

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.
- 


Emergency Light
- 


Wall Mounted Speaker
- 

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: -

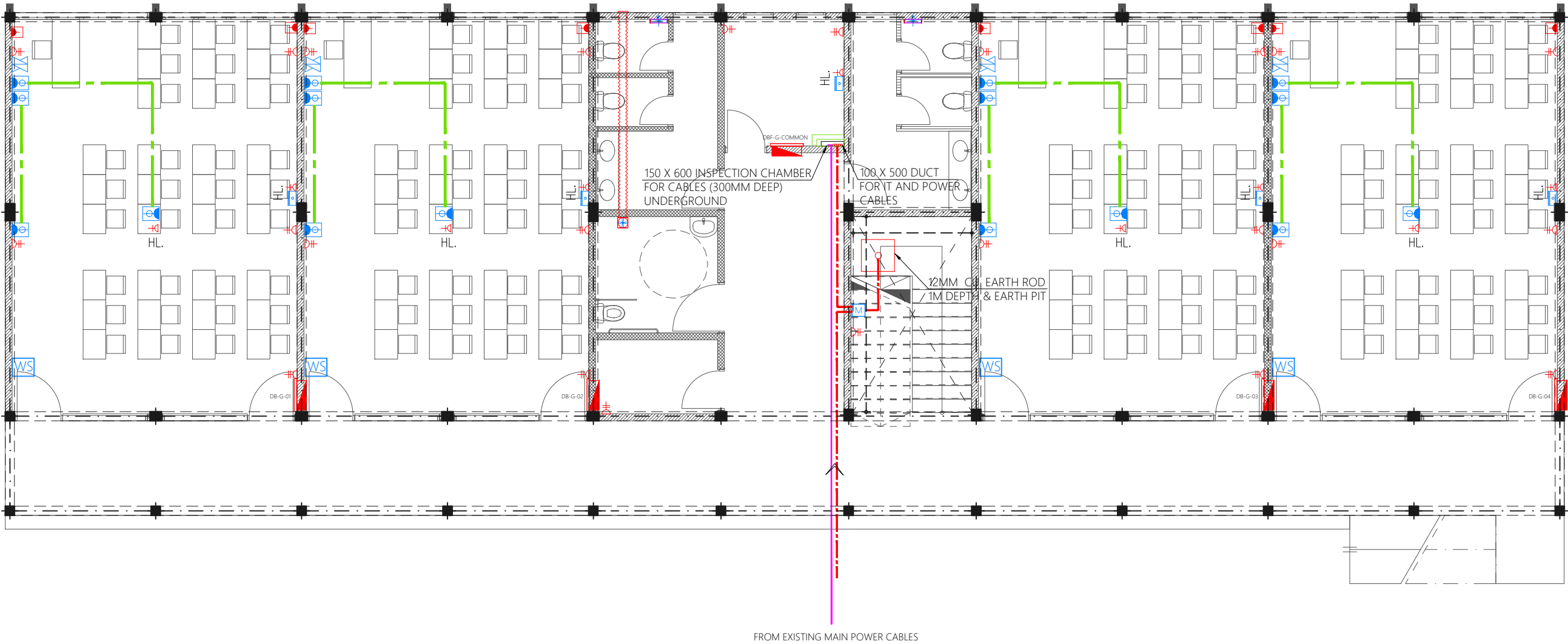
- All Twin Sockets At 300mm From F.F.L. Except Stated Otherwise
- All Computer, Telephone Points At 300mm From F.F.L.
- All electrical components shall be connected to respective Distribution Box in the same area as the component.
- All electrical components in common areas, corridors and staircase should 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



GROUND FLOOR POWER AND ACV LAYOUT

1:100

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

January 2021













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Rev: Page:
..... PAC-01
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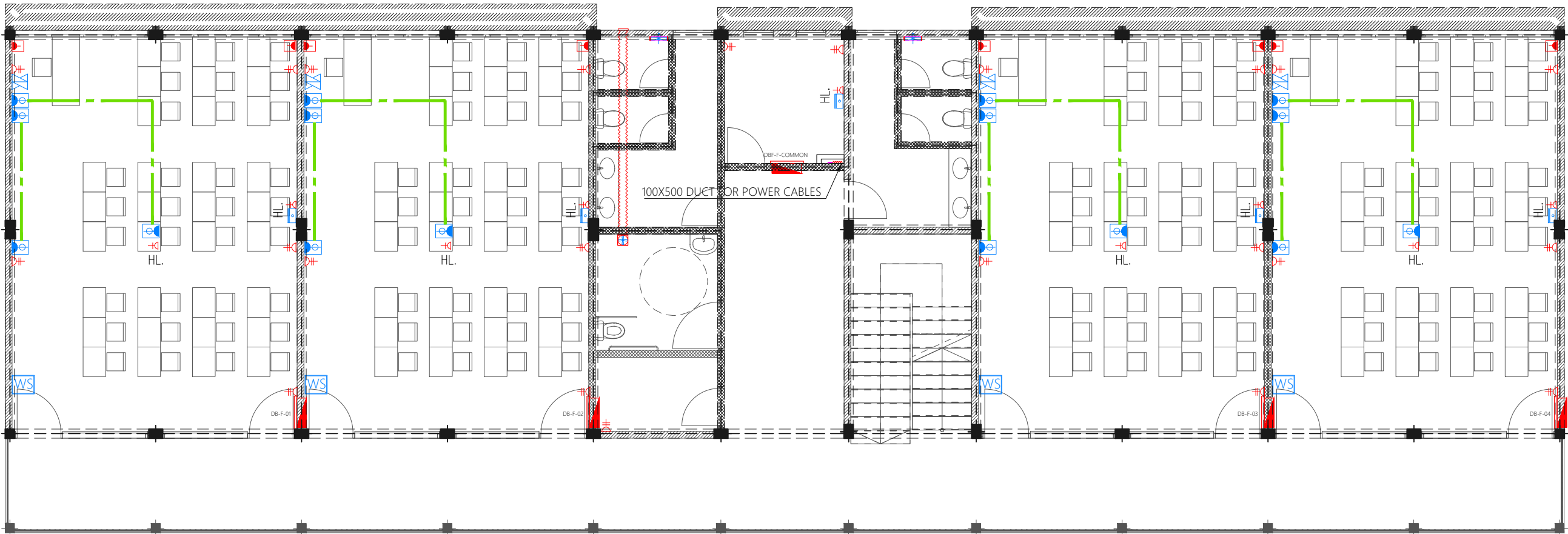
Legend

-  13A Twin Socket
-  13A Power Socket
-  Distribution Board
-  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



FIRST FLOOR POWER AND ACV LAYOUT

1:100

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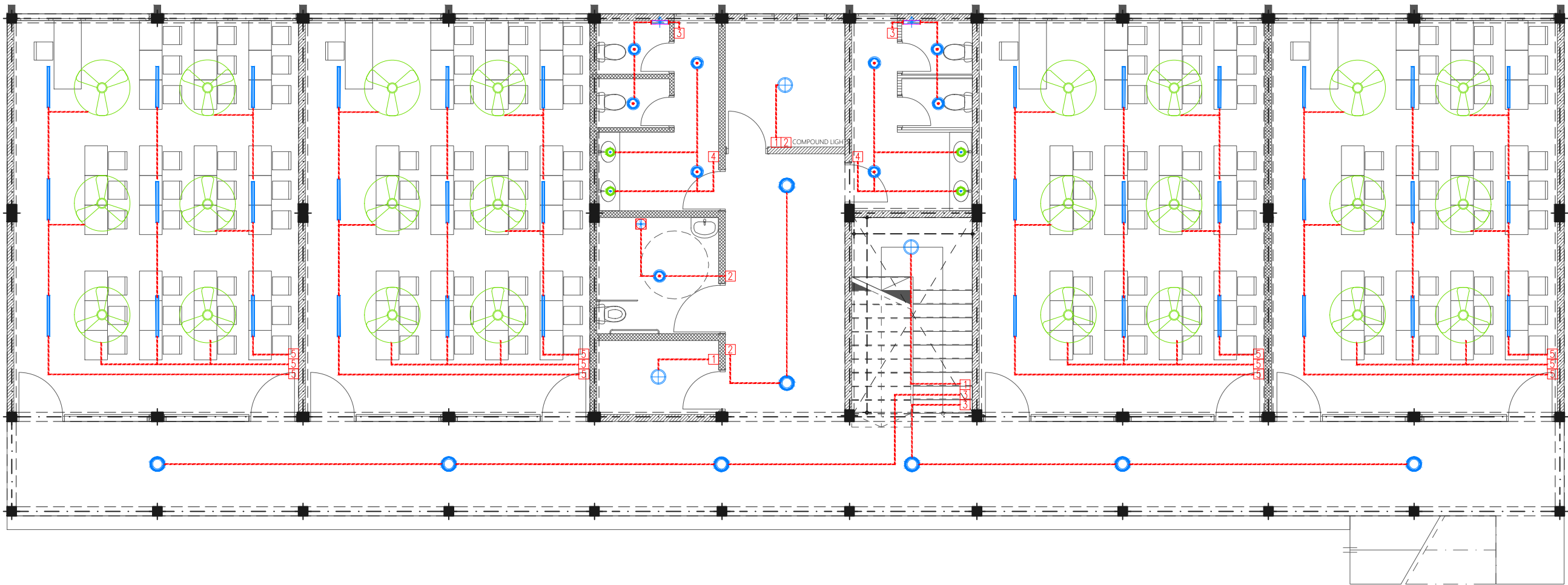


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Rev: Page:
PAC-02

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



GROUND FLOOR LIGHTING LAYOUT

1:100

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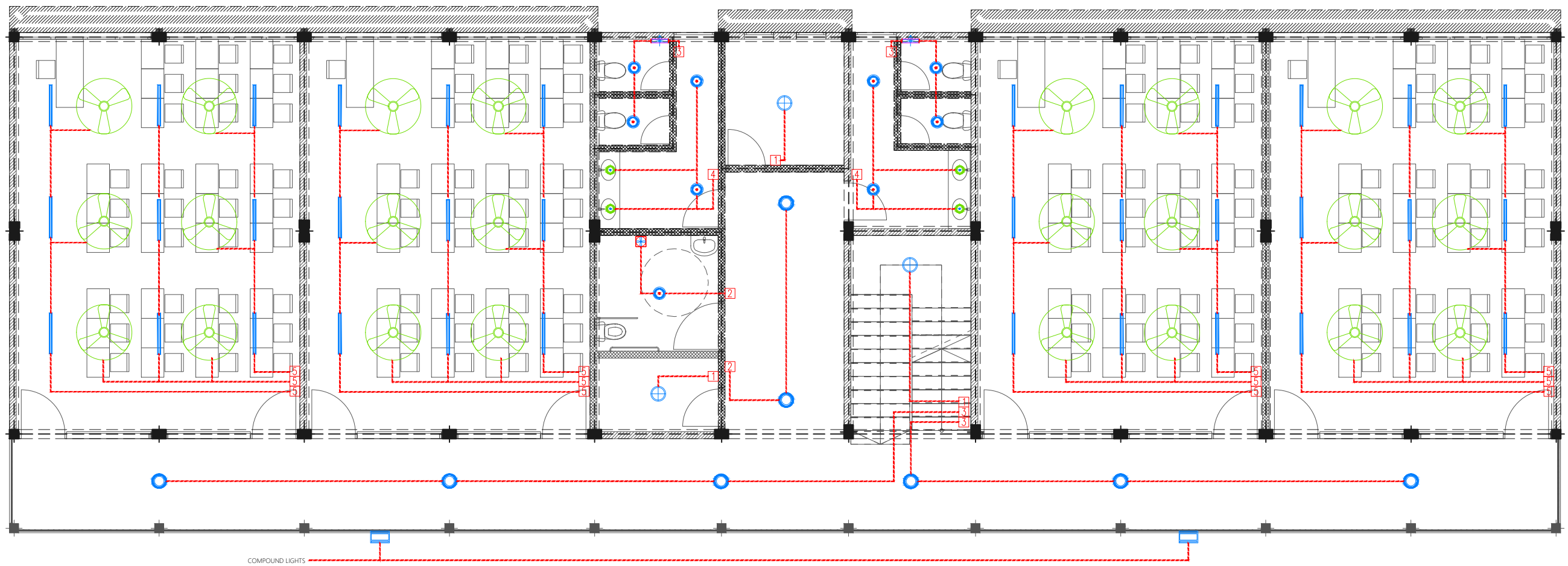


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Rev.	Page:
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Legend

-  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



FIRST FLOOR LIGHTING LAYOUT

1:100

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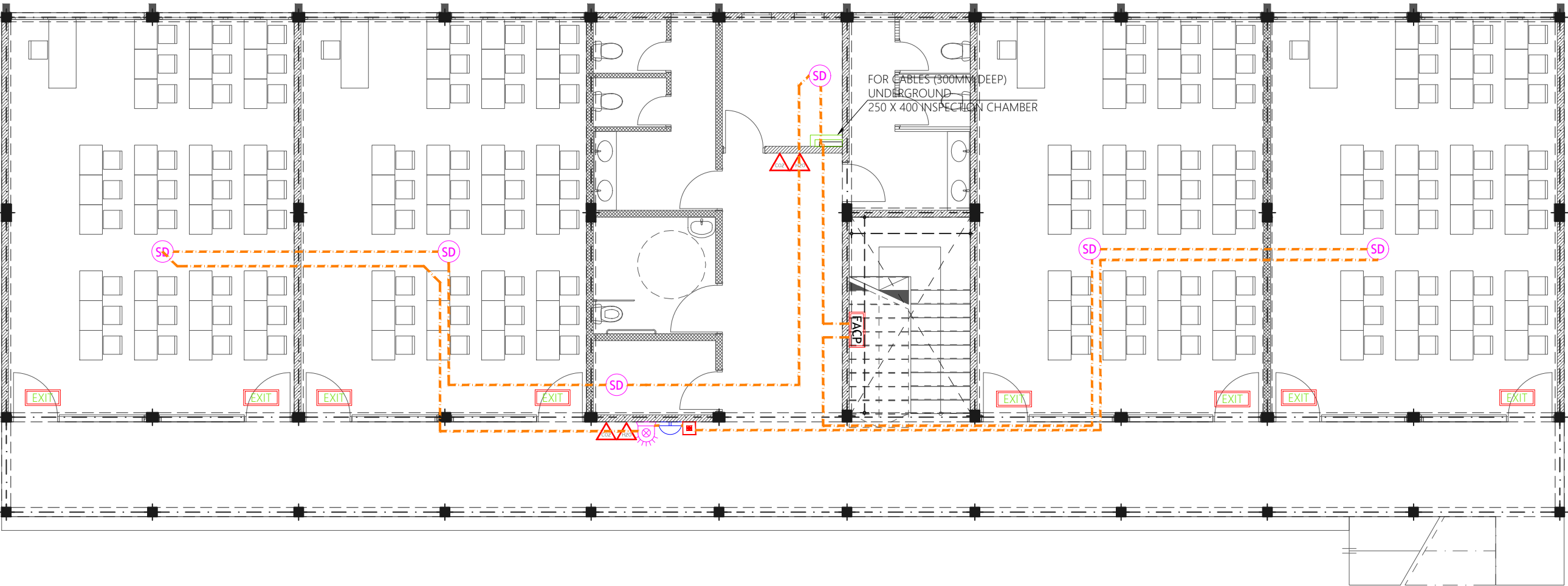


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Rev.	Page:
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Legend

-  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



GROUND FLOOR FDP LAYOUT

1:100

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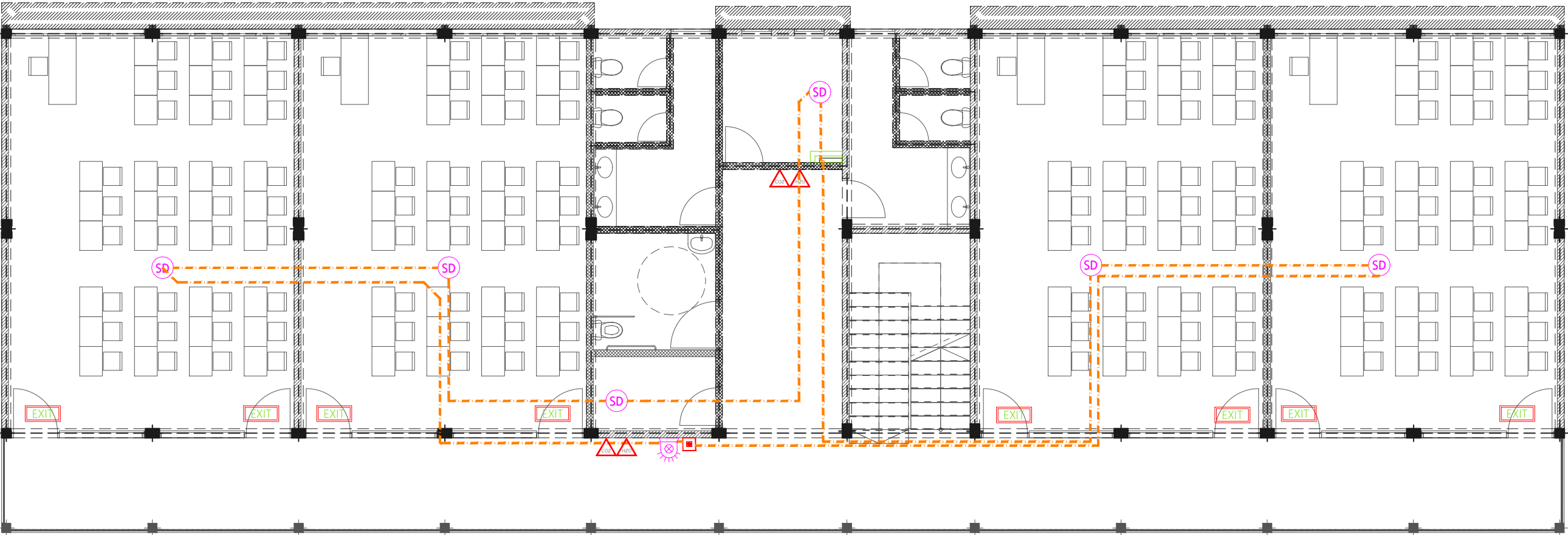


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Rev.	Page:
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Legend

-  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



FIRST FLOOR FDP LAYOUT

1:100

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Rev:

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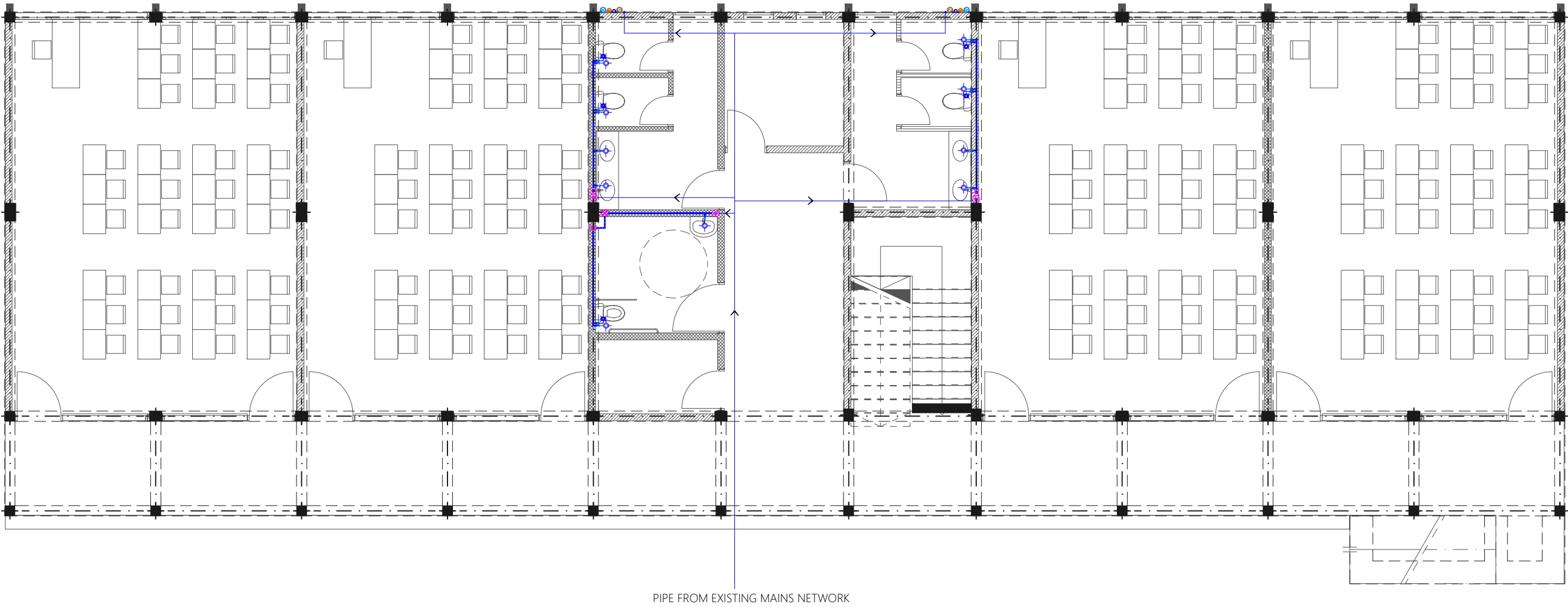
FDP-02

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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Rev.	Page:
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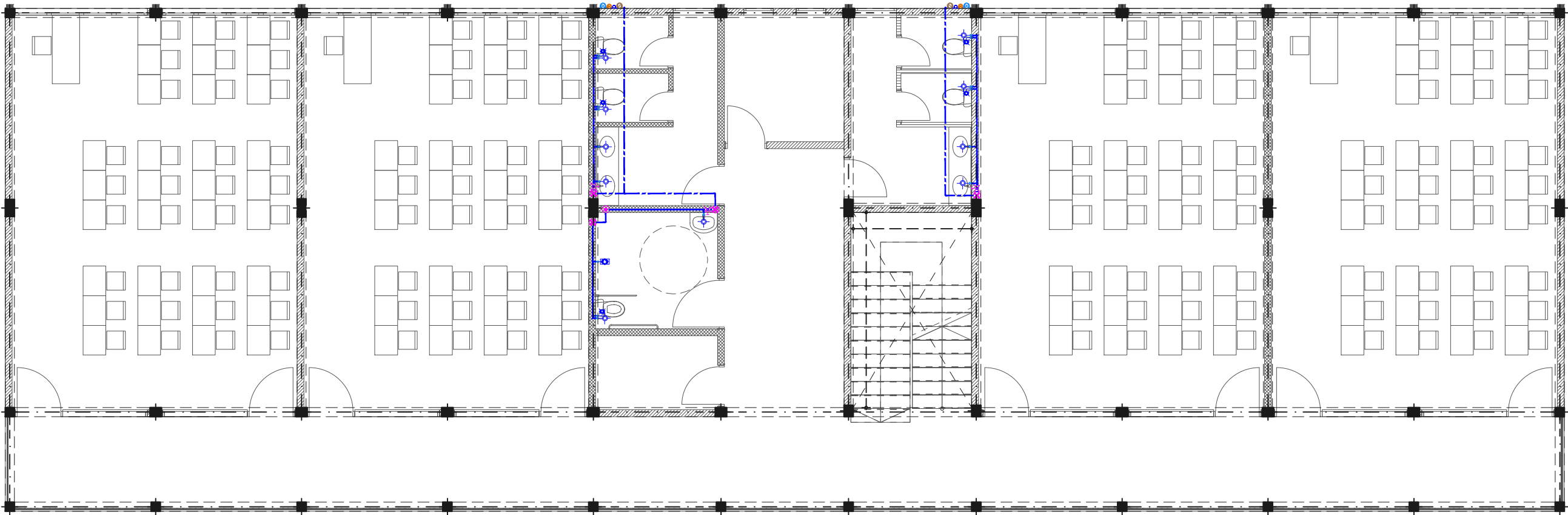
GROUND FLOOR PLUMBING LAYOUT

1:100

- 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: -

- All Cold Water Pipes Should Be PVC
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FIRST FLOOR PLUMBING LAYOUT

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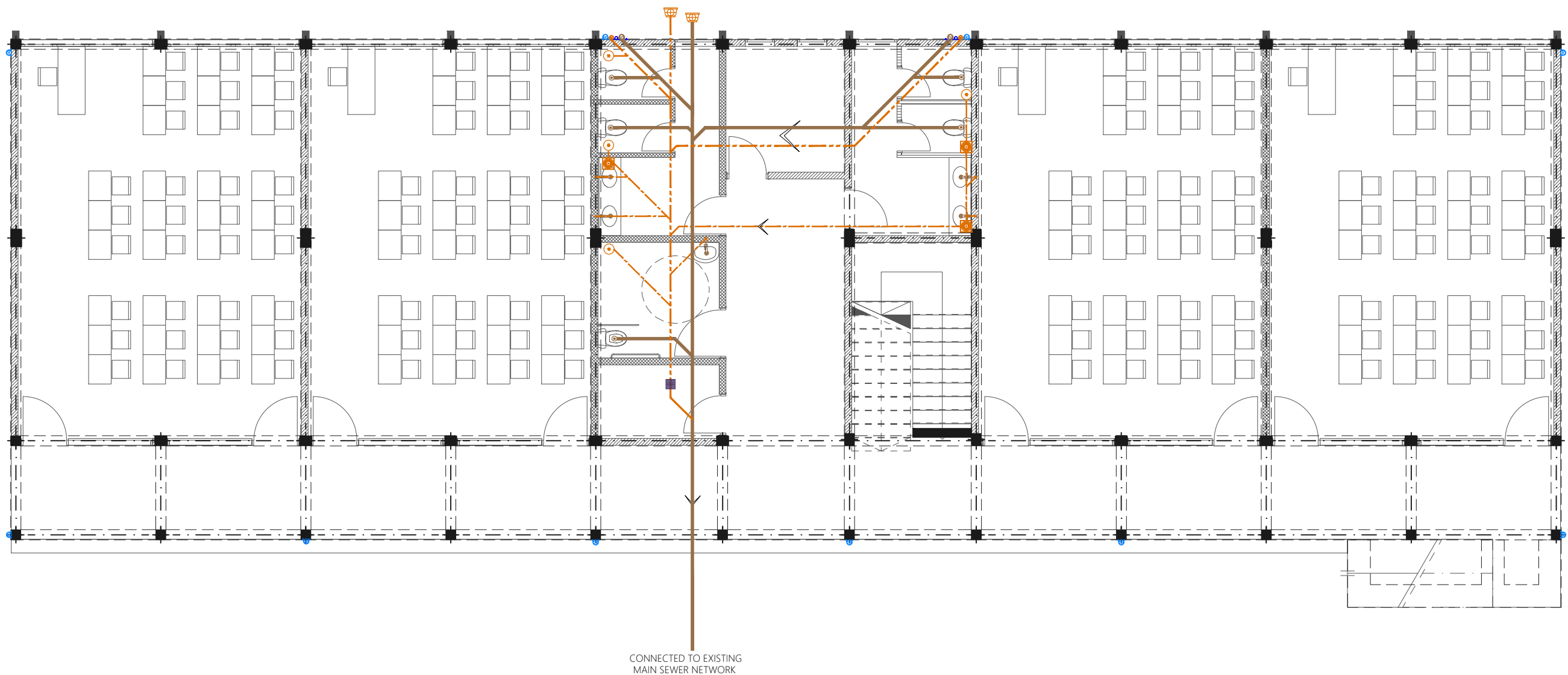
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Rev.	Page:
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- Legend
- Floor Drain
 - Floor Gully
 - 110Ø Soil Pipe (uPVC Pipe)
 - 110Ø Soil Vent Pipe (uPVC Pipe)
 - 82Ø Waste Pipe (uPVC Pipe)
 - 82Ø Waste Vent Pipe (uPVC Pipe)
 - 40Ø Waste Pipe (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



CONNECTED TO EXISTING
MAIN SEWER NETWORK

GROUND FLOOR DRAINAGE LAYOUT

1:100

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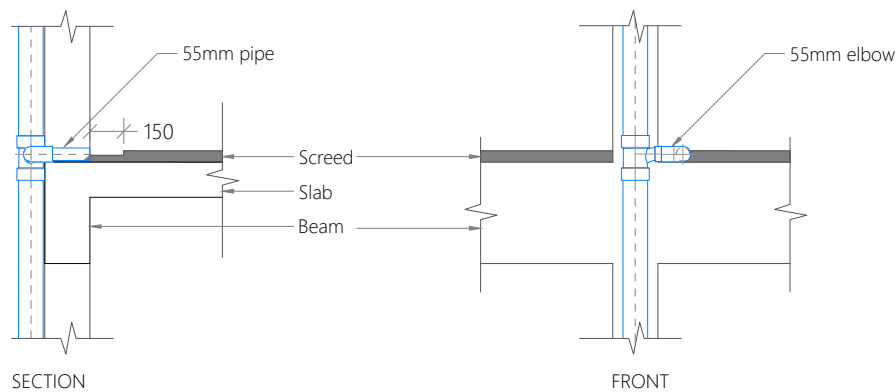
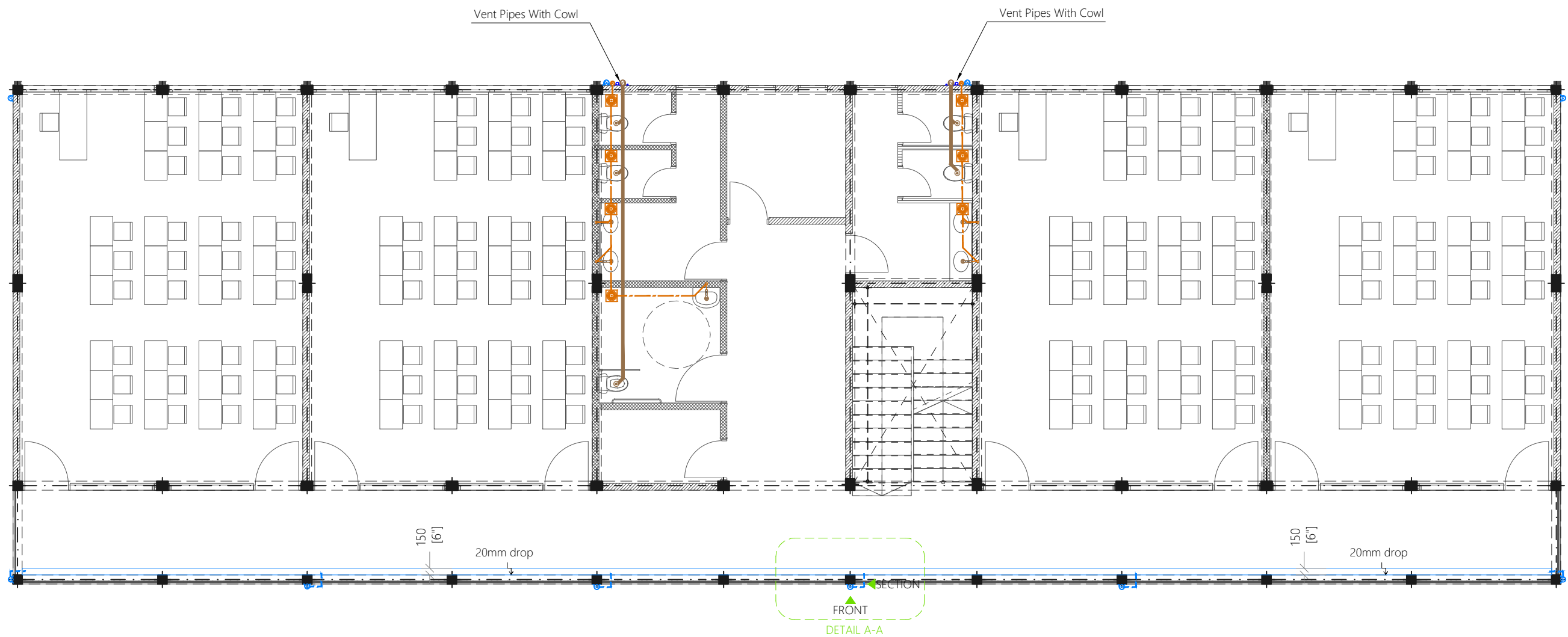
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DR-01

- Legend
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 - Floor Gully
 - 110Ø Soil Pipe (uPVC Pipe)
 - 110Ø Soil Vent Pipe (uPVC Pipe)
 - 82Ø Waste Pipe (uPVC Pipe)
 - 82Ø Waste Vent Pipe (uPVC Pipe)
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FIRST FLOOR DRAINAGE LAYOUT

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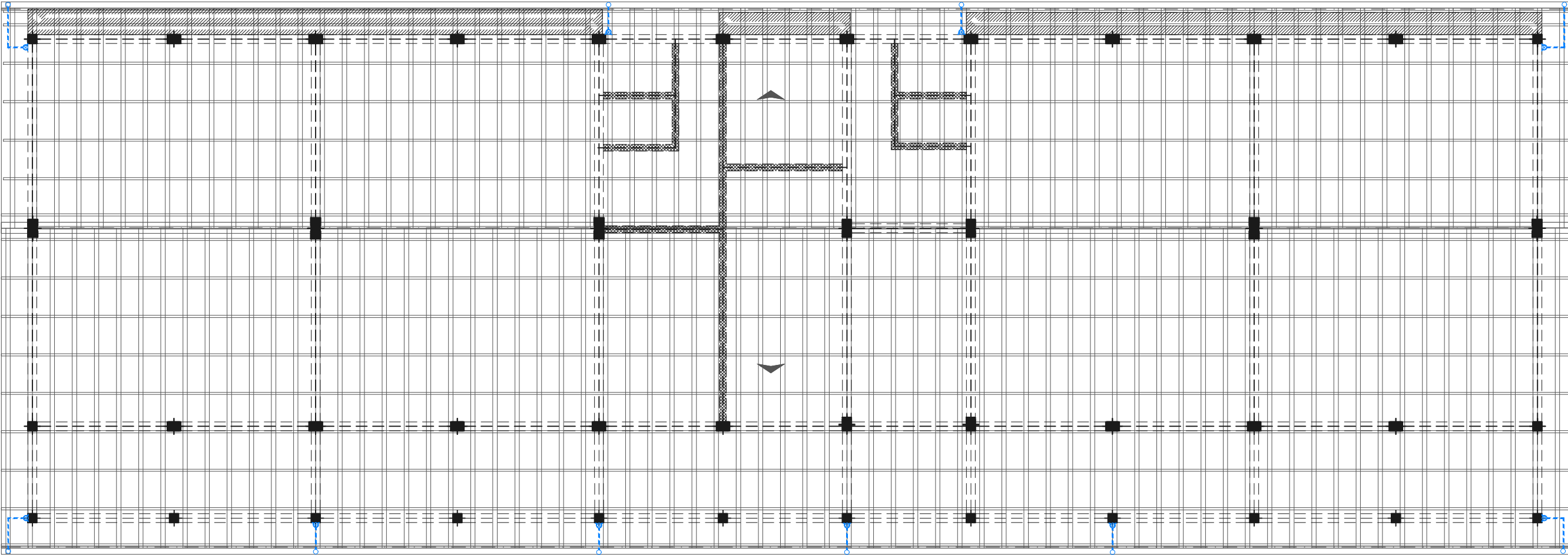
Rev:

Page:

DR-02

Legend

110Ø Rain Water Pipes (uPVC Pipe)



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Rev.	Page:
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ROOF DRAINAGE LAYOUT

1:100