

Proposed (7 Classroom, Science Lab, AV room, Library & Computer Room) at
Th.Veymandhoo School

SERVICES DRAWINGS
Client: Ministry of Education

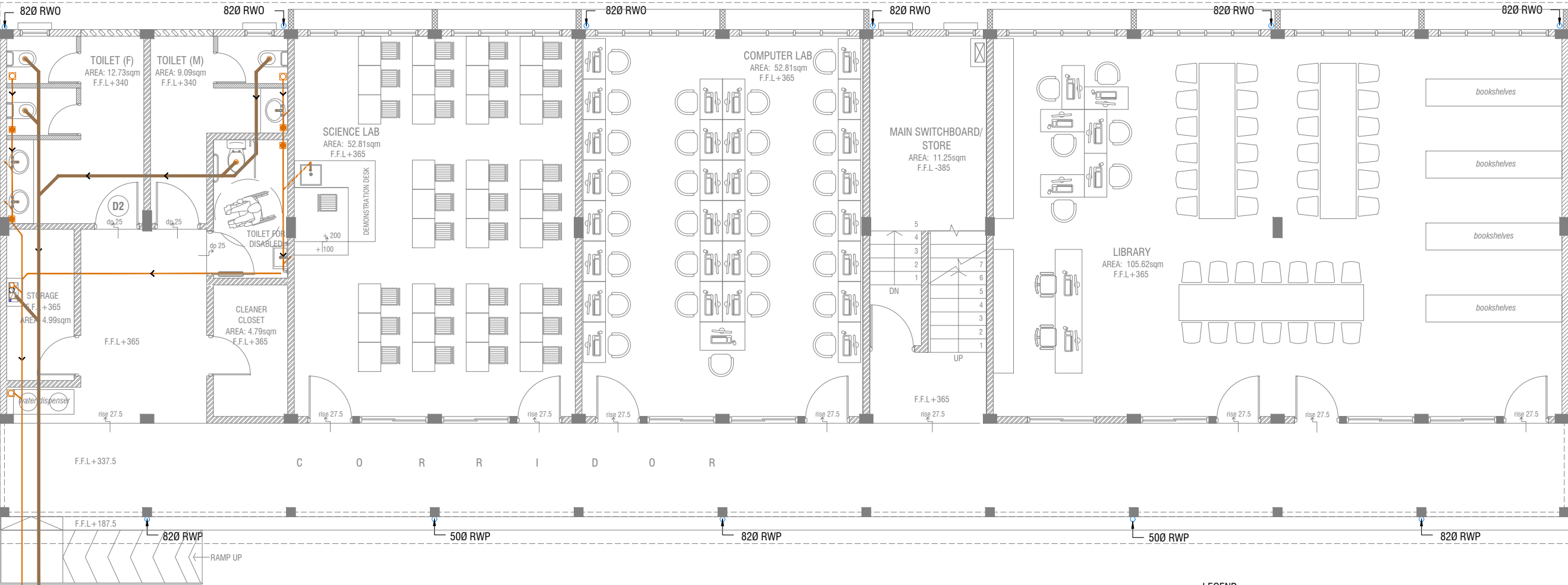


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e: info@riyan.com.mv
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3rd floor, H. Azum, Ameeleemagu, Male'

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CONNECT TO EXISTING SEPTIC TANK (TEMPORARY) AND
LATER TO SEWER LINE AFTER IT'S CONSTRUCTION IS
COMPLETED
(TO PROVIDE A 'Y' JOINT)

- 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.

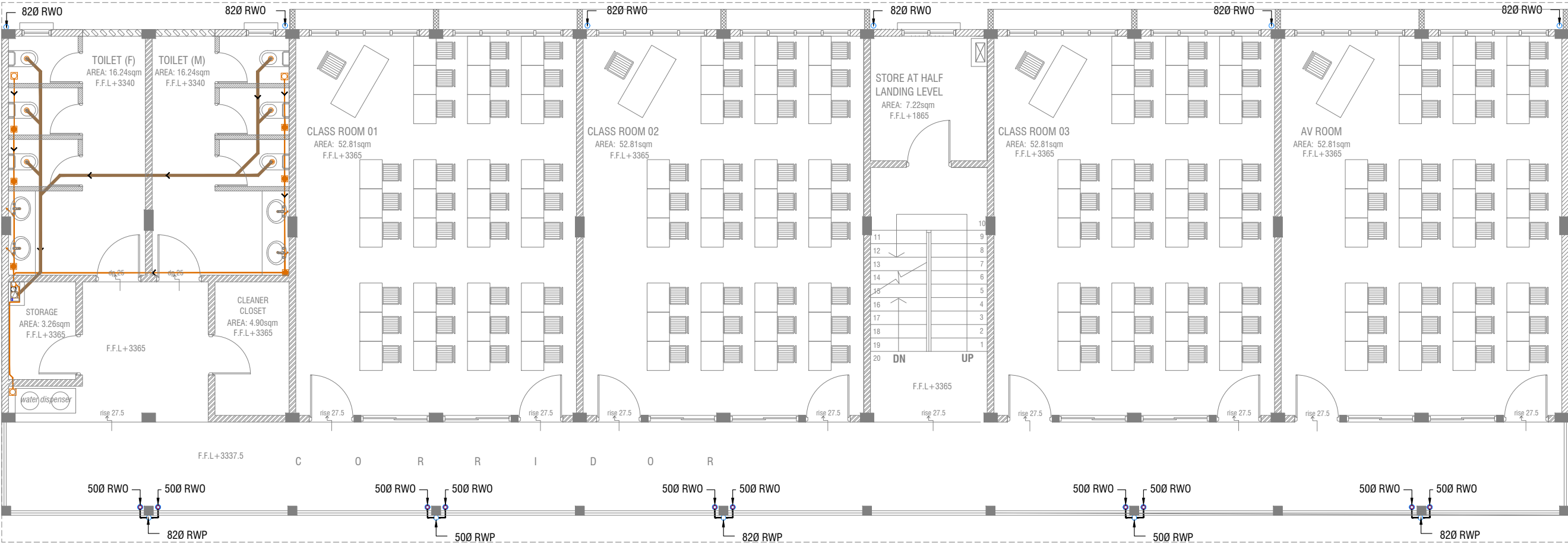
GROUND FLOOR DRAINAGE LAYOUT



Th.Veymandhoo School - 12 (7 Classroom,
Science Lab, AV room, Library & Computer
Room) (03 Storey)
Client: Ministry of Education

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

Rev no	Date
-	-
-	-
-	-
-	-



LEGEND

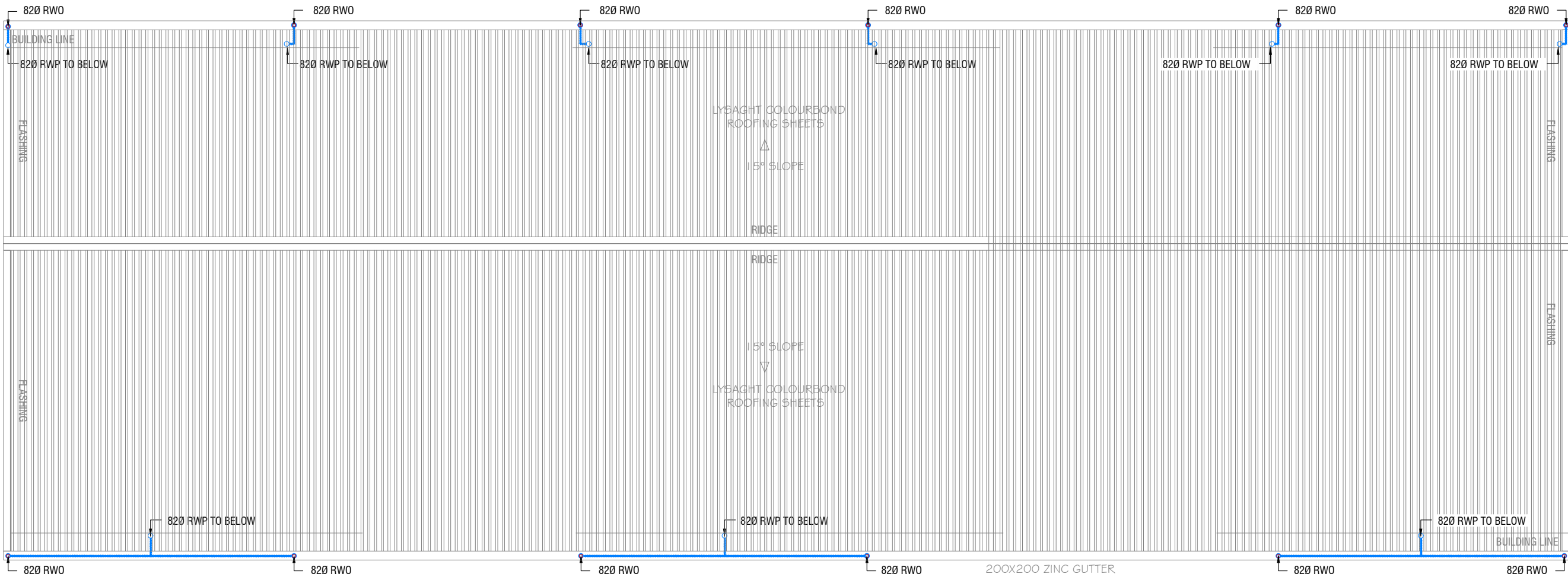
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- FD FLOOR DRAIN
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- RWP 82/50 Ø RAINWATER PIPE
- RWO 82/50 Ø DRAIN OUTLET
- CD 25 Ø DRAIN PIPE
- MHVP 50 Ø MANHOLE VENT PIPE













NOTE:
- ALL SOIL AND WASTE PIPES TO BE UNDER THE SLAB LEVEL.

FIRST - SECOND FLOOR DRAINAGE LAYOUT




Th.Veymandhoo School - 12 (7 Classroom, Science Lab, AV room, Library & Computer Room) (03 Storey)
Client: Ministry of Education
Project Number: RI/2020/006
Date: February 2021
Architect: Maryam Trasha Shareef
Engineer: Mohamed Muthalib Waleed
Drawn by: Maryam Leevan Jaleel
Services: Aishath Ahmed
Interior: -



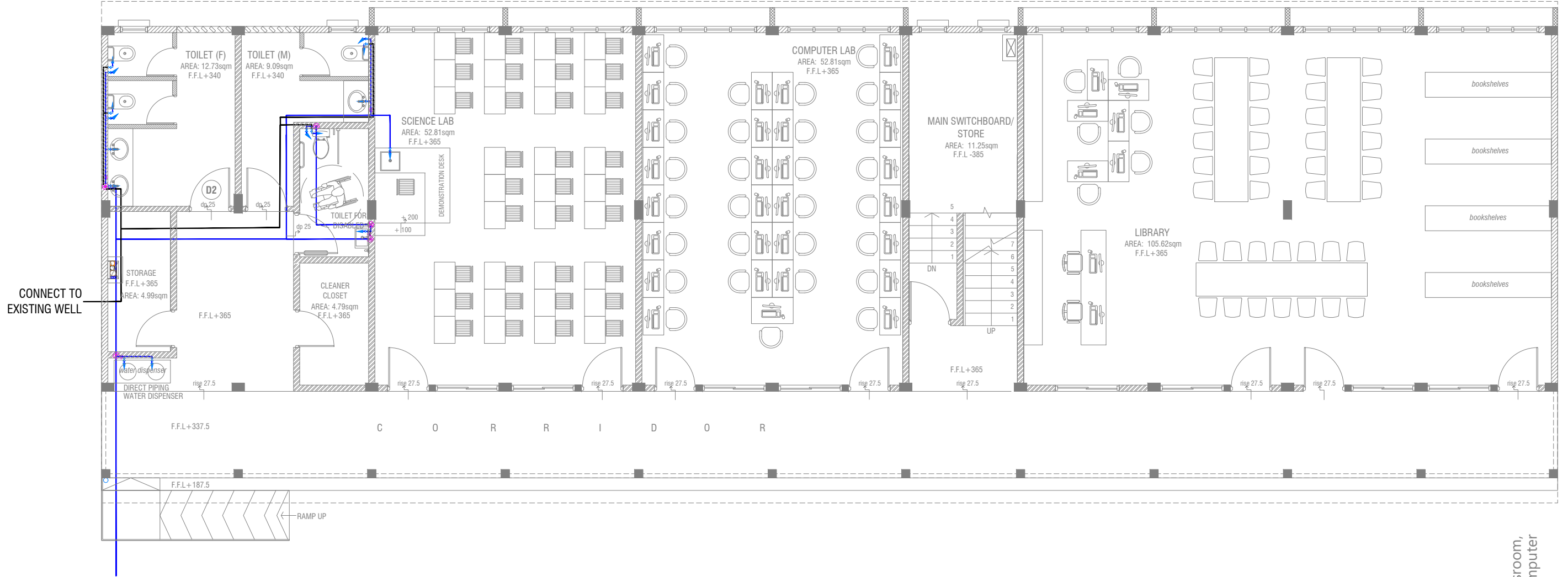
- LEGEND**
- FG  FLOOR GULLY
 - FD  FLOOR DRAIN
 - WM  40 Ø STUB FOR WASHING MACHINE
 - SP  110 Ø SOIL PIPE
 - SVP  110 Ø SOIL VENT PIPE
 - WP  82 Ø WASTE PIPE
 - WVP  82 Ø WASTE VENT PIPE
 - WP  40 Ø WASTE PIPE
 - RWP  82/50 Ø RAINWATER PIPE
 - RWO  82/50 Ø DRAIN OUTLET
 - CD  25 Ø DRAIN PIPE
 - MHVP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

ROOF DRAINAGE LAYOUT
SCALE 1:100



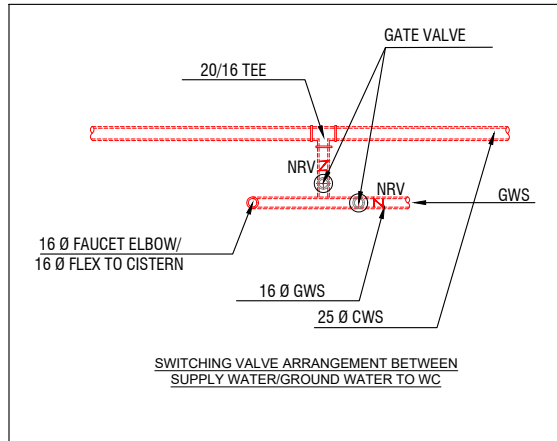
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Client: Ministry of Education

Project Number: RI/2020/006	Rev no	Date
Date: February 2021	--	-----
Architect : Mariyam Irasha Shareef	--	-----
Engineer : Mohamed Muththalib Waleed	--	-----
Drawn by : Mariyam 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

Th. Veymandhoo School - 12 (7 Classroom,
Science Lab, AV room, Library & Computer
Room) (03 Storey)
Client: Ministry of Education

Rev no	Date
1	2020/06
2	2021/02
3	2021/02
4	2021/02
5	2021/02
6	2021/02
7	2021/02
8	2021/02
9	2021/02
10	2021/02

Project Number: RI/2020/006

Date: February 2021

Architect: Maryam Irasha Shareef

Engineer: Mohamed Muthalib Waleed

Drawn by: Maryam Leevan Jaleel

Services: Aishath Ahmed

Interior: .

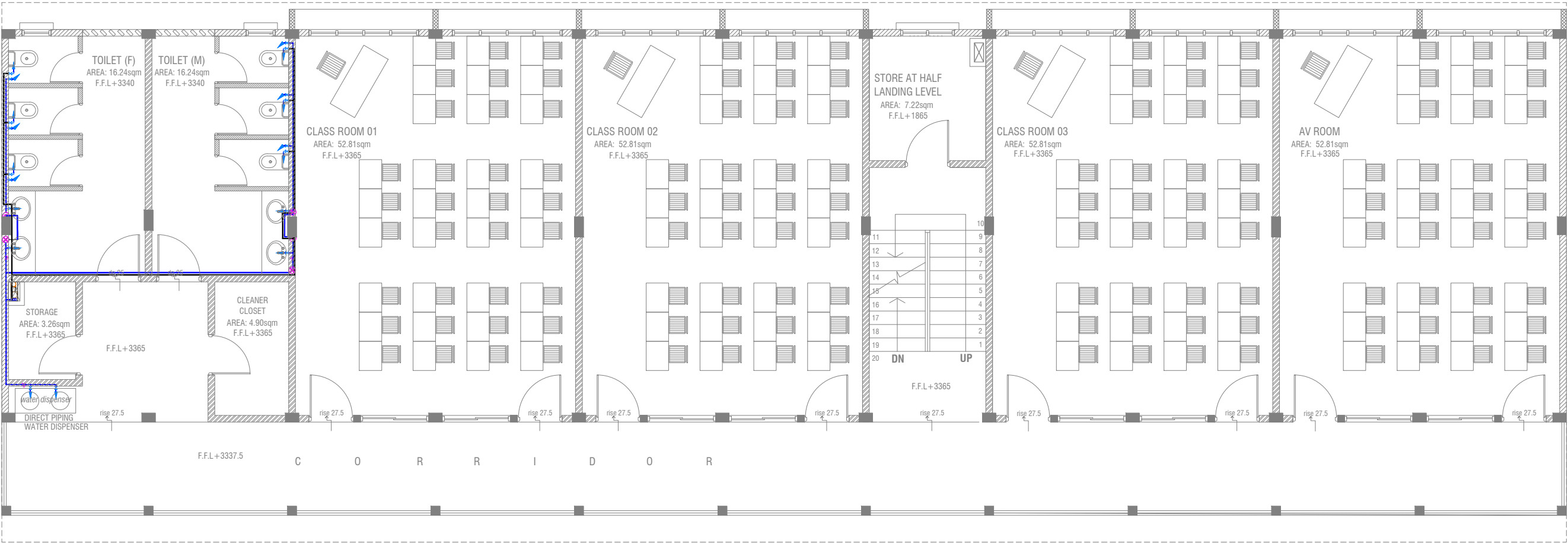


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3rd floor, H. Azum, Ameenemagau, Male'

Title: Ground Floor
Plumbing Layout

Page: PL 01-/02



FIRST - SECOND FLOOR PLUMBING LAYOUT

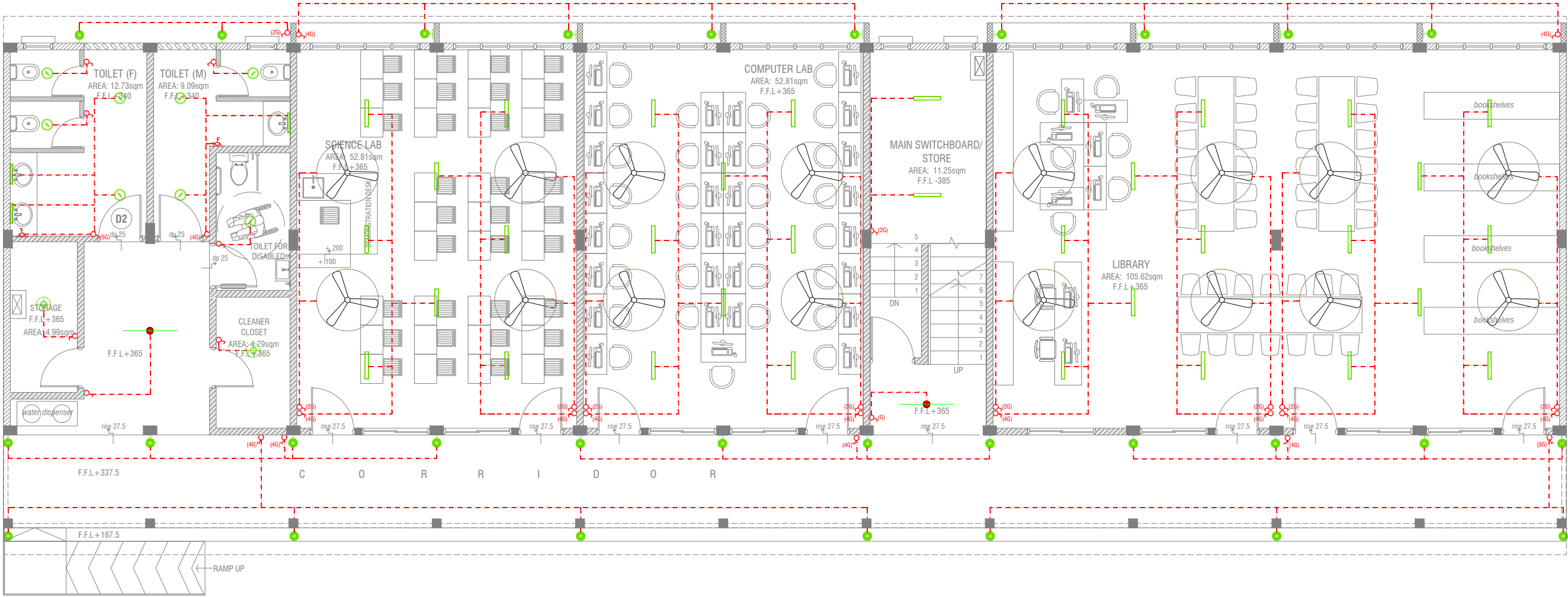


- LEGEND
- 16 Ø COLD WATER SUPPLY TO CISTERN
 - 16 Ø COLD WATER SUPPLY TO BIDET SHOWER
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 - CWS COLD WATER SUPPLY
 - HWS HOT WATER SUPPLY
 - GROUND WATER SUPPLY

Th. Veymandhoo School - 12 (7 Classroom, Science Lab, AV room, Library & Computer Room) (03 Storey)
Client: Ministry of Education

Project Number: RI/2020/006	Date: February 2021
Architect: Maryam Irasha Shareef	Engineer: Mohamed Muthalib Waleed
Drawn by: Maryam Leevan Jaleel	Services: Aishath Ahmed
Interior: :	

Rev no	Date
1	
2	
3	
4	



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

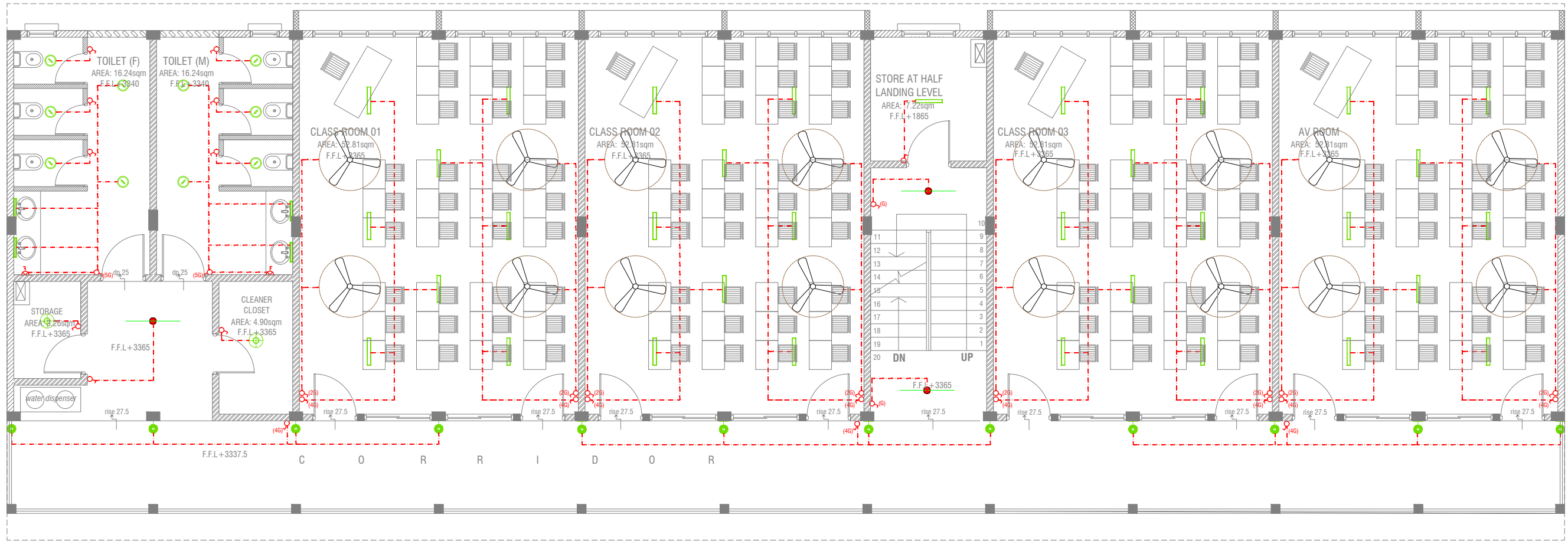


NOTE:
- ALL WIRING TO BE OF STELCO APPROVED STANDARDS
- SWITCH CONTROL = 1200MM FROM FLOOR FIN. LEVEL
-ALL LIGHTING POINTS CONNECTED TO THEIR RESPECTIVE DB
- POLYCARBONATE ENCLOSURE TO ALL SWITCH AND SOCKET WHICH ARE LOCATED AT THE OUTDOORS

Th. Veymandhoo School - 12 (7 Classroom, Science Lab, AV room, Library & Computer Room) (03 Storey)
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Rev no	Date
1	February 2021
2	
3	
4	

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



FIRST - SECOND FLOOR LIGHTING LAYOUT

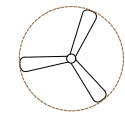
SCALE 1:100



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



CEILING FAN (52" - 54")

NOTE:

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Client: Ministry of Education

Project Number: RI/2020/006

Date: February 2021

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Drawn by : Maryam Leevan Jaleel

Services : Aishath Ahmed

Rev no

Date

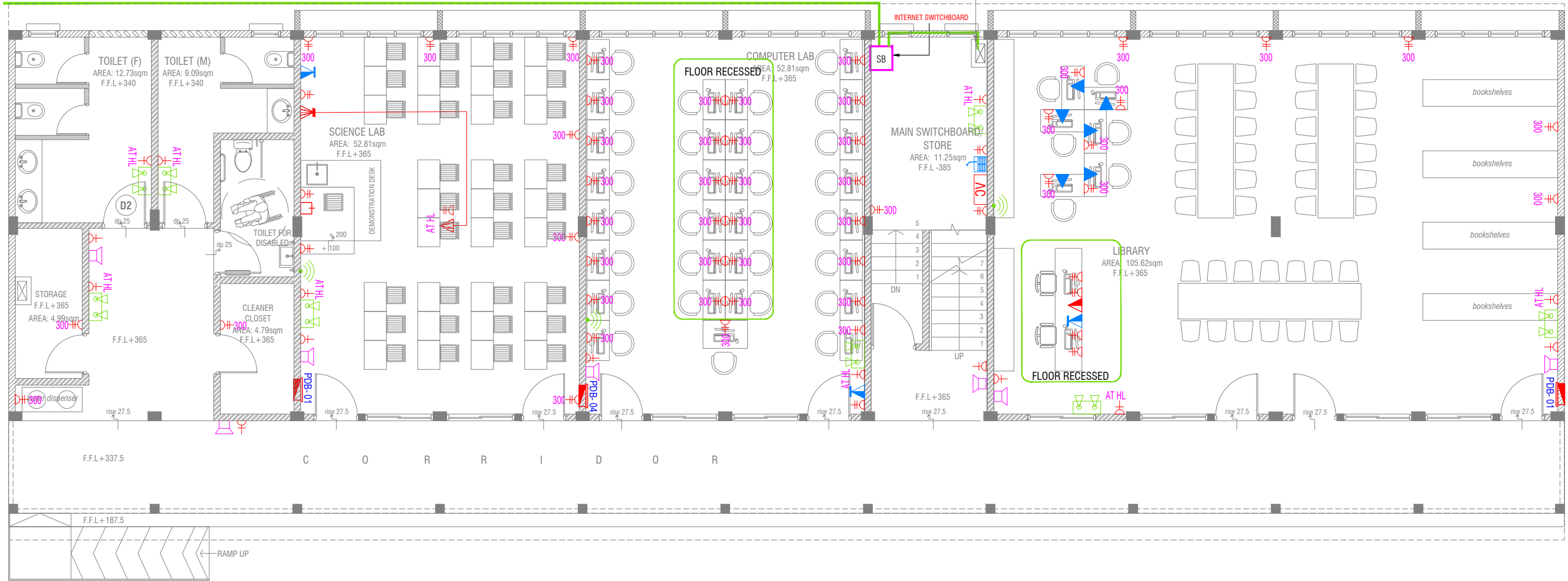
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3rd floor, H. Azum, Ameenemagu, Male'

Title: First - Second Floor Lighting Layout

Page: EL 02-02

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

Th.Veymandhoo School - 12 (7 Classroom, Science Lab, AV room, Library & Computer Room) (03 Storey)
Client: Ministry of Education

Rev no	Date
1	2020/06/06
2	2021/02/01
3	2021/02/01

Project Number: RI/2020/006
Date: February 2021
Architect : Maryam Irasha Shareef
Engineer : Mohamed Muthalib Waleed
Drawn by : Maryam Leevan Jaleel



RIYAN PRIVATE LIMU

t : +9603315049 f : +96033107
e : info@riyan.com.mv
w : www.riyan.com.mv
3rd floor, H. Azum, Ameenemaguu,



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

- PAGING MIC
- VOLUME CONTROLLER
- EMERGENCY LIGHT

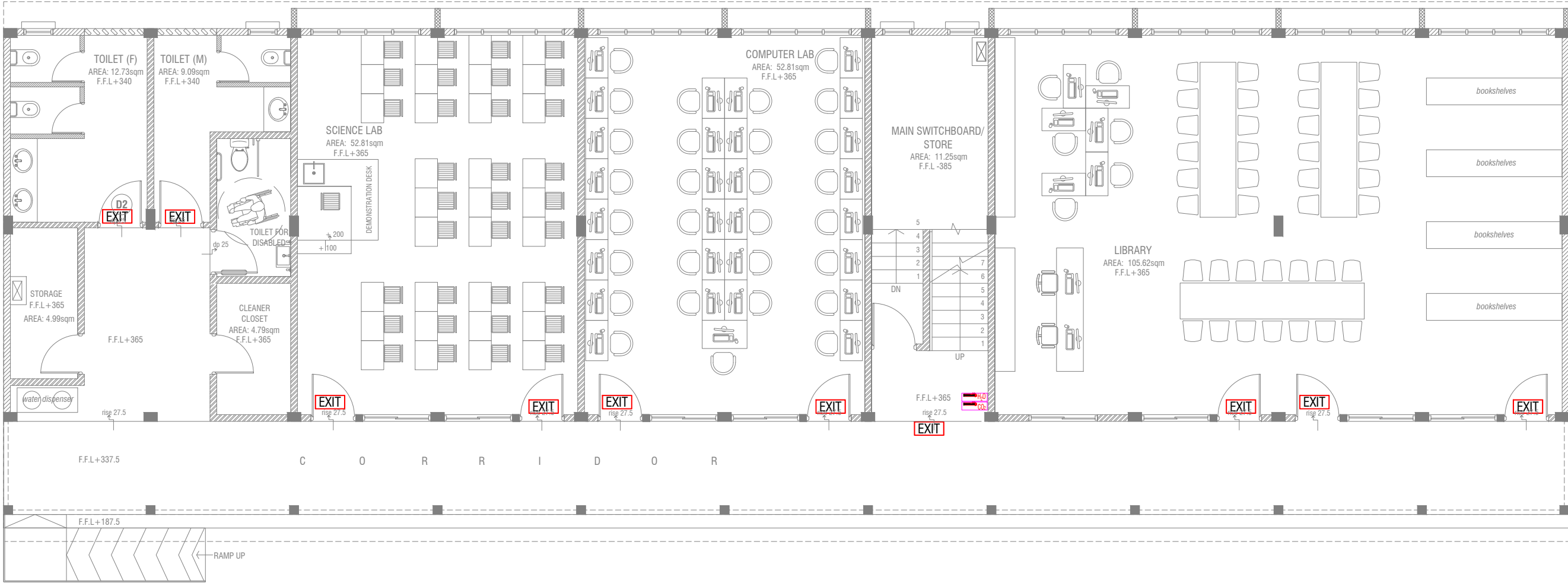
ALL ELECTRICAL COMPONENT TO BE CONNECTED TO THEIR RESPECTIVE DB

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Th. Veymandhoo School - 12 (7 Classroom, Science Lab, AV room, Library & Computer Room) (03 Storey)
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Date: February 2021
Architect : Maryam Irasha Shareef
Engineer : Mohamed Muthalib Waleed
Drawn by : Maryam Leevan Jaleel
Services : Aishath Ahmed
Interior : -

Rev no	Date
-	-
-	-
-	-
-	-



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)

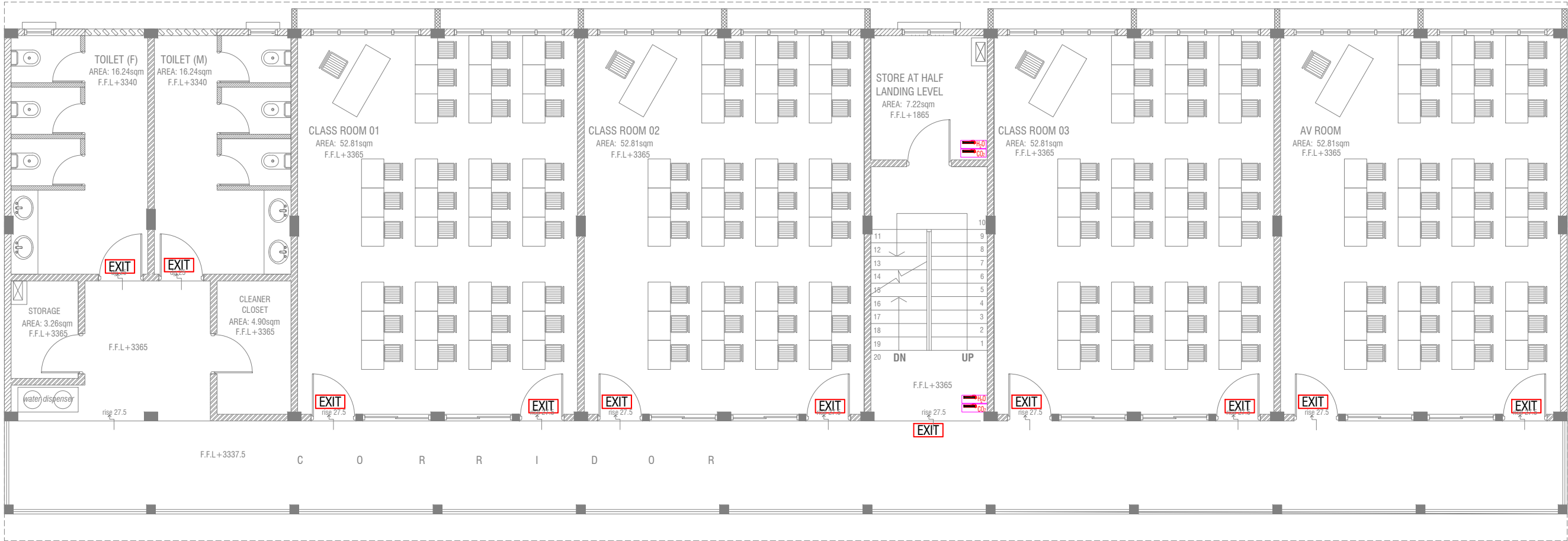
- 1.ALL PIPES SHOULD BE GALVANIZED,SCHEDULE 40.
- 2. ALL PIPE SHALL BE PAINTED IN RED AS PER REGULATION.
- 3. ALL SUPPORT/BRAKET SHALL BE HOT DIPPED GALVANIZED TO 100MM
- 4.ALL FIRE EXTINGUISHER INSIDE CABINETS. (CABINET SHOULD BE PROVIDED)

-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

Th.Veymandhoo School - 12 (7 Classroom, Science Lab, AV room, Library & Computer Room) (03 Storey)
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Rev no	Date
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Architect : Mariyam Irasha Shareef
Engineer : Mohamed Muththalib Waleed
Drawn by : Mariyam Leean Jaleel
Services : Alstath Alimed Interior :-



FIRST - SECOND FLOOR FDP LAYOUT



LEGEND

- EXIT SIGN
- CO₂ EXTINGUISHER (LOAD: 2KG) IN POLYCARBONATE ENCLOSURE(TYP.)
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Title: First - Second Floor FDP Layout

Page: FDP 02-02

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