

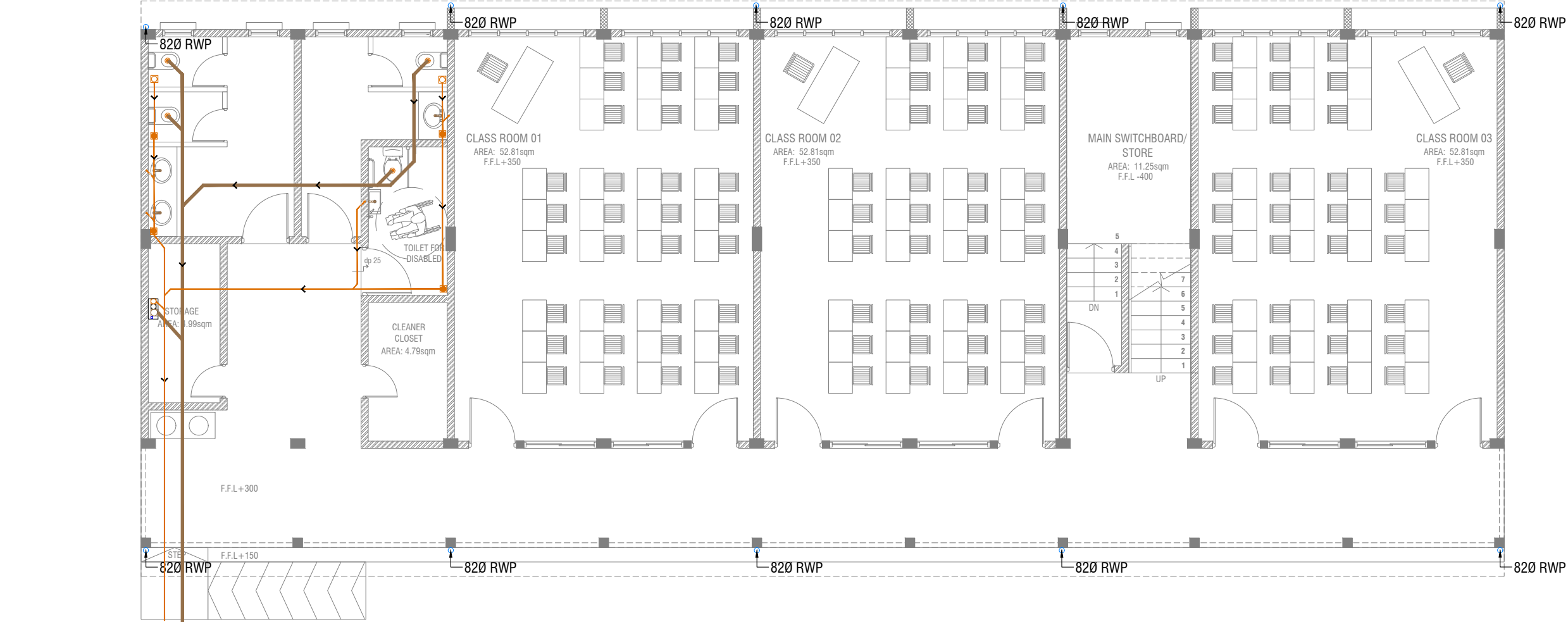
Proposed 12 Classroom Block at
H.DH. AEC, Kulhudhufushi School
(04 Storey)

SERVICES DRAWING
Client: Ministry of Education



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



CONNECTED TO EXISTING SEWER PIPES

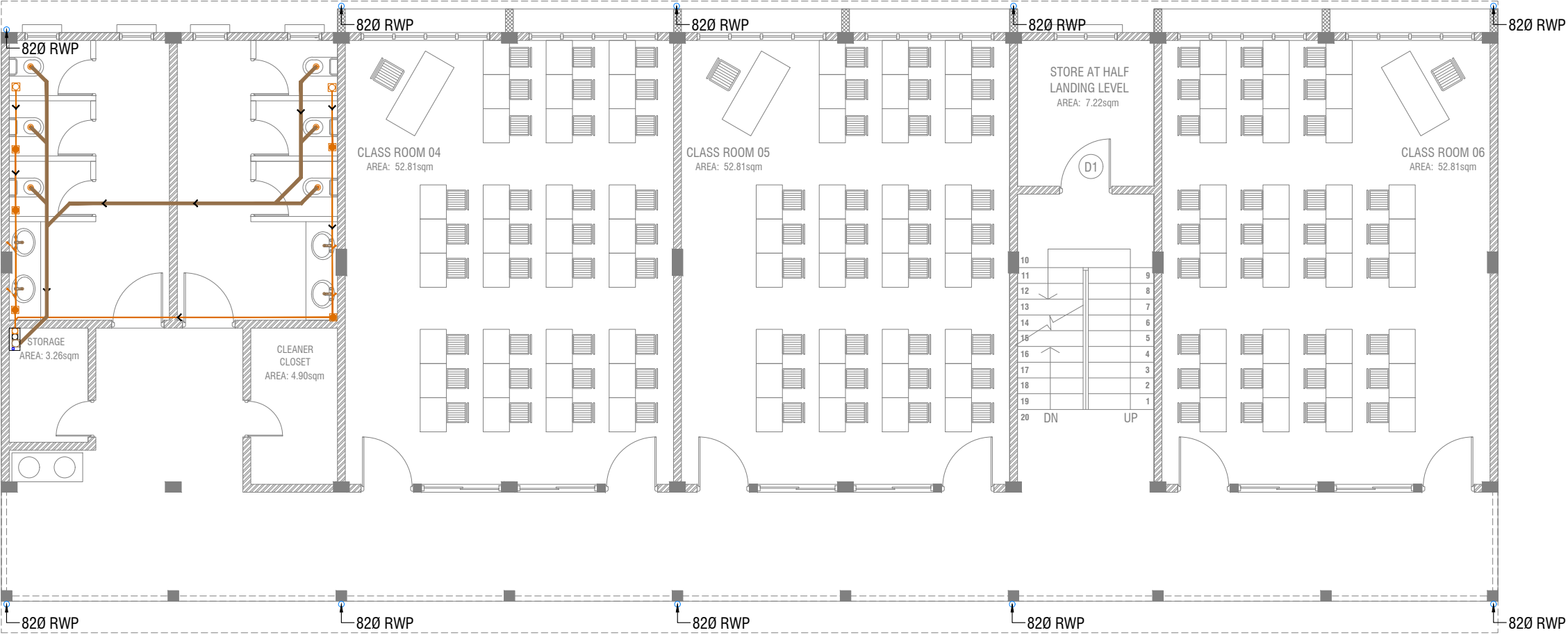
GROUND FLOOR DRAINAGE LAYOUT
SCALE 1:100

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

H.DH.AEC,Kulhudhuffushi - 12 Classroom (04 Storey)

Client: Ministry of Education

Project Number: RI/2017/012	Rev no	Date
Date: May 2019
Architect : Razana Amir		
Engineer : Ahmed Zuhair Zaem		
Drawn by : Aishath Mohamed Rasheed		



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

H.DH.AEC,Kulhuthuffushi - 12 Classroom (04 Storey)

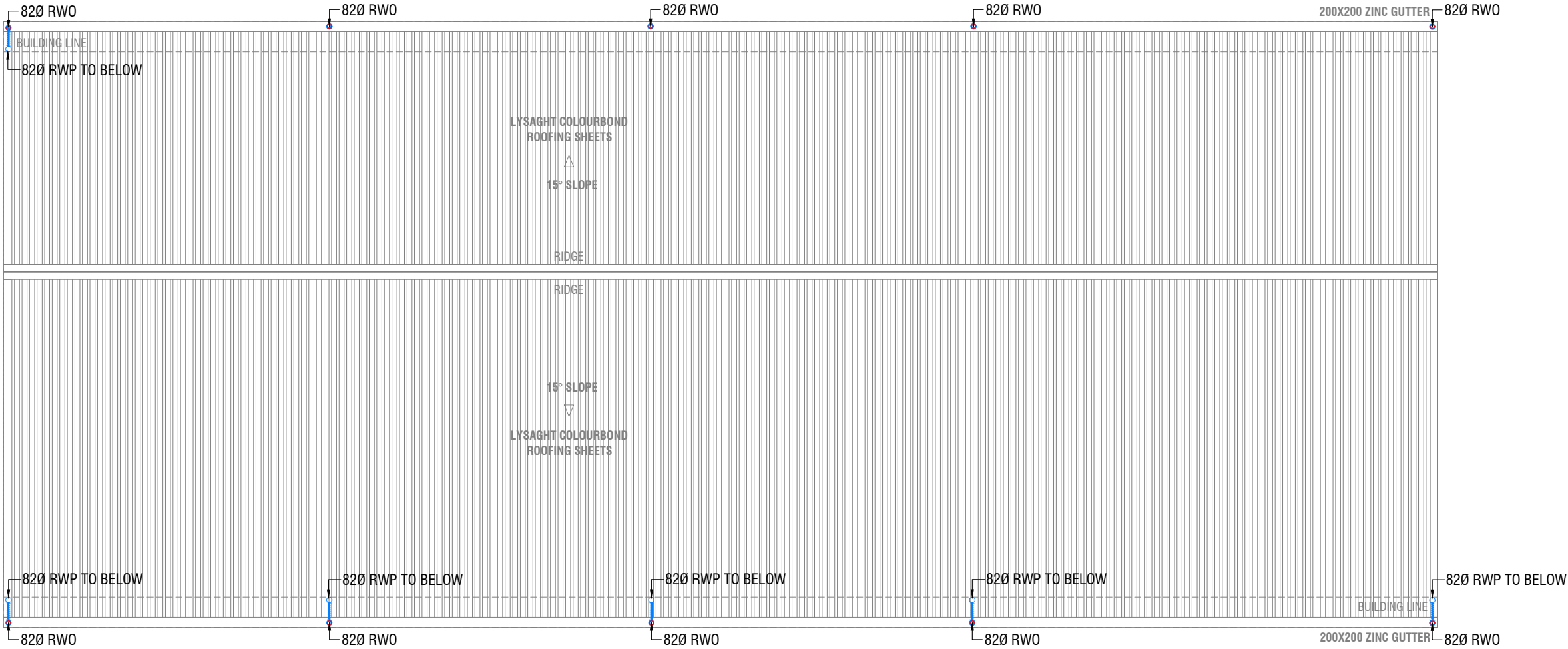
Client: Ministry of Education

Rev no	Date
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18	2017/01/2
19	2017/01/2
20	2017/01/2



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ROOF 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

H.D.H.AEC,Kulhudhuffushi - 12 Classroom (04 Storey)

Client: Ministry of Education

Project Number: RI/2017/012

Date: May 2019

Architect : Razana Amir

Engineer : Ahmed Zuhair Zaeem

Drawn by : Aishath Mohamed Rasheed

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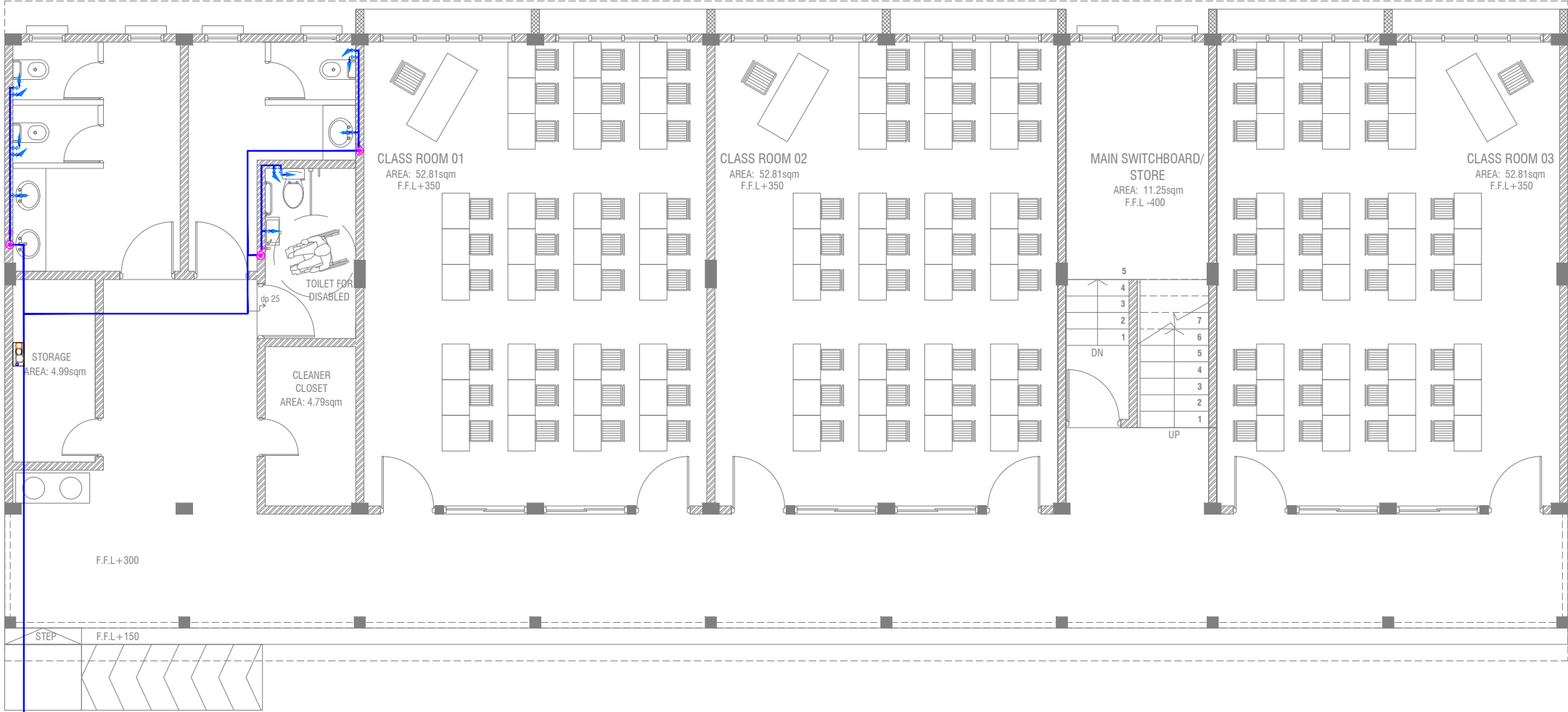


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Title: Roof
Drainage Layout

Page: DR 01-03



CONNECTED TO EXISTING MAIN WATER PIPE

GROUND FLOOR PLUMBING LAYOUT

SCALE 1:100

0 0.5 1 2 3 4 5

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

H.DH.AEC,Kulhudhuffushi - 12 Classroom (04 Storey)

Client: Ministry of Education

Project Number: RI/2017/012

Date: May 2019

Architect : Razana Amir

Engineer : Ahmed Zuhair Zaem

Drawn by : Aishath Mohamed Rasheed

Rev no

Date

Rev no

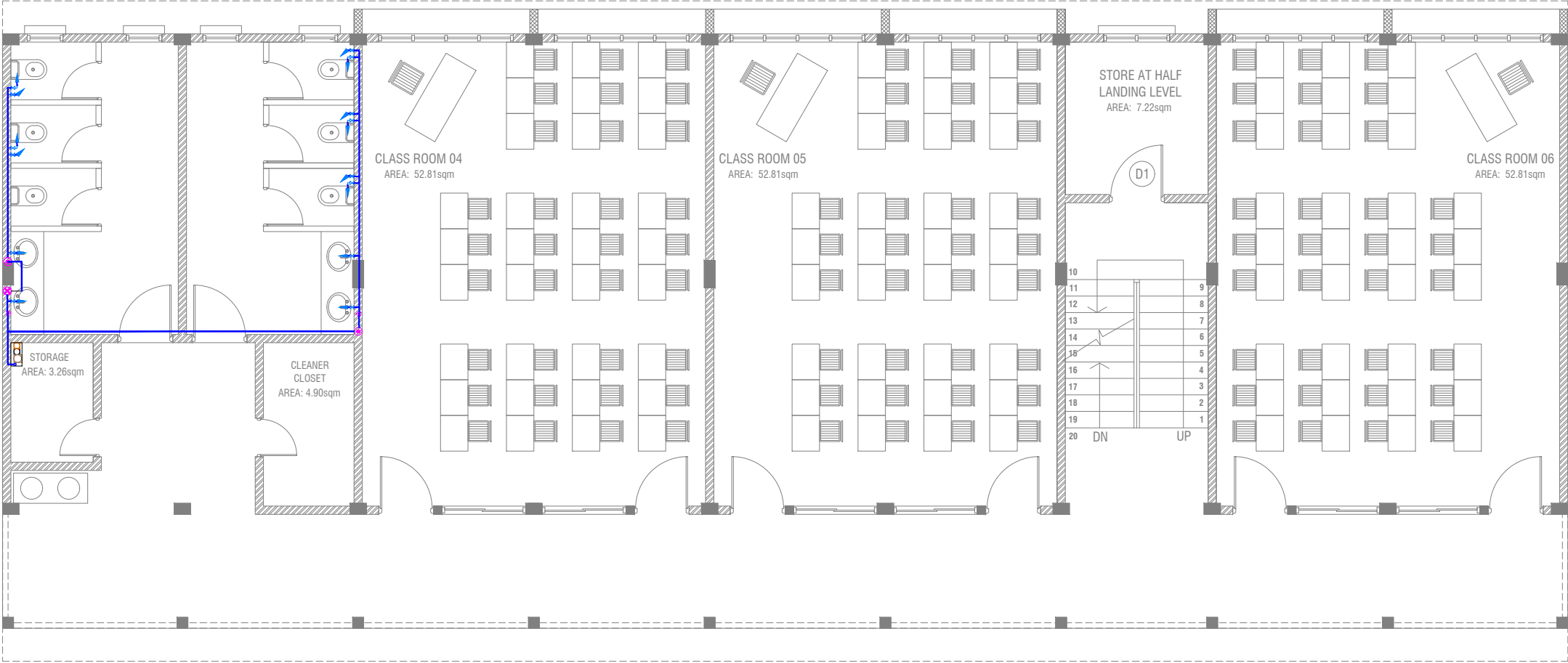
Date

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Title: Ground Floor
Plumbing Layout

Page: PL 01-/02



FIRST - THIRD 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

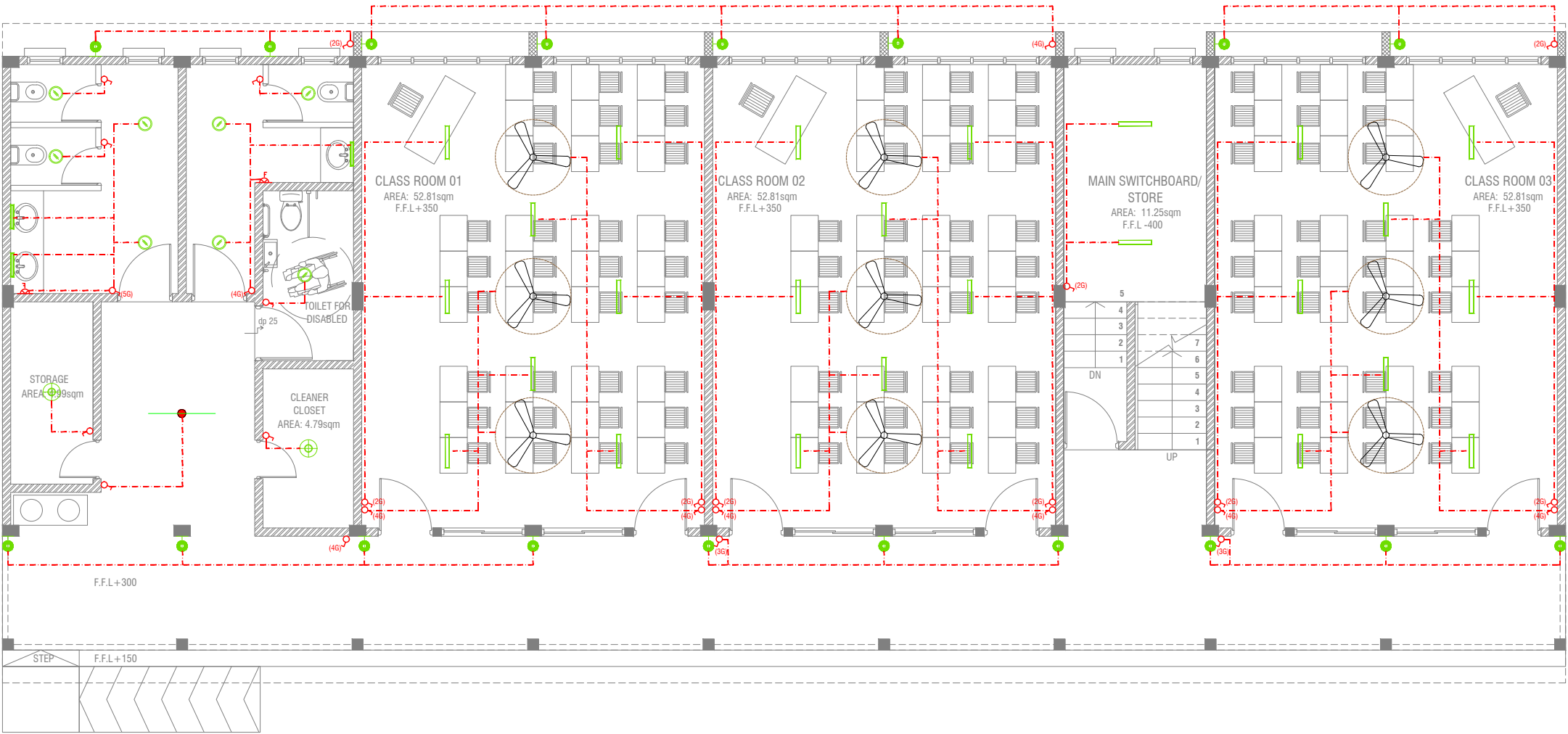
H.DH.AEC,Kulhudhuffushi - 12 Classroom (04 Storey)

Client: Ministry of Education

Rev no	Date
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12	2017/02
13	2017/02
14	2017/02
15	2017/02
16	2017/02
17	2017/02
18	2017/02
19	2017/02
20	2017/02

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

2 X 4' FLUORESCENT 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

H.DH.AEC,Kulhudhuffushi - 12 Classroom (04 Storey)

Client: Ministry of Education

Project Number: RI/2017/012

Date: May 2019

Architect : Razana Amir

Engineer : Ahmed Zuhair Zaem

Drawn by : Aishath Mohamed Rasheed

Rev no

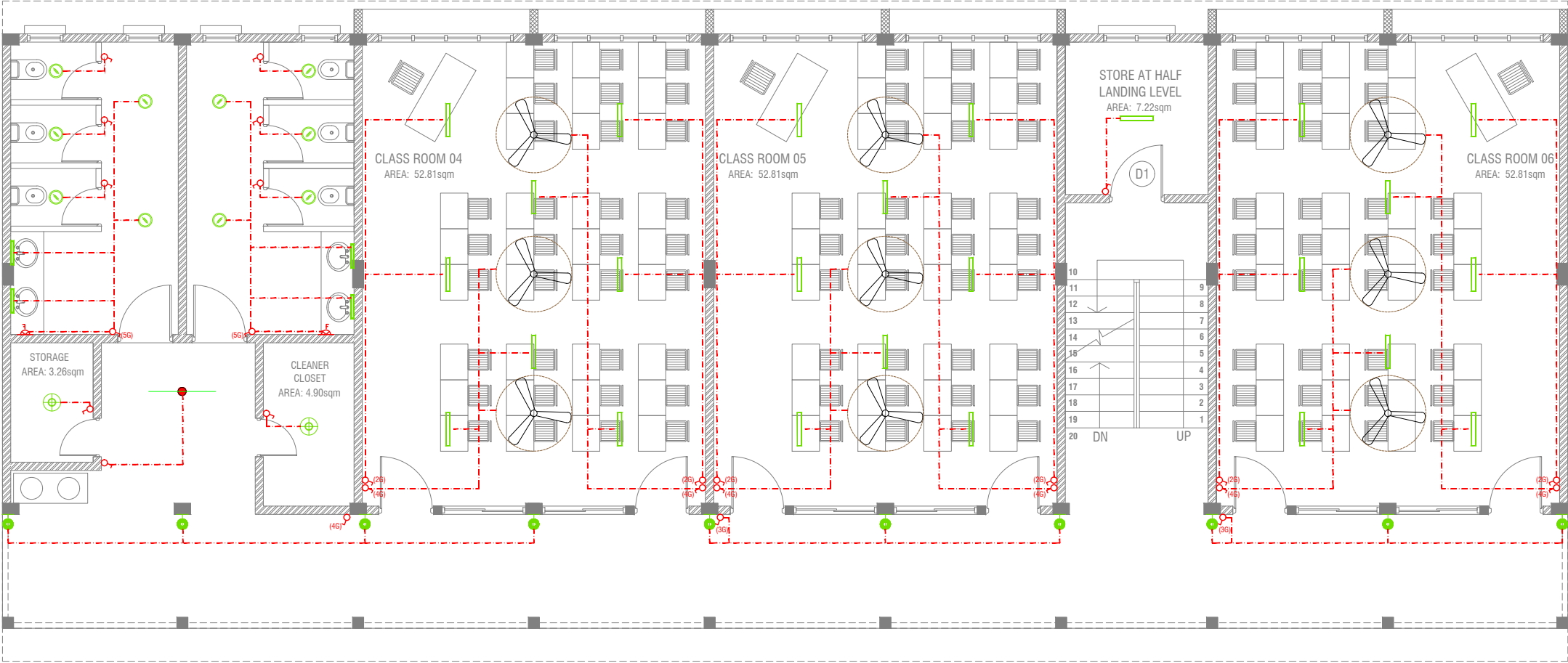
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3rd floor, H. Azum, Ameenemagu, I

Title: Ground Floor
Lighting Layout

Page: EL 01-02



FIRST - THIRD 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

H.DH.AEC,Kulhudhuffushi - 12 Classroom (04 Storey)

Client: Ministry of Education

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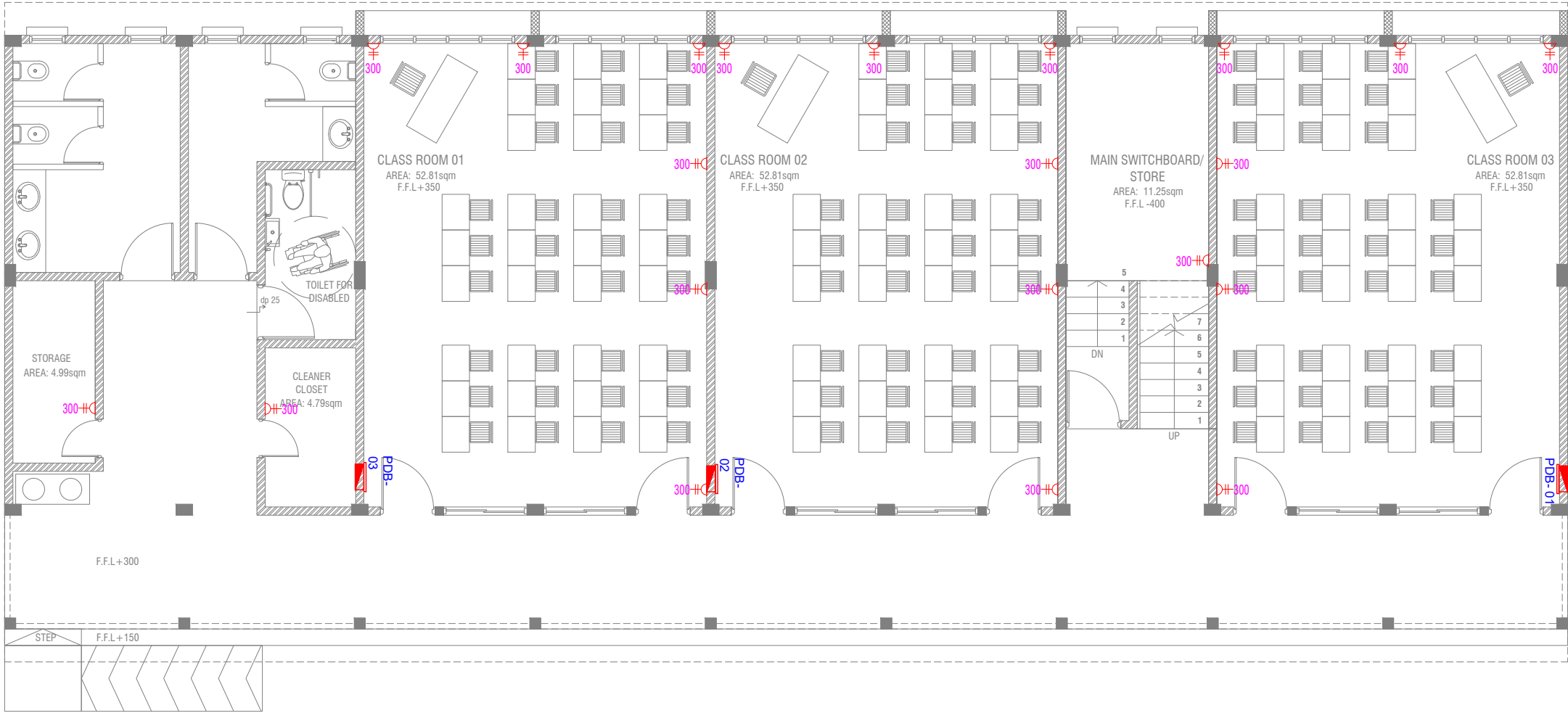
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Title: First - Third Floor
Lighting Layout
Page: EL 02-02

GROUND FLOOR POWER LAYOUT



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

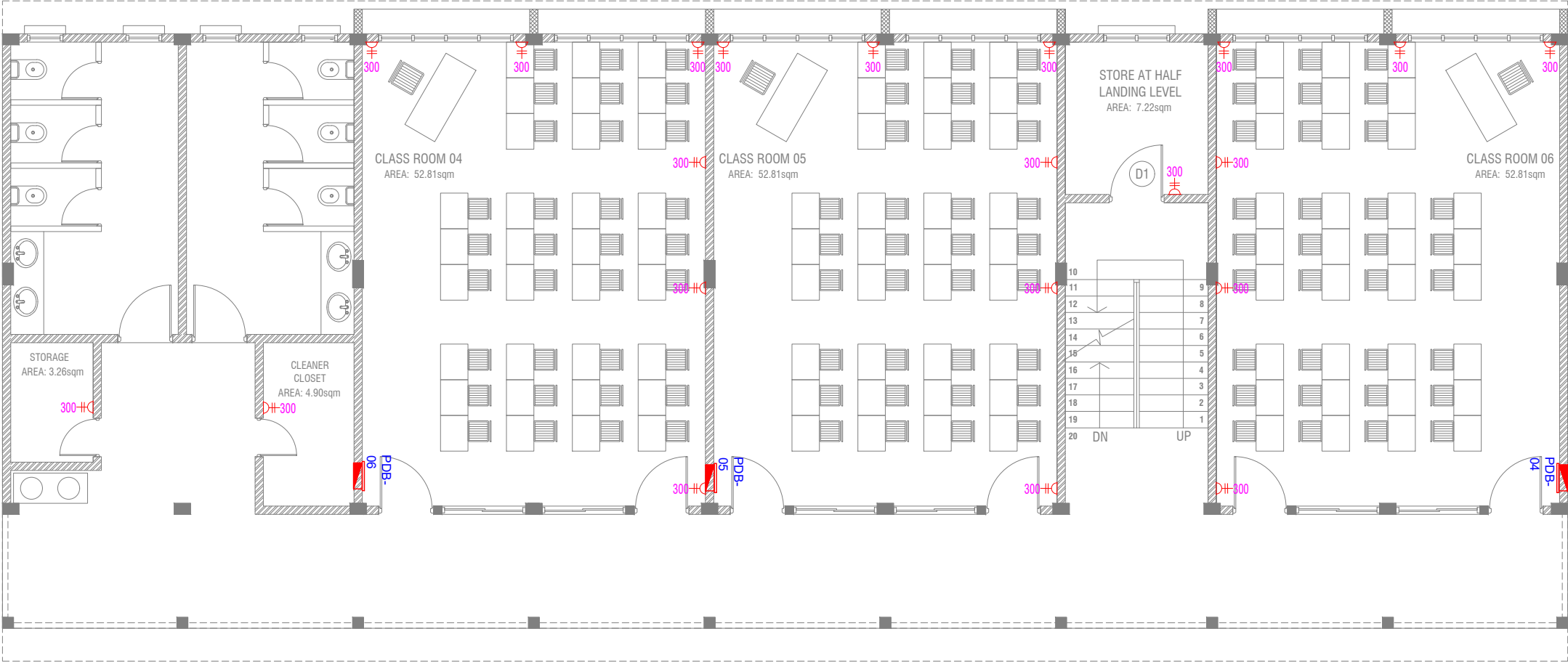
ALL ELECTRICAL COMPONENT TO BE CONNECTED TO THEIR RESPECTIVE DB

H.DH.AEC,Kulhudhuffushi - 12 Classroom (04 Storey)

Client: Ministry of Education

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

Rev no	Date
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FIRST - THIRD 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

H.DH.AEC,Kulhudhuffushi - 12 Classroom (04 Storey)

Client: Ministry of Education

Project Number: RI/2017/012

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Architect : Razana Anir

Engineer : Ahmed Zuhair Zaeem

Drawn by : Aishath Mohamed Rasheed

Rev no	Date
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Title: First - Third Floor Power Layout

Page: EP 02-02