

Proposed Multipurpose Hall Building at Dh.Meedhoo School

SERVICES DRAWINGS
Client: Ministry of Education



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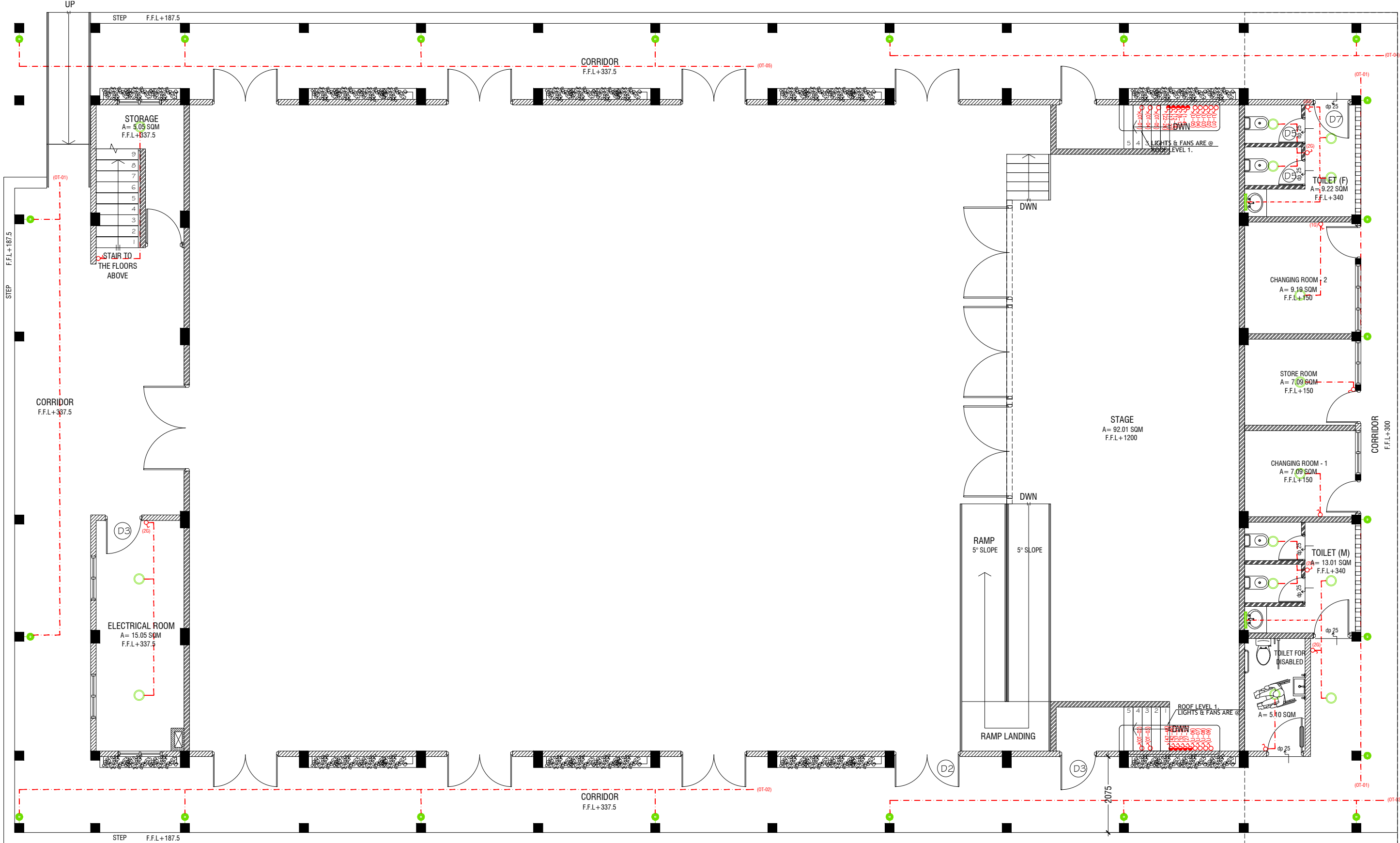
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3rd floor, H. Azum, Arneeneemagu, Male'

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GROUND FLOOR LIGHTING LAYOUT

SCALE 1:100



LEGEND

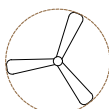


4 x 55W PLL Lamps
(Wire guard, Polycarbonate diffuser, Emergency and dimming versions)

C2



LED CEILING DOWN LIGHT (18W)



CEILING FAN (52" - 54")

WPD



40W (IP 65) OUT DOOR WALL LIGHT

ML



MIRROR LIGHT (7W LED LIGHT)



LIGHT SWITCH



CEILING FAN SWITCH



CIRCUIT LINE



SWITCHING LINE

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

NOTE:

- THE DOWNROD OF THE FANS IN THE HALL SHOULD BE NOT LESS THAN 60"

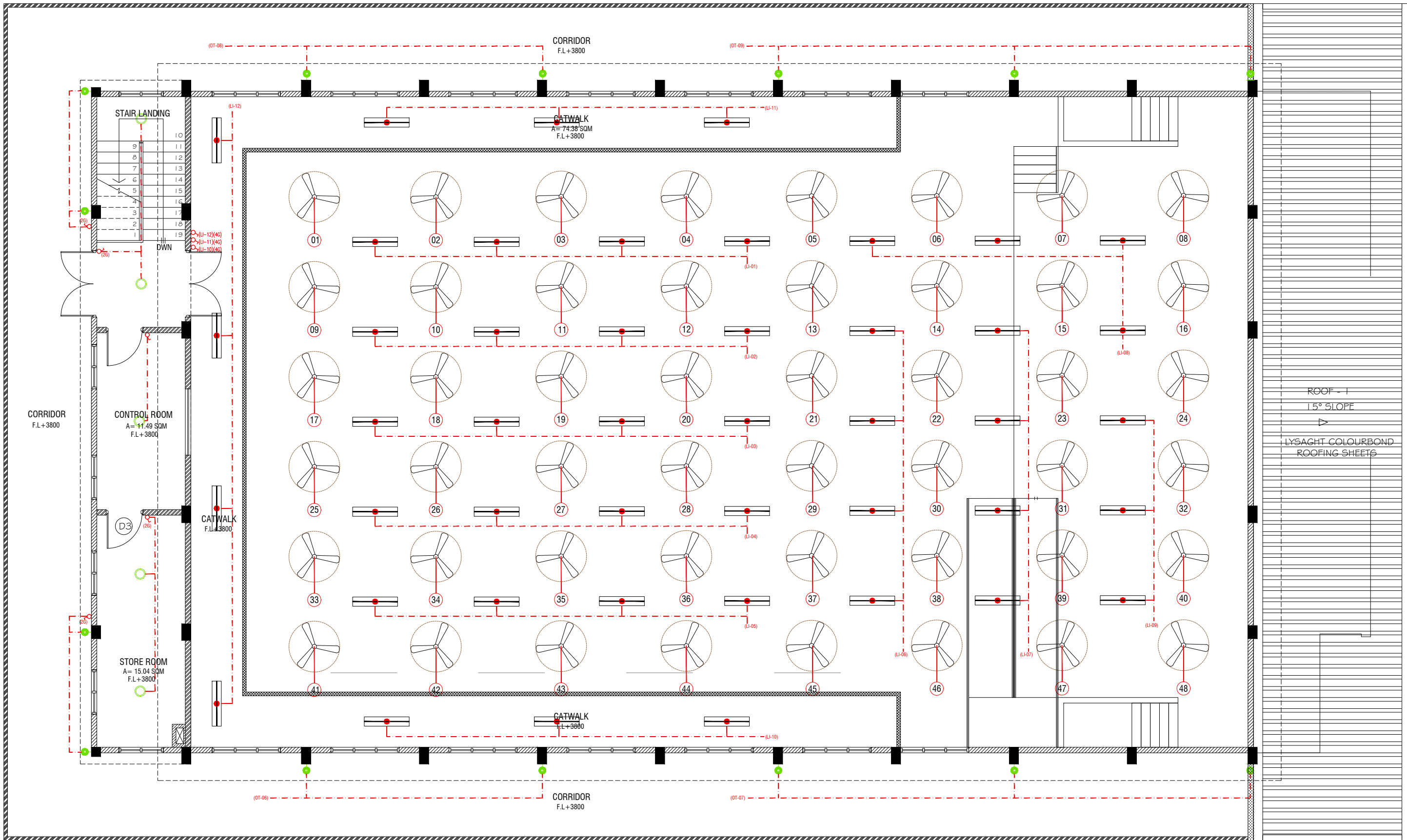
Dh.Meedhoo School Hall
Client: Ministry of Education

Project Number: R/2020/006
Date: February 2021
Architect: Maniyam Iqbal Shariq
Electrical Engineer: Maniyam Iqbal Shariq
Drawn by: Maniyam Iqbal Shariq
Services: Maniyam Iqbal Shariq
Interior: -

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3rd Floor, H. Aqun, Almatheer, Male'.

Title: Ground Floor
Lighting Layout
Page: EL - 01/02

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FIRST FLOOR LIGHTING LAYOUT

SCALE 1:100



LEGEND

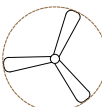


4 x 55W PLL Lamps
(Wire guard, Polycarbonate diffuser, Emergency and dimming versions)

C2



LED CEILING DOWN LIGHT (18W)



CEILING FAN (52" - 54")

WPD



40W (IP 65) OUT DOOR WALL LIGHT

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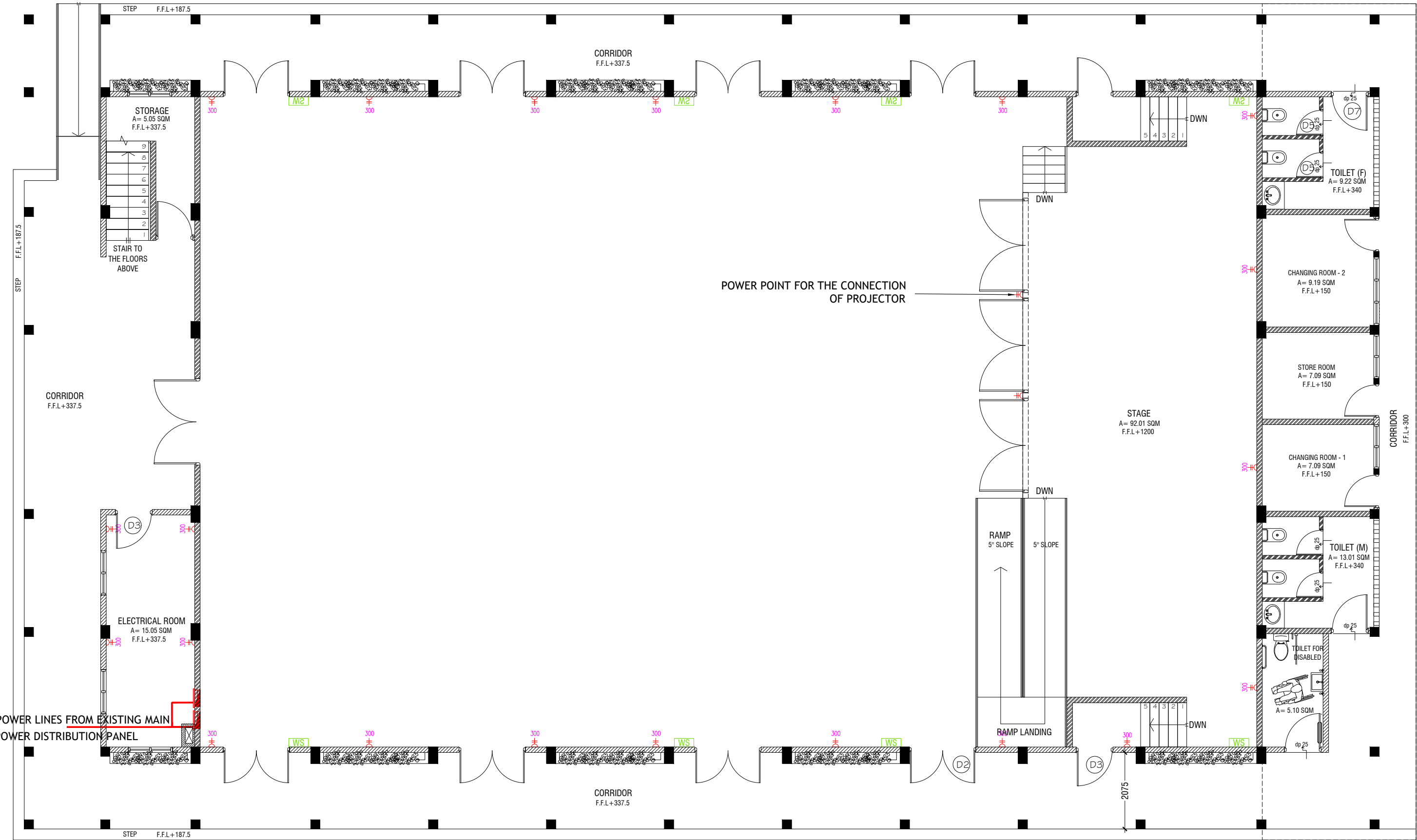
Dh.Meedhoo School Hall
Client: Ministry of Education

Rev no	Date
01	10/02/2021
02	10/02/2021
03	10/02/2021
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47	10/02/2021
48	10/02/2021



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Title: 1st Floor
Lighting Layout
Page: EL - 02/02



GROUND FLOOR POWER LAYOUT

SCALE 1:100

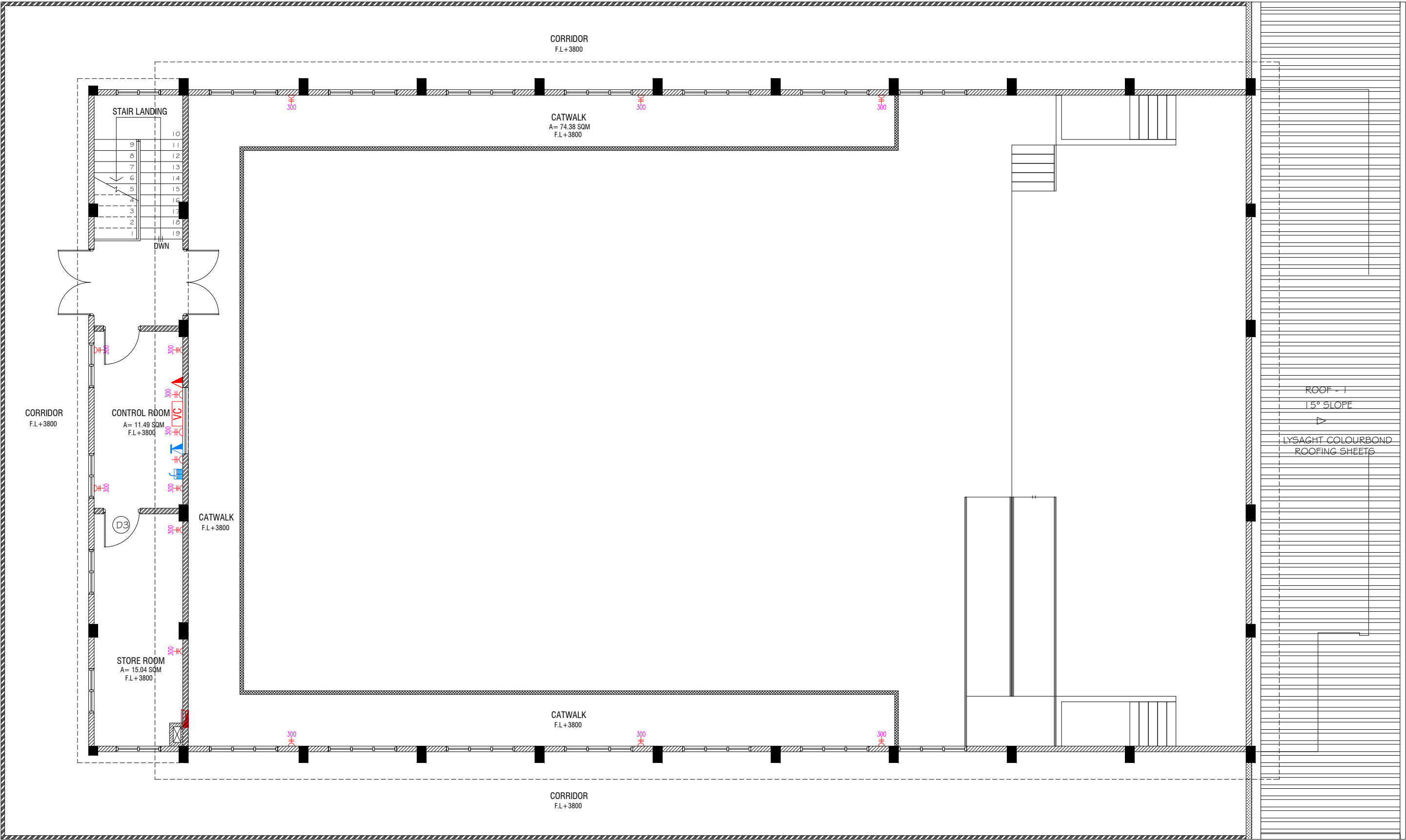


- PHONE EXTENSION
- COMPUTER NETWORK OUTLET (RJ 45 CONNECTORS)
- TELEPHONE OUTLET (RJ11, CONNECTOR)
- 13A POWER POINT
- 13A TWIN SOCKET OUTLET
- 15A.SWITCHED/ SPUR UNIT @ H.L.
- DISTRIBUTION BOX
- WALL SPEAKERS AT CEILING LEVEL

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

ALL ELECTRICAL COMPONENT TO BE CONNECTED TO THEIR RESPECTIVE DB

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



FIRST FLOOR POWER LAYOUT

SCALE 1:100



- PUBLIC ADDRESS SYSTEM
- PHONE EXTENSION
- COMPUTER NETWORK OUTLET (RJ 45 CONNECTORS)
- TELEPHONE OUTLET (RJ11, CONNECTOR)
- 13A POWER POINT
- 13A TWIN SOCKET OUTLET
- 15A SWITCHED/ SPUR UNIT @ H.L.
- DISTRIBUTION BOX
- WALL SPEAKERS AT CEILING LEVEL
- VOLUME CONTROLLER

NOTE:

- ALL WIRING TO BE OF APPROVED STANDARDS
- POWER/IT/COMPUTER SOCKETS = 300MM - 450MM FROM FLOOR FIN. LEVEL
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ALL ELECTRICAL COMPONENT TO BE CONNECTED TO THEIR RESPECTIVE DB

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

Dh.Meedhoo School Hall
Client: Ministry of Education

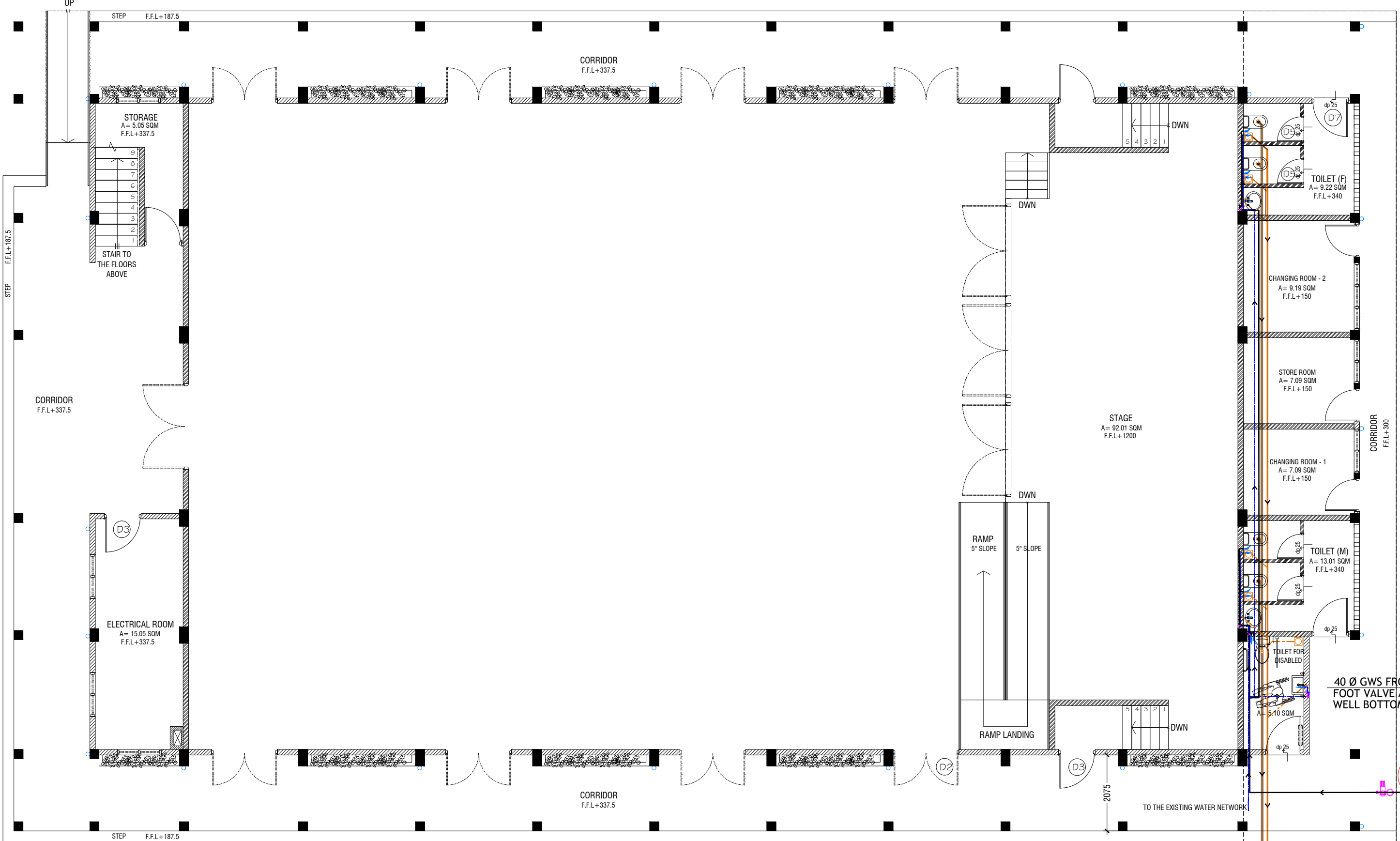
Project Number: R/2020/006
Date: February 2021
Architect: Maniyam Iqbal Sharief
Engineer: Maniyam Iqbal Sharief
Drawn by: Maniyam Leeyan Jaleel
Services: Alubath Ahmed
Interior: -



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3rd Floor, H. Aqun, Alimareemangal, Male

Title: 1st Floor
Power Layout
Page: EP - 02/02

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GROUND FLOOR PLUMBING & DRAINAGE LAYOUT

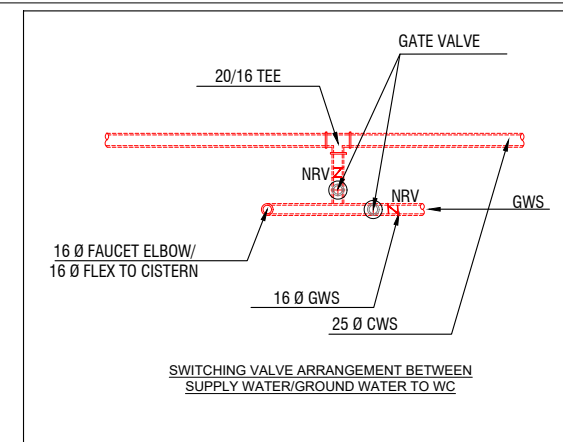
SCALE 1:100



LEGEND

- | | | |
|----|---|---|
| FC |  | 160 COLD WATER SUPPLY FAUCET / WALL TAP/SINK |
| |  | 160 COLD WATER SUPPLY TO CISTERN |
| GV |  | GATE VALVE |
| |  | RISE IN WALL |
| |  | DROP IN WALL |
| |  | 320 COLD WATER SUPPLY PIPES RUNNING UNDERGROUND |
| |  | 250 COLD WATER SUPPLY PIPES RUNNING IN WALLS |
| |  | 250 COLD WATER SUPPLY PIPES RUNNING UNDERGROUND |
| |  | 250 COLD WATER SUPPLY PIPES RUNNING ABOVE FALSE CEILING |

- | | |
|---|-----------------------------------|
|  | FLOOR DRAIN |
|  | FLOOR GULLY |
|  | 1100 SOIL PIPE (CPVC PIPE) |
|  | 820 WASTE PIPE (CPVC PIPE) |
|  | 400 WASTE PIPE (CPVC PIPE) |
|  | 500 WASTE PIPE (CPVC PIPE) |
|  | 820 MANHOLE VENT PIPE (CPVC PIPE) |
|  | BOTTLE TRAP |
|  | GROUND WATER SUPPLY |



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.
- ALL COLD WATER PIPES SHOULD BE CPVC

NOTE:

- THE WELL SHALL BE RELOCATED ACCORDING TO THE SALINITY OF THE GROUND WATER.
- BASED ON WELL LOCATION PUMP CAPACITY AND LOCATION TO BE DECIDED
- GROUND WATER TO USE FOR FLUSHING ONLY

Client: Ministry of Education

Rev no	Date
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Architect : Mariyam Irsha a Shareef
Engineer : Mohamed Muththalib Waleed
Drawn by : Mariyam Ieevan Jaleel



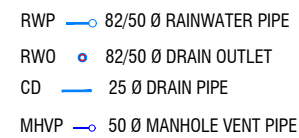
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3rd floor, H. Azum, Amseeneemagu, Male'

le: Ground Floor Plumbing

ge: DR - 01/04



Dr. Meedhoo School Hall

Client: Ministry of Education

Project Number: RI/2020/006

Architect: Maryiam Insha Sharief

Engineer: Mohamed Muththalib Vaseled

Structural Engineer: Mohamed Inan Jaleel

Services Engineer: Sulath Ahmed

Rev no

1

2

3

4


Date

10/01/2020

10/01/2020

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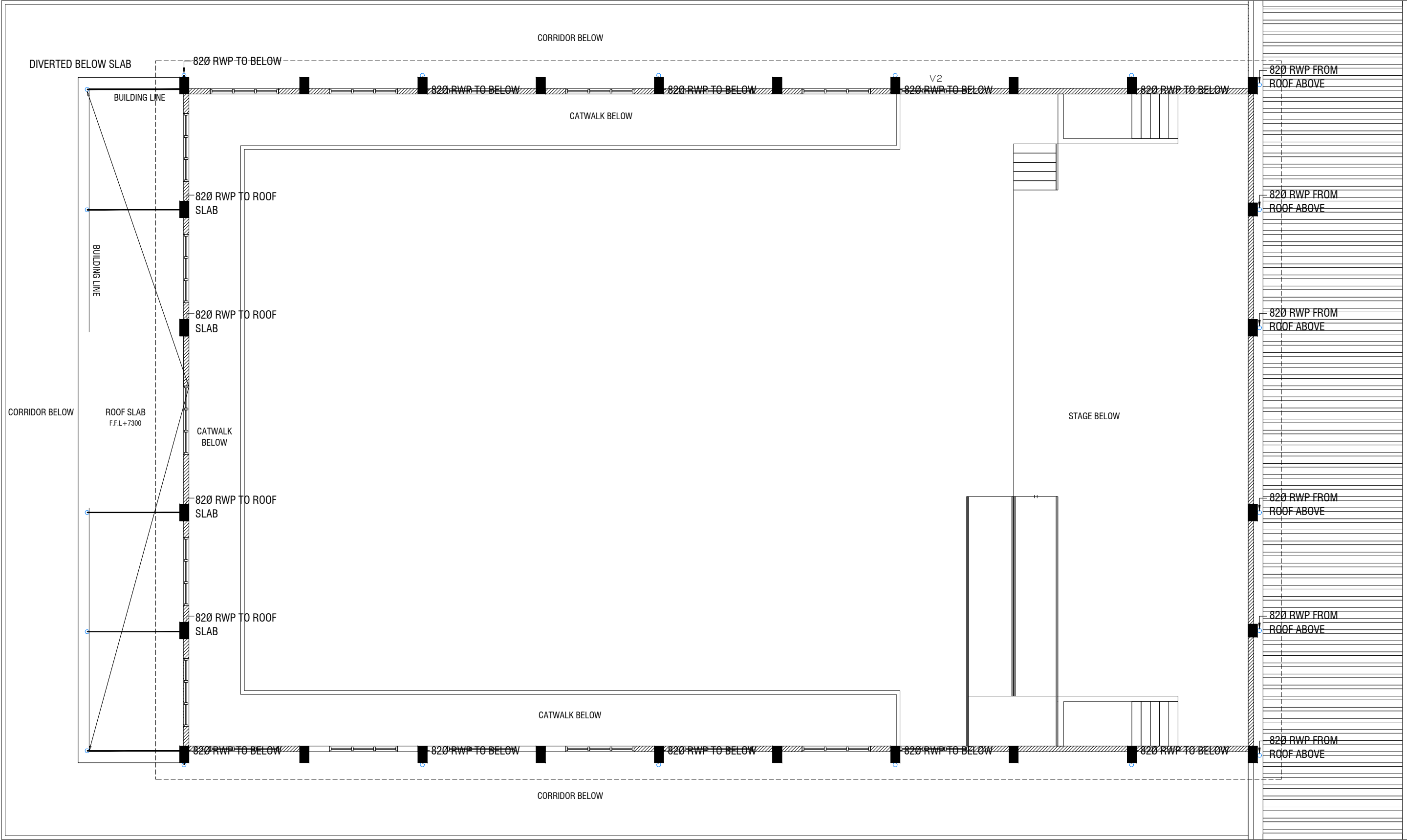
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3rd floor, 10, Avenue, "Emeralds, Meidh"

Title: 1st Floor Drainage Layout

Page: DR - 02/04

Interior :-

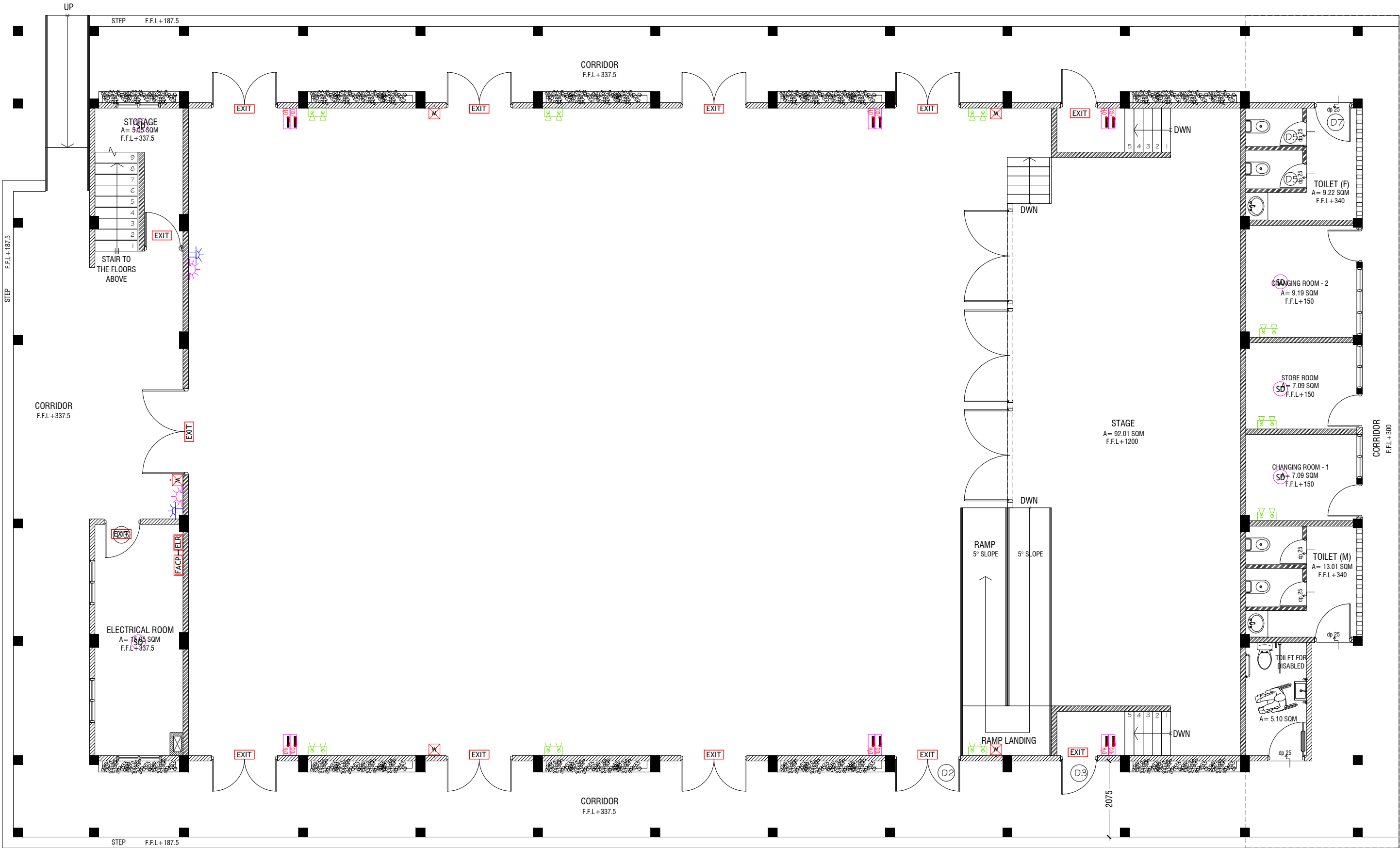


ROOF PLAN - 1 DRAINAGE LAYOUT

SCALE 1:100

- 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



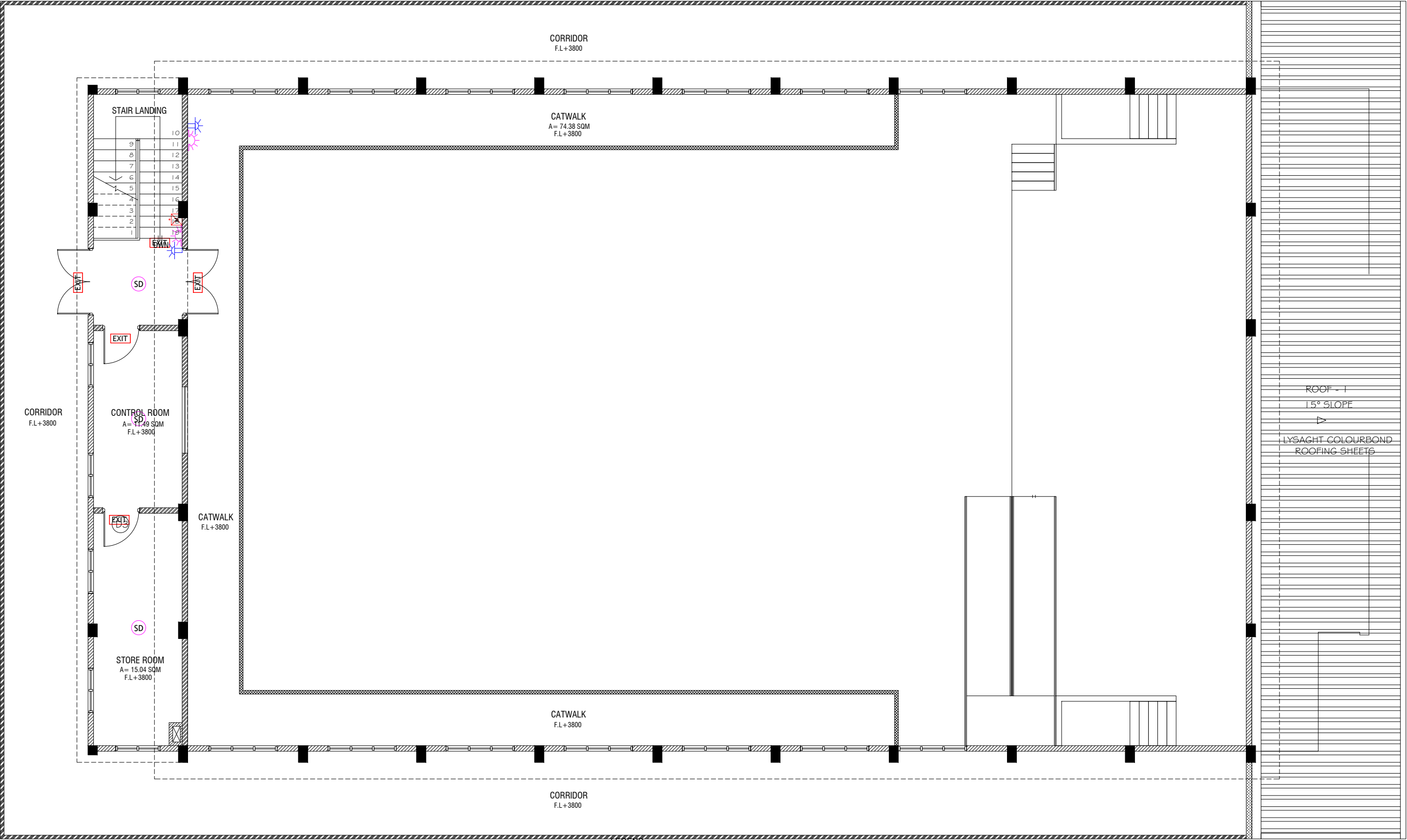
GROUND FLOOR FDP LAYOUT

SCALE 1:100















- LEGEND**
- SMOKE DETECTOR
 - HEAT DETECTOR
 - EXIT SIGN
 - EMERGENCY LIGHT
 - CO₂ EXTINGUISHER (LOAD: 2KG) IN POLYCARBONATE ENCLOSURE (TYP.)
 - WET CHEMICAL FIRE EXTINGUISHER (LOAD: 7.2KG)
 - H₂O EXTINGUISHER (LOAD: 9L) IN POLYCARBONATE ENCLOSURE (TYP.)
 - END OF LINE RESISTANCE
 - FIRE ALARM CONTROL PANEL
 - MANUAL CALL POINT (RESETTABLE)
 - BEACON
 - SOUNDER BELL (85 DB)

- 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)



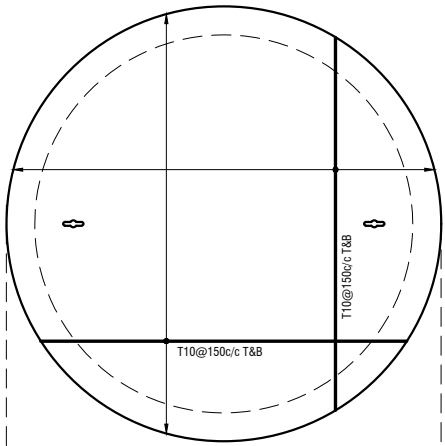
FIRST FLOOR FDP LAYOUT

SCALE 1:100

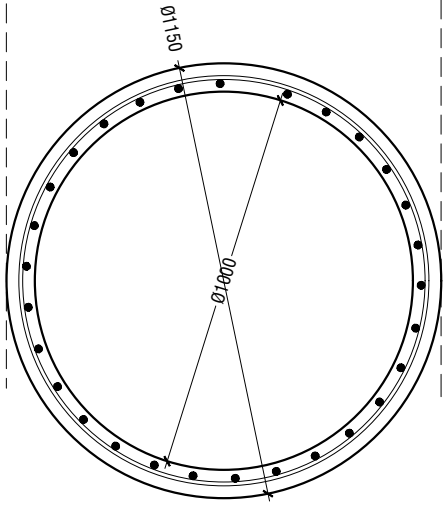
- LEGEND
- | | | | |
|---|--|---|--------------------------------|
|  | SMOKE DETECTOR |  | END OF LINE RESISTANCE |
|  | HEAT DETECTOR |  | FIRE ALARM CONTROL PANEL |
|  | EXIT SIGN |  | MANUAL CALL POINT (RESETTABLE) |
|  | EMERGENCY LIGHT |  | BEACON |
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|  | H ₂ O EXTINGUISHER (LOAD: 9L) IN POLYCARBONATE ENCLOSURE (TYP.) | | |

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4. ALL FIRE EXTINGUISHER INSIDE CABINETS. (CABINET SHOULD BE PROVIDED)

WATER TANK WALL TOP & BOTTOM SLAB



WATER TANK WALL REINF.

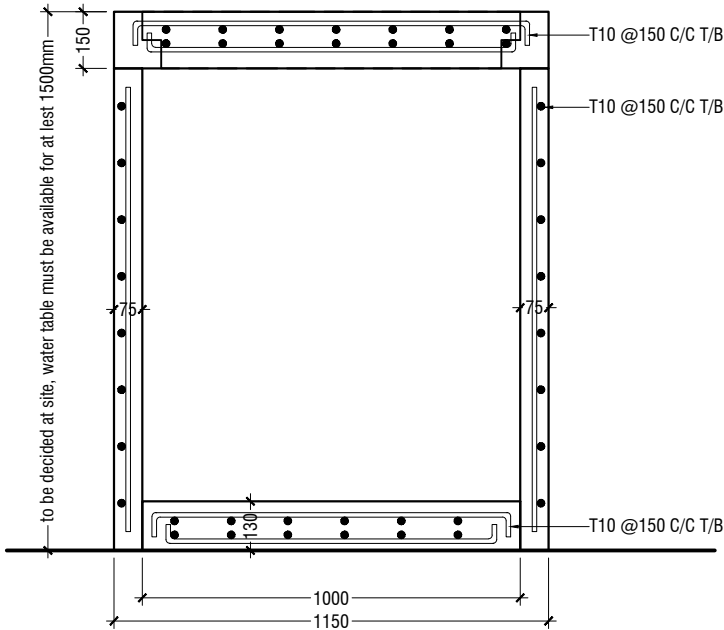


WATER TANK DETAILS

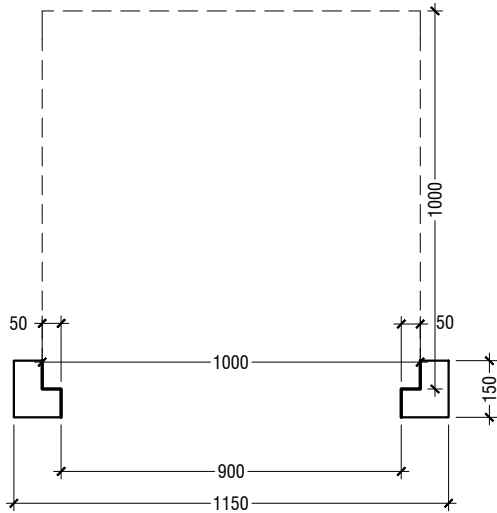
SCALE 1:20



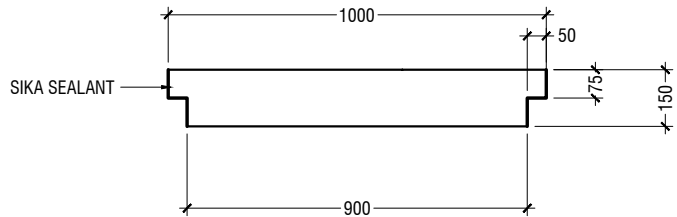
WATER TANK SECTION



ELEVATION

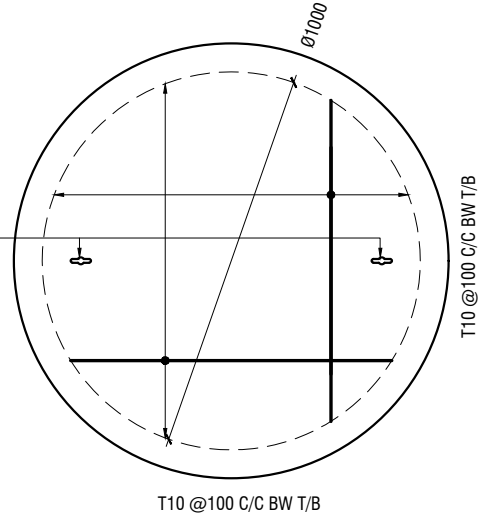


SECTION



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



Dh.Meedhoo School Hall
Client: Ministry of Education

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100	16/02/2020



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3rd Floor, H. Aalam, Alimuddeen Road, Malé

Title: Ground Water Well
Detail

Page: D - 01/01

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