

Proposed 12 Classroom at
AA.Mathiveri School
(03 Storey)

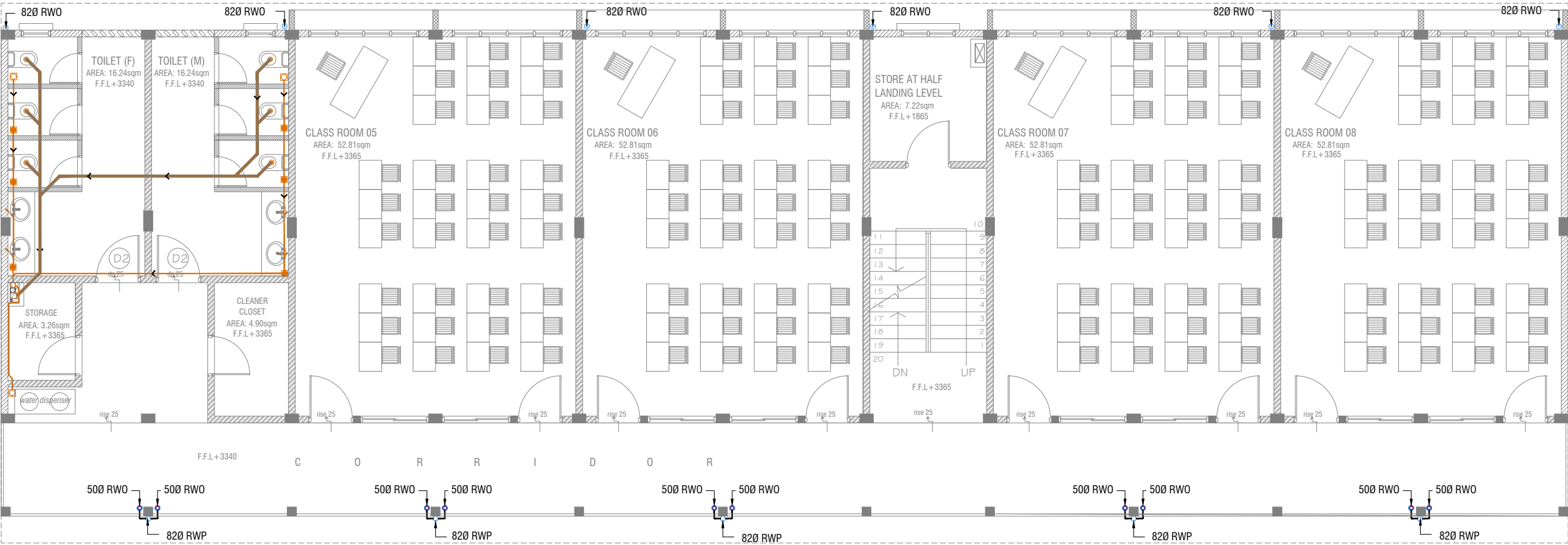
SERVICES DRAWINGS
Client: Ministry of Education



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

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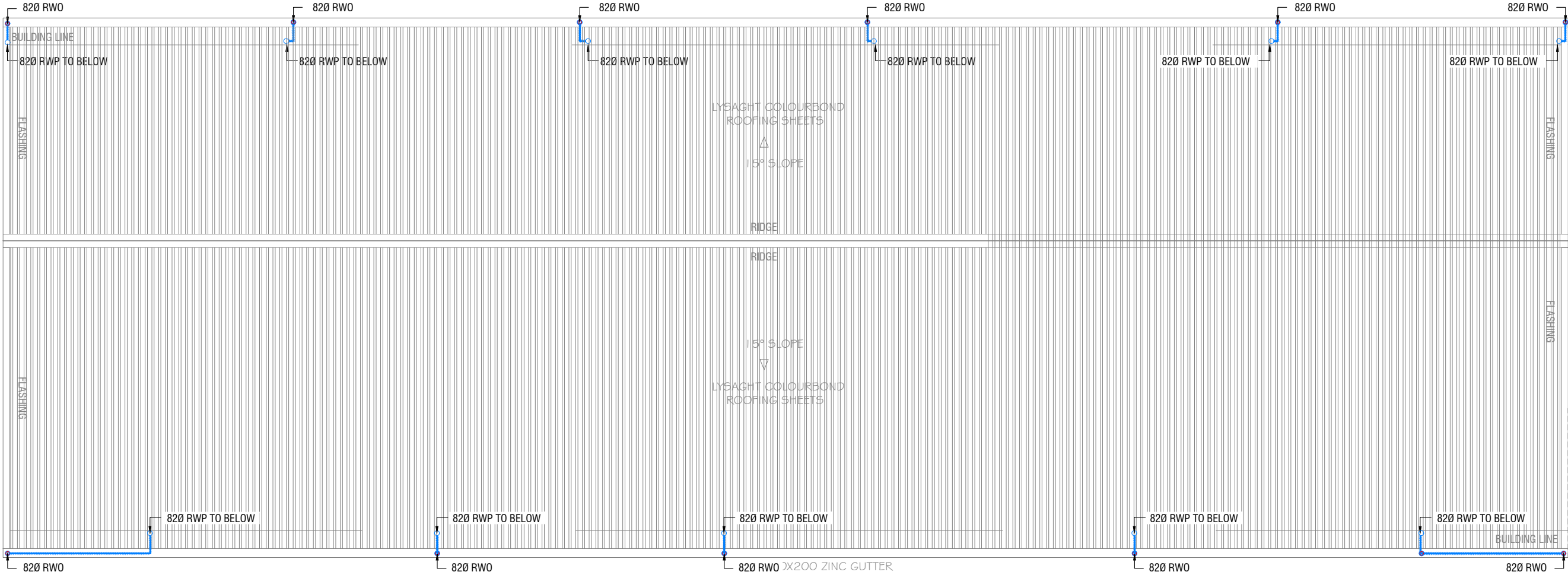
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- LEGEND
- FG FLOOR GULLY
 - FD FLOOR DRAIN
 - WM 40 Ø STUB FOR WASHING MACHINE
 - SP 110 Ø SOIL PIPE
 - SVP 110 Ø SOIL VENT PIPE
 - WP 82 Ø WASTE PIPE
 - WVP 82 Ø WASTE VENT PIPE
 - WP 40 Ø WASTE PIPE
 - RWP 82/50 Ø RAINWATER PIPE
 - RWO 82/50 Ø DRAIN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

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

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
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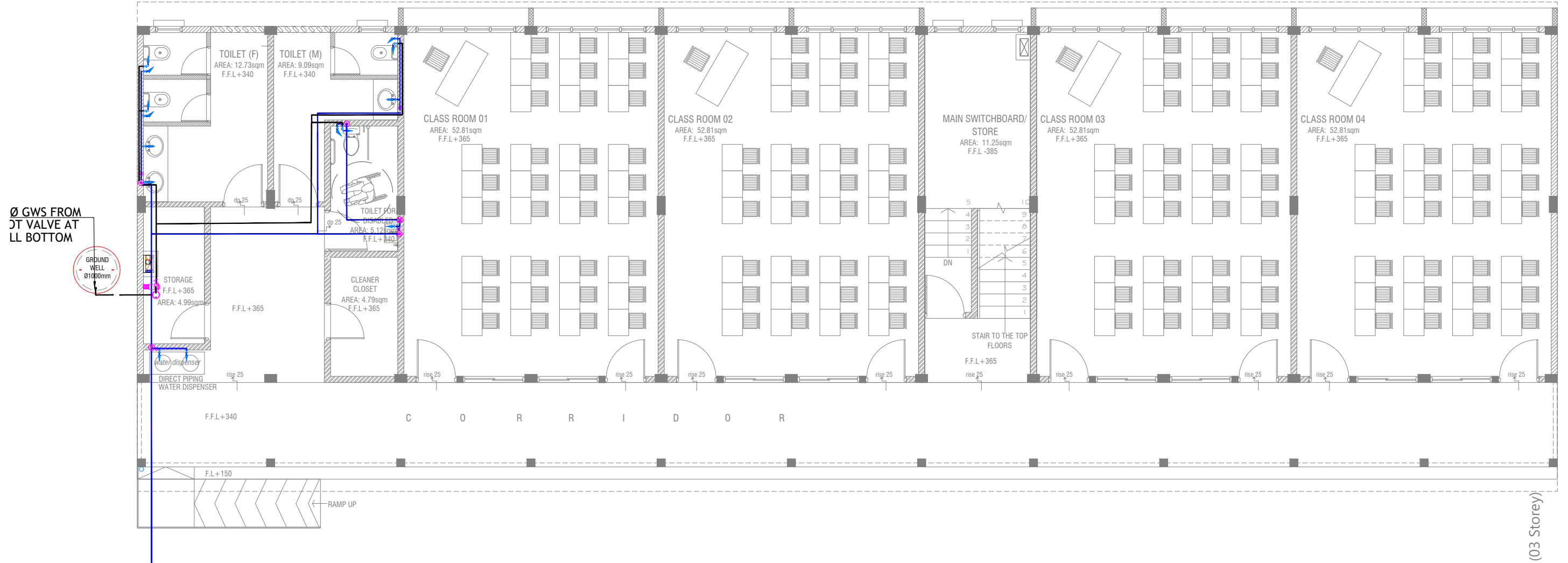
ROOF DRAINAGE LAYOUT
SCALE 1:100



AA Mathiveri School - 12 Classroom (03 Storey)
Client: Ministry of Education

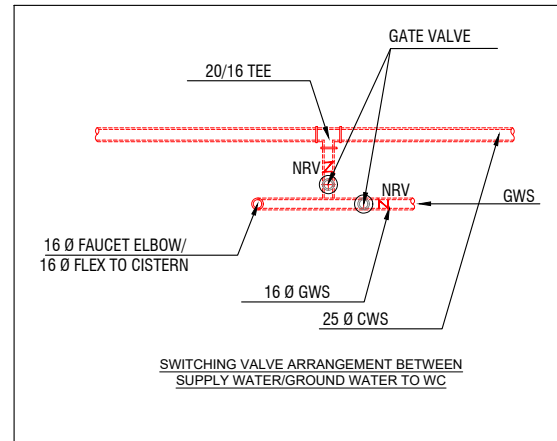
Project Number: RI/2020/006
Date: May 2021
Architect: Mariyam Irshad Shareef
Engineer: Mohamed Muthalib Waleed
Drawn by: Mariyam Leevan Jaleel
Services: Aishath Ahmed

Rev no	Date
1	2021-05-20



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
- GWS 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

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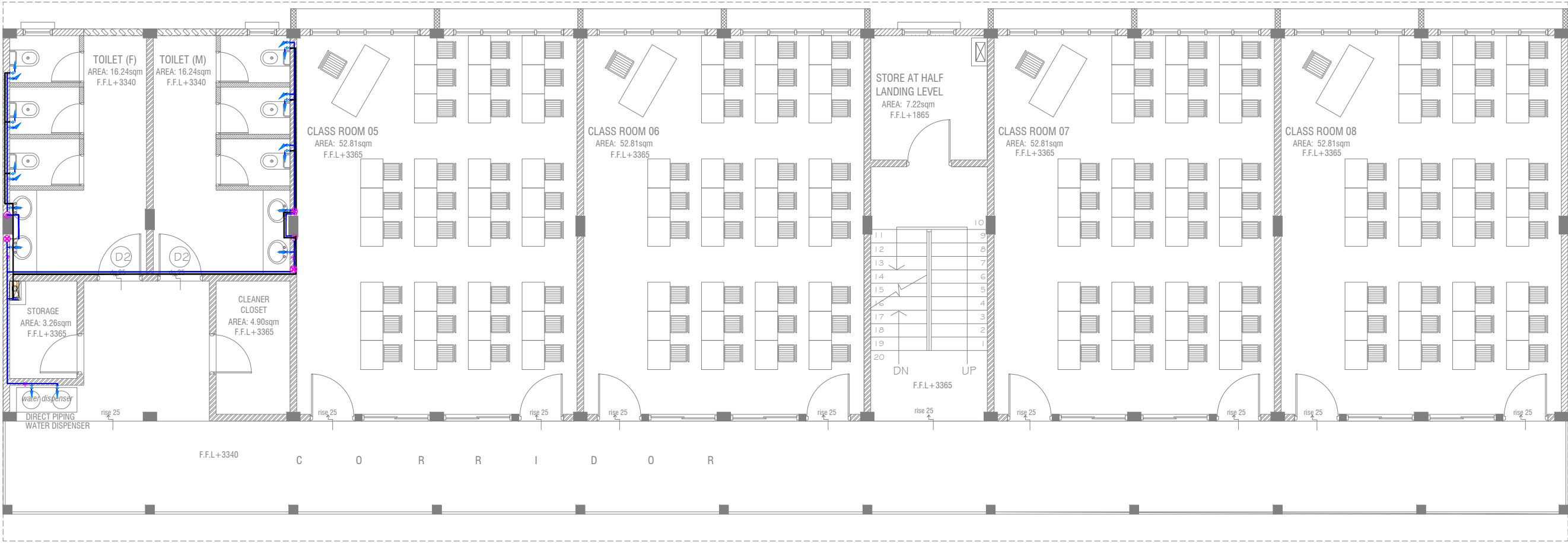
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Title: Ground Floor
Plumbing Layout

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FIRST - SECOND FLOOR PLUMBING LAYOUT

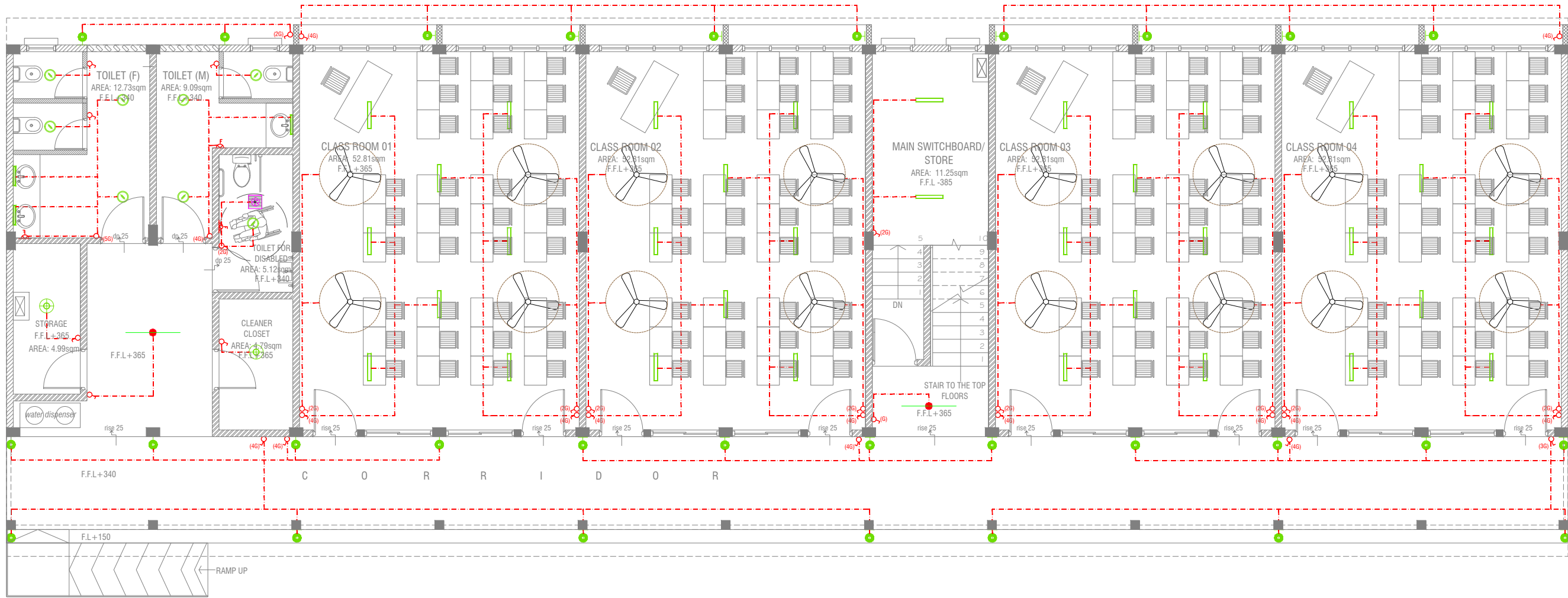


- LEGEND
- 16 Ø COLD WATER SUPPLY TO CISTERN
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Services: Alshath Ahmed

Rev no	Date
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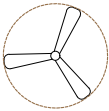
GROUND FLOOR LIGHTING LAYOUT

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 FAN (CEILING MOUNTED)
- FLEX OUTLET

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

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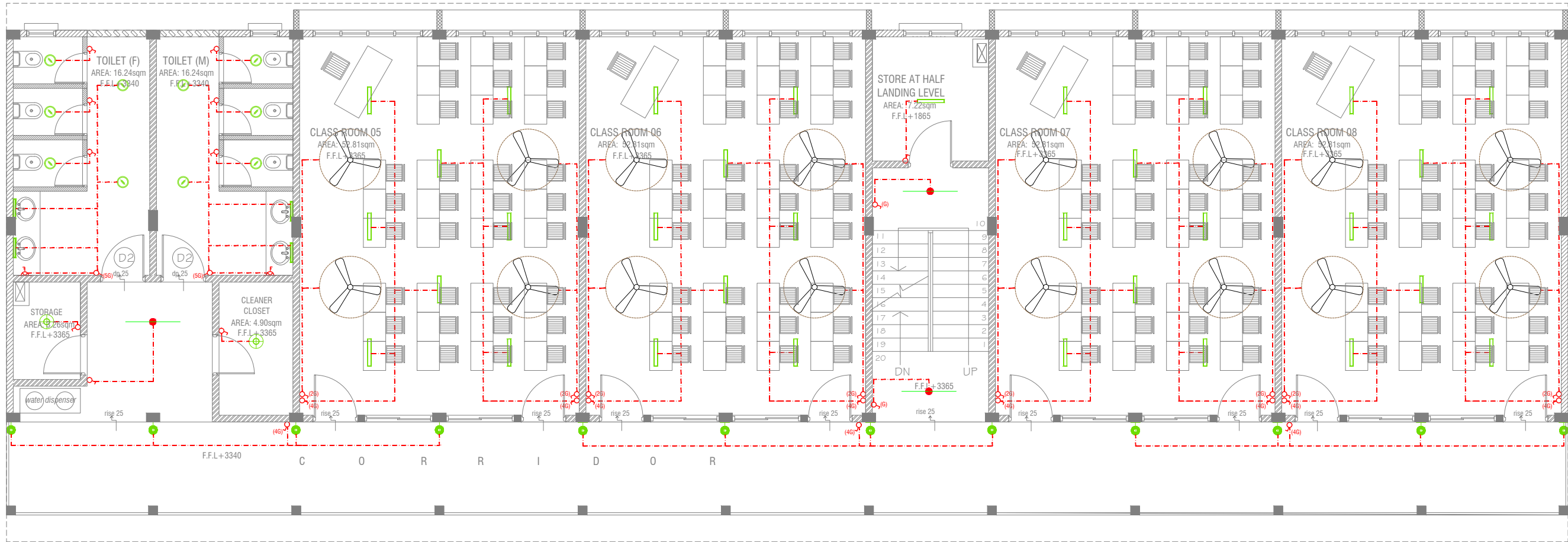
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1	2021
2	2021
3	2021
4	2021
5	2021

Project Number: RI/2020/006
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Services: Aishath Ahmed

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Title: Ground Floor
Lighting Layout
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FIRST - SECOND FLOOR LIGHTING LAYOUT

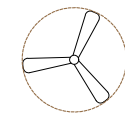
SCALE 1:100



LEGEND

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Drawn by: Mariyam Leevan Jaleel

Services: Aishath Ahmed

Rev no

Date

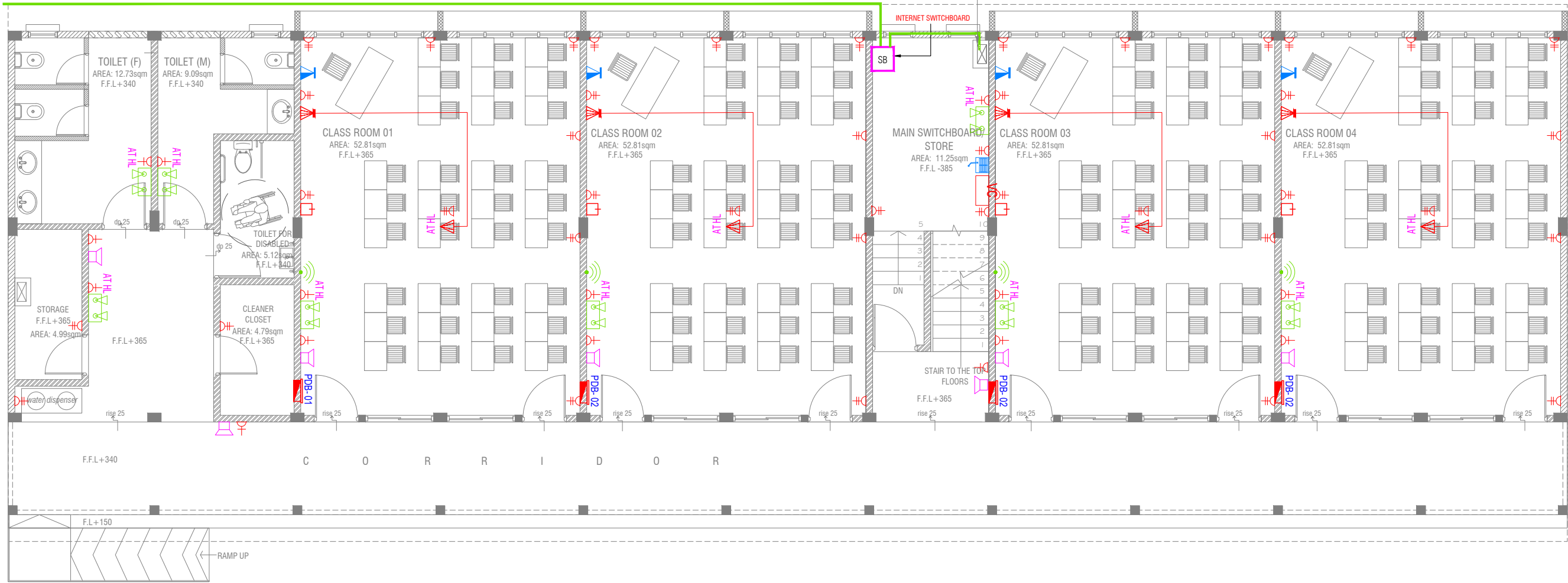
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Lighting Layout

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
- TWO GANG / TV SOCKET

- 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

TO SUPPLY AND INSTALL PANEL BOARD WITH kWh METER. WIRING AND CONNECTION TO MAIN PANEL BOARD FROM MAIN ELECTRICAL NETWORK (LOCATED AT MAIN SWITCH BOARD / STORE)

AA Mathiveri School - 12 Classroom (03 Storey)

Client: Ministry of Education

Project Number: RI/2020/006

Date: May 2021

Architect: Maniyam Irasha Shareef

Engineer: Mohamed Muthalib Waleed

Date

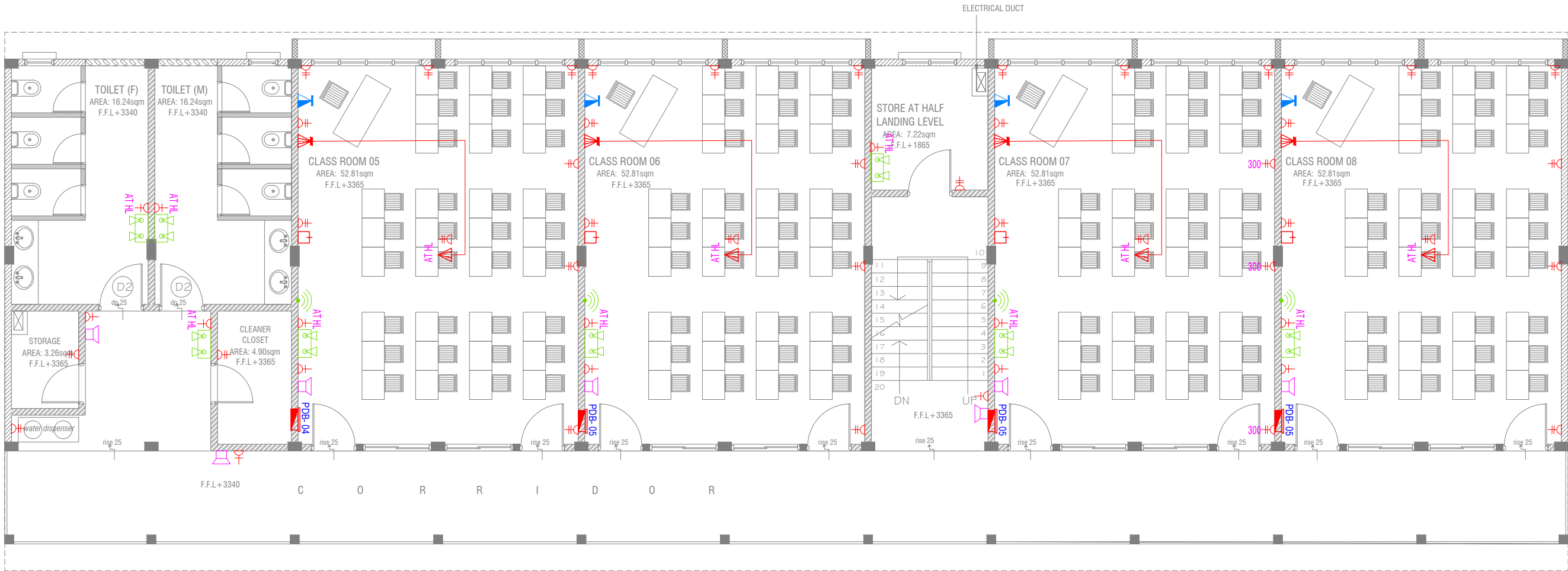
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Title: Ground Floor Power Lay

Page: EP 01-02



FIRST - SECOND 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
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LEGEND

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ALL ELECTRICAL COMPONENT TO BE CONNECTED TO THEIR RESPECTIVE DB

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AA Mathiveri School - 12 Classroom (03 Storey)

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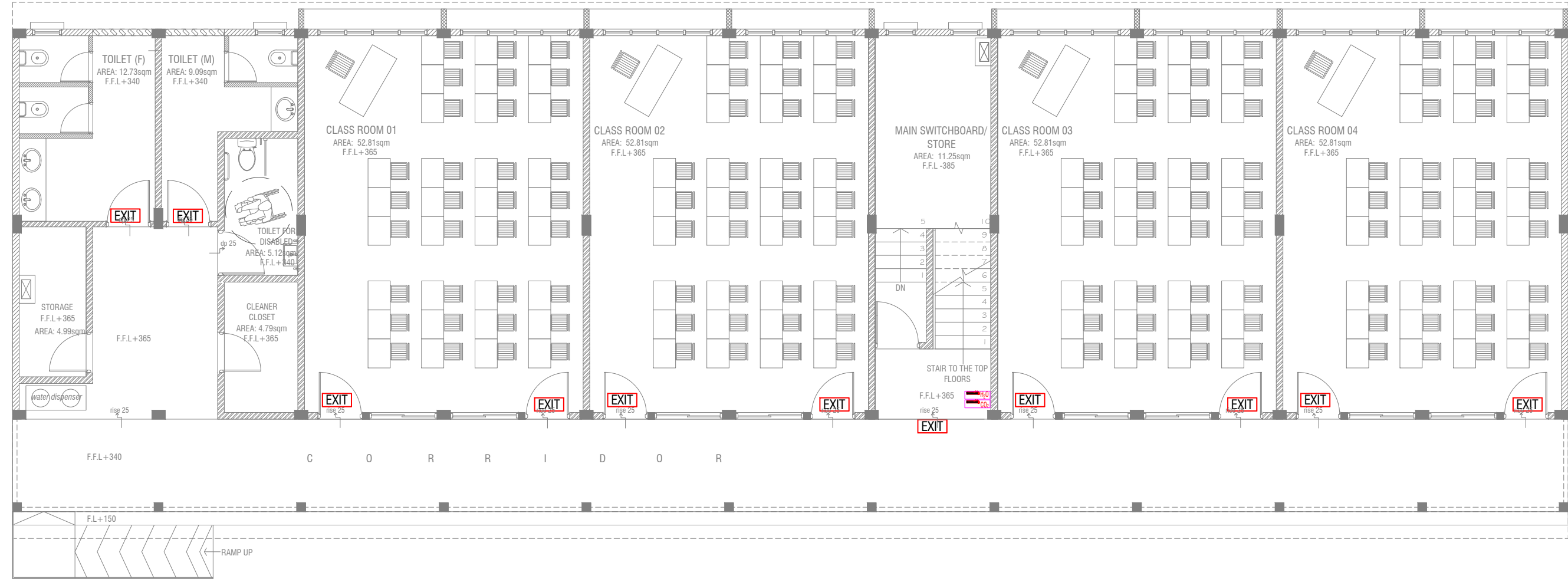
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1	May 2021
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Project Number: RI/2020/006
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Architect: Mariyam Irshad Shareef
Engineer: Mohamed Muthalib Valeed
Drawn by: Mariyam Leevan Jaleel
Services: Alshath Ahmed

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Page: EP 02-02



GROUND 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.

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/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.
-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

AA.Mathiveri School - 12 Classroom (03 Storey)
Client: Ministry of Education

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

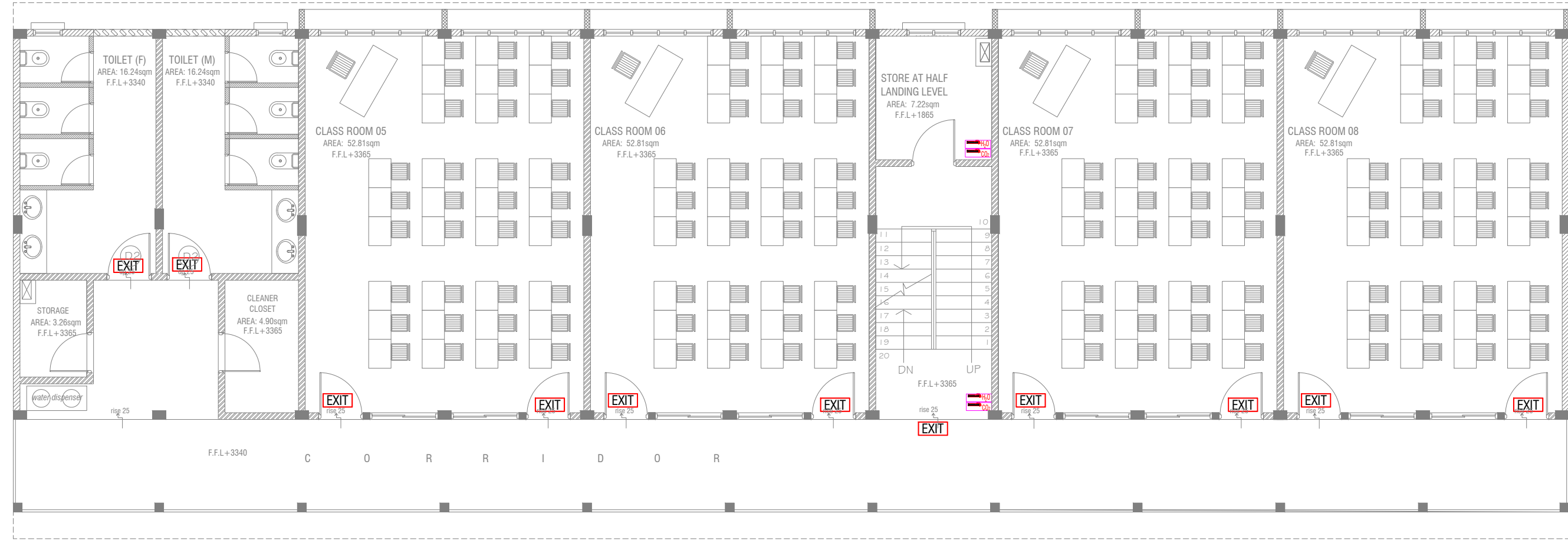


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Title: Ground Floor
FDP Layout

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.)

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AA.Mathiveri School - 12 Classroom (03 Storey)
Client: Ministry of Education

Project Number: RI/2020/006

Date: May 2021

Architect : Mariyam Irasha Shareef

Engineer : Mohamed Muththalib Waleed

Drawn by : Mariyam Leevan Jaleel

Services : Aishath Ahmed

Interior :-

Rev no

Date

1

1

2

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3

1

4

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6

1

7

1

8

1

9

1

10

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19

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20

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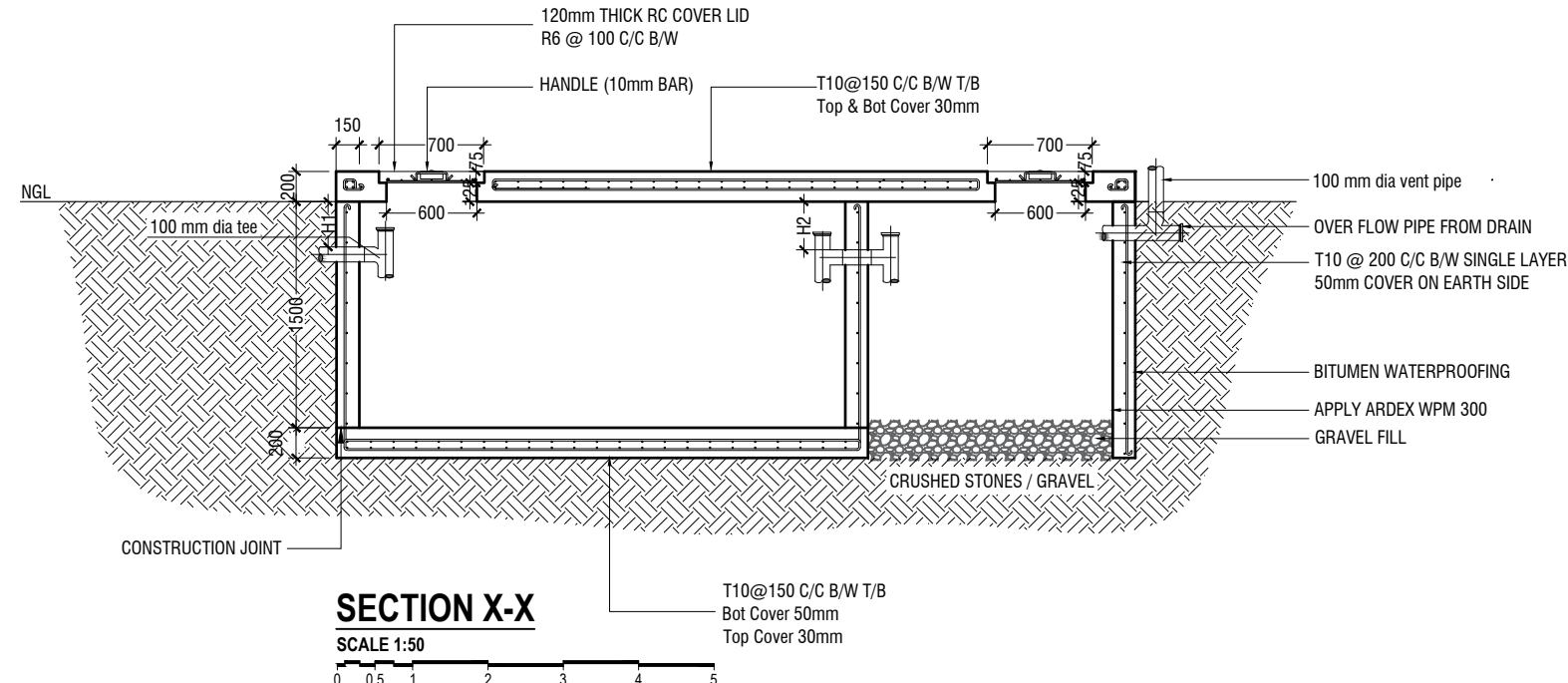
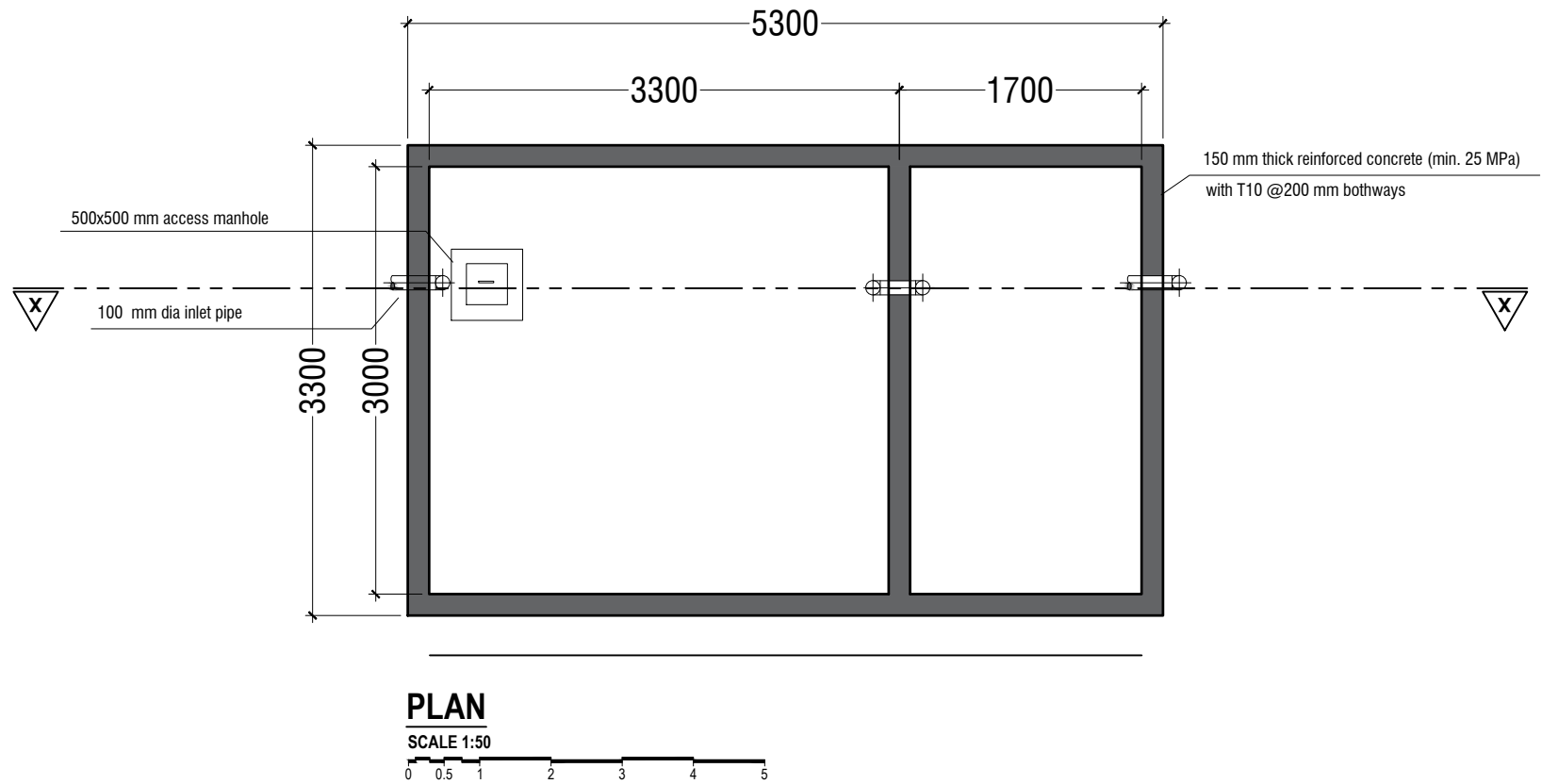


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Title: First - Second Floor FDP Layout

Page: FDP 02-02



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

AA.Mathiveri School - 12 Classroom (03 Storey)
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1	11/05/2021
2	11/05/2021
3	11/05/2021
4	11/05/2021
5	11/05/2021



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Title: Septic Tank Detail

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to be decided at site, water table must be available for at least 1500mm

150

75

130

1000

1150

T10 @ 150 C/C T/B

T10 @ 150 C/C T/B

T10 @ 150 C/C T/B

Technical drawing of a cross-section of a concrete slab. The drawing shows a rectangular slab with a total width of 1000 and a total height of 150. The bottom reinforcement is positioned 475 from the bottom edge. The top reinforcement is positioned 50 from the top edge. The slab is labeled "SIKA SEALANT" on the left side. The bottom reinforcement is labeled "900" at the bottom center.

NOTE:

- ALL CONCRETE WORKS BELOW GROUND AND AT TERRACE LEVEL TO BE TREATED WITH 'SIKA' WATERPROOFING CHEMICAL OR EQUIVALENT
- PROVIDE PROVISION FOR WATER ENTRANCE THROUGH THE BASE