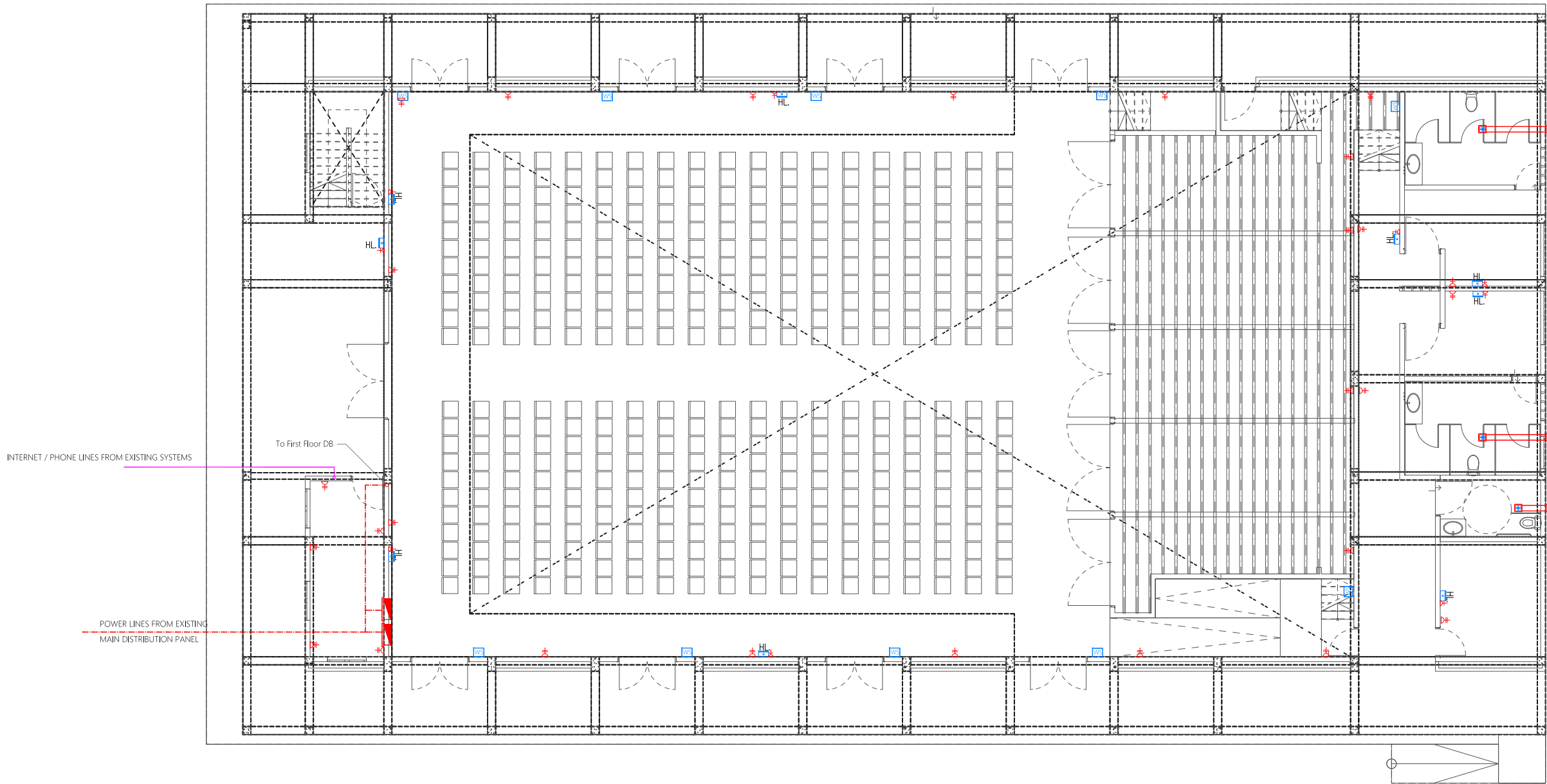




K.Vilimale Multipurpose Hall

BUILDING SERVICES DRAWINGS

Ministry of Education, 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
- Conduit for Internet/Phone Cable
- 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.

GROUND FLOOR POWER AND ACV LAYOUT

1:150

Proposed 02 Storey Building At

K. Vilimale Multipurpose Hall

Client

Ministry of Education, Maldives

31/07/2022

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Checked By **Mohamed Rassam**

Drawn By **Mohamed Rassam**



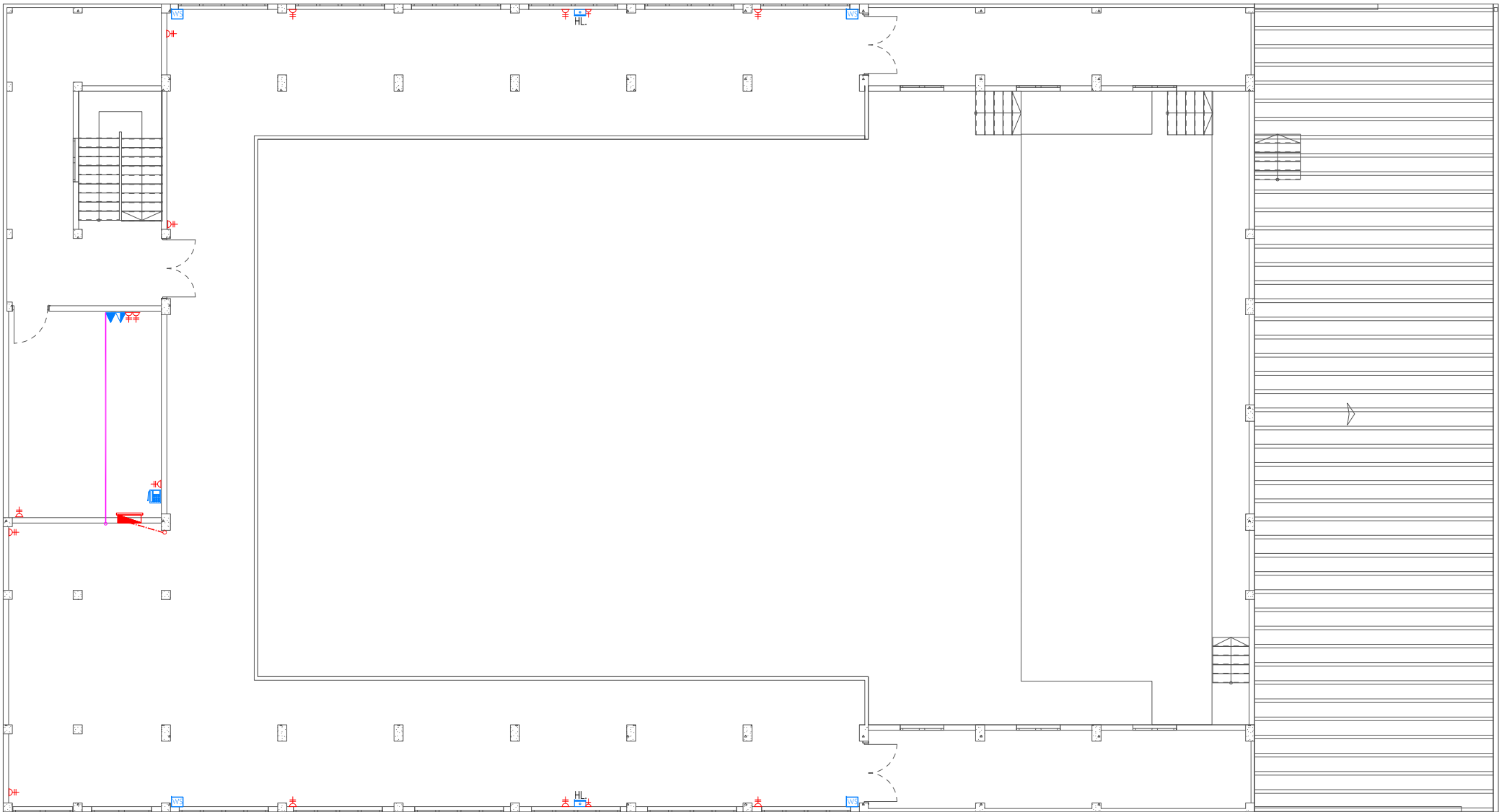
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PAC-01



Legend

- 13A Twin Socket
- 13A Power Socket
- Distribution Board
- HL. High Level
- Telephone Outlet
- Computer Network Outlet
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Notes: -
- All Twin Sockets At 300mm From F.F.L. Except Stated Otherwise
- All Computer, Telephone Points At 300mm From F.F.L.

FIRST FLOOR POWER AND ACV LAYOUT

1:150

Proposed 02 Storey Building At

K. Vilimale Multipurpose Hall

Client
Ministry of Education, Maldives

31/07/2022

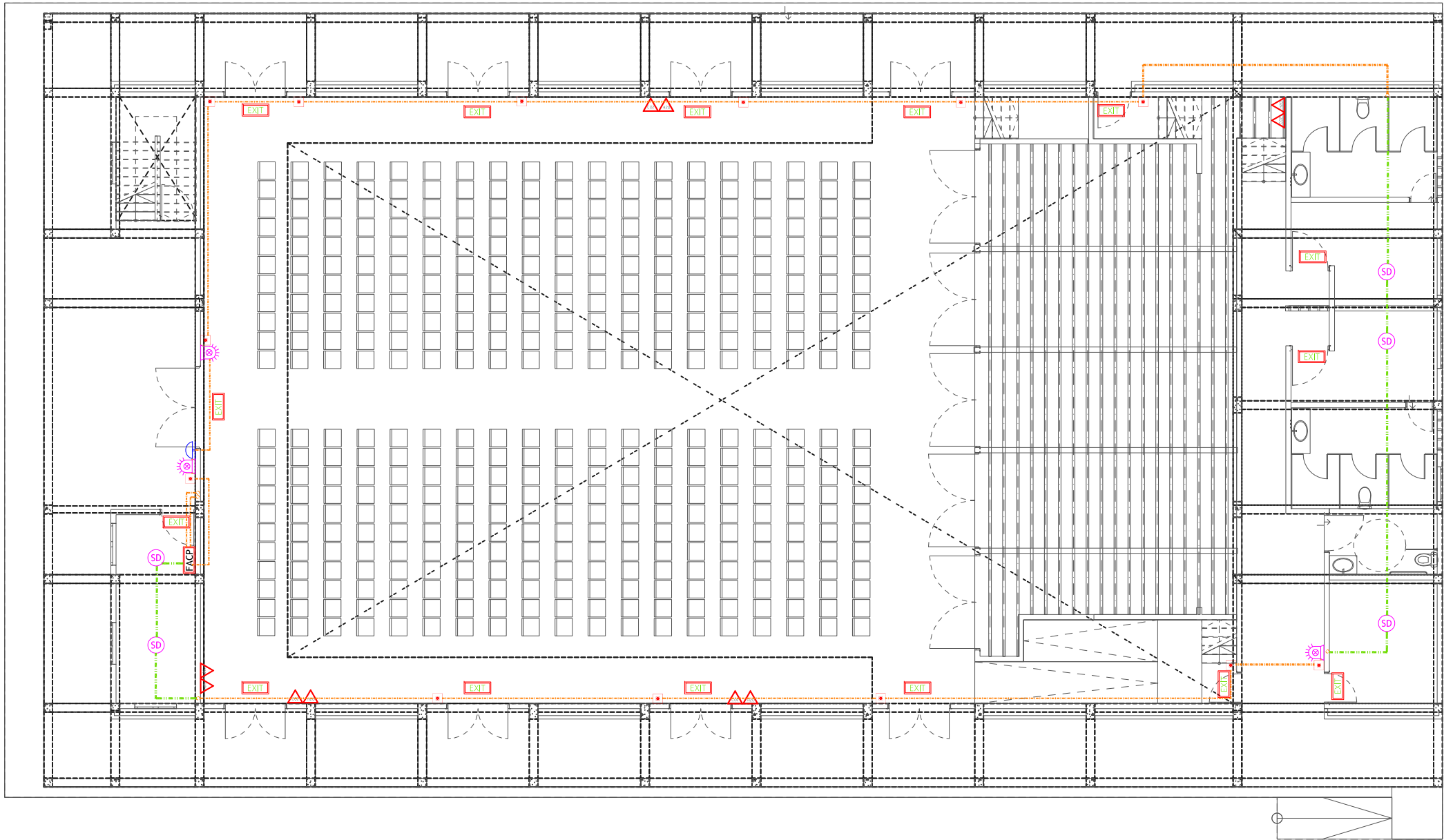
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PAC-02



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 (Running Underground)
-  2.5mm² Fire Retardant Low Smoke (FRLS) Cables In FRLS Conduits (Above False Ceiling or Through Slab)
-  Fire Alarm Control Panel
-  Exit Sign

Proposed 02 Storey Building At

**K. Vilimale
Multipurpose Hall**

Client

Ministry of Education, Maldives

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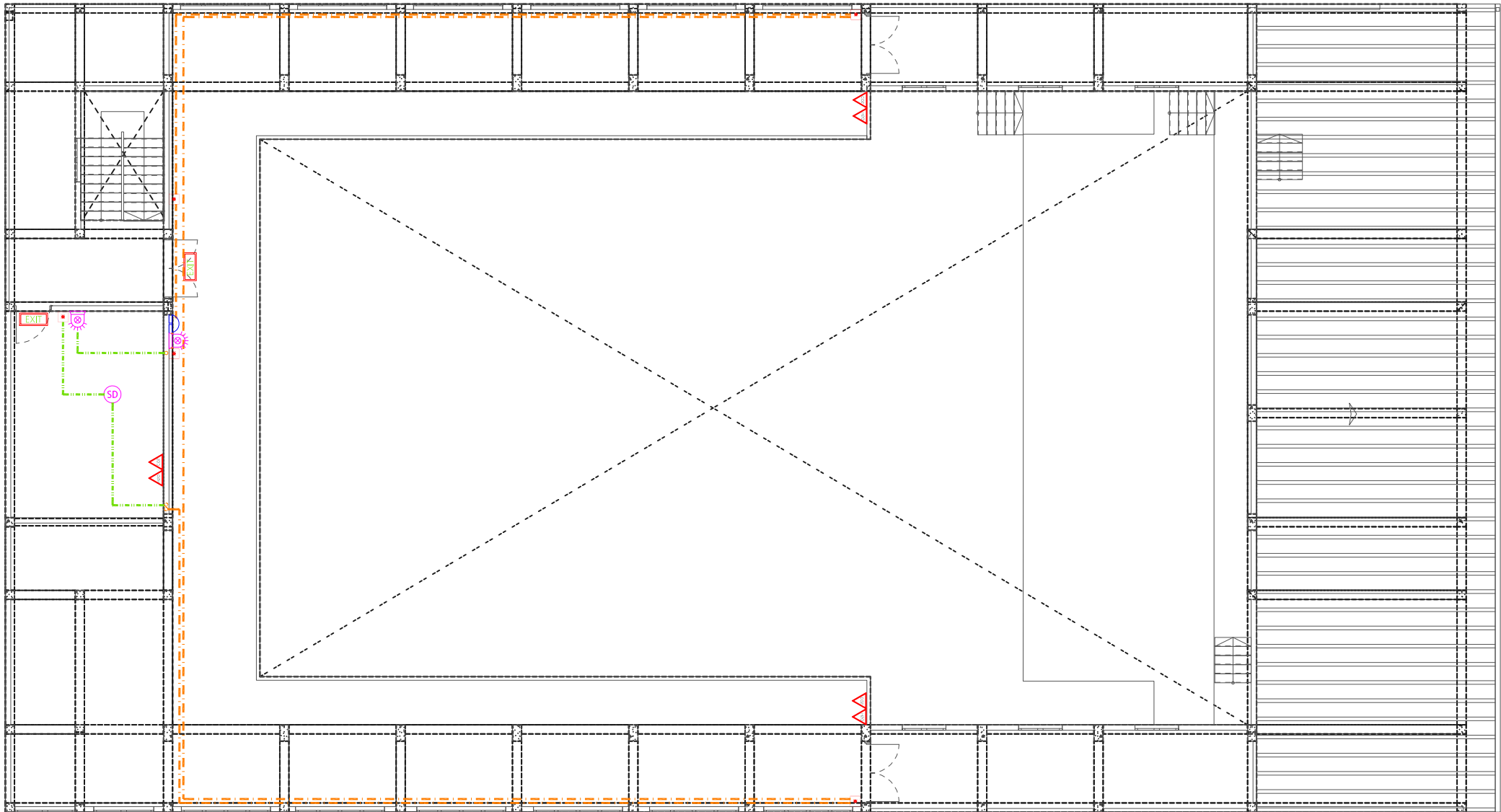
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GROUND FLOOR FDP LAYOUT

1:150

FDP-01



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 (Running Underground)
-  2.5mm² Fire Retardant Low Smoke (FRLS) Cables In FRLS Conduits (Above False Ceiling or Through Slab)
-  Fire Alarm Control Panel
-  Exit Sign

Proposed 02 Storey Building At

**K. Vilimale
Multipurpose Hall**

Client

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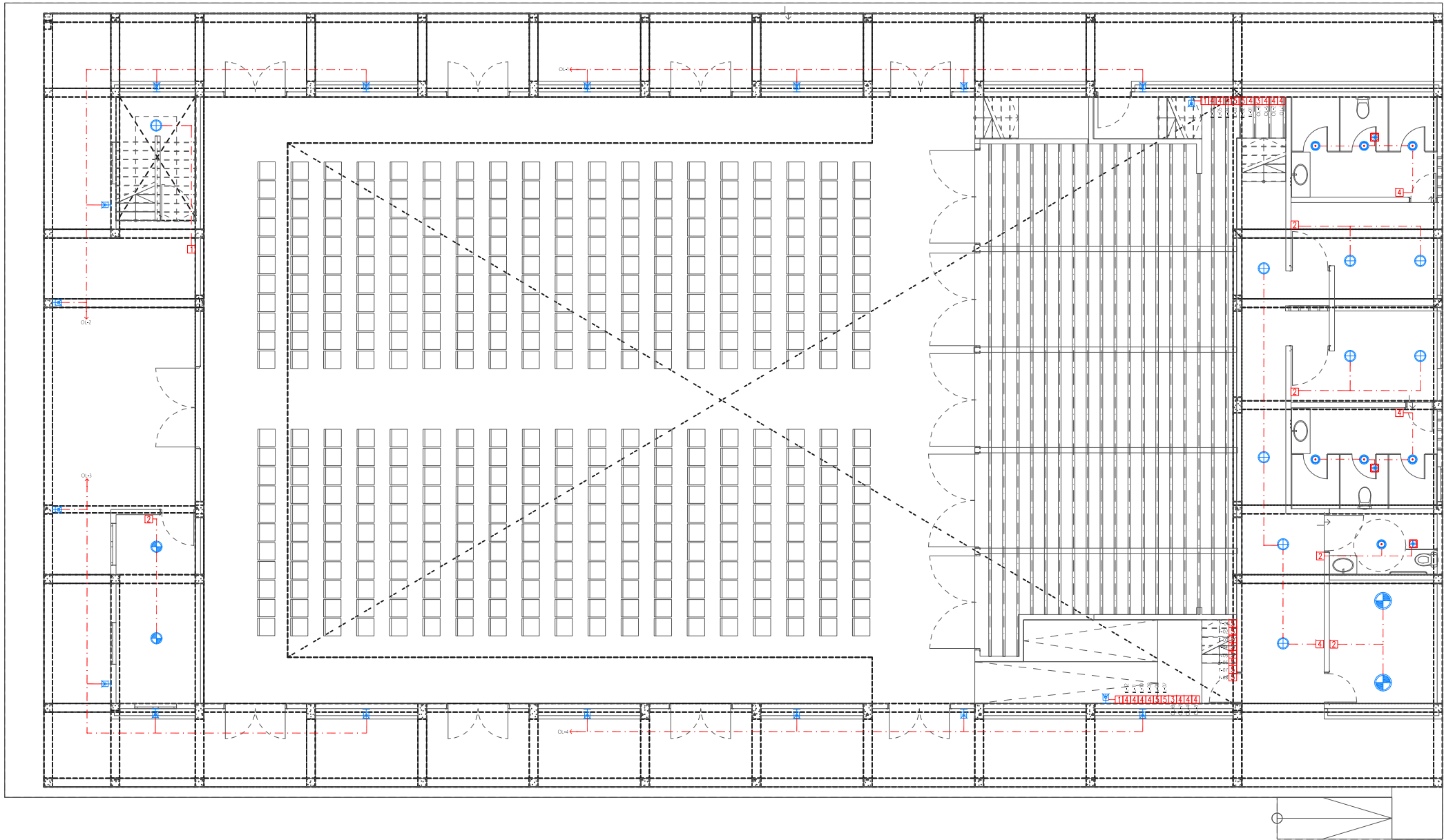
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FIRST FLOOR FDP LAYOUT

1:150

FDP-02



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

Proposed 02 Storey Building At

K. Vilimale Multipurpose Hall

Client

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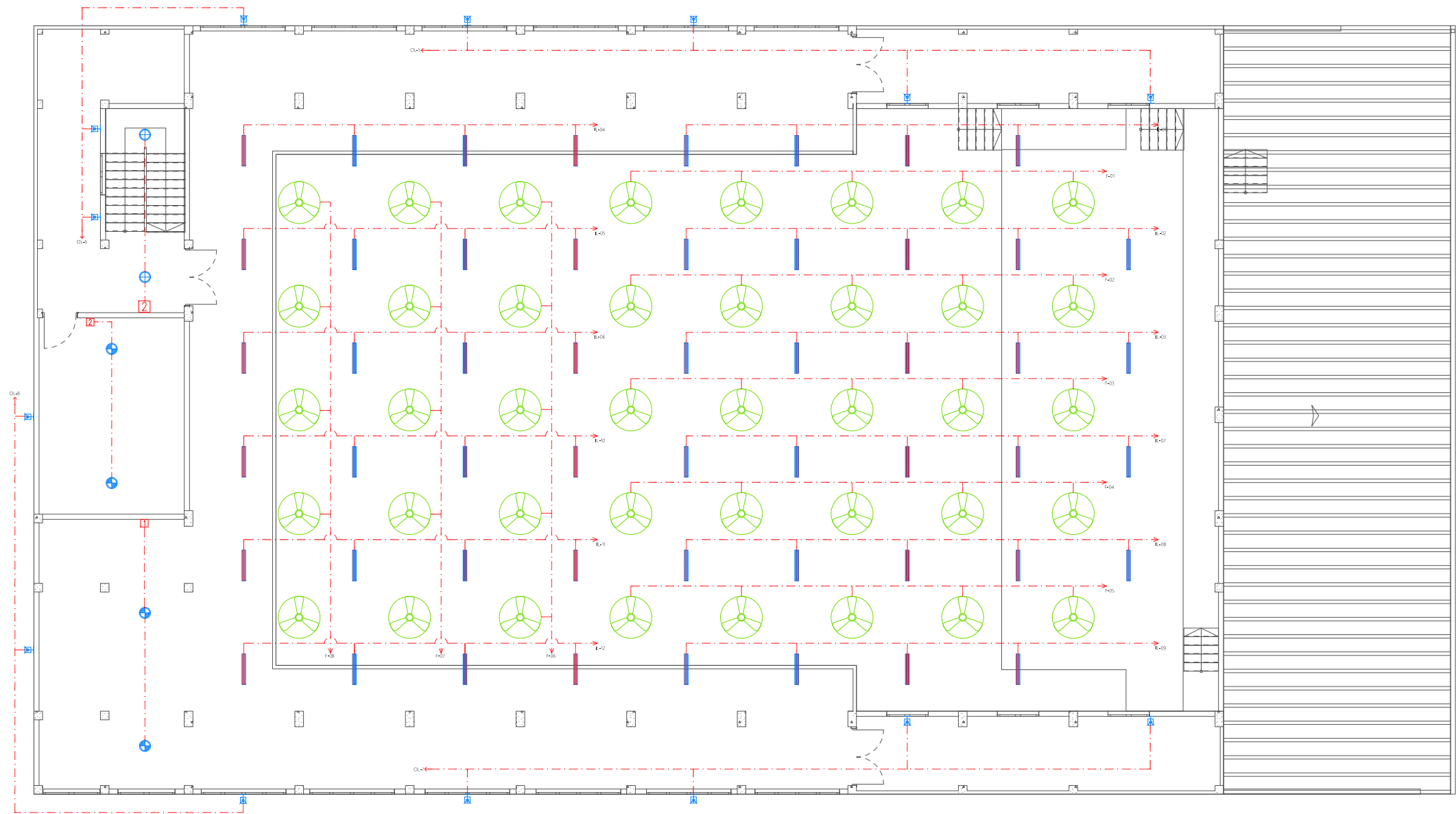
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


EL-01

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)
-  42" To 48" Ceiling Fan
-  Ceiling Mounted Exhaust Fan 90m3/hr

Proposed 02 Storey Building At

K. Vilimale Multipurpose Hall

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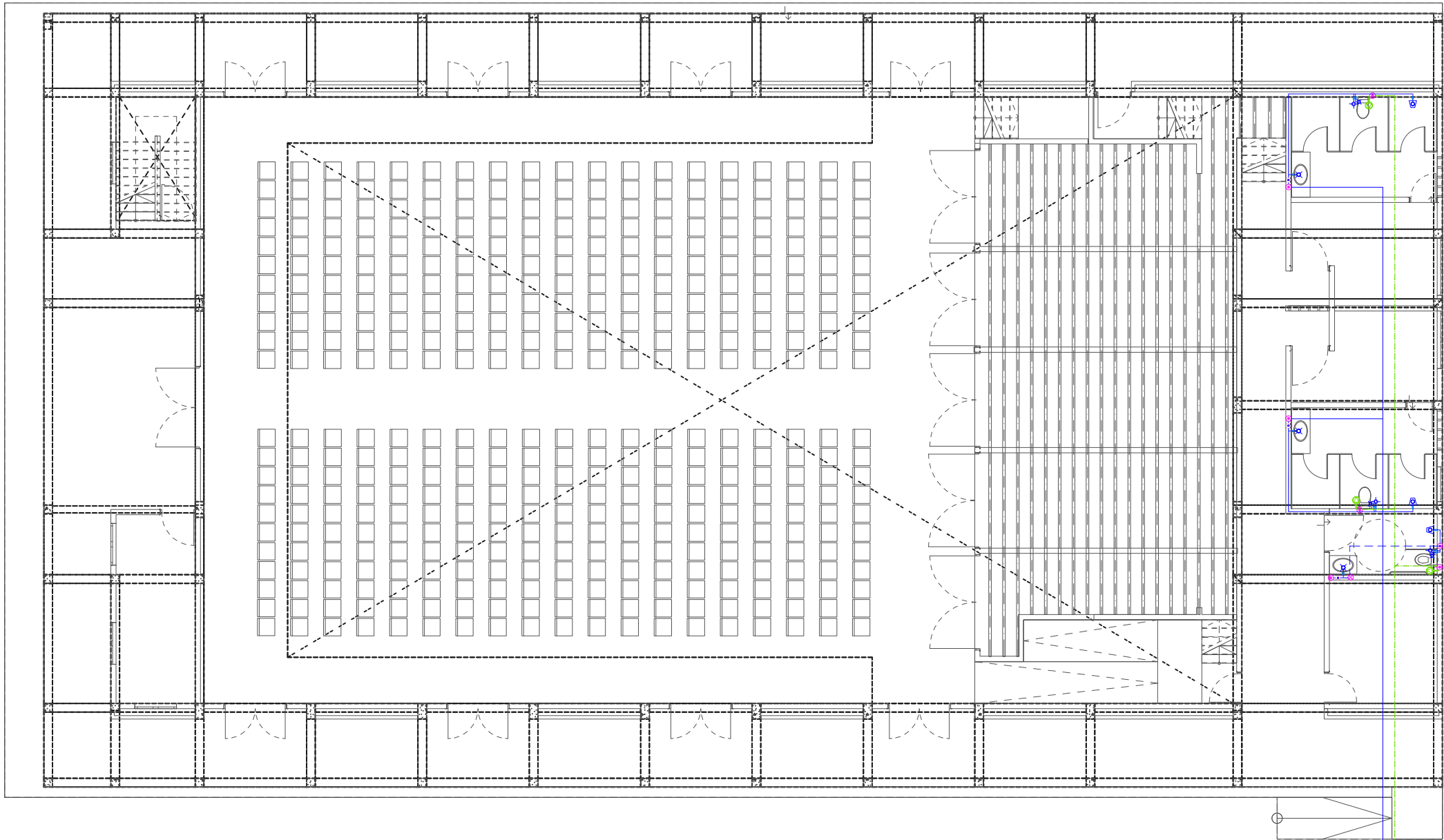
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FIRST FLOOR LIGHTING LAYOUT

1:150

EL-02



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 Head Shower
- 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

Proposed 02 Storey Building At

**K. Vilimale
Multipurpose Hall**

Client

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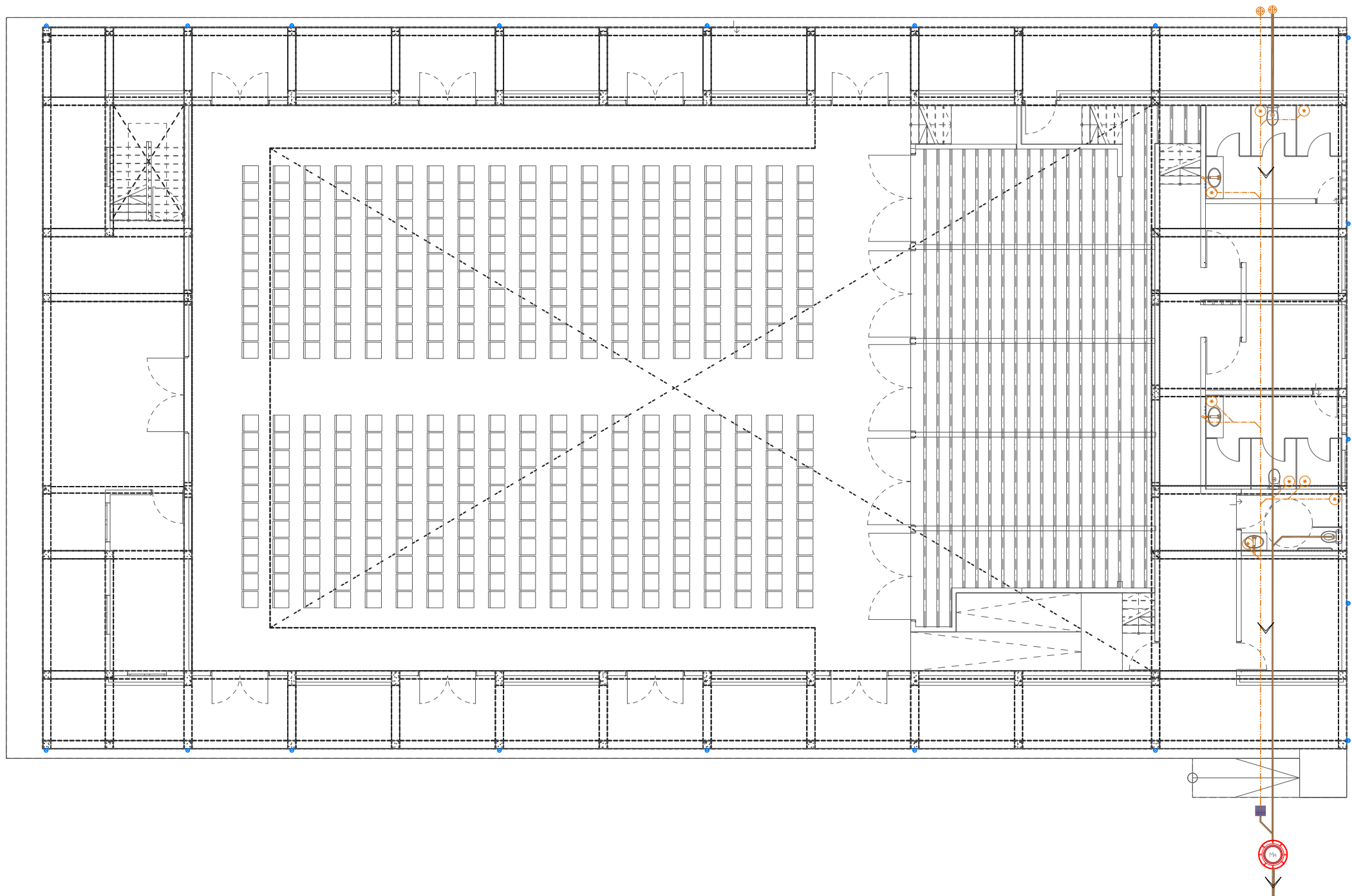
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PL-01

GROUND FLOOR PLUMBING LAYOUT

1:150



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
- ⊗ Rodding Eye
- ⊗ 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

Proposed 02 Storey Building At

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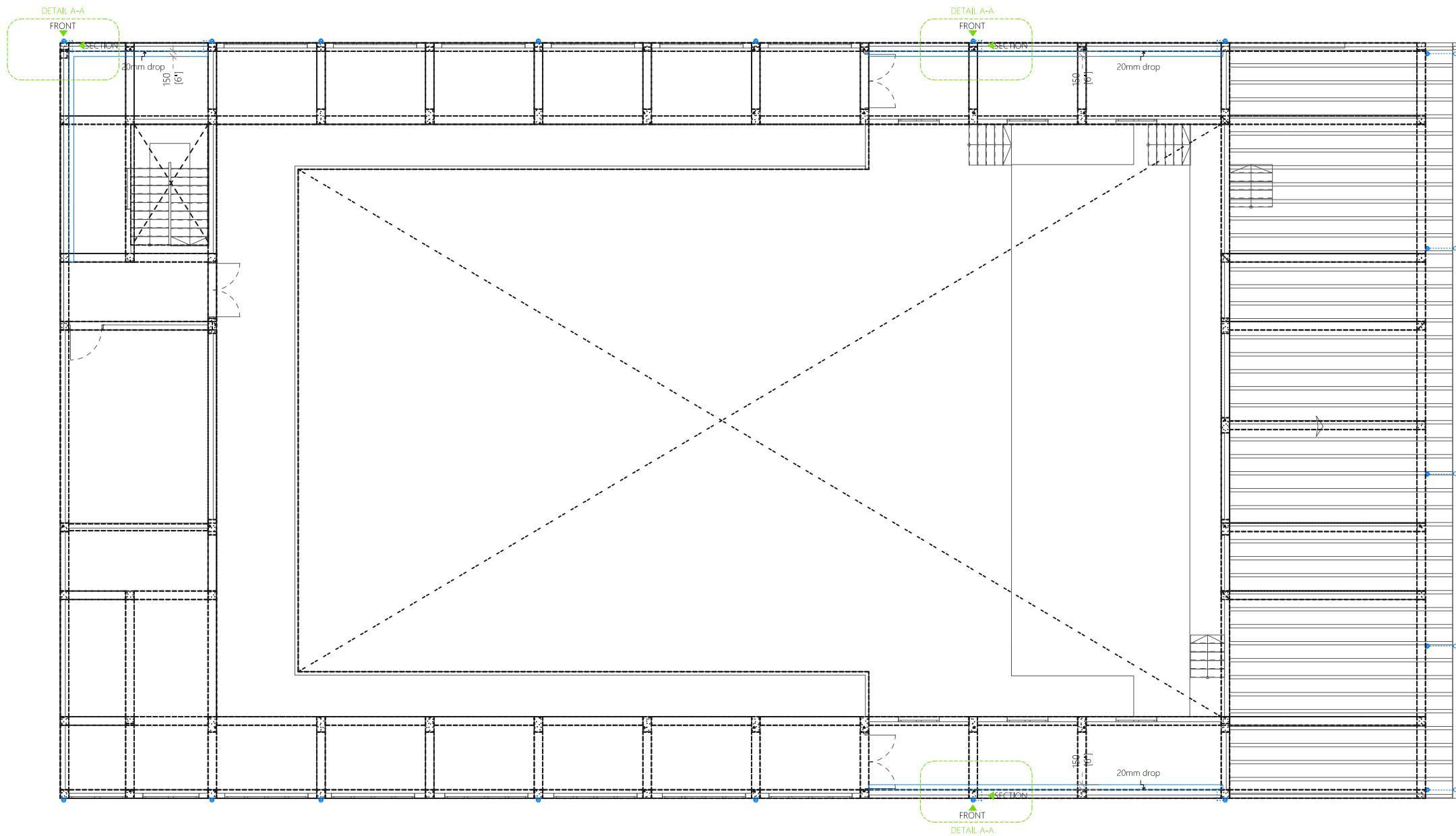
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DR-01

GROUND FLOOR DRAINAGE LAYOUT

1:150

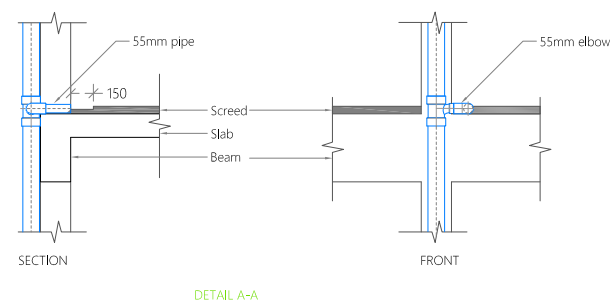


Legend

-  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
-  Rodding Eye
-  Bottle Trap

Notes: -

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



DETAIL A-A

FIRST FLOOR DRAINAGE LAYOUT

1:150

Proposed 02 Storey Building At

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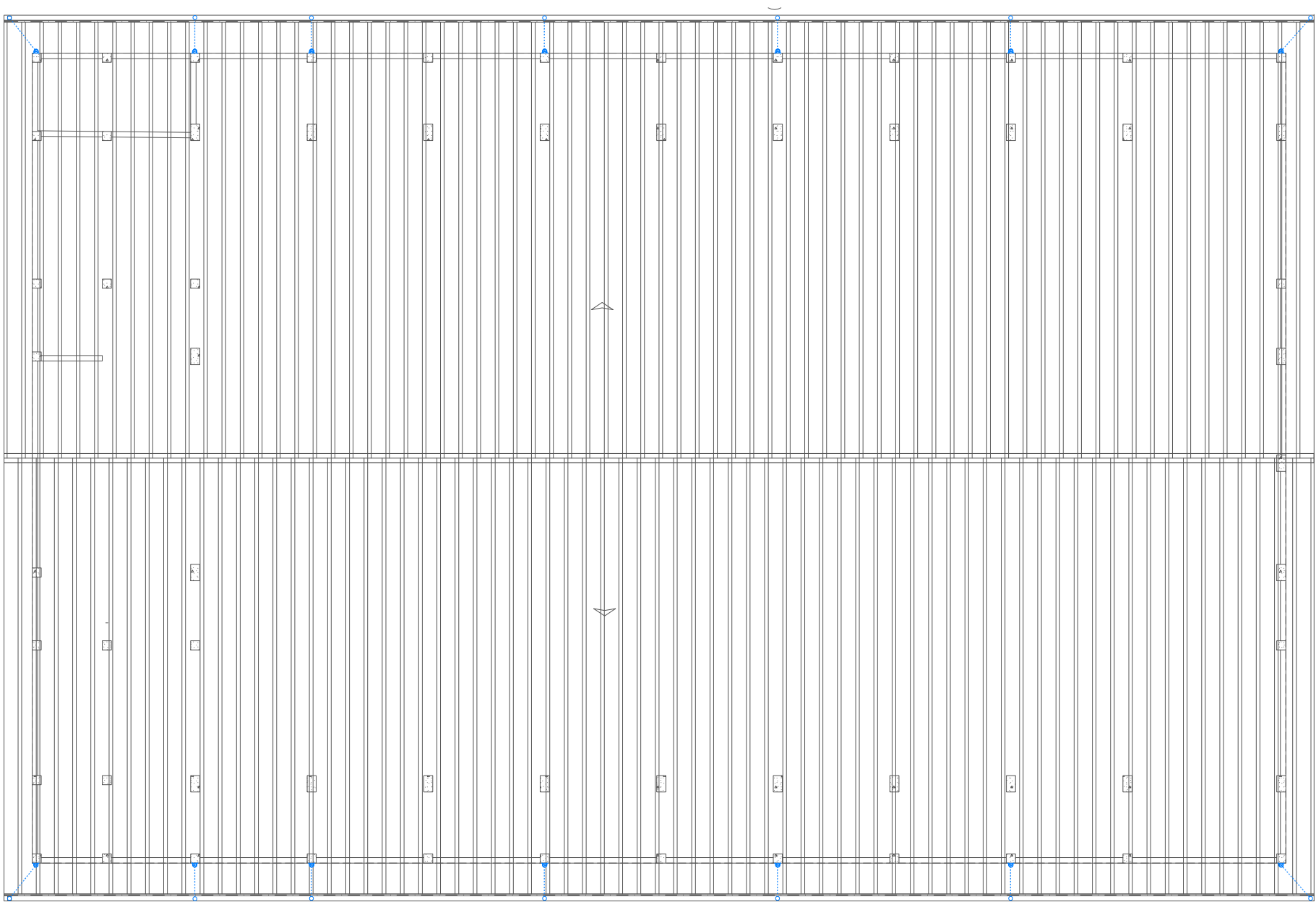
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DR-02



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
-  Rodding Eye
-  Bottle Trap

Notes: -

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

Proposed 02 Storey Building At

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ROOF DRAINAGE LAYOUT

1:150

DR-03