

Proposed 16 Classroom Block at
A.Dh.AEC, Mahibadhoo School
(04 Storey)

SERVICES DRAWING
Client: Ministry of Education



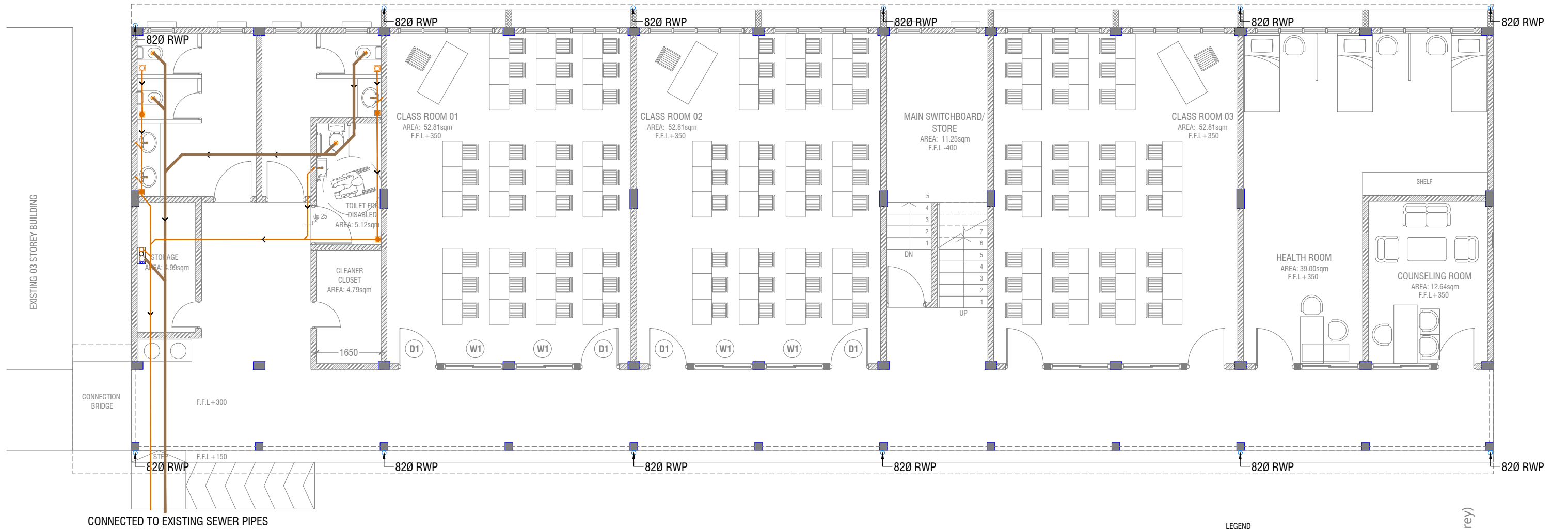
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3rd floor, H. Azum, Ameenemogu, Male

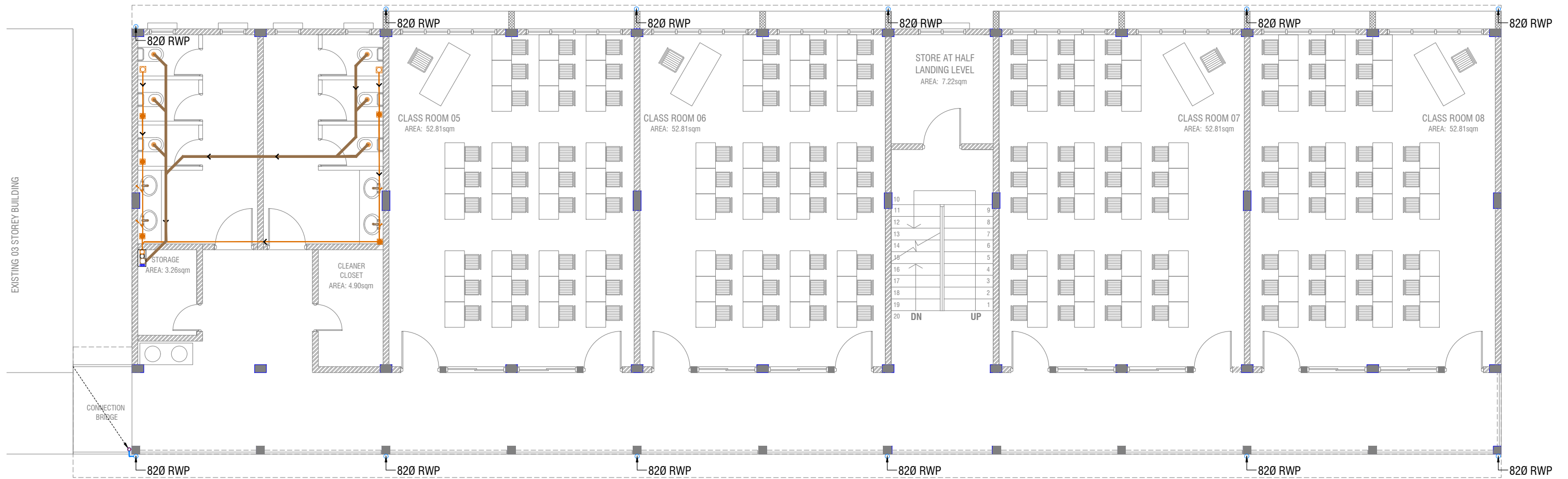


GROUND FLOOR DRAINAGE LAYOUT

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

A.Dh.AEC, Mahibadhoo School - 16 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
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
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- WP 40 Ø WASTE PIPE
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- CD 25 Ø DRAIN PIPE
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A.Dh.AEC, Mahibadhoo School - 16 Classroom (04 Storey)
Client: Ministry of Education

Rev no	Date
1	-----
2	-----
3	-----
4	-----

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



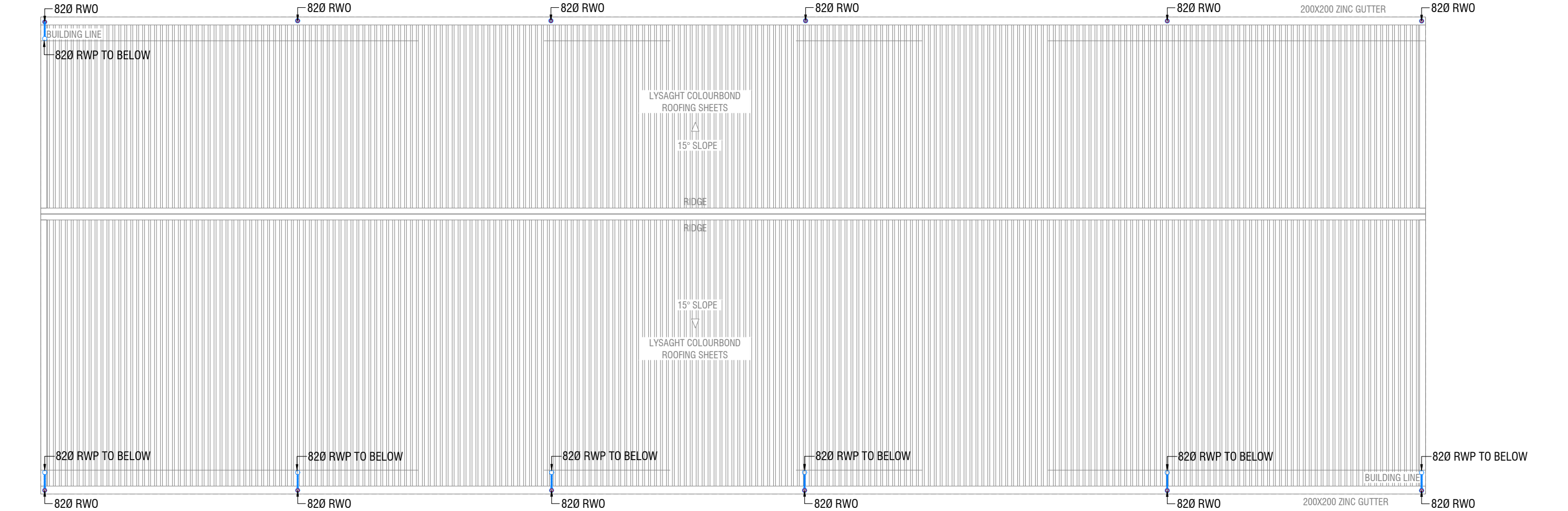
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3rd floor, H. Azum, Ameenemagui, Male'

Title: First - Second Floor
Drainage Layout

Page: DR 02-04

Page: DR 03-04



ROOF DRAINAGE LAYOUT

SCALE 1:100



A.Dh.AEC, Mahibadhoo School - 16 Classroom (04 Storey)

Client: Ministry of Education

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

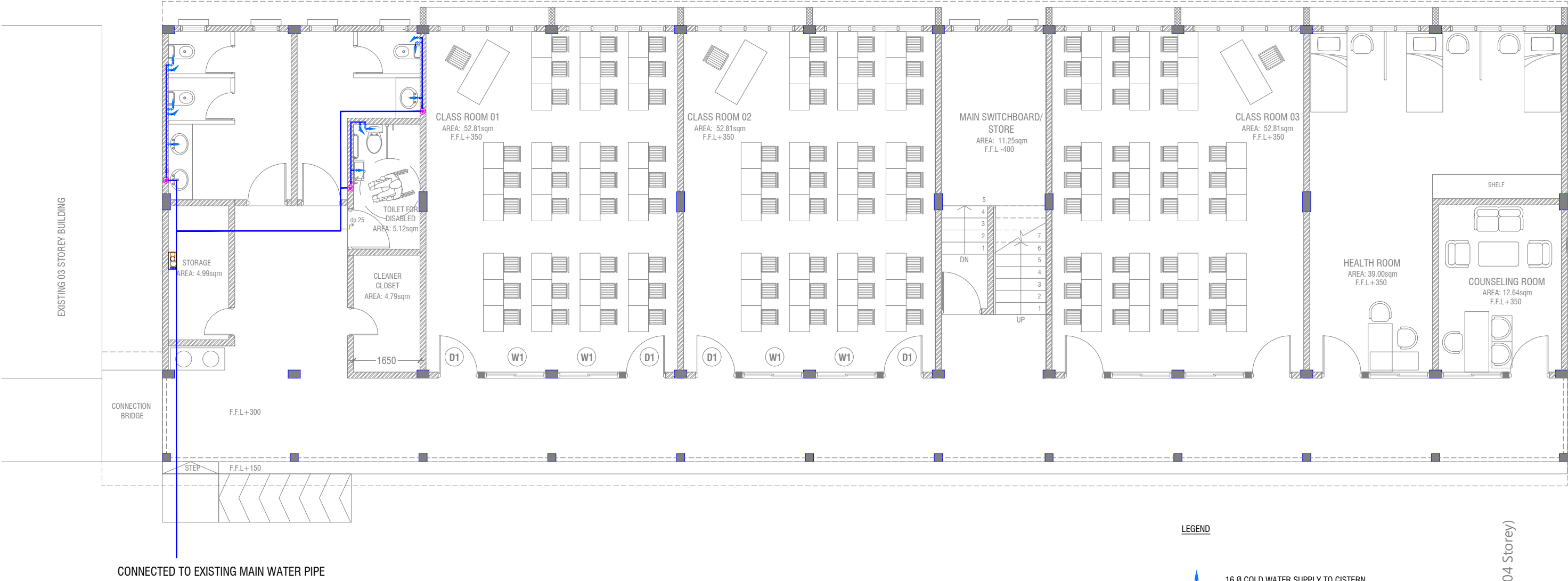


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Title: Roof
Drainage Layout

Page: DR 04-04



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 FLOOR PLUMBING LAYOUT

SCALE 1:100



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Date: May 2019

Architect: Razana Amir

Engineer: Ahmed Zuhair Zaem

Drawn by: Aishath Mohamed Rasheed

Services: Aishath Ahmed

Interior: -

Rev no

Date

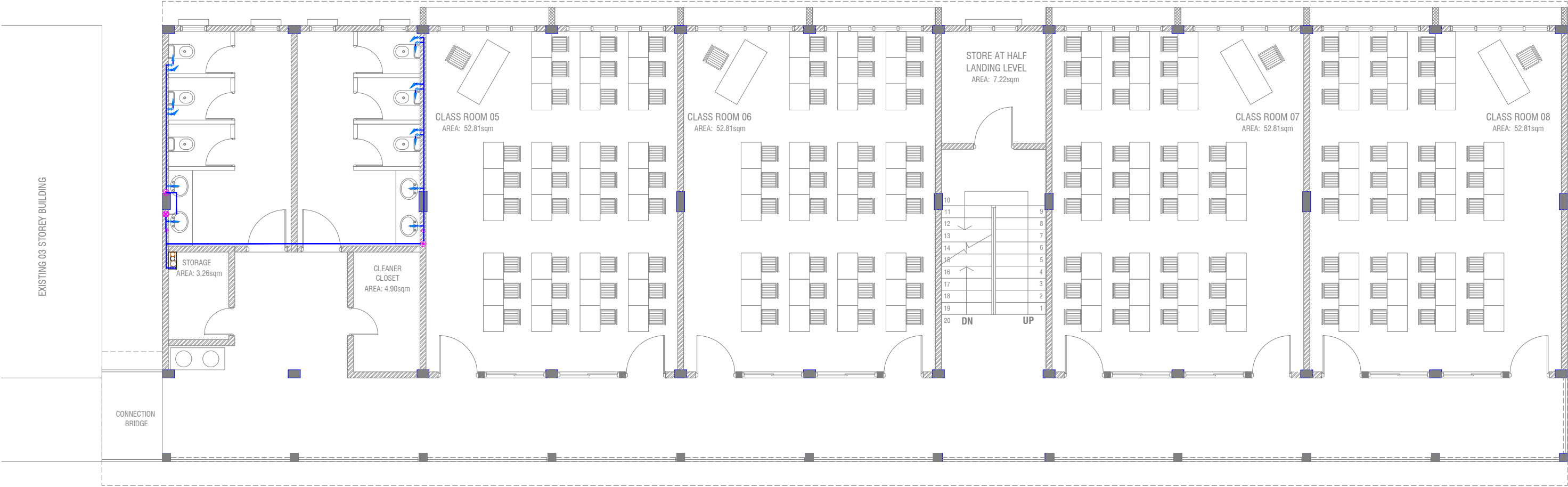


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Title: Ground Floor
Plumbing Layout

Page: PL 01-03



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

A.Dh.AEC, Mahibadhoo School - 16 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

Services: Aishath Ahmed

Interior: -

Rev no

Date

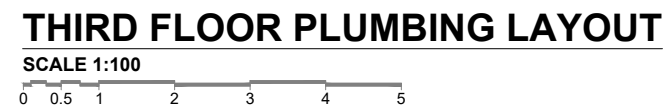


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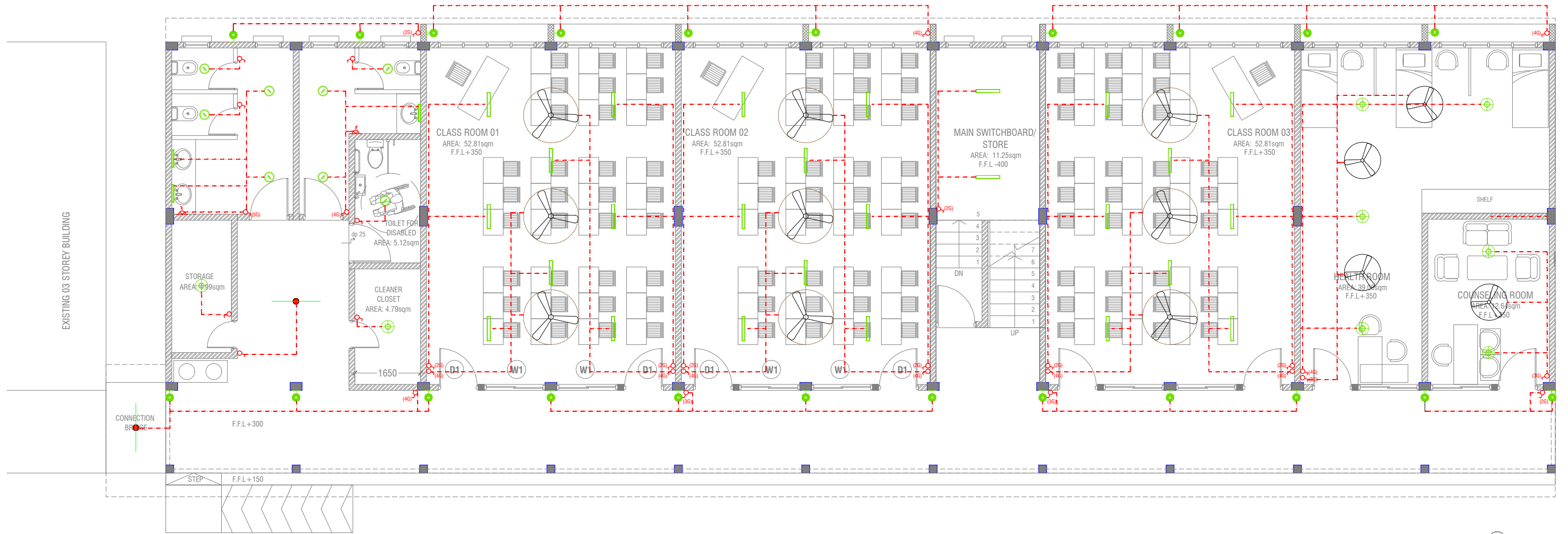
Title: First - Second Floor
Plumbing Layout

Page: PL 02-03



SCALE 1:100





GROUND FLOOR LIGHTING LAYOUT

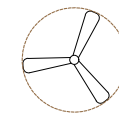
SCALE 1:100



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' FLUORESCENT 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



CEILING FAN (32" - 36")

A.Dh.AEC, Mahibadhoo School - 16 Classroom (04 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 Amir
 Engineer: Ahmed Zuhair Zaem
 Drawn by: Aishath Mohamed Rasheed
 Services: Aishath Ahmed
 Interior: -

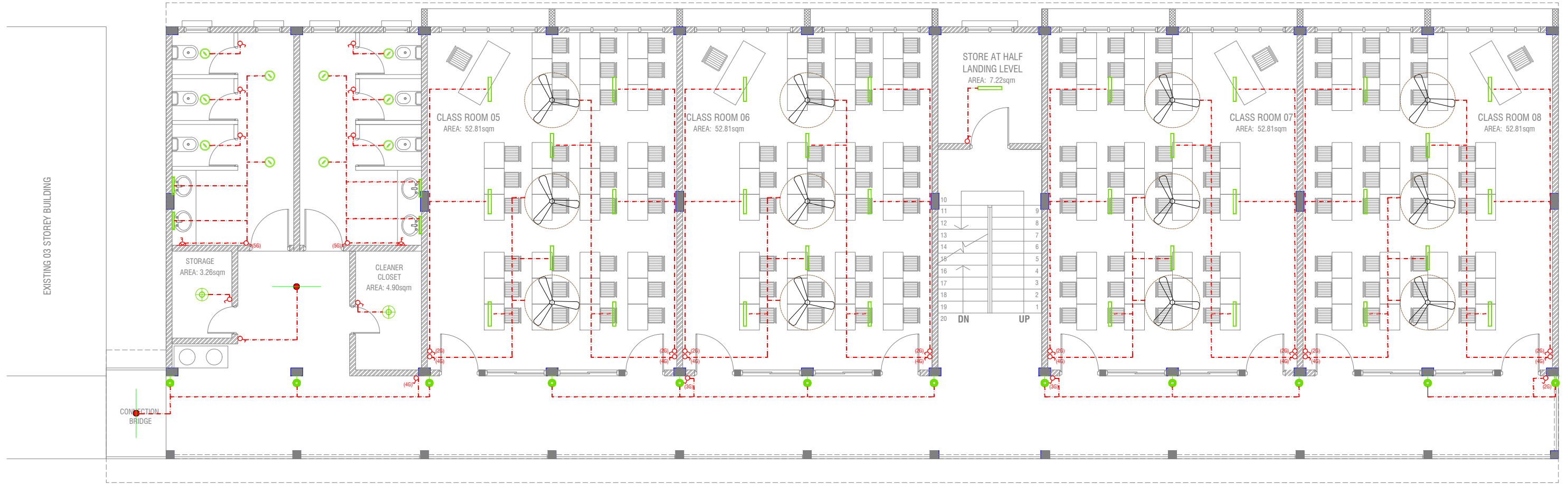


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Title: Ground Floor
 Lighting Layout

Page: EL 01-03











FIRST - SECOND FLOOR LIGHTING LAYOUT

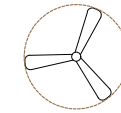
SCALE 1:100



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



CEILING FAN (52" - 54")

NOTE:

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- SWITCH CONTROL = 1200MM FROM FLOOR FIN. LEVEL
- ALL LIGHTING POINTS CONNECTED TO THEIR RESPECTIVE DB

A.Dh.AEC, Mahibadhoo School - 16 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

Services: Aishath Ahmed

Interior: -

Rev no

Date



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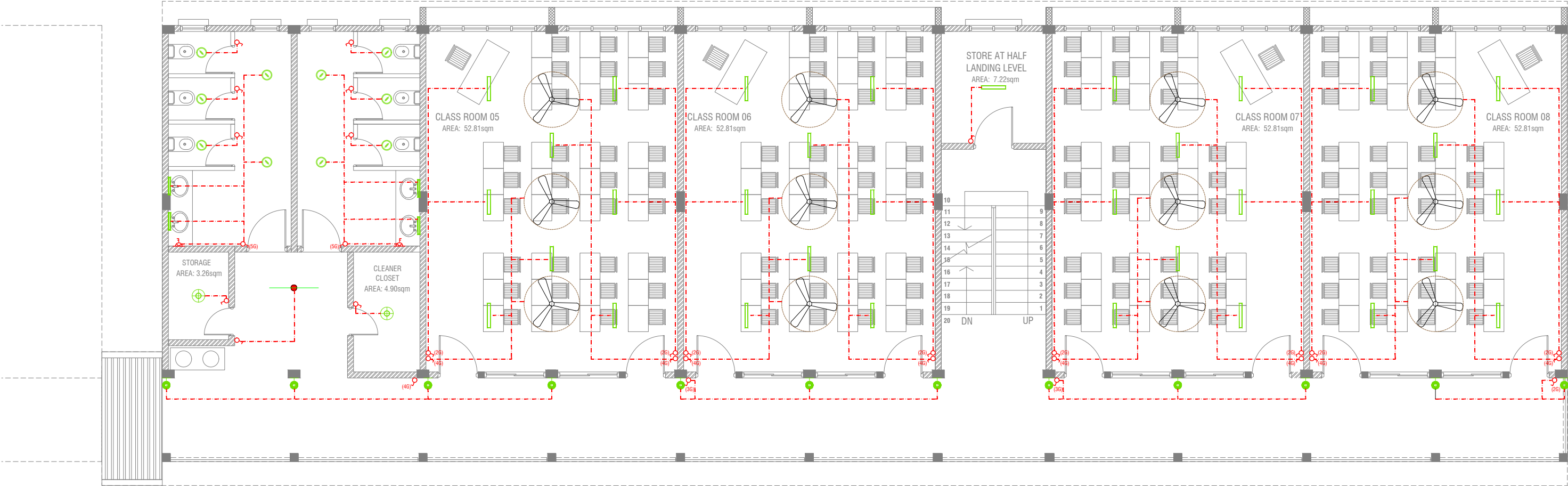
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3rd floor, H. Azum, Ameenemaggu, Male'

Title: First - Second Floor
Lighting Layout

Page: EL 02-03



THIRD FLOOR LIGHTING LAYOUT

SCALE 1:100



A.Dh.AEC, Mahibadhoo School - 16 Classroom (04 Storey)

Client: Ministry of Education

Project Number: RI/2017/012

Date: May 2019

Architect: Razana Amir

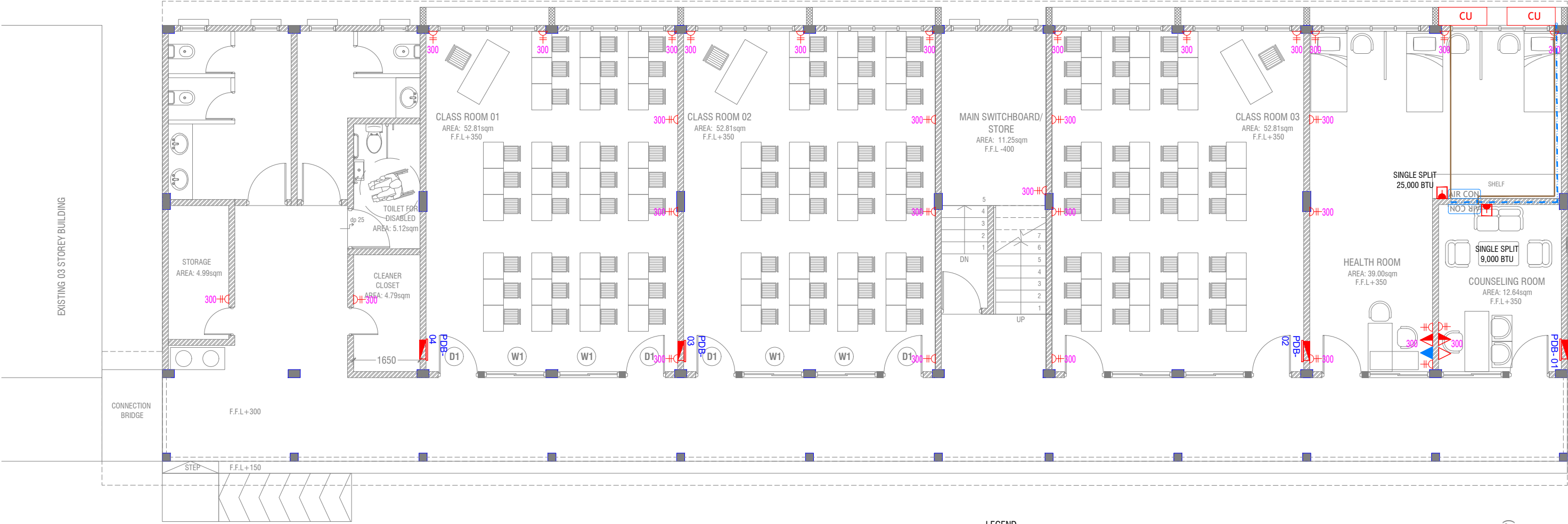
Engineer: Ahmed Zuhair Zaem

Drawn by: Aishath Mohamed Rasheed

Services: Aishath Ahmed

Interior: -

Rev no	Date
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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

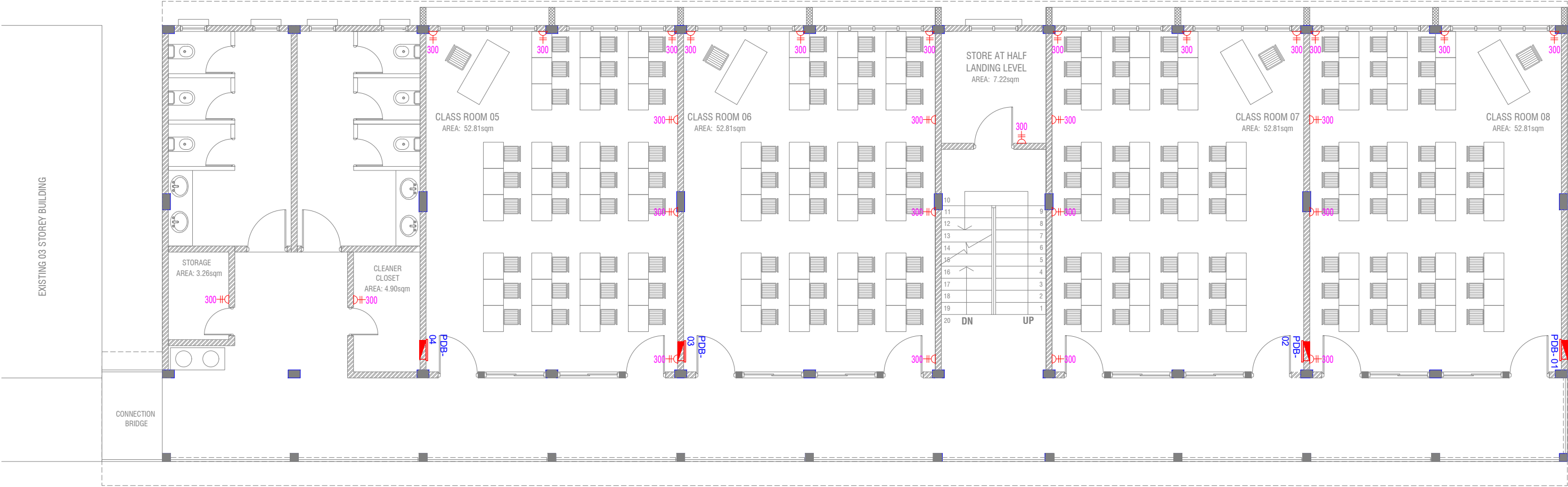
ALL ELECTRICAL COMPONENT TO BE CONNECTED TO THEIR RESPECTIVE DB

A.Dh.AEC, Mahibadhoo School - 16 Classroom (04 Storey)

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Services: Aishath Ahmed
Interior: -



FIRST - SECOND FLOOR POWER LAYOUT

SCALE 1:100



LEGEND

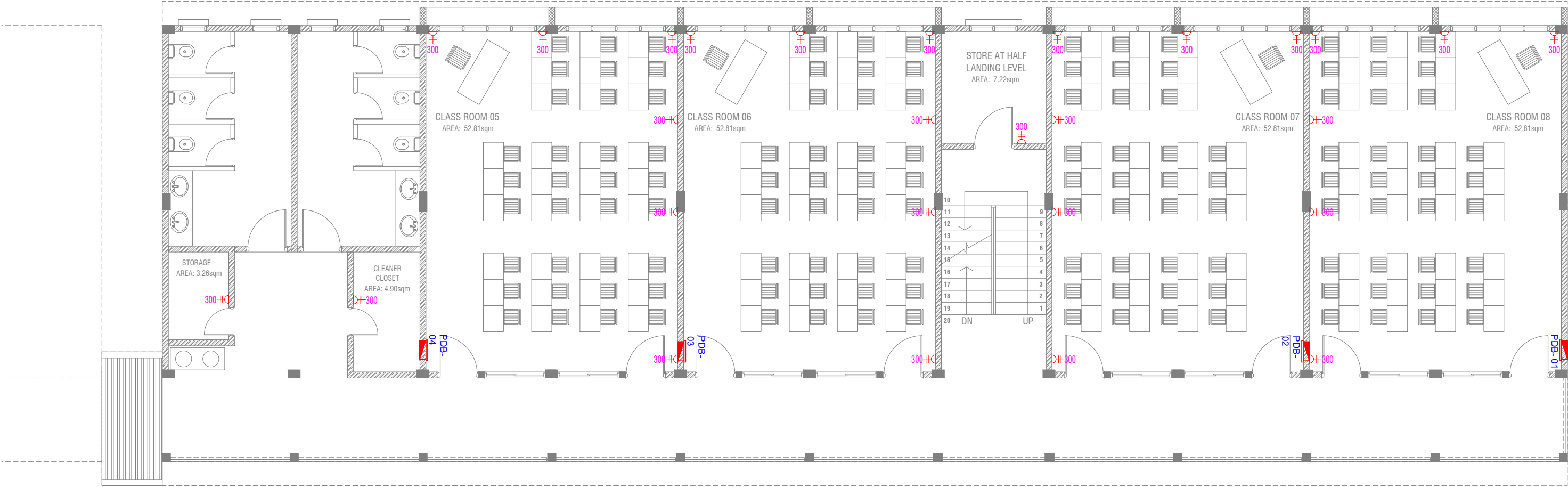
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- COMPUTER NETWORK OUTLET (RJ 45 CONNECTORS)
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- 13A POWER OUTLET
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- TPN ISOLATOR
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- DISTRIBUTION BOX
- 15A.SWITCHED/ SPUR UNIT @ H.L.
- TWO GANG TV/SAT SOCKET OUTLET

HL. HIGH LEVEL
WPE WEATHER PROOF POLYCARBONATE ENCLOSURE

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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
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