

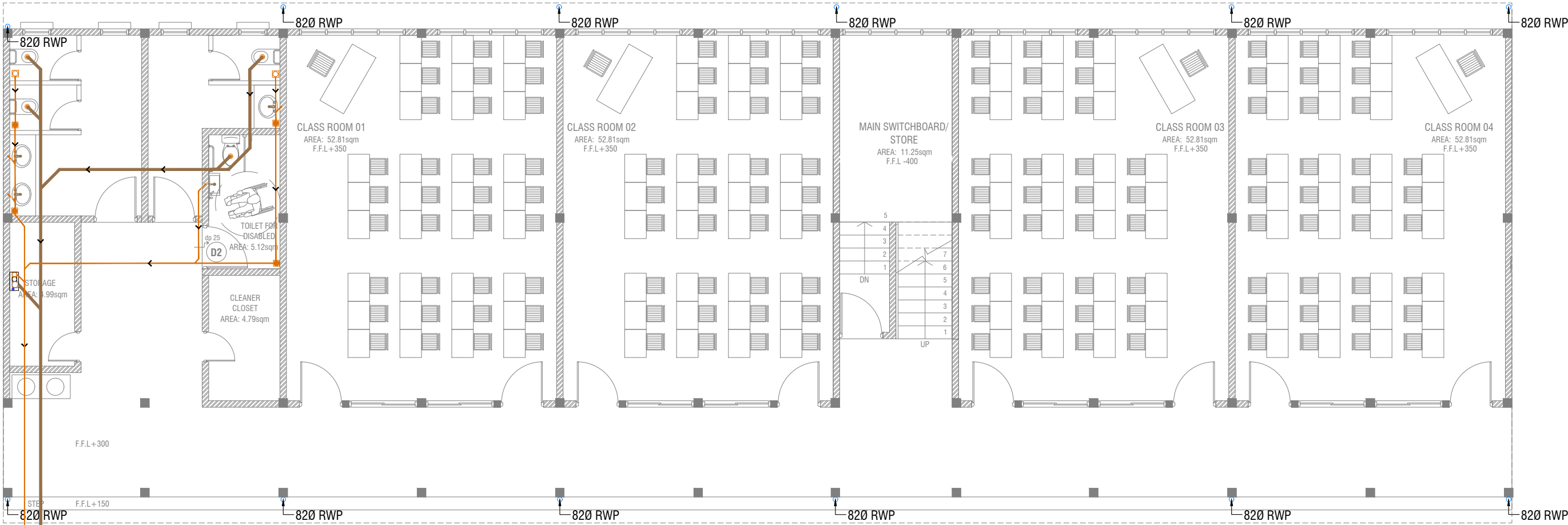
Proposed 12 Classroom Block at
AA. Thoddoo School
(03 Storey)

SERVICES DRAWING
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, Ameerema, Male'



CONNECTED TO EXISTING SEWER PIPES

GROUND FLOOR DRAINAGE LAYOUT



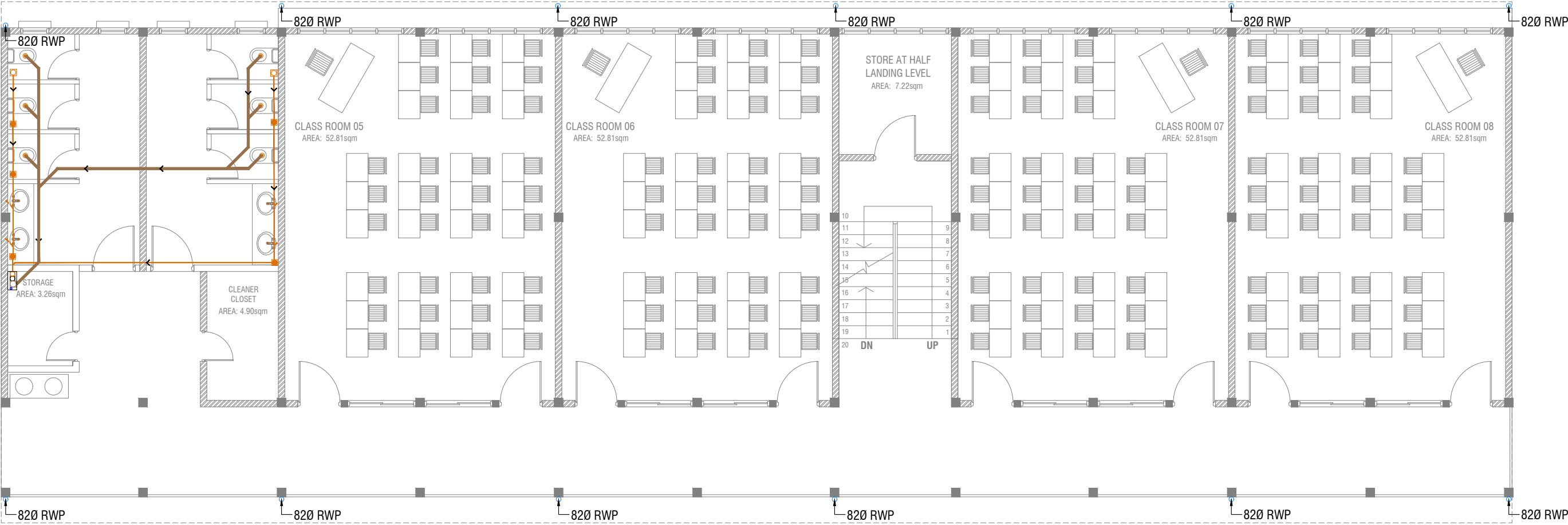
- LEGEND**
- FG FLOOR GULLY
 - FD FLOOR DRAIN
 - WM 40 Ø STUB FOR WASHING MACHINE
 - SP 110 Ø SOIL PIPE
 - SVP 110 Ø SOIL VENT PIPE
 - WP 82 Ø WASTE PIPE
 - WVP 82 Ø WASTE VENT PIPE
 - WP 40 Ø WASTE PIPE
 - RWP 110 Ø RAINWATER PIPE
 - CD 25 Ø DRAIN PIPE
 - MHVP 50 Ø MANHOLE VENT PIPE

AA Thoddoo School - 12 Classroom (03 Storey)

Client: Ministry of Education

Rev no	Date
1	2019
2	2019
3	2019
4	2019
5	2019

Project Number: RI/2017/012
Date: May 2019
Architect: Razana Amir
Engineer: Ahmed Zuhair Zaeem
Drawn by: Aishath Mohamed Rasheed
Services: Aishath Ahmed
Interior: -



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
- WWP 82 Ø WASTE VENT PIPE
- WP 40 Ø WASTE PIPE
- RWP 110 Ø RAINWATER PIPE
- CD 25 Ø DRAIN PIPE
- MHVP 50 Ø MANHOLE VENT PIPE

AA.Thoddoo School - 12 Classroom (03 Storey)

Client: Ministry of Education

Rev no	Date
1	May 2019
2	
3	
4	

Project Number: RI/2017/012

Date: May 2019

Architect : Razana Anir

Engineer : Ahmed Zuhail Zaeem

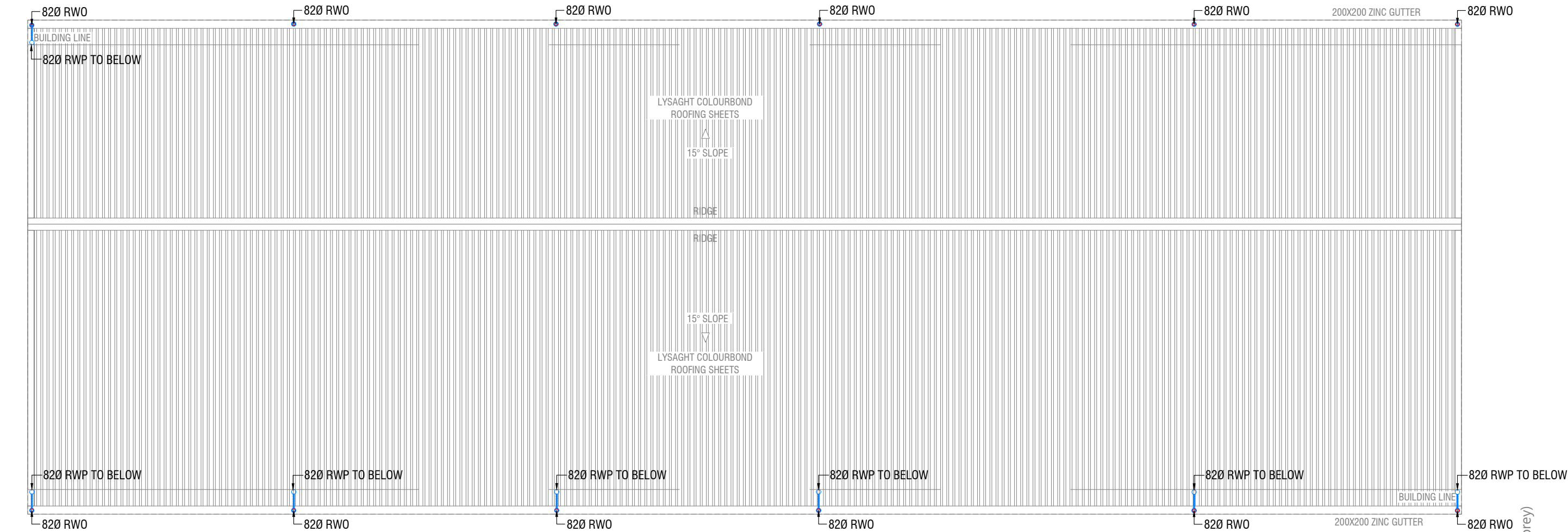
Drawn by : Aishath Mohamed Rasheed

Services : Aishath Ahmed

Interior : -



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



ROOF DRAINAGE LAYOUT

SCALE 1:100

0 0.5 1 2 3 4 5

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 110 Ø RAINWATER PIPE
- CD 25 Ø DRAIN PIPE
- MHVP 50 Ø MANHOLE VENT PIPE

AA.Thoddoo School - 12 Classroom (03 Storey)

Client: Ministry of Education

Rev no	Date
1	2019/05/01
2	2019/05/01
3	2019/05/01
4	2019/05/01

Project Number: RI/2017/012

Date: May 2019

Architect : Razana Anir

Engineer : Ahmed Zuhail Zaeem

Drawn by : Aishath Mohamed Rasheed

Services : Aishath Ahmed

Interior : -

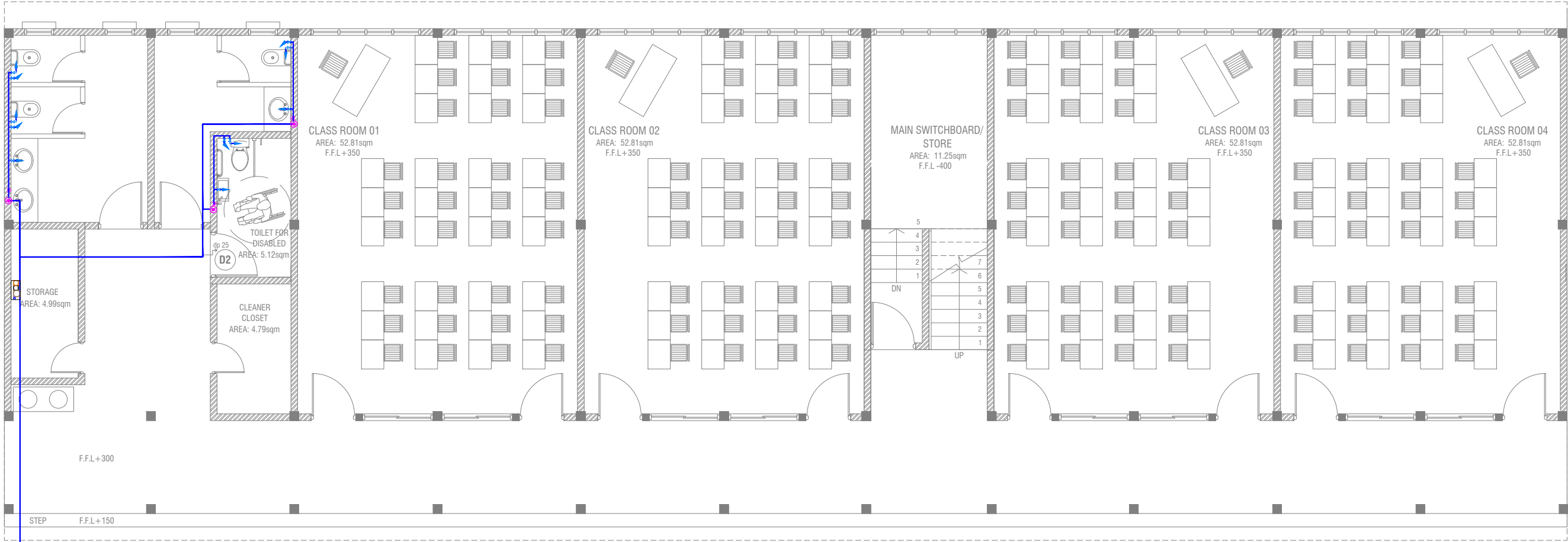


RIYAN PRIVATE LIMITED

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

Title: Roof
Drainage Layout

Page: DR 03-03



CONNECTED TO EXISTING MAIN WATER PIPE

GROUND FLOOR PLUMBING LAYOUT

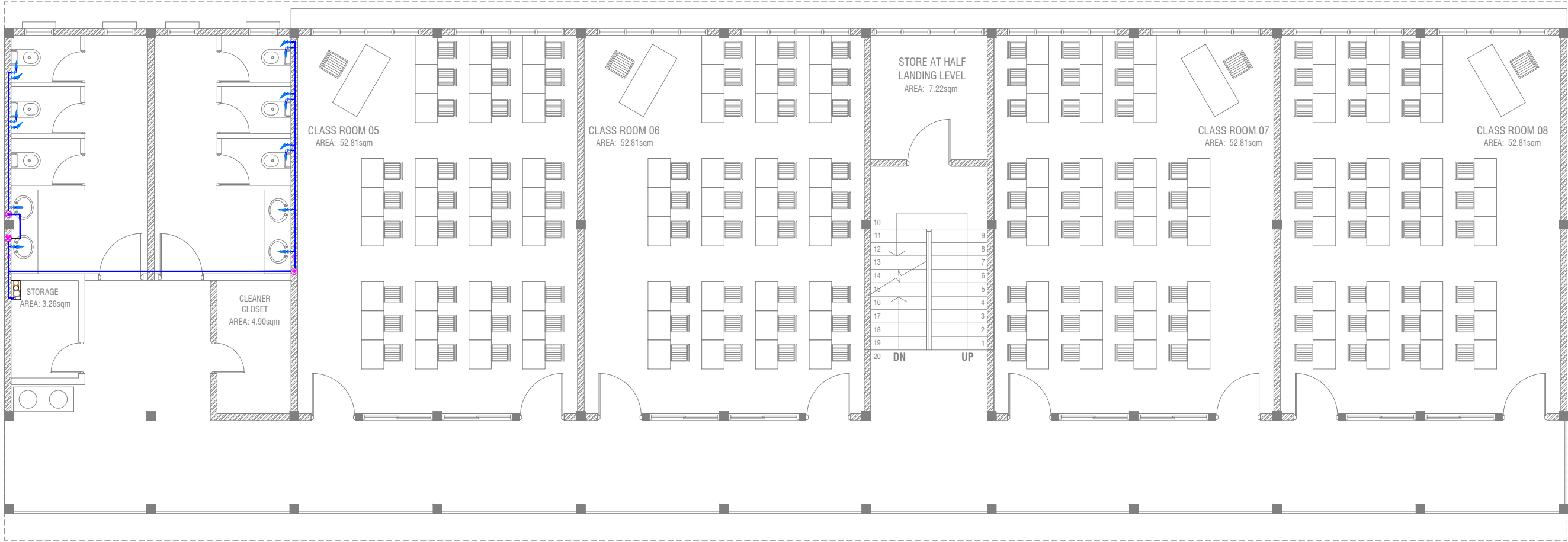


- LEGEND
- 16 Ø COLD WATER SUPPLY TO CISTERN
 - 16 Ø COLD WATER SUPPLY TO BIDET SHOWER
 - 16 Ø COLD WATER SUPPLY TO BASIN FAUCET / SINK
 - GV GATE VALVE
 - 25 Ø COLD WATER SUPPLY PIPES RUN UNDERGROUND
 - 25 Ø COLD WATER SUPPLY PIPES RUN IN WALL / UNDER FALSE CEILING
 - RISE IN WALL
 - DROP IN WALL
 -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

AA Thoddoo School - 12 Classroom (03 Storey)

Client: Ministry of Education

Rev no	Date
1	2019
2	2019
3	2019
4	2019
5	2019



FIRST - SECOND FLOOR PLUMBING LAYOUT

SCALE 1:100



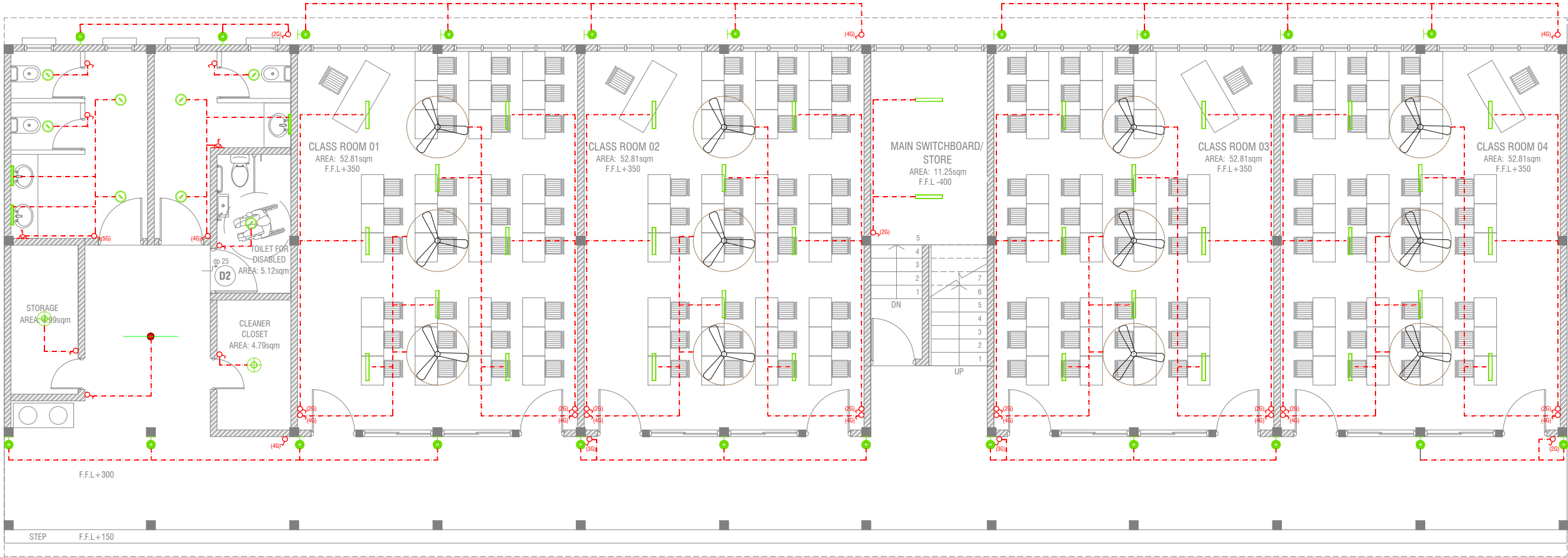
LEGEND

- 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

AA Thoddoo School - 12 Classroom (03 Storey)

Client: Ministry of Education

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



GROUND FLOOR LIGHTING LAYOUT

SCALE 1:100



LEGEND

- WPD OUT DOOR WALL LIGHT
- ML MIRROR LIGHT (7W LED LIGHT)
- H2 RECESSED DOWN LIGHT 12W
- CL CEILING LIGHT 18W CFL
- WP 2 X 4' TUBE LIGHT WITH WEATHER PROOF OPAL CASING
- C2 CEILING DOWN LIGHT (18W)
- LIGHT SWITCH
- SWITCHING LINE

CL2 2 X 4' FLUORESENT LIGHT WITH OPAL CASING

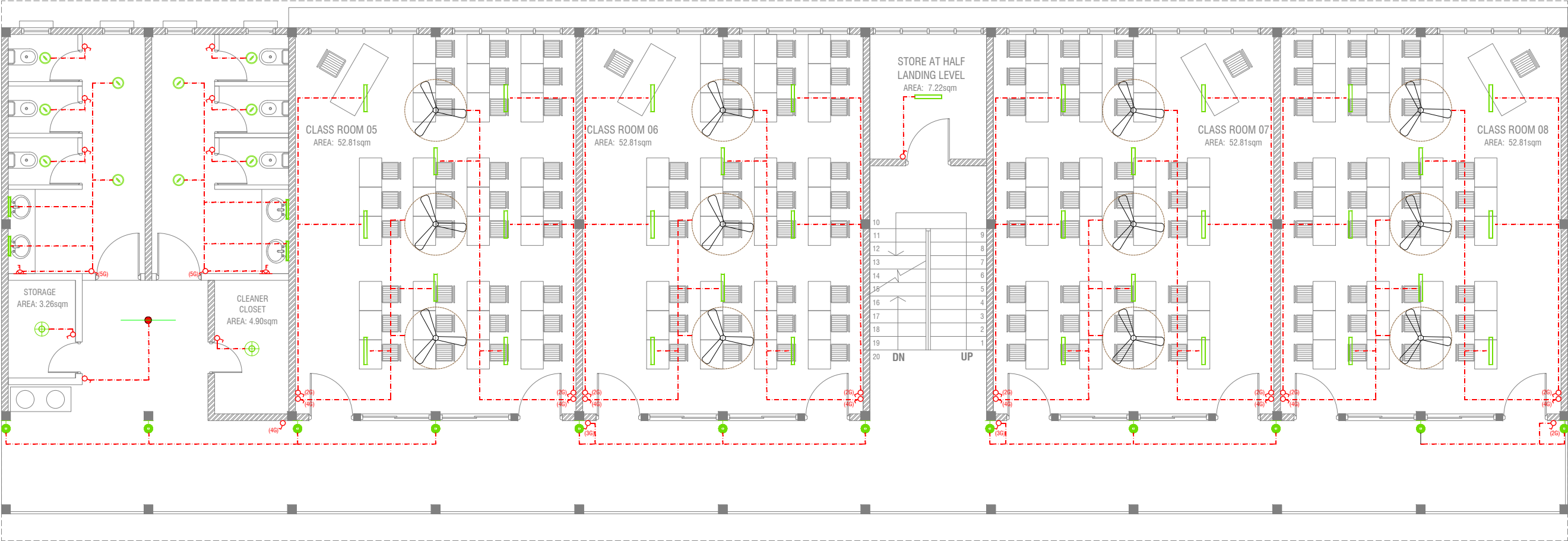


NOTE:
- ALL WIRING TO BE OF STELCO APPROVED STANDARDS
- SWITCH CONTROL = 1200MM FROM FLOOR FIN. LEVEL
-ALL LIGHTING POINTS CONNECTED TO THEIR RESPECTIVE DB

AA Thoddoo School - 12 Classroom (03 Storey)

Client: Ministry of Education

Rev no	Date
1	2019
2	2019
3	2019
4	2019
5	2019



FIRST - SECOND FLOOR LIGHTING LAYOUT



LEGEND

WPD OUT DOOR WALL LIGHT

ML MIRROR LIGHT (7W LED LIGHT)

H2 RECESSED DOWN LIGHT 12W

CL CEILING LIGHT 18W CFL

WP 2 X 4' TUBE LIGHT WITH WEATHER PROOF OPAL CASING

C2 CEILING DOWN LIGHT (18W)

LIGHT SWITCH

SWITCHING LINE

CL2 2 X 4' FLUORESENT LIGHT WITH OPAL CASING

CEILING FAN (52" - 54")

NOTE:

- ALL WIRING TO BE OF STELCOO APPROVED STANDARDS
- SWITCH CONTROL = 1200MM FROM FLOOR FIN. LEVEL
- ALL LIGHTING POINTS CONNECTED TO THEIR RESPECTIVE DB



GROUND FLOOR POWER LAYOUT

SCALE 1:100



LEGEND

- PHONE EXTENSION
- COMPUTER NETWORK OUTLET (RJ 45 CONNECTORS)
- TELEPHONE OUTLET (RJ11, CONNECTOR)
- 13A POWER OUTLET
- 13A TWIN SOCKET OUTLET
- TPN ISOLATOR
- VGA CABLE FOR PROJECTOR
- DISTRIBUTION BOX
- 15A.SWITCHED/ SPUR UNIT @ H.L.
- TWO GANG TV/SAT SOCKET OUTLET

HL. HIGH LEVEL

WPE WEATHER PROOF POLYCARBONATE ENCLOSURE

ALL ELECTRICAL COMPONENT TO BE CONNECTED TO THEIR RESPECTIVE DB

AA Thoddoo School - 12 Classroom (03 Storey)

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

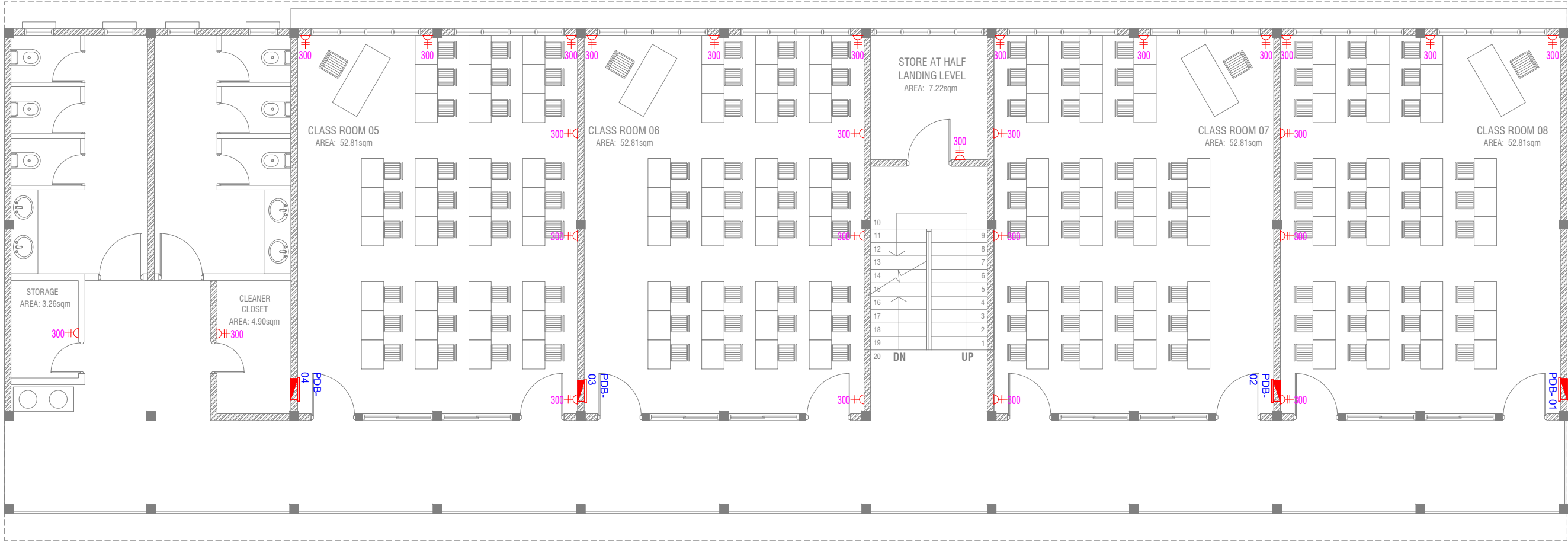


RIYAN PRIVATE LIMITED

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

Title: Ground Floor
Power Layout

Page: EP 01-02



FIRST - SECOND FLOOR POWER LAYOUT

SCALE 1:100

LEGEND

- PHONE EXTENSION
- COMPUTER NETWORK OUTLET (RJ 45 CONNECTORS)
- TELEPHONE OUTLET (RJ11, CONNECTOR)
- 13A POWER OUTLET
- 13A TWIN SOCKET OUTLET
- TPN ISOLATOR
- VGA CABLE FOR PROJECTOR
- DISTRIBUTION BOX
- 15A.SWITCHED/ SPUR UNIT @ H.L.
- TWO GANG TV/SAT SOCKET OUTLET

H.L. HIGH LEVEL
WPE WEATHER PROOF POLYCARBONATE ENCLOSURE

ALL ELECTRICAL COMPONENT TO BE CONNECTED TO THEIR RESPECTIVE DB

AA Thoddoo School - 12 Classroom (03 Storey)

Client: Ministry of Education

Rev no	Date
1	2019
2	2019
3	2019
4	2019
5	2019
6	2019
7	2019
8	2019
9	2019
10	2019
11	2019
12	2019
13	2019
14	2019
15	2019
16	2019
17	2019
18	2019
19	2019
20	2019



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