

Proposed 12 Classroom at
Sn.Hithadhoo, Addu High School
(03 Storey)

SERVICES DRAWINGS
Client: Ministry of Education

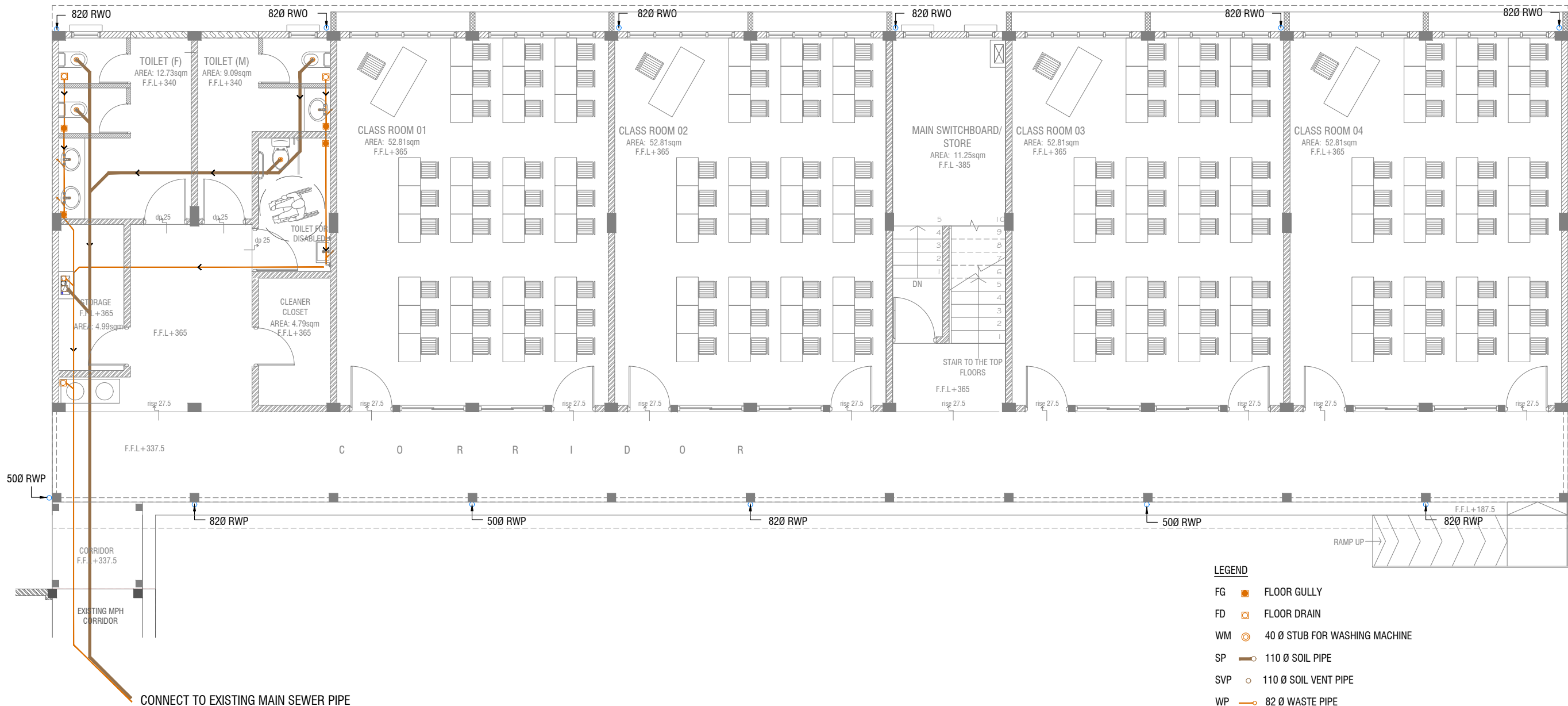


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3rd floor, H. Azum, Amereemagau, Male'

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GROUND FLOOR DRAINAGE LAYOUT

SCALE 1:100



Sn.Hithadhoo Addu High School
- 12 Classroom (03 Storey)
Client: Ministry of Education

Project Number: RI/2020/006
Date: March 2021
Architect: Mariyam Irasha Shareef
Engineer: Mohamed Muhiyul Waleed
Drawn by: Mariyam Leevan Jaleel

Rev no
Date

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Title: Ground Floor
Drainage Layout
Page: DR 01-03



FIRST - SECOND FLOOR DRAINAGE LAYOUT



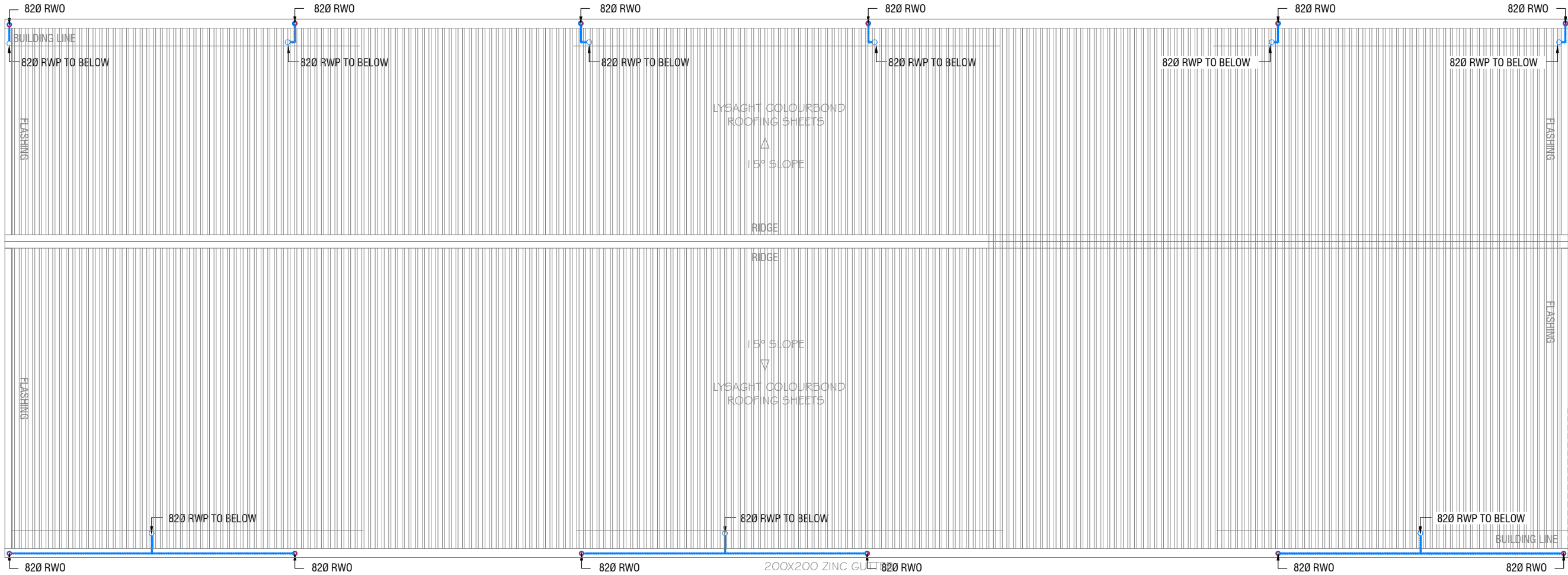
LEGEND

- 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.

Sn.Hithadhoo Addu High School
- 12 Classroom (03 Storey)
Client: Ministry of Education
Project Number: RI/2020/006
Date: March 2021
Architect: Mariyam Irasha Shareef
Engineer: Mohamed Muhiyhalb Waleed
Drawn by: Mariyam Leevan Jaleel















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

Sn.Hithadhoo Addu High School
- 12 Classroom (03 Storey)
Client: Ministry of Education

Project Number	Rev no	Date
RI/2020/006	1	March 2021
Architect : Mariyam Irasha Shareef		
Engineer : Mohamed Muhiithalib Waleed		
Drawn by : Mariyam Leevan Jaleel		

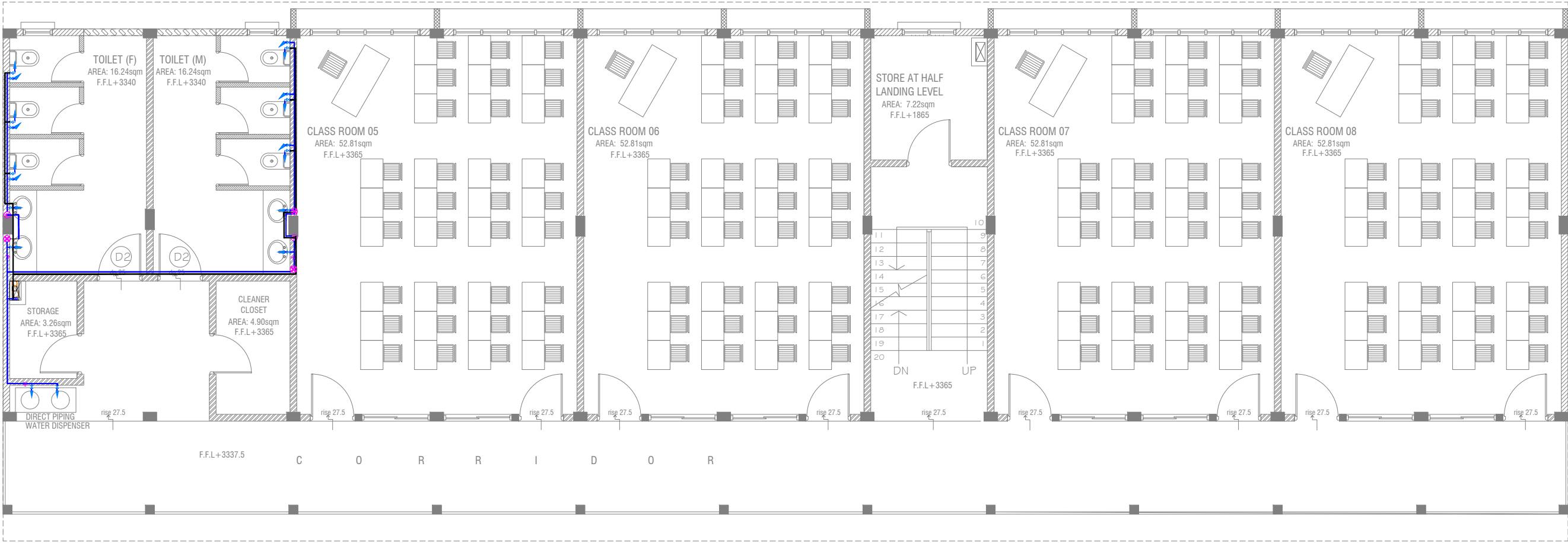


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Title: **Roof
Drainage Layout**

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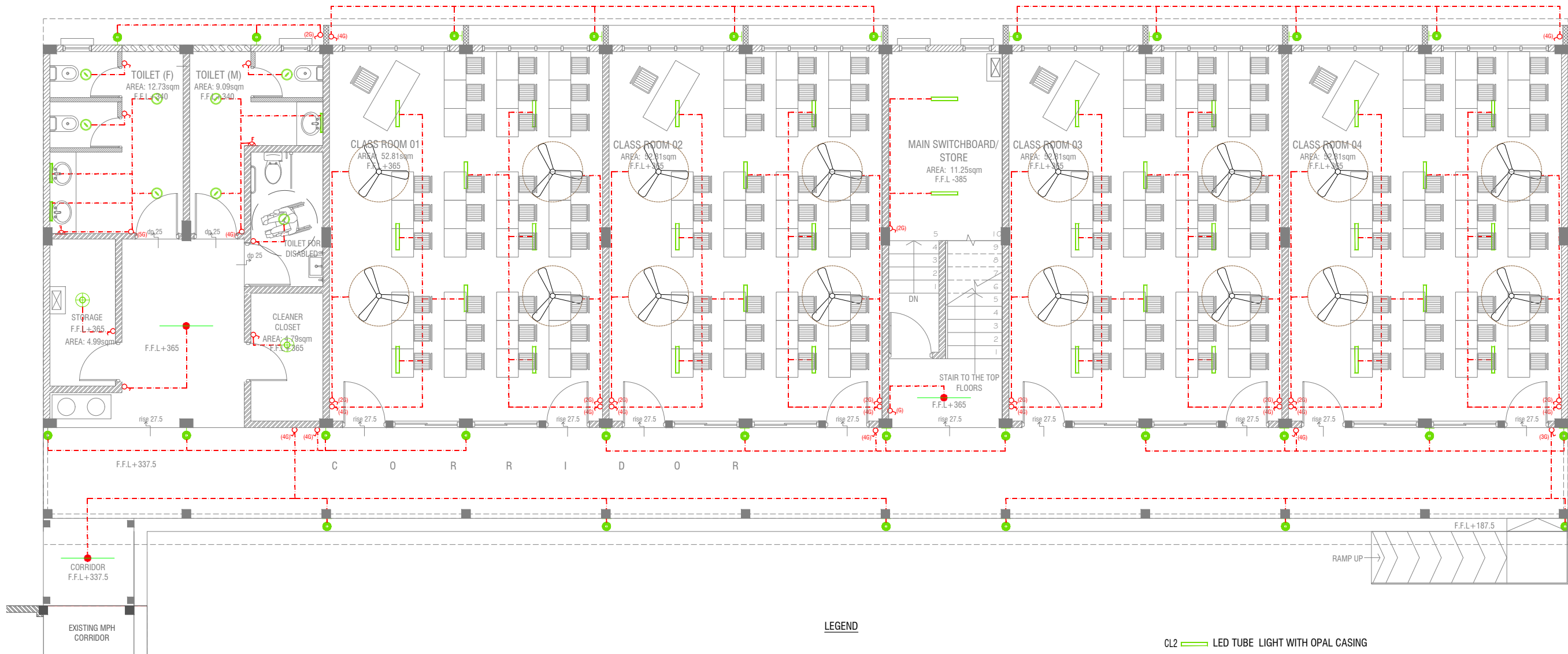
FIRST - SECOND FLOOR PLUMBING LAYOUT



- 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
 - 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

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Drawn by: Mariyam Leevan Jaleel



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

Sn.Hithadhoo Addu High School
- 12 Classroom (03 Storey)
Client: Ministry of Education

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

Rev no

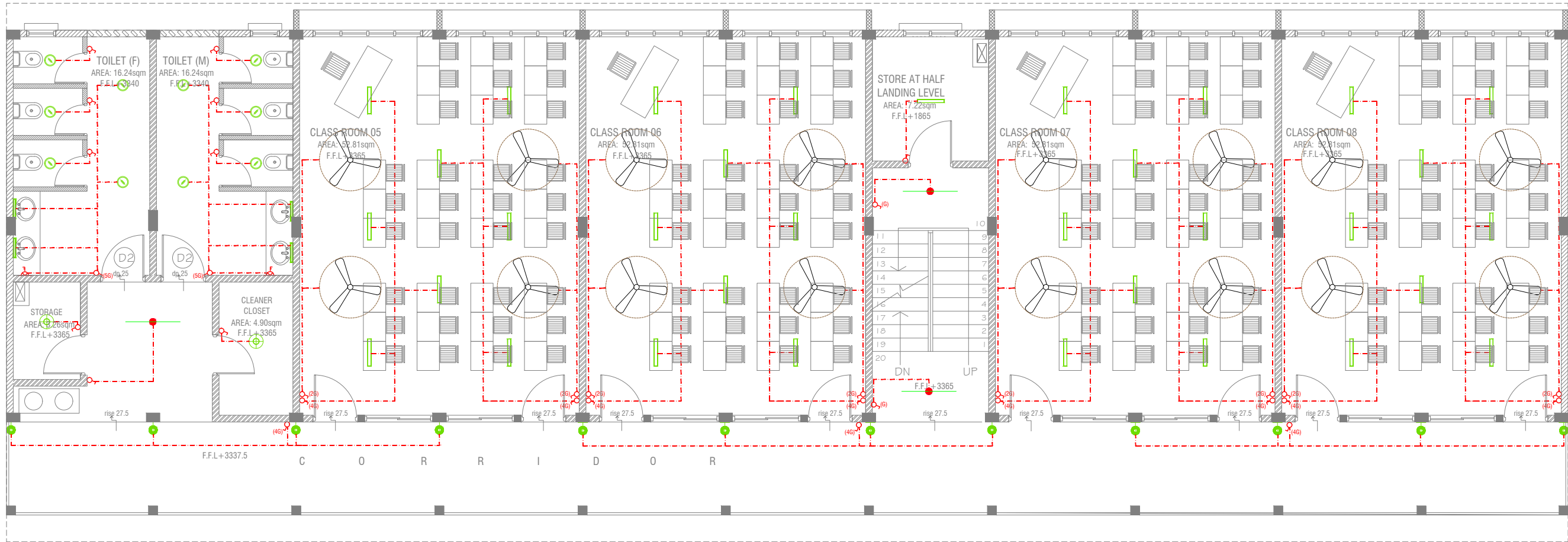
Date

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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
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Sn.Hithadhoo Addu High School
- 12 Classroom (03 Storey)
Client: Ministry of Education

Rev no	Date
1	2020/06
2	2021/03
3	2021/03
4	2021/03
5	2021/03

Project Number: RI/2020/006
Date: March 2021
Architect : Mariyam Irasha Shareef
Engineer : Mohamed Muhiithab Waleed
Drawn by : Mariyam Leevan Jaleel

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Title: First - Second Flo
Lighting Layout
Page: EL 02-02

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

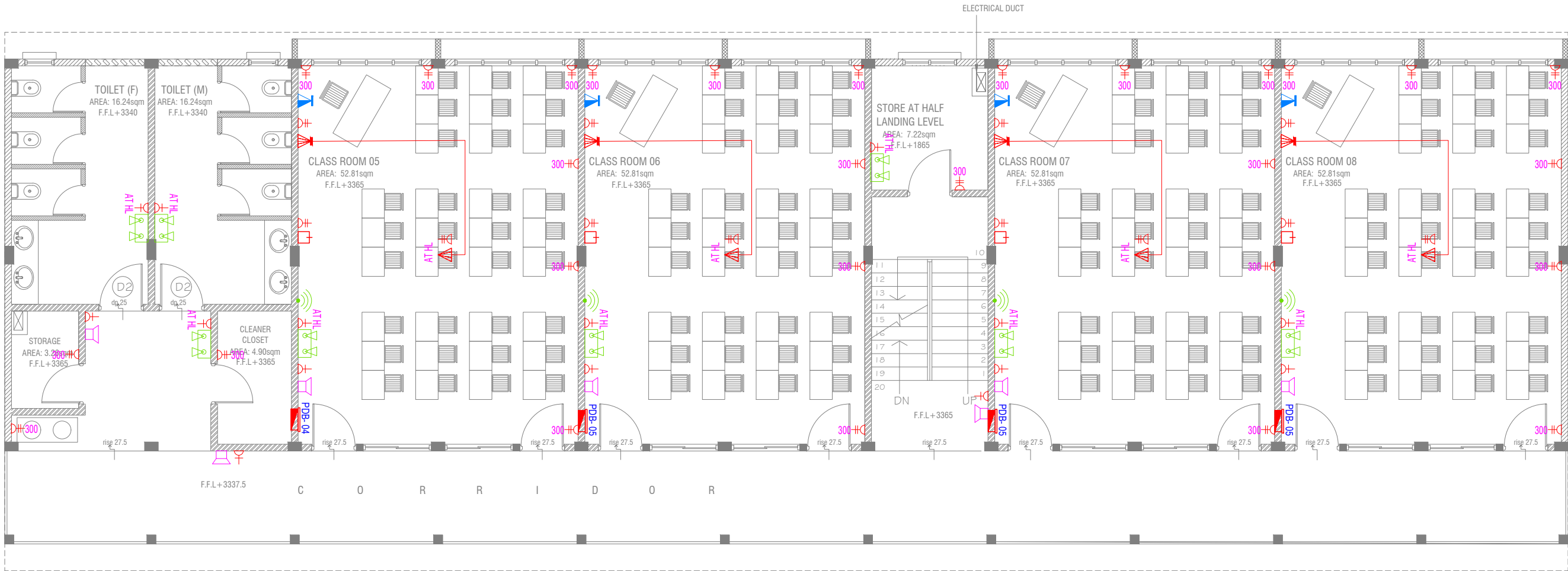
LEGEND

-  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



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
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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

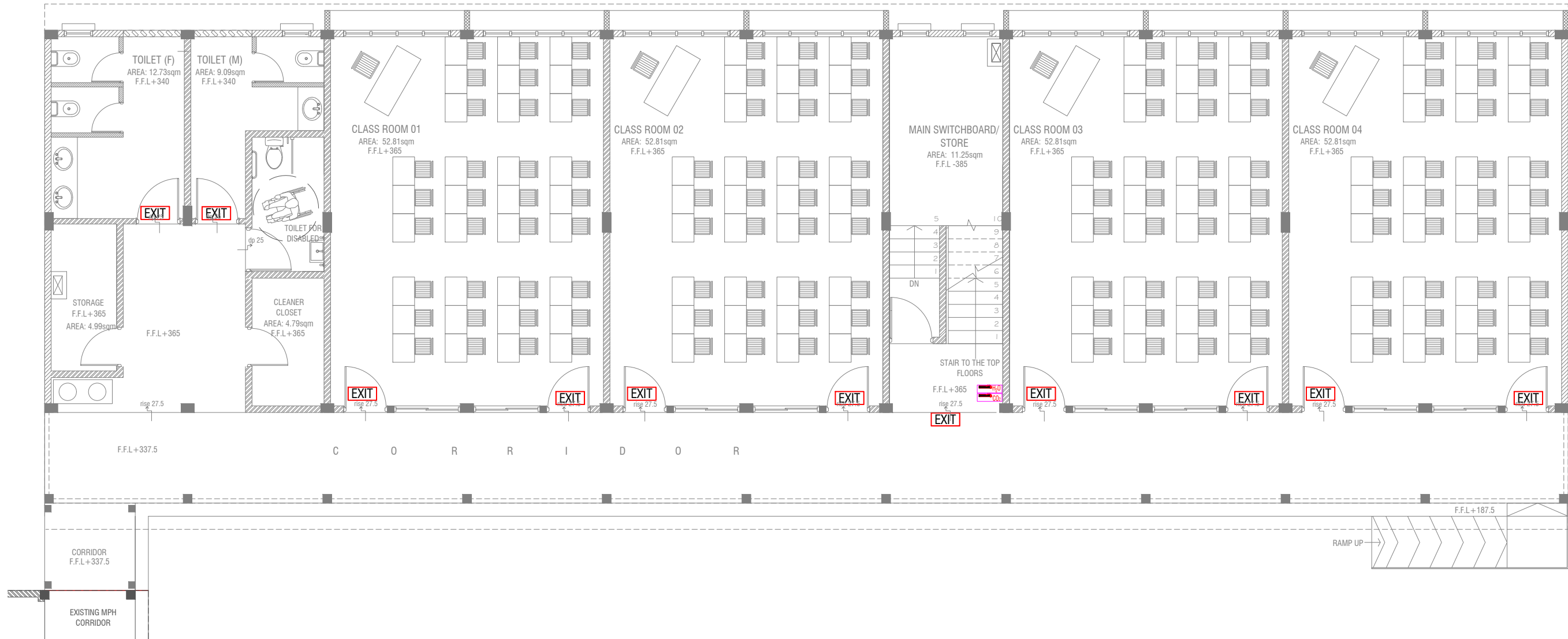
- PAGING MIC
- VOLUME CONTROLLER
- EMERGENCY LIGHT

ALL ELECTRICAL COMPONENT TO BE CONNECTED TO THEIR RESPECTIVE DB

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

Sn.Hithadhoo Addu High School
- 12 Classroom (03 Storey)
Client: Ministry of Education

Rev no	Date
1	2020/06
2	2020/06
3	2020/06
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100	2020/06



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)

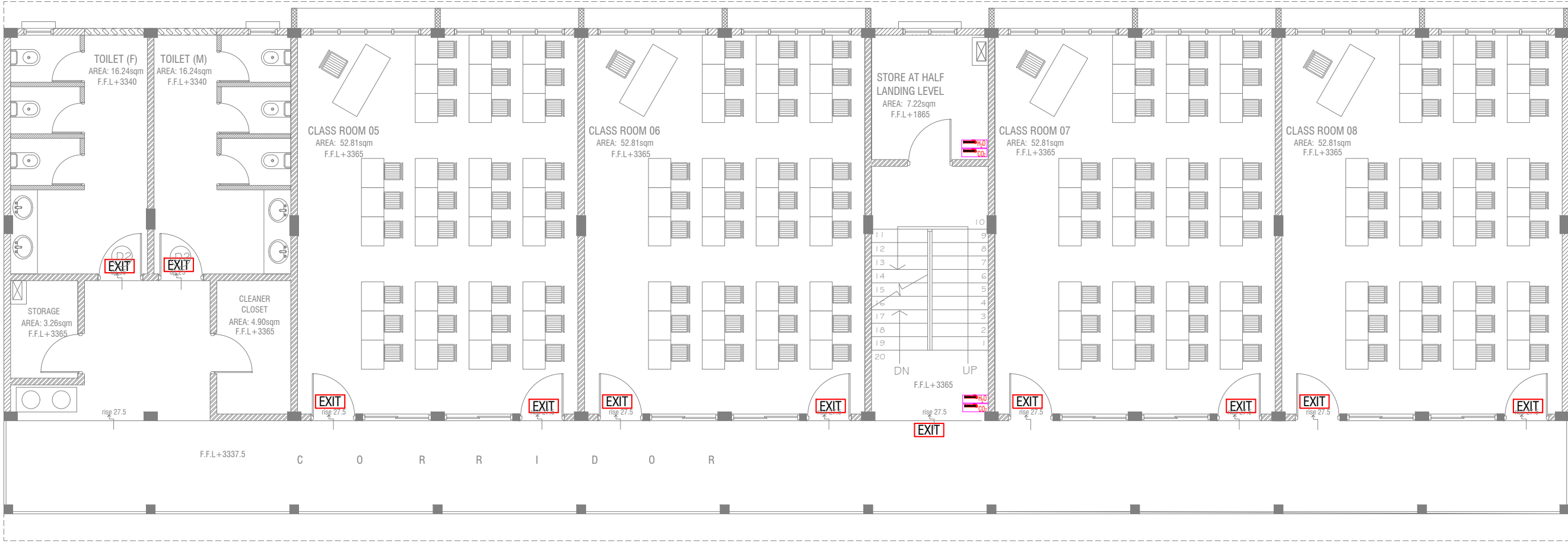
- 1.ALL PIPES SHOULD BE GALVANIZED,SCHEDULE 40.
- 2. ALL PIPE SHALL BE PAINTED IN RED AS PER REGULATION.
- 3. ALL SUPPORT/BACKET SHALL BE HOT DIPPED GALVANIZED TO 100MM
- 4.ALL FIRE EXTINGUISHER INSIDE CABINETS. (CABINET SHOULD BE PROVIDED)

- 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

Sn.Hithadhoo Addu High School
- 12 Classroom (03 Storey)
Client: Ministry of Education
Project Number: RI/2020/006
Date: March 2021
Architect : Mariyam Irasha Shareef
Engineer : Mohamed Muththalib Waleed
Drawn by : Mariyam Leevan Jaleel
Services : Aishath Ahmed



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FIRST - SECOND FLOOR FDP LAYOUT



LEGEND

- EXIT SIGN
- CO₂ EXTINGUISHER (LOAD: 2KG) IN POLYCARBONATE ENCLOSURE(TYP.)
- H₂O EXTINGUISHER (LOAD: 9L) IN POLYCARBONATE ENCLOSURE(TYP.)

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Sn.Hithadhoo Addu High School
- 12 Classroom (03 Storey)
Client: Ministry of Education

Rev no	Date
1	2020/06
2	2020/06
3	2020/06
4	2020/06

Project Number: R/2020/006

Date: March 2021

Architect : Manyam Irasha Shareef

Engineer : Mohamed Muththalib Waleed

Drawn by : Manyam Leevan Jaleel

Services : Aishath Ahmed



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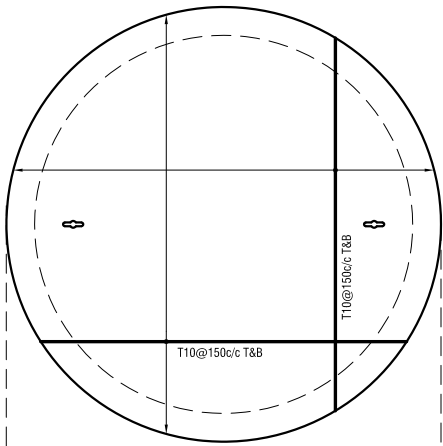
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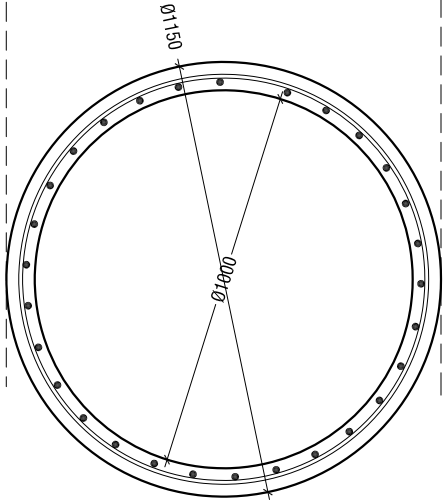
Title: First - Second Floor
FDP Layout

Page: FDP 02-02

WATER TANK WALL TOP & BOTTOM SLAB



WATER TANK WALL REIN.

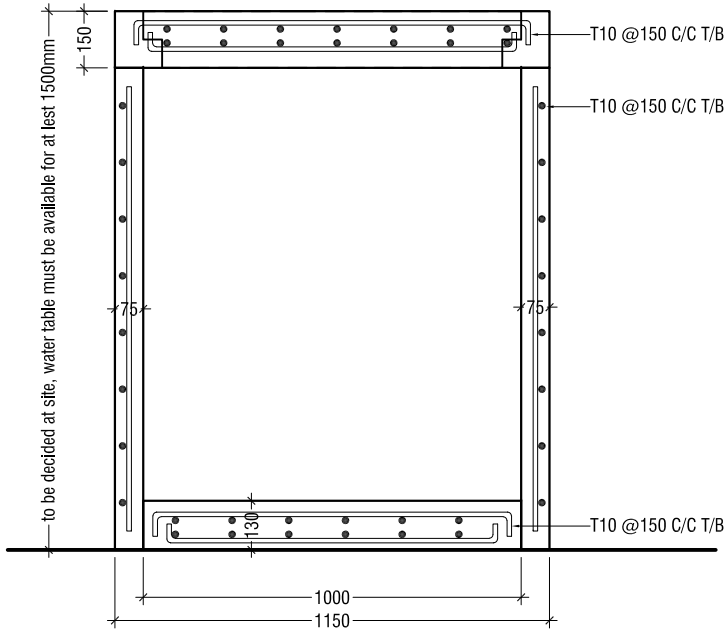


WATER TANK DETAILS

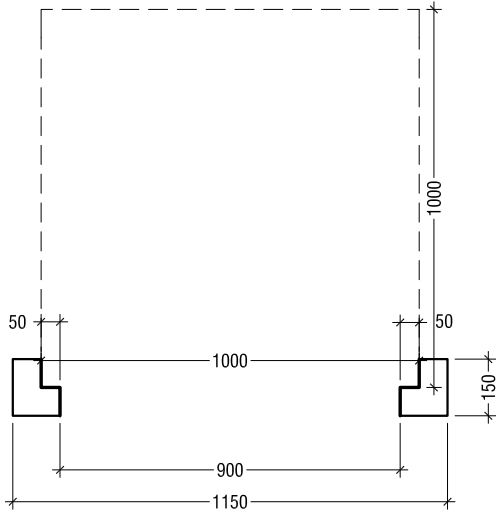
SCALE 1:20



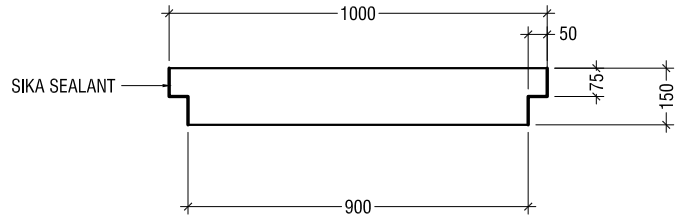
WATER TANK SECTION



ELEVATION

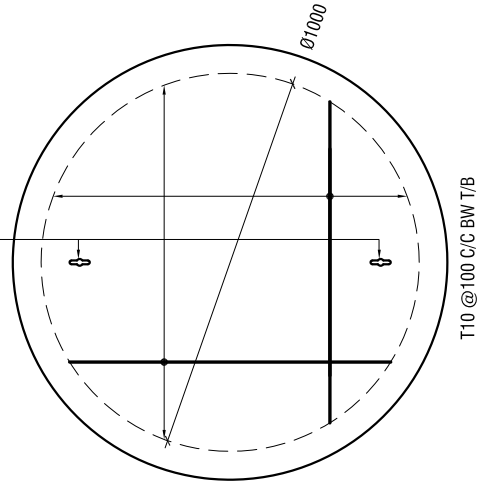


SECTION



KEYHOLES (THE KEYHOLES SHALL BE COVERED FROM A RUBBER SEALER ON TOP OF IT)

PLAN



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

WATER TANK LID DETAILS

SCALE 1:20



Sn.Hithadhoo Addu High School - 12 Classroom (03 Storey)
Client: Ministry of Education

Project Number: RI/2020/006

Date: March 2021

Architect: Mariyam Irasha Shareef

Engineer: Mohamed Muthalib Waleed

Drawn by: Mariyam Leevan Jaleel

Services: Alhath Ahmed

Interior: -

Rev no

Date

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Title: Ground Water Well
Detail

Page: Detail 01-01