

BUILDING SERVICES DRAWINGS OF
PROPOSED 02 STOREY BUILDING

MULTI-PURPOSE HALL, SH. MAAUGOODHOO

For Ministry Of Education












By Epoch Associates Pvt. Ltd



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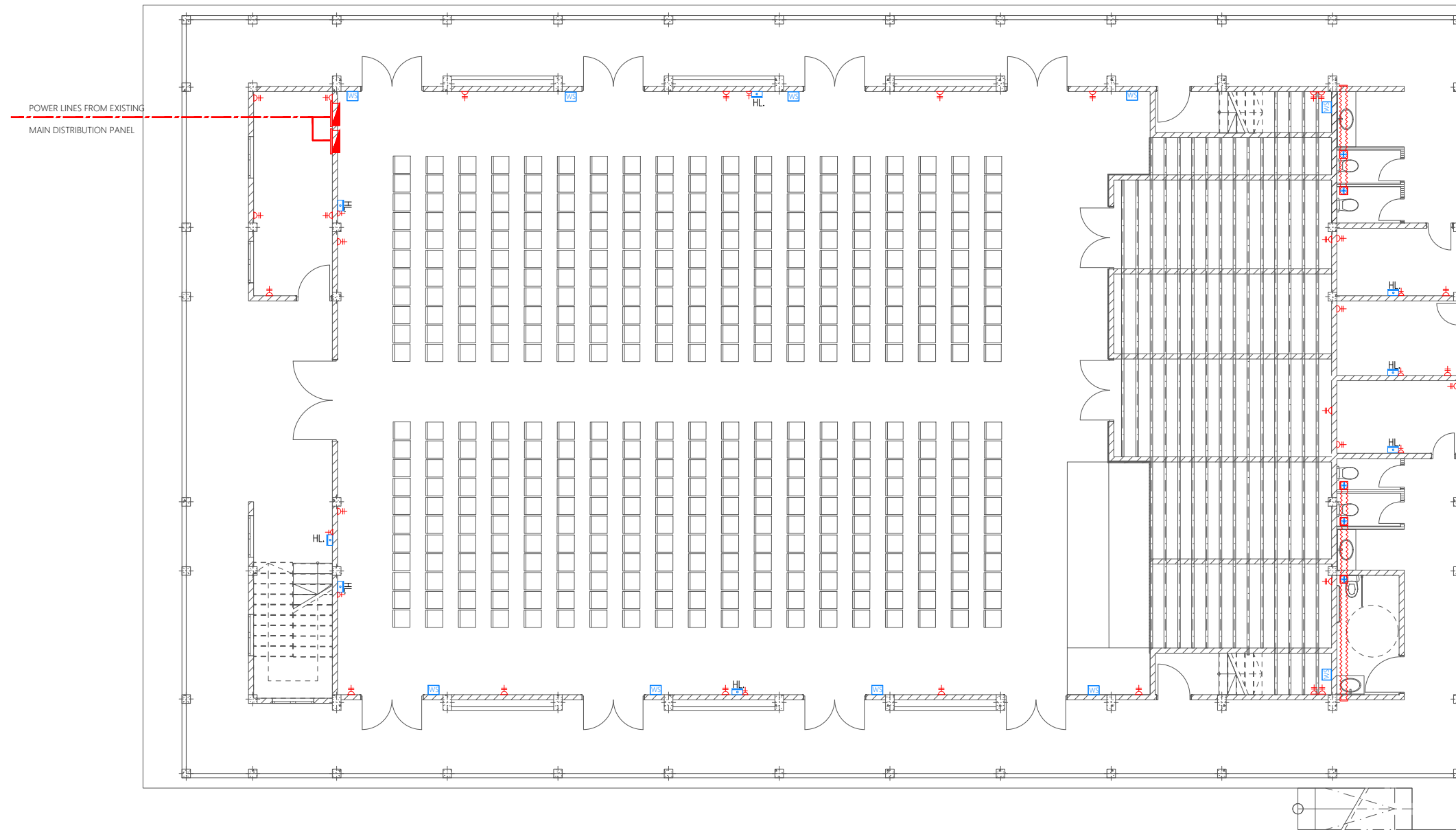
T: +960 333 3528 **E:** info@epoch.associates **W:** www.epoch.associates
A: 3rd Floor, G.Rosary West, Husnuheena Magu, Male' Republic of Maldives

Legend

-  13A Twin Socket
-  13A Power Socket
-  Distribution Board
-  HL. High Level
-  Telephone Outlet
-  Computer Network Outlet
-  Emergency Light
-  Wall Mounted Speaker
-  Public Address System
-  Main Incoming Cable For Power PVC Duct Below Ground
-  Ceiling Mounted Exhaust Fan 90m3/hr

Notes: -

- All Twin Sockets At 300mm From F.F.L. Except Stated Otherwise
- All Computer, Telephone Points At 300mm From F.F.L.



PROPOSED 02 STOREY BUILDING AT
MULTI PURPOSE HALL, SH. MAAUGOODHOO

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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---	PAC-01
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GROUND FLOOR POWER AND ACV LAYOUT

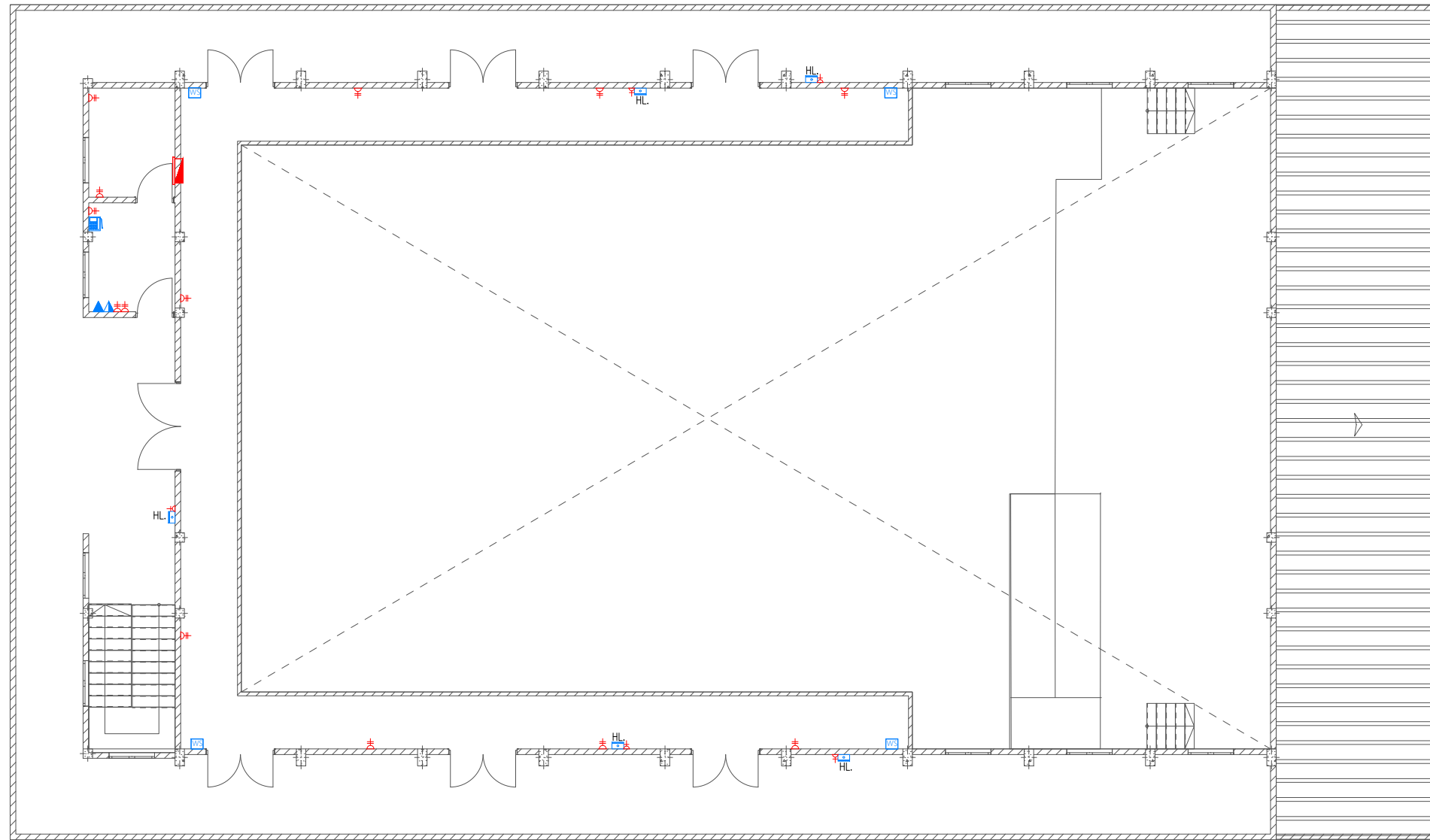
1:150

Legend

-  13A Twin Socket
-  13A Power Socket
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-  HL. High Level
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-  Main Incoming Cable For Power PVC Duct Below Ground

Notes: -

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- All Computer, Telephone Points At 300mm From F.F.L.



FIRST FLOOR POWER AND ACV LAYOUT

1:150

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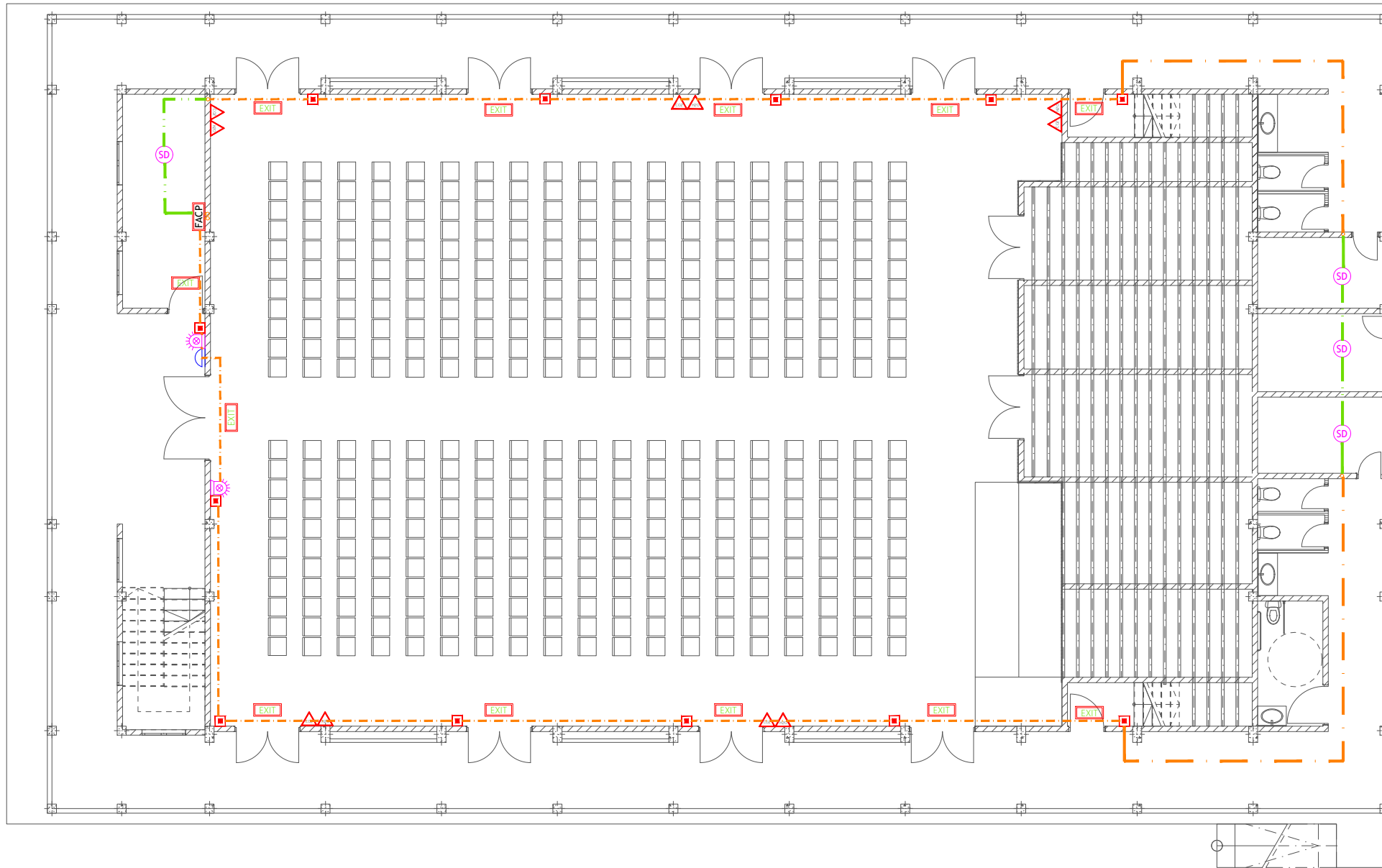
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Rev:	Page:
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---	PAC-02
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Legend

-  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)
-  Fire Alarm Control Panel
-  End Of Line Resistance
-  Exit Sign



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Rev:	Page:
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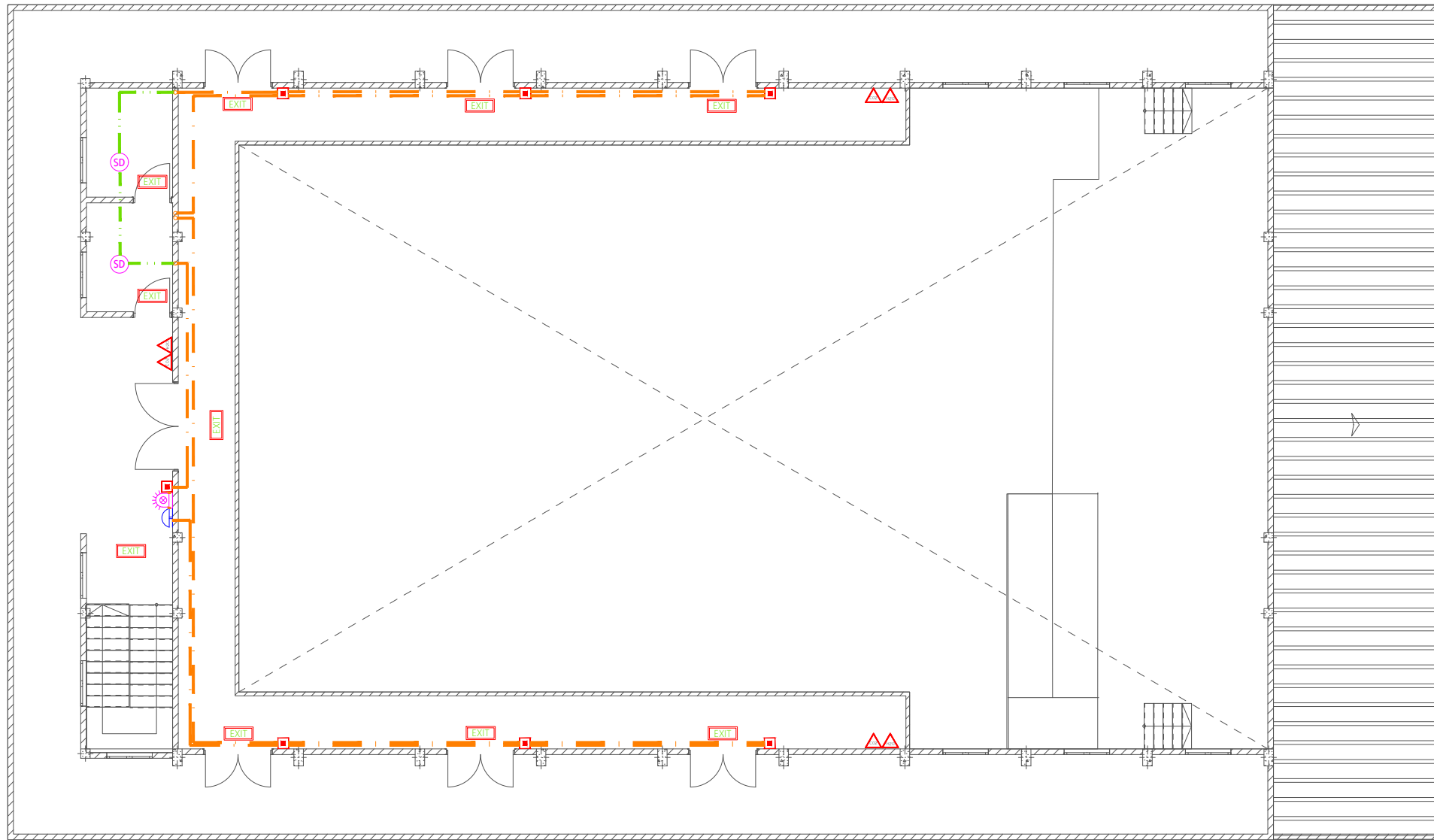
FDP -01

GROUND FLOOR FDP LAYOUT

1:150

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.)
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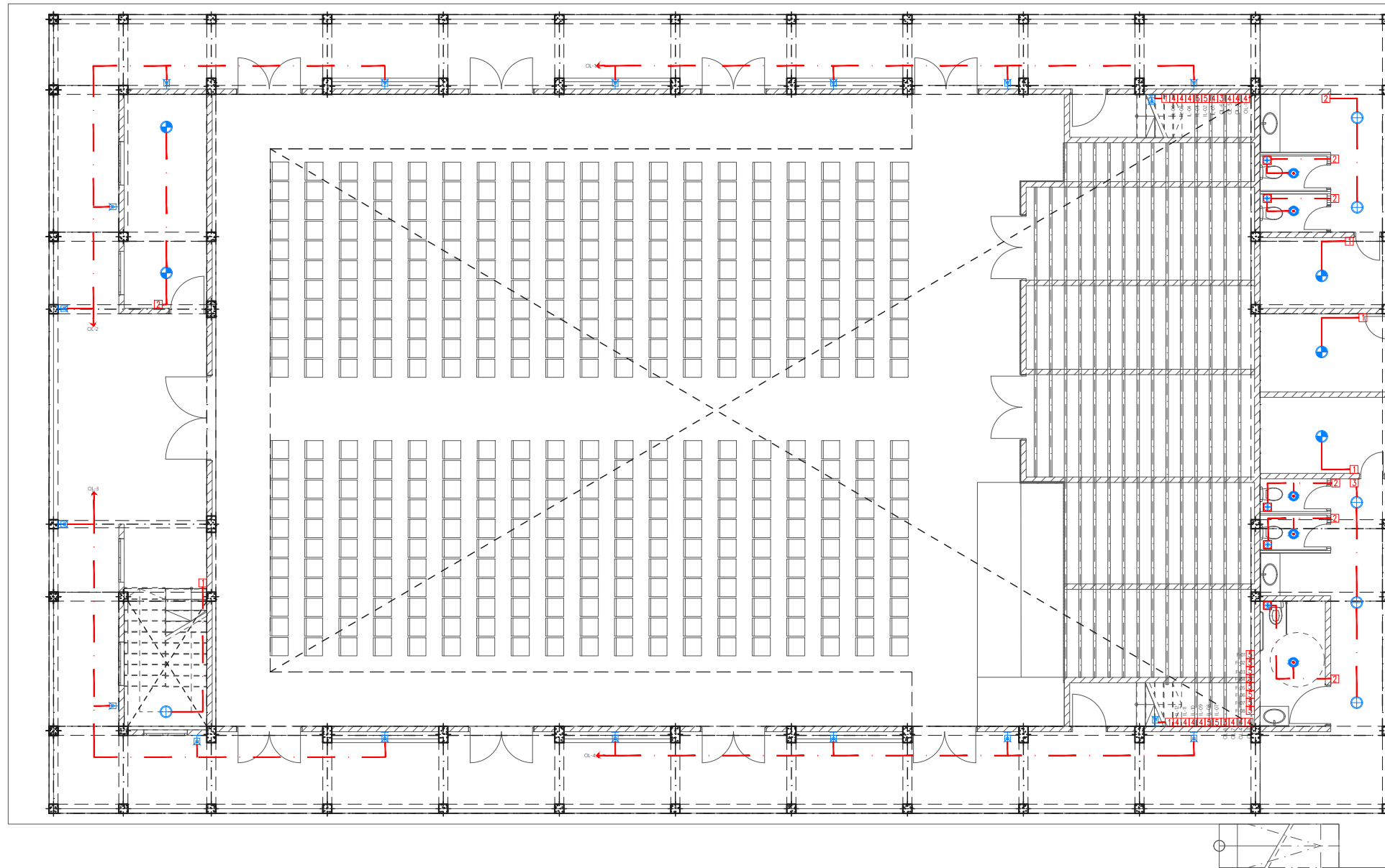
Rev:	Page:
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FIRST FLOOR FDP LAYOUT

1:150

Legend

-  Ceiling Light (18W)
-  Ceiling Light (12W)
-  Recessed Ceiling Light (12W)
-  Weather Proof Wall Light IP55 (12W)
-  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



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


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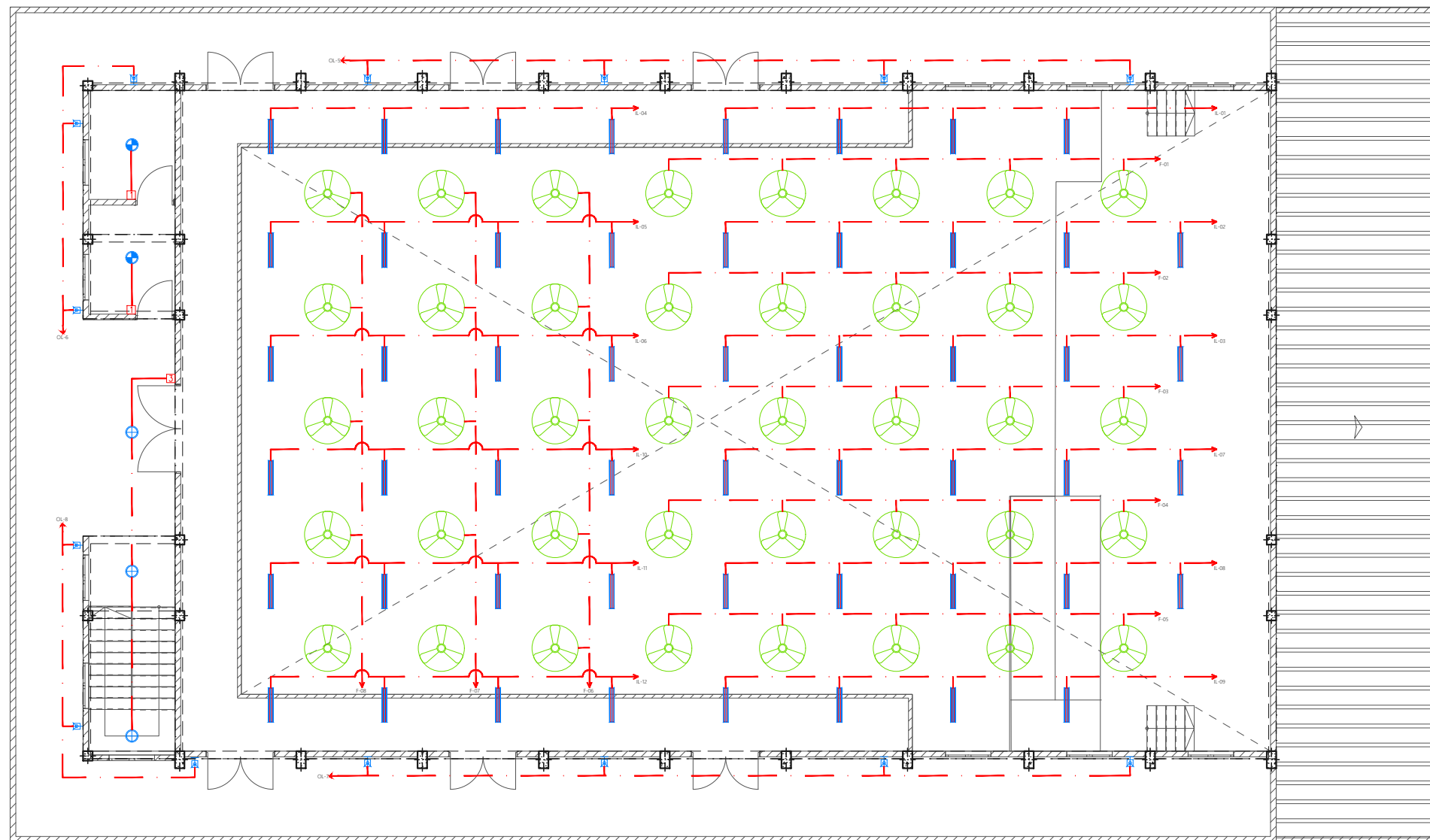
Rev:	Page:
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GROUND FLOOR LIGHTING LAYOUT

1:150

Legend

-  Ceiling Light (18W)
-  Ceiling Light (12W)
-  Recessed Ceiling Light (12W)
-  Weather Proof Wall Light IP55 (12W)
-  2 x 50W PLL Tube Light
-  Light and Fan Switch (1 Gang - 5 Gang)
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Rev:	Page:
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FIRST FLOOR LIGHTING LAYOUT

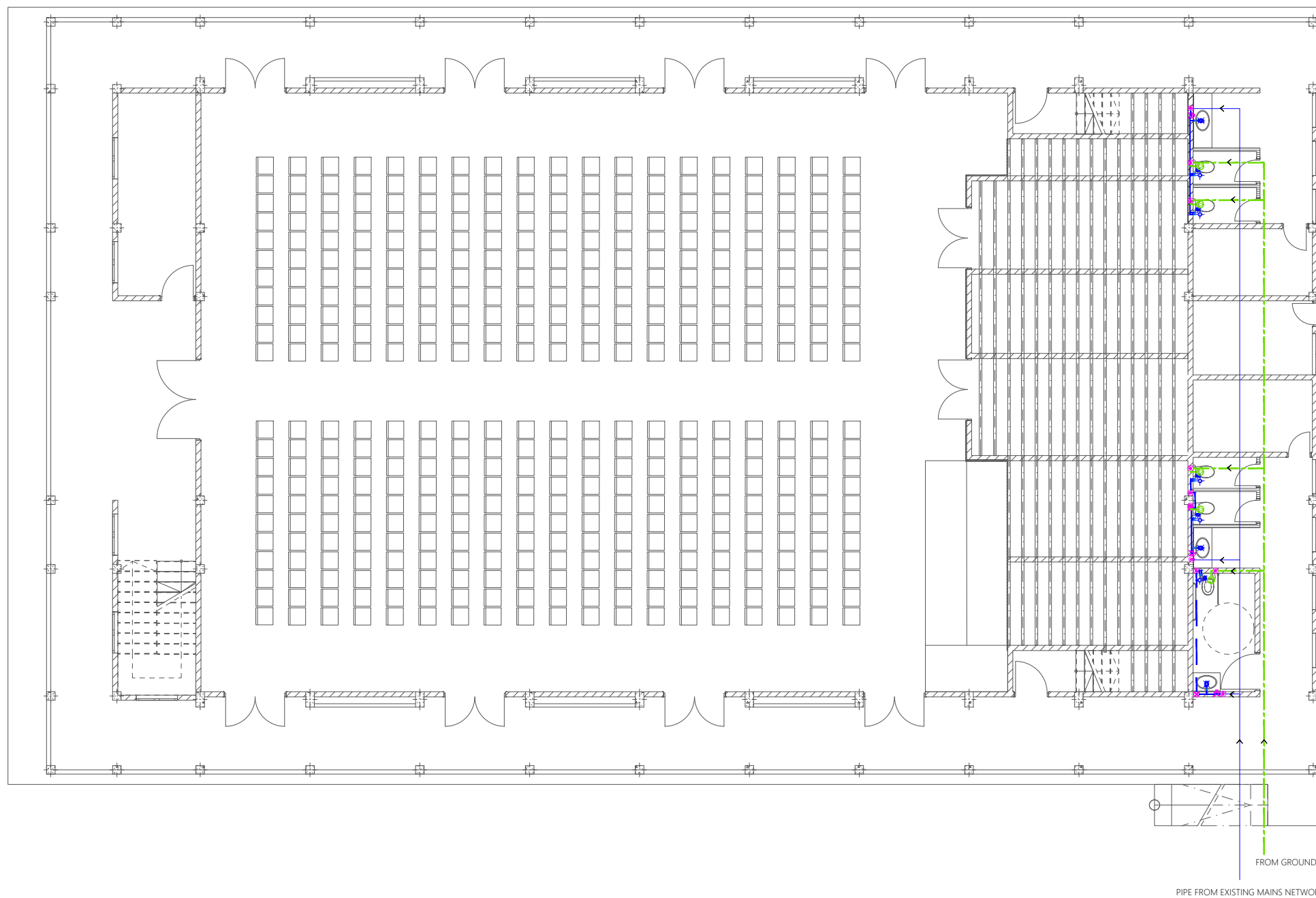
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Legend

-  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 Running Above False Ceiling

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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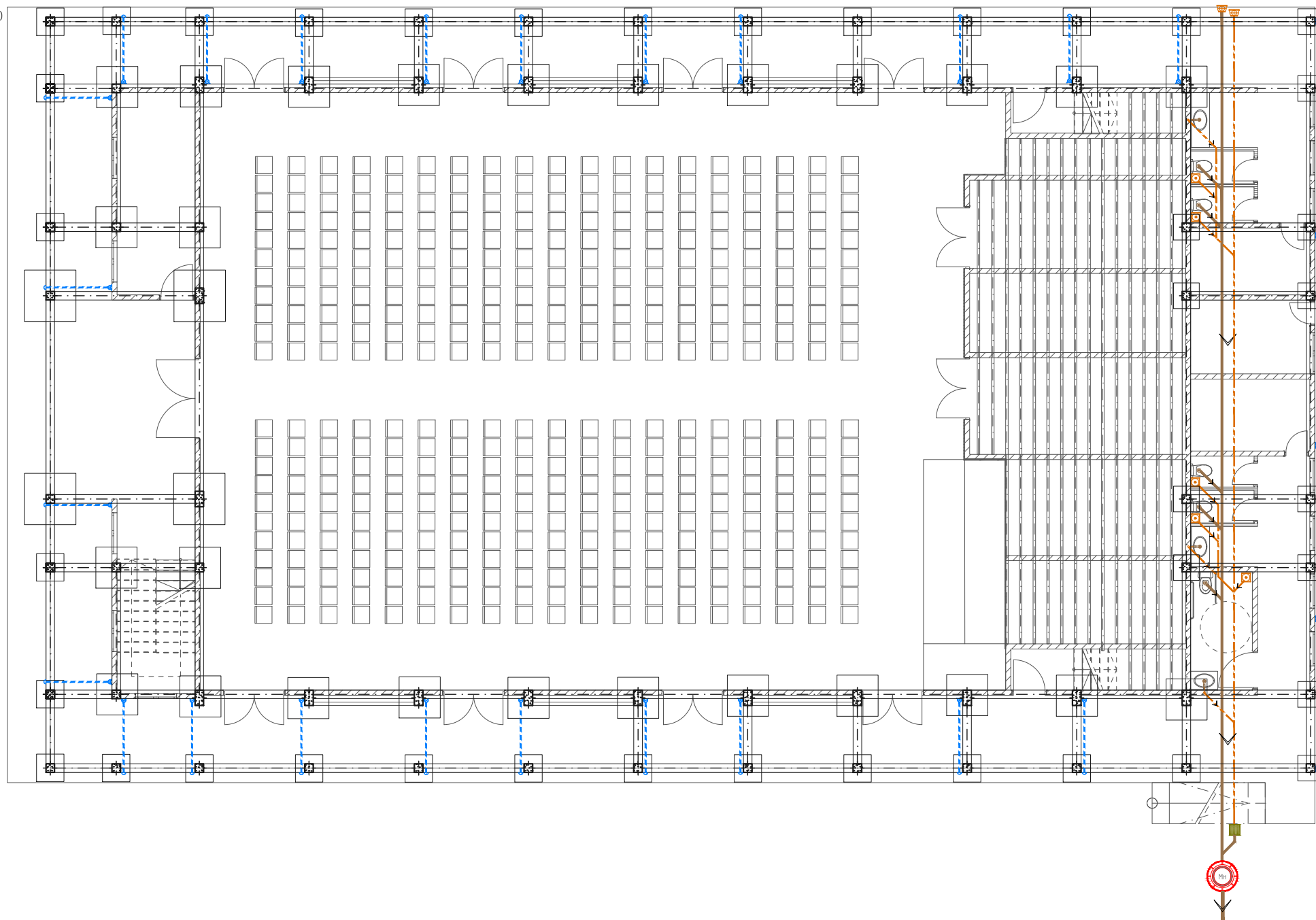
PL -01

Legend

-  Floor Drain
-  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)
-  Manhole
-  Gully Trap
-  110Ø Rainwater Outlet
-  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

1:150

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Rev:	Page:
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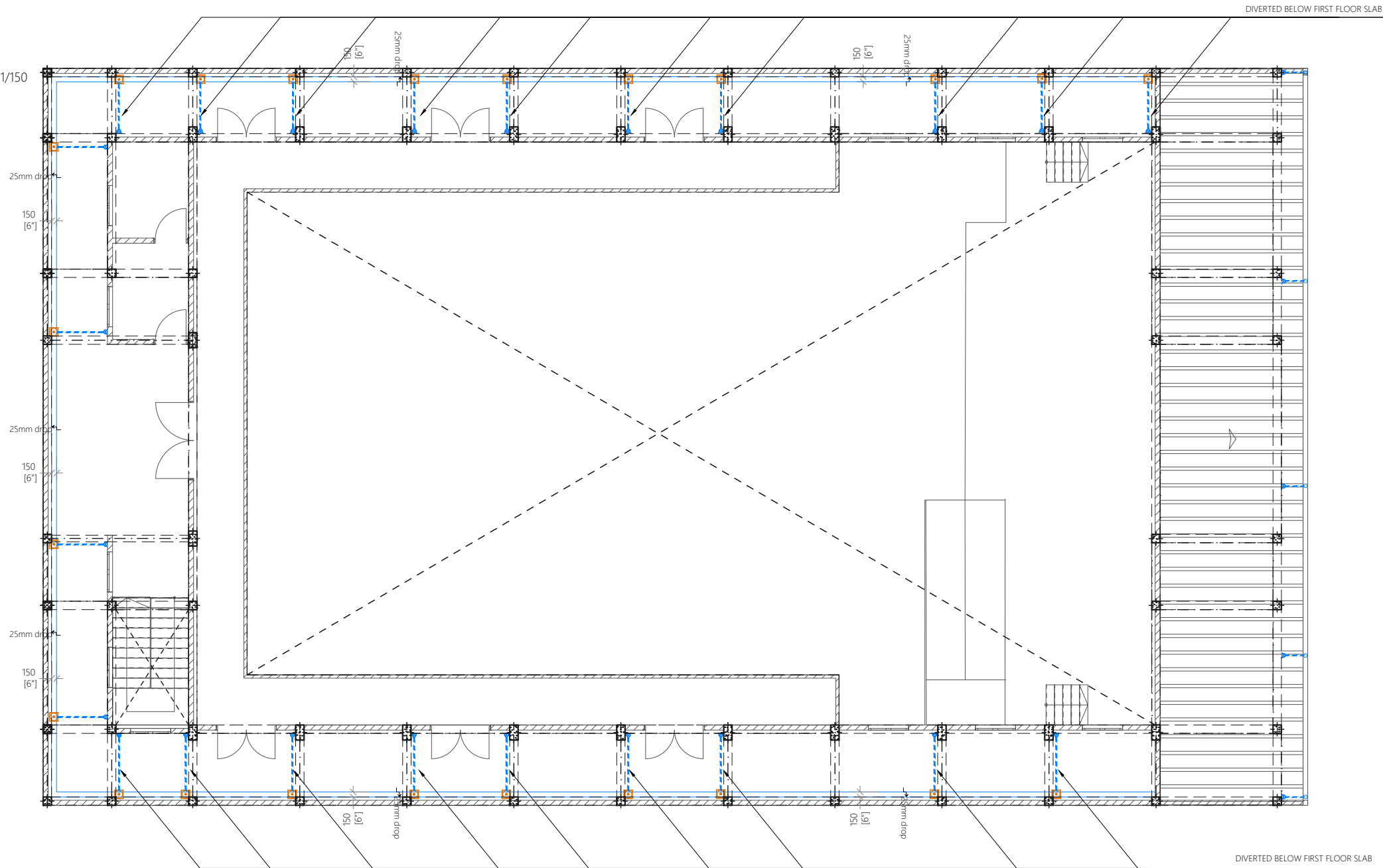
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-  Manhole
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Rev:	Page:
---	DR -02
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FIRST FLOOR DRAINAGE LAYOUT

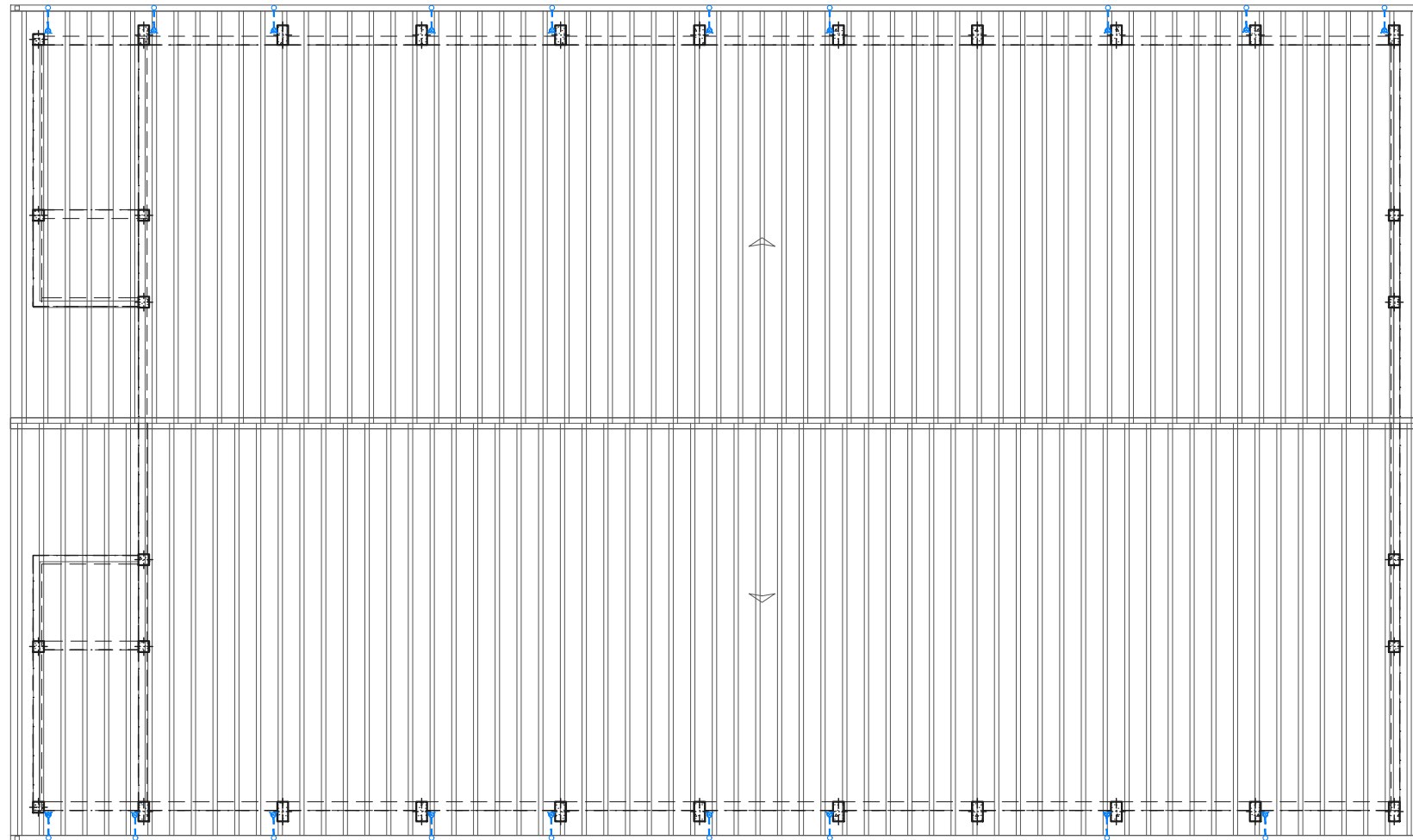
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Legend

-  Floor Drain
-  110Ø Soil Pipe (uPVC Pipe)
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Rev:	Page:
---	DR -03
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ROOF DRAINAGE LAYOUT

1:150