

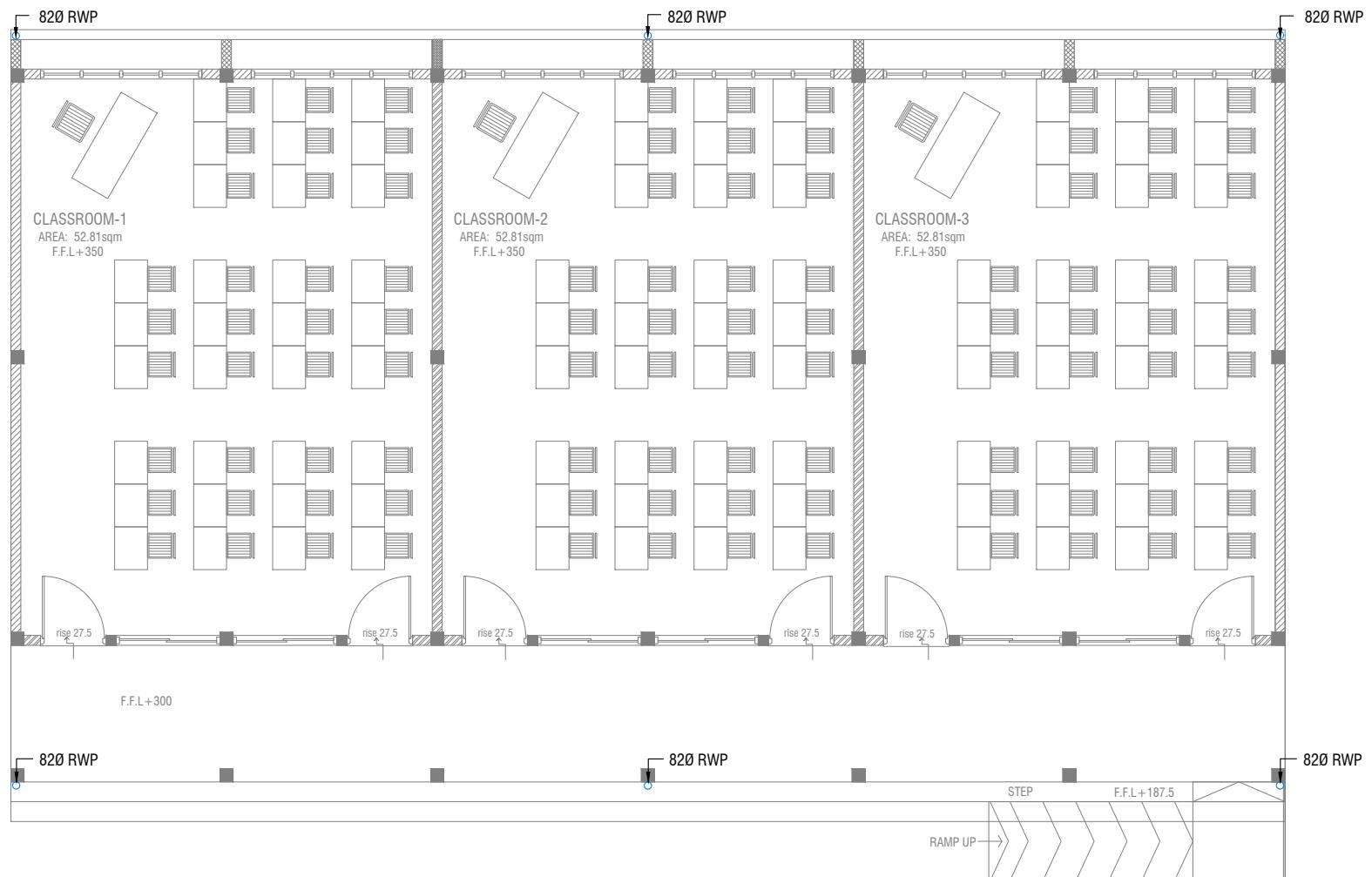
# Proposed Single Storey Classroom Block at Kandoodhoo School



***SERVICES DRAWING***  
Client: Ministry of Education

RIYAN PRIVATE LIMITED  
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3rd floor, H. Azum, Ameeneenagau, Male'

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## GROUND FLOOR DRAINAGE LAYOUT

SCALE 1:100

0 0.5 1 2 3 4 5

Kandoodhoo School  
Client: Ministry of Education

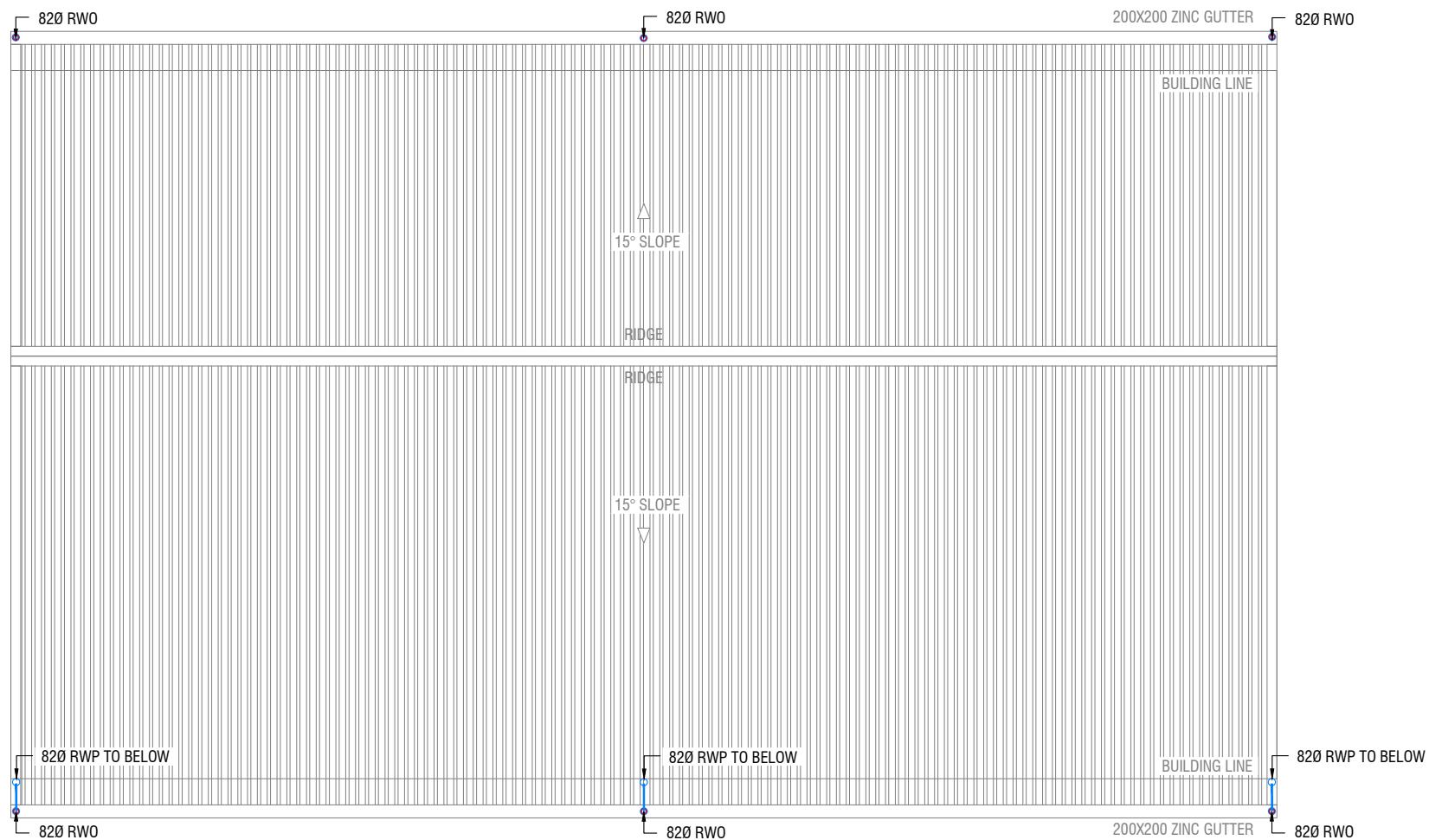
Project Number: RI/2017/012  
Date: March 2021  
Architect : Razana Amirah  
Engineer : Ihsan Waheed  
Drawn by : Maryam Leevan Jaleel  
Services : Aishath Ahmed  
Interior : -



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Title: Ground Floor  
Drainage Layout  
Page: DR-01/02

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LEGEND

- RWP  82/50 Ø RAINWATER PIPE
- RWO  82/50 Ø DRAIN OUTLET
- CD  25 Ø DRAIN PIPE
- MHVP  50 Ø MANHOLE VENT PIPE

**ROOF DRAINAGE LAYOUT**

SCALE 1:100



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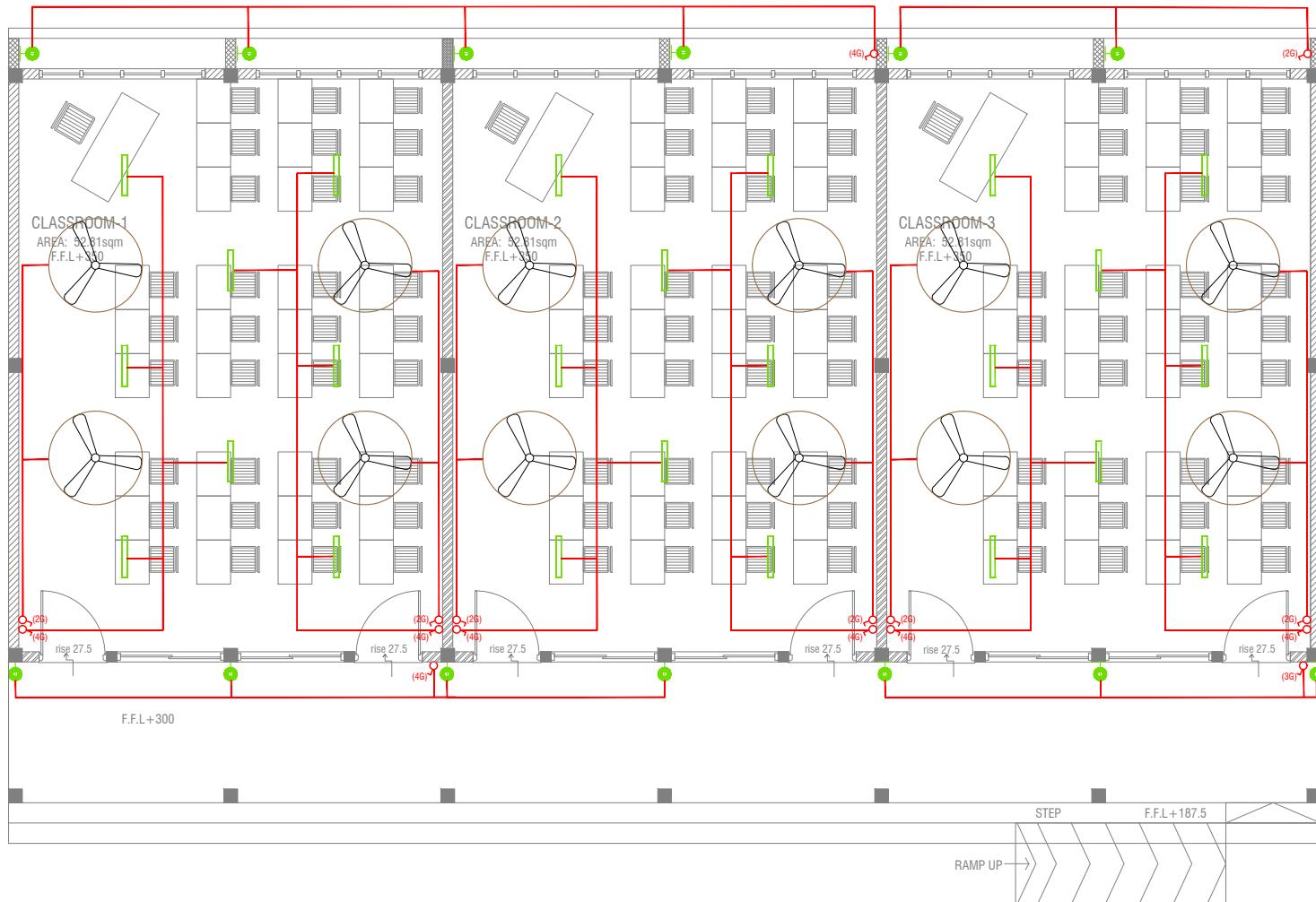
Project Number: RI/2017/012  
Date: March 2021  
Architect: Razzaq Amir  
Engineer: Ihsan Waheed  
Drawn by: Maryam Leevan Jaleel  
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Title: Roof Drainage  
Layout

Page: DR-02/02



## LIGHTING LAYOUT

SCALE 1:100  
0 0.5 1 2 3 4 5

### 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
- EXAUST

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

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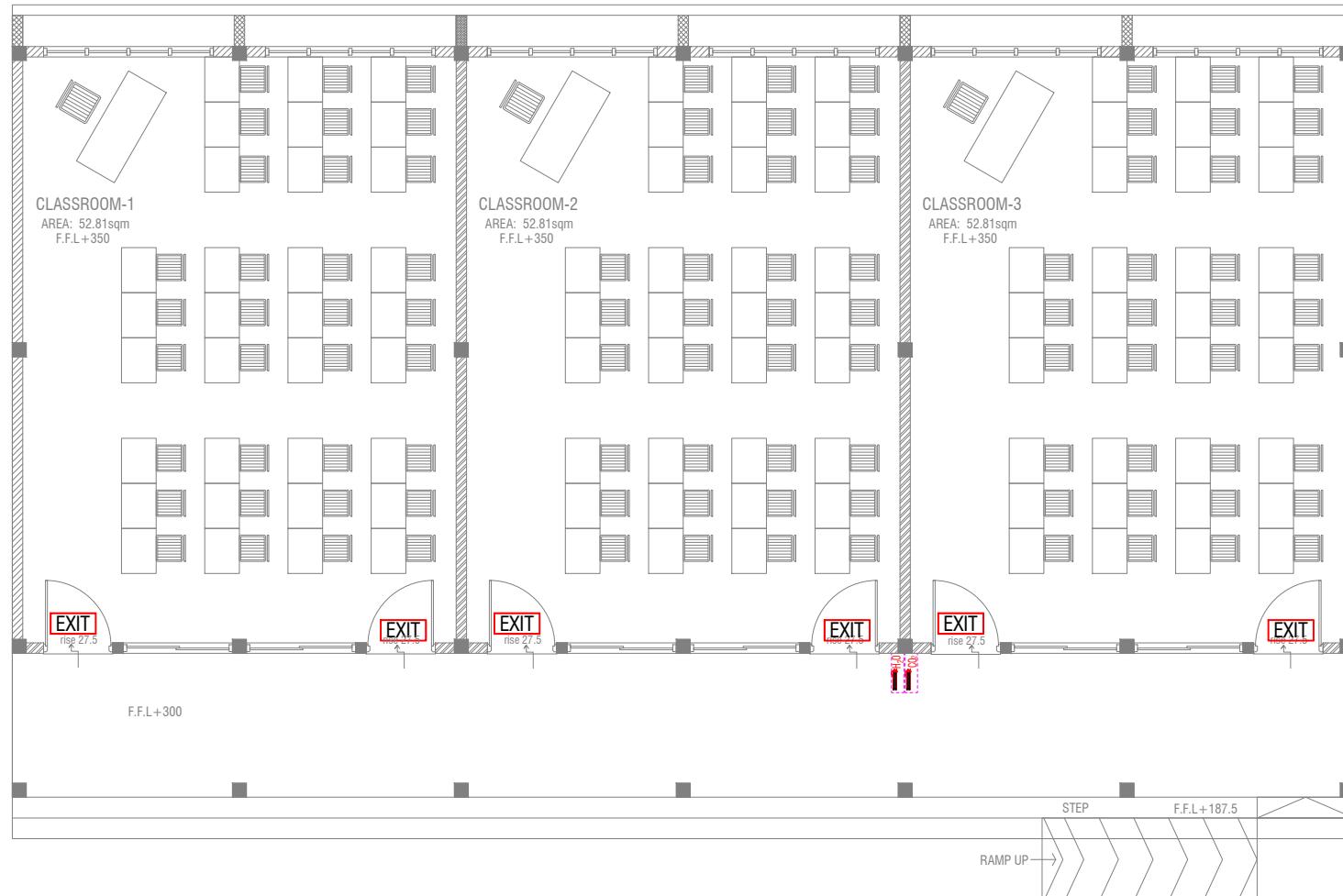
Project Number: RL/2017/02  
Date: March 2021  
Architect: Razzaq Amir  
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Title: Lighting Layout

Page: EL-01/01



#### 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.)

#### FDP LAYOUT

SCALE 1:100

0 0.5 1 2 3 4 5

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

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Architect : Razzaq Waheed  
Engineer : Israan Waheed  
Drawn by : Maryam Leevan Jaleel  
Services : Aishath Ahmed  
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Title: FDP Layout

Page: FDP-01/01



## POWER LAYOUT

SCALE 1:100

0 0.5 1 2 3 4 5

### 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

ALL ELECTRICAL COMPONENT TO BE CONNECTED TO THEIR RESPECTIVE DB  
SPEAKERS TO BE CONNECTED TO THE MAIN PA SYSTEM OF THE SCHOOL

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Title: Power Layout

Page: EP-01/01

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