

Proposed 09 Classroom at
L.Maavashu School
(03 Storey)

SERVICES DRAWINGS
Client: Ministry of Education

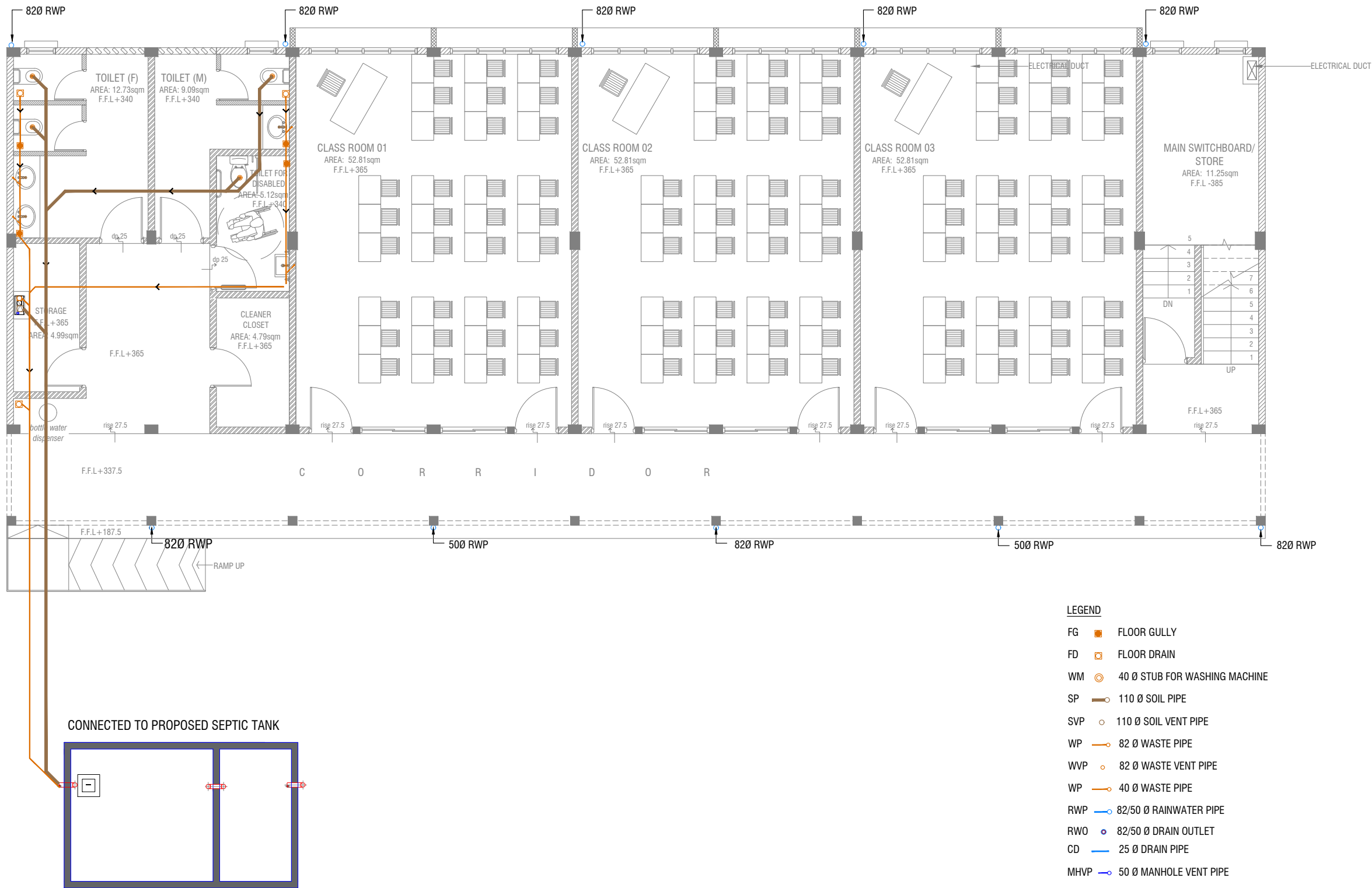


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3rd floor, H. Azum, Arneeneemagu, Male'

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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.

L. Maavashu School 9 Classroom Block (3 story)
Client: Ministry of Education

Project Number: RI/2020/006

Date: January 2021

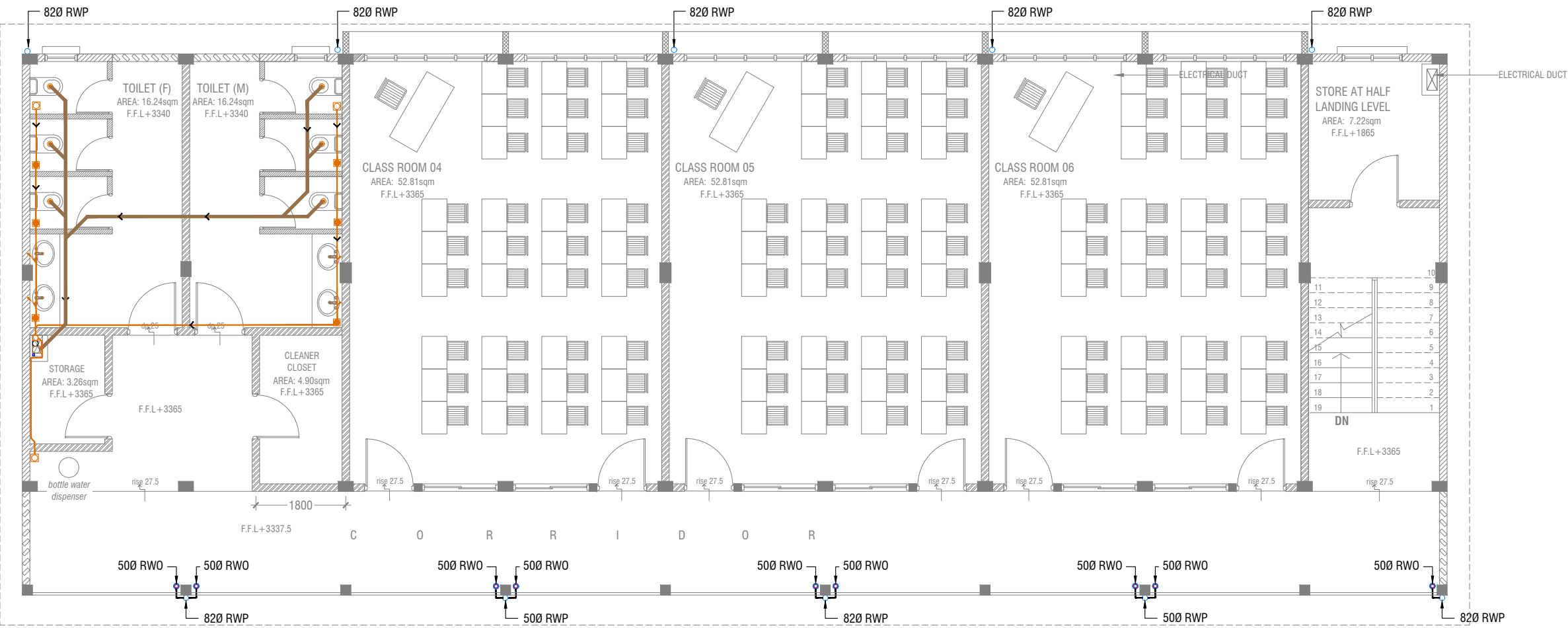
Architect: Maryam Irasha Shareef
Engineer: Mohamed Muthalib Waleed
Drawn by: Maryam Leevan Jaleel
Services: Aishath Ahmed

Rev no	Date
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Title: Ground Floor
Drainage Layout
Page: DR 01-03



FIRST & SECOND 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 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.

L.Maavashu School 9 Classroom Block (3 story)
Client: Ministry of Education

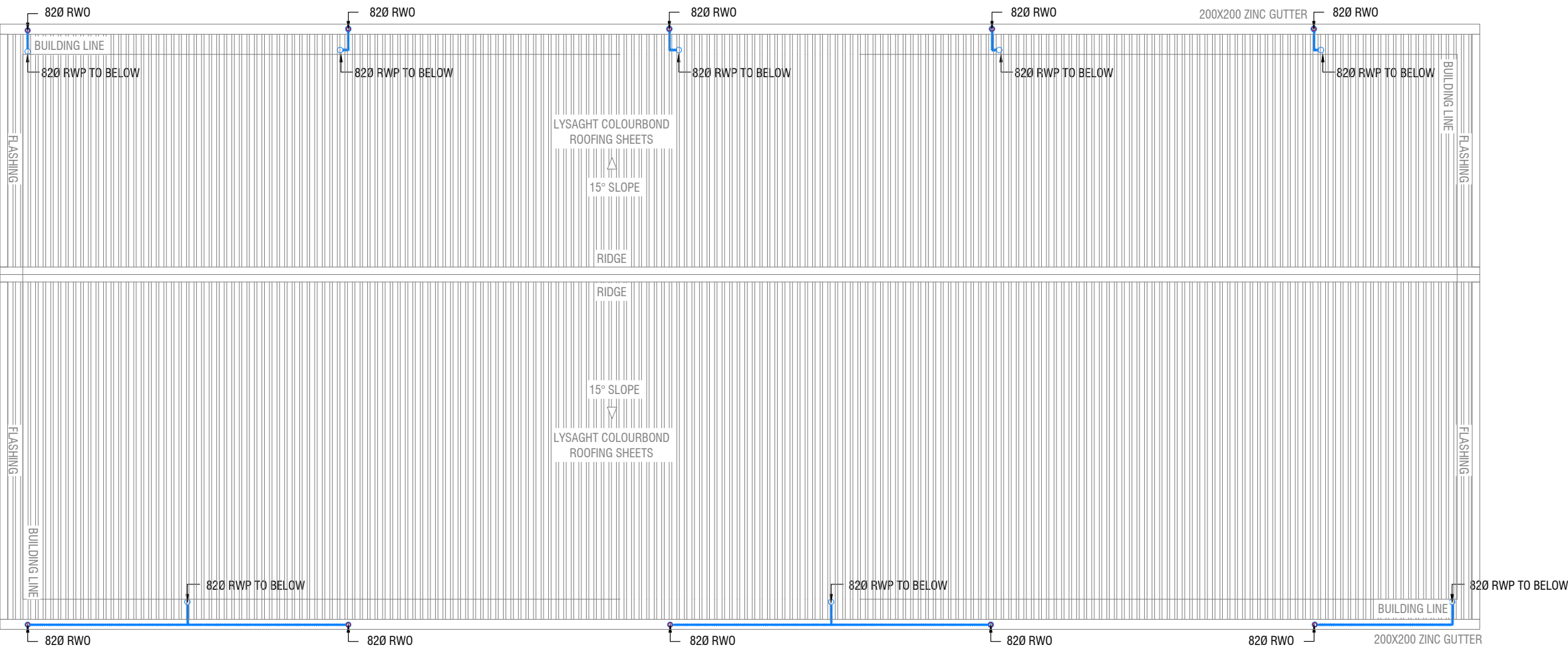
Project Number: RI/2020/006
Date: January 2021

Architect: Maryam Irasha Shareef
Engineer: Mohamed Muthalib Valeed
Drawn by: Maryam Leevan Jaleel
Services: Aishath Ahmed
Interior: -

Rev no	Date
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ROOF DRAINAGE LAYOUT

SCALE 1:100



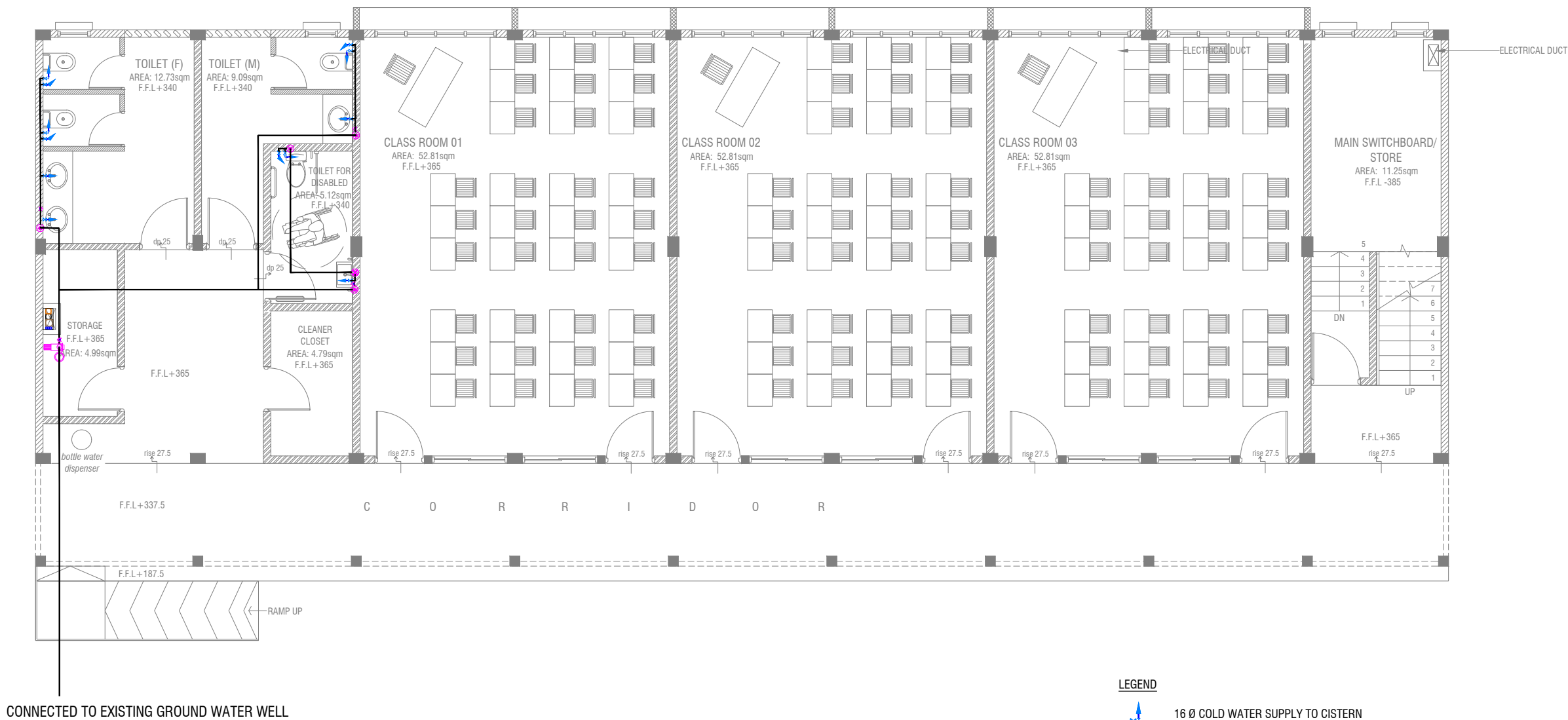
LEGEND

- 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

L.Maavashu School 9 Classroom Block (3 story)

Client: Ministry of Education

Project Number: RI/2020/006	Rev no	Date
Date: January 2021	--	-----
Architect: Maryam Irasha Shareef	--	-----
Engineer: Mohamed Muthalib Waleed	--	-----
Drawn by: Maryam Leevan Jaleel	--	-----
Services: Aishath Ahmed	--	-----
Interior: -	--	-----



GROUND FLOOR PLUMBING LAYOUT

SCALE 1:100

LEGEND

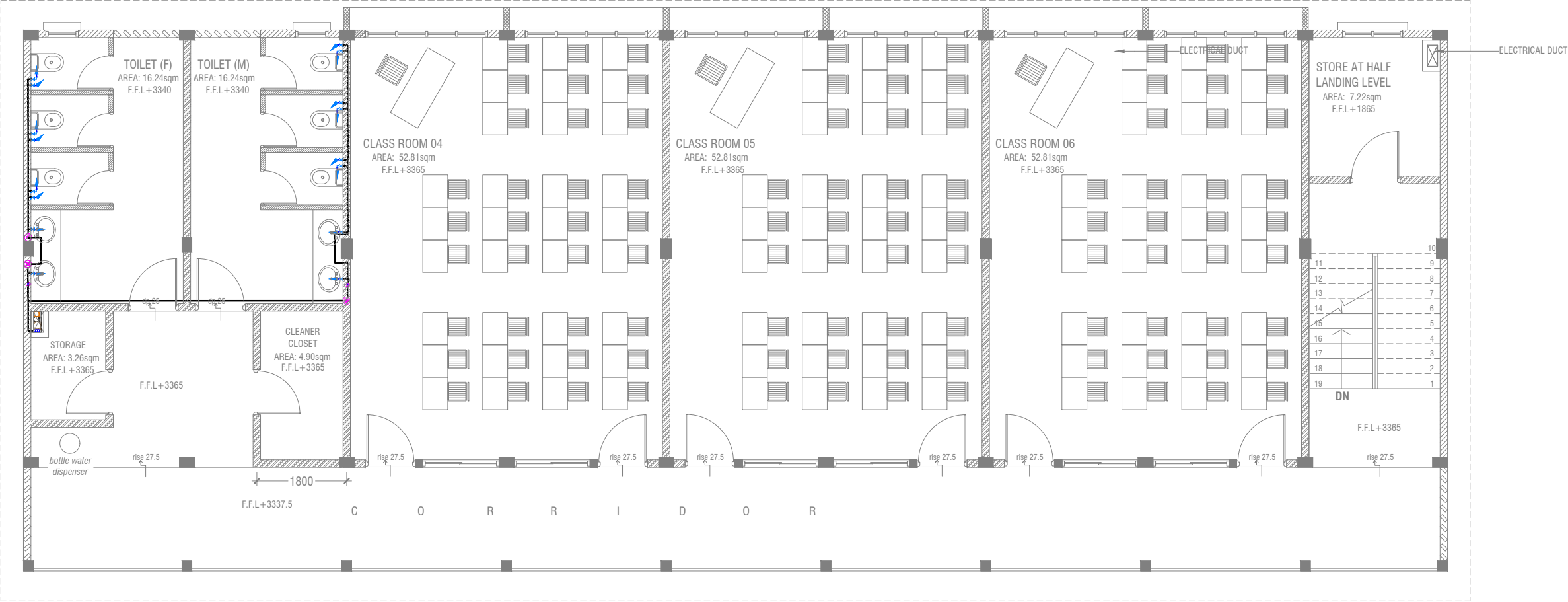
- 16 Ø COLD WATER SUPPLY TO CISTERN
- 16 Ø COLD WATER SUPPLY TO BIDET SHOWER
- 16 Ø COLD WATER SUPPLY TO BASIN FAUCET / SINK
- GV GATE VALVE
- 25 Ø COLD WATER SUPPLY PIPES RUN UNDERGROUND
- 25 Ø COLD WATER SUPPLY PIPES RUN IN WALL / UNDER FALSE CEILING
- RISE IN WALL
- DROP IN WALL
- CWS COLD WATER SUPPLY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

L. Maavashu School 9 Classroom Block (3 story)
Client: Ministry of Education

Rev no	Date
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Project Number: RI/2020/006
Date: January 2021
Architect: Maryam Trasha Shareef
Engineer: Mohamed Muthalib Waleed
Drawn by: Maryam Leevan Jaleel
Services: Aishath Ahmed
Interior: -



FIRST & SECOND FLOOR PLUMBING LAYOUT



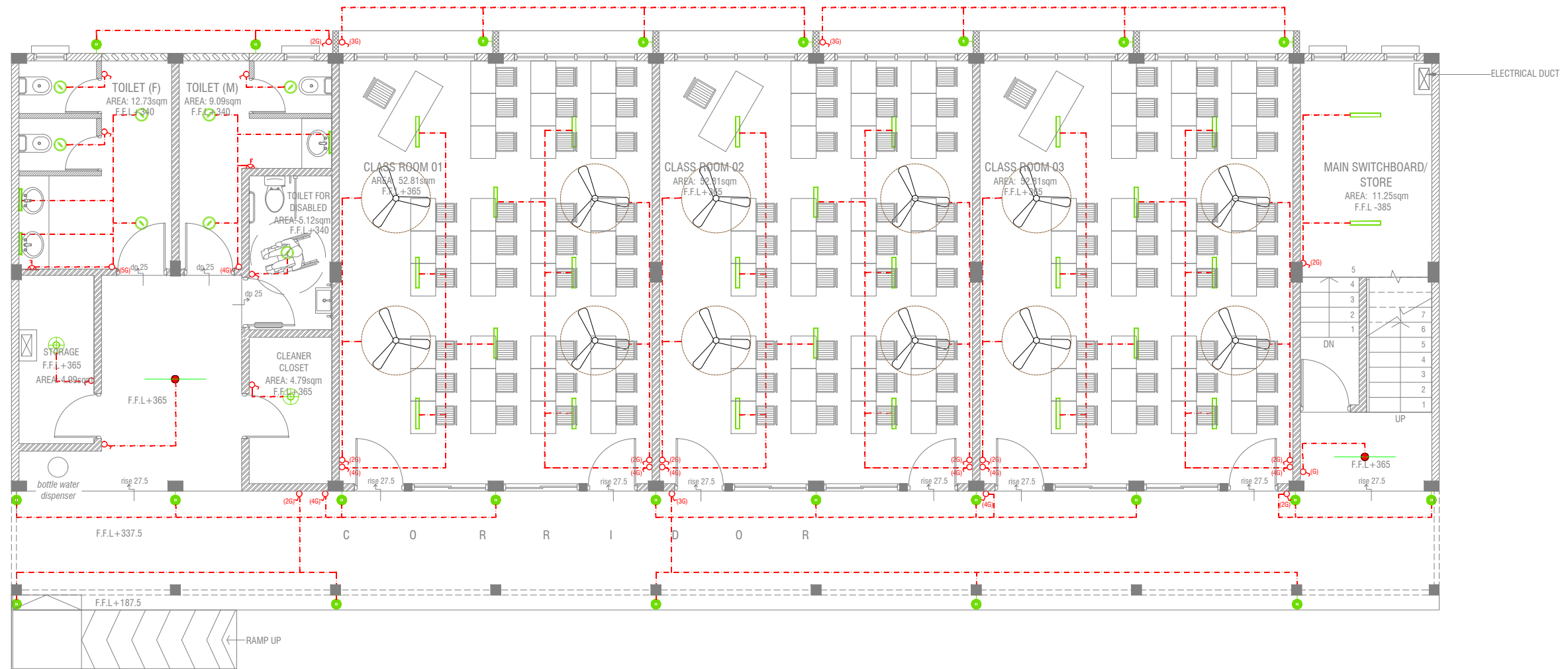
- LEGEND**
- 16 Ø COLD WATER SUPPLY TO CISTERN
 - 16 Ø COLD WATER SUPPLY TO BIDET SHOWER
 - 16 Ø COLD WATER SUPPLY TO BASIN FAUCET / SINK
 - GV GATE VALVE
 - 25 Ø COLD WATER SUPPLY PIPES RUN UNDERGROUND
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 - CWS COLD WATER SUPPLY
 - HWS HOT WATER SUPPLY
 - GROUND WATER SUPPLY

L. Maavashu School 9 Classroom Block (3 story)
Client: Ministry of Education

Project Number: RI/2020/006
Date: January 2021

Architect: Maryam Irasha Shareef
Engineer: Mohamed Muthalib Waleed
Drawn by: Maryam Leevan Jaleel
Services: Aishath Ahmed Interior

Rev no	Date
1	
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GROUND FLOOR LIGHTING LAYOUT

SCALE 1:100



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



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

L. Maavashu School 9 Classroom Block (3 story)
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Services: Aishath Ahmed
Interior: -

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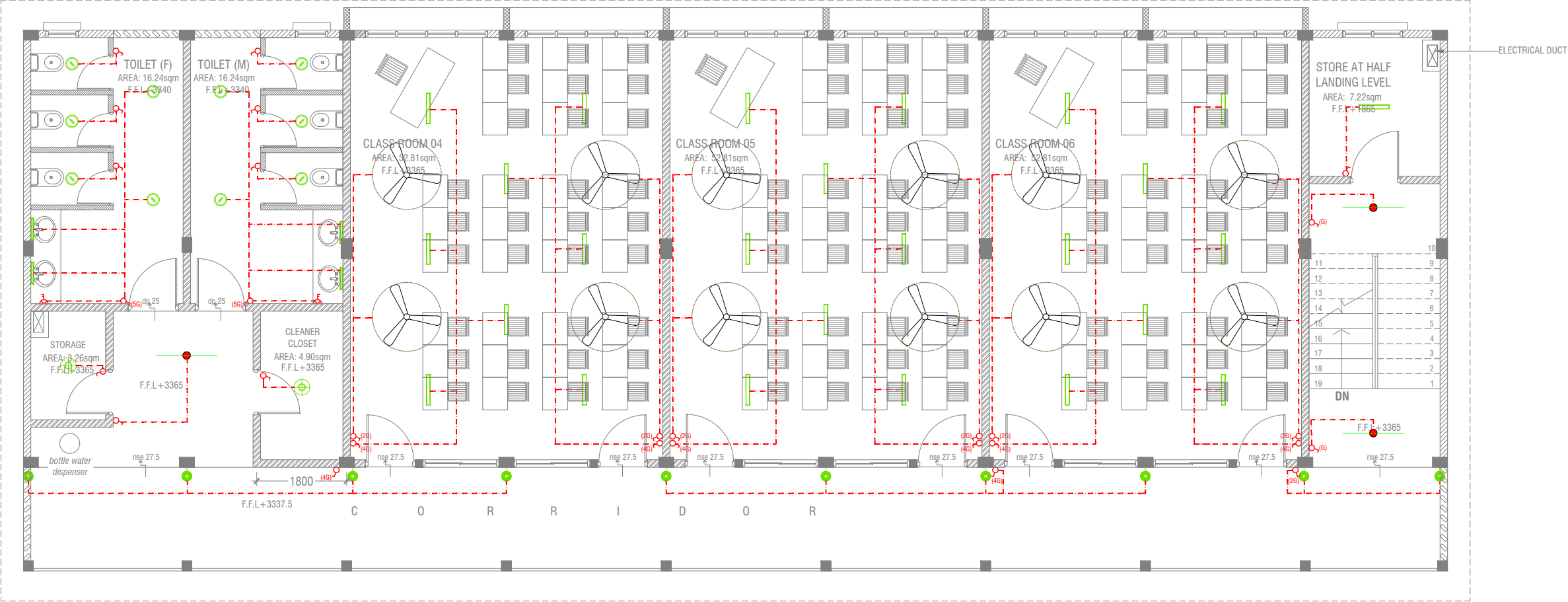


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Title: Ground Floor
Lighting Layout

Page: EL 01-02



FIRST & SECOND 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:

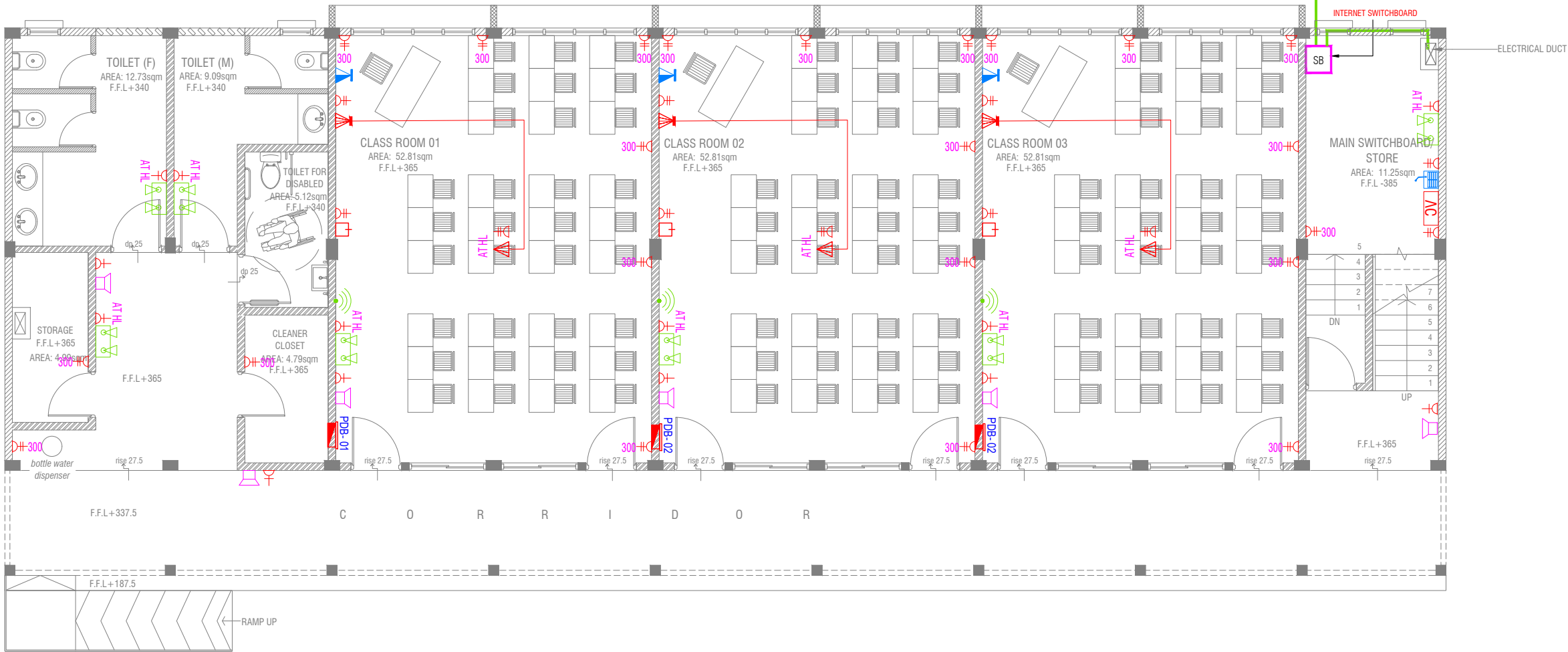
- ALL WIRING TO BE OF STELCO APPROVED STANDARDS
- SWITCH CONTROL = 1200MM FROM FLOOR FIN. LEVEL
- ALL LIGHTING POINTS CONNECTED TO THEIR RESPECTIVE DB
- POLYCARBONATE ENCLOSURE TO ALL SWITCH AND SOCKET WHICH ARE LOCATED AT THE OUTDOORS

L.Maavashu School 9 Classroom Block (3 story)
Client: Ministry of Education

Rev no	Date
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Project Number: RI/2020/006
Date: January 2021
Architect: Maryam Irsha Shareef
Engineer: Mohamed Muthalib Waleed
Drawn By: Maryam Leevan Jaleel
Services: Aishath Ahmed
Interior: -

PVC DUCT FOR DATA CABLE LEAD IN BELOW GR.SLAB



GROUND FLOOR POWER LAYOUT

SCALE 1:100



NOTE:

1. ALL WIRING TO BE OF APPROVED STANDARDS
2. POWER/IT/COMPUTER SOCKETS = 300MM - 450MM FROM FLOOR FIN. LEVEL
3. SWITCH CONTROL / SOCKET = 1100MM - 1200MM FROM FLOOR FIN. LEVEL
4. KITCHEN SOCKETS / PANTRY SOCKETS = 1150MM - 1250MM FROM FLOOR FIN. LEVEL
5. 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

L. Maavashu School 9 Classroom Block (3 story)
Client: Ministry of Education

Project Number: RI/2020/006

Date: January 2021

Architect: Maryam Irasha Shareef
Engineer: Mohamed Muthalib Waleed
Drawn by: Maryam Leevan Jaleel
Services: Aishath Ahmed
Interior: -

Rev no

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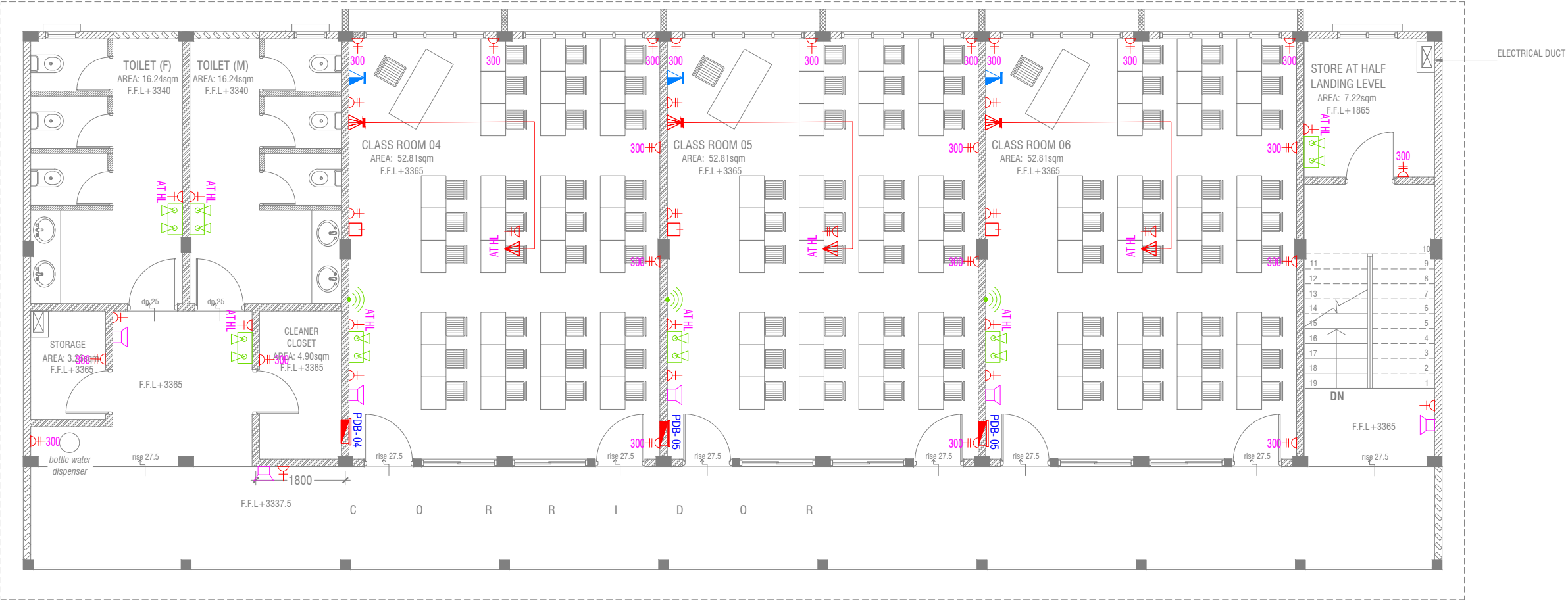
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FIRST & SECOND FLOOR POWER LAYOUT



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

LEGEND

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- DISTRIBUTION BOX
- SPEAKERS
- HDMI,VGA & RAC AV TWIN SOCKET
- TWIN COMPUTER NETWORK OUTLET
- DATA POINT

- PAGING MIC
- VOLUME CONTROLLER
- EMERGENCY LIGHT

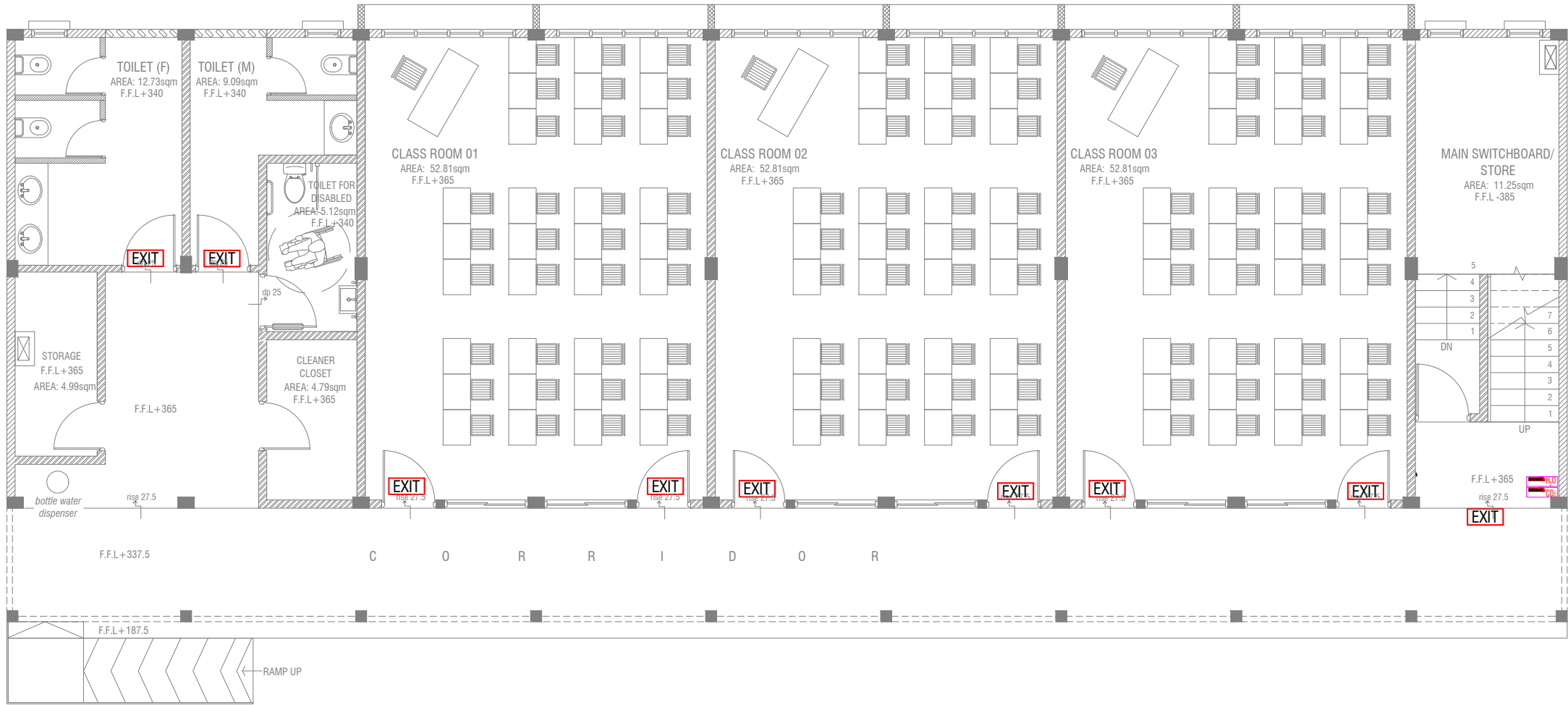
ALL ELECTRICAL COMPONENT TO BE CONNECTED TO THEIR RESPECTIVE DB

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

L.Maavashu School 9 Classroom Block (3 story)
Client: Ministry of Education

Rev no	Date
1	
2	
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4	




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



GROUND FLOOR FDP LAYOUT



LEGEND

-  EXIT SIGN
-  CO₂ EXTINGUISHER (LOAD: 2KG) IN POLYCARBONATE ENCLOSURE(TYP.)
-  H₂O 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/BRACKET 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

L.Maavashu School 9 Classroom Block (3 story)
Client: Ministry of Education

Rev no	Date
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Project Number: RI/2020/006
Date: January 2021
Architect : Maryam Irasha Shareef
Engineer : Mohamed Muthalib Waleed
Drawn by : Maryam Leevan Jaleel
Interior : -

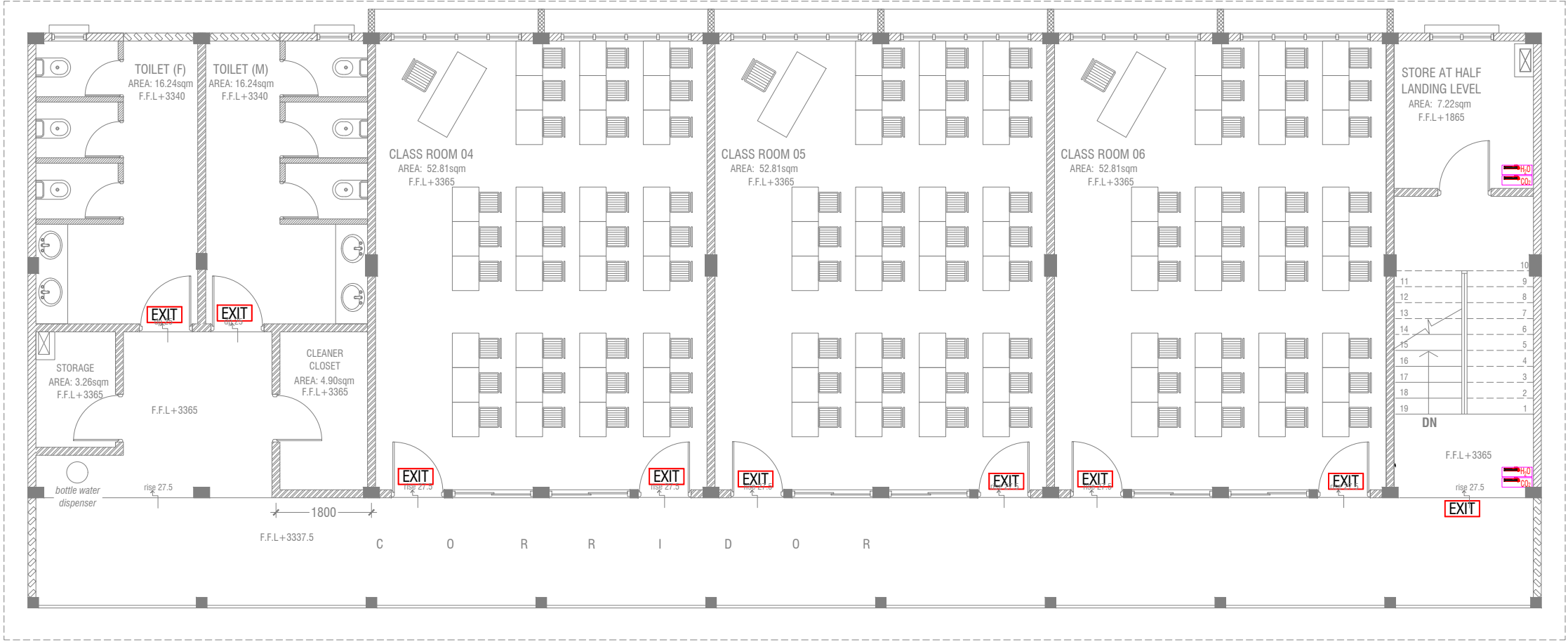


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Title: Ground Floor
FDP Layout
Page: FDP 01-02

FIRST & SECOND FLOOR FDP LAYOUT

SCALE 1:100



LEGEND



EXIT SIGN



CO₂ EXTINGUISHER (LOAD: 2KG) IN POLYCARBONATE ENCLOSURE(TYP.)



H₂O EXTINGUISHER (LOAD: 9L) IN POLYCARBONATE ENCLOSURE(TYP.)

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

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- 3. ALL SUPPORT/BACKET 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.
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Project Number: RI/2020/006	Rev no	Date
Date: January 2021	-	-
Architect : Mariyam Irasha Shareef	-	-
Engineer : Mohamed Muththailb Waleed	-	-
Drawn by : Mariyam Leevan Jaleel	-	-
Services : Aishath Ahmed	-	-
Interior : -	-	-



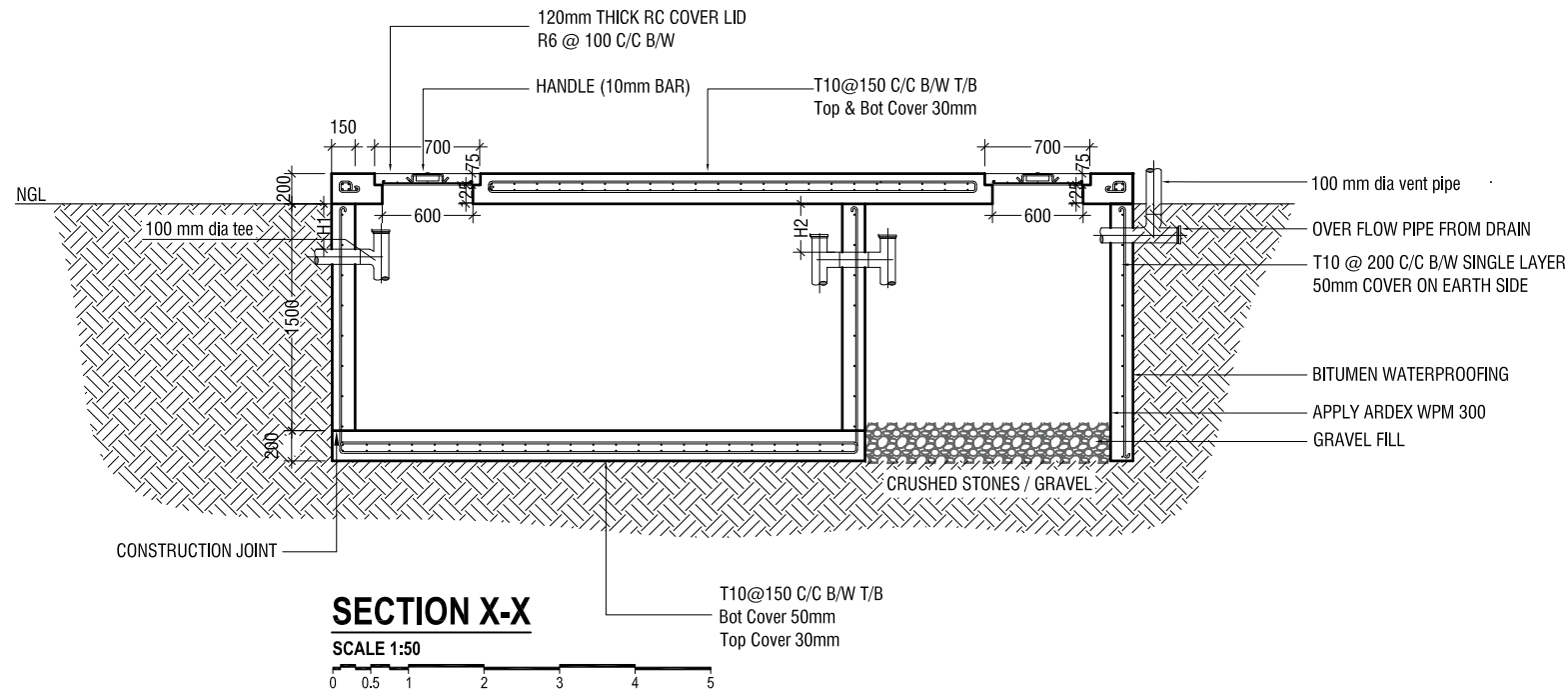
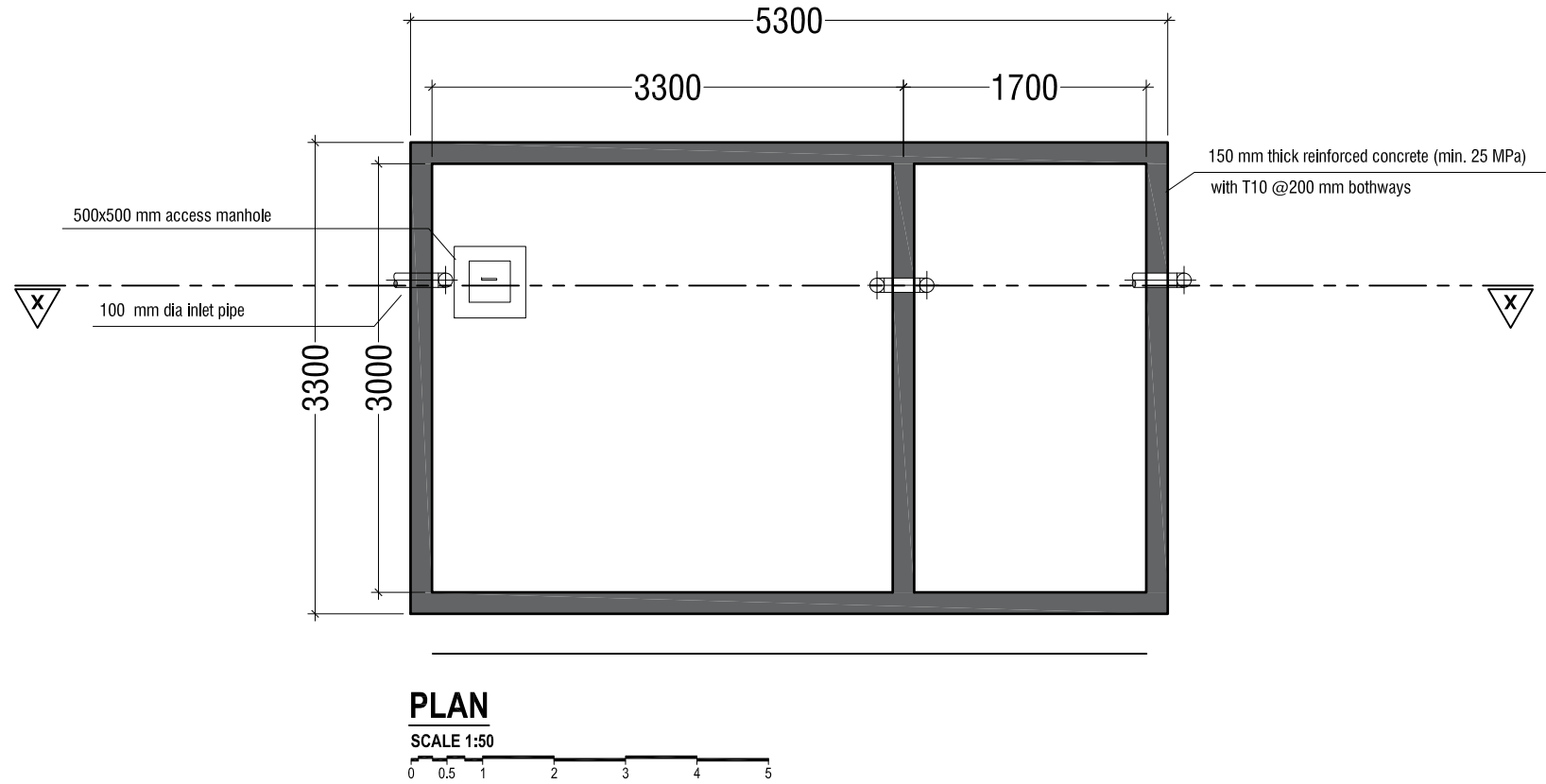
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Title: First & Second Floor
FDP Layout

Page: FDP 02-02

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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

0 0.5 1 2 3 4 5

L.Maavashu School 9 Classroom Block (3 story)
Client: Ministry of Education

Rev no	Date
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Project Number: RI/2020/006
Date: January 2021
Architect : Mariyam Irasha Shareef
Engineer : Mohamed Muththaliq Waleed
Drawn by : Mariyam Leevan Jaleel
Services : Alshahin Ahmed
Interior : -



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Title: Septic Tank Detail

Page: DETAIL 01-01

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