


BUILDING SERVICES DRAWINGS OF  
PROPOSED 04 STOREY BUILDING  
**K. MAAFUSHI 12 CLASSROOM BLOCK**


For Ministry Of Education





EPOCH


Legend


- 


13A Twin Socket
- 


13A Power Socket
- 


Distribution Board
- 


13A Power Socket in Weatherproof Polycarbonate Enclosure
- 


15A Switched Socket @ H.L.
- 


Emergency Light
- 


Wall Mounted Speaker
- 


Electricity Meter
- 


Computer Network Twin Outlet
- 


HDMI Socket
- 

Internet Switchboard
- 

Ceiling Mounted Exhaust Fan 90m3/hr
- 

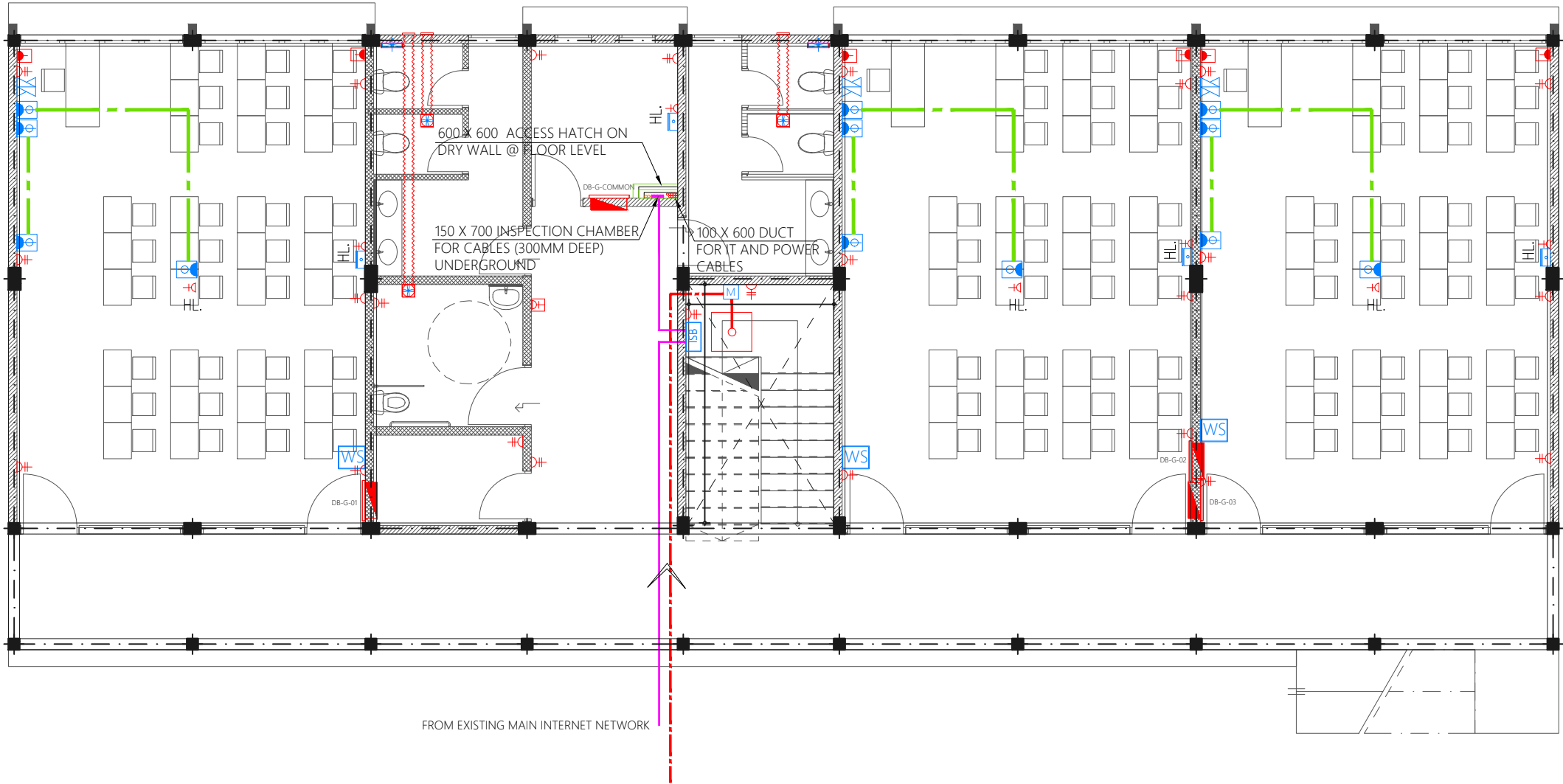
Wall Mounted Exhaust Fan
- 

High Level
- 

82Ø PVC Duct For Tel./Internet Cable Lead In Below Ground Slab
- 

Main Incoming Cable For Power In 110Ø PVC Duct Below Ground Slab

- Notes: -
- All Twin Sockets At 300mm From F.F.L. Except Stated Otherwise
  - All Computer, Telephone Points At 300mm From F.F.L.
  - All electrical components shall be connected to respective Distribution Box in the same area as the component.
  - All electrical components in common areas, corridors and staircase should be connected to Common Area DB
  - Wall Speaker shall be be connected to Public address system of school



GROUND FLOOR POWER AND ACV LAYOUT  
1:100

PROPOSED 04 STOREY BUILDING  
**K. Maafushi 12  
Classroom Block**

Client:  
**Ministry Of Education**

May 2021


Services By: **Mohamed Rassam**  
Checked By:  
Drawn By: **Mohamed Zaidhan**


  
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Legend


 13A Twin Socket


 13A Power Socket


 Distribution Board


 13A Power Socket in Weatherproof Polycarbonate Enclosure


 15A Switched Socket @ H.L.


 Emergency Light


 Wall Mounted Speaker


 Electricity Meter

 Computer Network Twin Outlet

 HDMI Socket


 Internet Switchboard


 Ceiling Mounted Exhaust Fan 90m3/hr

 Wall Mounted Exhaust Fan

HL.

High Level

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 Main Incoming Cable For Power In 110Ø PVC Duct Below Ground Slab

Notes: -

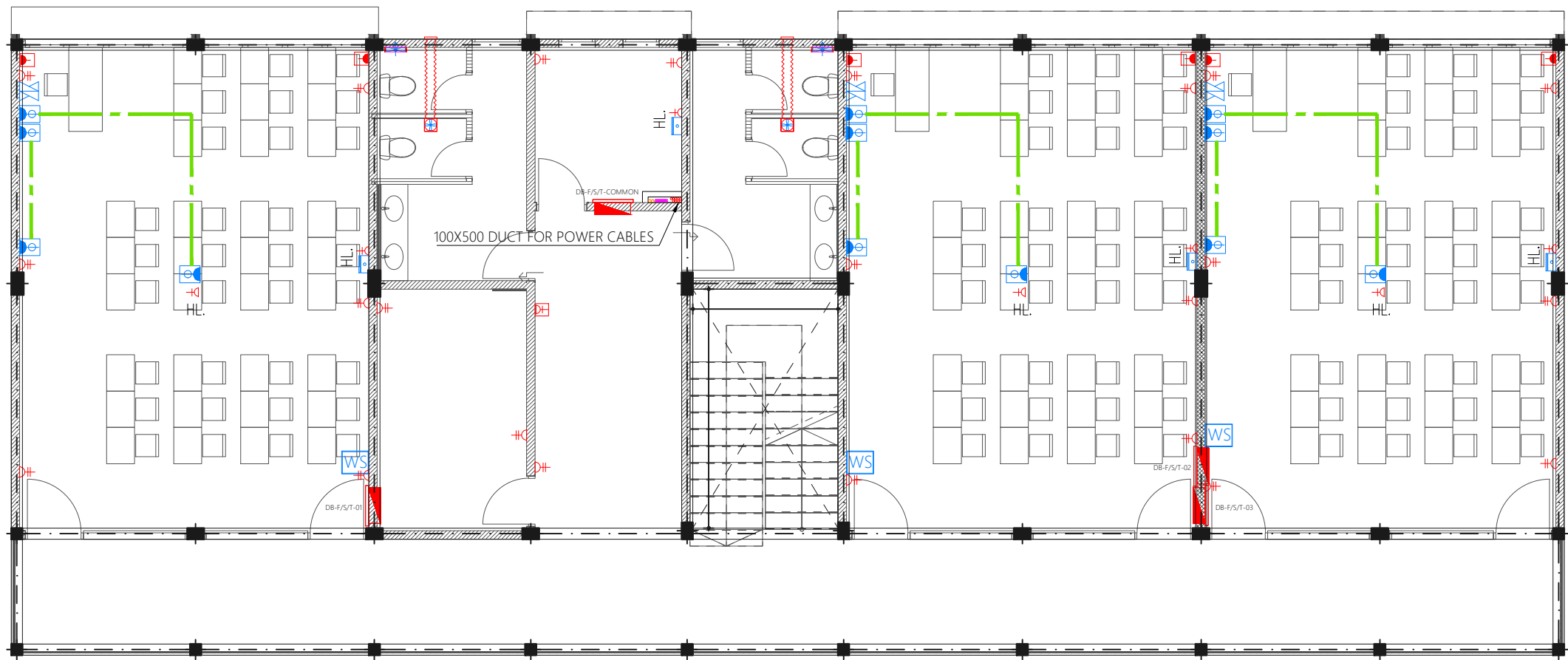
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K. Maafushi 12

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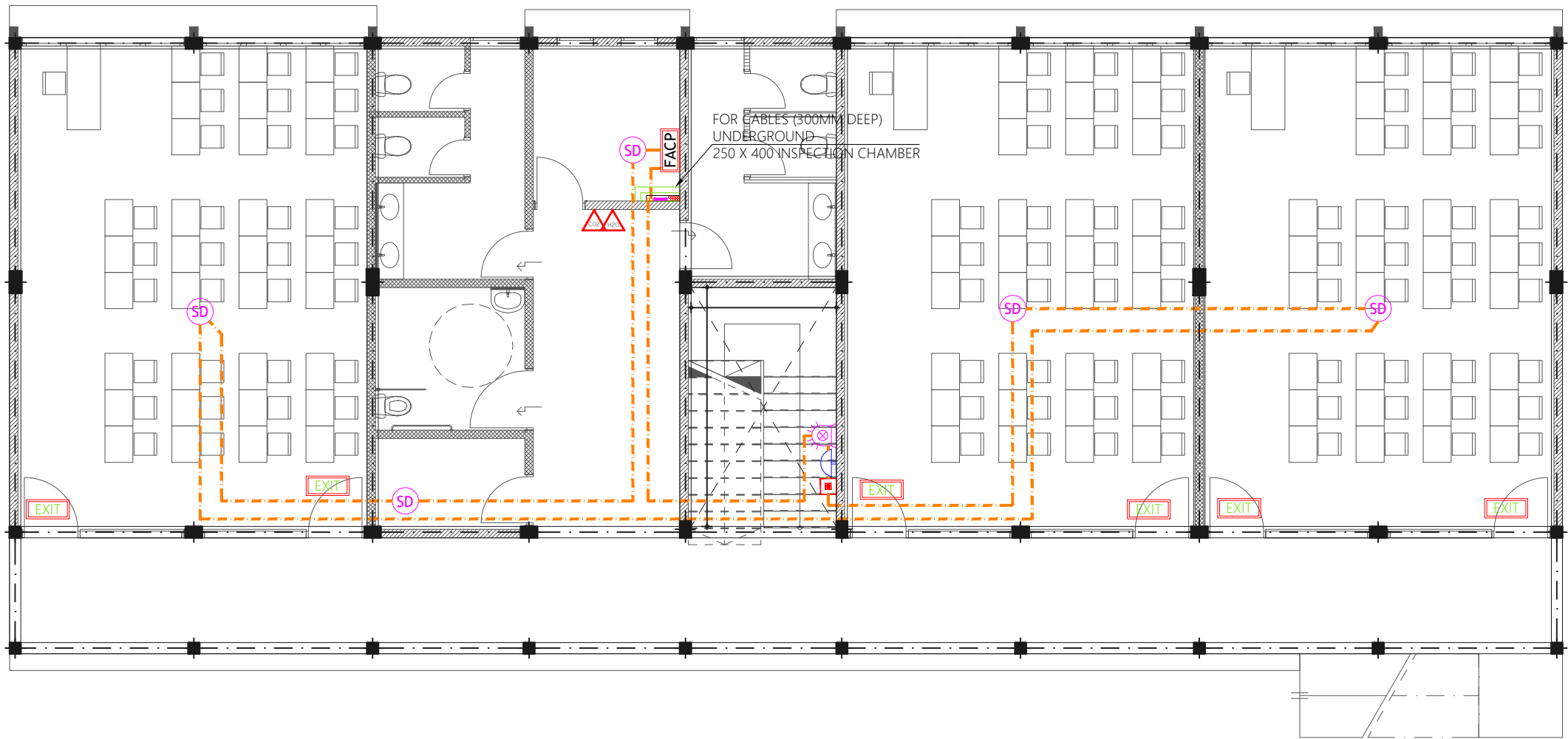
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Legend

-  CO<sub>2</sub> Extinguisher (load: 2kg) In Polycarbonate Enclosure
-  H<sub>2</sub>O Extinguisher (load: 9L) In Polycarbonate Enclosure
-  Manual Call Point
-  Smoke Detector
-  Beacon
-  Sounder Bell
-  2.5mm<sup>2</sup> Fire Retardant Low Smoke (FRLS) Cables In FRLS Conduits running at ceiling level
-  Exit Sign
-  Fire Alarm Control Panel



GROUND FLOOR FDP LAYOUT  
1:100

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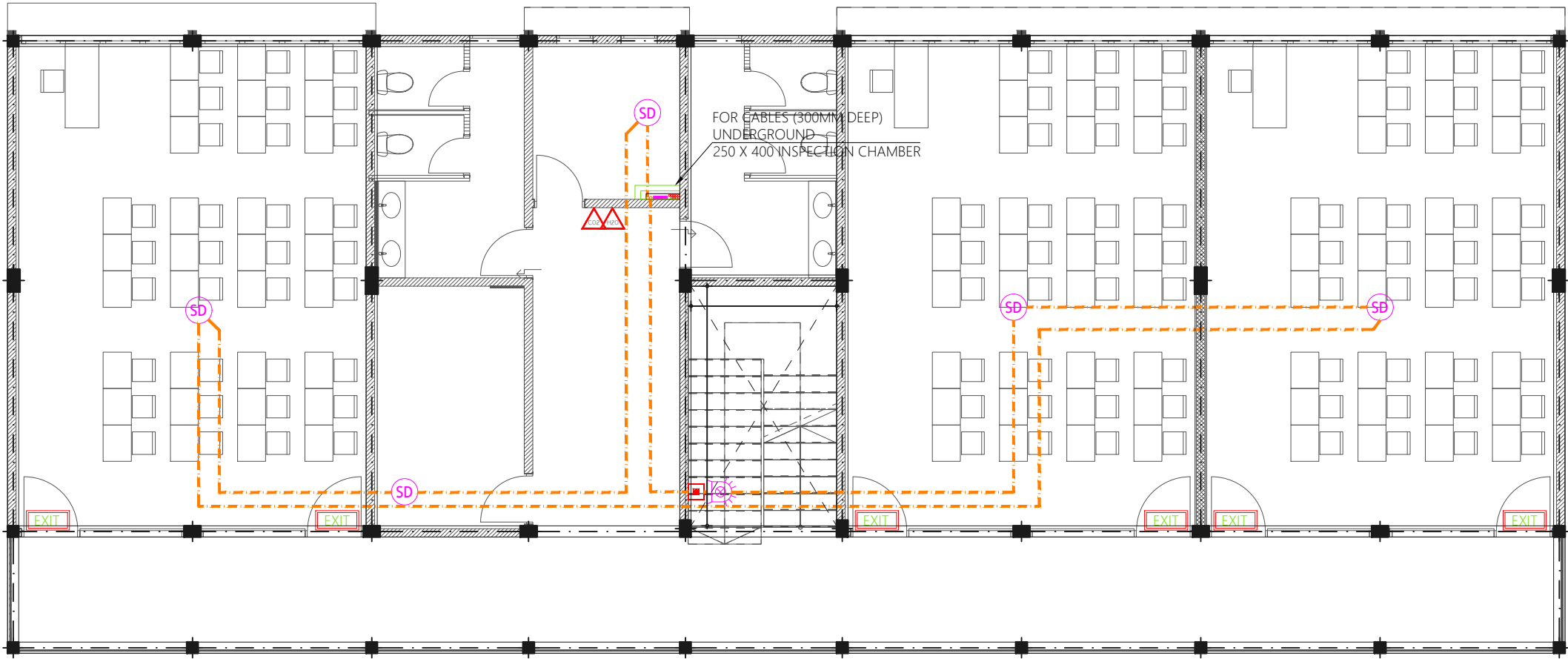
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Legend

-  CO<sub>2</sub> Extinguisher (load: 2kg) In Polycarbonate Enclosure
-  H<sub>2</sub>O Extinguisher (load: 9L) In Polycarbonate Enclosure
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FIRST TO THIRD FLOOR FDP LAYOUT

1:100

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Legend


- 


Ceiling Light (12W)
- 


Recessed Ceiling Light (12W)
- 


Ceiling Down Light (18W) - Weather Proof
- 


100W, HPS, Wall Mounted Light, IP 65
- 


3 Ft Led Tube Light
- 

Ceiling Recessed Spot Light (3W)
- 

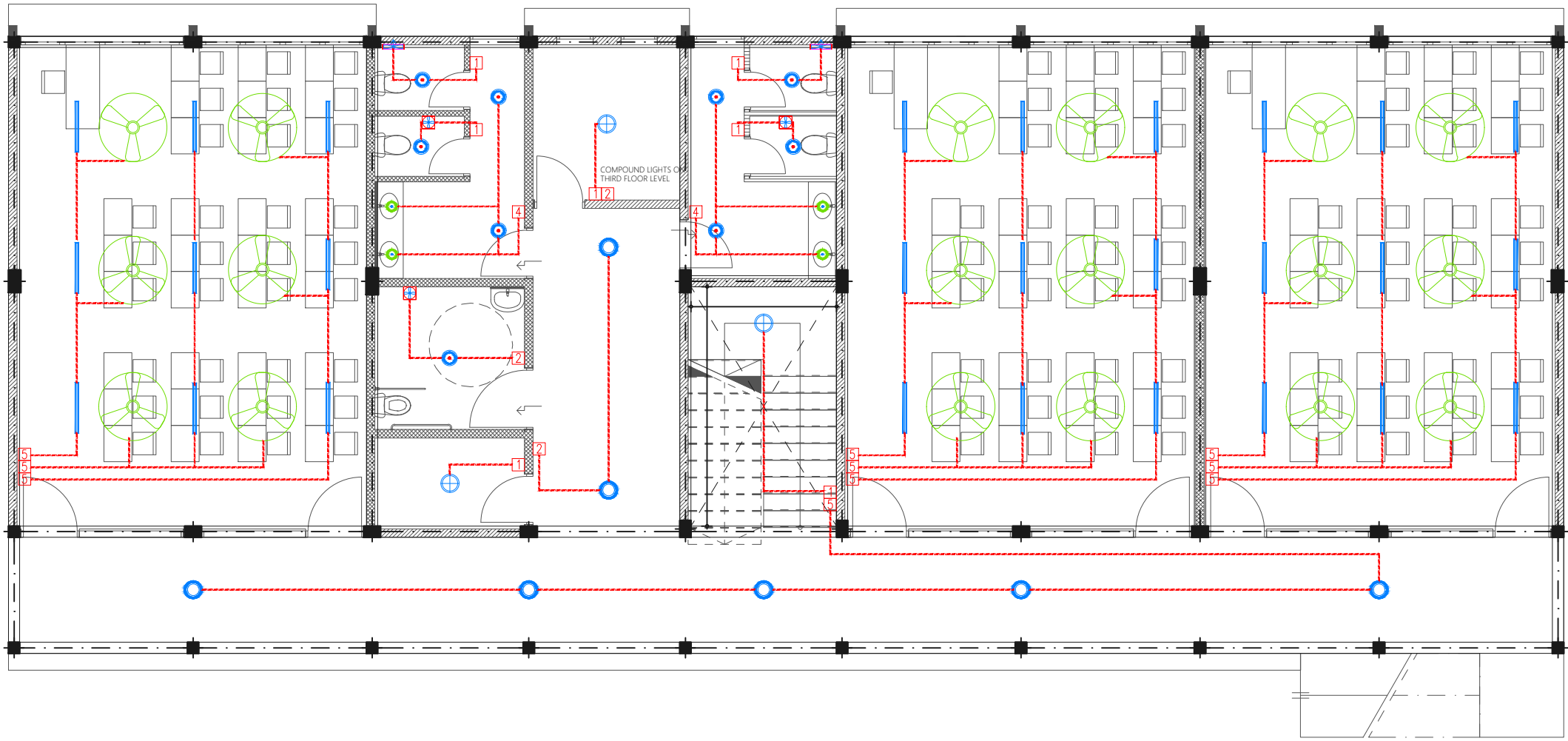
Light Switch (1 Gang - 5 Gang)
- 

Ceiling Fan Switch With Controller
- 

Ceiling Mounted Exhaust Fan 90m3/hr
- 

Wall Mounted Exhaust Fan
- 

42" To 48" Ceiling Fan



GROUND FLOOR LIGHTING LAYOUT  
1:100

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Legend


- 


Ceiling Light (12W)
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
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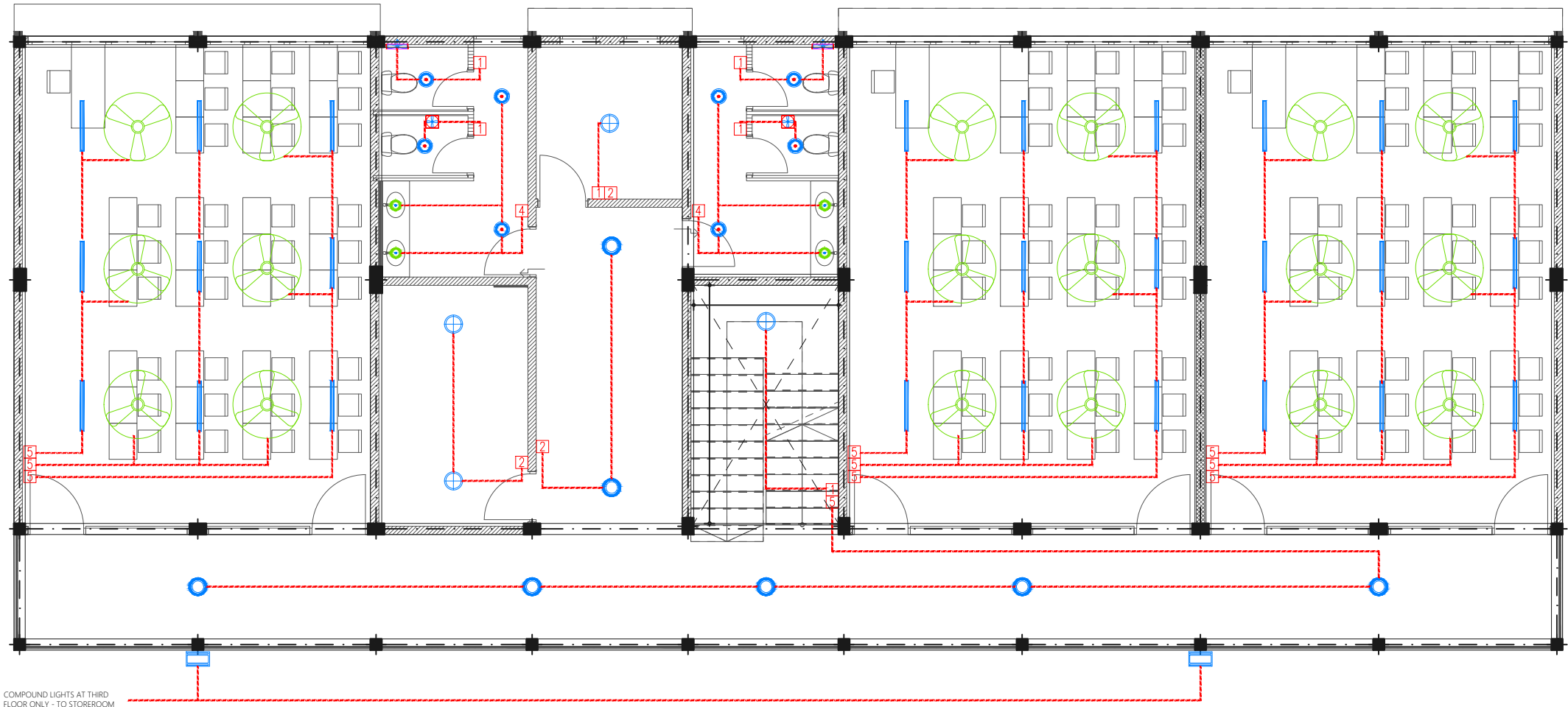
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Ceiling Fan Switch With Controller
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Wall Mounted Exhaust Fan
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42" To 48" Ceiling Fan



FIRST TO THIRD FLOOR LIGHTING LAYOUT  
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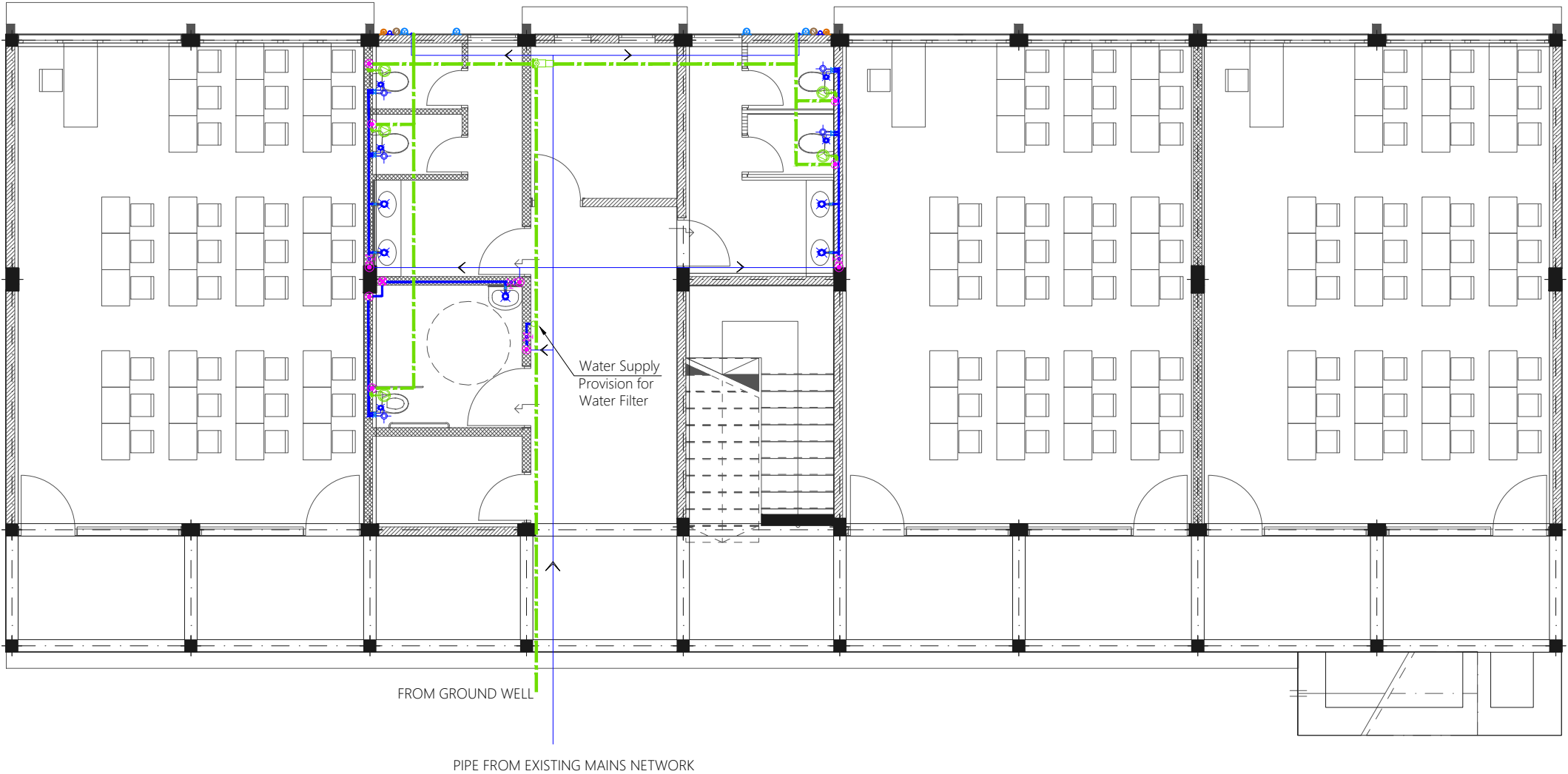
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Legend

- 25Ø Cold Water Supply Pipes Running Underground
- 20Ø Cold Water Supply Pipes Running In Wall
- 20Ø Cold Water Supply Pipes Running Above False Ceiling
- 20Ø Cold Water Supply Pipes Running Underground
- 25Ø Ground Water Supply Pipes
- False Ceiling
- 16Ø Cold Water Supply To Basin Faucet
- 16Ø Cold Water Supply To Bidet Shower
- 16Ø Cold Water Supply To Cistern
- Gate Valve
- Rise In Wall
- Drop In Wall
- Angle Valve with cap for Ground Water Supply

Notes: -  
-All Cold Water Pipes Should Be PVC



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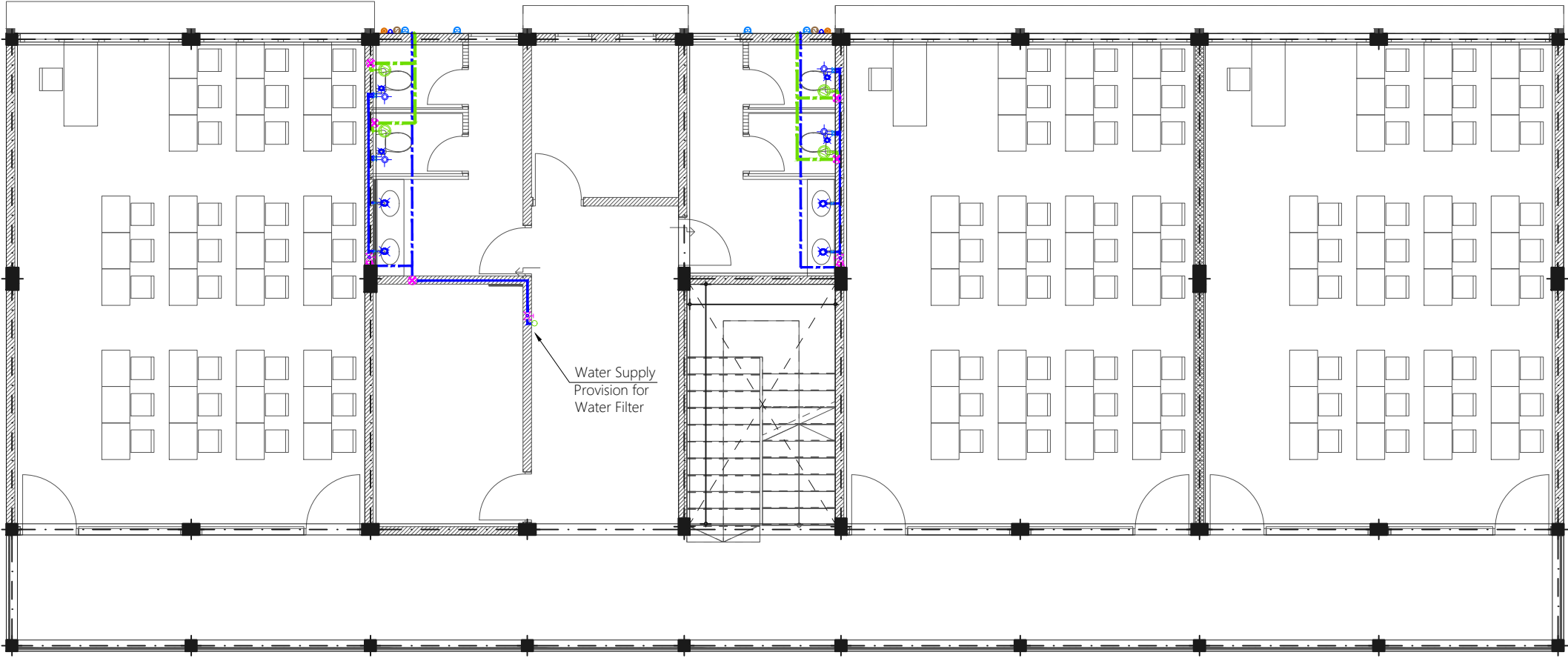
  
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Legend


- 


Floor Drain
- 


Floor Gully
- 


110Ø Soil Pipe (uPVC Pipe)
- 


110Ø Soil Vent Pipe (uPVC Pipe)
- 


82Ø Waste Pipe (uPVC Pipe)
- 


82Ø Waste Vent Pipe (uPVC Pipe)
- 


40Ø Waste Pipe (uPVC Pipe)
- 


63Ø Manhole Vent Pipe (uPVC Pipe)
- 

110Ø Rain Water Pipes (uPVC Pipe)
- 

Bottle Trap
- 

Rodding Eye
- 

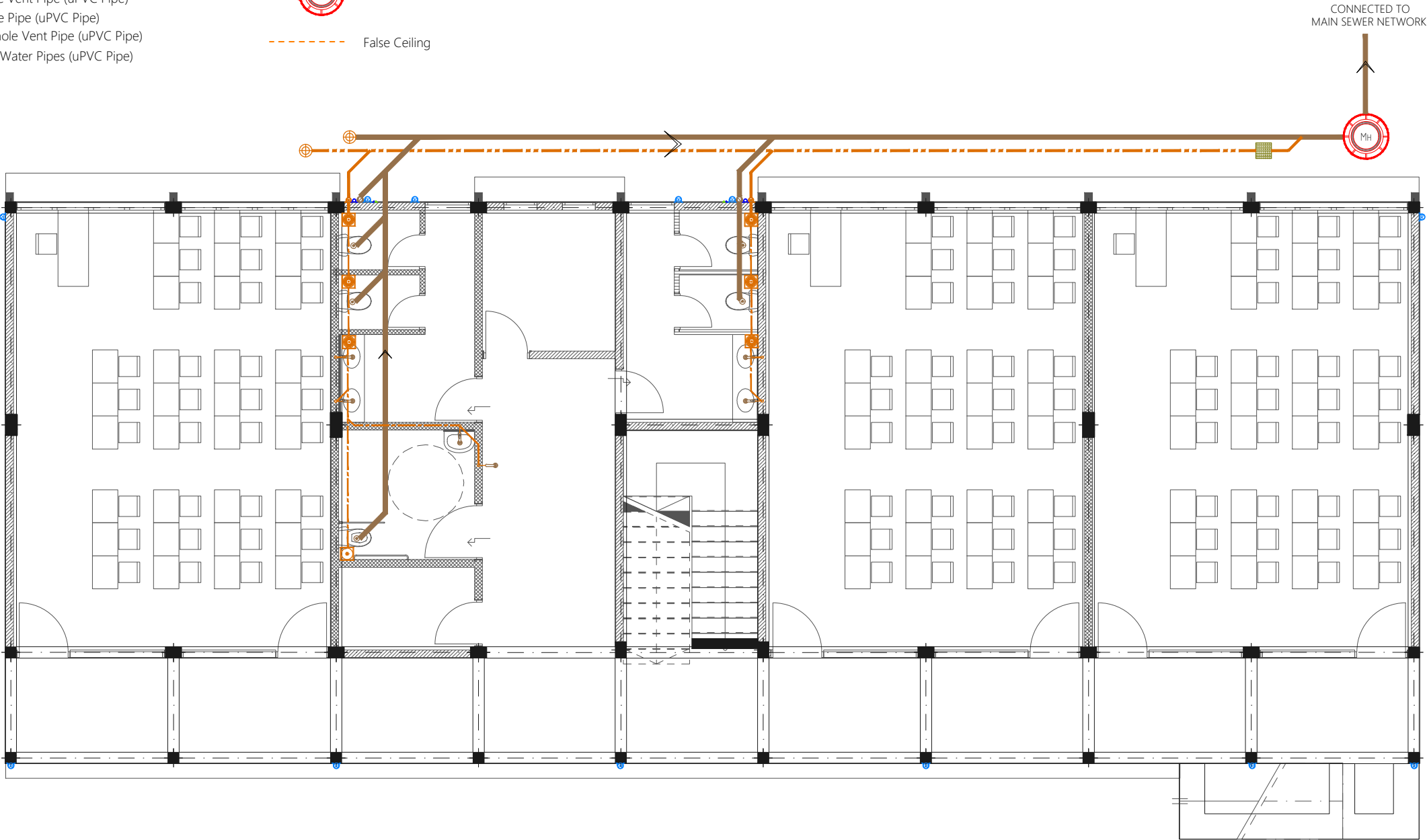
Gully Trap
- 

Manhole
- 

False Ceiling

Notes: -

- All Drainage Pipes Should Have At A Slope Of 1/150
- All Floor Drains Should Have 'P' Traps



GROUND FLOOR DRAINAGE LAYOUT

1:100

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Legend


- 


Floor Drain
- 


Floor Gully
- 


110Ø Soil Pipe (uPVC Pipe)
- 


110Ø Soil Vent Pipe (uPVC Pipe)
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Rodding Eye
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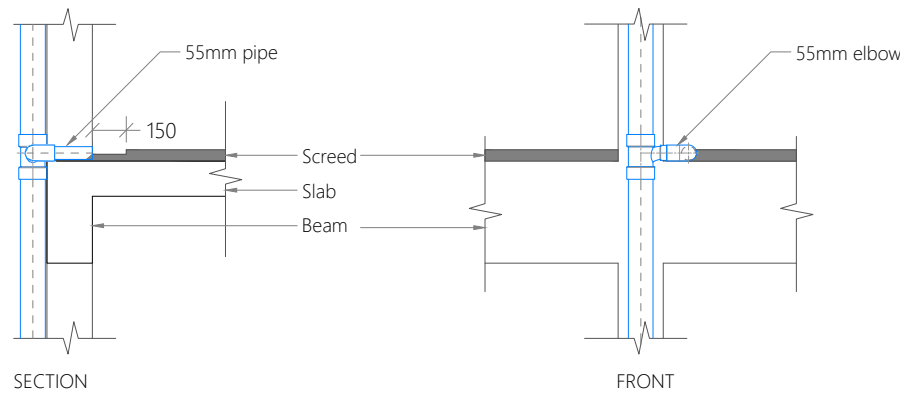
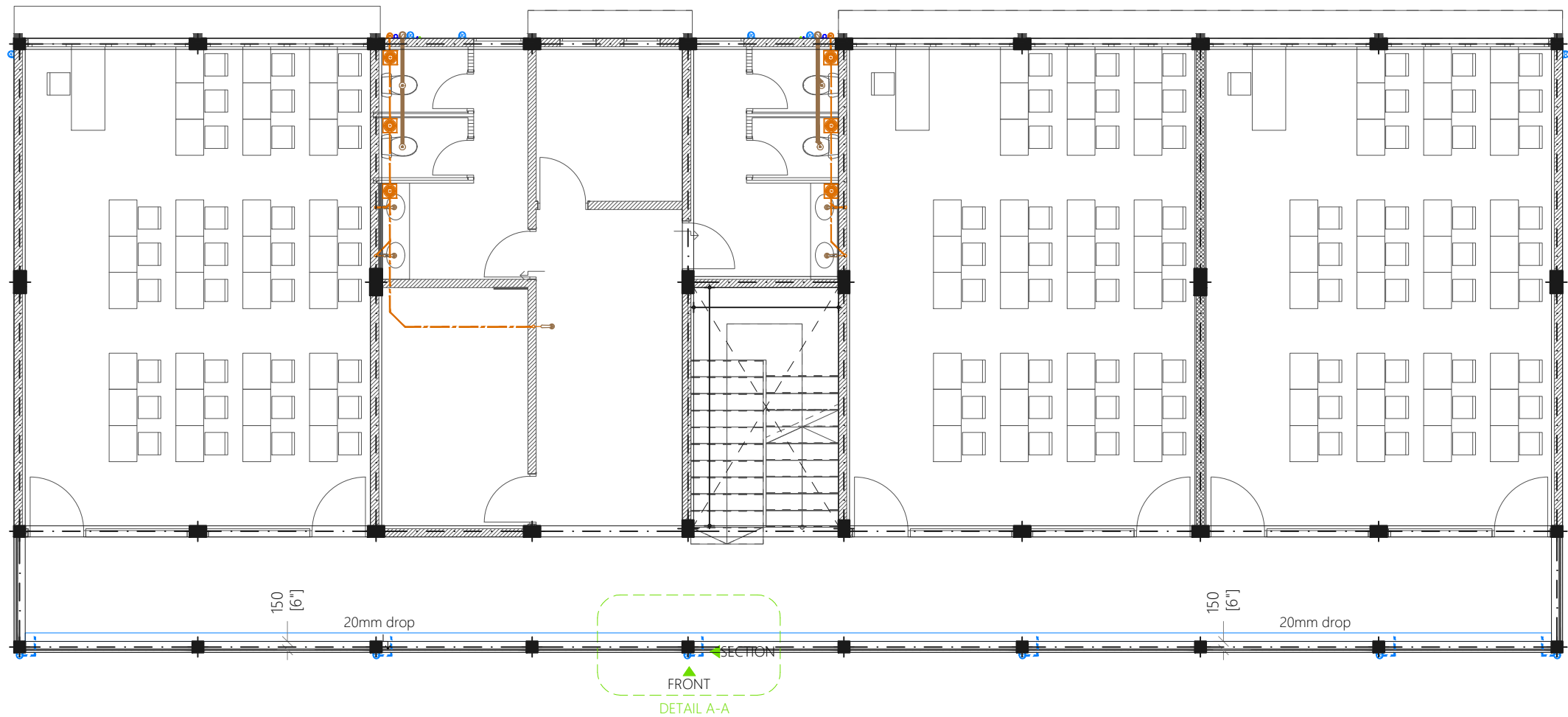
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Manhole
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False Ceiling

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Legend


- 


Floor Drain
- 


Floor Gully
- 


110Ø Soil Pipe (uPVC Pipe)
- 


110Ø Soil Vent Pipe (uPVC Pipe)
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82Ø Waste Pipe (uPVC Pipe)
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Rodding Eye
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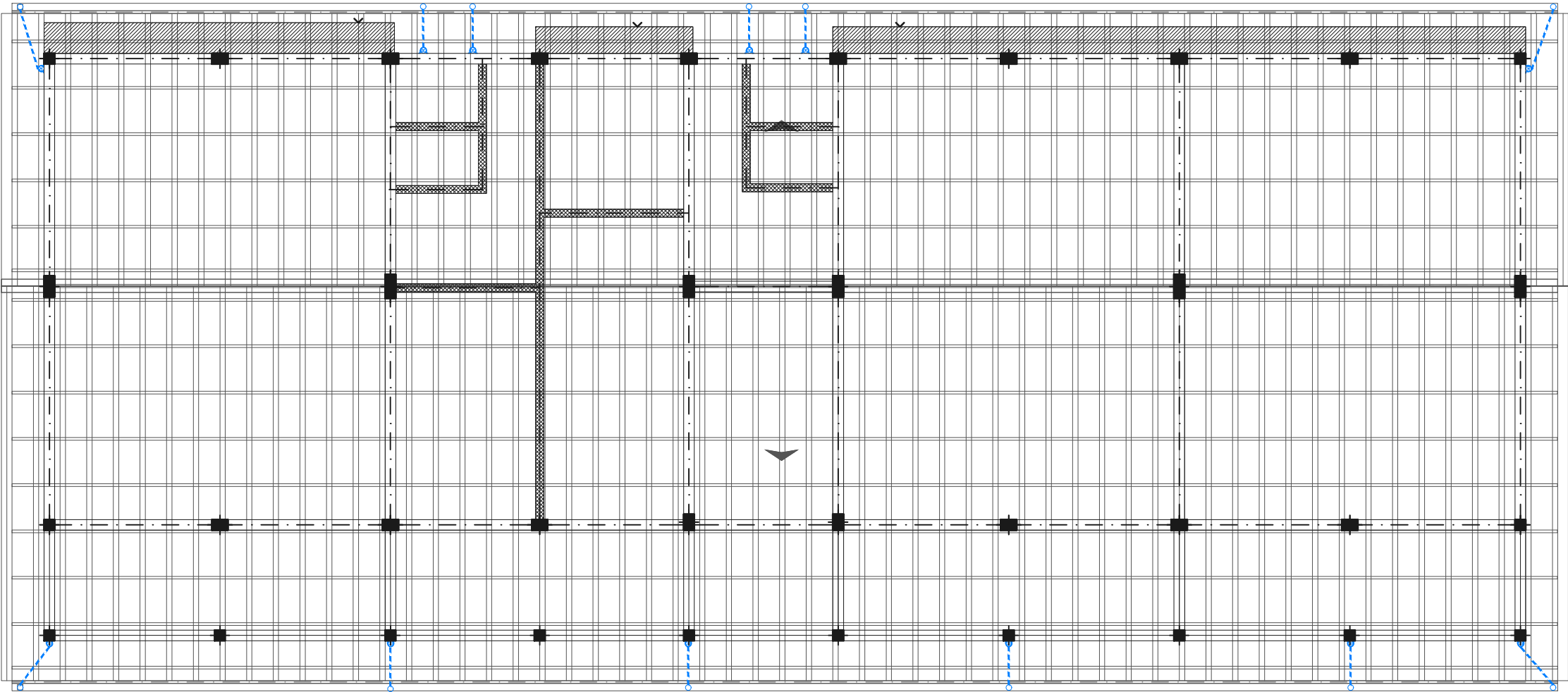
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**ROOF DRAINAGE LAYOUT**

1:100