

BUILDING SERVICES DRAWINGS OF  
PROPOSED 04 STOREY CLASSROOM BLOCK AT  
**HDH. KUMUNDHOO**

For Ministry Of Education

By Epoch Associates Pvt. Ltd



**EPOCH**

**T:** +960 333 3528 **E:** info@epoch.associates **W:** www.epoch.associates  
**A:** 3rd Floor, G. Rosary West, Husnuheena Magu, Male' Republic of Maldives

Legend

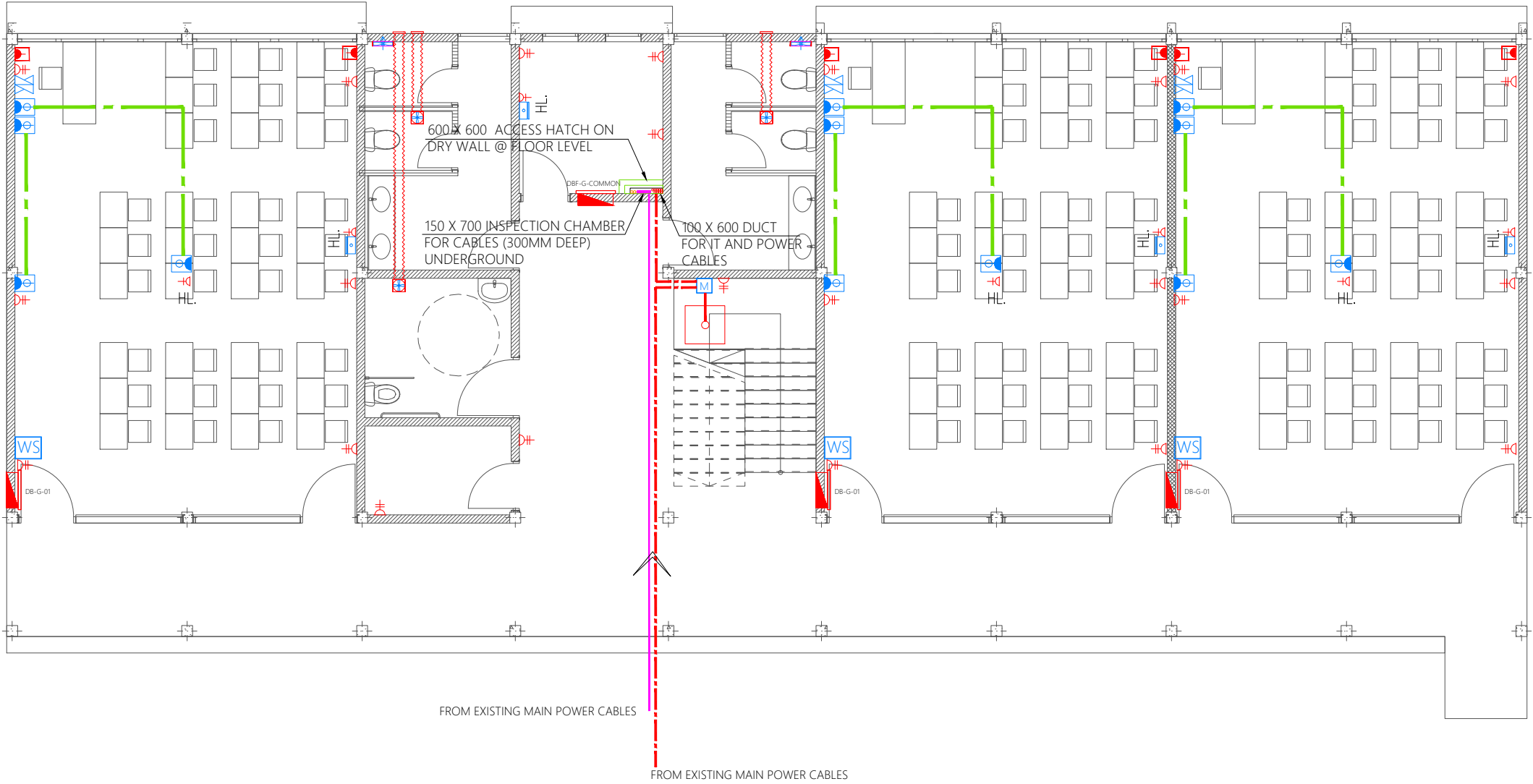
- 13A Twin Socket
- 13A Power Socket
- Distribution Board
- 15A Switched Socket @ H.L.
- HL. High Level
- Emergency Light
- WS Wall Mounted Speaker
- M Electricity Meter
- Computer Network Twin Outlet
- HDMI Socket

- 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 04 STOREY BUILDING AT  
**12 CLASSROOM  
BLOCK,  
HDH.  
KUMUNDHOO**  
Client:  
**Ministry Of Education**

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



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Legend

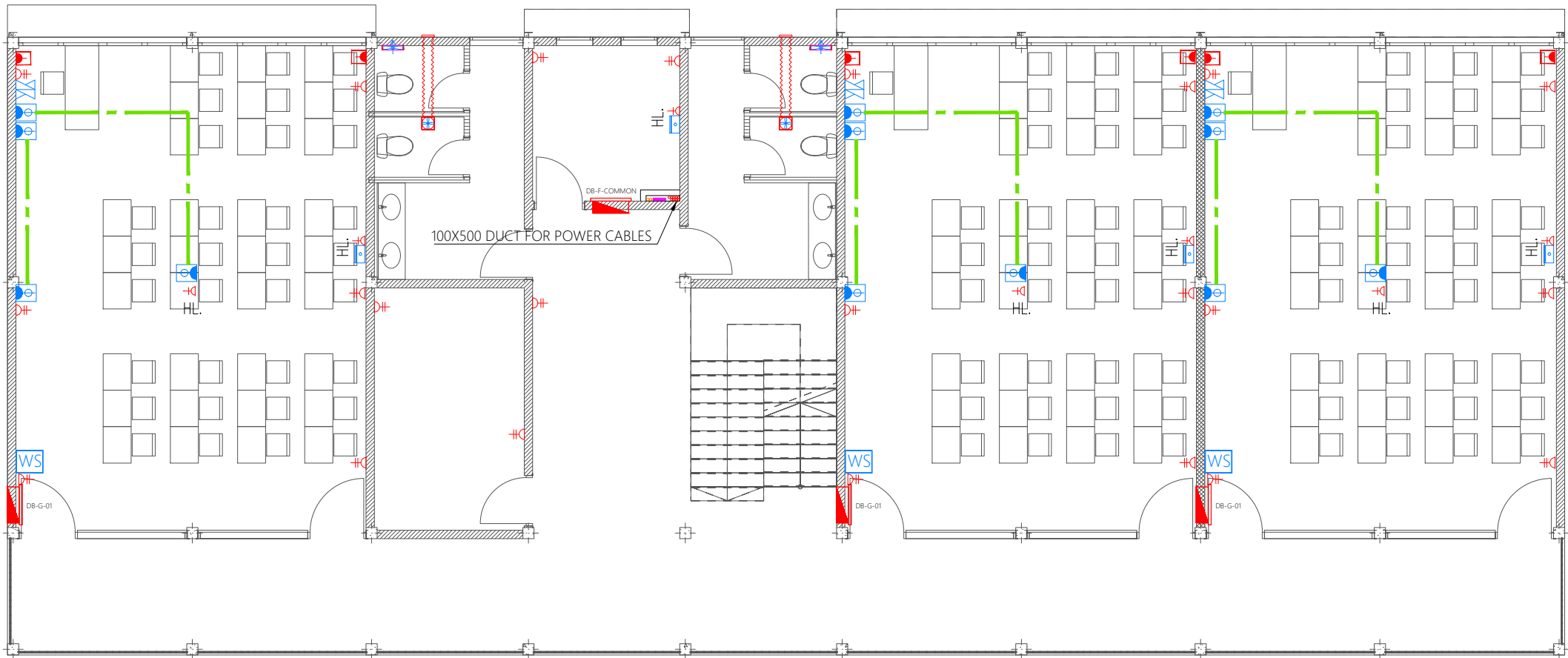
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FIRST TO THIRD FLOOR POWER AND ACV LAYOUT

1:100

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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
-  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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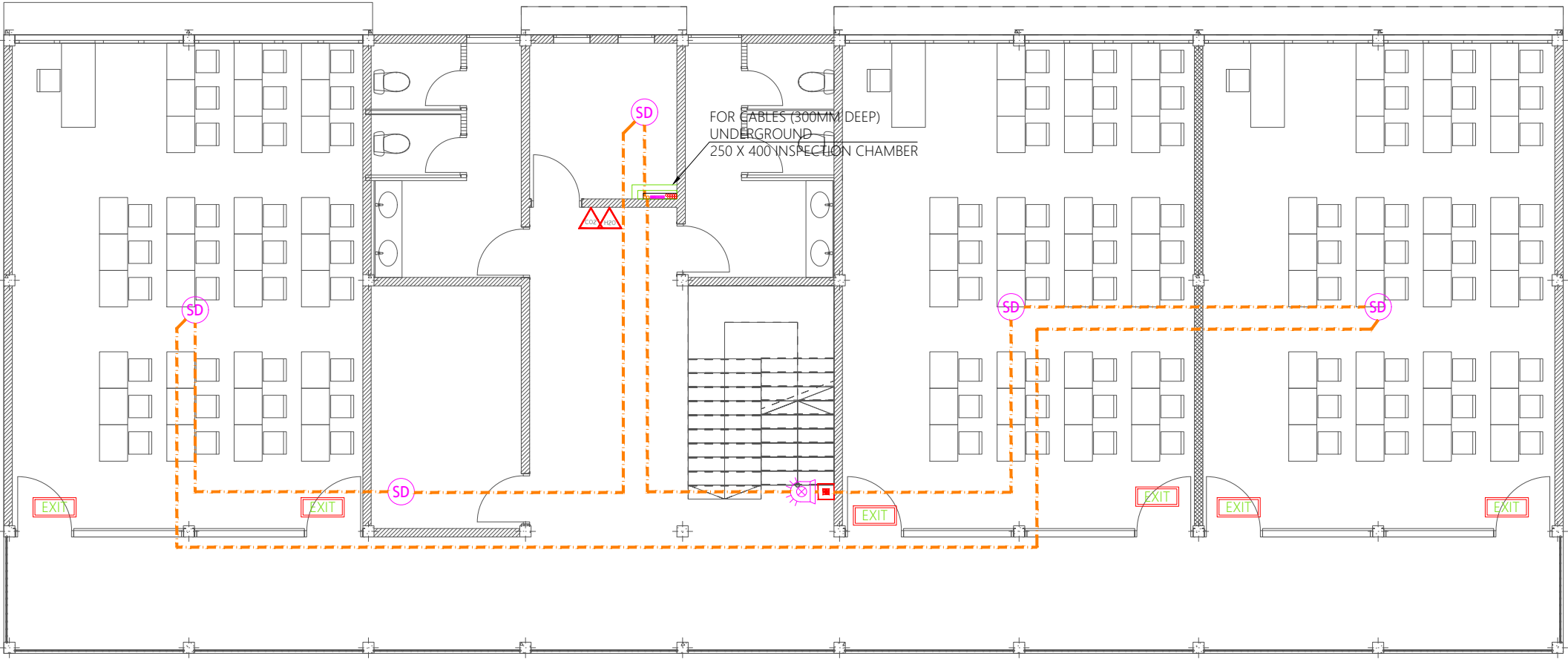
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Legend

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FIRST TO THIRD FLOOR FDP LAYOUT

1:100

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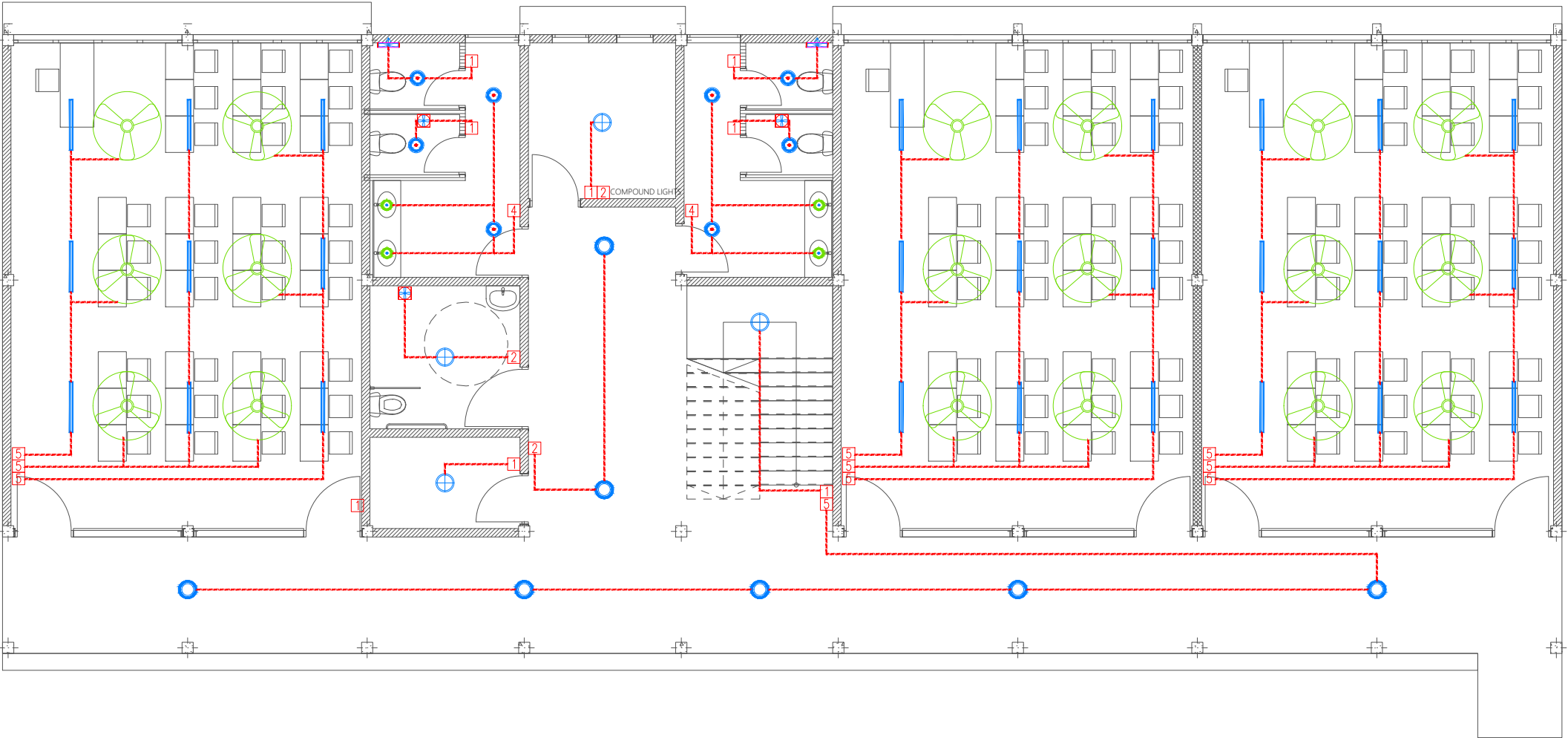
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Legend

-  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)
-  Ceiling Fan Switch With Controller
-  False Ceiling
-  42" To 48" Ceiling Fan



GROUND FLOOR LIGHTING LAYOUT

1:100

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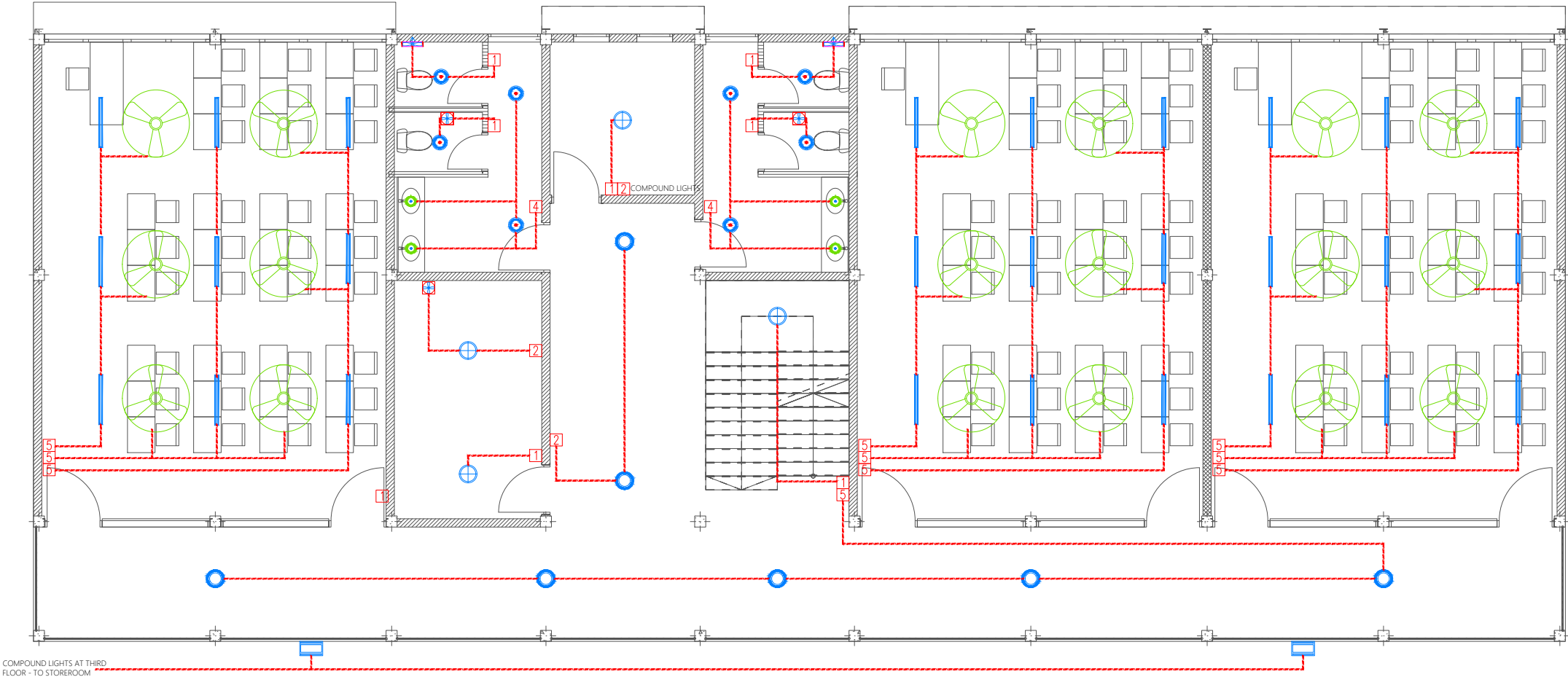
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FIRST TO THIRD FLOOR LIGHTING LAYOUT  
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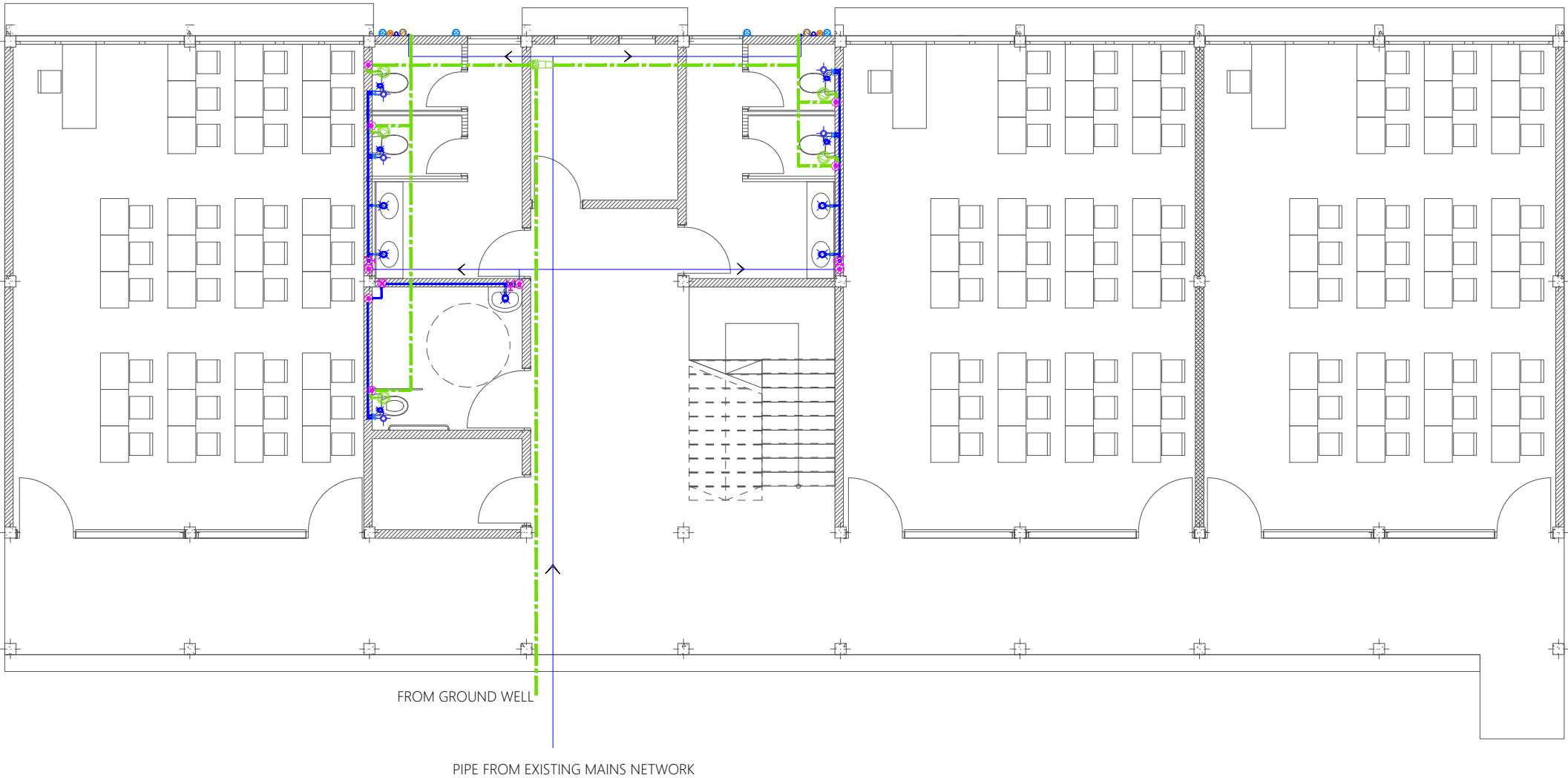
  
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Legend

- 16Ø Cold Water Supply To Basin Faucet
- 16Ø Cold Water Supply To Bidet Shower
- 16Ø Cold Water Supply To Cistern
- Gate Valve
- Rise In Wall
- Drop In Wall
- Angle Valve with cap for Ground Water Supply
- 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

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



GROUND FLOOR PLUMBING LAYOUT  
1:100

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Legend

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FIRST TO THIRD FLOOR PLUMBING LAYOUT  
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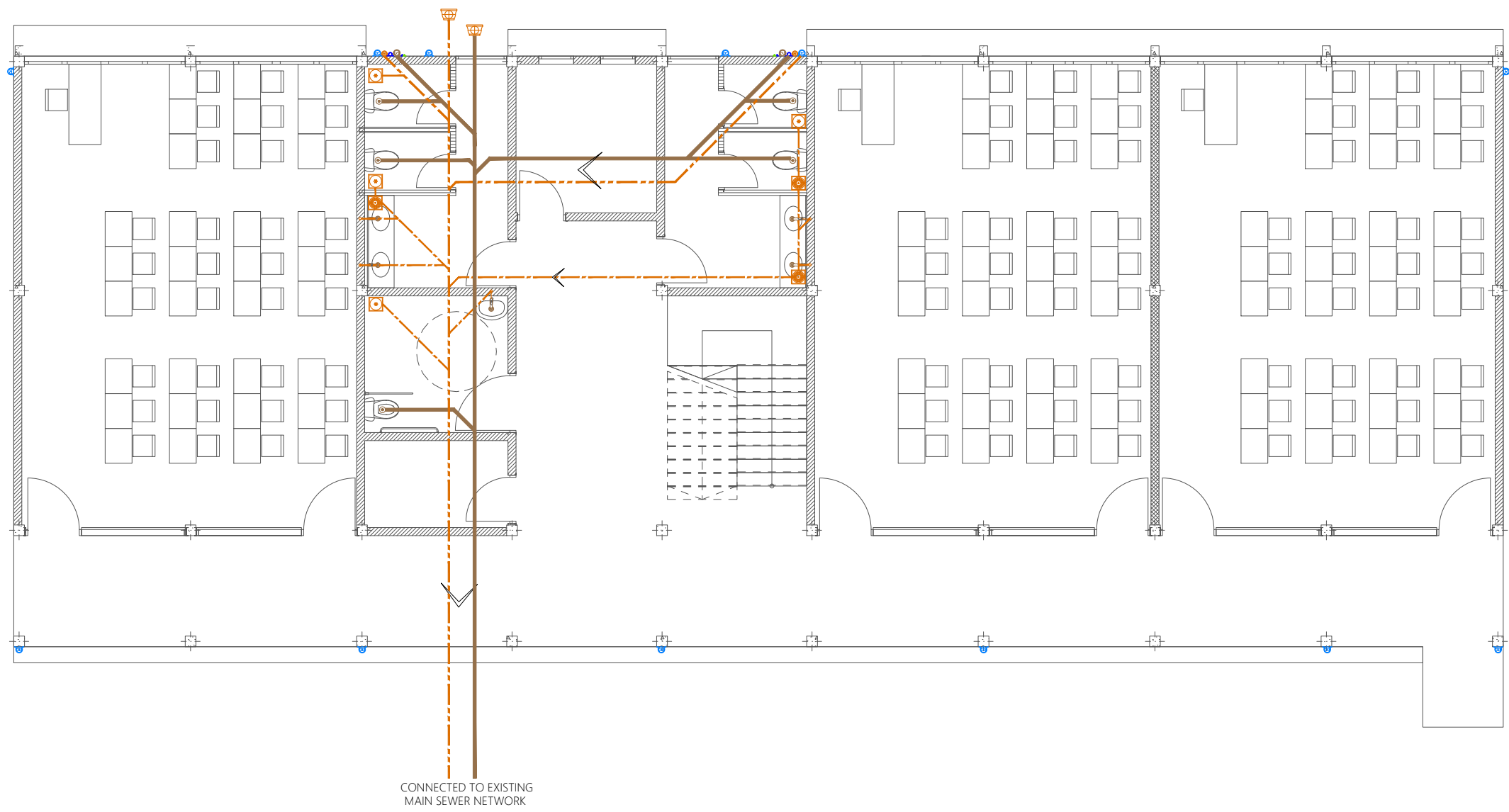
  
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- Legend
- Floor Drain
  - Floor Gully
  - 110Ø Soil Pipe (uPVC Pipe)
  - 110Ø Soil Vent Pipe (uPVC Pipe)
  - 82Ø Waste Pipe (uPVC Pipe)
  - 82Ø Waste Vent Pipe (uPVC Pipe)
  - 40Ø Waste Pipe (uPVC Pipe)
  - 63Ø Manhole Vent Pipe (uPVC Pipe)
  - 110Ø Rain Water Pipes (uPVC Pipe)
  - Clean Out Point
  - Bottle Trap

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)

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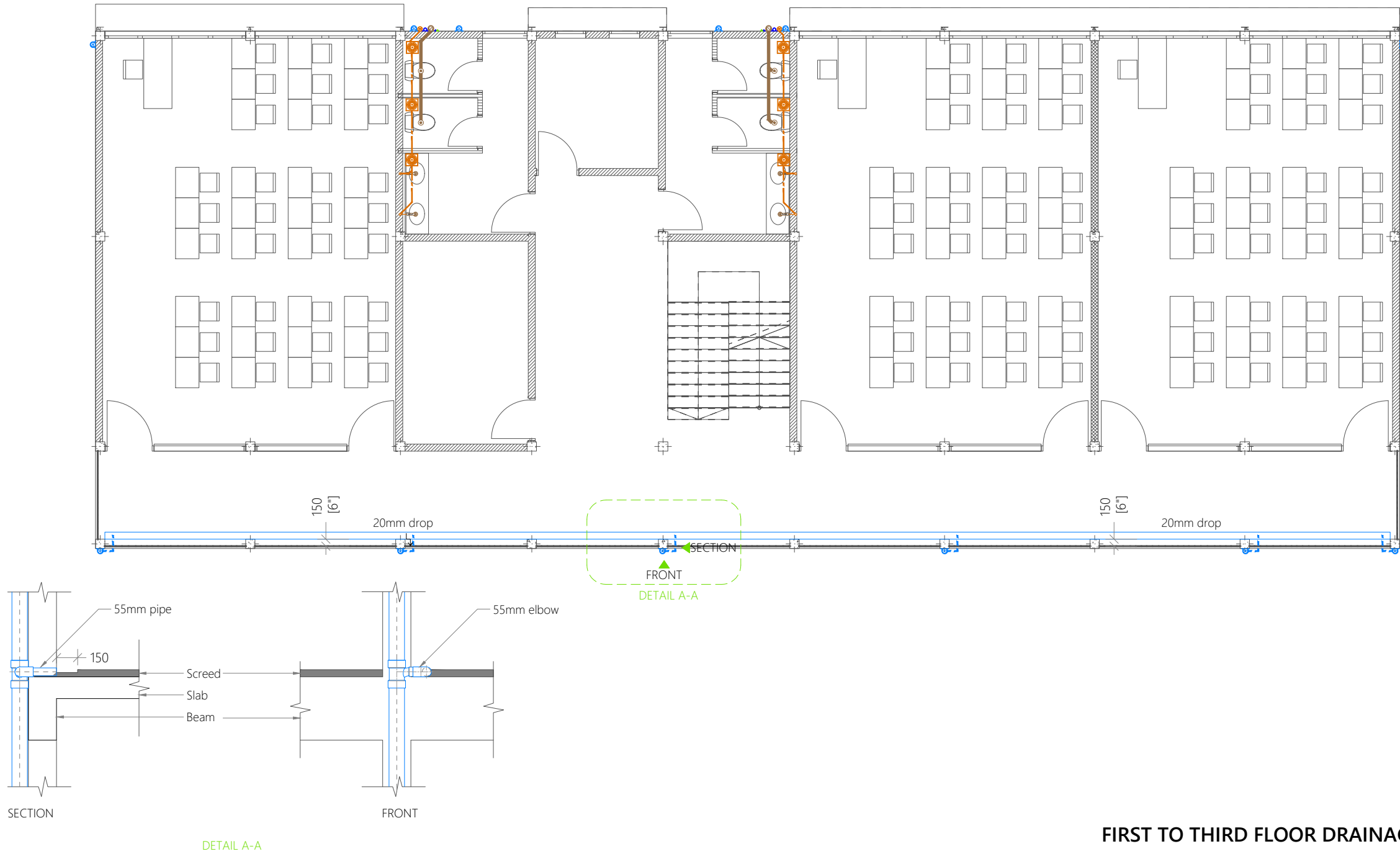
Clean Out Point

Bottle Trap

Notes: -

-All Drainage Pipes Should Have At A Slope Of 1/150

-All Floor Drains Should Have 'P' Traps



FIRST TO THIRD FLOOR DRAINAGE LAYOUT

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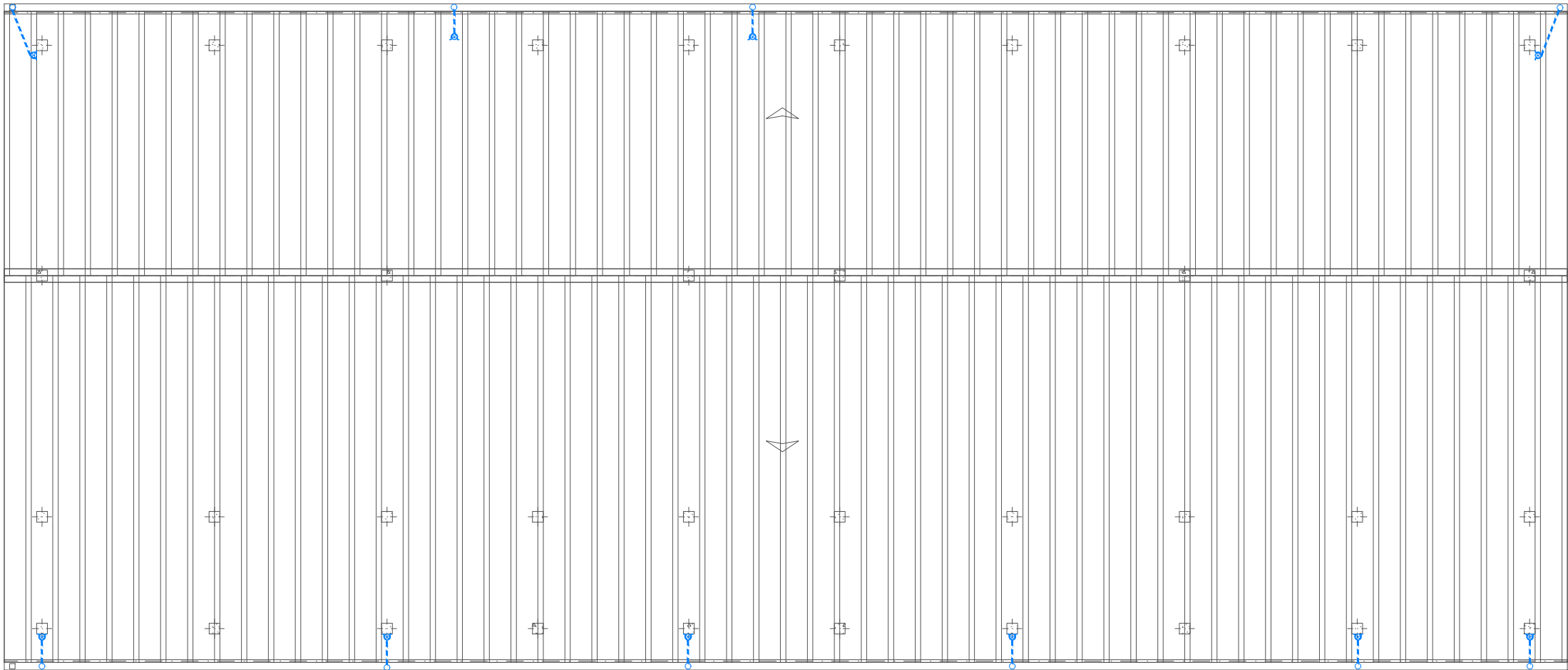
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Legend

110Ø Rain Water Pipes (uPVC Pipe)



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