

BUILDING SERVICES DRAWINGS OF
PROPOSED 03 STOREY
**MULTI PURPOSE HALL AND EIGHT CLASSROOM
BLOCK, SH.FEYDHOO**
For Ministry Of Education












By Epoch Associates Pvt. Ltd






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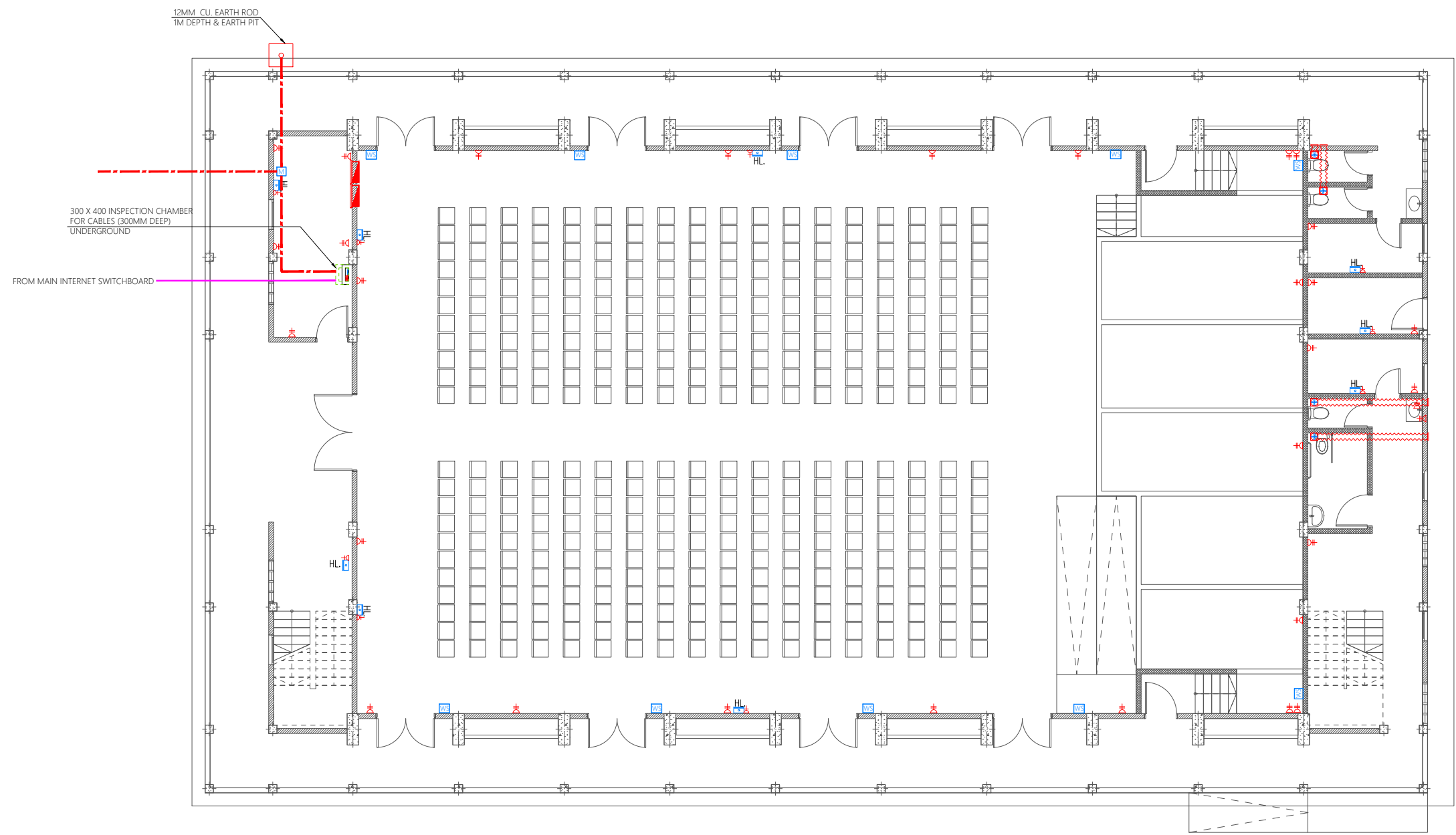
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A: 3rd Floor, G.Rosary West, Husnuheena Magu, Male' Republic of Maldives

Legend

-  13A Twin Socket
-  13A Power Socket
-  Distribution Board
-  HL.
-  Computer Network Outlet
-  Emergency Light
-  WS
-  M
-  Public Address System
-  Computer Network Twin Outlet
-  HDMI Socket

-  Ceiling Mounted Exhaust Fan 90m3/hr
-  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
**MULTIPURPOSE
HALL AND EIGHT
CLASSROOM
BLOCK,
SH. FEYDHOO**
Client:
Ministry Of Education

February 2021

Services By: Mohamed Rassam
Checked By:
Drawn By: Hussain Rasheed


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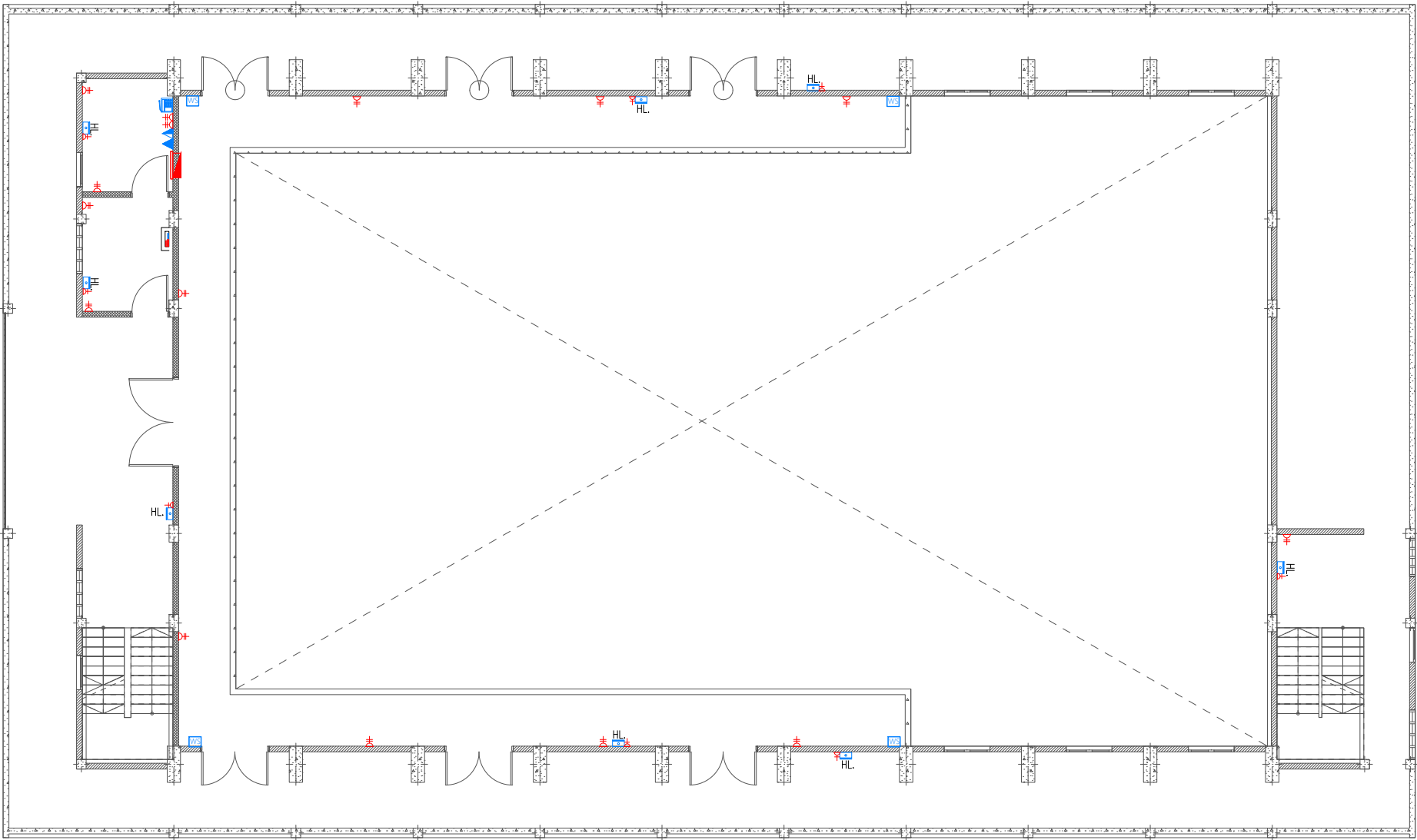
Rev:	Page:
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Legend

- 13A Twin Socket
- 13A Power Socket
- Distribution Board
- HL. High Level
- Computer Network Outlet
- Emergency Light
- WS Wall Mounted Speaker
- M Electricity Meter
- Public Address System
- Computer Network Twin Outlet
- HDMI Socket

- Ceiling Mounted Exhaust Fan 90m3/hr
- Main Incoming Cable For Power PVC Duct Below Ground
- 82Ø PVC Duct For Internet Cables Lead In Below Ground Slab

Notes: -
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FIRST FLOOR POWER AND ACV LAYOUT
1:150

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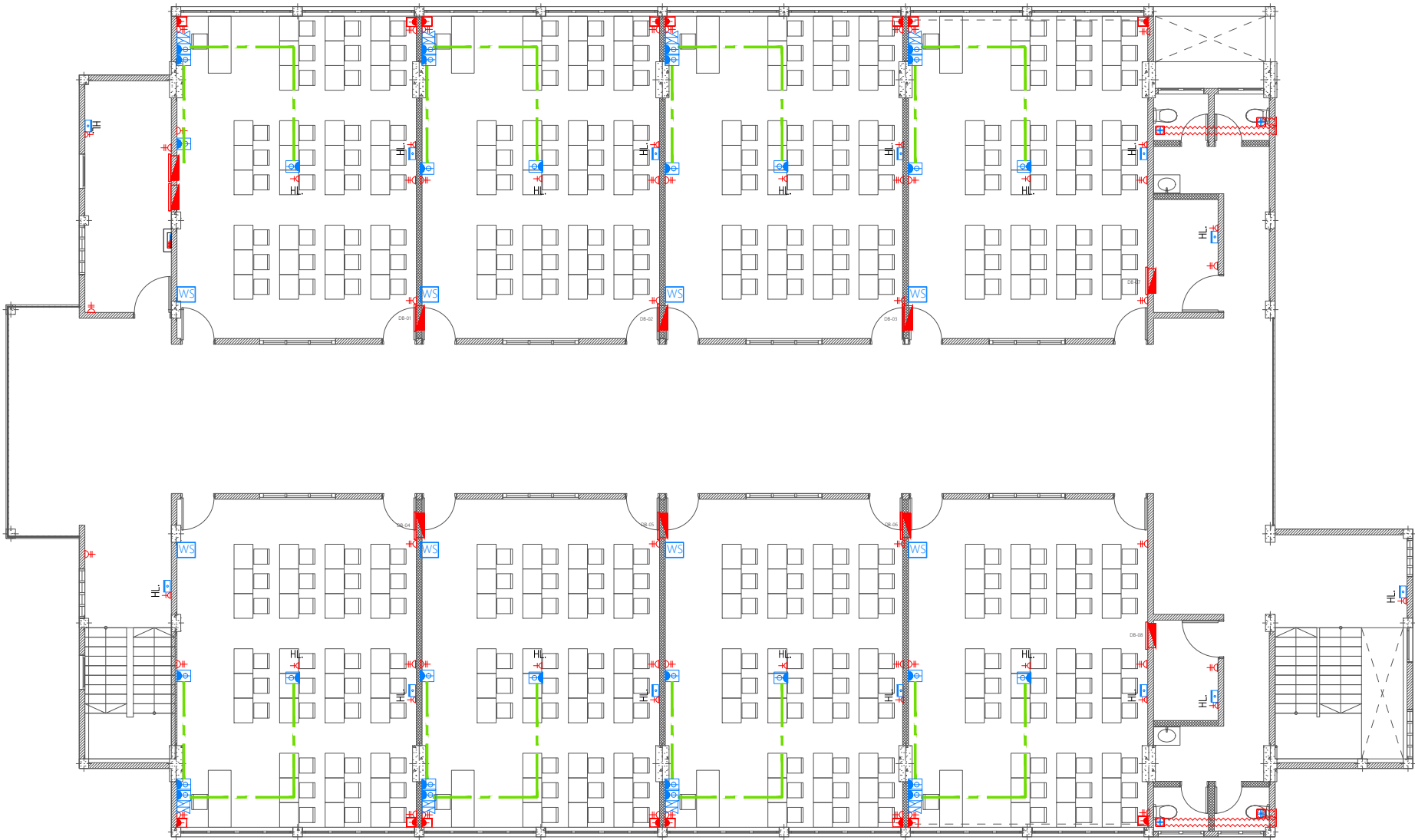
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Page: PAC-02

Legend

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

- Ceiling Mounted Exhaust Fan 90m3/hr
- Main Incoming Cable For Power PVC Duct Below Ground
- 82Ø PVC Duct For Internet Cables Lead In Below Ground Slab

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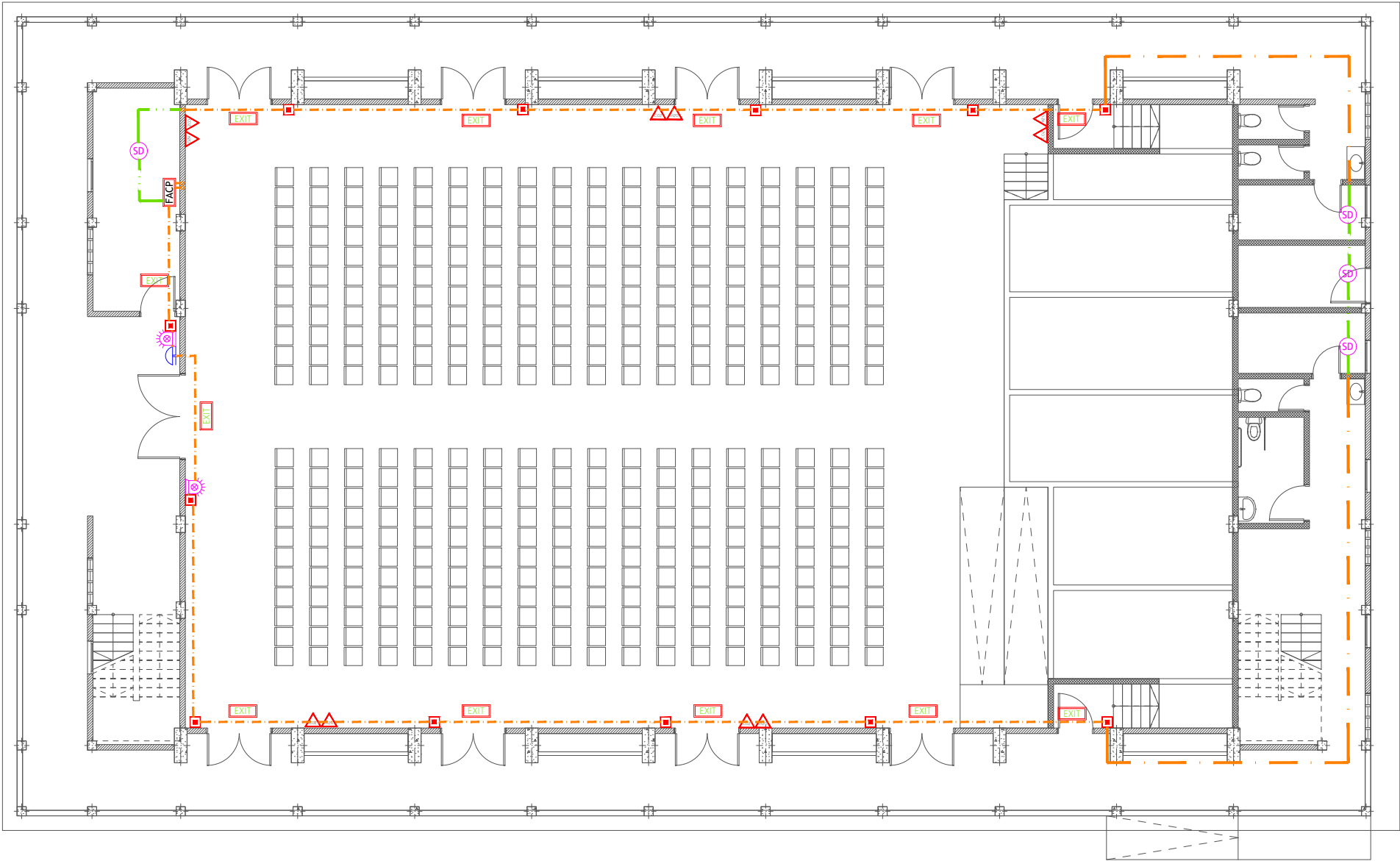
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Legend

-  CO₂ Extinguisher (load: 2kg) In Polycarbonate Enclosure
-  DCP Extinguisher (load: 6kg) 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 (Running Underground)
-  2.5mm² Fire Retardant Low Smoke (FRLS) Cables In FRLS Conduits (Above False Ceiling or Through Slab)
-  FACP Fire Alarm Control Panel
-  EXIT Exit Sign



GROUND FLOOR FDP LAYOUT

1:150

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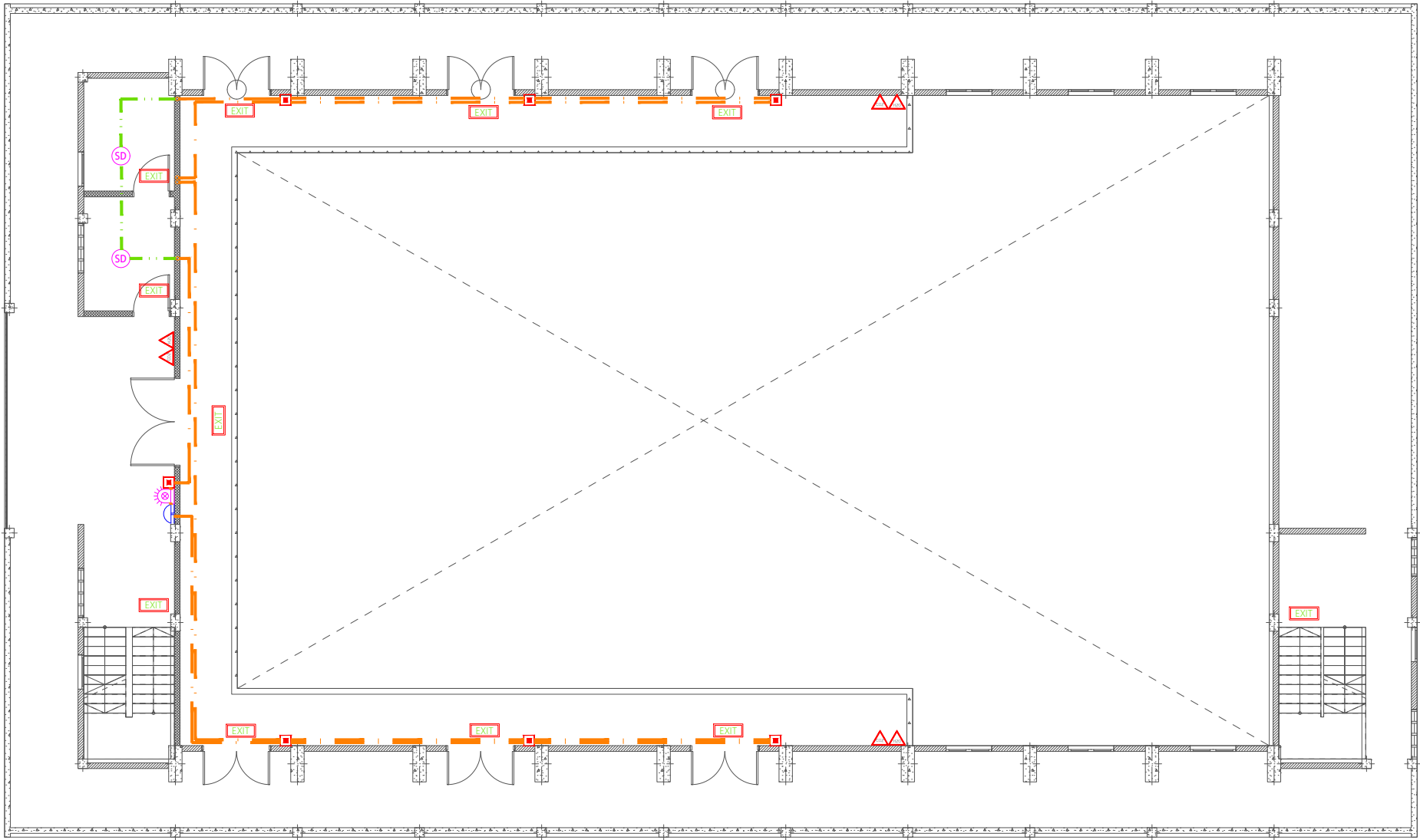
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Rev:	Page:
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Legend

-  CO₂ Extinguisher (load: 2kg) In Polycarbonate Enclosure
-  DCP Extinguisher (load: 6kg) In Polycarbonate Enclosure
-  H₂O Extinguisher (load: 9L) In Polycarbonate Enclosure
-  Manual Call Point (At 1200mm from F.F.L.)
-  Smoke Detector
-  Beacon
-  Sounder Bell
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-  2.5mm² Fire Retardant Low Smoke (FRLS) Cables In FRLS Conduits (Above False Ceiling or Through Slab)
-  Fire Alarm Control Panel
-  Exit Sign



FIRST FLOOR FDP LAYOUT
1:150

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Rev:	Page:
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Legend

-  CO₂ Extinguisher (load: 2kg) In Polycarbonate Enclosure
-  DCP Extinguisher (load: 6kg) In Polycarbonate Enclosure
-  H₂O Extinguisher (load: 9L) In Polycarbonate Enclosure
-  Manual Call Point (At 1200mm from F.F.L.)
-  Smoke Detector
-  Beacon
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-  2.5mm² Fire Retardant Low Smoke (FRLS) Cables In FRLS Conduits (Above False Ceiling or Through Slab)
-  Fire Alarm Control Panel
-  Exit Sign



SECOND FLOOR FDP LAYOUT
1:150

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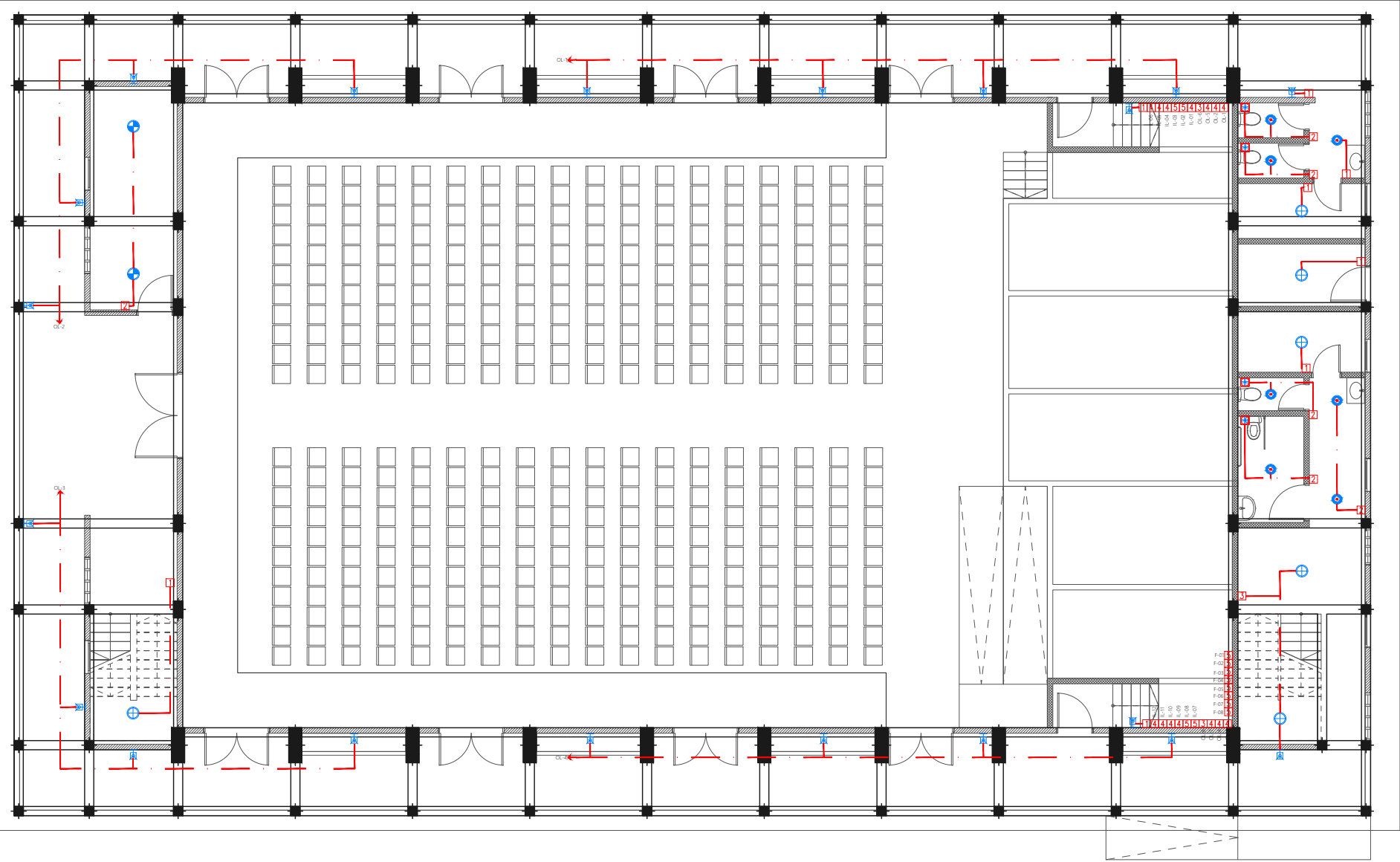
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Rev:	Page:
---	FDP -03
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Legend

-  Ceiling Light (18W)
-  Ceiling Light (12W)
-  Recessed Ceiling Light (12W)
-  Ceiling Down Light (18W) - Weather Proof
-  Weather Proof Wall Light IP55 (12W)
-  3 Ft Led Tube Light
-  2 x 50W PLL Tube Light
-  Light and Fan Switch (1 Gang - 5 Gang)
-  42" To 48" Ceiling Fan
-  Ceiling Mounted Exhaust Fan 90m3/hr



GROUND FLOOR LIGHTING LAYOUT
1:150

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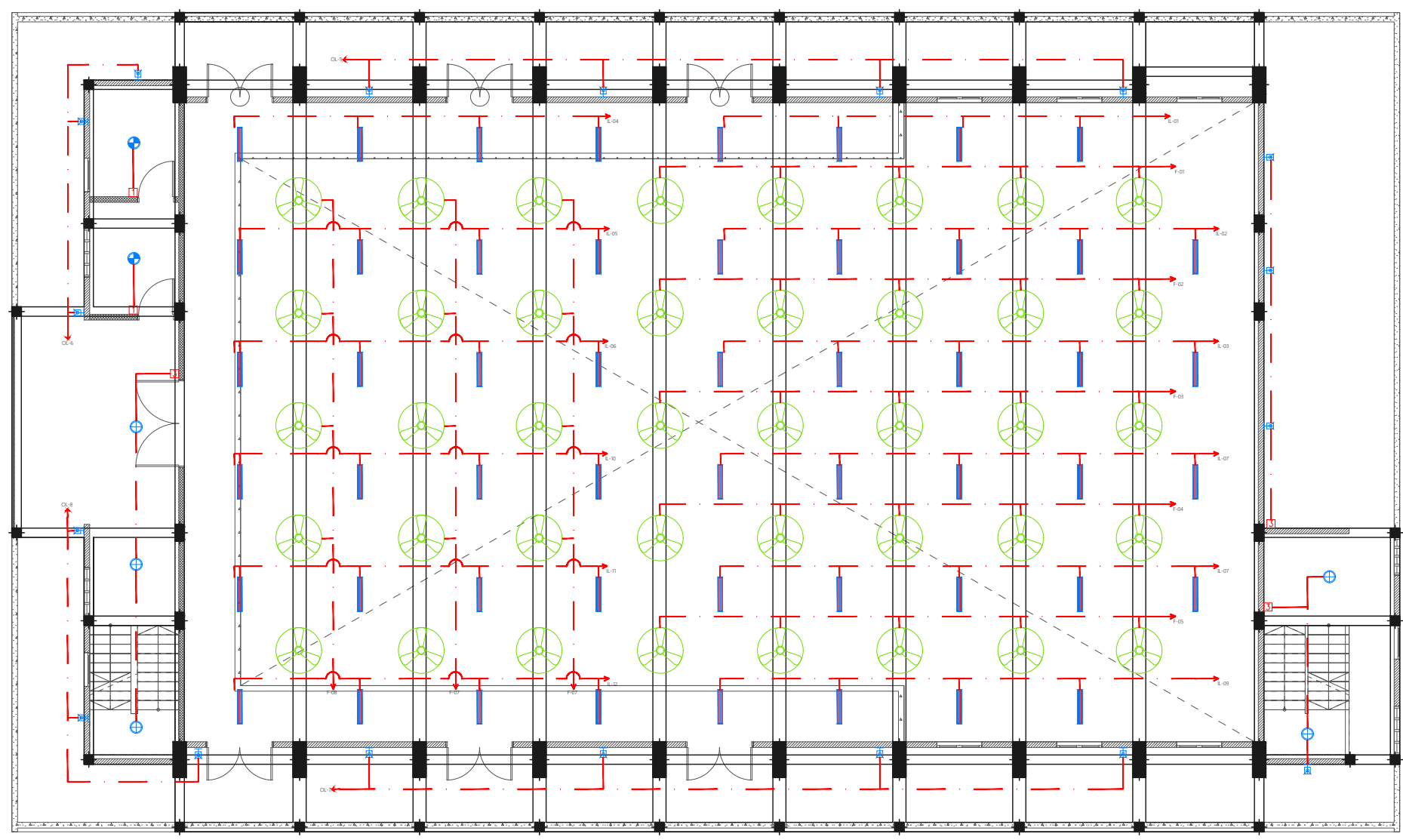
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Rev:	Page:
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Legend

-  Ceiling Light (18W)
-  Ceiling Light (12W)
-  Recessed Ceiling Light (12W)
-  Ceiling Down Light (18W) - Weather Proof
-  Weather Proof Wall Light IP55 (12W)
-  3 Ft Led Tube Light
-  2 x 50W PLL Tube Light
-  Light and Fan Switch (1 Gang - 5 Gang)
-  42" To 48" Ceiling Fan
-  Ceiling Mounted Exhaust Fan 90m3/hr



FIRST FLOOR LIGHTING LAYOUT
1:150











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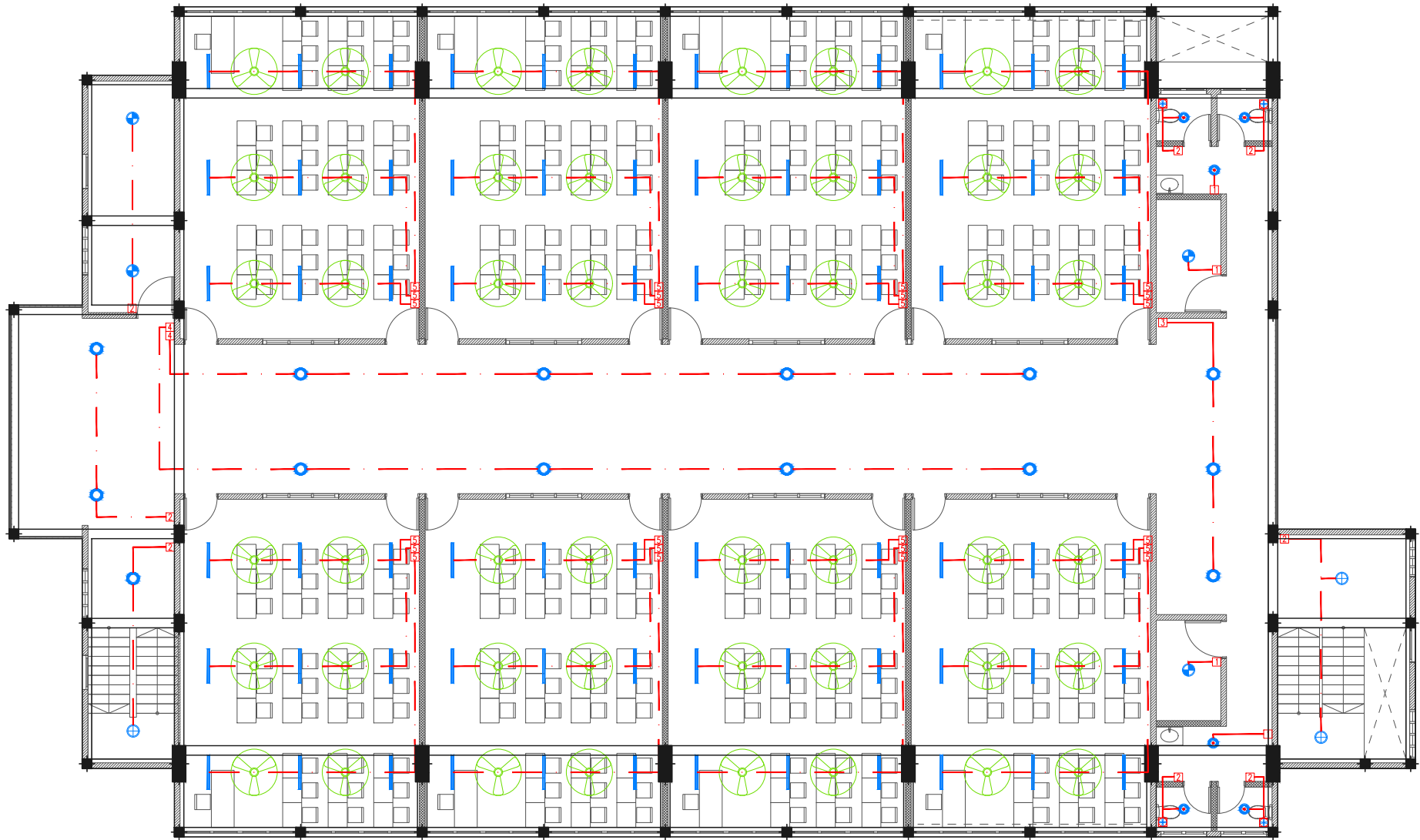
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Rev:	Page:
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SECOND FLOOR LIGHTING LAYOUT
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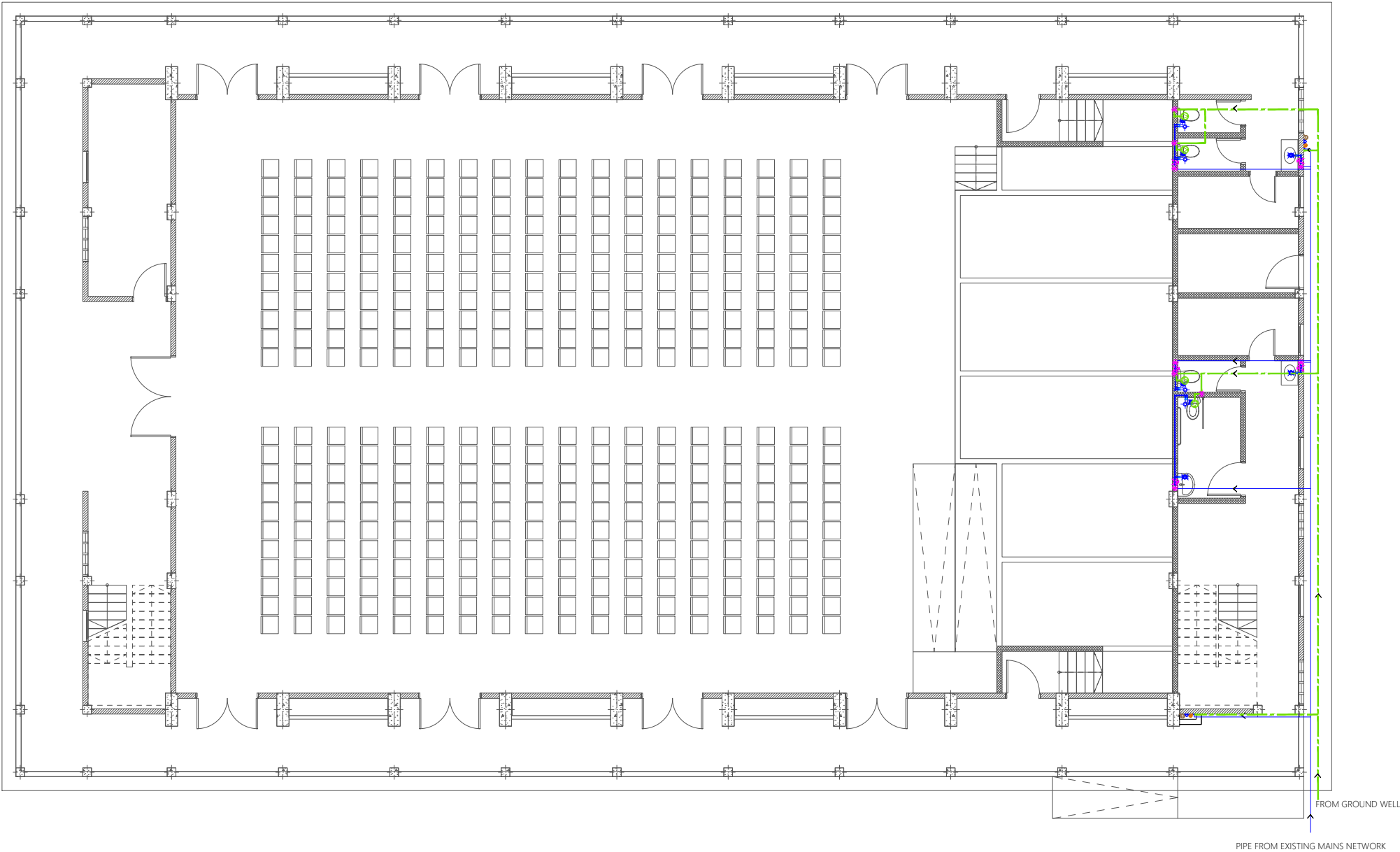
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Legend

- 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
- SII Hot Water Pipes Should Be PPR



GROUND FLOOR PLUMBING LAYOUT

1:150

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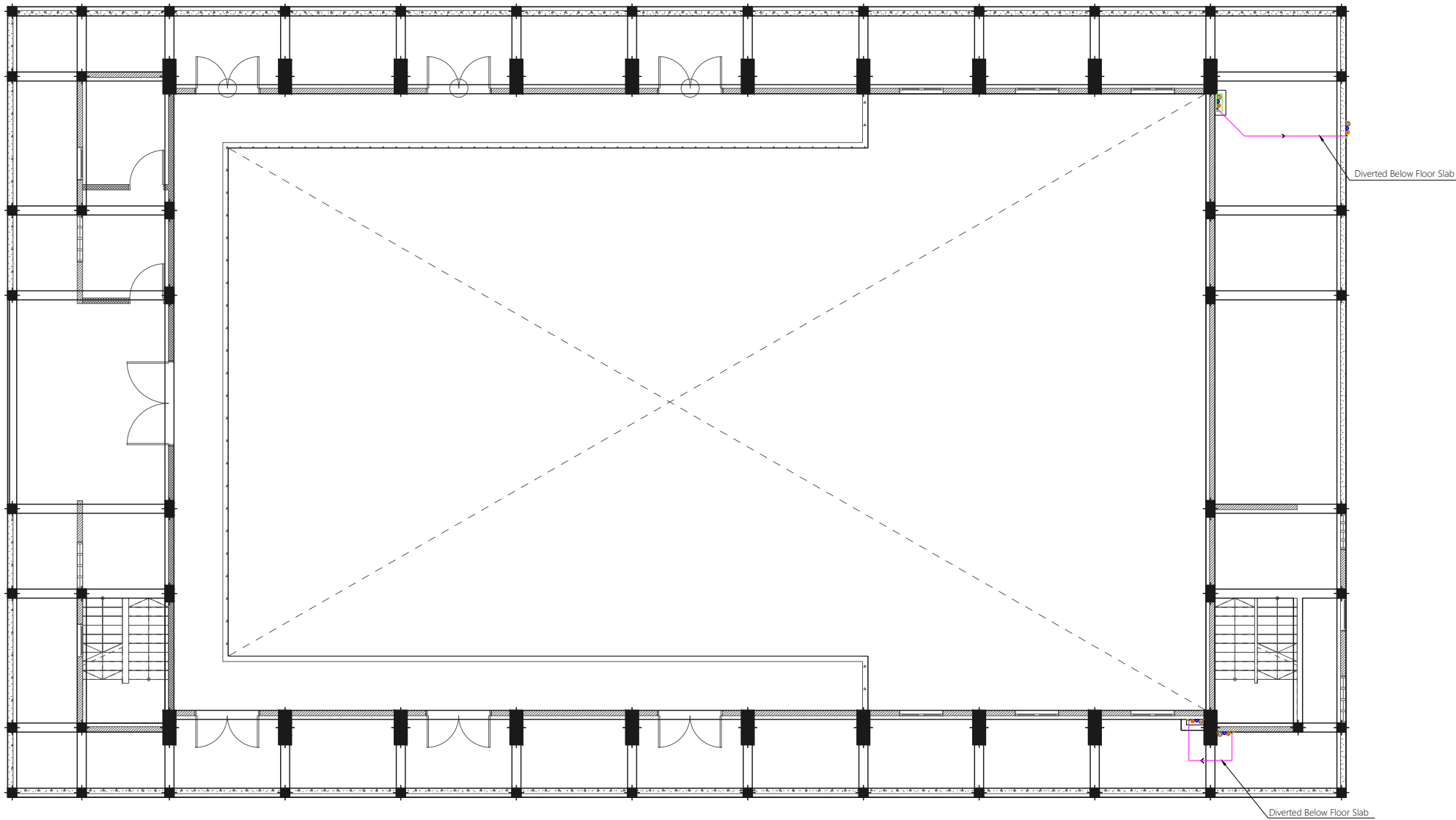
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Legend

- 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
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FIRST FLOOR PLUMBING LAYOUT
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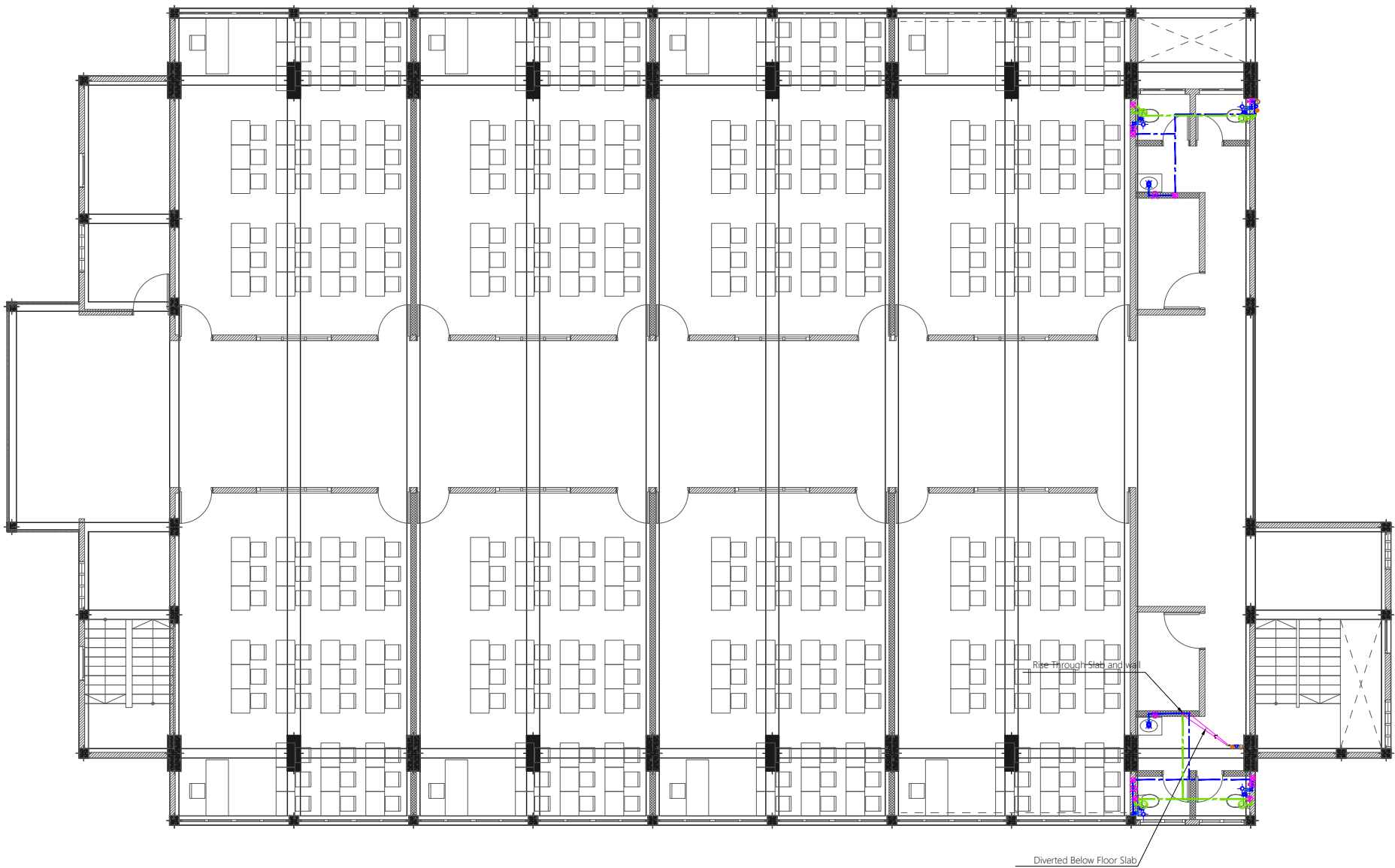
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Legend

- 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
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- Angle Valve with cap for Ground Water Supply
- 25Ø Cold Water Supply Pipes Running Underground
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SECOND FLOOR PLUMBING LAYOUT

1:150

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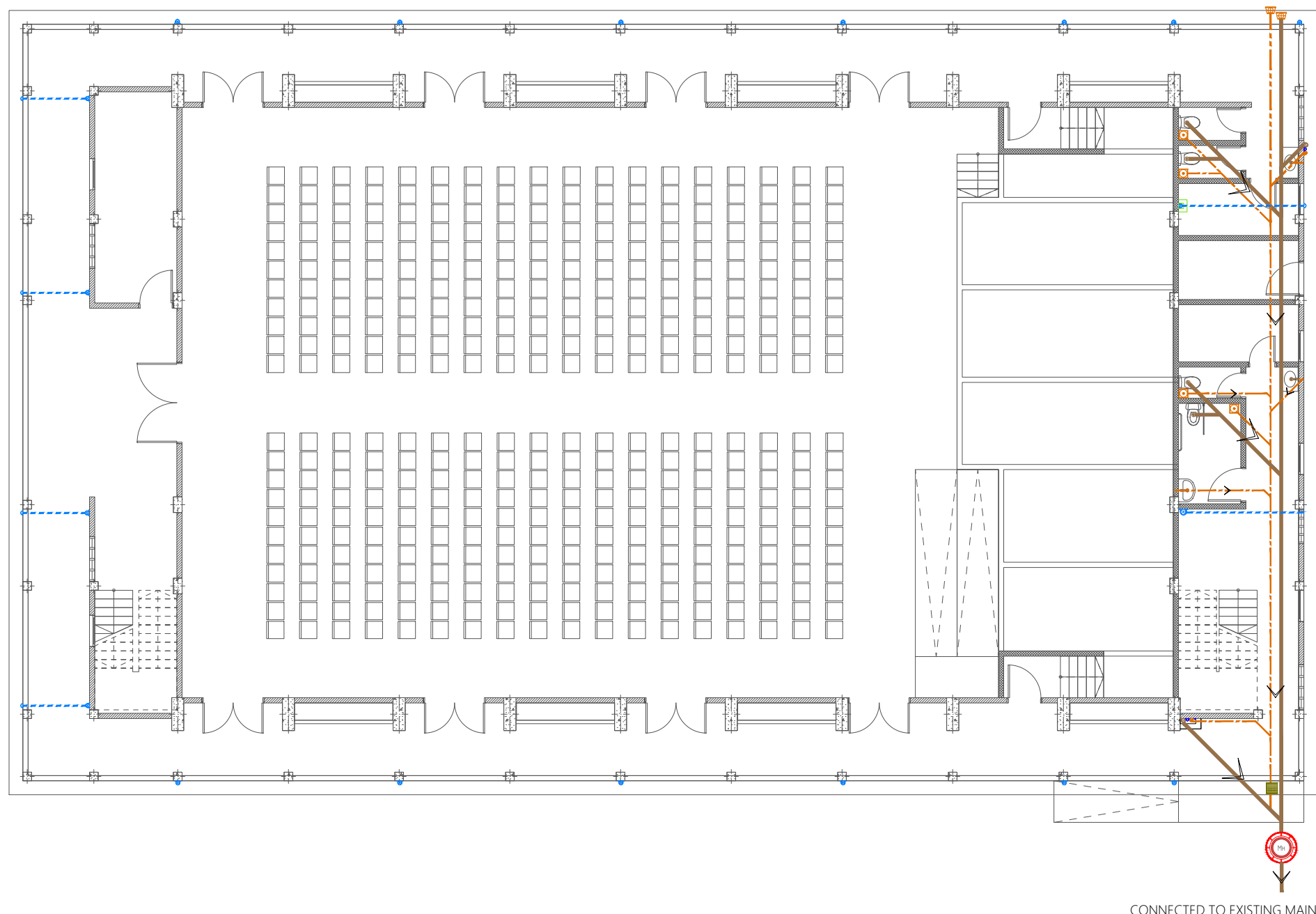
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Page: PL -03

- 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
 -  Manhole
 -  Gully Trap

Notes: -

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

-All Floor Drains Should Have 'P' Traps



GROUND FLOOR DRAINAGE LAYOUT

1:150

PROPOSED 03 STOREY

MULTIPURPOSE HALL AND EIGHT CLASSROOM BLOCK, SH. FEYDHOO

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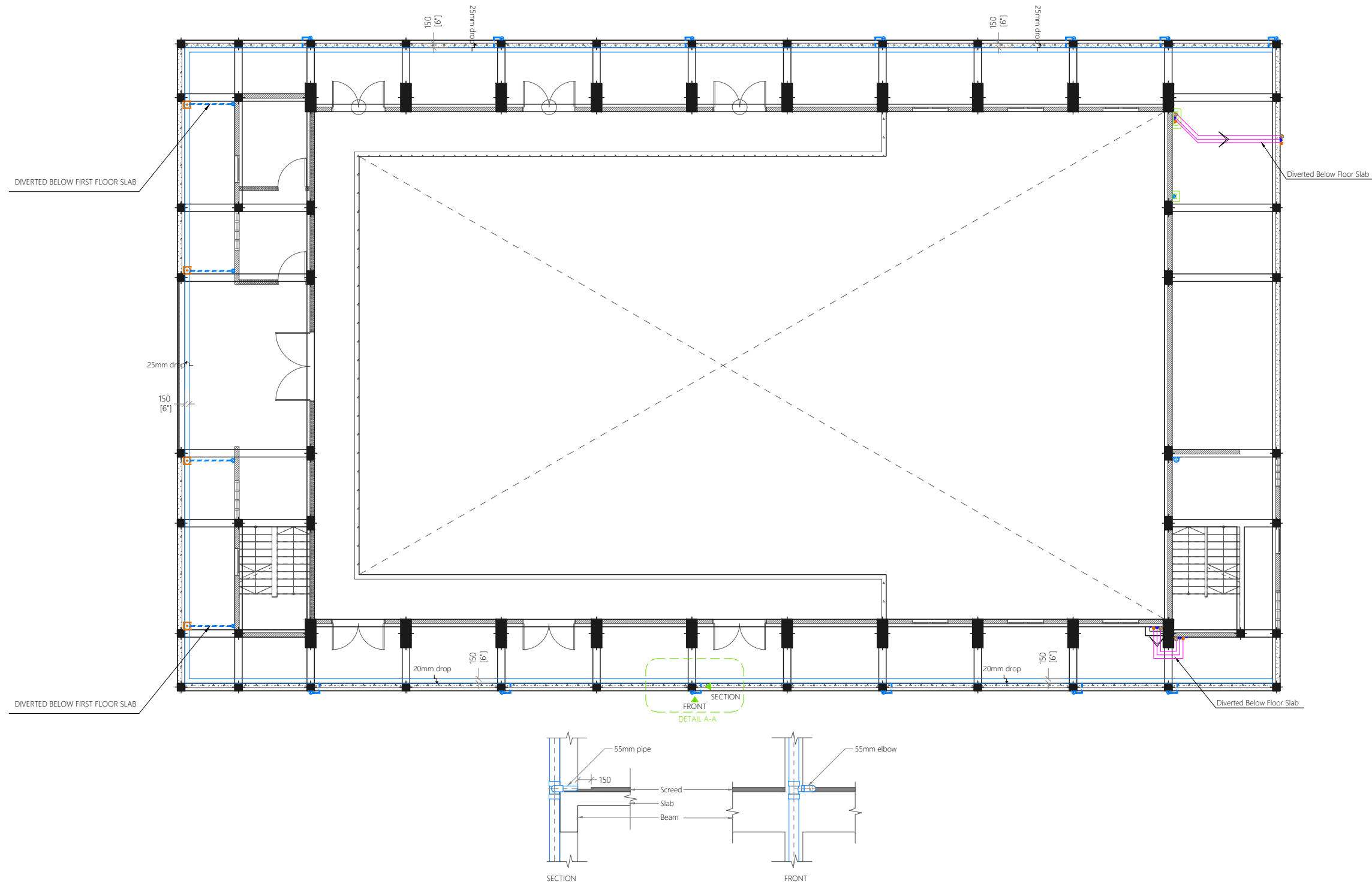
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Page:

DR -01

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
-  Manhole
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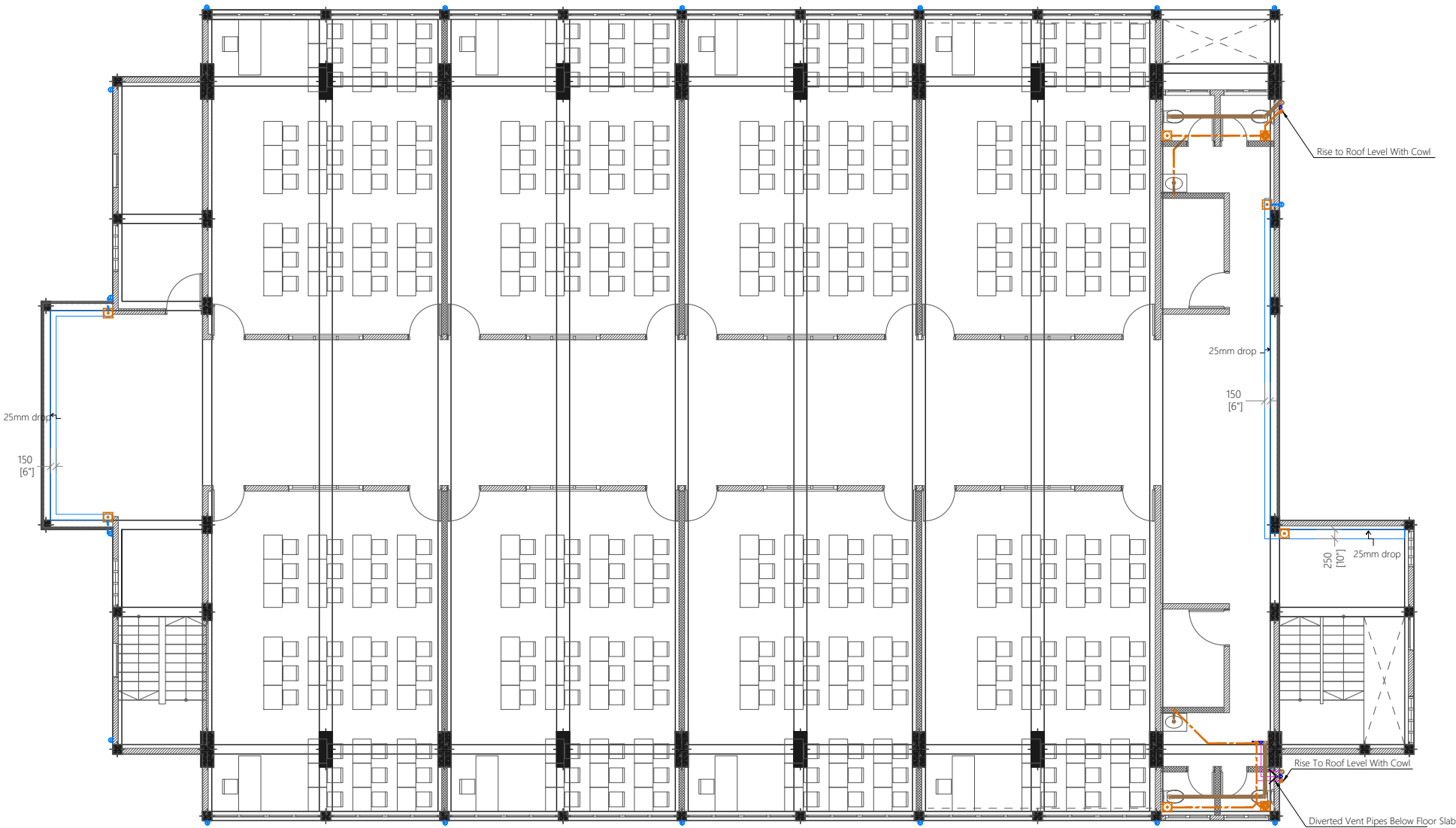
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FIRST FLOOR DRAINAGE LAYOUT

1:150

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)
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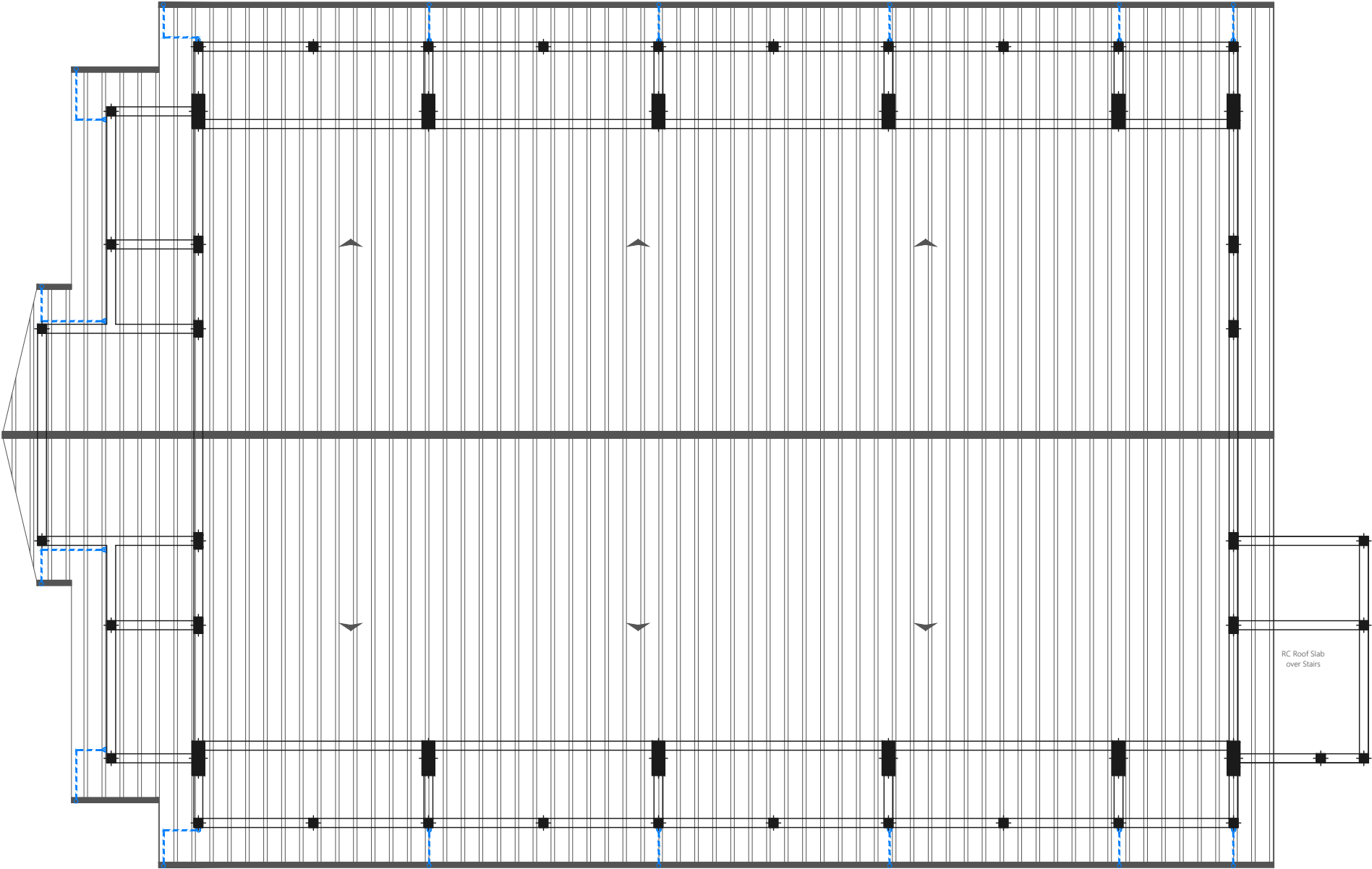
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Rev:	Page:
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Legend

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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)
-  40Ø Waste Pipe (uPVC Pipe)
-  63Ø Manhole Vent Pipe (uPVC Pipe)
-  110Ø Rain Water Pipes (uPVC Pipe)
-  Clean Out Point
-  Bottle Trap
-  Manhole
-  Gully Trap



ROOF DRAINAGE LAYOUT

1:150

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