

Proposed Multipurpose Hall & 8 Classroom Building at Aa.Ukulhas School

SERVICES *DRAWINGS*
Client: Ministry of Education



RIYAN PRIVATE LIMITED

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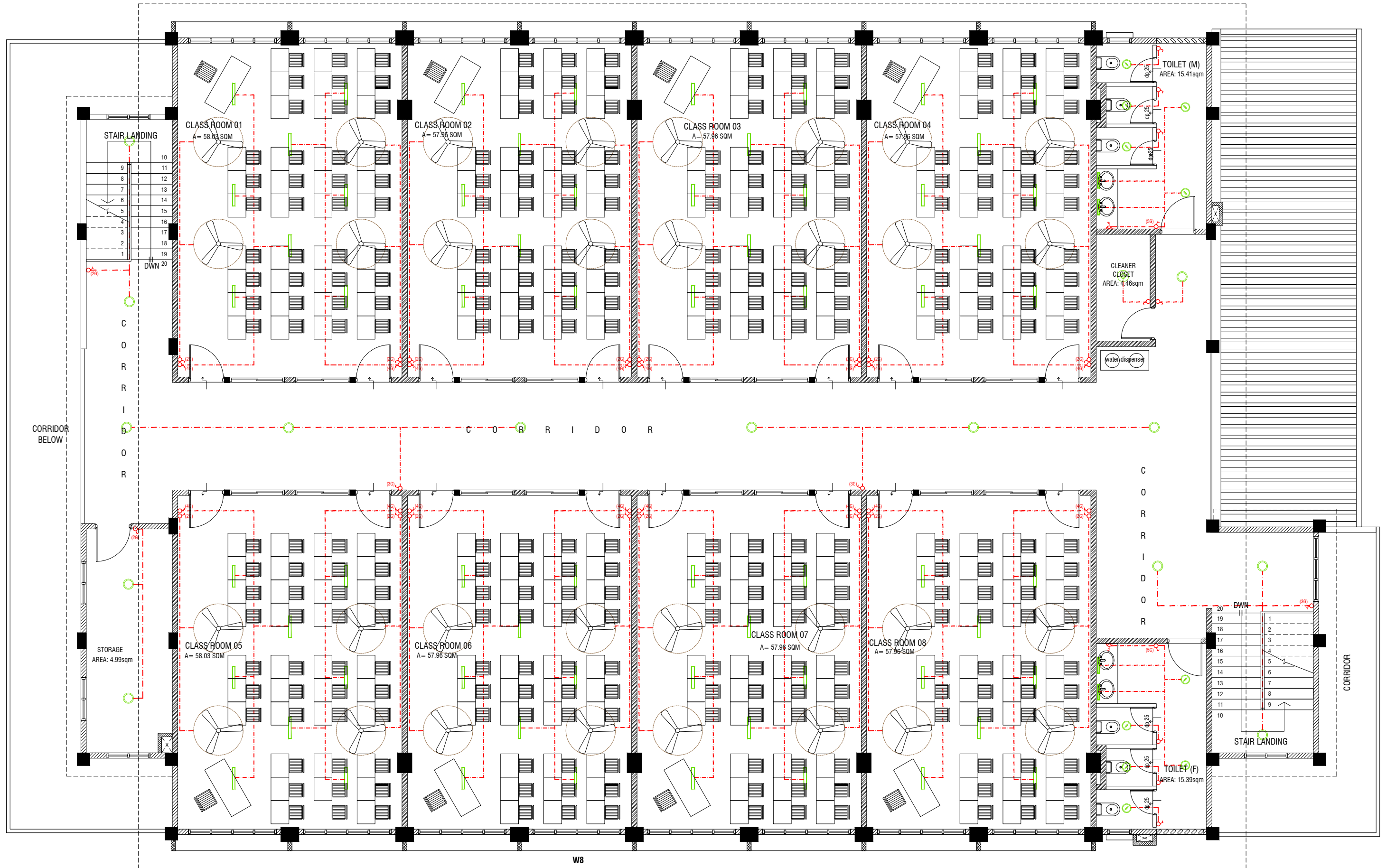
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3rd floor, H. Azum, Arneeneemagu, Male'

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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



NOTE:

- ALL WIRING TO BE OF SELCO 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

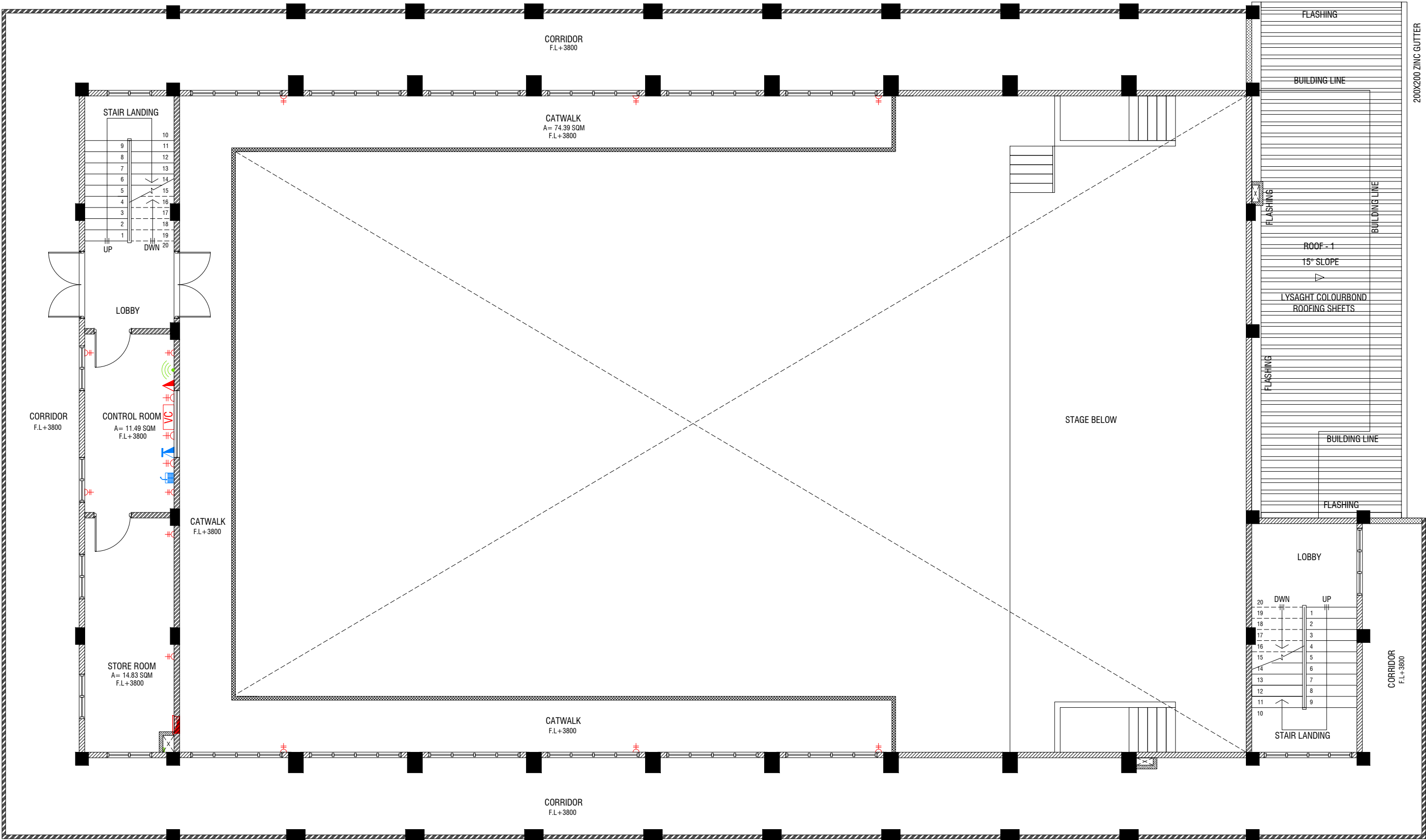
Aa Ukulhas School Multipurpose Hall & 8 Classroom

Client: Ministry of Education

Project: Aa Ukulhas School Multipurpose Hall & 8 Classroom
Date: May 2021
Architect: Fahimath Leena Jaleel
Engineer: Mohamed Muftahab Waleed
Services: Aa Ukulhas School
Interior

Rev no

Date



FIRST FLOOR POWER LAYOUT

SCALE 1:100

LEGEND

- DATA POINT
- 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



PUBLIC ADDRESS SYSTEM



PHONE EXTENSION

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

TO SUPPLY AND INSTALL PANEL BOARD WITH KWh METER. WIRING AND CONNECTION TO MAIN PANEL BOARD FROM MAIN ELECTRICAL NETWORK TO BE DECIDED ON SITE

Aa Ukulhas School Multipurpose Hall & 8 Classroom

Client: Ministry of Education

Rev no Date
1 1 May 2021
2 1 May 2021
3 1 May 2021
4 1 May 2021
5 1 May 2021
6 1 May 2021
7 1 May 2021
8 1 May 2021
9 1 May 2021
10 1 May 2021
11 1 May 2021
12 1 May 2021
13 1 May 2021
14 1 May 2021
15 1 May 2021
16 1 May 2021
17 1 May 2021
18 1 May 2021
19 1 May 2021
20 1 May 2021

Architect: Fahimath Leena Jaleel
Engineer: Mohamed Muftakhir Waleed
Services: Aisath Ahmed
Interior: -



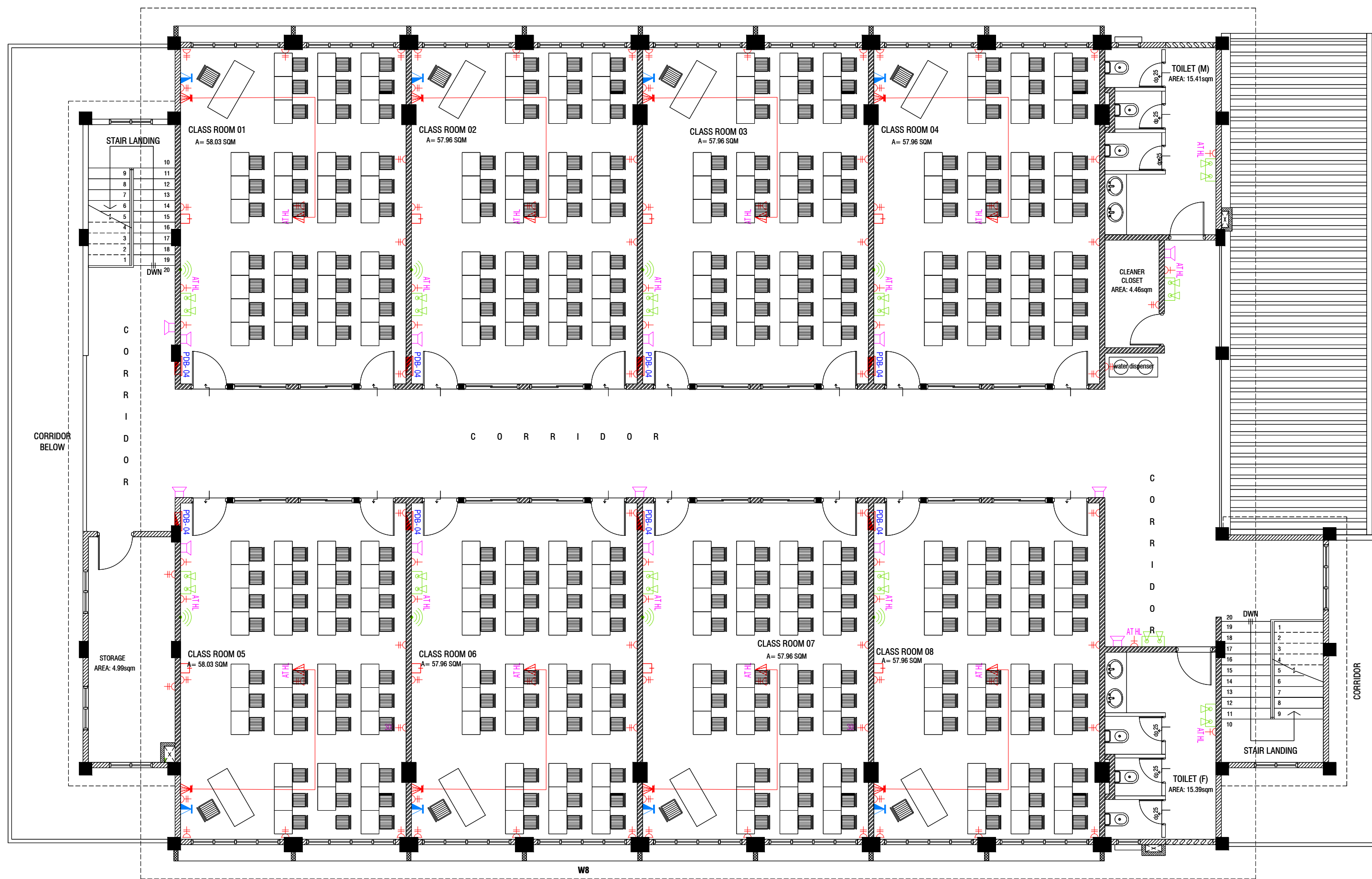
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3rd Floor, H. Al-Qur, Amman, Jordan

Title: 1st Floor Power Layout
Page: EP - 02/03

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SECOND FLOOR POWER LAYOUT

SCALE 1:100



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 OUTLET

- 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 TO BE DECIDED ON SITE

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

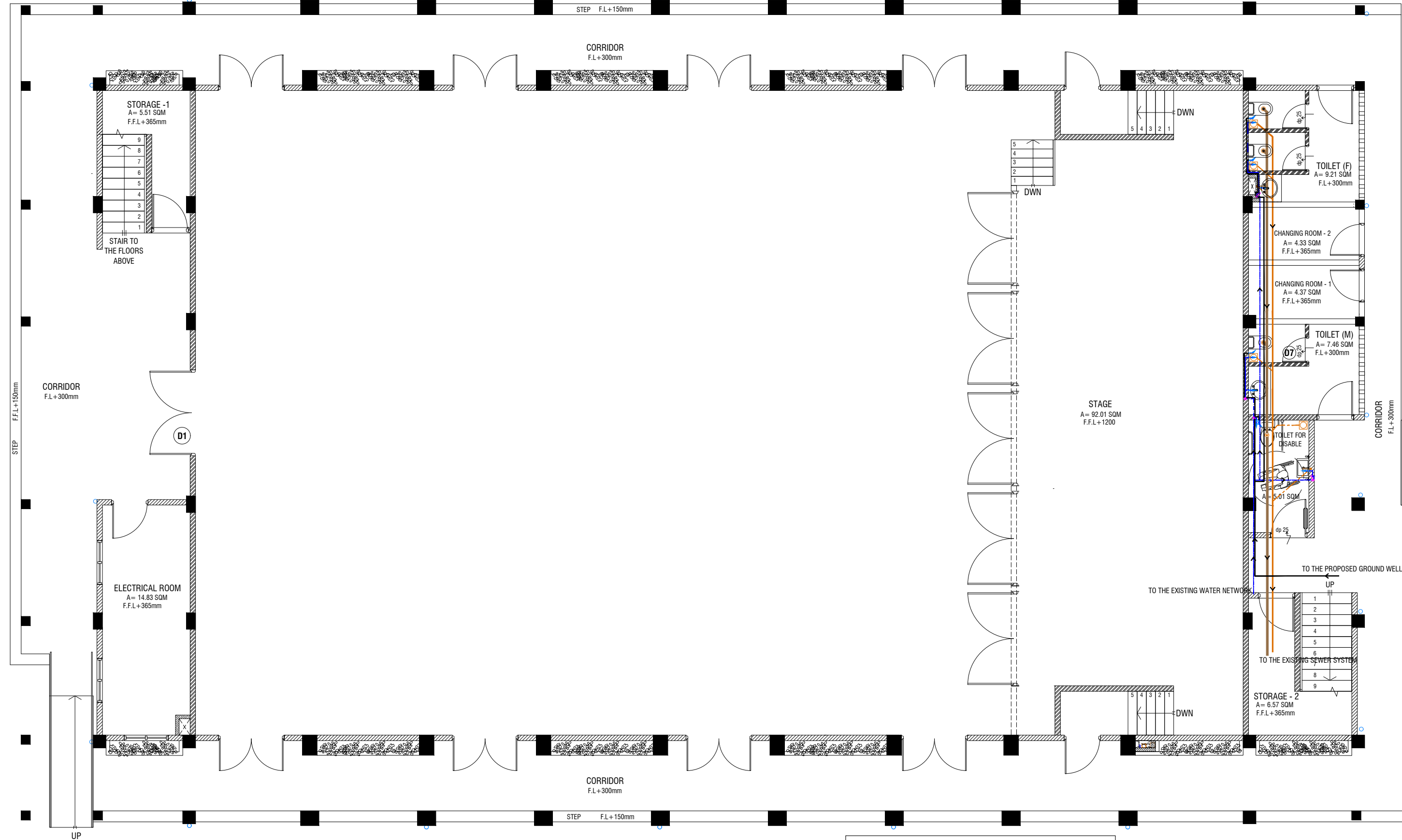
Aa Ukuhas School Multipurpose Hall & 8 Classroom

Client: Ministry of Education

Project No: 162202006
Date: 1 May 2021
Architect: Fahimah Leena Jaleel
Engineer: Mohamed Muhtashim Waleed
Services: Aisath Ahmed
Interior : -

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3rd Floor, H. Al-Qur, Amman, Jordan

Title: 2nd Floor Power Layout
Page: EP - 03/03



GROUND FLOOR PLUMBING & DRAINAGE LAYOUT

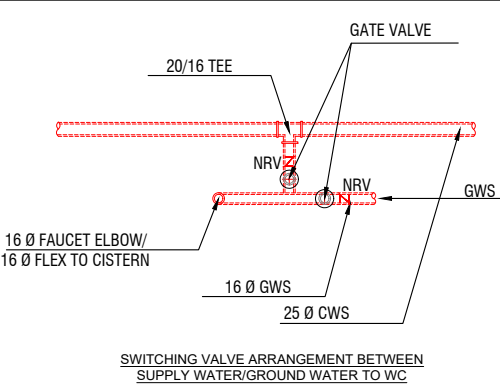
SCALE 1:100

LEGEND

- FC 16Ø COLD WATER SUPPLY FAUCET / WALL TAP/SINK
16Ø COLD WATER SUPPLY TO CISTERN
GV GATE VALVE
RISE IN WALL
DROP IN WALL

- 32Ø COLD WATER SUPPLY PIPES RUNNING UNDERGROUND
25Ø COLD WATER SUPPLY PIPES RUNNING IN WALLS
25Ø COLD WATER SUPPLY PIPES RUNNING UNDERGROUND
25Ø COLD WATER SUPPLY PIPES RUNNING ABOVE FALSE CEILING

- FLOOR DRAIN
FLOOR GULLY
110Ø SOIL PIPE (CPVC PIPE)
82Ø WASTE PIPE (CPVC PIPE)
40Ø WASTE PIPE (CPVC PIPE)
50Ø WASTE PIPE (CPVC PIPE)
82Ø 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

NOTE:

- GROUND WATER WELL IS USED ONLY FOR FLUSHING, UNLESS FOR ANY OTHER PURPOSES, DUE TO THE ABSENCE OF SUPPLY WATER

Aa Ukulhas School Multipurpose Hall & 8 Classroom

Client: Ministry of Education

Date: 1 May 2021

Rev no

Date

Rev no

Date

Rev no

Date

Rev no

Date

Rev no

Date



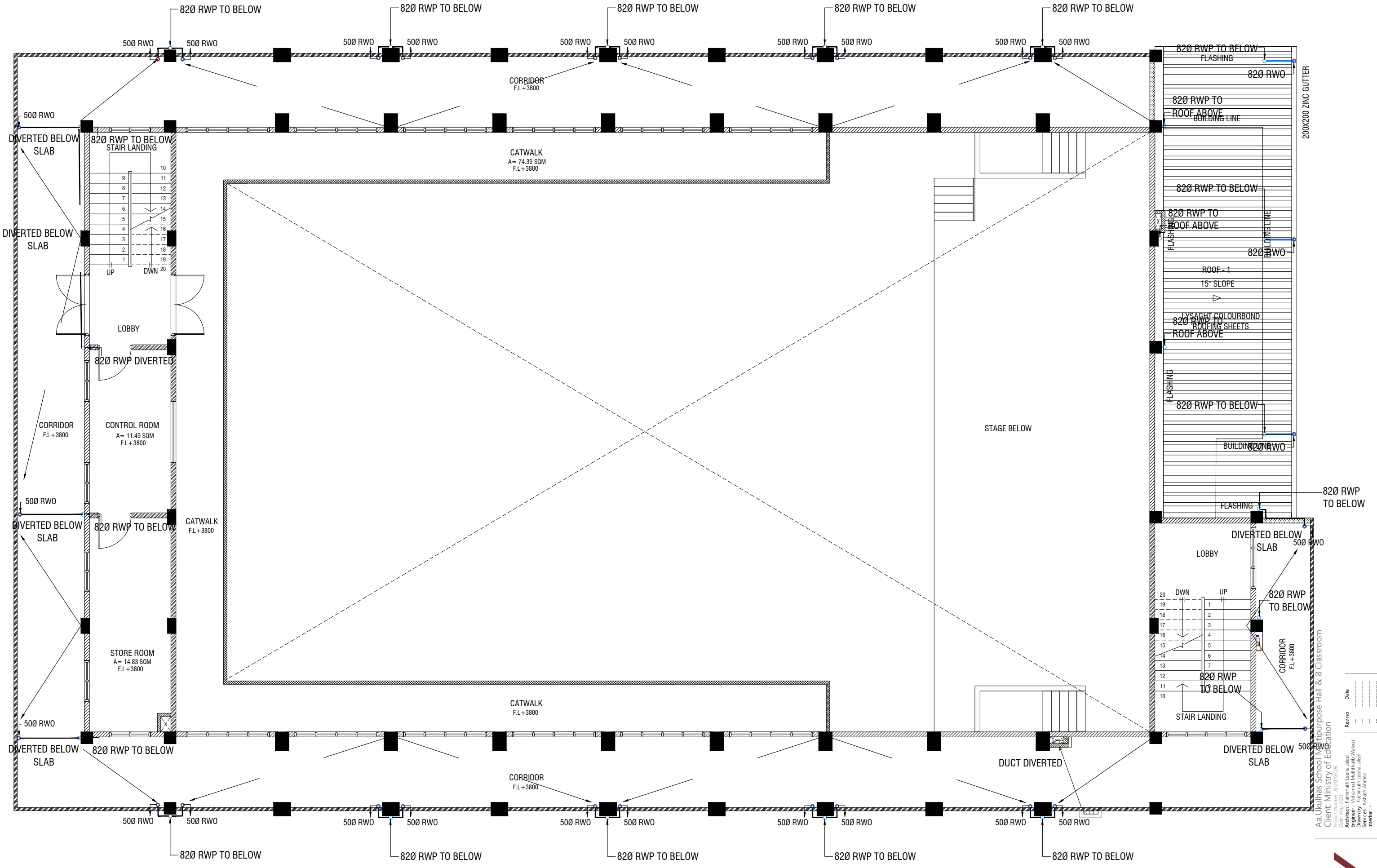
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3rd Floor, H. Al-Qur, Al-Musalla, Musalla

Title: Ground Floor Plumbing & Drainage Layout

Page: DR - 01/05

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FIRST FLOOR DRAINAGE LAYOUT

SCALE 1:100

LEGEND

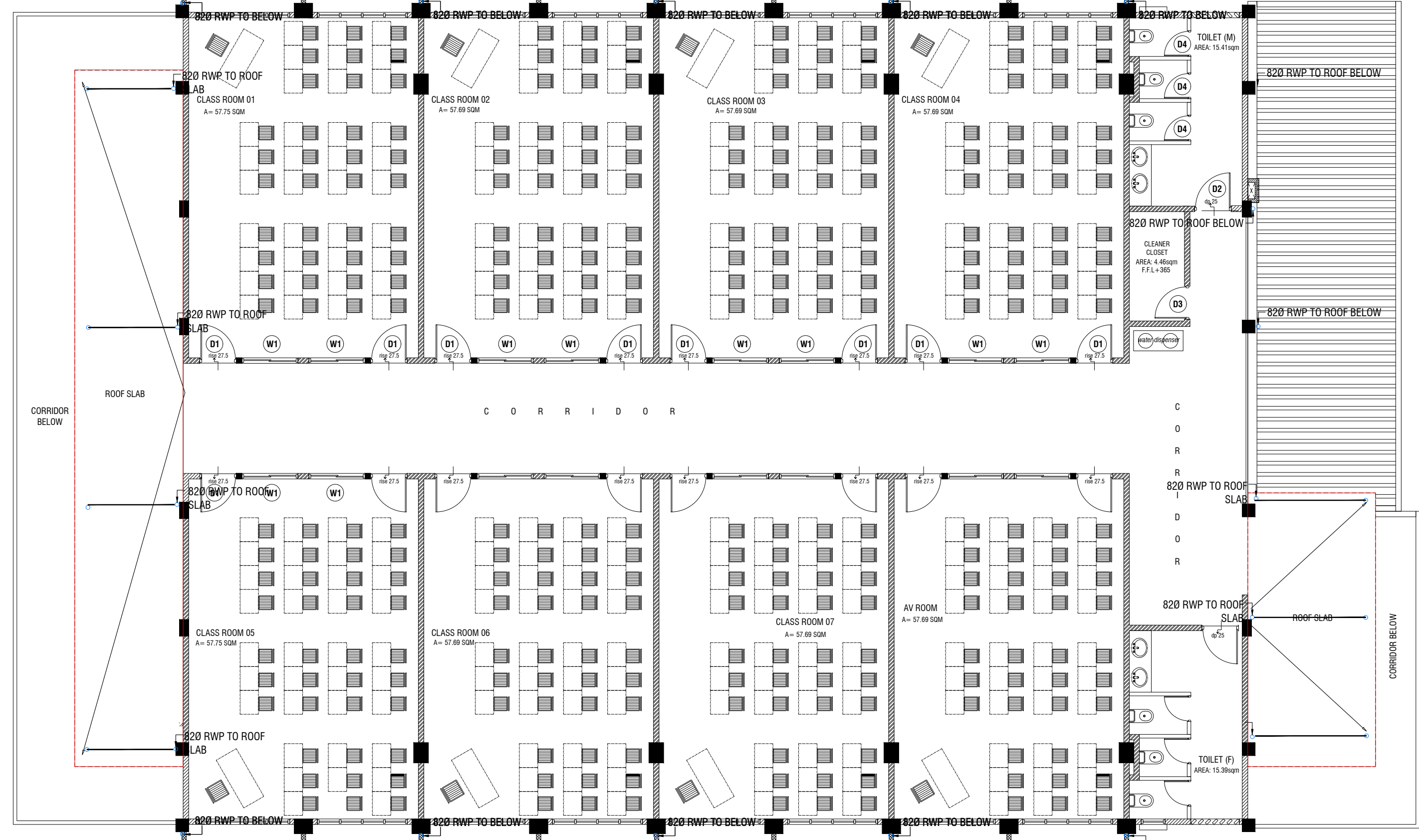
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|----|---|----------------------------|-----------------------------|
| FC | 160 COLD WATER SUPPLY FAUCET / WALL TAP/SINK | FLOOR DRAIN | 820/50 Ø RAINWATER PIPE |
| GV | 160 COLD WATER SUPPLY TO CISTERN | FLOOR GULLY | 820/50 Ø DRAIN OUTLET |
| GV | GATE VALVE | 1100 SOIL PIPE (CPVC PIPE) | CD 25 Ø DRAIN PIPE |
| ⊕ | RISE IN WALL | 820 WASTE PIPE (CPVC PIPE) | MHVP 50 Ø MANHOLE VENT PIPE |
| ⊗ | DROP IN WALL | 400 WASTE PIPE (CPVC PIPE) | |
| — | 320 COLD WATER SUPPLY PIPES RUNNING UNDERGROUND | 500 WASTE PIPE (CPVC PIPE) | |

NOTE:
- ALL RAINWATER PIPES TO BE AT GROUND LEVEL
DISCHARGED THROUGH A PERFORATED COWL OR TO A SOAK PIT

Aa Ukulhas School Multipurpose Hall & 8 Classroom
Client: Ministry of Education
Date: 1 May 2021
Architect: Fahimath Leena Jaleel
Engineer: Mohamed Muhtashim Waleed
Services: Asst. Architect
Interior : -

ROOF -1 DRAINAGE LAYOUT

SCALE 1:100



LEGEND

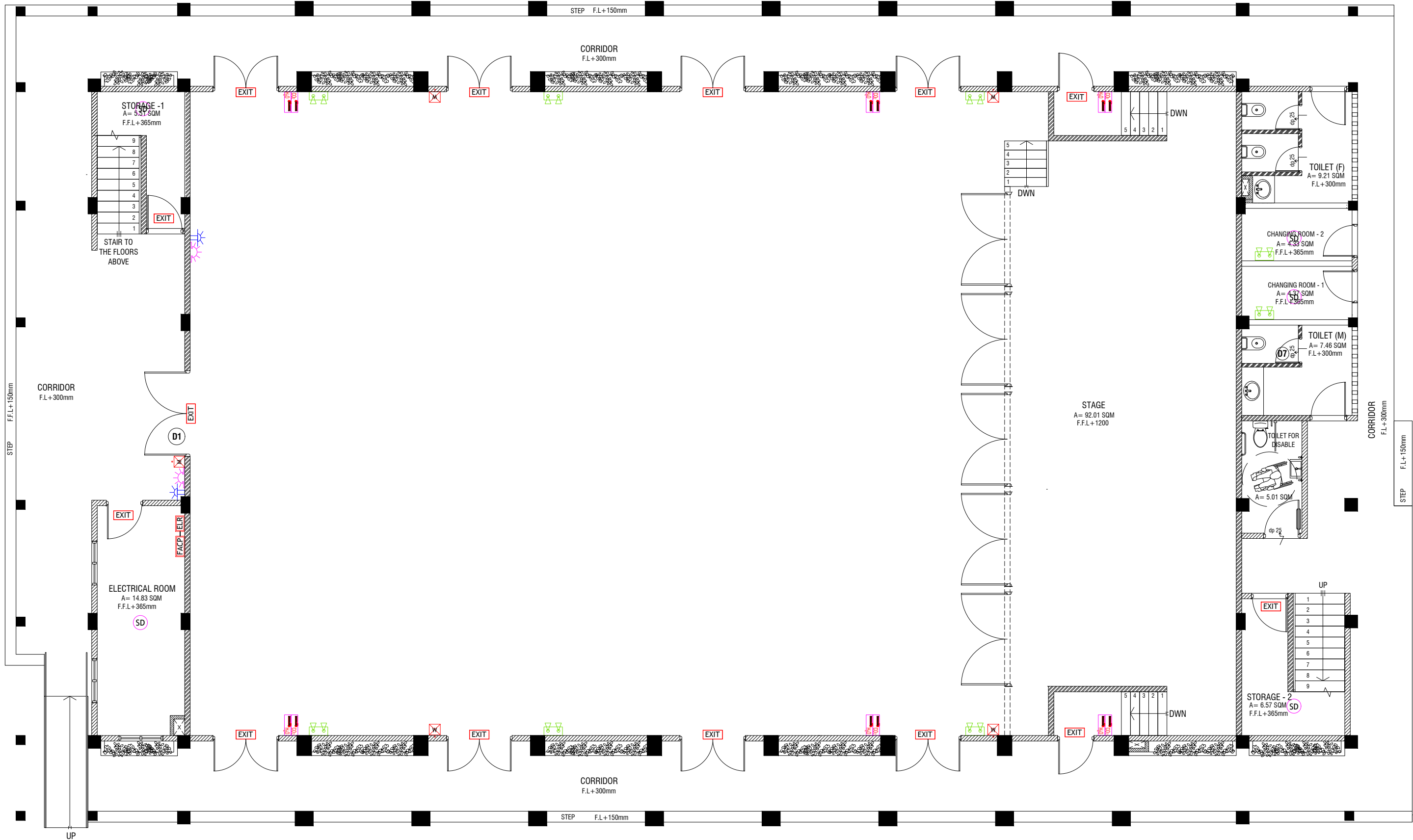
- FC 160 COLD WATER SUPPLY FAUCET / WALL TAP/SINK
- 160 COLD WATER SUPPLY TO CISTERN
- GV GATE VALVE
- RISE IN WALL
- DROP IN WALL
- 320 COLD WATER SUPPLY PIPES RUNNING UNDERGROUND
- 250 COLD WATER SUPPLY PIPES RUNNING IN WALLS
- 250 COLD WATER SUPPLY PIPES RUNNING UNDERGROUND
- 250 COLD WATER SUPPLY 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
- 82/50 Ø RAINWATER PIPE
- 82/50 Ø DRAIN OUTLET
- 25 Ø DRAIN PIPE
- 50 Ø MANHOLE VENT PIPE

NOTE:
- GROUND WATER WELL IS USED ONLY FOR FLUSHING, UNLESS FOR ANY OTHER PURPOSES, DUE TO THE ABSENCE OF SUPPLY WATER

Aa Ukulhas School Multipurpose Hall & 8 Classroom
Client: Ministry of Education
Project No: 162202006
Date: May 2021
Architect: Fahimath Leena Jaleel
Engineer: Mohamed Muftakhir Waleed
Services: AUSAH Attired
Interior : -



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3rd Floor, H. Al-Ain, Amman, Jordan



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: 8L) 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 100MM
 4. ALL FIRE EXTINGUISHER INSIDE CABINETS, (CABINET SHOULD BE PROVIDED)

Aa Ukulhas School Multipurpose Hall & 8 Classroom

Client: Ministry of Education

Project Name: Aa Ukulhas School Multipurpose Hall & 8 Classroom
Date: 1 May 2021
Architect: Fahimah Leena Jaleel
Engineer: Mohamed Muftakhir Waleed
Services: Aa Ukulhas School
Interior: -

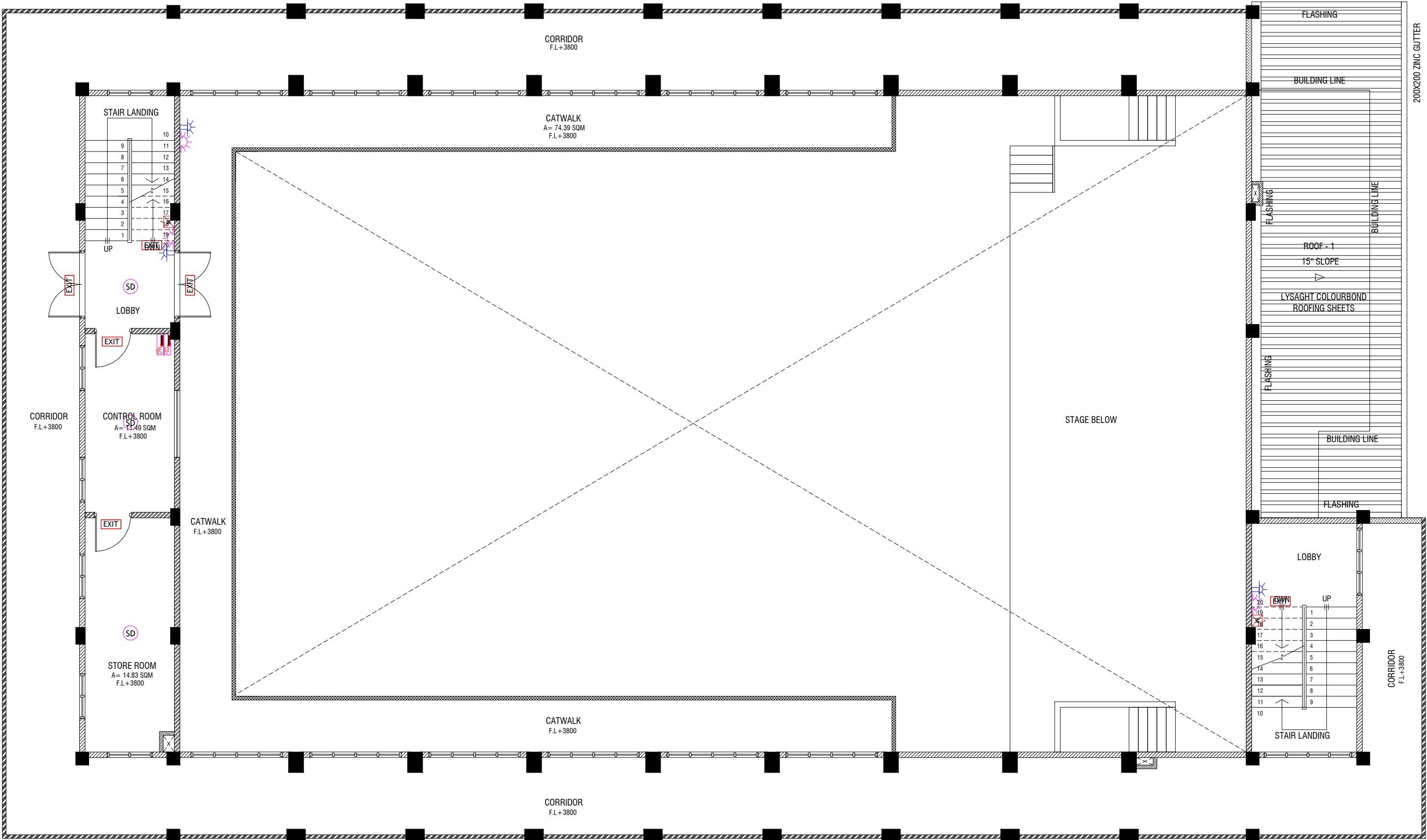
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Title: Ground Floor FDP Layout
Page: FDP - 01/03

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FIRST FLOOR FDP LAYOUT



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(BRACKET) SHALL BE HOT DIPPED GALVANIZED TO 100MM
- 4. ALL FIRE EXTINGUISHER INSIDE CABINETS, (CABINET SHOULD BE PROVIDED)

200X200 ZINC GUTTER

Aa Ukulhas School Multipurpose Hall & 8 Classroom

Client: Ministry of Education

Project Name: Aa Ukulhas School Multipurpose Hall & 8 Classroom

Date: 1 May 2021

Rev no

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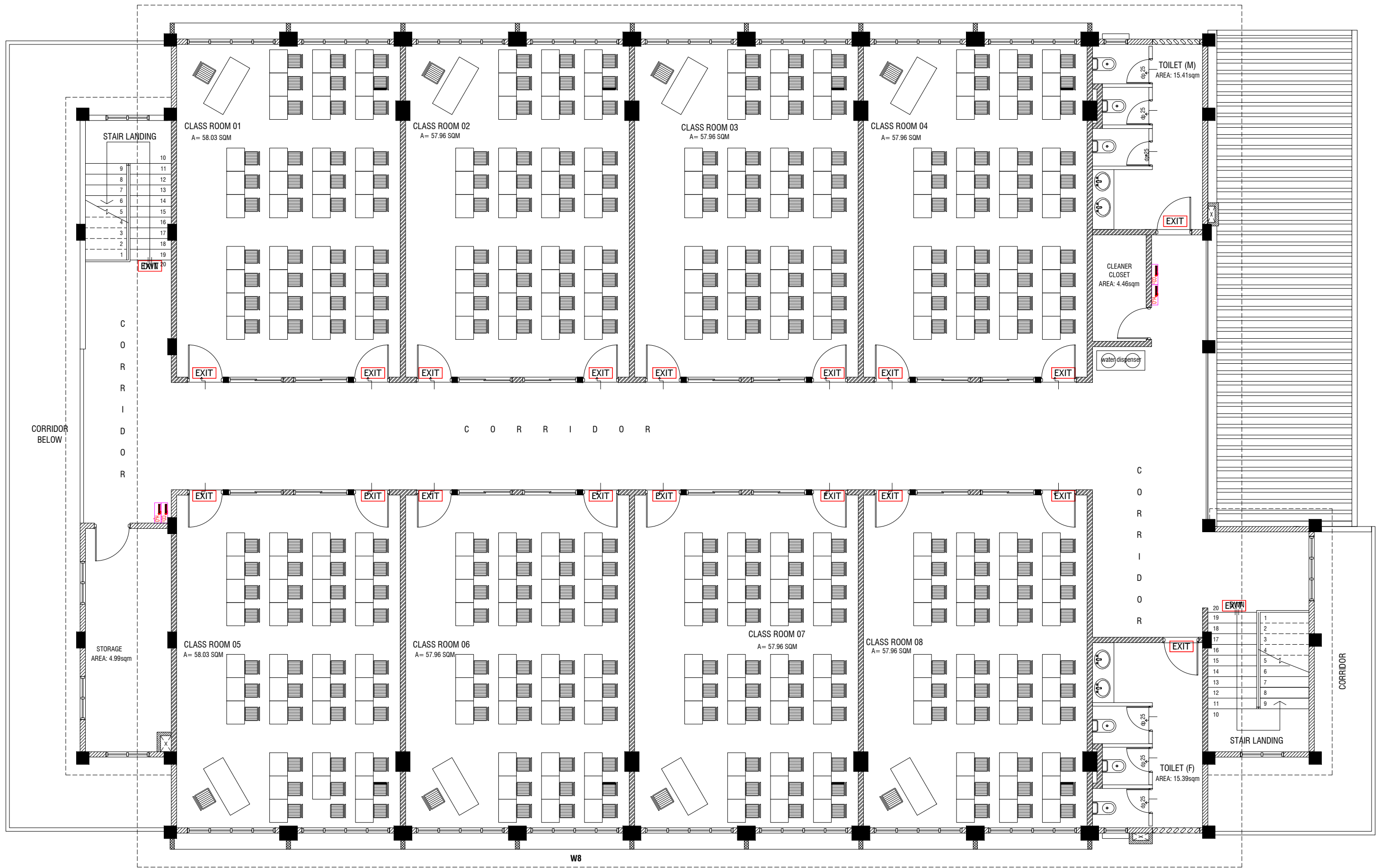
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Rev no

Date

Rev no

Date



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.)

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/BRACKET 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 Ukulhas School Multipurpose Hall & 8 Classroom

Client: Ministry of Education

Project No: 162/202/006

Date: May 2021

Architect: Fahimath Leena Jaleel

Engineer: Mohamed Muftahab Waleed

Services: Aisath Ahmed

Interior : -

Rev no

Date

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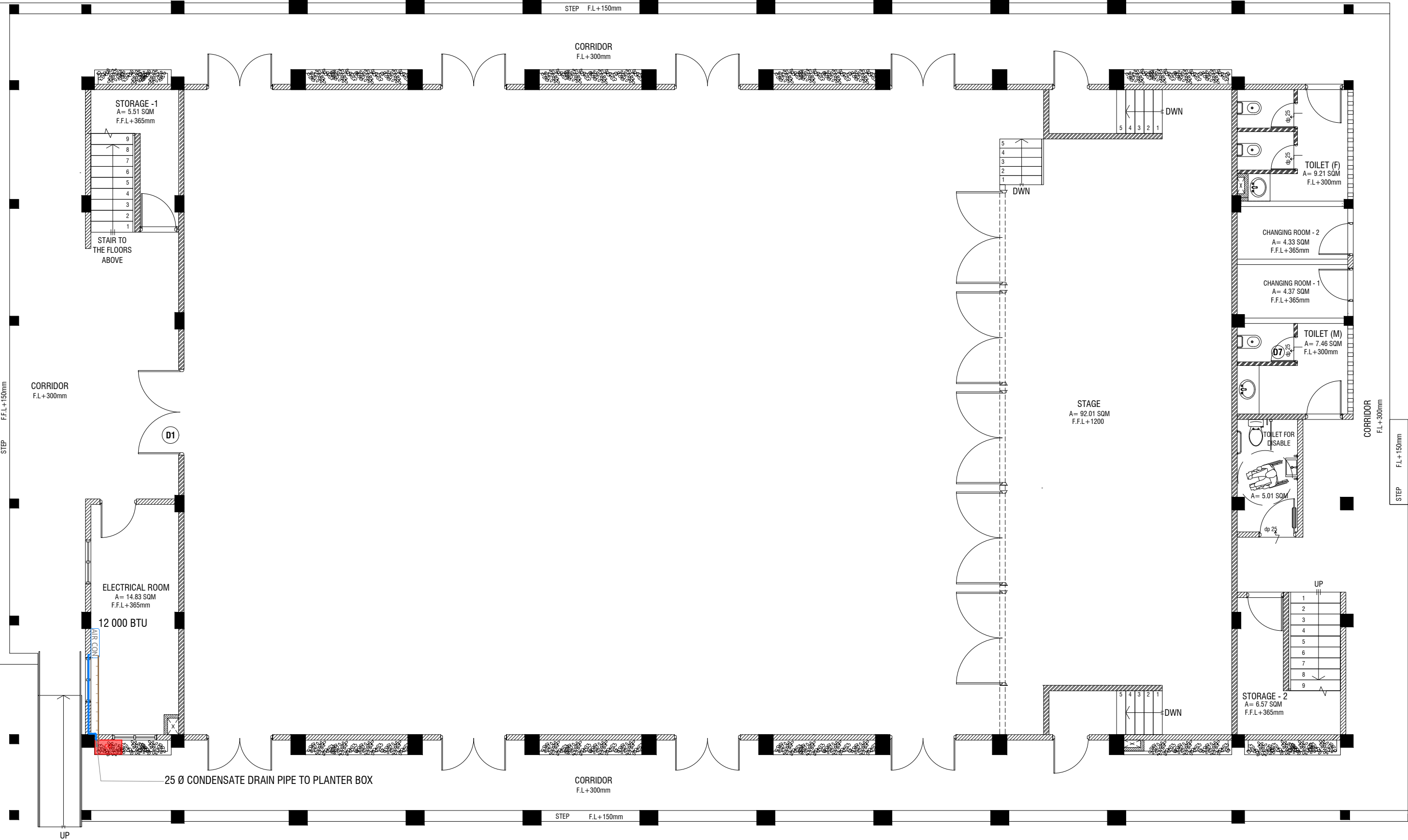
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LEGEND

- REFRIGERANT PIPES (SHALL NOT BE GREATER THAN 16FT FROM THE AIR-CONDITIONING SYSTEM TO OUTDOOR UNIT)
- 25 Ø CONDENSATE DRAIN PIPE
- CONDENSING UNIT

GROUND FLOOR ACV LAYOUT

SCALE 1:100



Aa Ukulhas School Multipurpose Hall & 8 Classroom
Client: Ministry of Education

Rev no	Date
1	1 May 2021
2	1 May 2021
3	1 May 2021
4	1 May 2021
5	1 May 2021
6	1 May 2021
7	1 May 2021
8	1 May 2021
9	1 May 2021

Architect: Fahimath Leena Jaleel
Engineer: Mohamed Muftakhir Waleed
Services: Aisath Ahmed
Interior: -

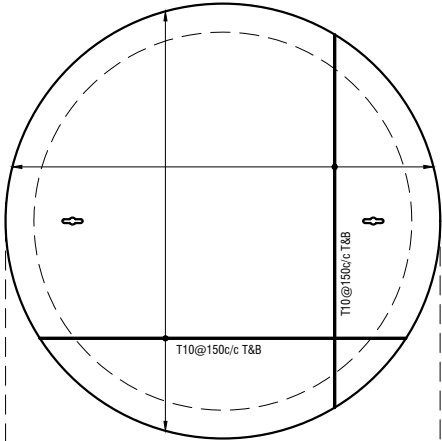


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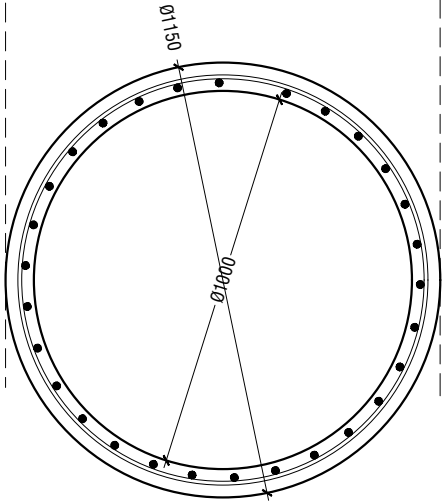
Title: Ground Floor
ACV Layout
Page: ACV - 01/01

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WATER TANK WALL TOP & BOTTOM SLAB



WATER TANK WALL REINF.

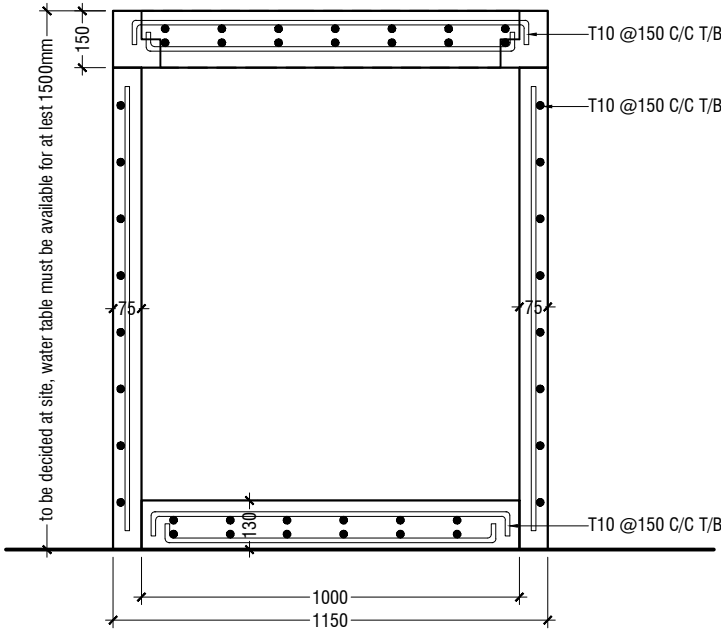


WATER TANK DETAILS

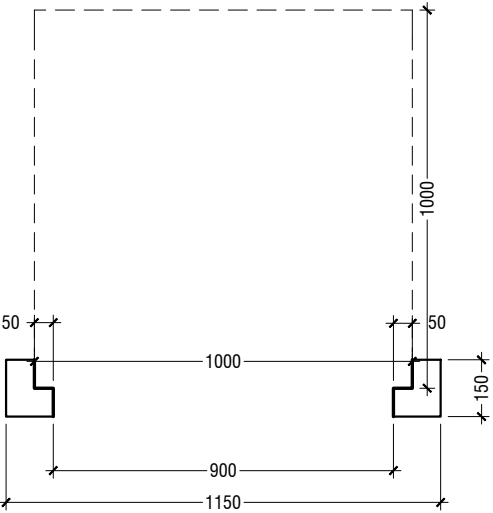
SCALE 1:20



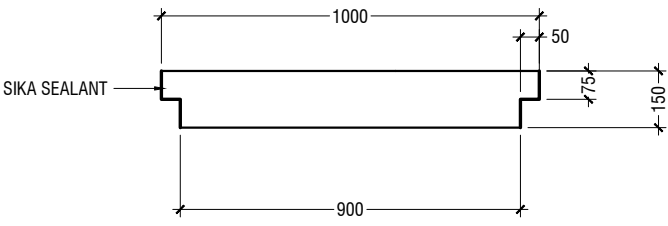
WATER TANK SECTION



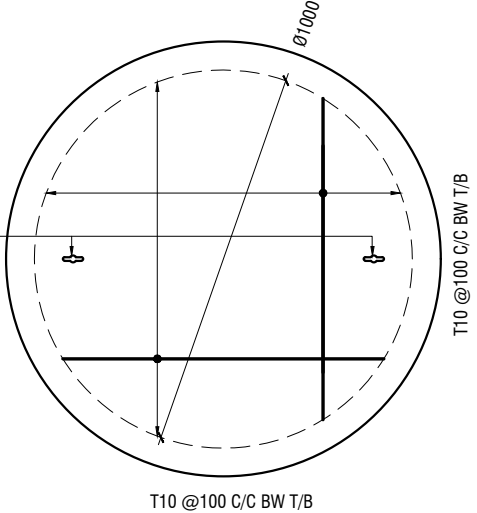
ELEVATION



SECTION



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

