

BUILDING SERVICES DRAWINGS OF

PROPOSED 02 STOREY BUILDING AT

**AFEEFUDHEEN SCHOOL 8 CLASSROOM BLOCK,  
HDH.KULHUDUFUSHI**

For Ministry Of Education

By Epoch Associates Pvt. Ltd



Legend

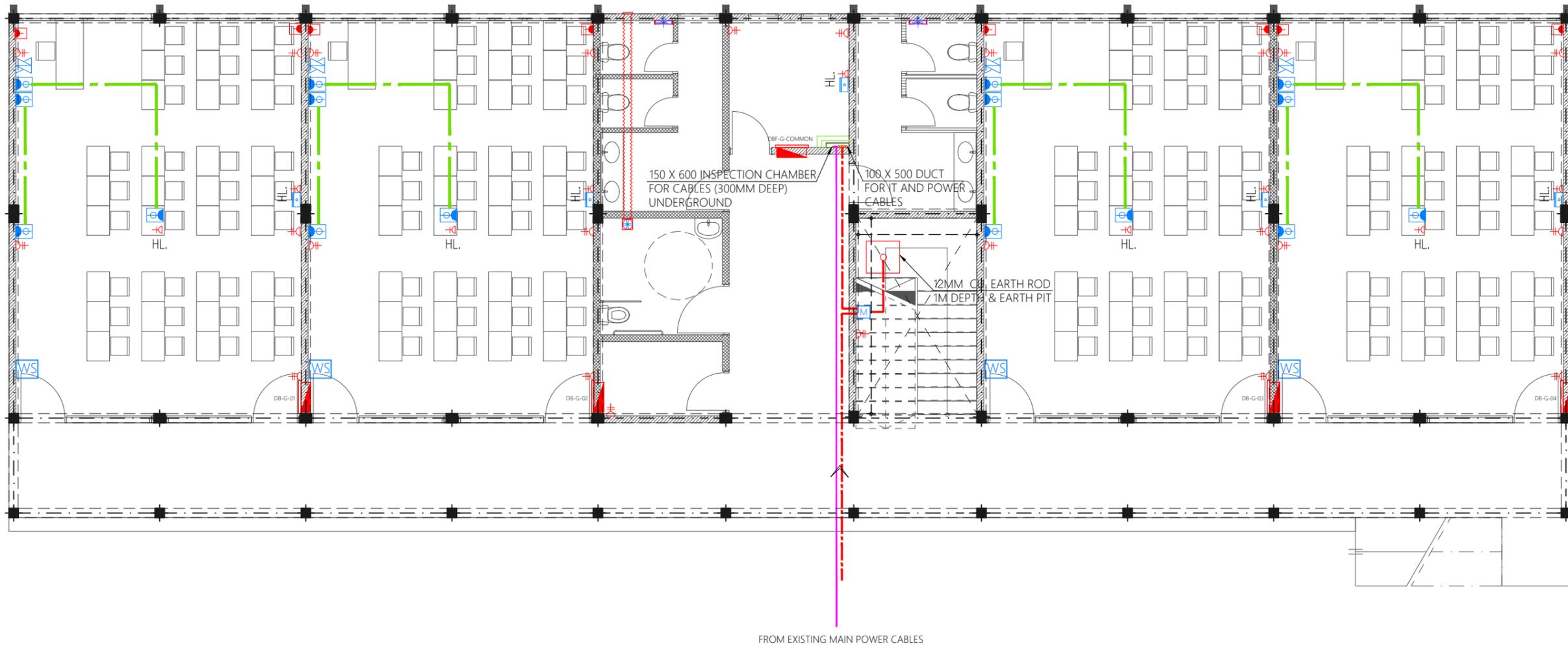
-  13A Twin Socket
-  13A Power Socket
-  Distribution Board
-  15A Switched Socket @ H.L.
-  HL. High Level
-  Emergency Light
-  WS Wall Mounted Speaker
-  M Electricity Meter
-  Public Address System
-  Computer Network Twin Outlet
-  HDMI Socket
-  82Ø PVC Duct For Tel./Internet Cable Lead In Below 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 connected to Public address system of school

Legend

-  Ceiling Mounted Exhaust Fan 90m3/hr
-  Wall Mounted Exhaust Fan



PROPOSED 02 STOREY BUILDING AT  
**AFEEFUDHEEN SHCOOL**  
**8 CLASSROOM BLOCK, HDH.**  
**KULHUDHUFFUSHI**  
 Client:  
**Ministry Of Education**

January 2021  
 Services By: **Mohamed Rassam**  
 Checked By:  
 Drawn By: **Hussain Rasheed**

  
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**GROUND FLOOR POWER AND ACV LAYOUT**

1:100

Legend

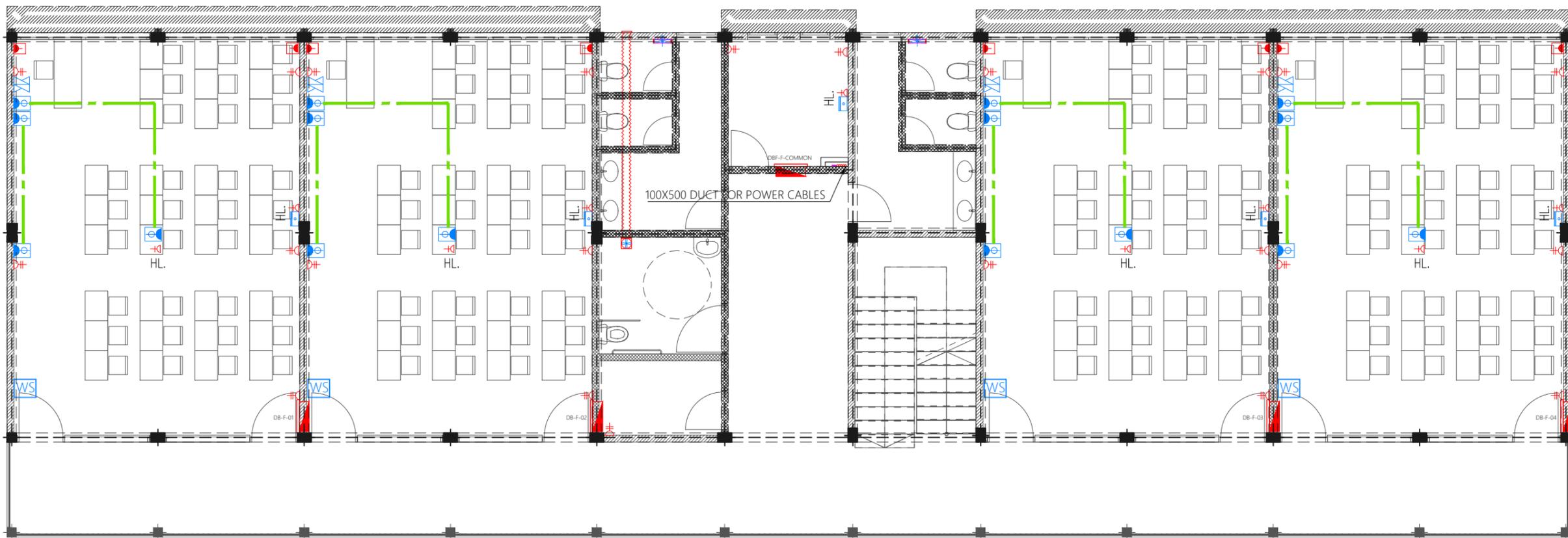
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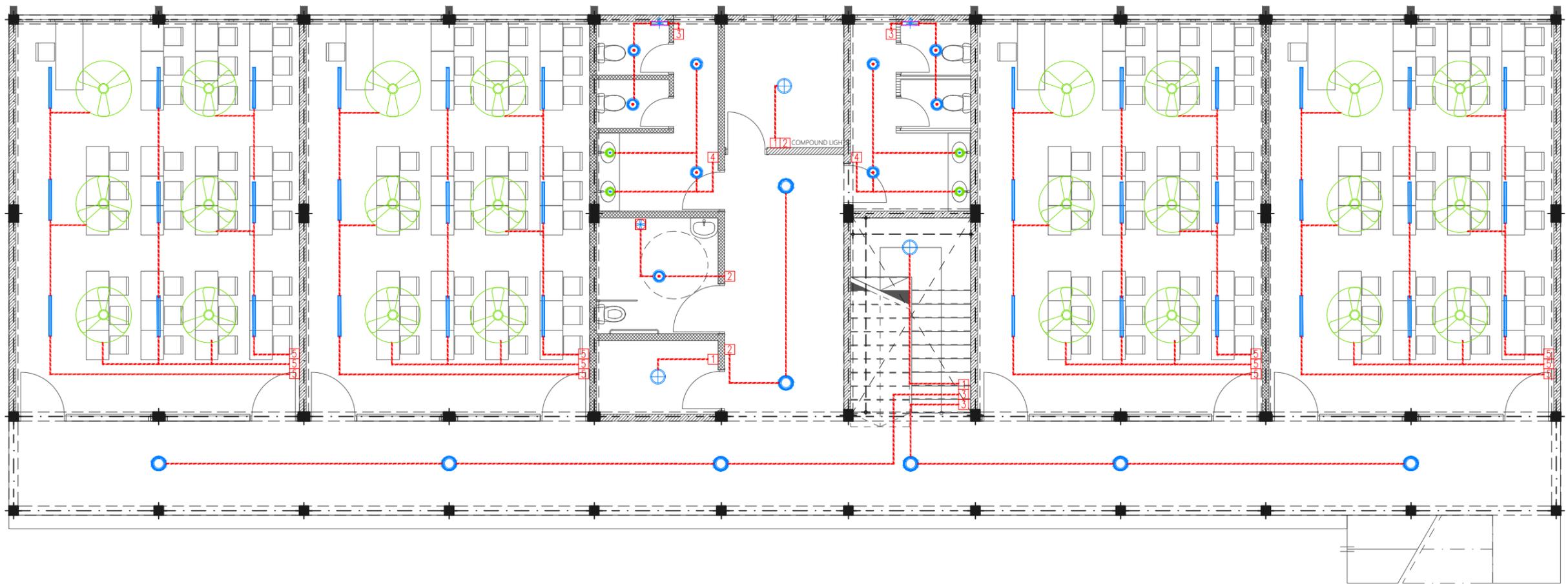
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**FIRST FLOOR POWER AND ACV LAYOUT**

1:100

Legend

-  Ceiling Light (18W)
-  Ceiling Light (12W)
-  Recessed Ceiling Light (12W)
-  Ceiling Down Light (18W) - Weather Proof
-  Weather Proof Wall Light IP65 (40W) - For Compound Lighting
-  3 Ft Led Tube Light
-  Ceiling Recessed Spot Light (3W)
-  Light Switch (1 Gang - 5 Gang)
-  42" To 48" Ceiling Fan



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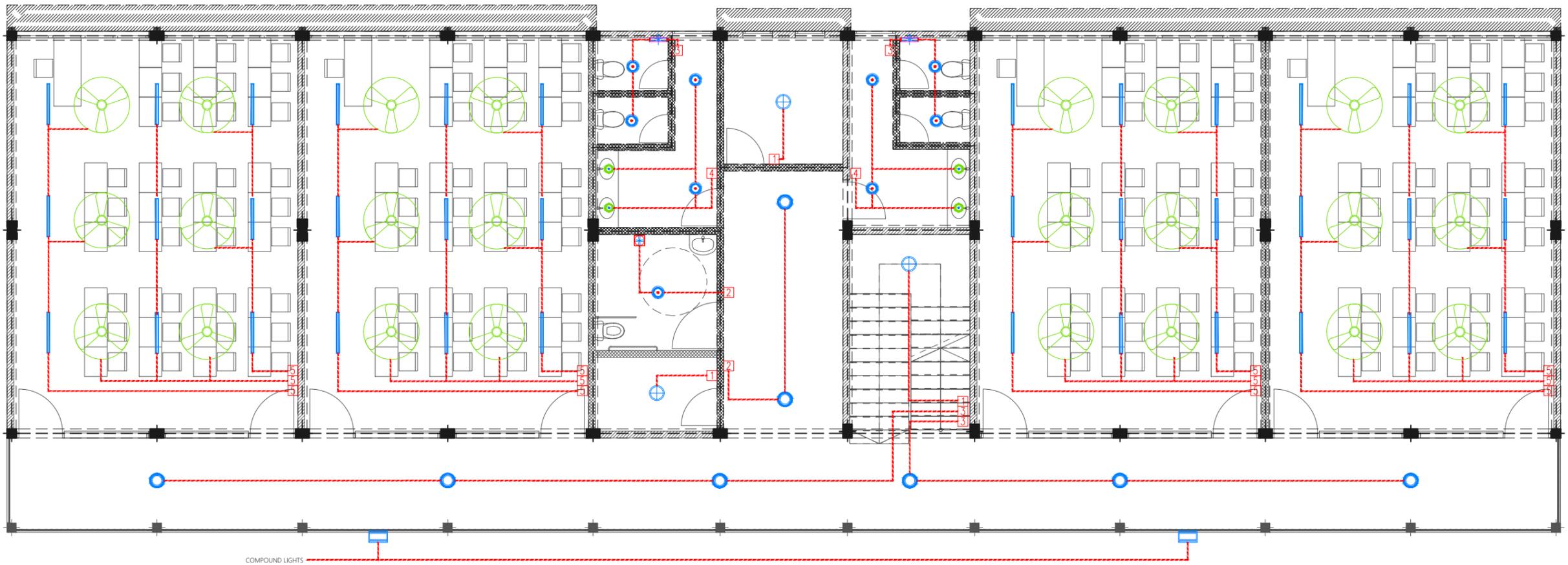
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**GROUND FLOOR LIGHTING LAYOUT**

1:100

Legend

-  Ceiling Light (18W)
-  Ceiling Light (12W)
-  Recessed Ceiling Light (12W)
-  Ceiling Down Light (18W) - Weather Proof
-  3 Ft Led Tube Light
-  100W, HPS, Wall Mounted Light, IP 65
-  Ceiling Recessed Spot Light (3W)
-  Light Switch (1 Gang - 5 Gang)
-  42" To 48" Ceiling Fan



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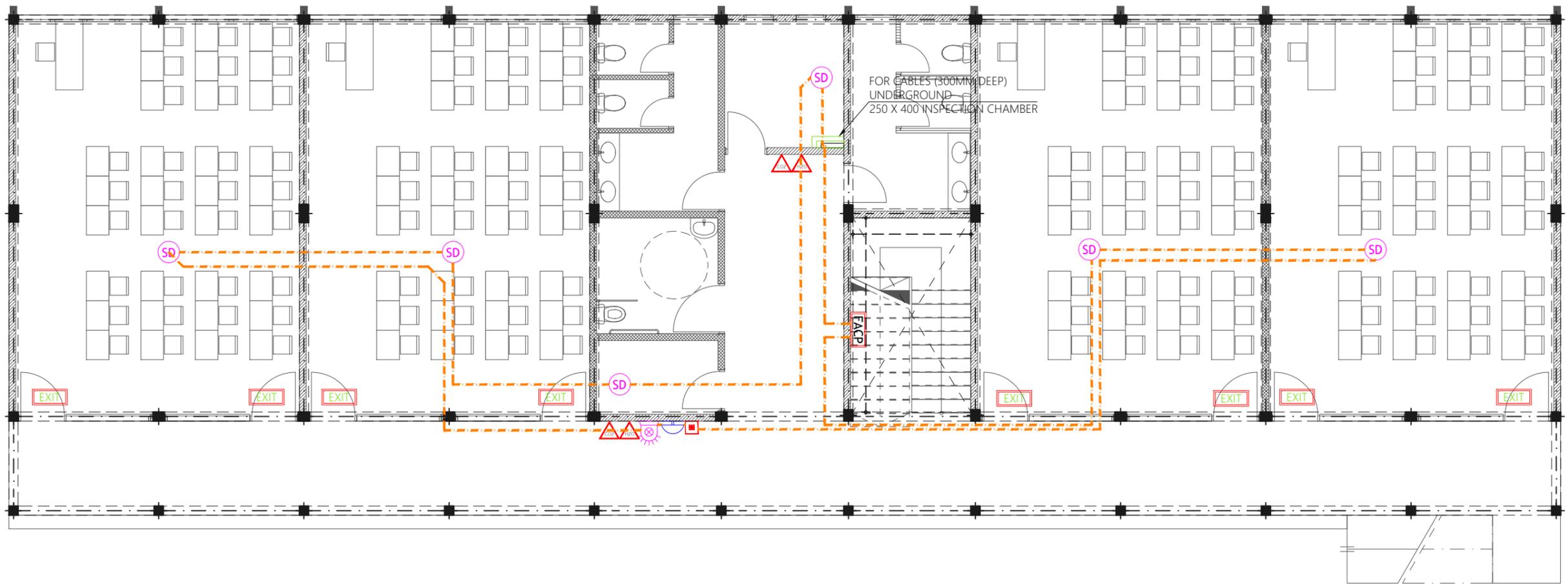
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**FIRST FLOOR LIGHTING LAYOUT**

1:100

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
-  Heat Detector
-  Beacon
-  Sounder Bell
-  2.5mm<sup>2</sup> Fire Retardant Low Smoke (FRLS) Cables In FRLS Conduits
-  Exit Sign
-  Fire Alarm Control Panel



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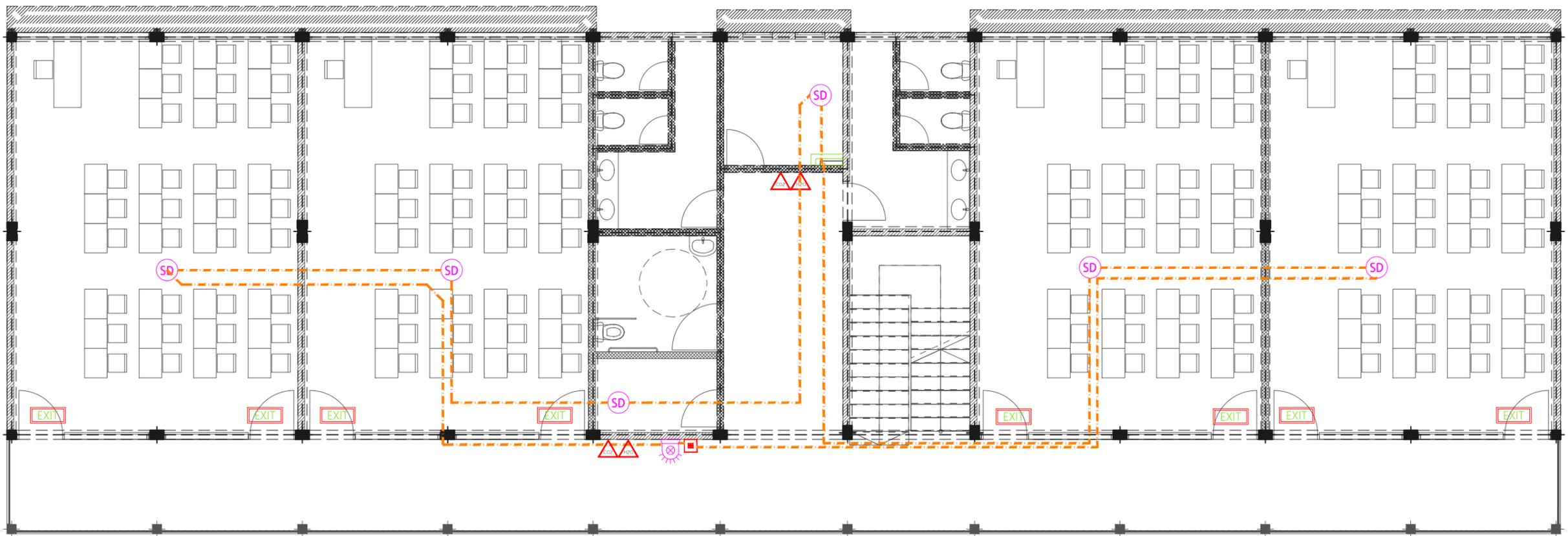
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**GROUND FLOOR FDP LAYOUT**

1:100

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
-  Heat Detector
-  Beacon
-  Sounder Bell
-  2.5mm<sup>2</sup> Fire Retardant Low Smoke (FRLS) Cables In FRLS Conduits
-  Exit Sign
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FIRST FLOOR FDP LAYOUT

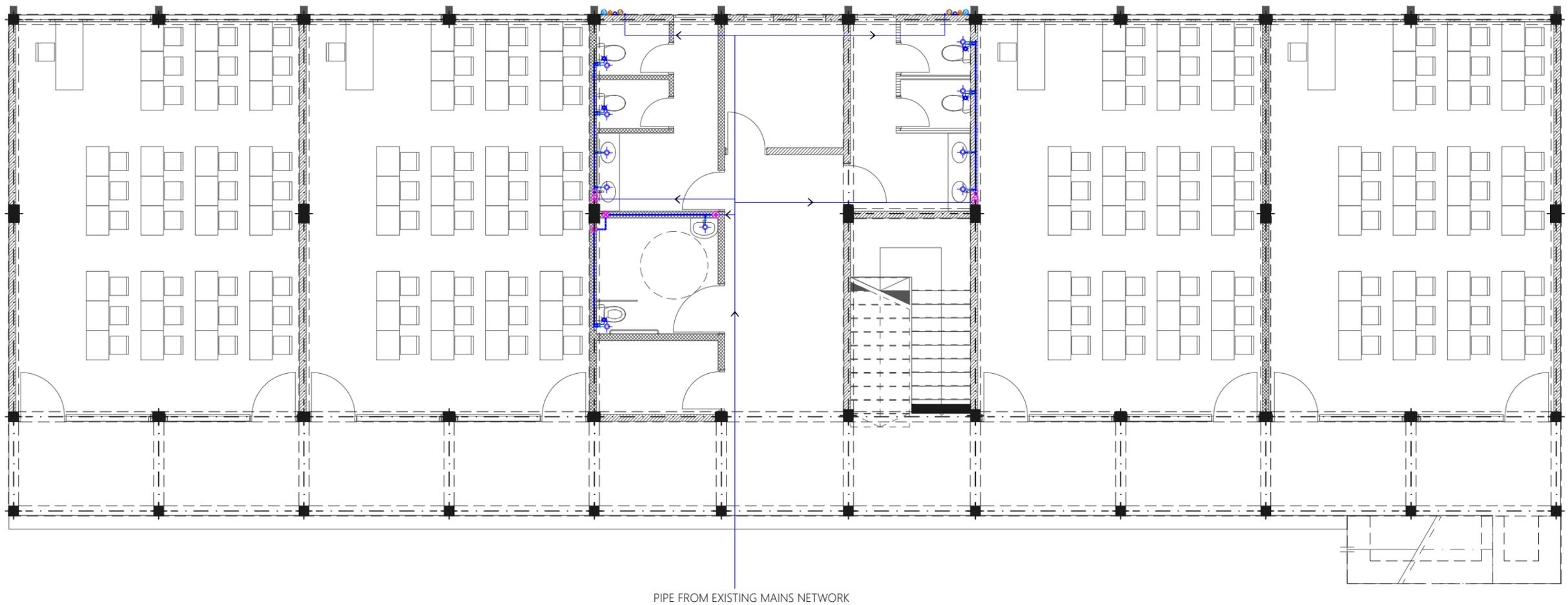
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Legend

-  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
-  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

Notes: -

- All Cold Water Pipes Should Be PVC
- SII Hot Water Pipes Should Be PPR



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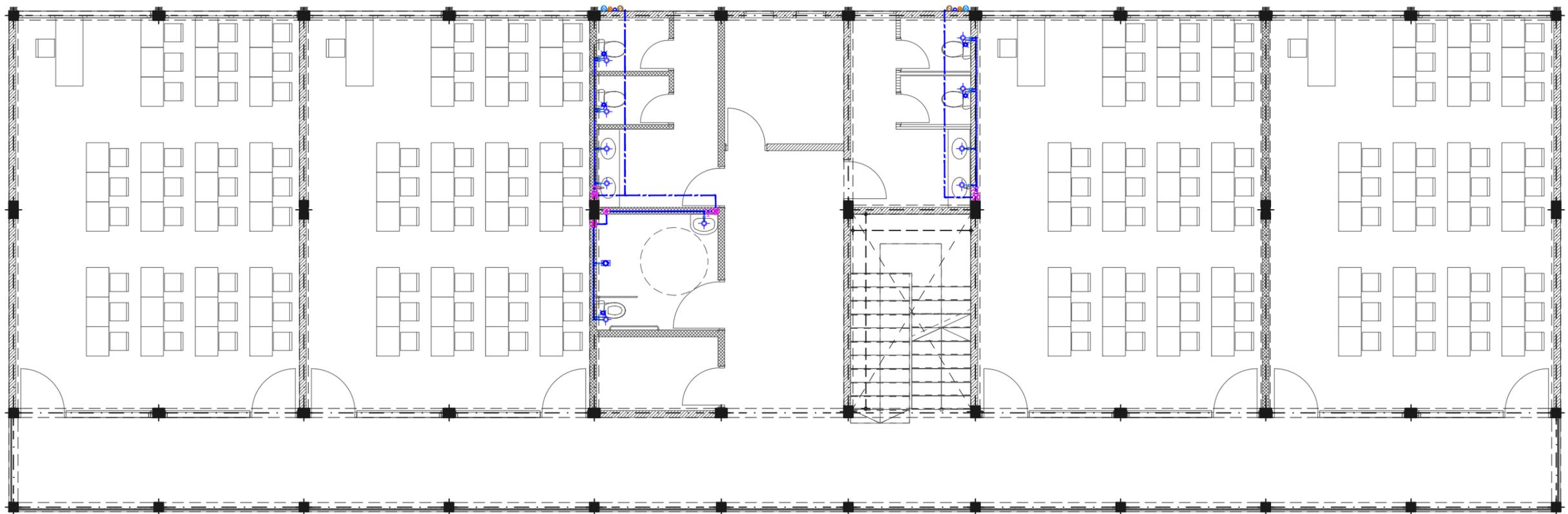
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Legend

-  16Ø Cold Water Supply To Basin Faucet
-  16Ø Cold Water Supply To Bidet Shower
-  16Ø Cold Water Supply To Cistern
-  16Ø Cold Water Supply To Wall Tap
-  Gate Valve
-  Rise In Wall
-  Drop In Wall
-  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

Notes: -

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**FIRST FLOOR PLUMBING LAYOUT**

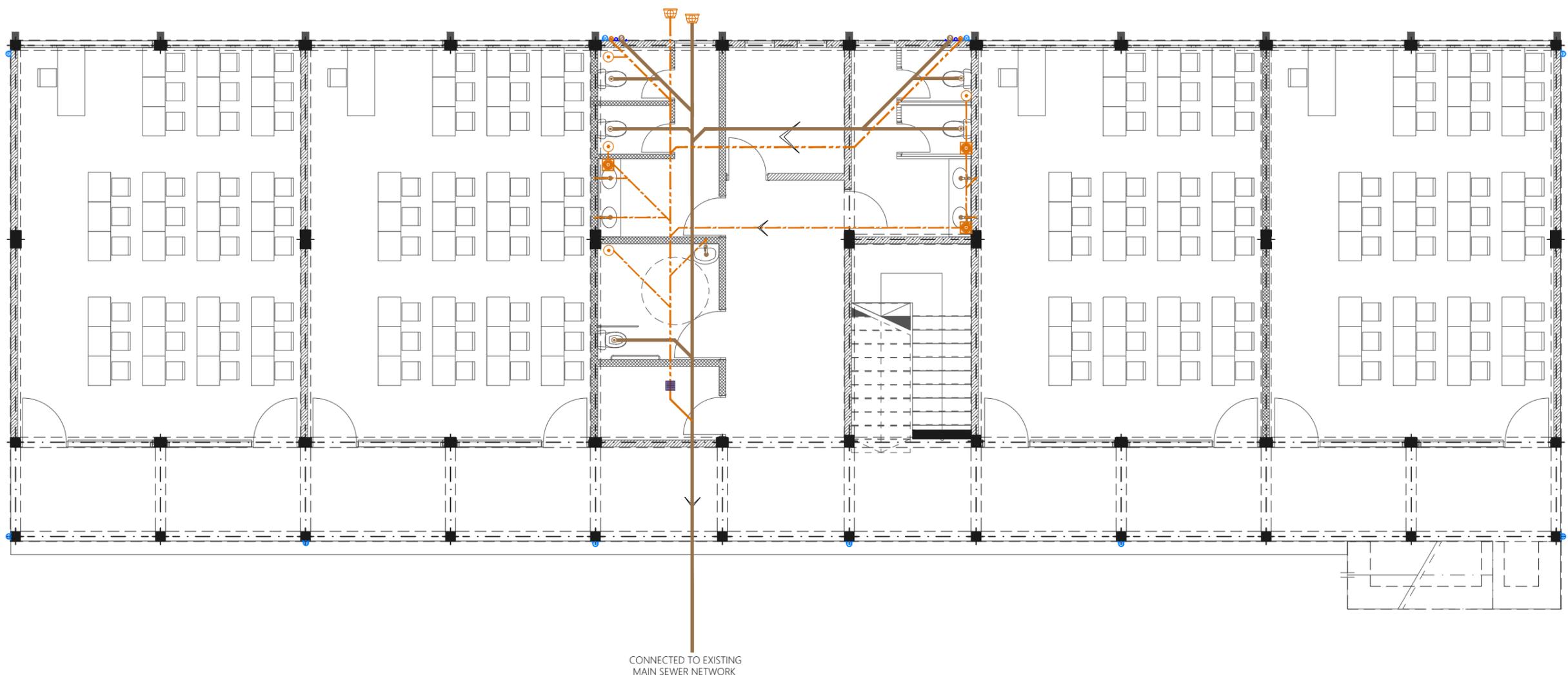
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Legend

-  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)
-  110Ø Rainwater Outlet Perforated Cowl
-  Gully Trap
-  Clean Out Point
-  Bottle Trap

Notes: -

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



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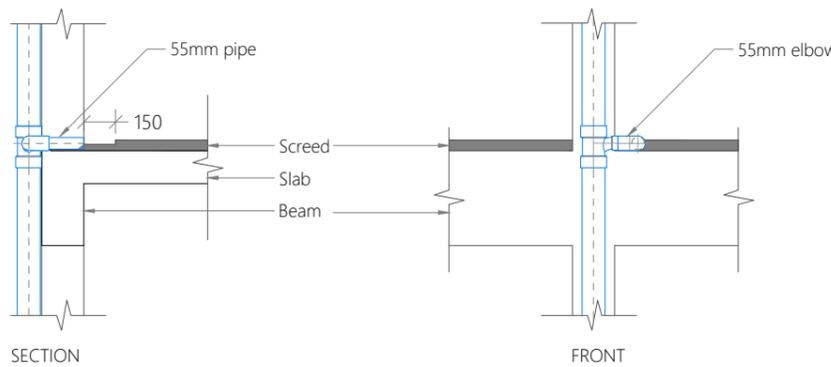
**GROUND FLOOR DRAINAGE LAYOUT**  
 1:100

**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)
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-  110Ø Rainwater Outlet Perforated Cowl
-  Clean Out Point
-  Bottle Trap

**Notes: -**

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**FIRST FLOOR DRAINAGE LAYOUT**

1:100

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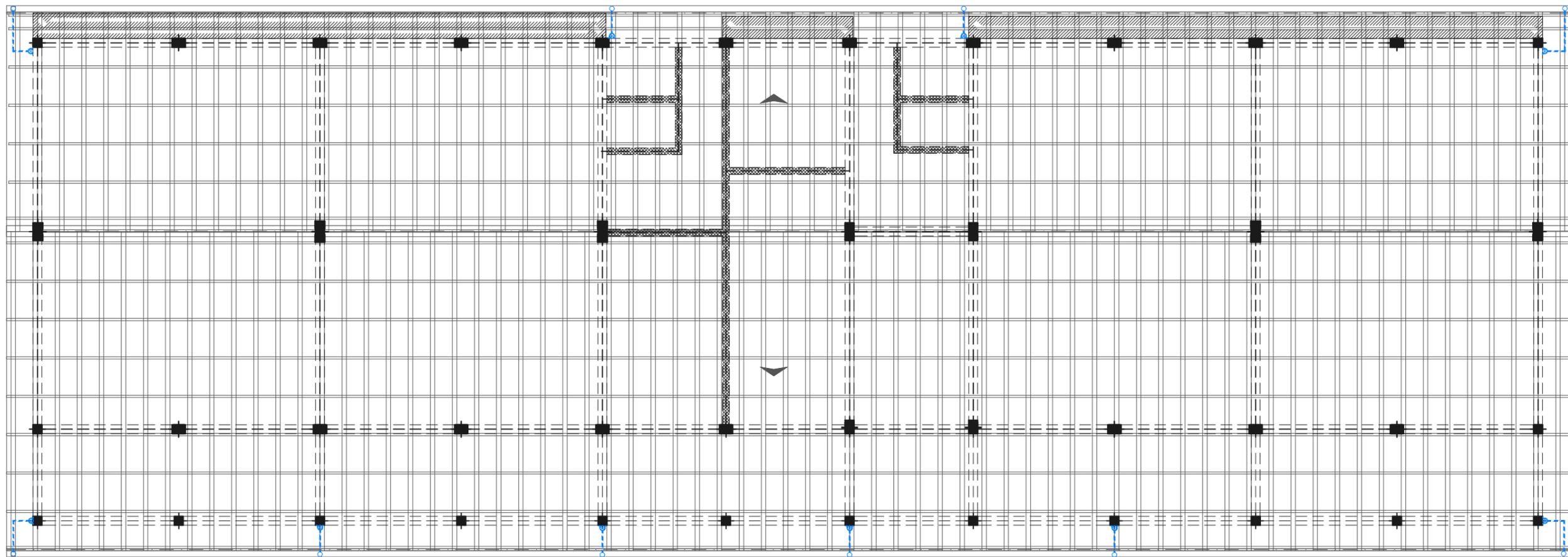
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Legend

→ 110Ø Rain Water Pipes (uPVC Pipe)



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ROOF DRAINAGE LAYOUT

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