom edge is labeled 900. The drawing includes a label 'SIKA SEALANT' pointing to a vertical line on the left side. The drawing is a technical drawing of a cross-section of a concrete slab.

- 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



Page: Detail 02-02

Sn.Hithadhoo Sharafuddin School 18 Classroom Block (3 story)  
Client: Ministry of Education

Project Number: RI/2020/006  
Date: January 2021  
Architect : Maryam Irsha Shareef  
Engineer : Mohamed Muththalib Waleed  
Drawn by : Maryam Leevan Jaleel  
Services : Aishath Ahmed  
Interior : -

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