

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

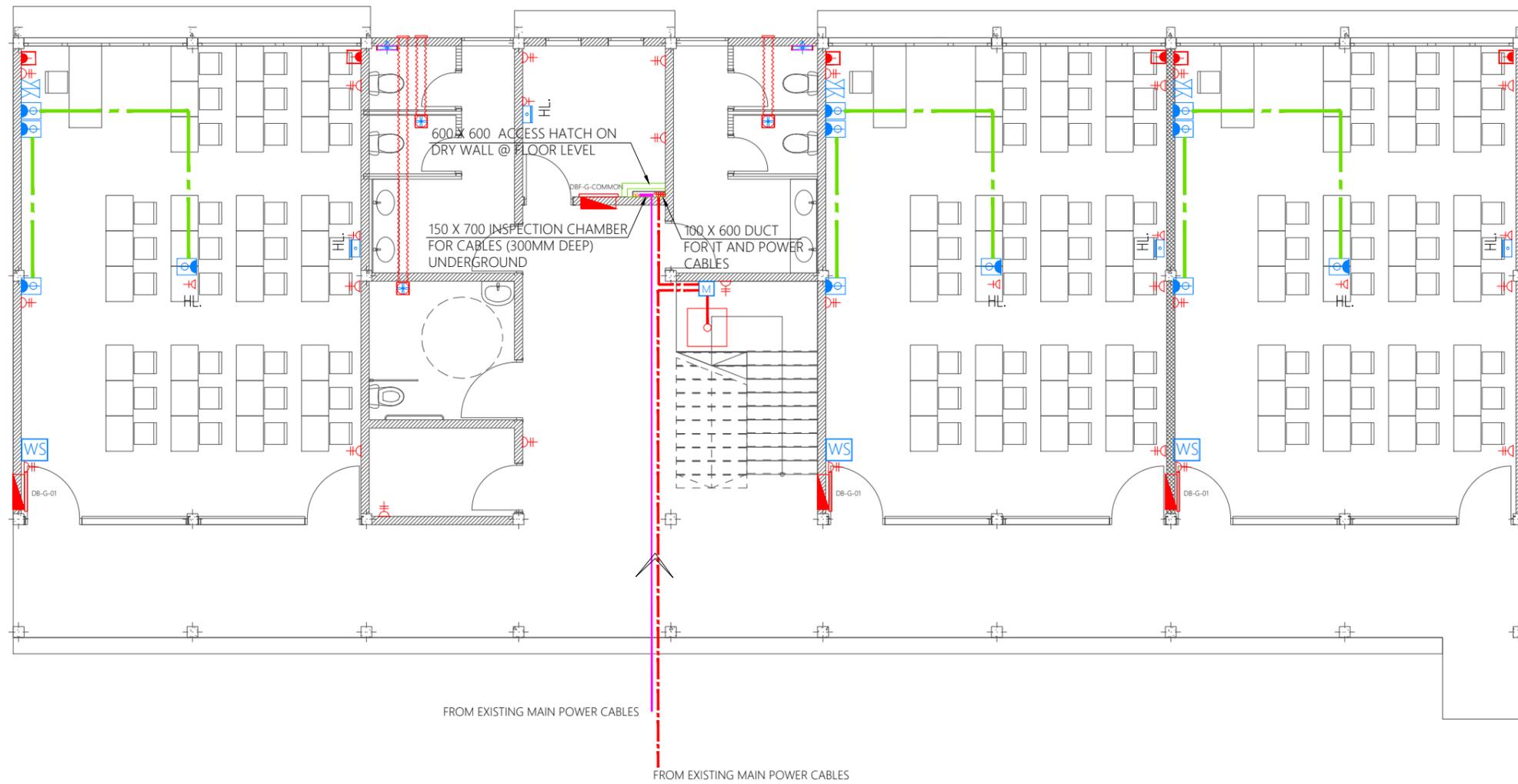
-  13A Twin Socket
-  13A Power Socket
-  Distribution Board
-  15A Switched Socket @ H.L.
- HL. High Level
-  Emergency Light
-  Wall Mounted Speaker
-  Electricity Meter
-  Computer Network Twin Outlet
-  HDMI Socket

-  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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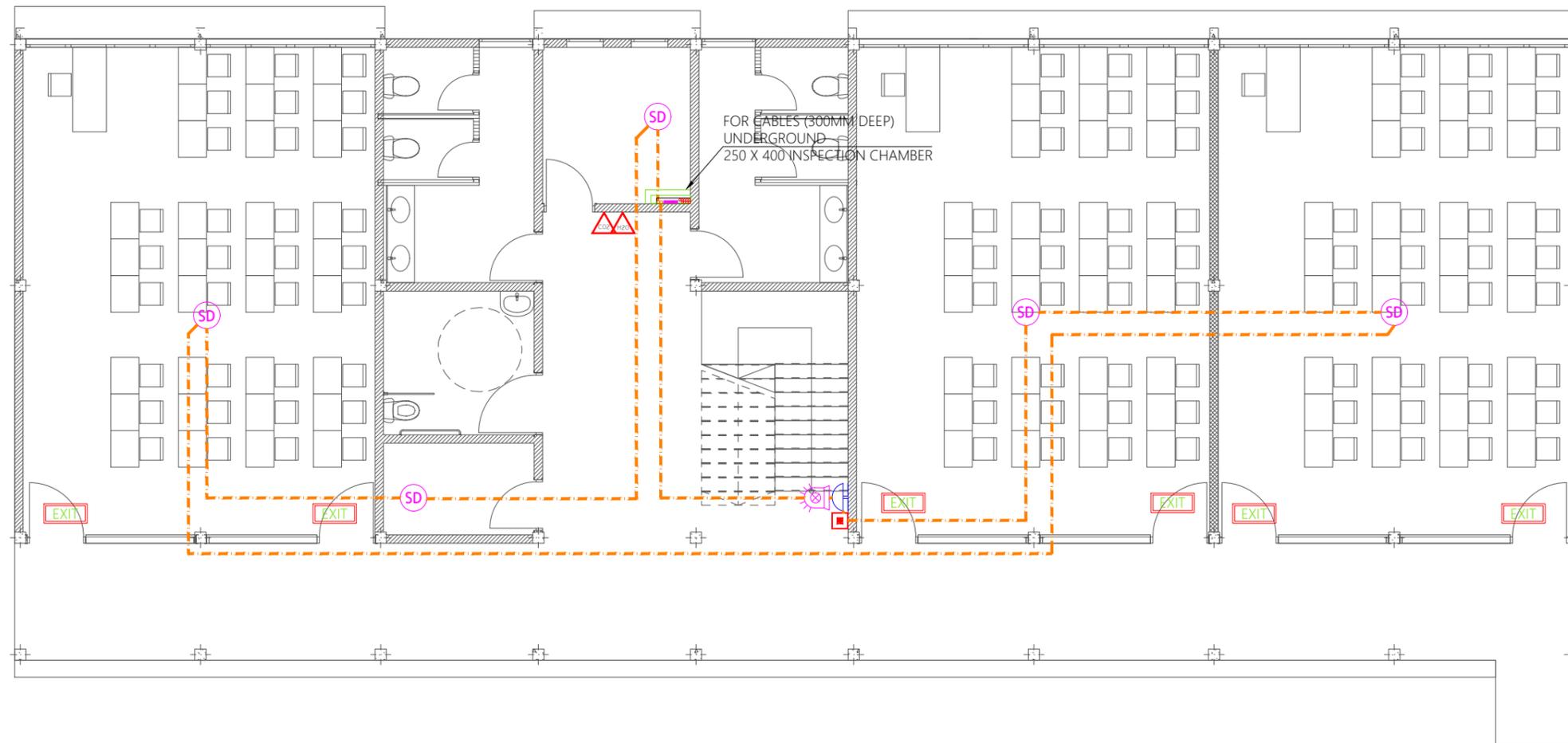
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FIRST TO THIRD FLOOR POWER AND ACV LAYOUT

1:100

Legend

-  CO₂ Extinguisher (load: 2kg) In Polycarbonate Enclosure
-  H₂O Extinguisher (load: 9L) In Polycarbonate Enclosure
-  Manual Call Point
-  Smoke Detector
-  Heat Detector
-  Beacon
-  Sounder Bell
-  2.5mm² Fire Retardant Low Smoke (FRLS) Cables In FRLS Conduits
-  Exit Sign
-  Fire Alarm Control Panel



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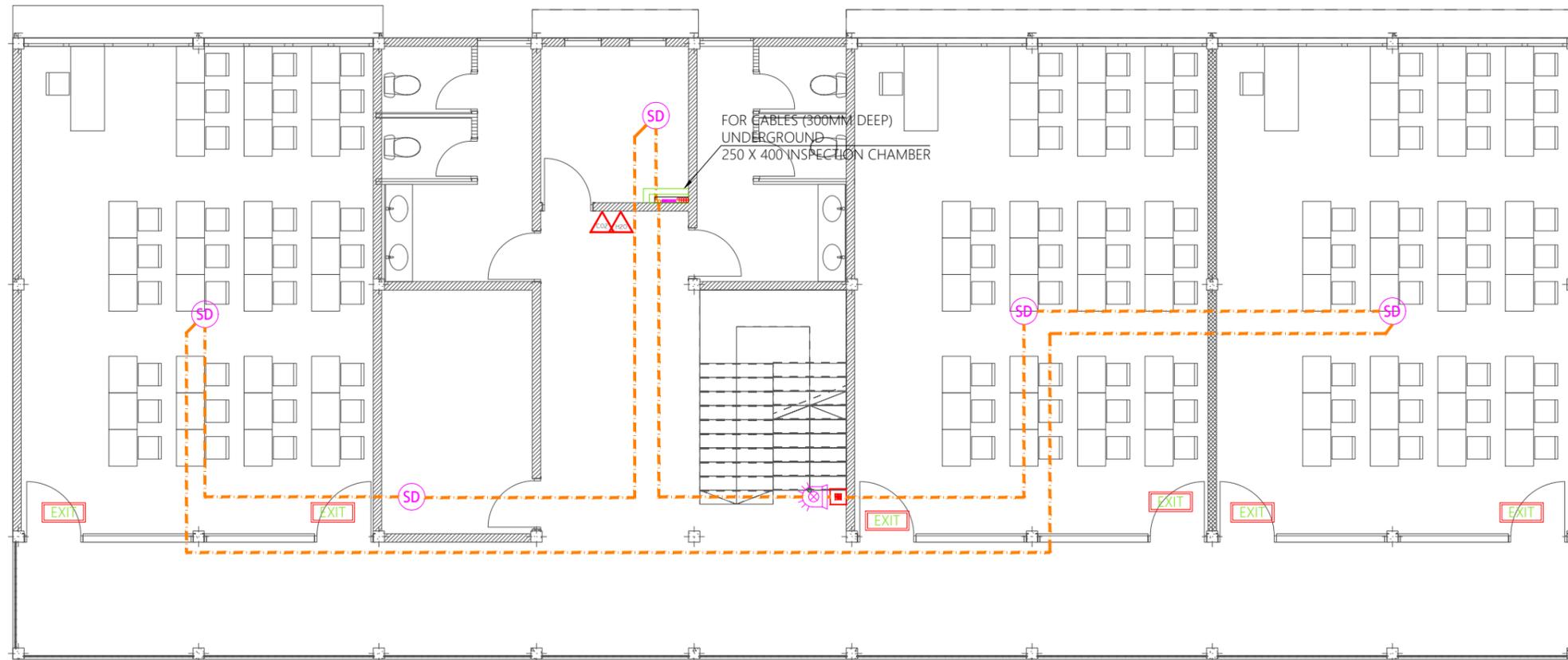
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GROUND FLOOR FDP LAYOUT

1:100

Legend

-  CO₂ Extinguisher (load: 2kg) In Polycarbonate Enclosure
-  H₂O Extinguisher (load: 9L) In Polycarbonate Enclosure
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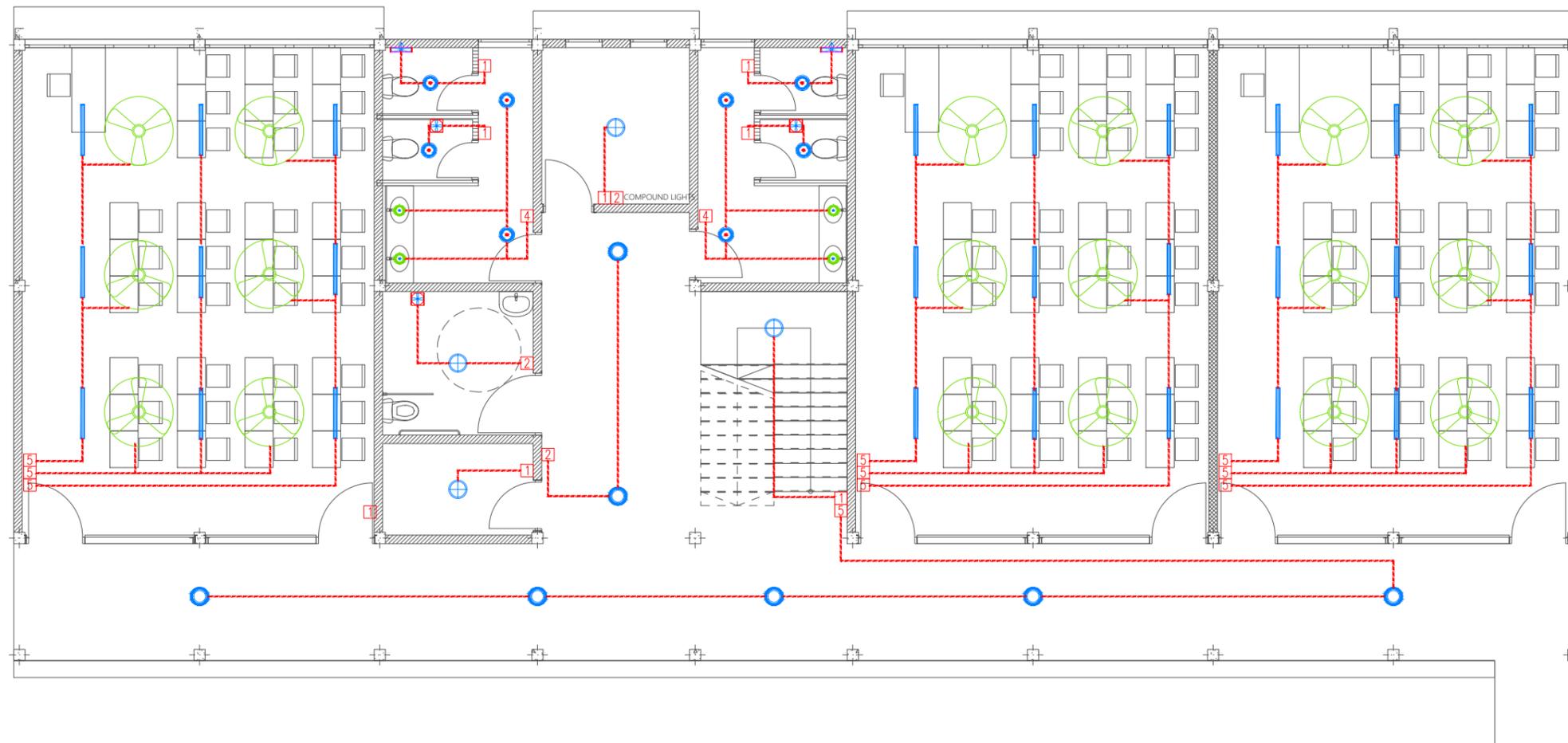
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FIRST TO THIRD FLOOR FDP LAYOUT

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



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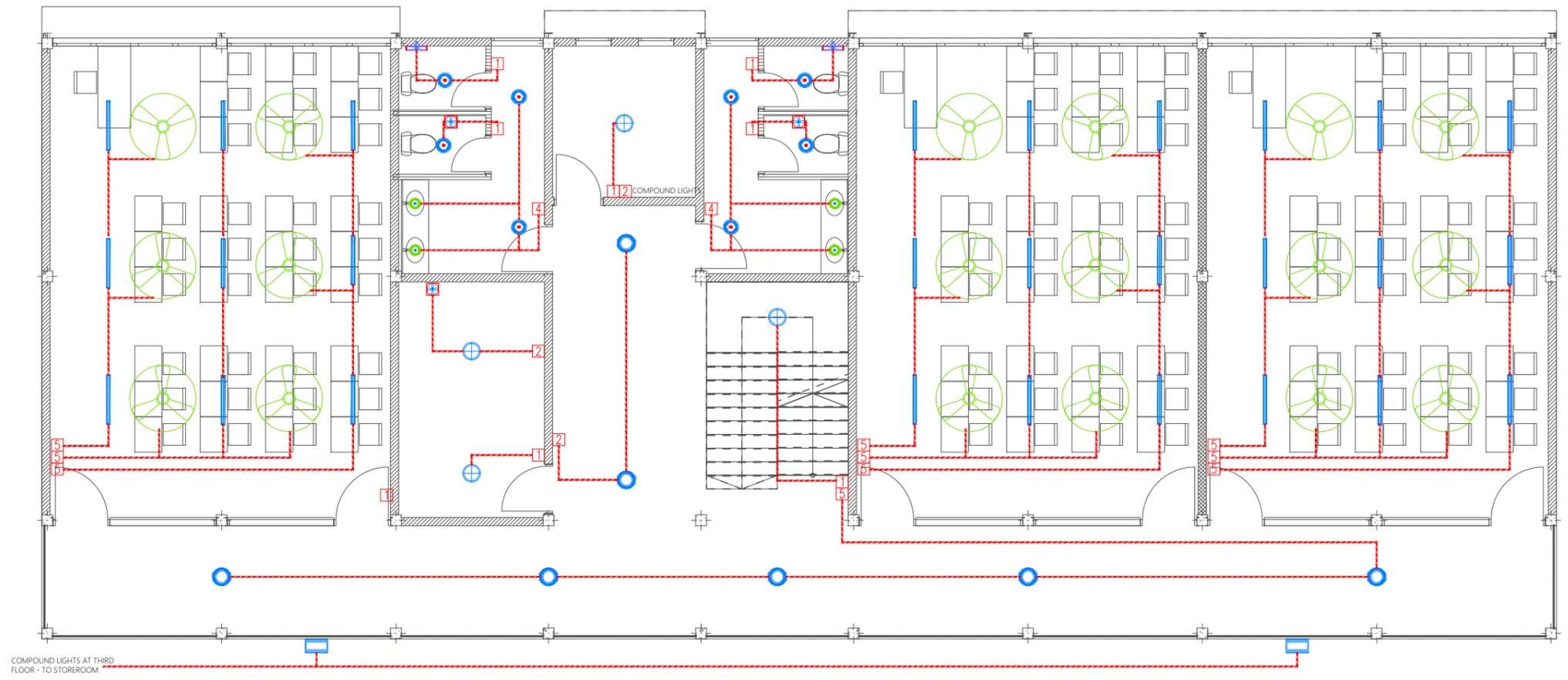
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GROUND FLOOR LIGHTING LAYOUT

1:100

Legend

-  Ceiling Light (18W)
-  Ceiling Light (12W)
-  Recessed Ceiling Light (12W)
-  Ceiling Down Light (18W) - Weather Proof
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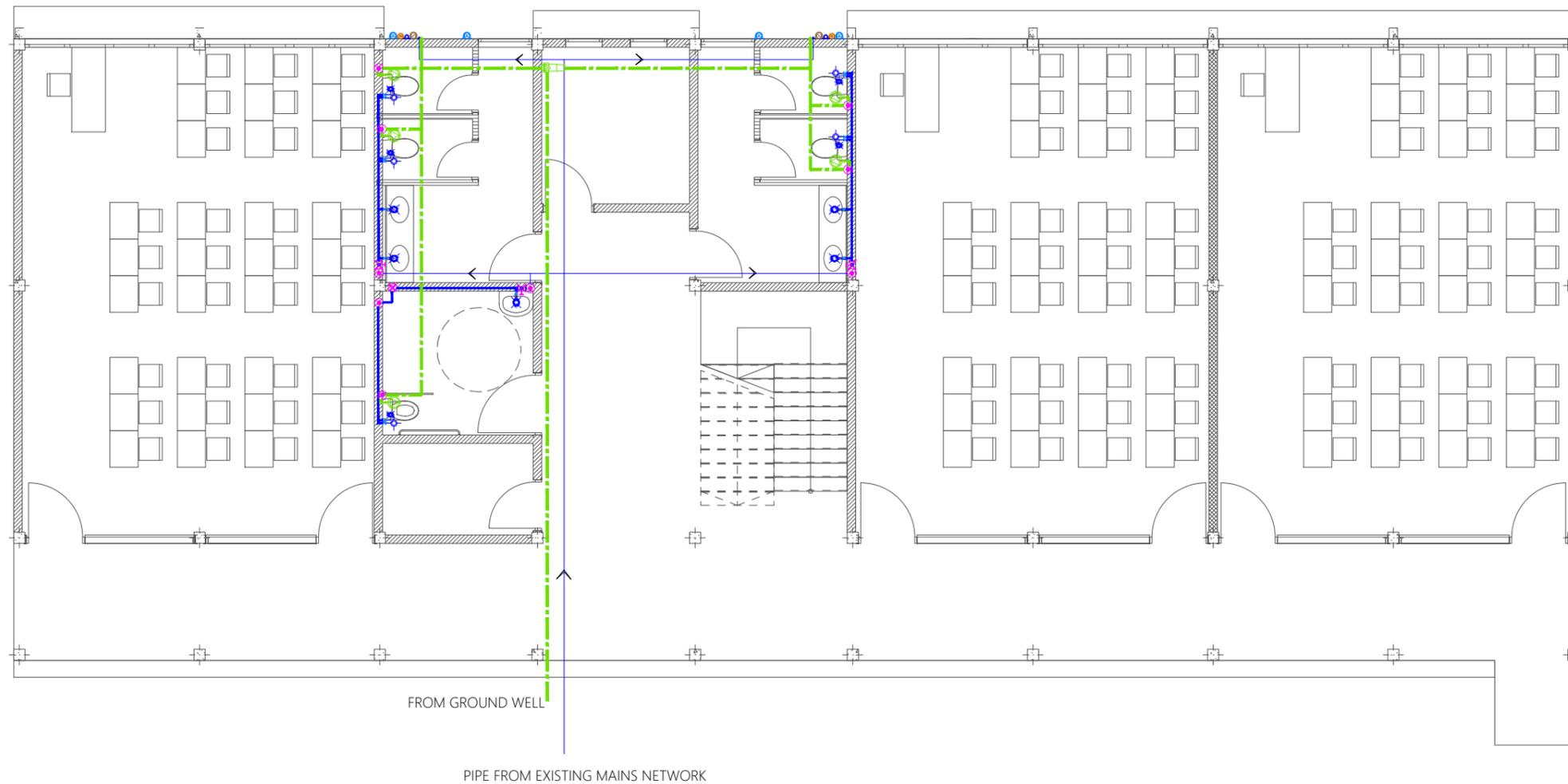
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Legend

-  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



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GROUND FLOOR PLUMBING LAYOUT

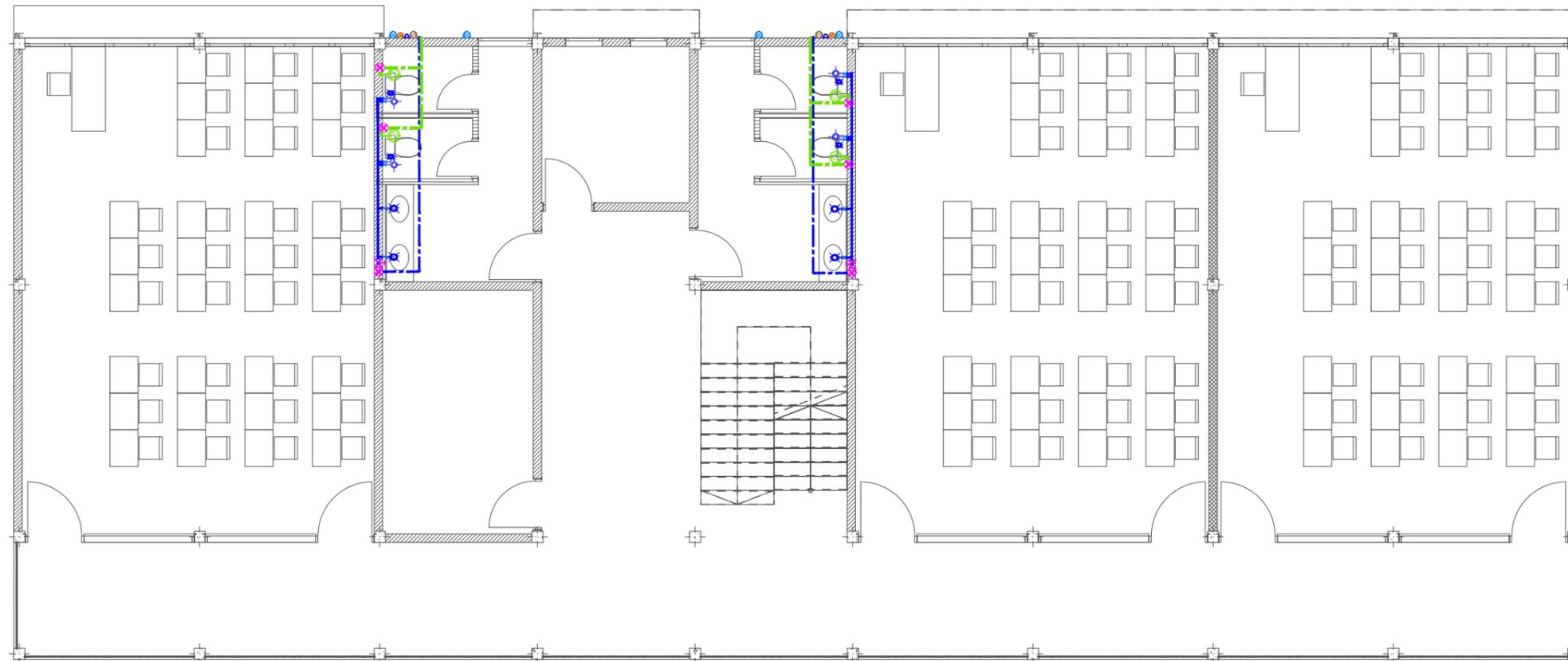
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Legend

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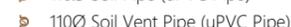
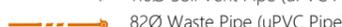
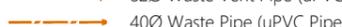
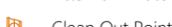
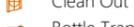
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FIRST TO THIRD FLOOR PLUMBING LAYOUT

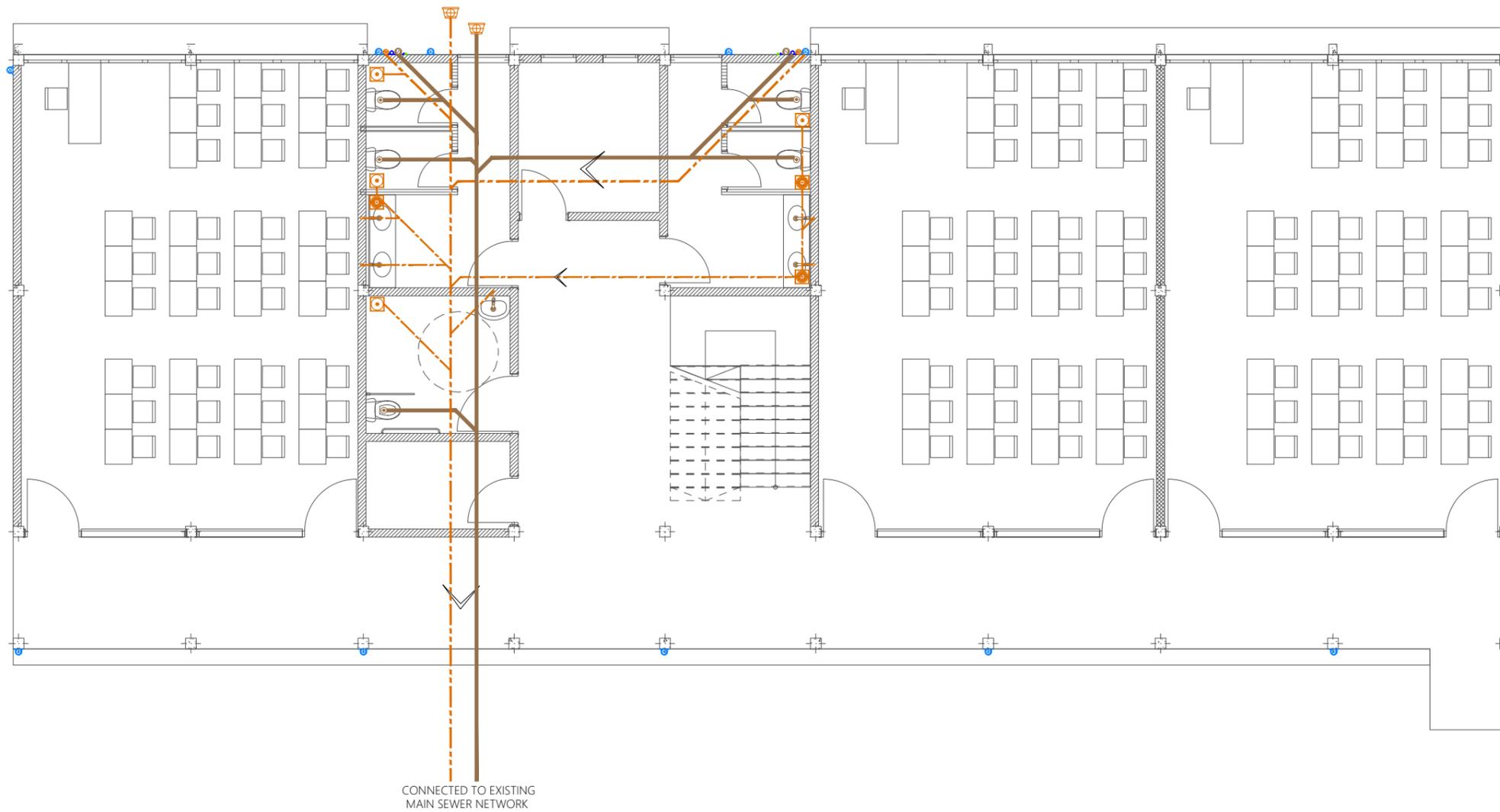
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Legend

-  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)
-  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

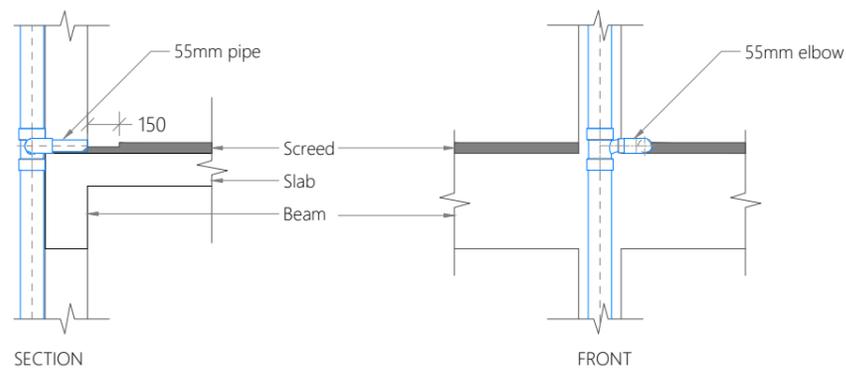
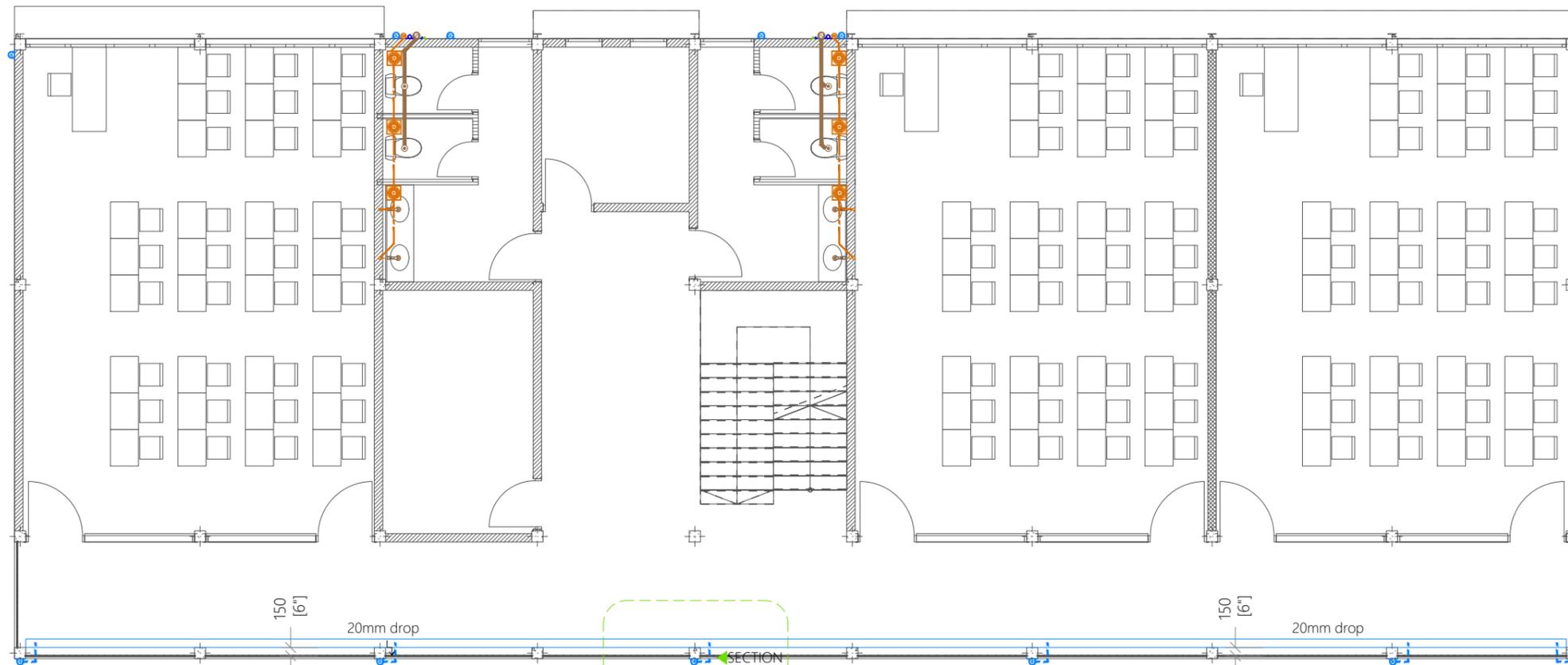
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Legend

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DETAIL A-A

FIRST TO THIRD FLOOR DRAINAGE LAYOUT

1:100

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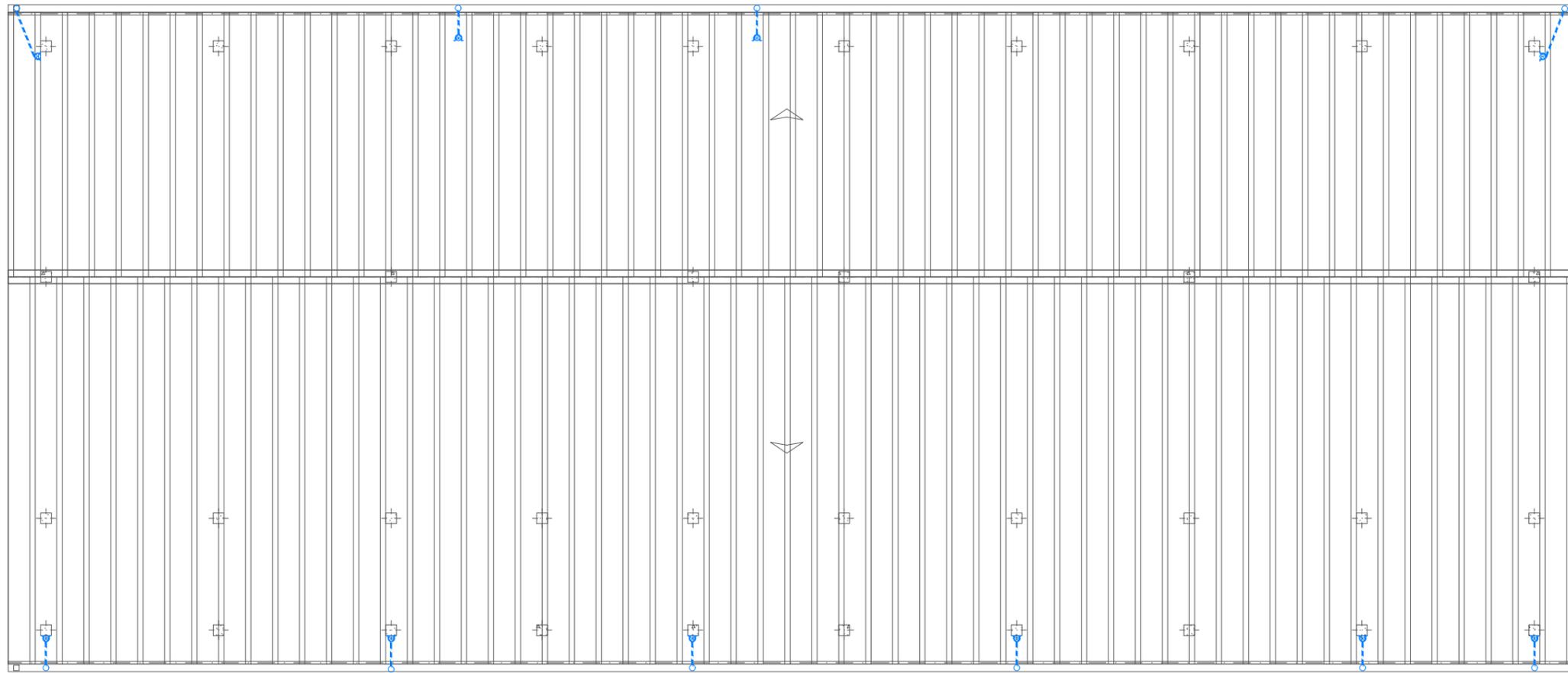


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Legend

---> 110Ø Rain Water Pipes (uPVC Pipe)



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ROOF DRAINAGE LAYOUT

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