

BUILDING SERVICES DRAWINGS OF
PROPOSED 03 STOREY BUILDING
R. HULHUDHUFFARU 12 CLASSROOM BLOCK
For Ministry Of Education

By Epoch Associates Pvt. Ltd



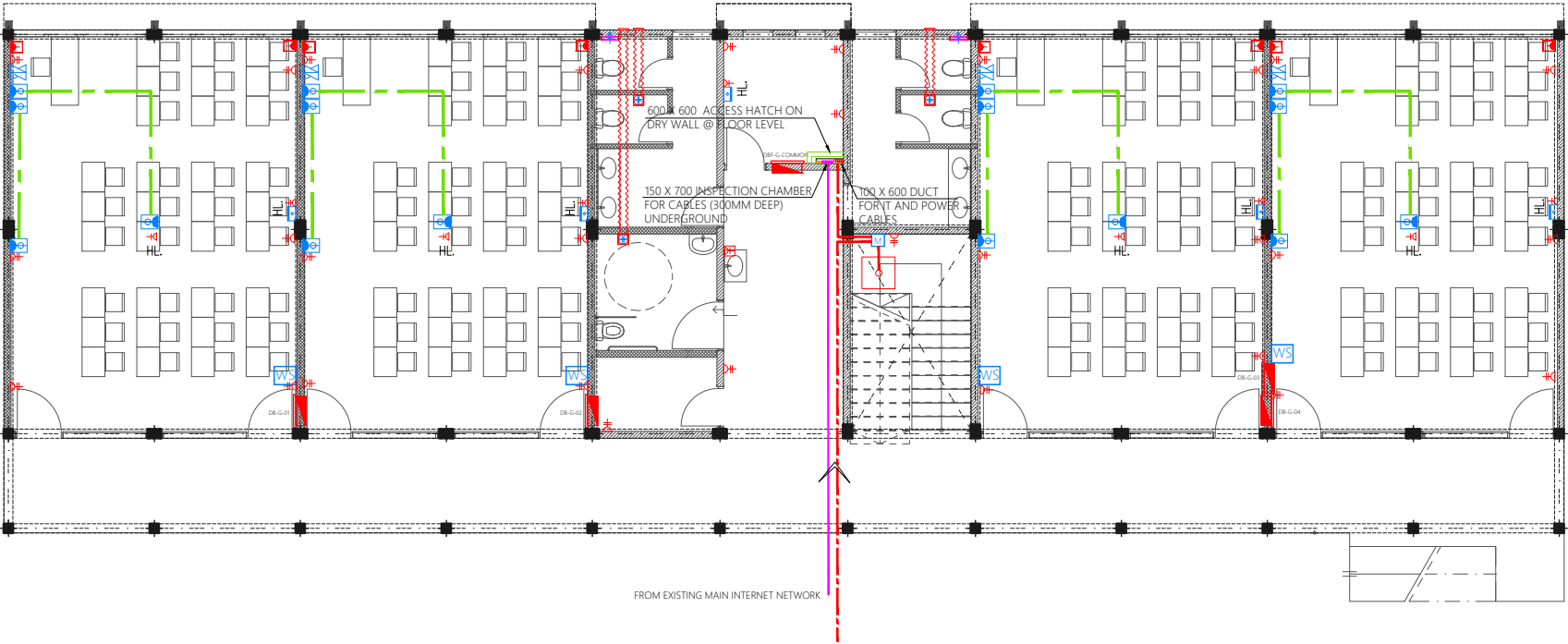
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A: 3rd Floor, G.Rosary West, Husnuheena Magu, Male' Republic of Maldives

Legend

- 13A Twin Socket
- 13A Power Socket
- 13A Power Socket in Weatherproof Polycarbonate Enclosure
- 15A Switched Socket @ H.L.
- Distribution Board
- HL.
- Emergency Light
- WS
- Internet Switchboard
- M
- Computer Network Twin Outlet
- HDMI Socket
- Ceiling Mounted Exhaust Fan 90m3/hr
- Wall Mounted Exhaust Fan
- Main Incoming Cable For Power PVC Duct Below Ground
- 82Ø PVC Duct For Internet Cables Lead In 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



GROUND FLOOR POWER AND ACV LAYOUT
1:150

PROPOSED 03 STOREY BUILDING
**R. Hulhudhuffaru, 3
Storey 12 Classroom
Block**

Client:
Ministry Of Education

April 2021

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

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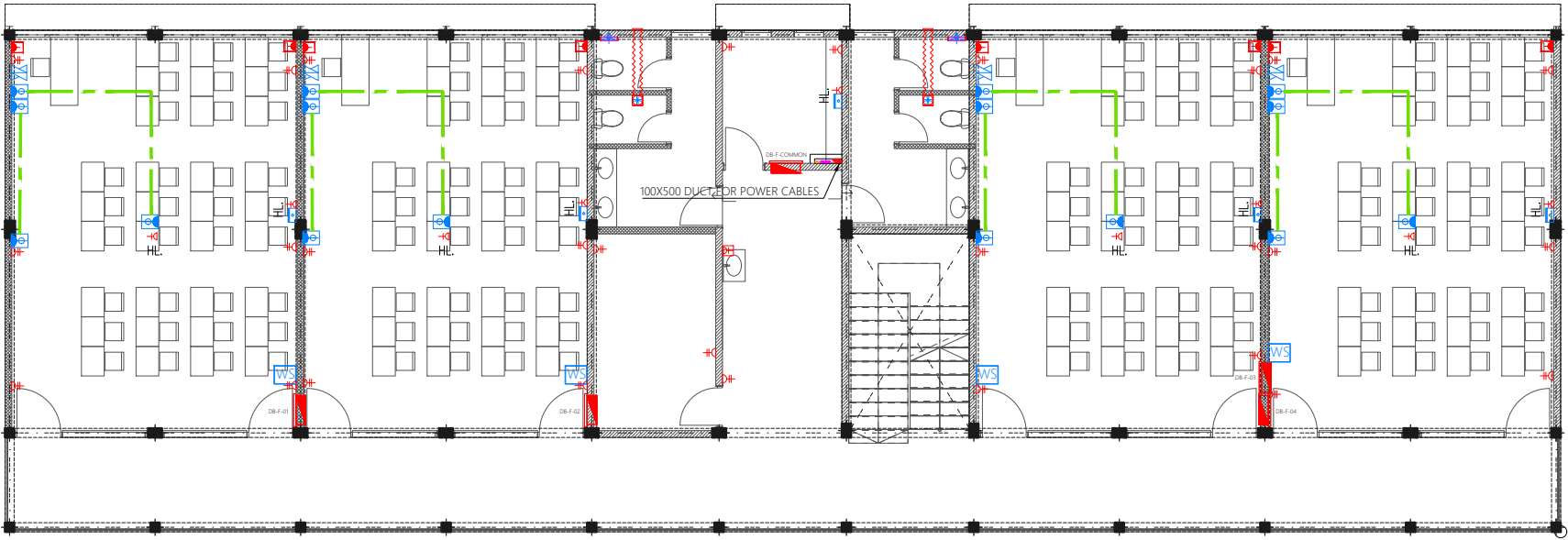
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Legend

- 13A Twin Socket
- 13A Power Socket
- 13A Power Socket in Weatherproof Polycarbonate Enclosure
- 15A Switched Socket @ H.L.
- Distribution Board
- HL. High Level
- Emergency Light
- WS Wall Mounted Speaker
- ISB Internet Switchboard
- M Electricity Meter
- Computer Network Twin Outlet
- HDMI Socket
- Ceiling Mounted Exhaust Fan 90m3/hr
- Wall Mounted Exhaust Fan
- Main Incoming Cable For Power PVC Duct Below Ground
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FIRST FLOOR POWER AND ACV LAYOUT
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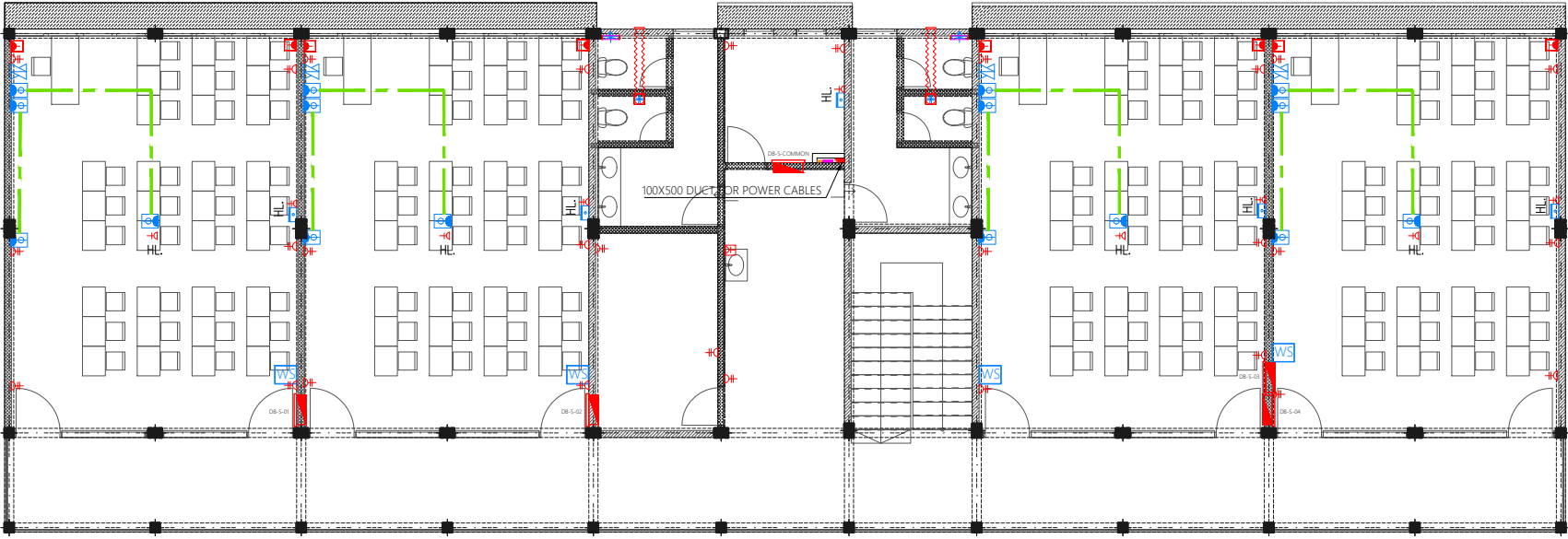
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Legend

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- 13A Power Socket
- 13A Power Socket in Weatherproof Polycarbonate Enclosure
- 15A Switched Socket @ H.L.
- Distribution Board
- HL High Level
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SECOND FLOOR POWER AND ACV LAYOUT
1:150

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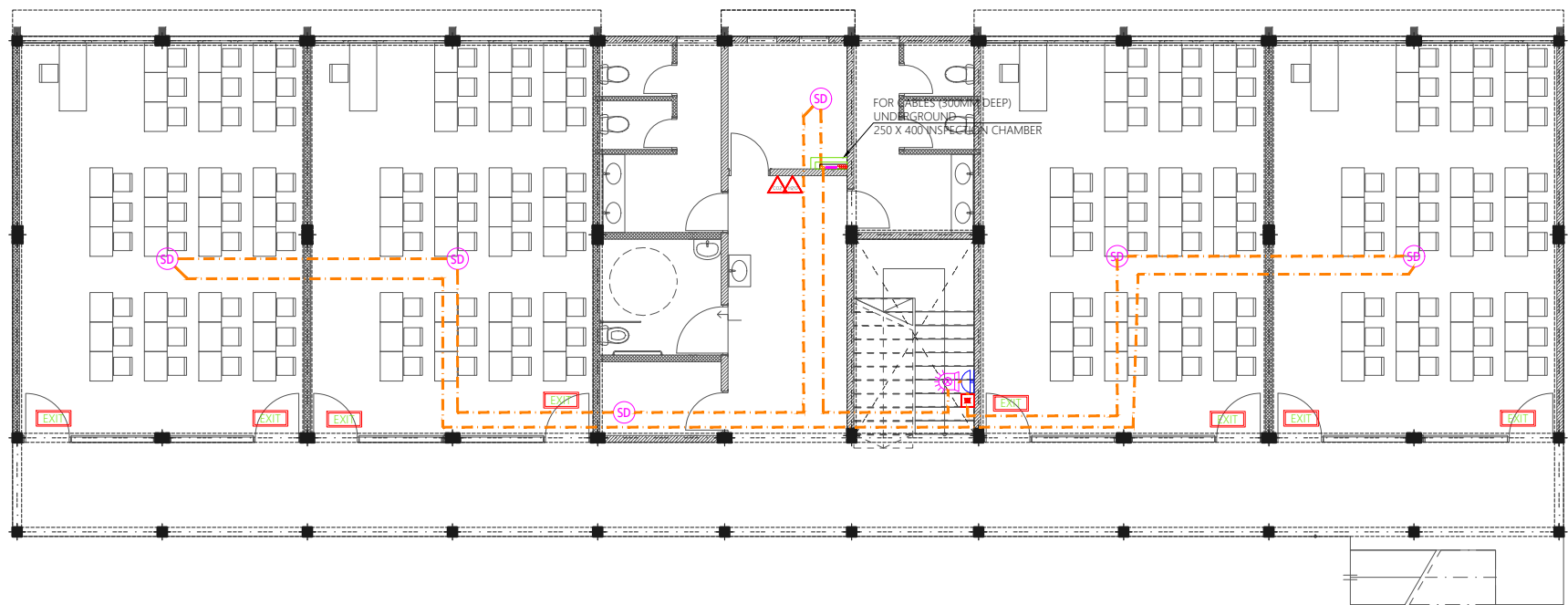
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Legend

-  CO₂ Extinguisher (load: 2kg) In Polycarbonate Enclosure
-  H₂O Extinguisher (load: 9L) In Polycarbonate Enclosure
-  Manual Call Point (At 1200mm from F.F.L.)
-  Smoke Detector
-  Beacon
-  Sounder Bell
-  2.5mm² Fire Retardant Low Smoke (FRLS) Cables In FRLS Conduits
-  Fire Alarm Control Panel
-  Exit Sign



GROUND FLOOR FDP LAYOUT
1:150

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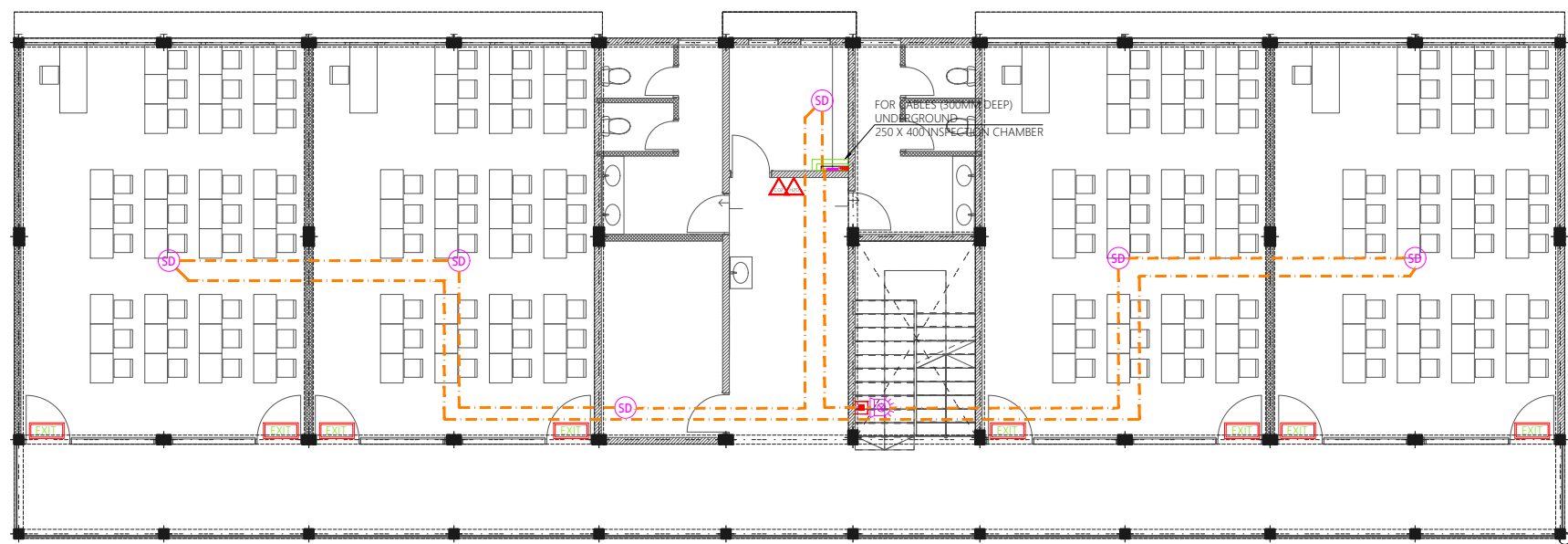
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Legend

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-  H₂O Extinguisher (load: 9L) In Polycarbonate Enclosure
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-  Fire Alarm Control Panel
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FIRST FLOOR FDP LAYOUT
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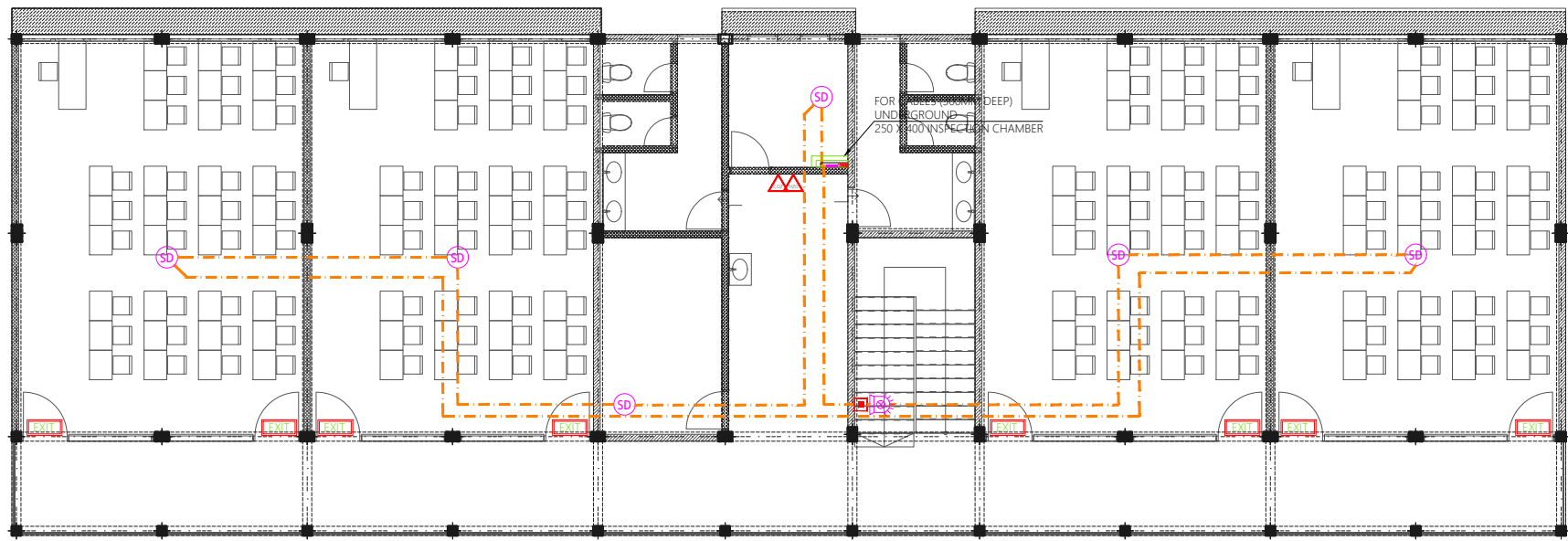
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SECOND FLOOR FDP LAYOUT
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



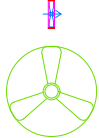
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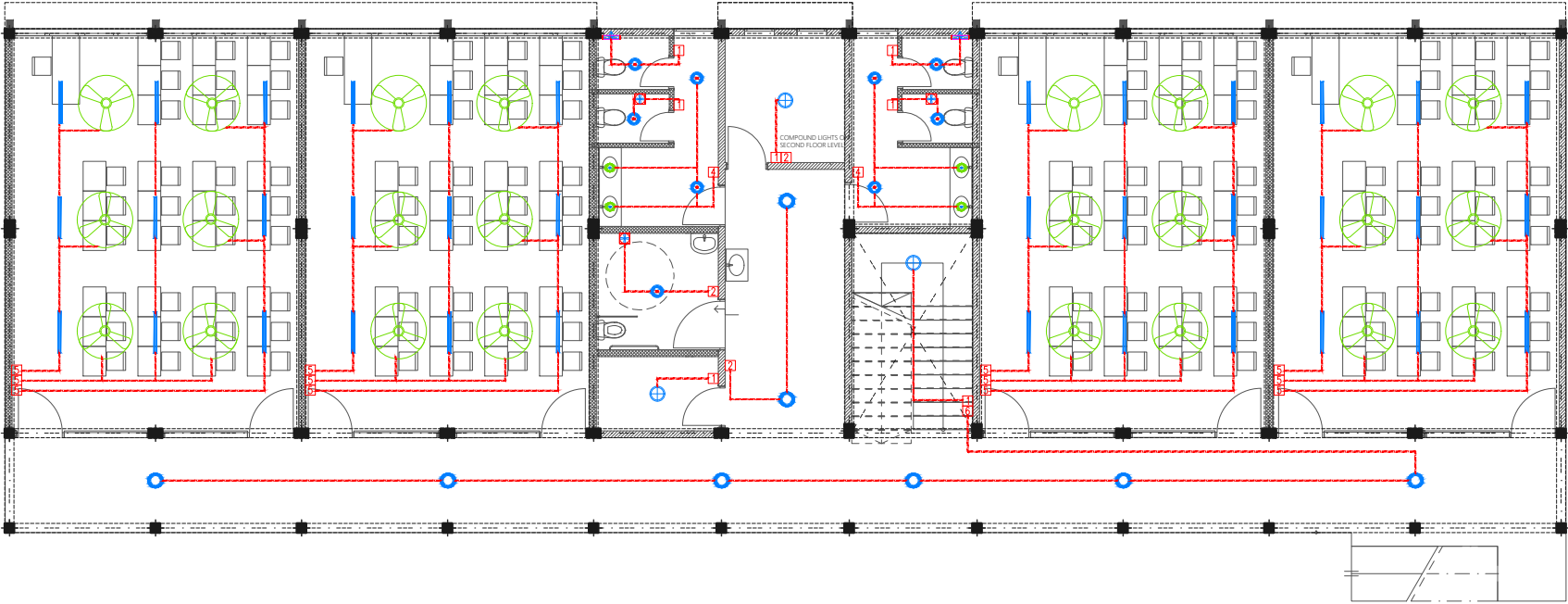
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Legend

-  Ceiling Recessed Spot Light (3W)
-  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
-  Light and Fan 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
1:150

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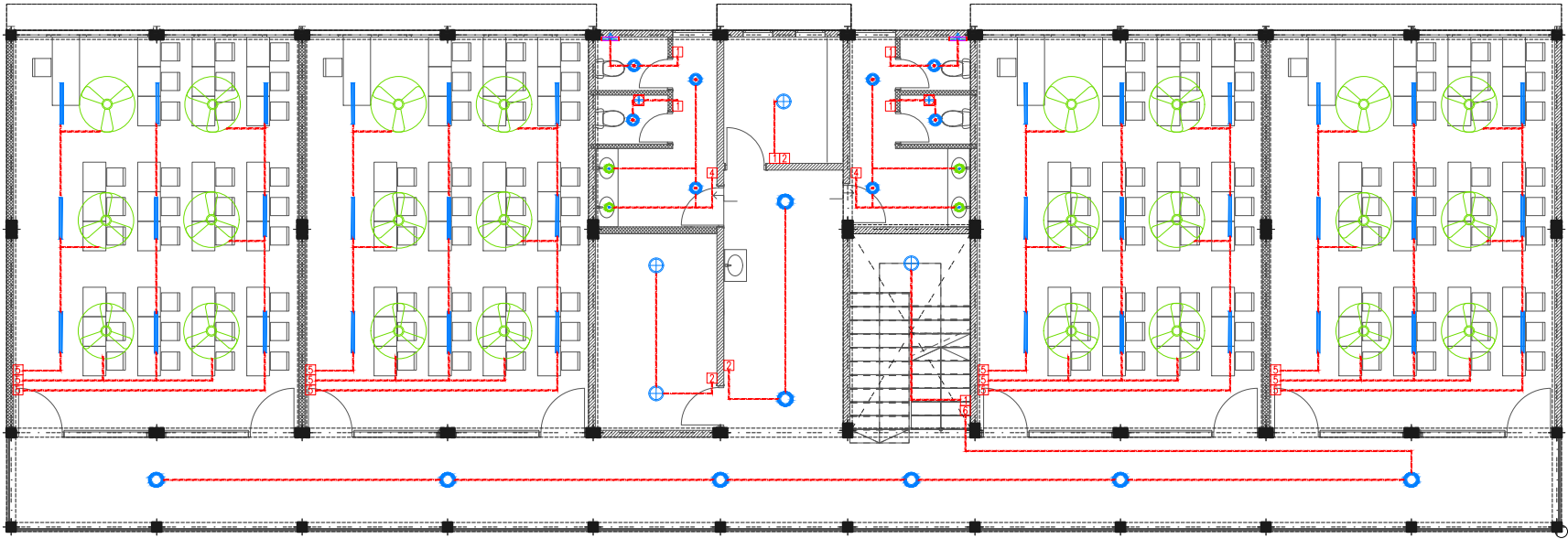

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Legend

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-  Ceiling Light (12W)
-  Recessed Ceiling Light (12W)
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-  3 Ft Led Tube Light
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FIRST FLOOR LIGHTING LAYOUT

1:150

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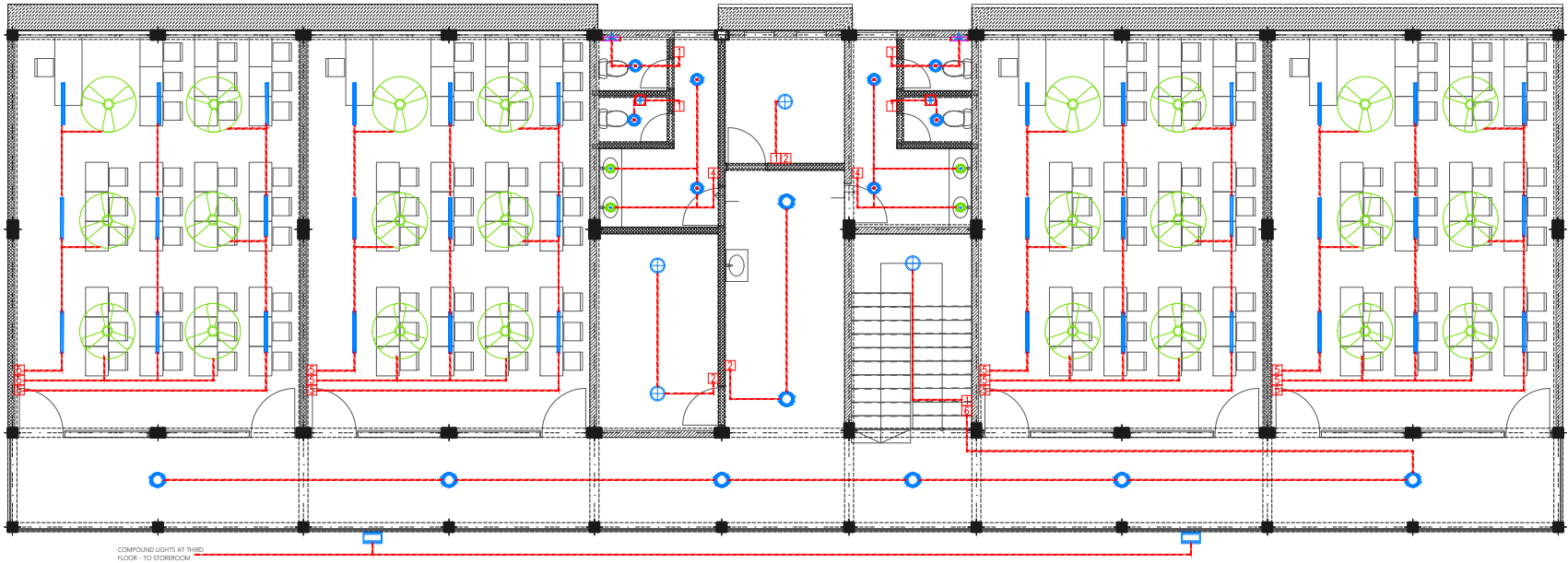
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Legend

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-  Ceiling Light (12W)
-  Recessed Ceiling Light (12W)
-  Ceiling Down Light (18W) - Weather Proof
-  3 Ft Led Tube Light
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SECOND FLOOR LIGHTING LAYOUT
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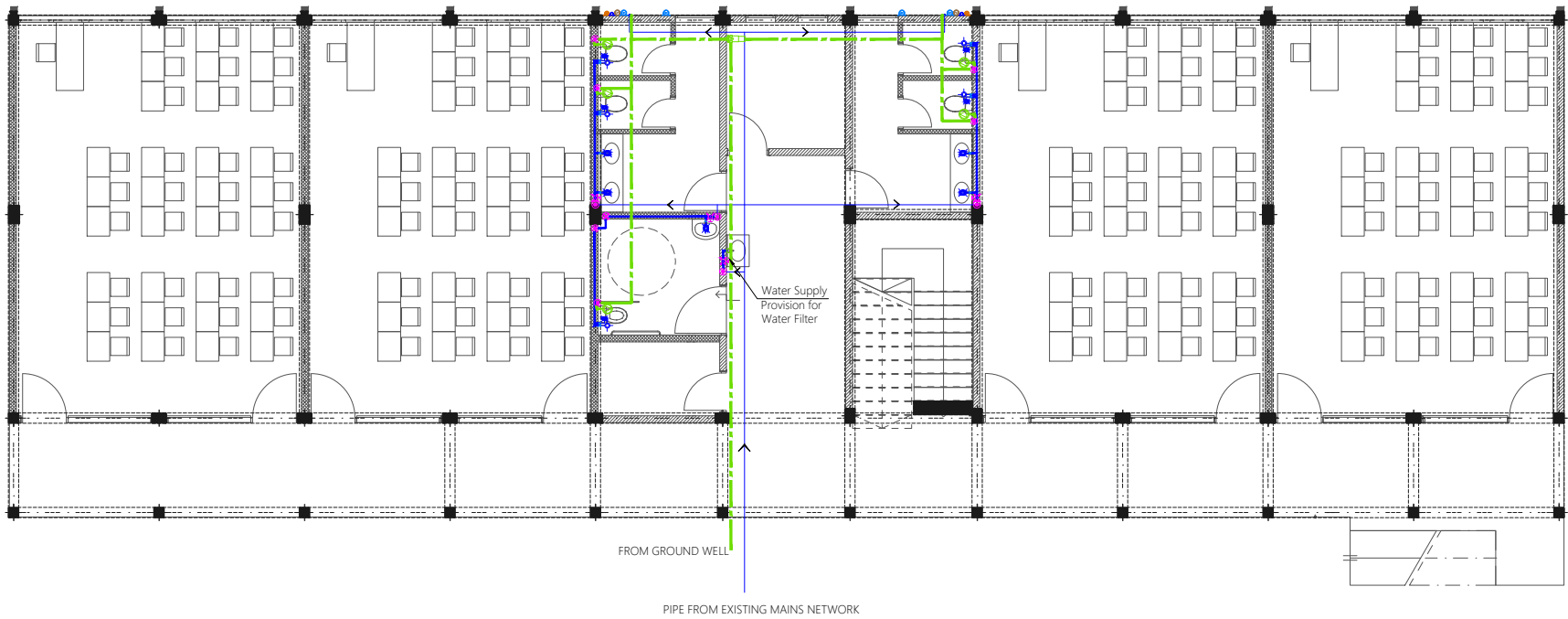
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Legend

- 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
- All Hot Water Pipes Should Be PPR



GROUND FLOOR PLUMBING LAYOUT

1:150

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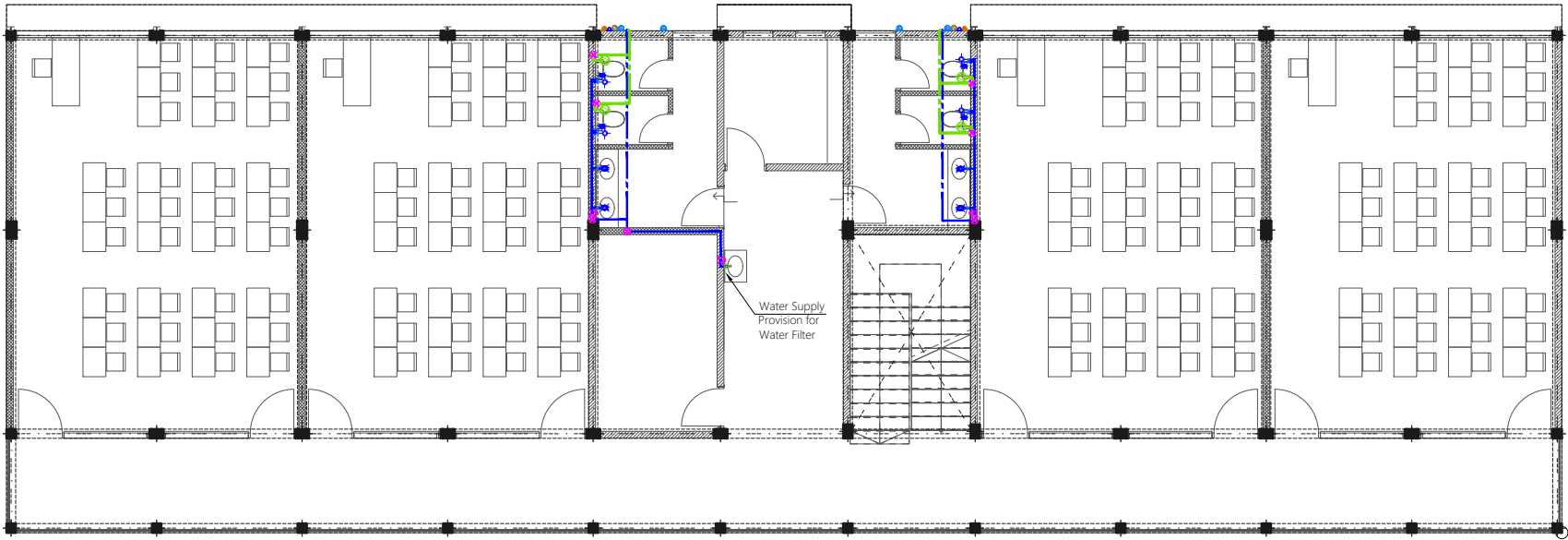
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FIRST FLOOR PLUMBING LAYOUT
1:150

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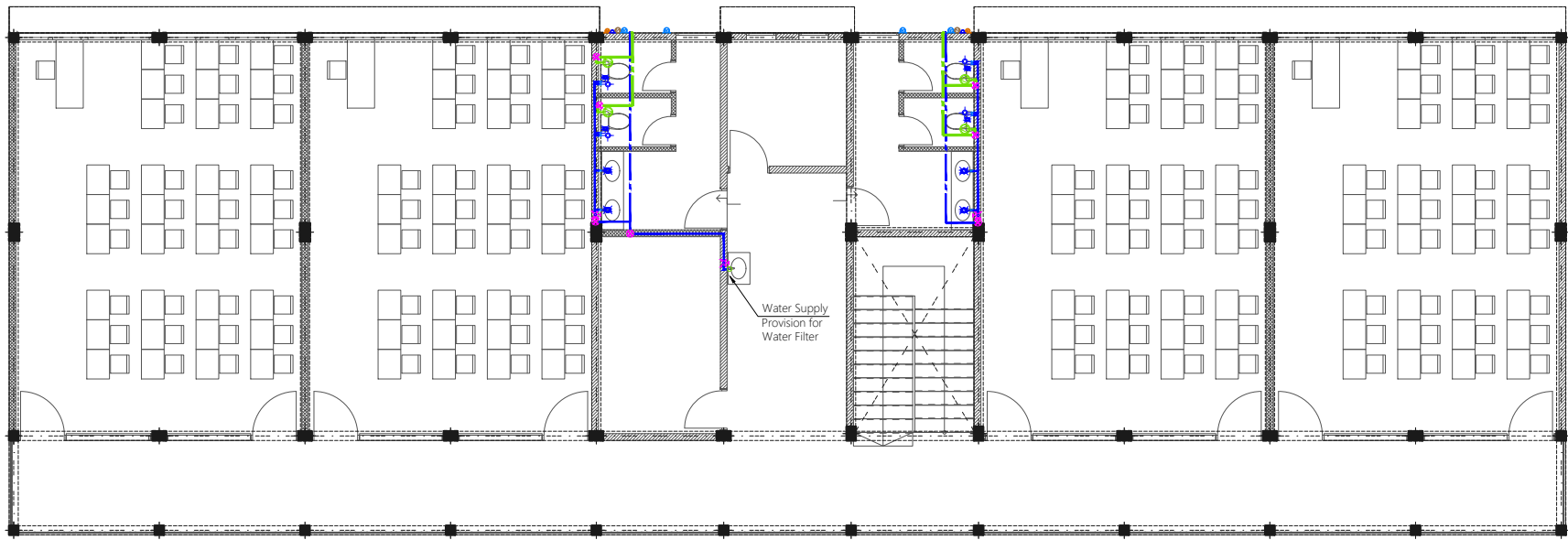
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SECOND FLOOR PLUMBING LAYOUT

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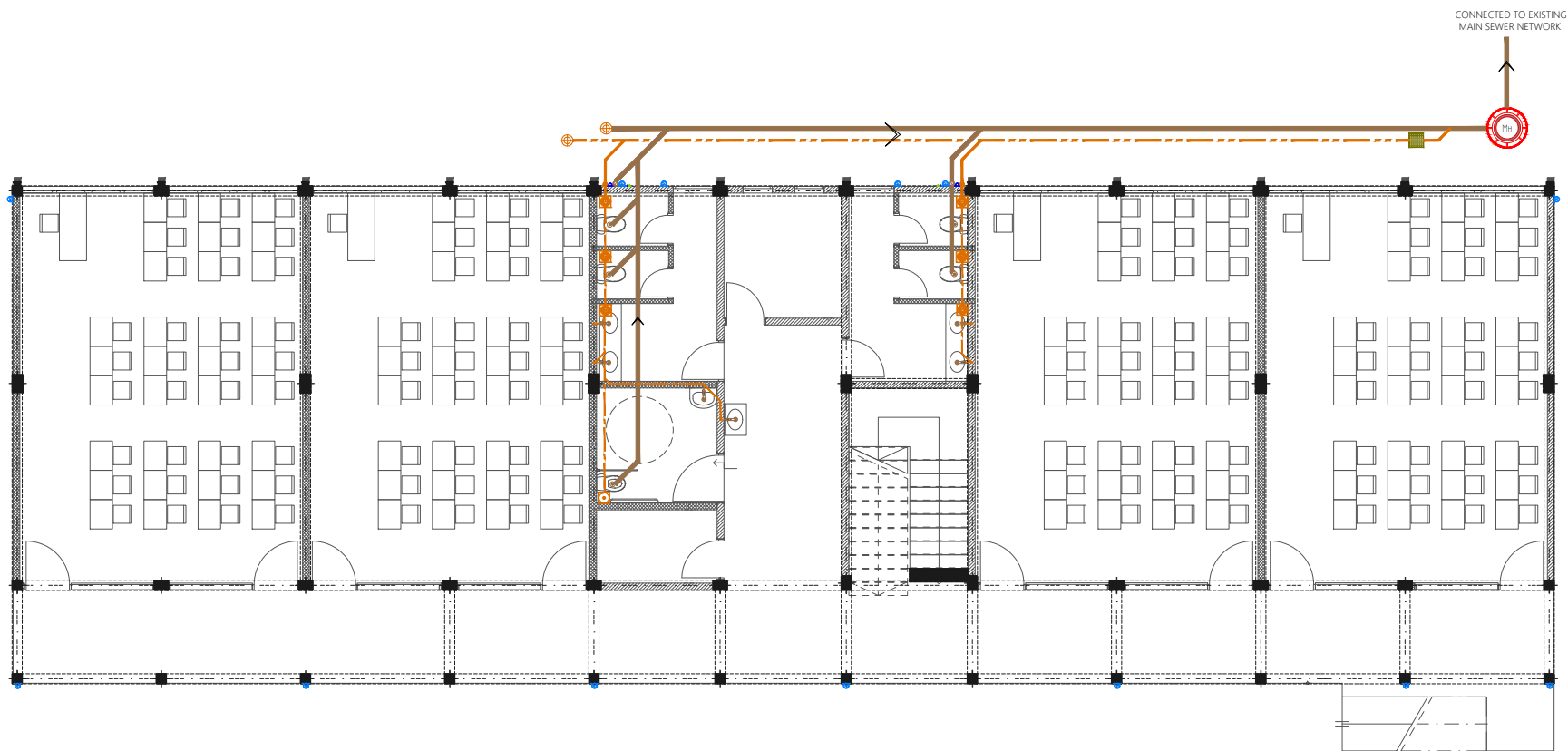
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Legend

-  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)
-  Rodding Eye
-  Bottle Trap
-  Gully Trap
-  Manhole

Notes: -

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



GROUND FLOOR DRAINAGE LAYOUT

1:150

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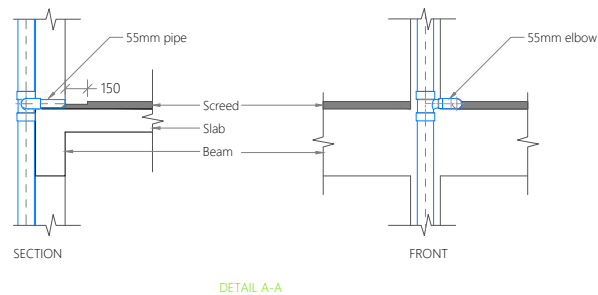
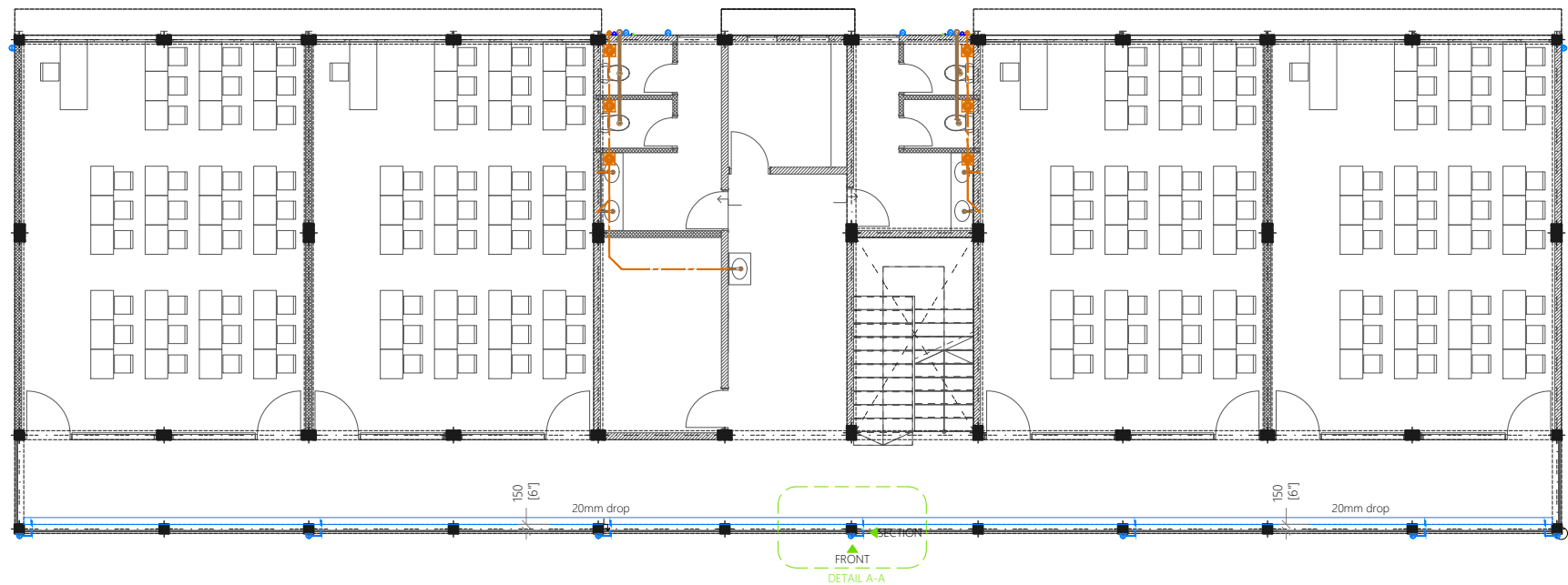
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Legend

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FIRST FLOOR DRAINAGE LAYOUT

1:150

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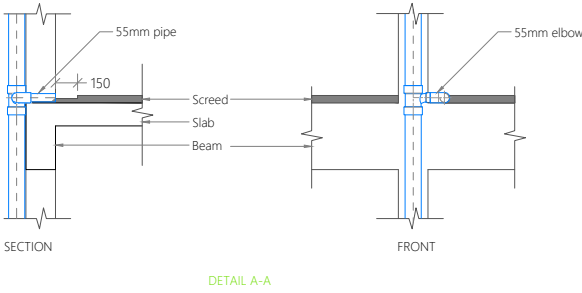
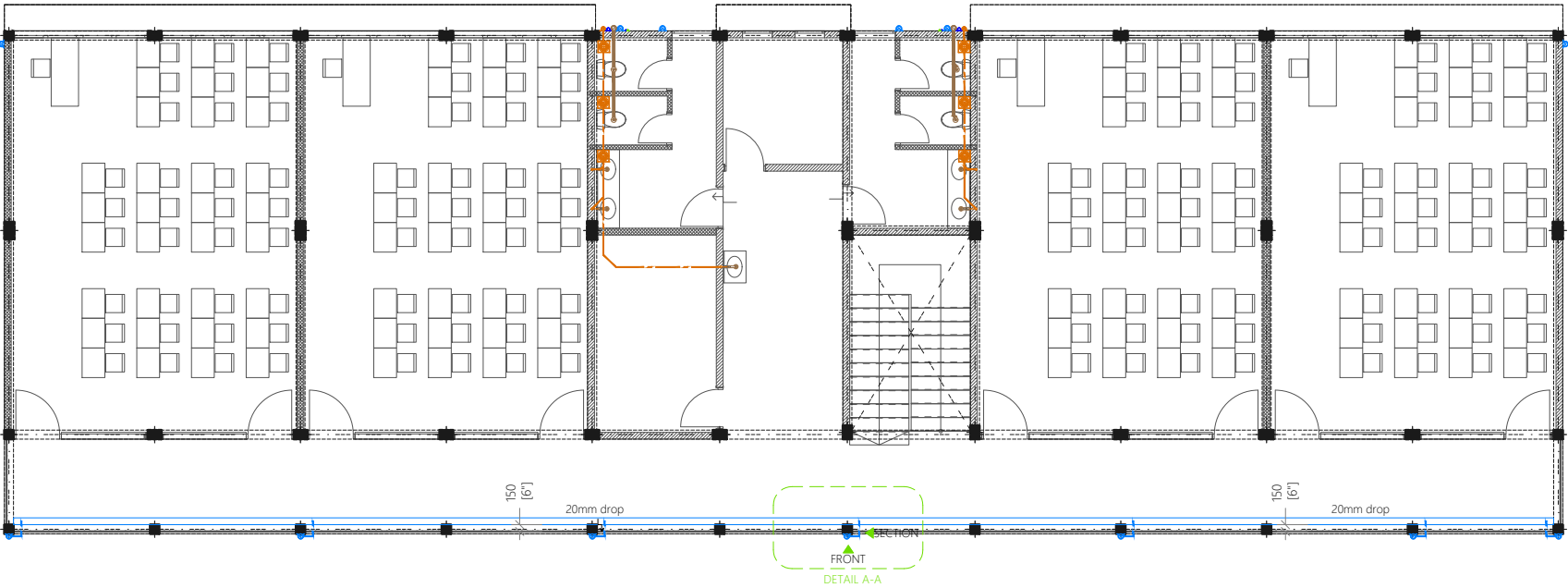
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Legend

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SECOND FLOOR DRAINAGE LAYOUT
1:150

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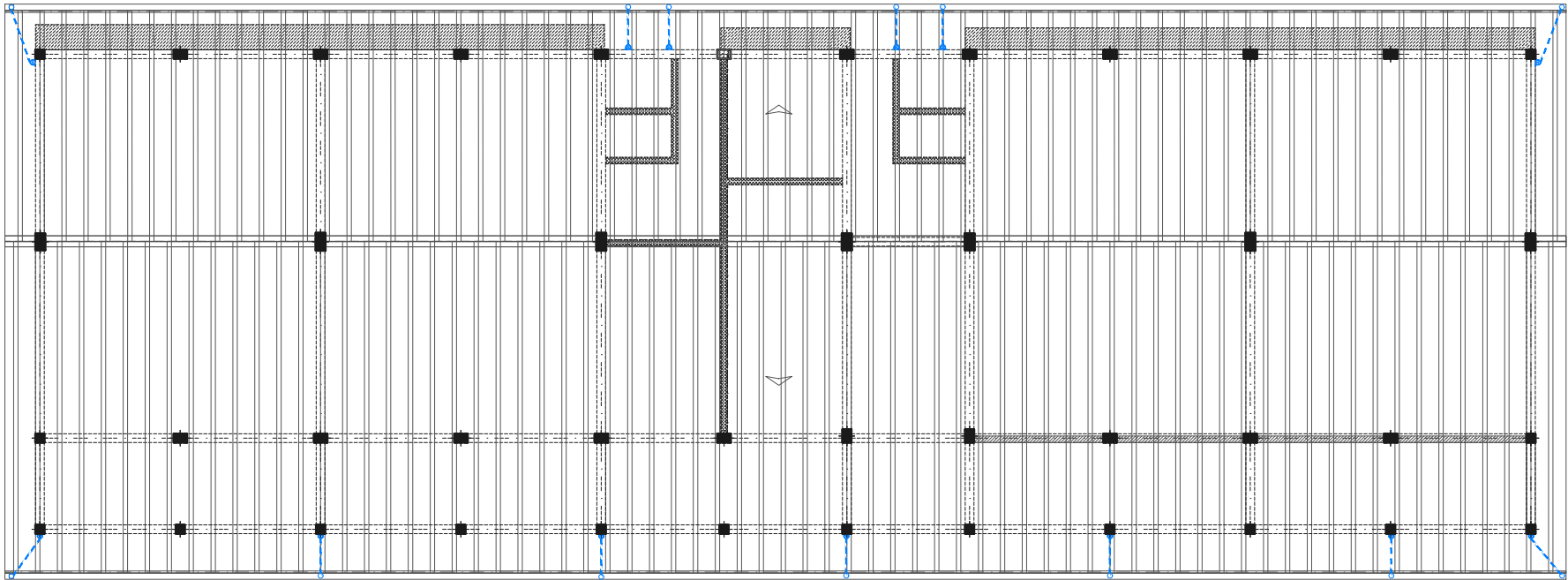
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Legend

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ROOF DRAINAGE LAYOUT

1:150

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