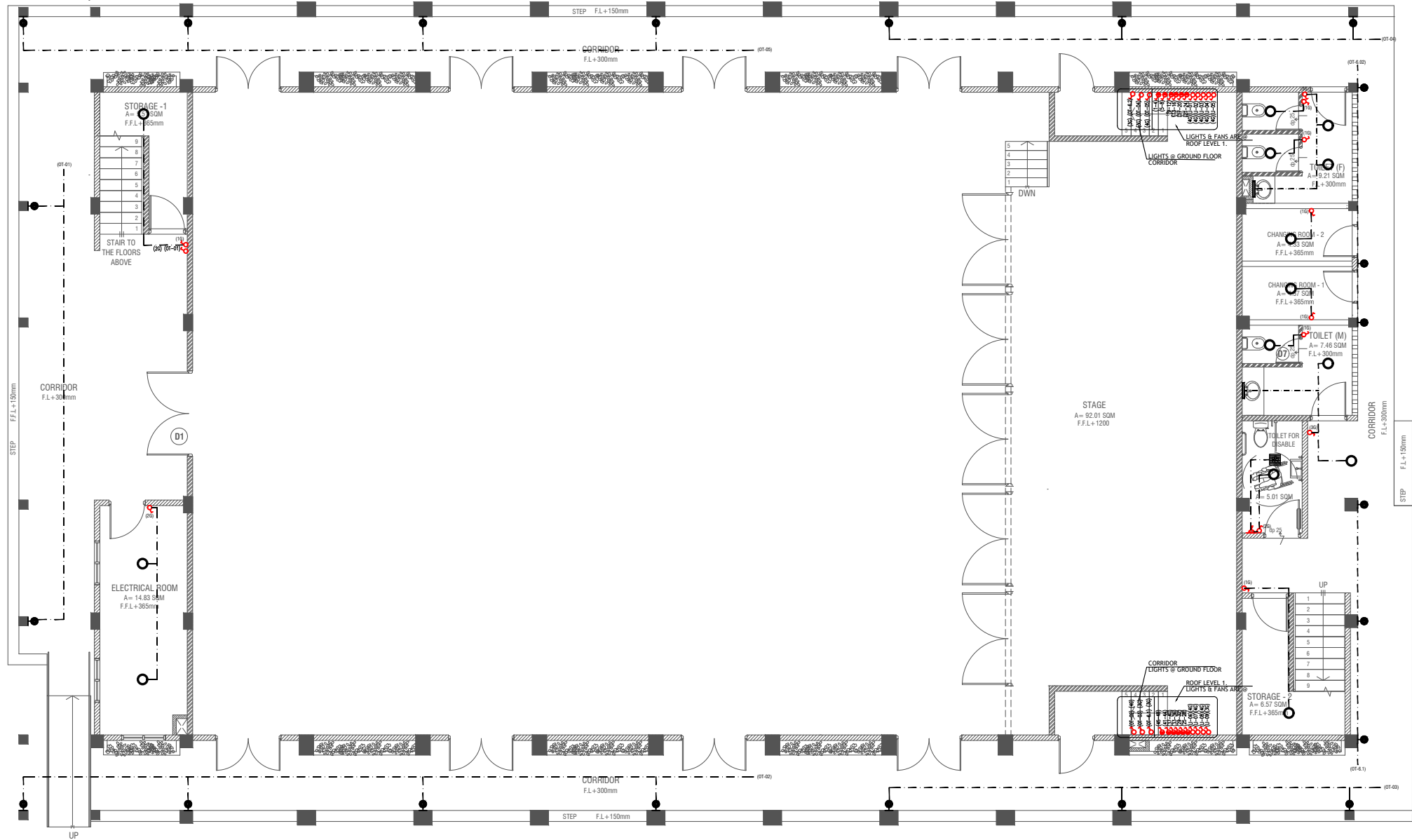


Proposed Multipurpose Hall & 8 Classroom Building at  
HDH. NOLHIVARANFARU School

**SERVICES *DRAWINGS***  
Client: Ministry of Education

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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")

40W (IP 65) OUT DOOR WALL LIGHT

MIRROR LIGHT (7W LED LIGHT)

EXHAUST FAN (CEILING MOUNTED)

FLEX OUTLET

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"

| Issue        | Date | Description |
|--------------|------|-------------|
| AMMENDMENTS. |      |             |

PHYSICAL FACILITIES DEVELOPMENT SECTION  
MINISTRY OF EDUCATION,  
MALE',  
REPUBLIC OF MALDIVES

PROJECT  
HDH. NOLHIVARANFARU SCHOOL  
MULTIPURPOSE HALL &  
8 CLASS ROOM

#### PROJECT REFERENCE

CLIENT : MINISTRY OF EDUCATION

ARCHITECT :

ENGINEER :

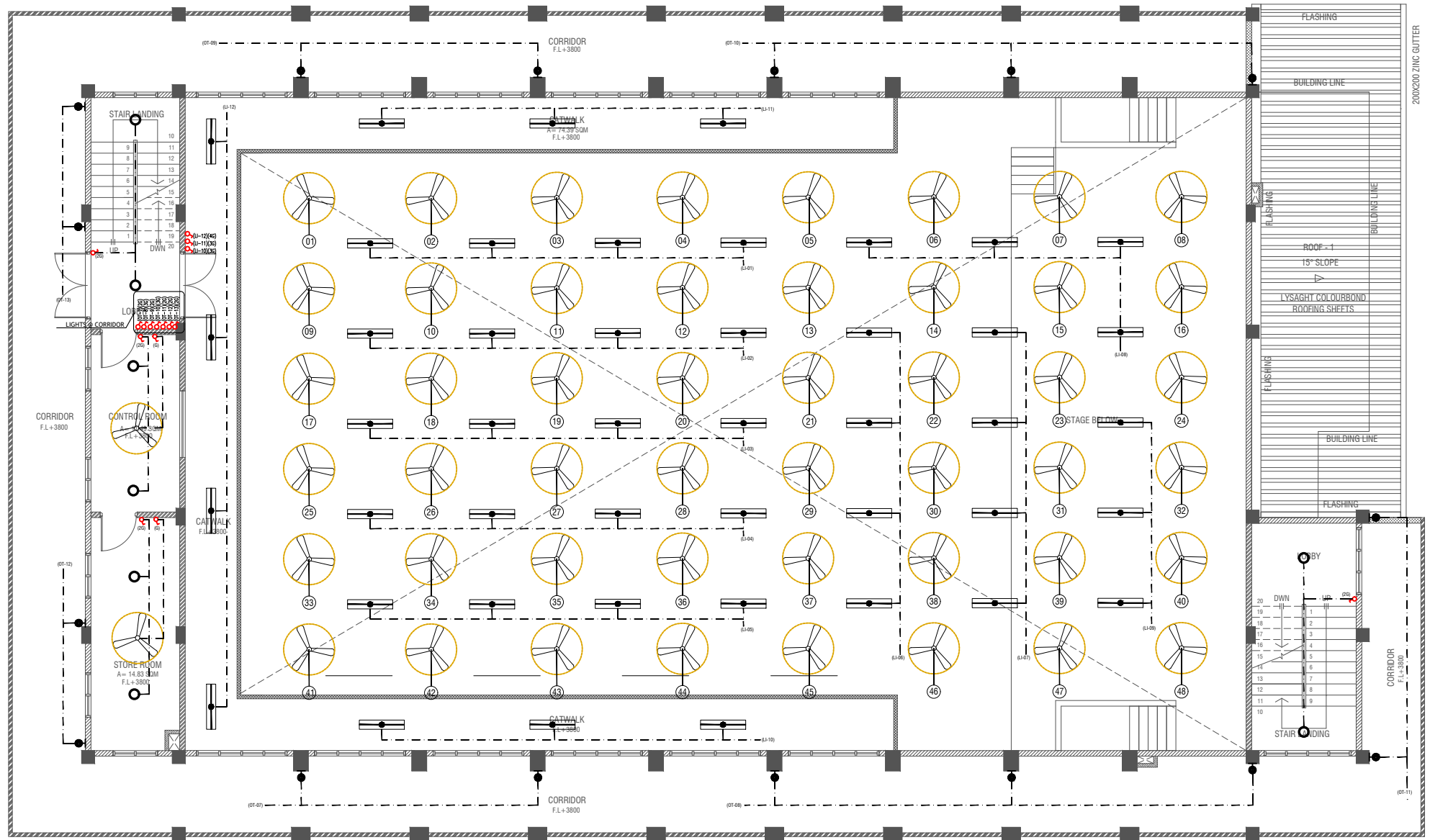
DRAWN :

CHECKED :

SCALE : AS GIVEN

DATE : 09 AUGUST 2023

DWG NO : A 02 / 22



### FIRST FLOOR LIGHTING LAYOUT

SCALE 1:100  
0 0.5 1 2 3 4 5

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

#### NOTE:

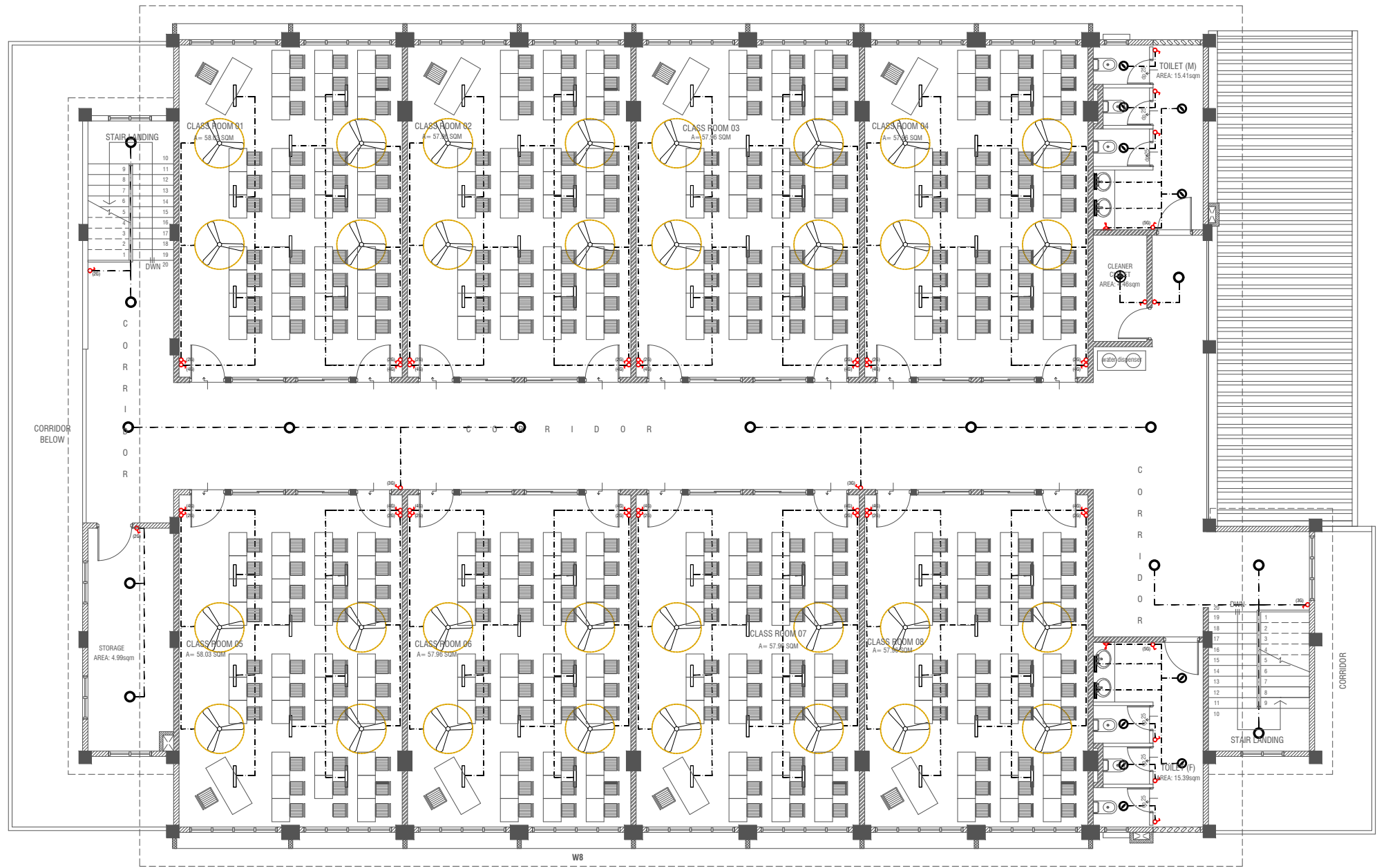
- ALL WIRING TO BE OF STELCO APPROVED STANDARDS
- SWITCH CONTROL = 1200MM FROM FLOOR FIN. LEVEL
- ALL LIGHTING POINTS CONNECTED TO THEIR RESPECTIVE DB
- POLYCARBONATE ENCLOSURE TO ALL SWITCH AND SOCKET WHICH ARE LOCATED AT THE OUTDOORS

| Issue        | Date | Description |
|--------------|------|-------------|
| AMMENDMENTS. |      |             |

PHYSICAL FACILITIES DEVELOPMENT SECTION  
MINISTRY OF EDUCATION,  
MALE,  
REPUBLIC OF MALDIVES

PROJECT  
**HDH. NOLHIVARANFARU SCHOOL  
MULTIPURPOSE HALL &  
8 CLASS ROOM**

|                   |                       |
|-------------------|-----------------------|
| PROJECT REFERENCE |                       |
| CLIENT :          | MINISTRY OF EDUCATION |
| ARCHITECT :       |                       |
| ENGINEER :        |                       |
| DRAWN :           |                       |
| CHECKED :         |                       |
| SCALE :           | AS GIVEN              |
| DATE :            | 09 AUGUST 2023        |
| DWG NO :          | A 02/ 22              |



## 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 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

| Issue        | Date | Description |
|--------------|------|-------------|
| AMMENDMENTS. |      |             |

PHYSICAL FACILITIES DEVELOPMENT SECTION  
MINISTRY OF EDUCATION,  
MALE',  
REPUBLIC OF MALDIVES

PROJECT  
**HDH. NOLHIVARANFARU SCHOOL  
MULTIPURPOSE HALL &  
8 CLASS ROOM**

### PROJECT REFERENCE

CLIENT : MINISTRY OF EDUCATION

ARCHITECT :

ENGINEER :

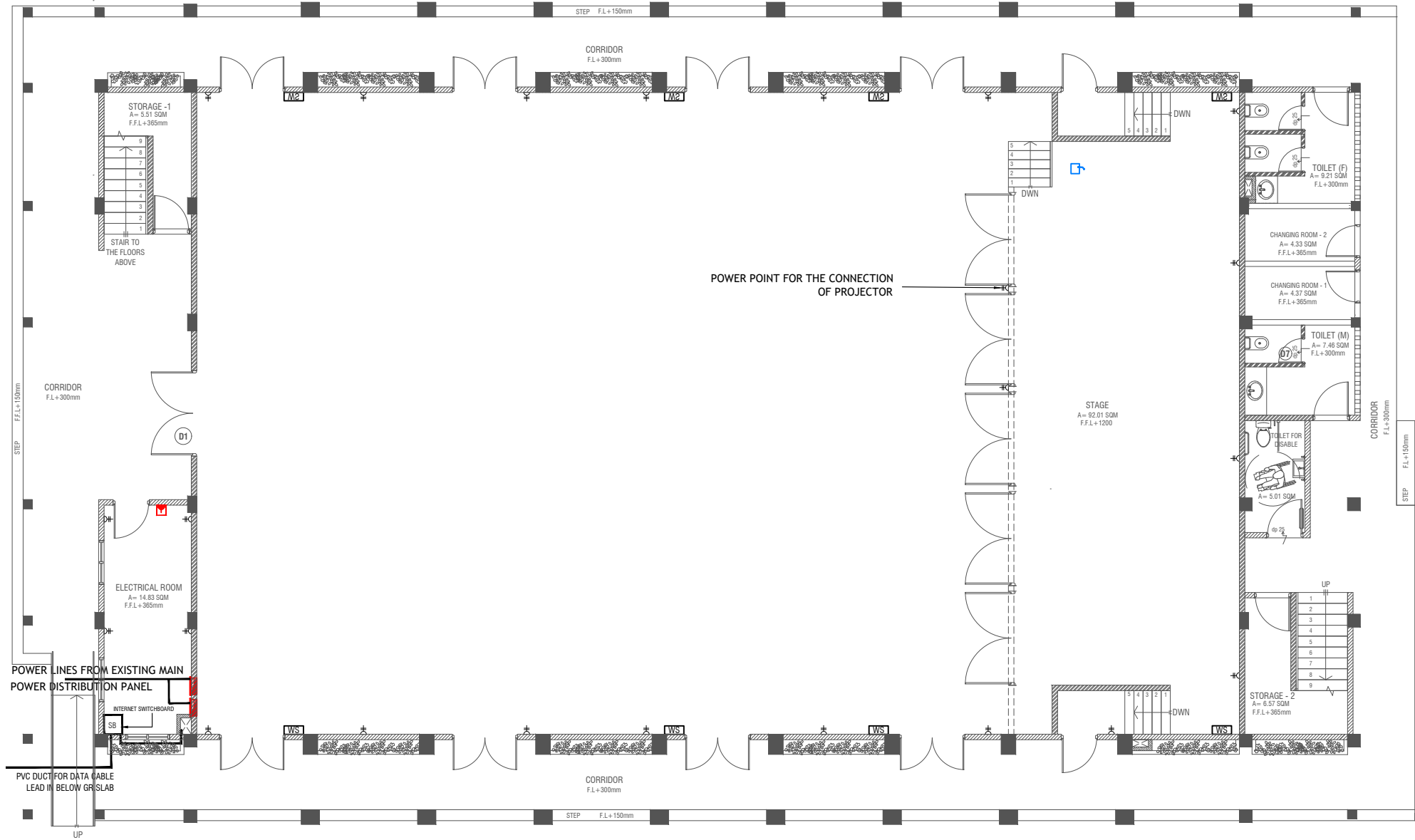
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CHECKED :

SCALE : AS GIVEN

DATE : 09 AUGUST 2023

DWG NO : A 02/ 22



### GROUND FLOOR POWER LAYOUT

SCALE 1:100  
0 0.5 1 2 3 4 5

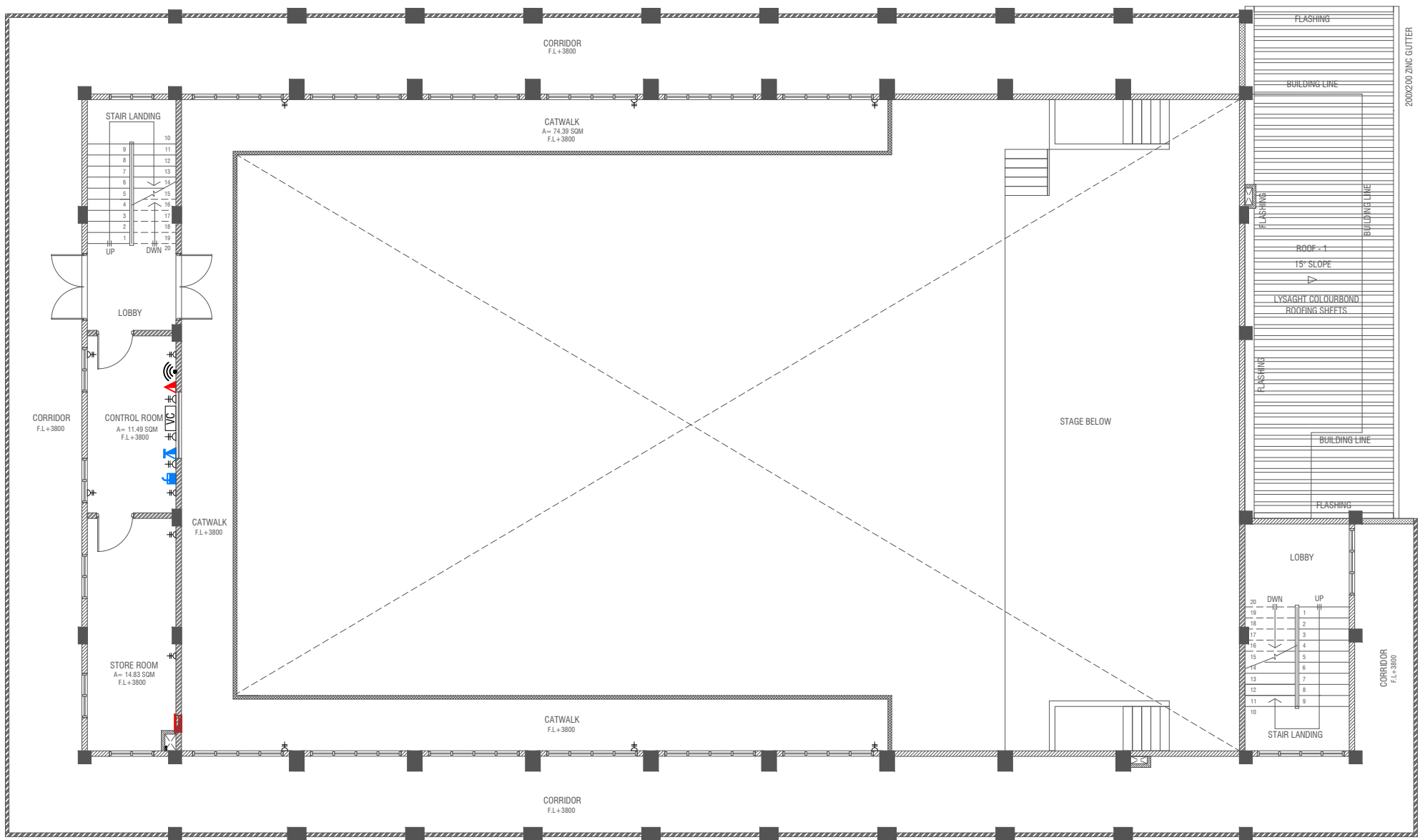
- PHONE EXTENSION
- COMPUTER NETWORK OUTLET (RJ 45 CONNECTORS)
- TELEPHONE OUTLET (RJ11, CONNECTOR)
- 13A POWER POINT
- 13A TWIN SOCKET OUTLET
- 15A SWITCHED/ SPUR UNIT @ H.L.
- DISTRIBUTION BOX
- WALL SPEAKERS AT CEILING LEVEL
- WIRED MIC CONTROLLED FROM THE CONTROL ROOM

- 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 ( PANEL BOARD SHALL BE LOCATED AT ELECTRICAL ROOM)

| Issue  | Date | Description |
|--|------|-------------|
| AMMENDMENTS.   |      |             |
| PHYSICAL FACILITIES DEVELOPMENT SECTION<br>MINISTRY OF EDUCATION,<br>MALE,<br>REPUBLIC OF MALDIVES |      |             |
| PROJECT<br>HDH. NOLHIVARANFARU SCHOOL<br>MULTIPURPOSE HALL &<br>8 CLASS ROOM                       |      |             |
| PROJECT REFERENCE  |      |             |
| CLIENT : MINISTRY OF EDUCATION   |      |             |
| ARCHITECT :  |      |             |
| ENGINEER :   |      |             |
| DRAWN :  |      |             |
| CHECKED :  |      |             |
| SCALE : AS GIVEN   |      |             |
| DATE : 09 AUGUST 2023  |      |             |
| DWG NO : A 02 / 22   |      |             |



### FIRST FLOOR POWER LAYOUT

SCALE 1:100  
0 0.5 1 2 3 4 5

#### 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:

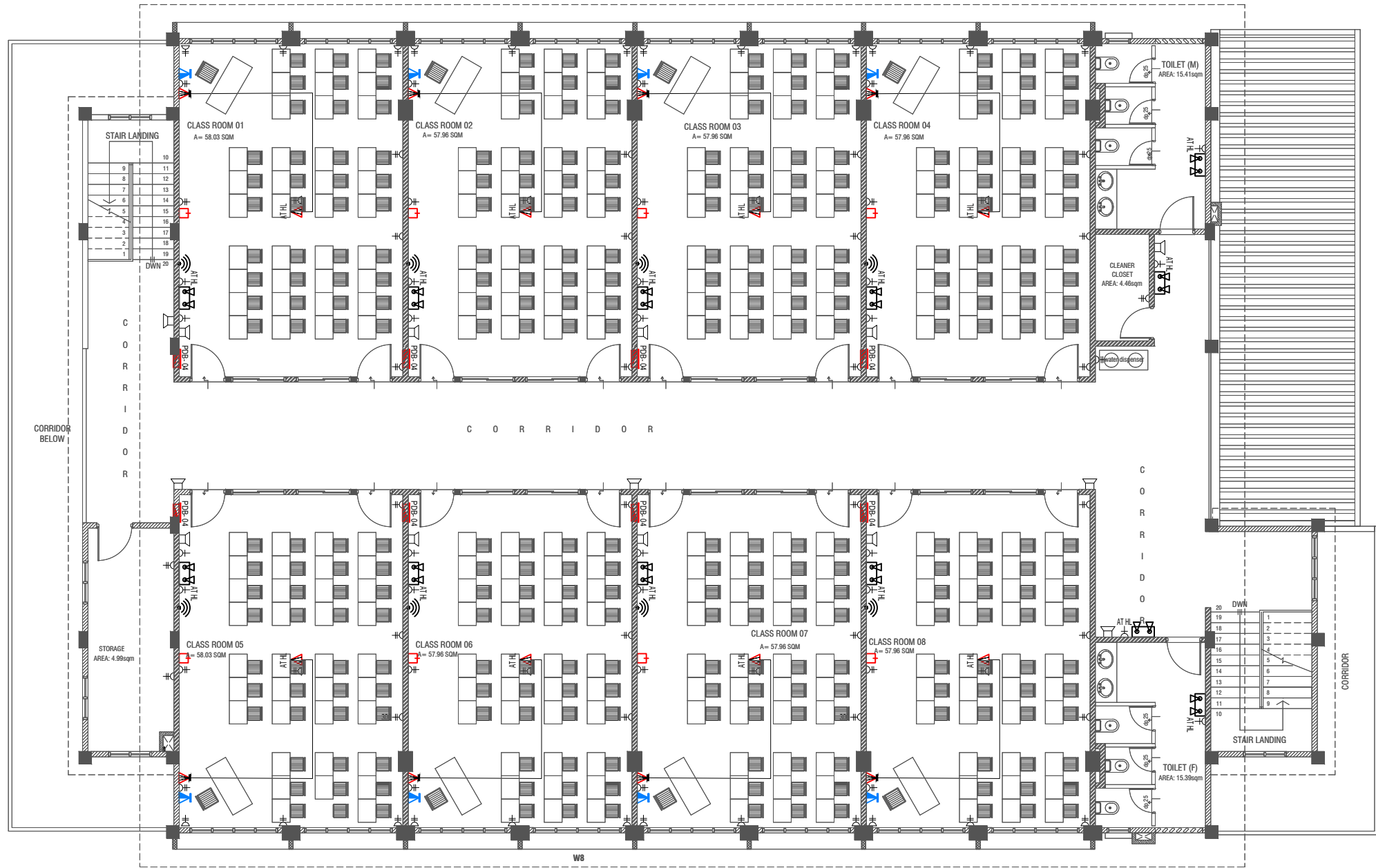
- ALL WIRING TO BE OF APPROVED STANDARDS
- POWER/IT/COMPUTER SOCKETS = 300MM - 450MM FROM FLOOR FIN. LEVEL
- SWITCH CONTROL / SOCKET = 1100MM - 1200MM FROM FLOOR FIN. LEVEL
- KITCHEN SOCKETS / PANTRY SOCKETS = 1150MM - 1250MM FROM FLOOR FIN. LEVEL
- AC = 2500MM - 2700MM FROM FLOOR FIN. LEVEL

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

| Issue  | Date | Description |
|--|------|-------------|
| AMMENDMENTS.   |      |             |
| PHYSICAL FACILITIES DEVELOPMENT SECTION<br>MINISTRY OF EDUCATION,<br>MALE,<br>REPUBLIC OF MALDIVES |      |             |
| PROJECT<br><b>HDH. NOLHIVARANFARU SCHOOL<br/>MULTIPURPOSE HALL &amp;<br/>8 CLASS ROOM</b>          |      |             |
| PROJECT REFERENCE  |      |             |
| CLIENT : MINISTRY OF EDUCATION   |      |             |
| ARCHITECT :  |      |             |
| ENGINEER :   |      |             |
| DRAWN :  |      |             |
| CHECKED :  |      |             |
| SCALE : AS GIVEN   |      |             |
| DATE : 09 AUGUST 2023  |      |             |
| DWG NO : A 02/ 22  |      |             |



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

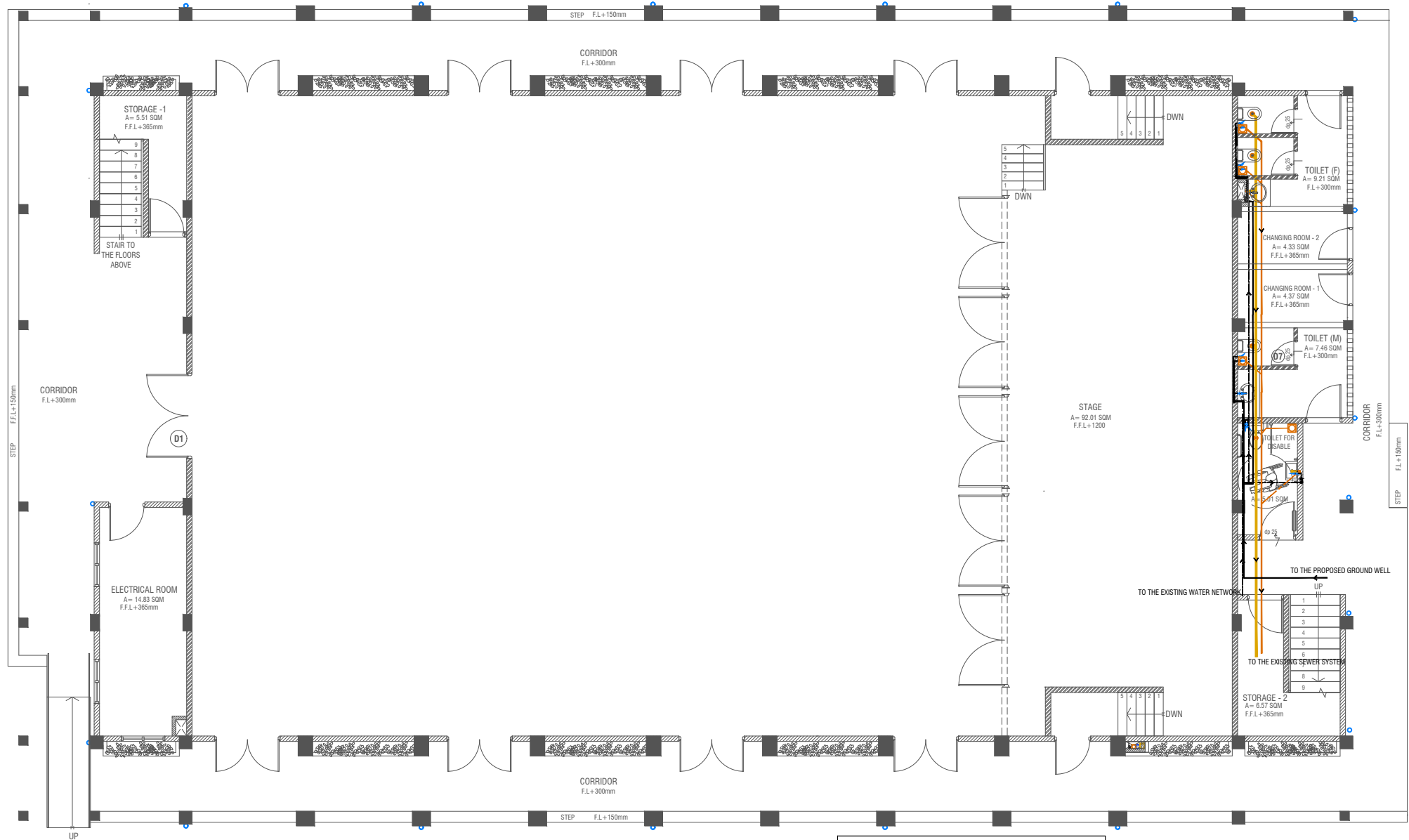
TO SUPPLY AND INSTALL PANEL BOARD WITH kWh METER, WIRING AND CONNECTION TO MAIN PANEL BOARD FROM MAIN ELECTRICAL NETWORK TO BE DECIDED ON SITE

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

| Issue   | Date | Description |
|---|------|-------------|
| AMMENDMENTS.  |      |             |
| PHYSICAL FACILITIES DEVELOPMENT SECTION<br>MINISTRY OF EDUCATION,<br>MALE',<br>REPUBLIC OF MALDIVES |      |             |
| PROJECT<br>HDH. NOLHIVARANFARU SCHOOL<br>MULTIPURPOSE HALL &<br>8 CLASS ROOM                        |      |             |
| PROJECT REFERENCE   |      |             |
| CLIENT : MINISTRY OF EDUCATION  |      |             |
| ARCHITECT :   |      |             |
| ENGINEER :  |      |             |
| DRAWN :   |      |             |
| CHECKED :   |      |             |
| SCALE : AS GIVEN  |      |             |
| DATE : 09 AUGUST 2023   |      |             |
| DWG NO : A 02/ 22   |      |             |



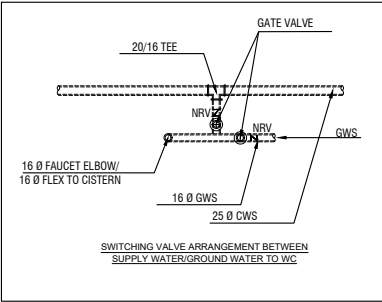


# GROUND FLOOR PLUMBING & DRAINAGE LAYOUT

SCALE 1:100

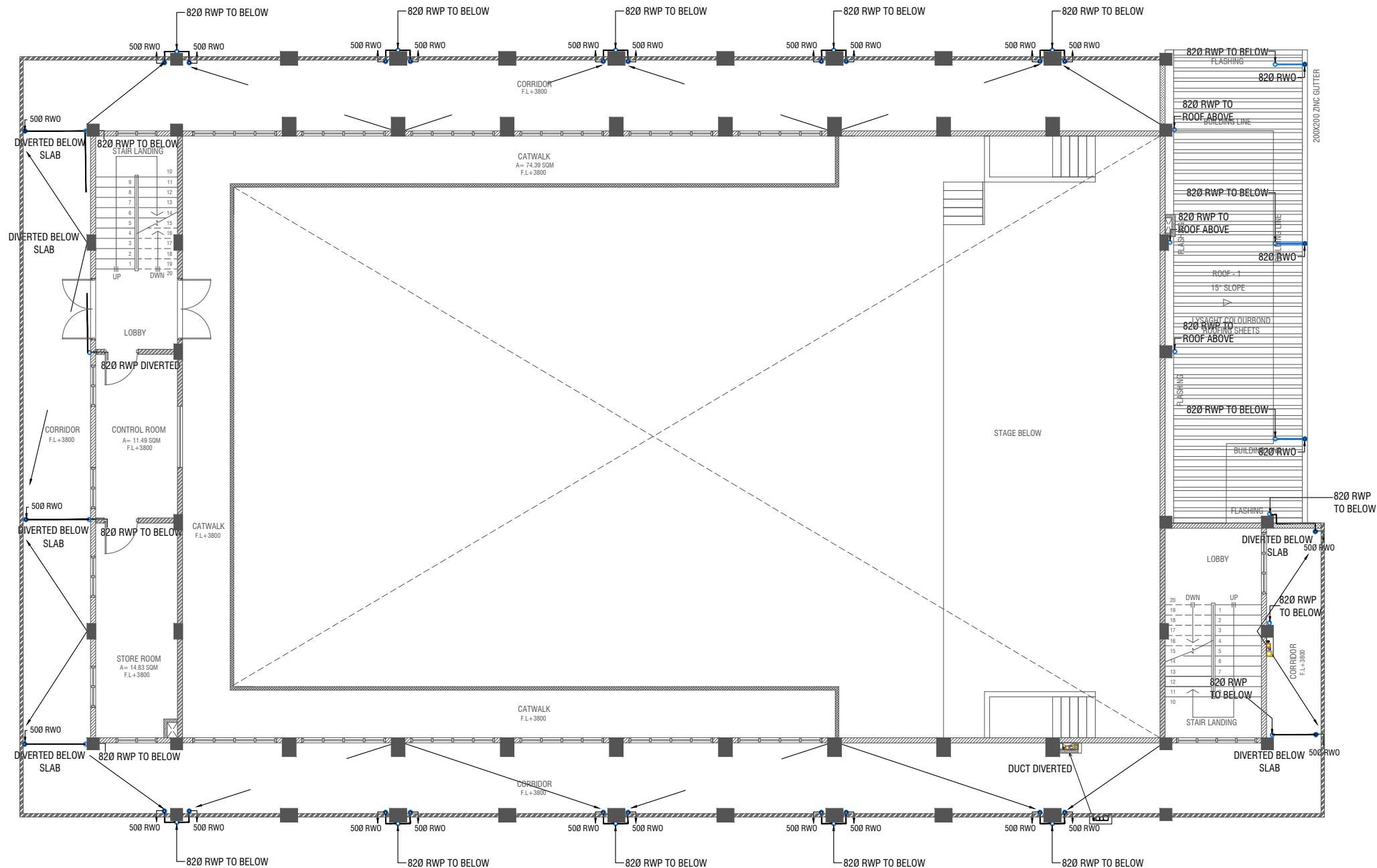
## LEGEND

- |      |   |                                   |
|------|---|-----------------------------------|
| FC   | 160 COLD WATER SUPPLY FAUCET / WALL TAPSINK             | FLOOR DRAIN                       |
| 160  | 160 COLD WATER SUPPLY TO CISTERN                        | FLOOR GULLY                       |
| GV   | GATE VALVE  | 1100 SOL PIPE (CPVC PIPE)         |
| RISE | RISE IN WALL  | 820 WASTE PIPE (CPVC PIPE)        |
| DROP | DROP IN WALL  | 400 WASTE PIPE (CPVC PIPE)        |
| 320  | 320 COLD WATER SUPPLY PIPES RUNNING UNDERGROUND         | 500 WASTE PIPE (CPVC PIPE)        |
| 250  | 250 COLD WATER SUPPLY PIPES RUNNING IN WALLS            | 820 MANHOLE VENT PIPE (CPVC PIPE) |
| 250  | 250 COLD WATER SUPPLY PIPES RUNNING UNDERGROUND         | BOTTLE TRAP                       |
| 250  | 250 COLD WATER SUPPLY PIPES RUNNING ABOVE FALSE CEILING | 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

| Issue   | Date | Description |
|---|------|-------------|
| AMMENDMENTS.  |      |             |
| PHYSICAL FACILITIES DEVELOPMENT SECTION<br>MINISTRY OF EDUCATION,<br>MALE',<br>REPUBLIC OF MALDIVES |      |             |
| PROJECT<br>HDH. NOLHIVARANFARU SCHOOL<br>MULTIPURPOSE HALL &<br>8 CLASS ROOM                        |      |             |
| PROJECT REFERENCE   |      |             |
| CLIENT : MINISTRY OF EDUCATION  |      |             |
| ARCHITECT :   |      |             |
| ENGINEER :  |      |             |
| DRAWN :   |      |             |
| CHECKED :   |      |             |
| SCALE : AS GIVEN  |      |             |
| DATE : 09 AUGUST 2023   |      |             |
| DWG NO : A 02 / 22  |      |             |



### FIRST FLOOR DRAINAGE LAYOUT

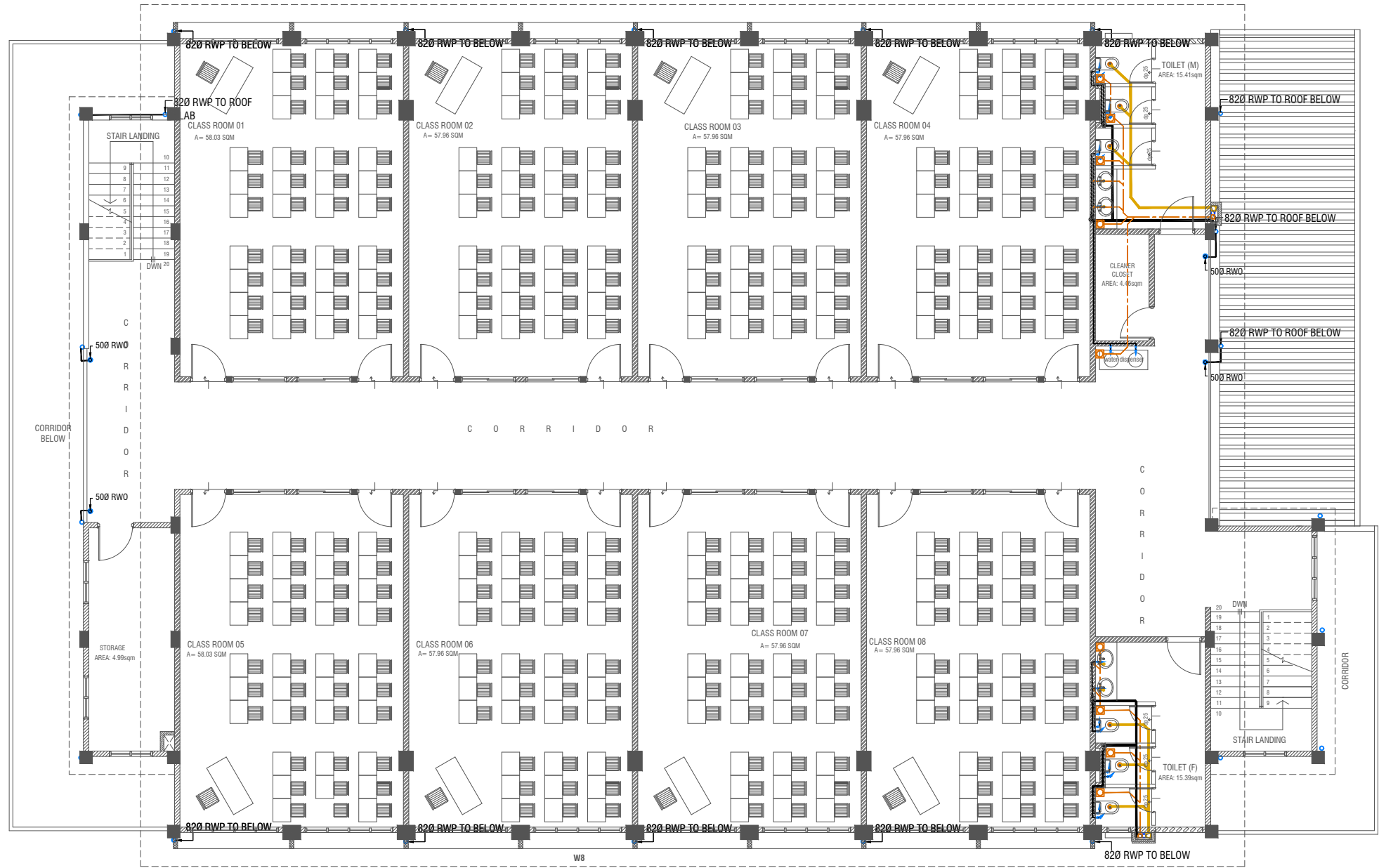
SCALE 1:100  
0 0.5 1 2 3 4 5

#### LEGEND

- |     |   |                                   |                        |                        |
|-----|---|-----------------------------------|------------------------|------------------------|
| FC  | 160 COLD WATER SUPPLY FAUCET / WALL TAP/SINK            | FLOOR DRAIN                       | 82/50 Ø RAINWATER PIPE |                        |
| GV  | 160 COLD WATER SUPPLY TO CISTERN                        | FLOOR GULLY                       | 82/50 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)        |                        |                        |
| --- | 250 COLD WATER SUPPLY PIPES RUNNING IN WALLS            | 820 MANHOLE VENT PIPE (CPVC PIPE) |                        |                        |
| --- | 250 COLD WATER SUPPLY PIPES RUNNING UNDERGROUND         | BOTTLE TRAP                       |                        |                        |
| --- | 250 COLD WATER SUPPLY PIPES RUNNING ABOVE FALSE CEILING | GROUND WATER SUPPLY               |                        |                        |

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

|  |      |             |
|--|------|-------------|
| Issue  | Date | Description |
| AMMENDMENTS.   |      |             |
| PHYSICAL FACILITIES DEVELOPMENT SECTION<br>MINISTRY OF EDUCATION,<br>MALE,<br>REPUBLIC OF MALDIVES |      |             |
| PROJECT<br>HDH. NOLHIVARANFARU SCHOOL<br>MULTIPURPOSE HALL &<br>8 CLASS ROOM                       |      |             |
| PROJECT REFERENCE  |      |             |
| CLIENT : MINISTRY OF EDUCATION   |      |             |
| ARCHITECT :  |      |             |
| ENGINEER :   |      |             |
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| CHECKED :  |      |             |
| SCALE : AS GIVEN   |      |             |
| DATE : 09 AUGUST 2023  |      |             |
| DWG NO : A 02/ 22  |      |             |



SECOND FLOOR DRAINAGE LAYOUT

SCALE 1:100



LEGEND

- |     |   |     |   |   |                                   |
|-----|---|-----|---|---|-----------------------------------|
| FC  | 160 COLD WATER SUPPLY FAUCET / WALL TAP/SINK    | --- | 250 COLD WATER SUPPLY PIPES RUNNING UNDERGROUND         | — | 500 WASTE PIPE (CPVC PIPE)        |
| —   | 160 COLD WATER SUPPLY TO CISTERN                | --- | 250 COLD WATER SUPPLY PIPES RUNNING ABOVE FALSE CEILING | — | 820 MANHOLE VENT PIPE (CPVC PIPE) |
| GV  | GATE VALVE                                      | □   | FLOOR DRAIN   | — | BOTTLE TRAP                       |
| ●   | RISE IN WALL                                    | □   | FLOOR GULLY   | — | GROUND WATER SUPPLY               |
| ●   | DROP IN WALL                                    | —   | 1100 SOIL PIPE (CPVC PIPE)                              | — | RWP                               |
| --- | 320 COLD WATER SUPPLY PIPES RUNNING UNDERGROUND | —   | 820 WASTE PIPE (CPVC PIPE)                              | — | RWO                               |
| --- | 250 COLD WATER SUPPLY PIPES RUNNING IN WALLS    | —   | 400 WASTE PIPE (CPVC PIPE)                              | — | CD                                |
|     |   |     |   |   | 25 Ø DRAIN PIPE                   |
|     |   |     |   |   | MHVP                              |
|     |   |     |   |   | 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

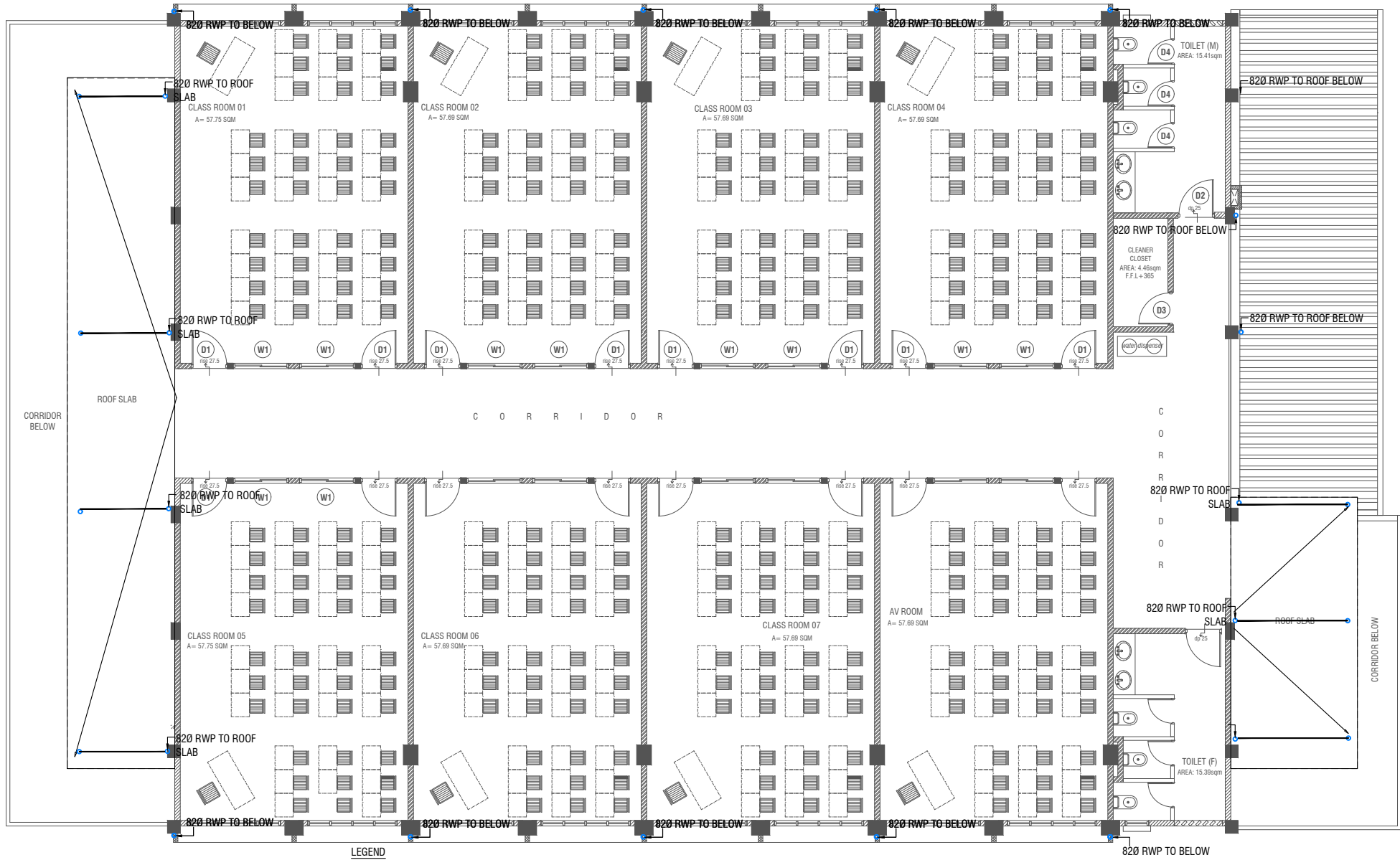
| Issue | Date | Description |
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AMMENDMENTS.

PHYSICAL FACILITIES DEVELOPMENT SECTION  
MINISTRY OF EDUCATION,  
MALE,  
REPUBLIC OF MALDIVES

PROJECT  
HDH. NOLHIVARANFARU SCHOOL  
MULTIPURPOSE HALL &  
8 CLASS ROOM

|                                |
|--------------------------------|
| PROJECT REFERENCE              |
| CLIENT : MINISTRY OF EDUCATION |
| ARCHITECT :                    |
| ENGINEER :                     |
| DRAWN :                        |
| CHECKED :                      |
| SCALE : AS GIVEN               |
| DATE : 09 AUGUST 2023          |
| DWG NO : A 02/ 22              |



ROOF -1 DRAINAGE LAYOUT

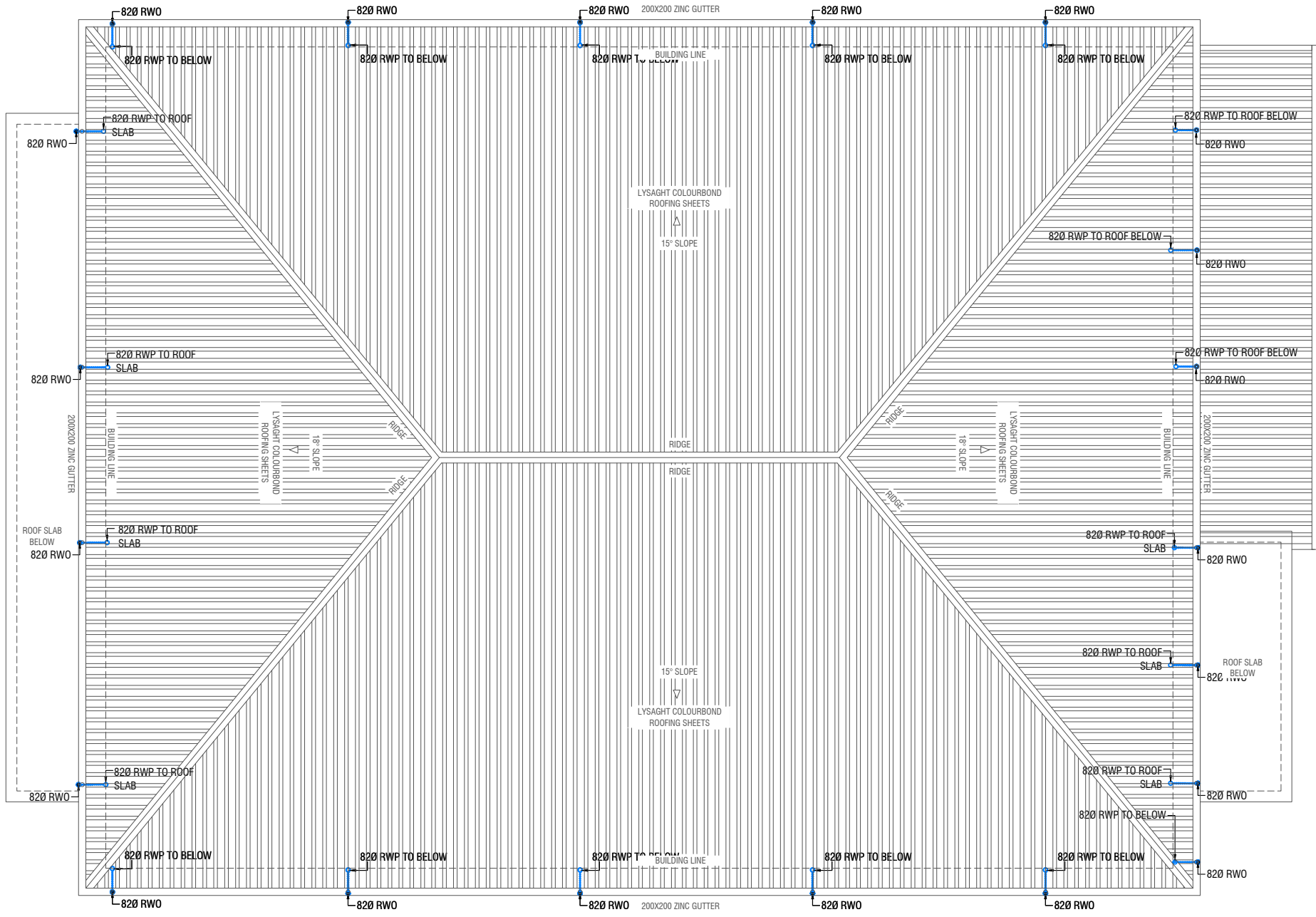
SCALE 1:100

LEGEND

- |     |   |     |   |     |                                   |
|-----|---|-----|---|-----|-----------------------------------|
| FC  | 160 COLD WATER SUPPLY FAUCET / WALL TAP/SINK    | --- | 250 COLD WATER SUPPLY PIPES RUNNING UNDERGROUND         | --- | 500 WASTE PIPE (CPVC PIPE)        |
| GV  | 160 COLD WATER SUPPLY TO CISTERN GATE VALVE     | --- | 250 COLD WATER SUPPLY PIPES RUNNING ABOVE FALSE CEILING | --- | 820 MANHOLE VENT PIPE (CPVC PIPE) |
| RI  | RISE IN WALL                                    | --- | FLOOR DRAIN   | --- | BOTTLE TRAP                       |
| DR  | DROP IN WALL                                    | --- | FLOOR GULLY   | --- | GROUND WATER SUPPLY               |
| --- | 320 COLD WATER SUPPLY PIPES RUNNING UNDERGROUND | --- | 1100 SOIL PIPE (CPVC PIPE)                              | --- | 82/50 Ø RAINWATER PIPE            |
| --- | 250 COLD WATER SUPPLY PIPES RUNNING IN WALLS    | --- | 820 WASTE PIPE (CPVC PIPE)                              | --- | 82/50 Ø DRAIN OUTLET              |
|     |   | --- | 400 WASTE PIPE (CPVC PIPE)                              | --- | 25 Ø DRAIN PIPE                   |
|     |   |     |   | --- | MHVP                              |
|     |   |     |   | --- | 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

|   |      |             |
|---|------|-------------|
| Issue   | Date | Description |
| AMMENDMENTS.  |      |             |
| PHYSICAL FACILITIES DEVELOPMENT SECTION<br>MINISTRY OF EDUCATION,<br>MALE',<br>REPUBLIC OF MALDIVES |      |             |
| PROJECT<br>HDH. NOLHIVARANFARU SCHOOL<br>MULTIPURPOSE HALL &<br>8 CLASS ROOM                        |      |             |
| PROJECT REFERENCE   |      |             |
| CLIENT : MINISTRY OF EDUCATION  |      |             |
| ARCHITECT :   |      |             |
| ENGINEER :  |      |             |
| DRAWN :   |      |             |
| CHECKED :   |      |             |
| SCALE : AS GIVEN  |      |             |
| DATE : 09 AUGUST 2023   |      |             |
| DWG NO : A 02 / 22  |      |             |



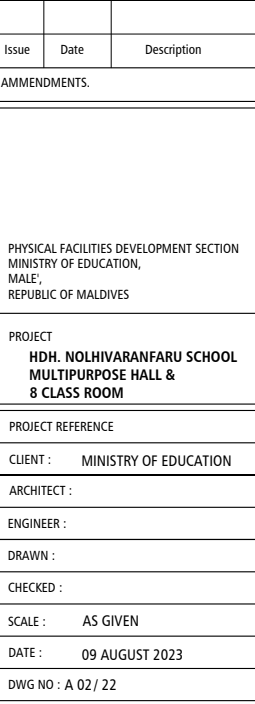
ROOF PLAN - 2 DRAINAGE LAYOUT

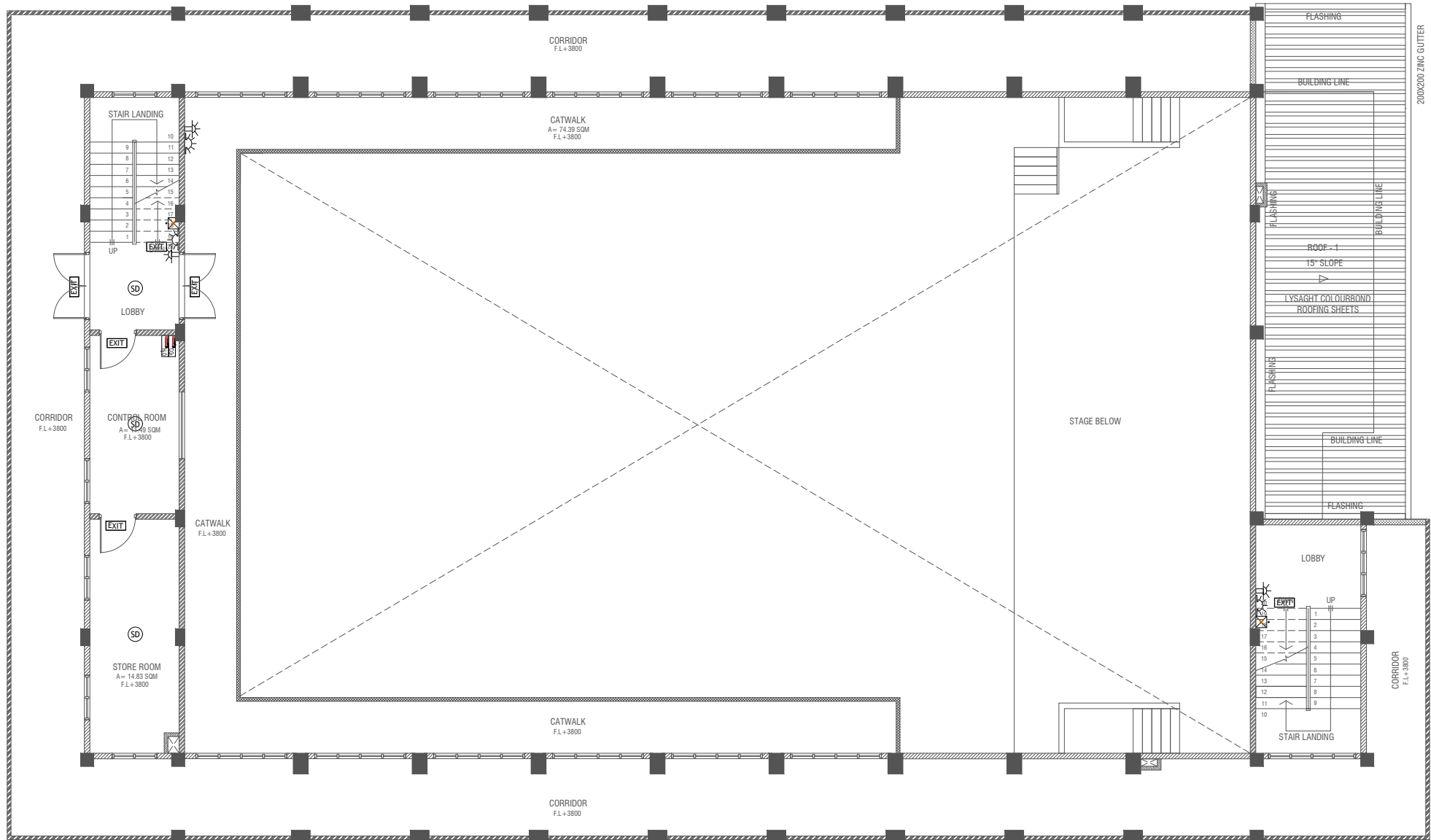
SCALE 1:100  
0 0.5 1 2 3 4 5

- LEGEND
- 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

|  |      |             |
|--|------|-------------|
| Issue  | Date | Description |
| AMMENDMENTS.   |      |             |
| PHYSICAL FACILITIES DEVELOPMENT SECTION<br>MINISTRY OF EDUCATION,<br>MALE,<br>REPUBLIC OF MALDIVES |      |             |
| PROJECT<br>HDH. NOLHIVARANFARU SCHOOL<br>MULTIPURPOSE HALL &<br>8 CLASS ROOM                       |      |             |
| PROJECT REFERENCE  |      |             |
| CLIENT : MINISTRY OF EDUCATION   |      |             |
| ARCHITECT :  |      |             |
| ENGINEER :   |      |             |
| DRAWN :  |      |             |
| CHECKED :  |      |             |
| SCALE : AS GIVEN   |      |             |
| DATE : 09 AUGUST 2023  |      |             |
| DWG NO : A 02 / 22   |      |             |





# FIRST FLOOR FDP LAYOUT

SCALE 1:100



## LEGEND

- SD BSMKE DETECTOR
- HD HEAT DETECTOR
- EXIT EXIT SIGN
- EM EMERGENCY LIGHT

- CO<sub>2</sub> EXTINGUISHER (LOAD 2KG) IN POLYCARBONATE ENCLOSURE (TYP.)
- WET CHEMICAL FIRE EXTINGUISHER (LOAD 7.2KG)
- H<sub>2</sub>O EXTINGUISHER (LOAD 9L) IN POLYCARBONATE ENCLOSURE (TYP.)

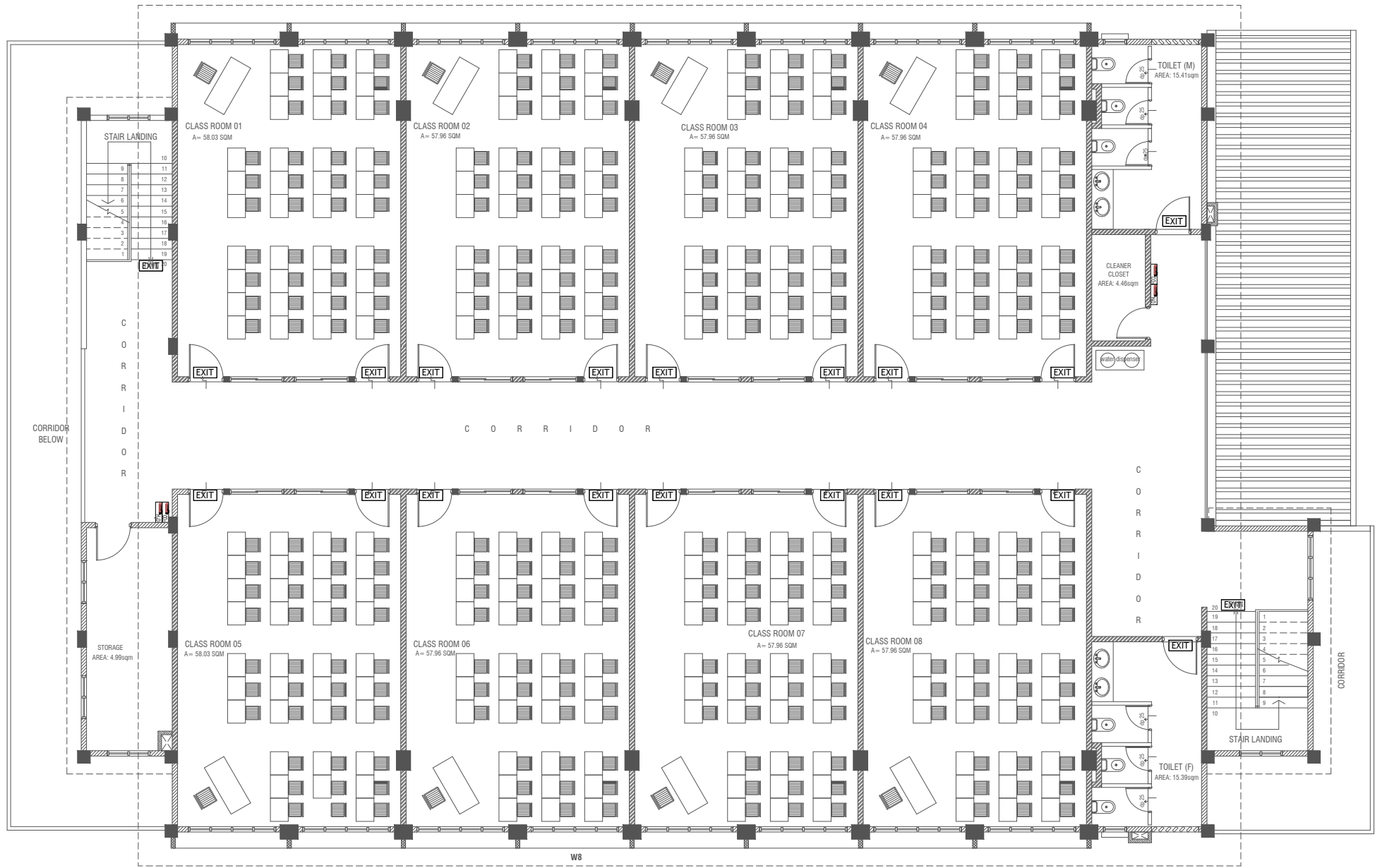
- ELR END OF LINE RESISTANCE
- FACP FIRE ALARM CONTROL PANEL
- MCP MANUAL CALL POINT (REBTTTABLE)
- BEACON
- SOUNDER/BELL (80 DB)

ALL FIRE RATED DOOR SHOULD COME WITH PICKING (APPROX. 50% 100%)

1. ALL PIPES SHOULD BE GALVANIZED SCHEDULE 40.  
2. ALL PIPES SHALL BE INSULATED IN 100MM INSULATION.  
3. ALL SUPPORT BRACKET SHALL BE HOT DIPPED GALVANIZED.  
4. ALL PIPES SHALL BE GALVANIZED.  
5. ALL PIPES SHALL BE GALVANIZED.  
6. ALL PIPES SHALL BE GALVANIZED.  
7. ALL PIPES SHALL BE GALVANIZED.  
8. ALL PIPES SHALL BE GALVANIZED.  
9. ALL PIPES SHALL BE GALVANIZED.  
10. ALL PIPES SHALL BE GALVANIZED.

| Issue  | Date | Description |
|--|------|-------------|
| AMMENDMENTS.   |      |             |
| PHYSICAL FACILITIES DEVELOPMENT SECTION<br>MINISTRY OF EDUCATION,<br>MALE,<br>REPUBLIC OF MALDIVES |      |             |
| PROJECT<br>HDH. NOLHIVARANFARU SCHOOL<br>MULTIPURPOSE HALL &<br>8 CLASS ROOM                       |      |             |
| PROJECT REFERENCE  |      |             |
| CLIENT : MINISTRY OF EDUCATION   |      |             |
| ARCHITECT :  |      |             |
| ENGINEER :   |      |             |
| DRAWN :  |      |             |
| CHECKED :  |      |             |
| SCALE : AS GIVEN   |      |             |
| DATE : 09 AUGUST 2023  |      |             |
| DWG NO : A 02 / 22   |      |             |





**SECOND FLOOR FDP LAYOUT**  
SCALE 1:100

**LEGEND**

- EXIT EXIT SIGN
- CO<sub>2</sub> EXTINGUISHER (LOAD: 2KG) IN POLYCARBONATE ENCLOSURE(TYP.)
- H<sub>2</sub>O EXTINGUISHER (LOAD: 9L) IN POLYCARBONATE ENCLOSURE(TYP.)

ALL FIRE CABLES AND CONDUITS SHOULD BE FIRE RETARDANT LOW SMOKE (FRLS) TYPE.

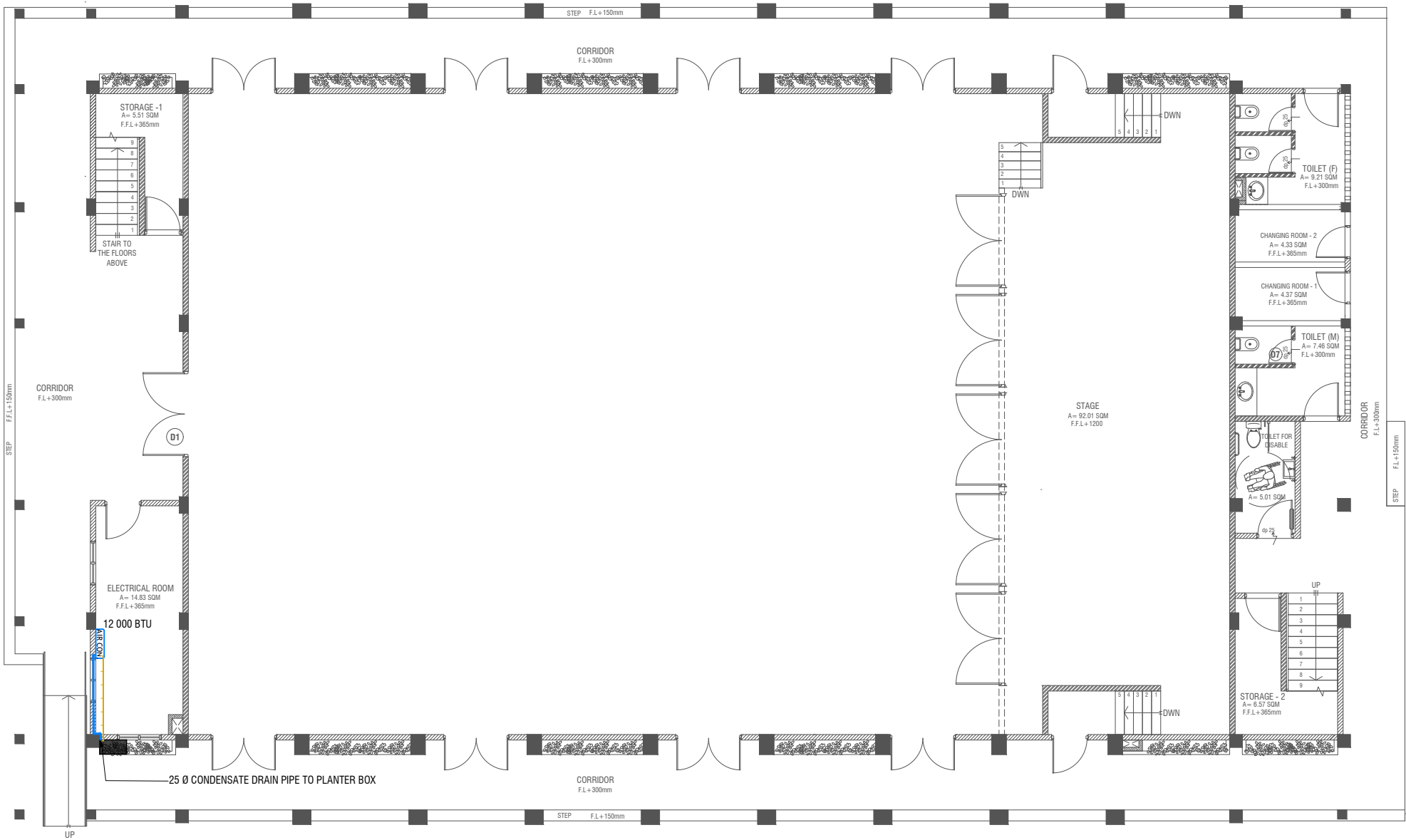
ALL FIRE RATED DOOR SHOULD COME WITH PACKING (EXPANSION SEAL TRAP)

1. ALL PIPES SHOULD BE GALVANIZED, SCHEDULE 40.
2. ALL PIPE SHALL BE PAINTED IN RED AS PER REGULATION.
3. ALL SUPPORT/BRAKET 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

| Issue  | Date | Description |
|--|------|-------------|
| AMMENDMENTS.   |      |             |
| PHYSICAL FACILITIES DEVELOPMENT SECTION<br>MINISTRY OF EDUCATION,<br>MALE,<br>REPUBLIC OF MALDIVES |      |             |
| PROJECT<br>HDH. NOLHIVARANFARU SCHOOL<br>MULTIPURPOSE HALL &<br>8 CLASS ROOM                       |      |             |
| PROJECT REFERENCE  |      |             |
| CLIENT : MINISTRY OF EDUCATION   |      |             |
| ARCHITECT :  |      |             |
| ENGINEER :   |      |             |
| DRAWN :  |      |             |
| CHECKED :  |      |             |
| SCALE : AS GIVEN   |      |             |
| DATE : 09 AUGUST 2023  |      |             |
| DWG NO : A 02/ 22  |      |             |





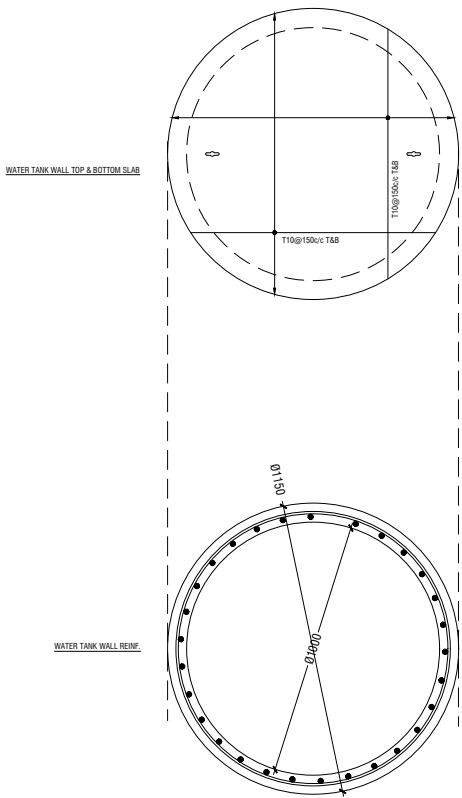
**GROUND FLOOR ACV LAYOUT**

SCALE 1:100  
0 0.5 1 2 3 4 5

**LEGEND**

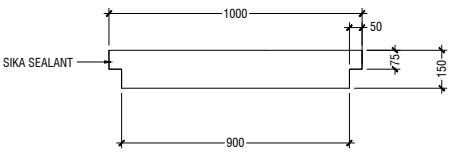
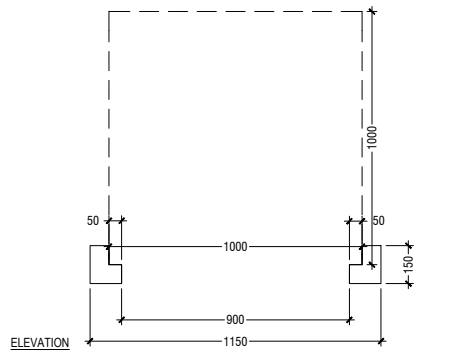
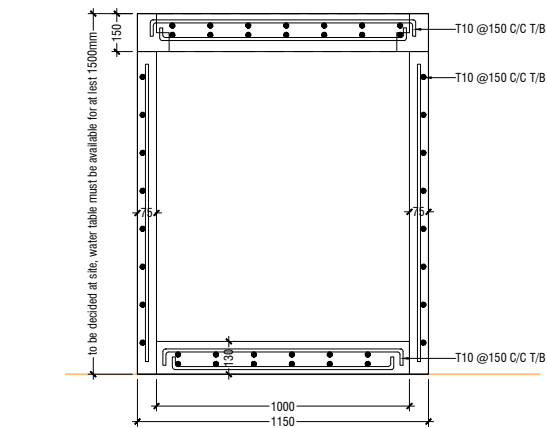
- REFRIGERANT PIPES ( SHALL NOT BE GREATER THAN 16FT FROM THE AIR-CONDITIONING SYSTEM TO OUTDOOR UNIT)
- 25 Ø CONDENSATE DRAIN PIPE
- CONDENSING UNIT

| Issue  | Date | Description |
|--|------|-------------|
| AMMENDMENTS.   |      |             |
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| PROJECT<br>HDH. NOLHIVARANFARU SCHOOL<br>MULTIPURPOSE HALL &<br>8 CLASS ROOM                       |      |             |
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| CLIENT : MINISTRY OF EDUCATION   |      |             |
| ARCHITECT :  |      |             |
| ENGINEER :   |      |             |
| DRAWN :  |      |             |
| CHECKED :  |      |             |
| SCALE : AS GIVEN   |      |             |
| DATE : 09 AUGUST 2023  |      |             |
| DWG NO : A 02 / 22   |      |             |

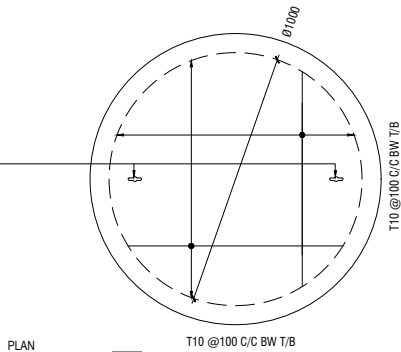


### WATER TANK DETAILS

SCALE 1:20



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



### 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



|  |                       |             |
|--|-----------------------|-------------|
|  |                       |             |
| Issue  | Date                  | Description |
| AMMENDMENTS.   |                       |             |
| PHYSICAL FACILITIES DEVELOPMENT SECTION<br>MINISTRY OF EDUCATION,<br>MALE,<br>REPUBLIC OF MALDIVES |                       |             |
| PROJECT<br>HDH. NOLHIVARANFARU SCHOOL<br>MULTIPURPOSE HALL &<br>8 CLASS ROOM                       |                       |             |
| PROJECT REFERENCE  |                       |             |
| CLIENT :   | MINISTRY OF EDUCATION |             |
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| DRAWN :  |                       |             |
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