

Proposed Multipurpose Hall Building at Ga.Kanduhulhudhoo School

SERVICES DRAWINGS
Client: Ministry of Education

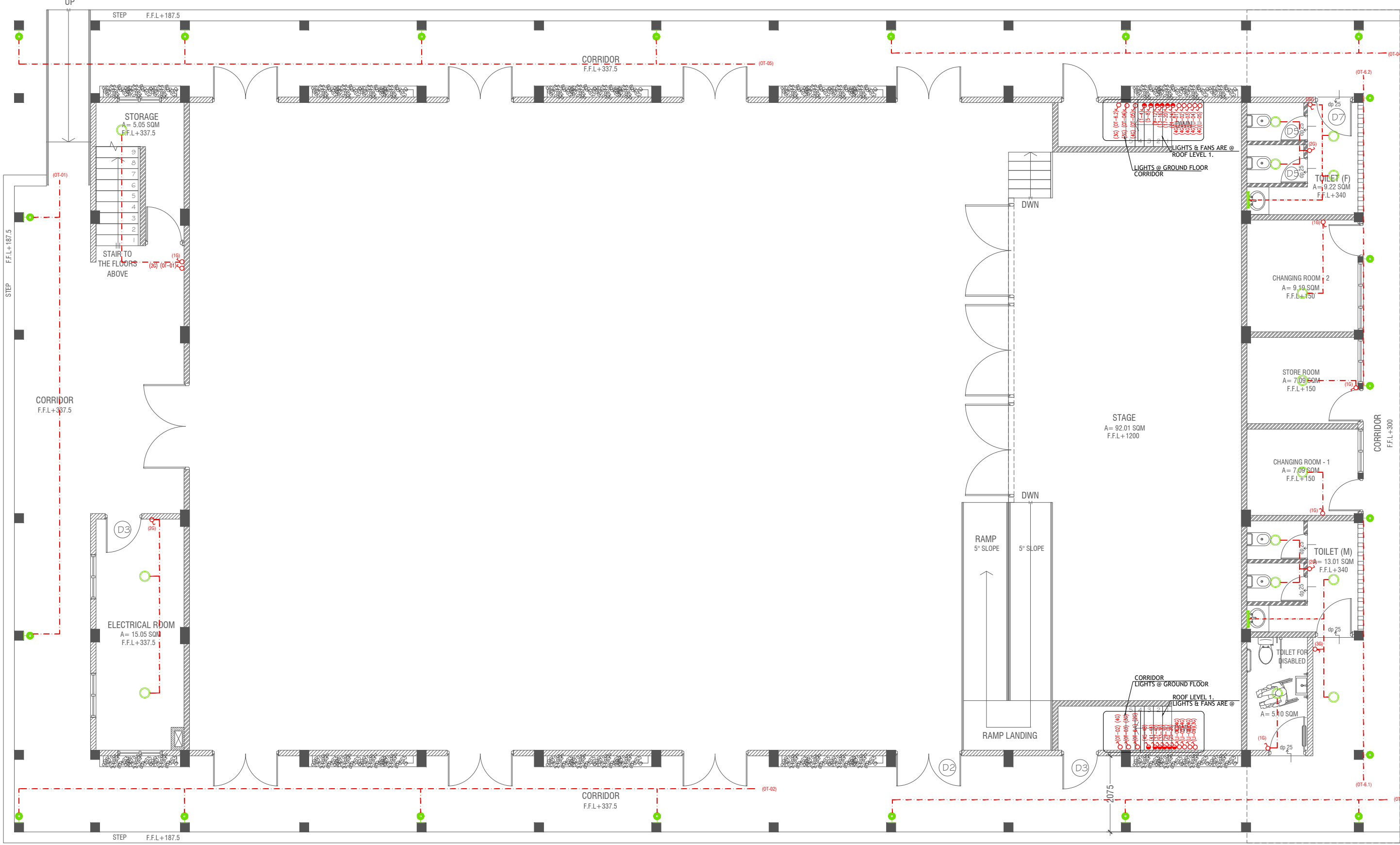


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3rd floor, H. Azum, Ameenemagu, Male'

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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)
- LED CEILING DOWN LIGHT (18W)
- CEILING FAN (52" - 54")
- 40W (IP 65) OUT DOOR WALL LIGHT
- MIRROR LIGHT (7W LED LIGHT)

- LIGHT SWITCH
- CEILING FAN SWITCH (4G)
- 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"

Ga. Kanduhudhoo School Hall
Client: Ministry of Education

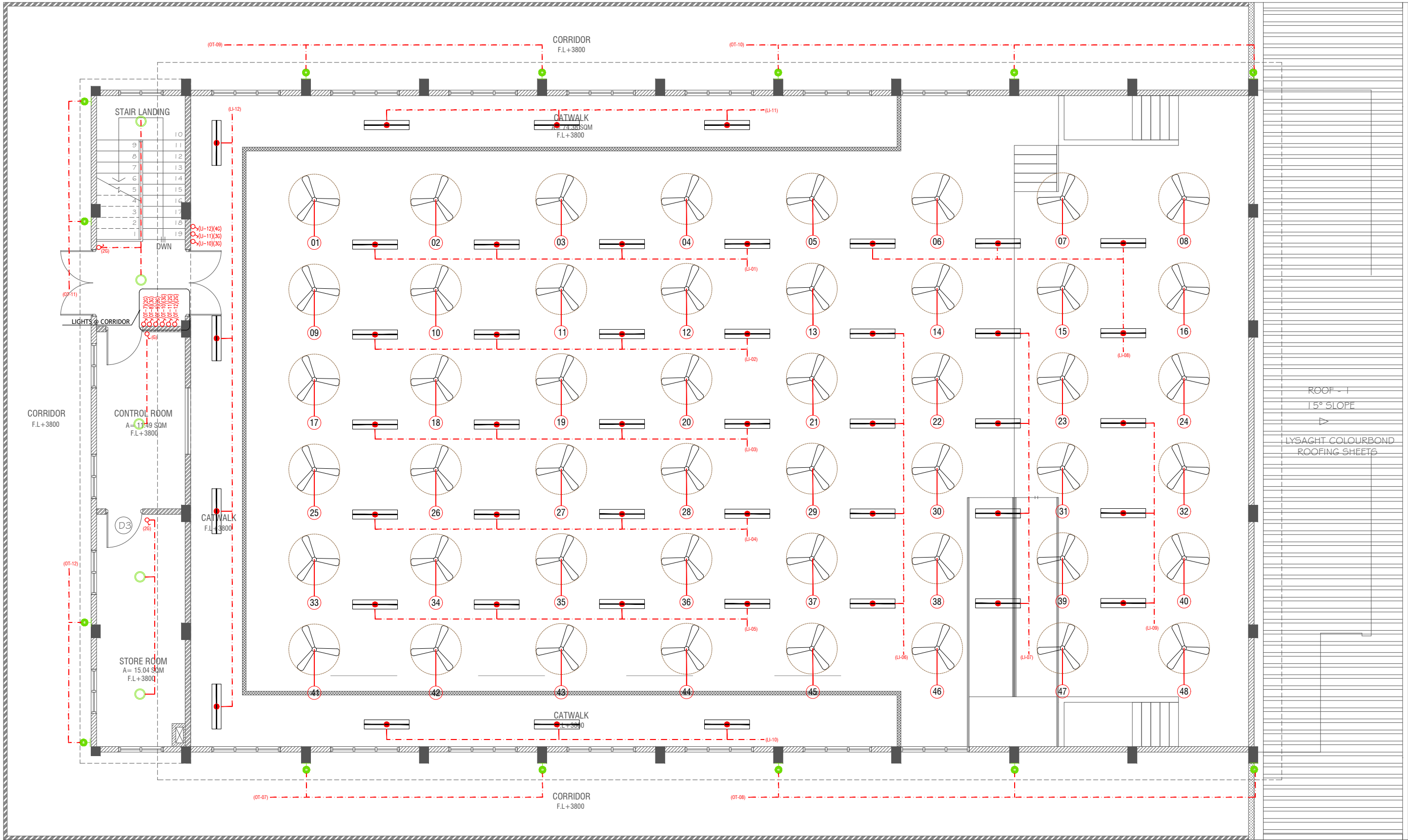
Project Number: B/2020/006
Date: March 2021
Architect: Mariyam Iqbal Shareef
Engineer: Mohamed Muthalib Waleed
Services: Aishah Ahmed
Interior :-



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

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FIRST FLOOR LIGHTING LAYOUT

SCALE 1:100

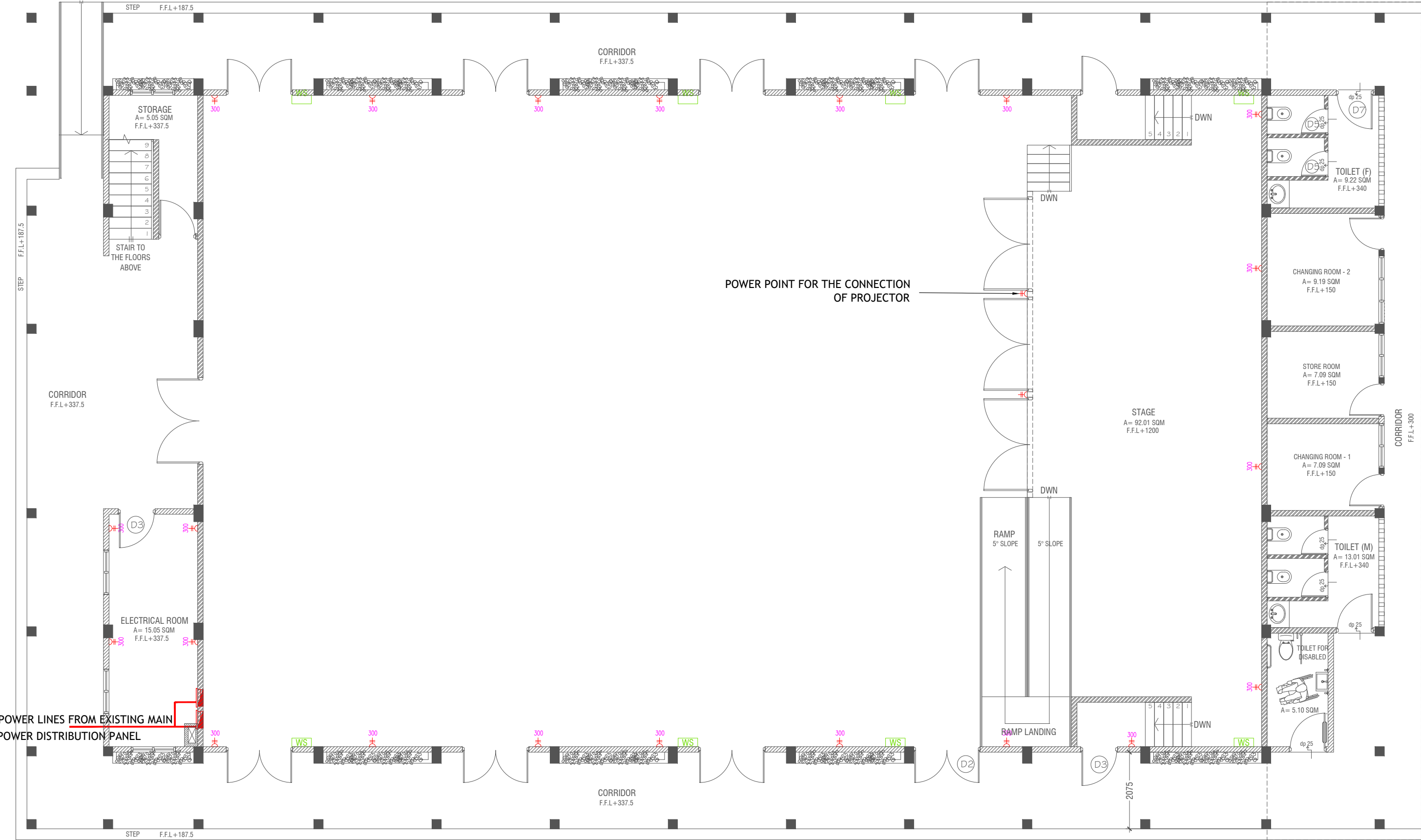
LEGEND

- 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
- ML MIRROR LIGHT (7W LED LIGHT)

- LIGHT SWITCH
- CEILING FAN SWITCH (4G)
- 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"



GROUND FLOOR POWER LAYOUT

SCALE 1:100

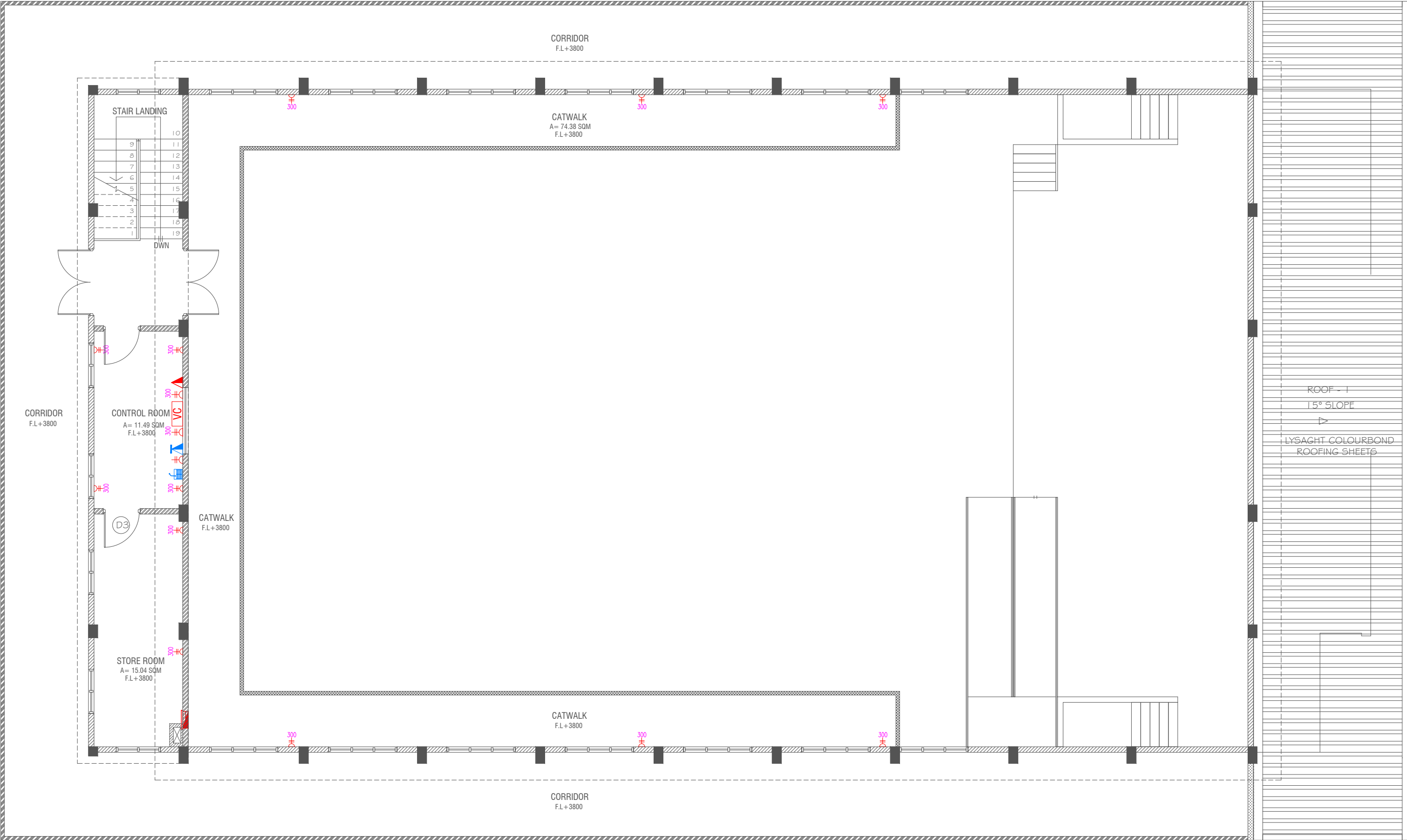


- PHONE EXTENSION
- COMPUTER NETWORK OUTLET (RJ 45 CONNECTORS)
- TELEPHONE OUTLET (RJ11, CONNECTOR)
- 13A POWER POINT
- 13A TWIN SOCKET OUTLET
- 15A.SWITCHED/ SPUR UNIT @ H.L.
- DISTRIBUTION BOX
- WALL SPEAKERS AT CEILING LEVEL

- 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
 - 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

Ga.Kanduhuldhoo School Hall

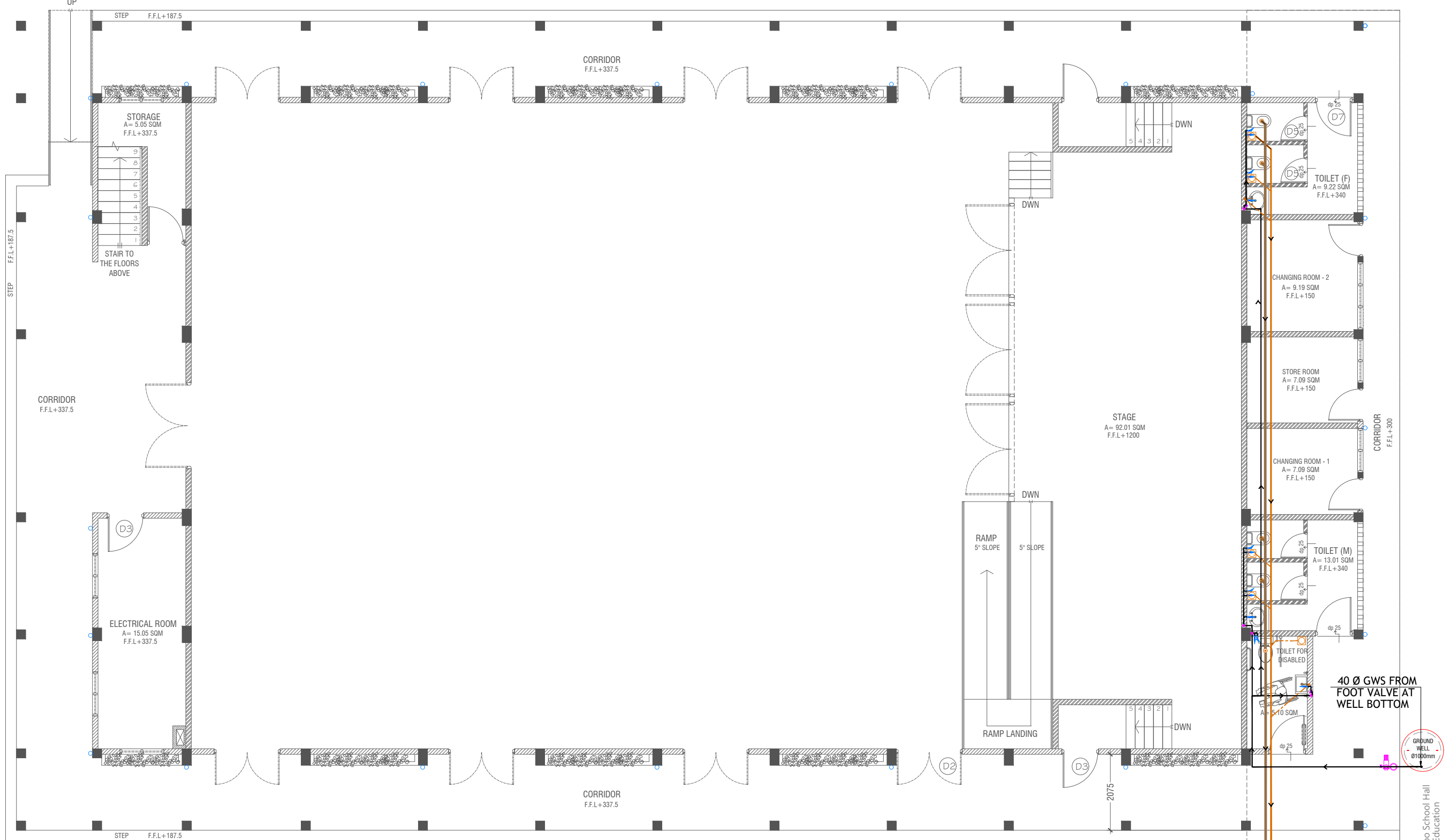
Client: Ministry of Education

Project Number: B/2020/006
Date: March 2021
Architect: Mariyam Idris Shireef
Engineer: Mohamed Muthalib Waleed
Services: Ashraf Ahmed
Interior: -

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3rd floor, H. Azam, Ammanmogu, Malé

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

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GROUND FLOOR PLUMBING & DRAINAGE LAYOUT

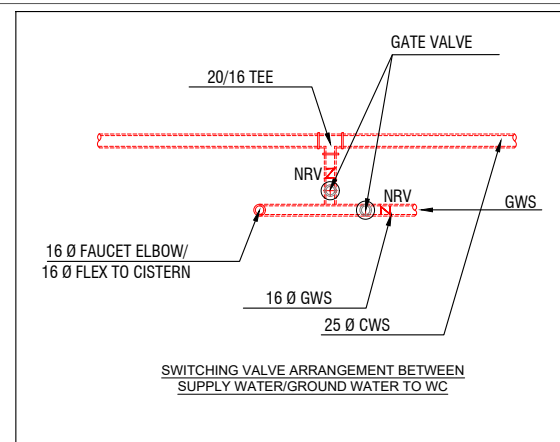
SCALE 1:100



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
-  110 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 LOACTION TO BE DECIDED

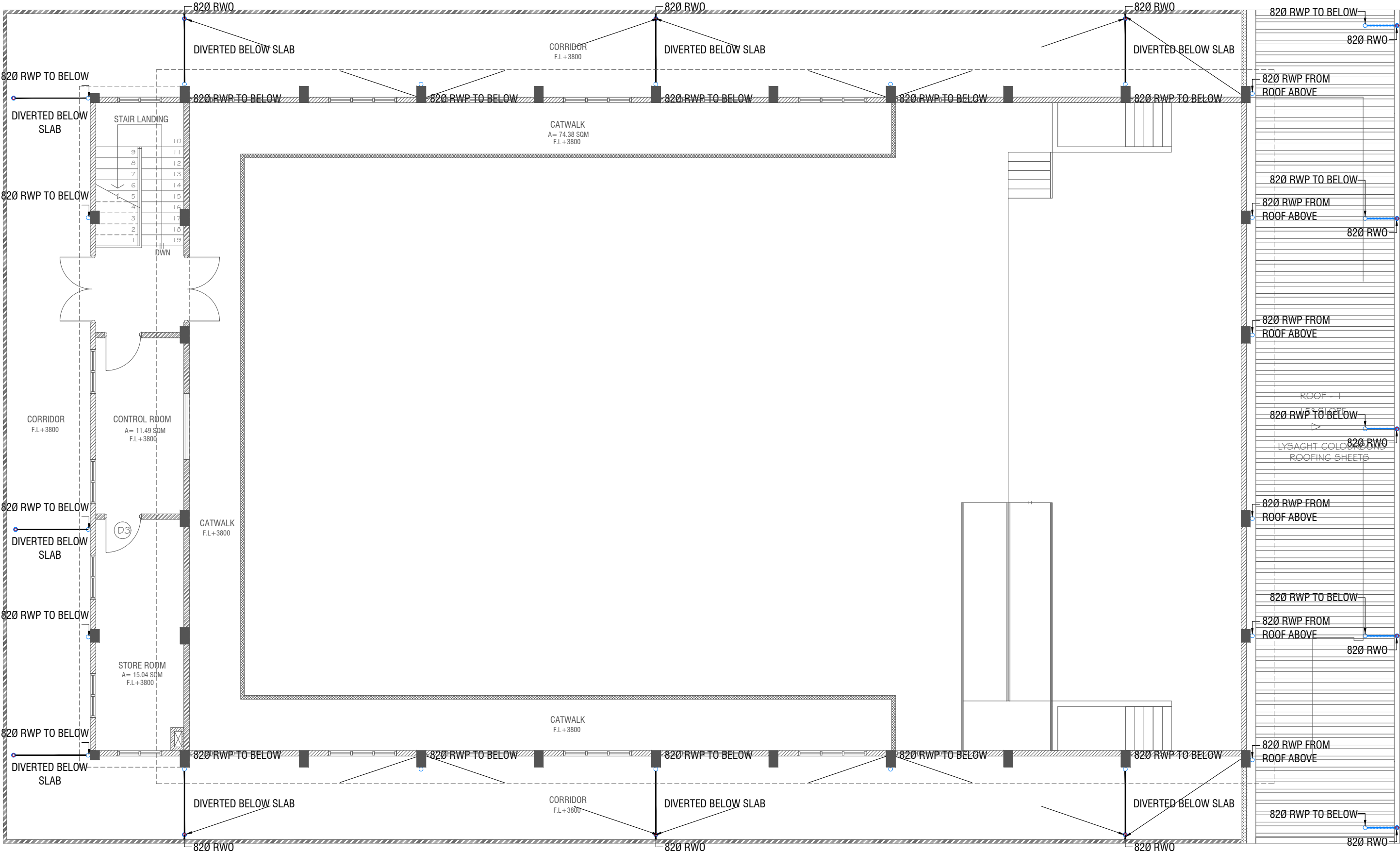
Ga.Kanduhuludhoo School Hall
Client: Ministry of Education

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



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Title: Ground Floor Plumbing & Drainage Layout

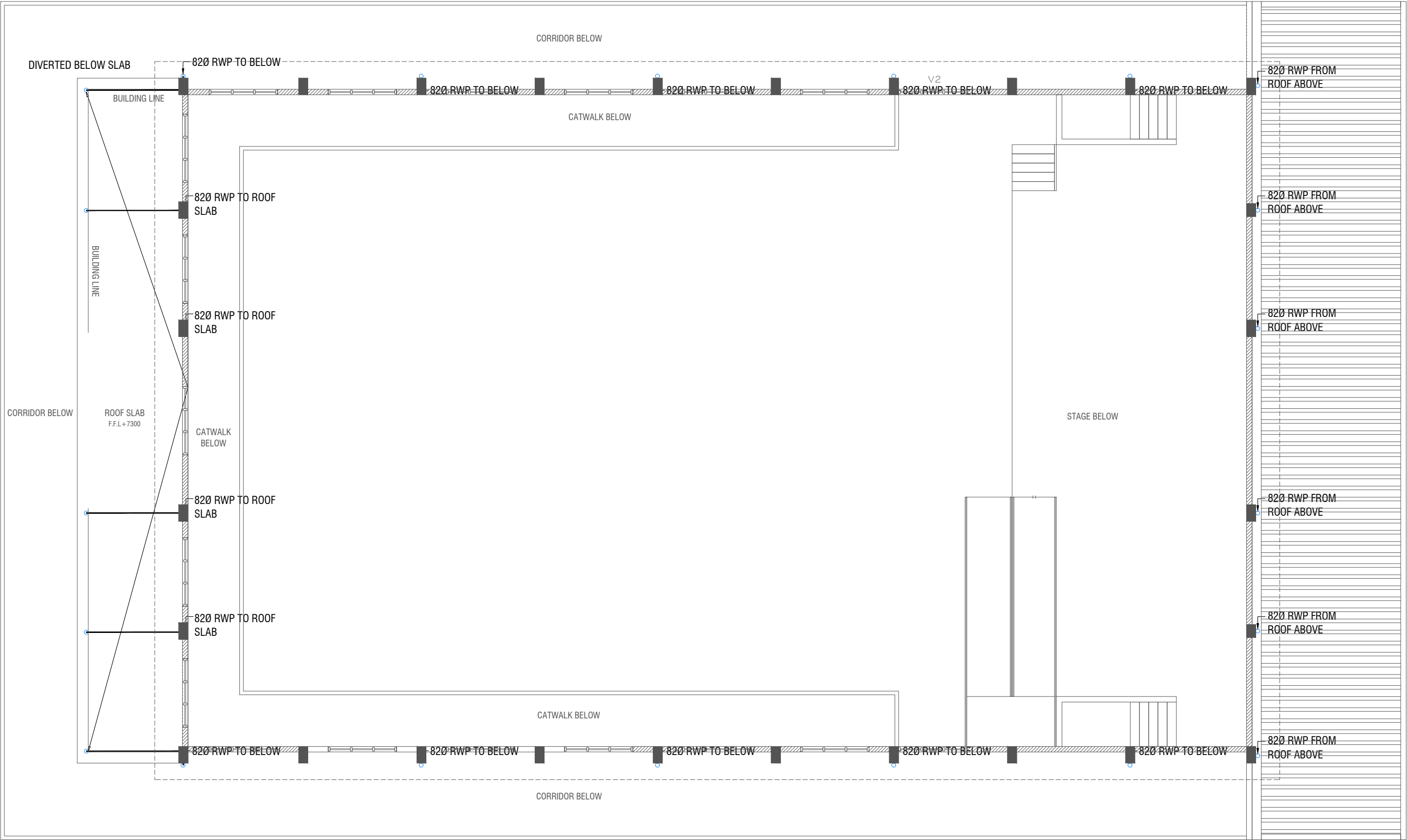


FIRST FLOOR DRAINAGE LAYOUT

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

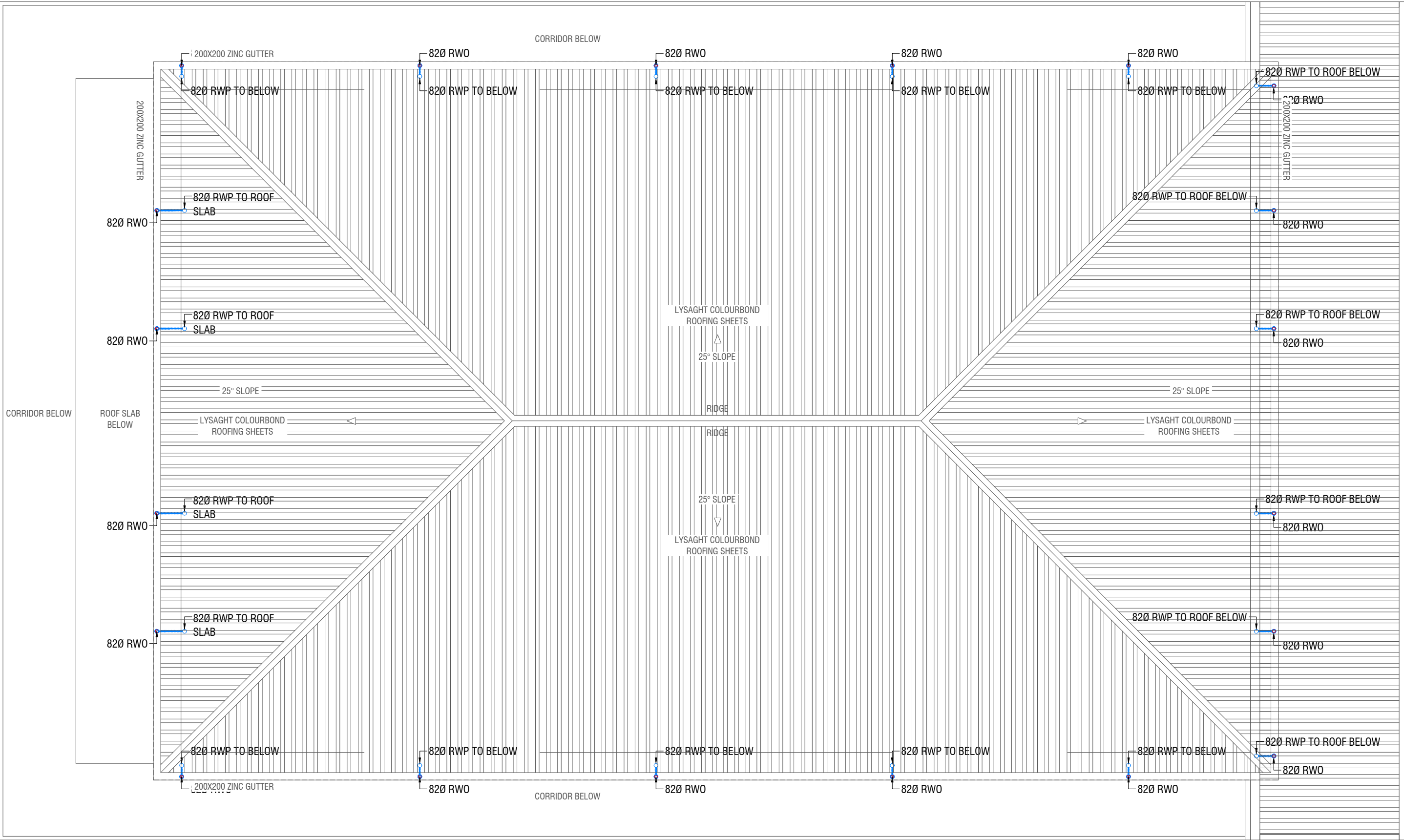


ROOF PLAN - 1 DRAINAGE LAYOUT



- 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



ROOF PLAN - 2 DRAINAGE LAYOUT



- 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

GaKanduhuldhoo School Hall
Client: Ministry of Education

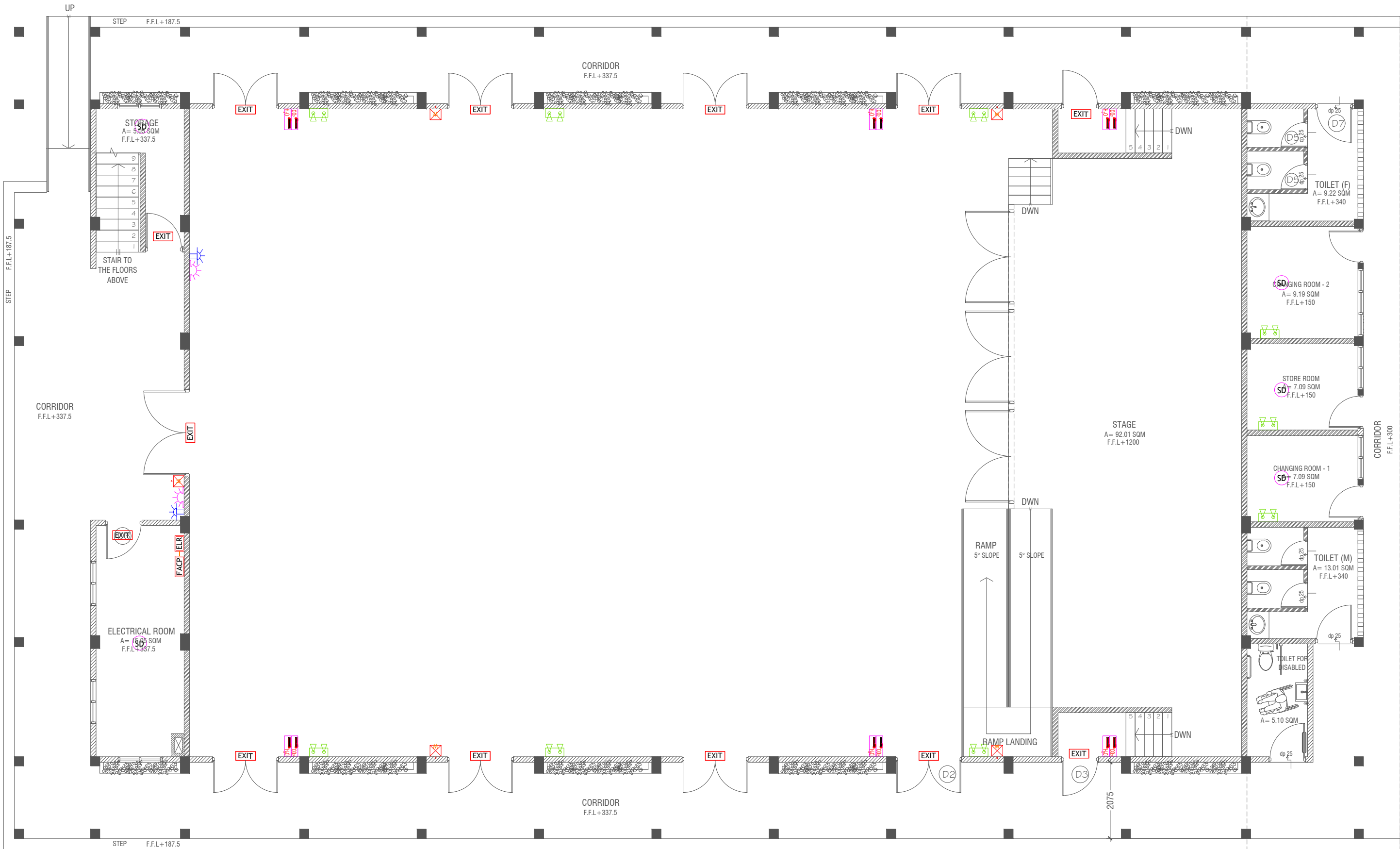
Project Number: B/2020/006
Date: March 2021
Architect: Mariyam Idris Shareef
Engineer: Mohamed Muhiyiddin Waleed
Services: Ashraf Ahmed
Interior: -



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Title: Roof Plan - 2
Drainage Layout
Page: DR - 04/04

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GROUND FLOOR FDP LAYOUT

SCALE 1:100



LEGEND

- SD SMOKE DETECTOR
- HD HEAT DETECTOR
- EXIT EXIT SIGN
- EM 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.)

- ELR END OF LINE RESISTANCE
- FACP 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/BRAKET SHALL BE HOT DIPPED GALVANIZED TO 1200AM.
4. ALL FIRE EXTINGUISHER INSIDE CABINETS. (CABINET SHOULD BE PROVIDED)

Ga.Kanduhudhoo School Hall
Client: Ministry of Education

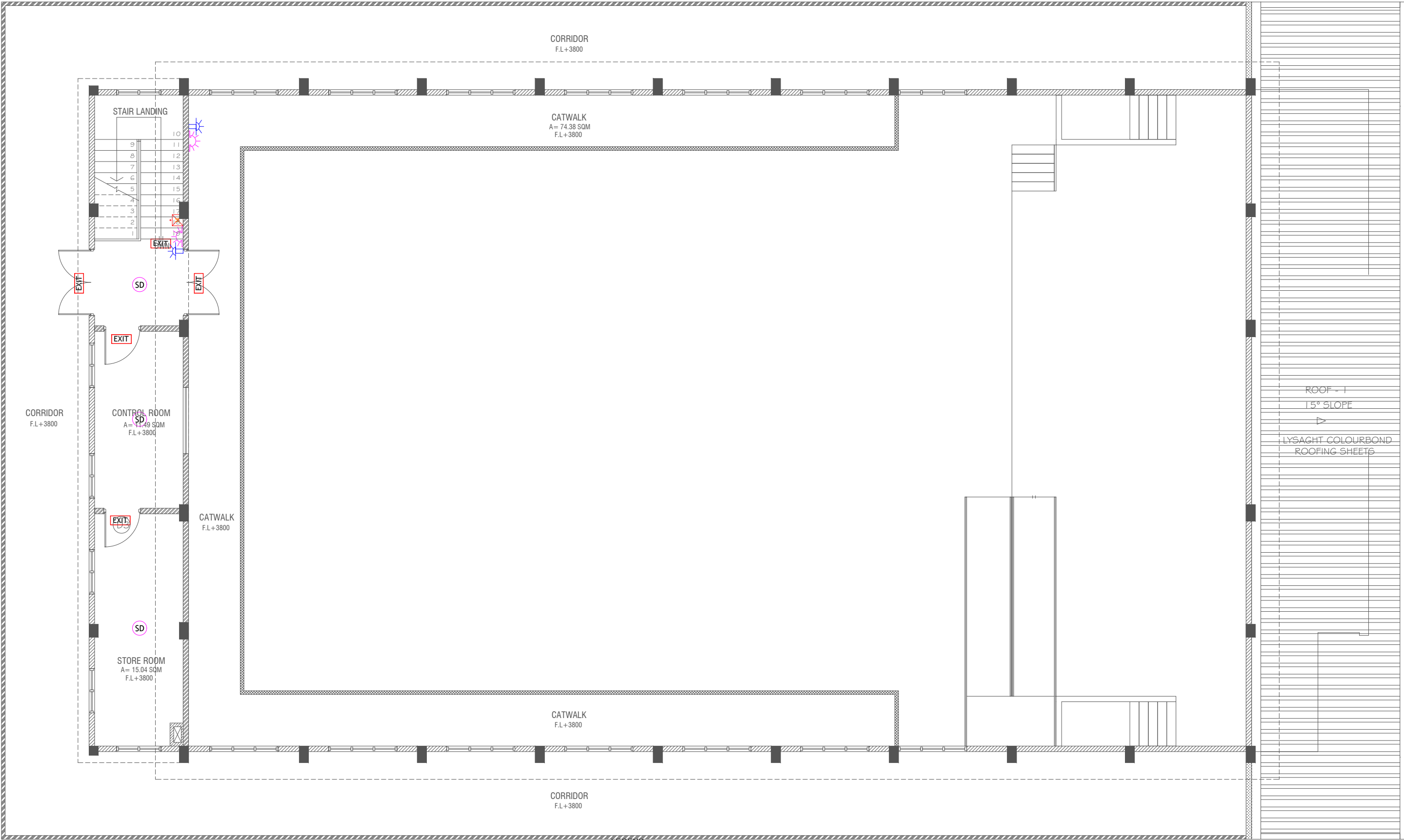
Project Number: B/2020/005
Date: May/2021
Architect: Mariyam Idris Shaeef
Engineer: Mohamed Muthalib Waleed
Services: Architectural
Interior: -



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

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FIRST FLOOR FDP LAYOUT

SCALE 1:100



LEGEND

- SD SMOKE DETECTOR
- HD HEAT DETECTOR
- EXIT EXIT SIGN
- EM 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.)

- ELR END OF LINE RESISTANCE
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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 1000AM.
- 4.ALL FIRE EXTINGUISHER INSIDE CABINETS. (CABINET SHOULD BE PROVIDED)

Ga.Kanduhulhoo School Hall
Client: Ministry of Education

Project Number: B/2020/006
Date: March 2021
Architect: Mariyam Iqbal Shareef
Engineer: Mohamed Muthalib Waleed
Services: Ashraf Ahmed
Interior: -



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Title: 1st Floor
FDP Layout
Page: FDP - 02/02

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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 B/B

Technical drawing of a rectangular plate with two L-shaped cutouts. The overall dimensions are 1150 mm in width and 1000 mm in height. The cutouts are located at the bottom corners, each with a width of 900 mm and a height of 1000 mm. The remaining material at the bottom corners is 50 mm wide and 150 mm high. The drawing includes dimension lines and arrows indicating the measurements.

- 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