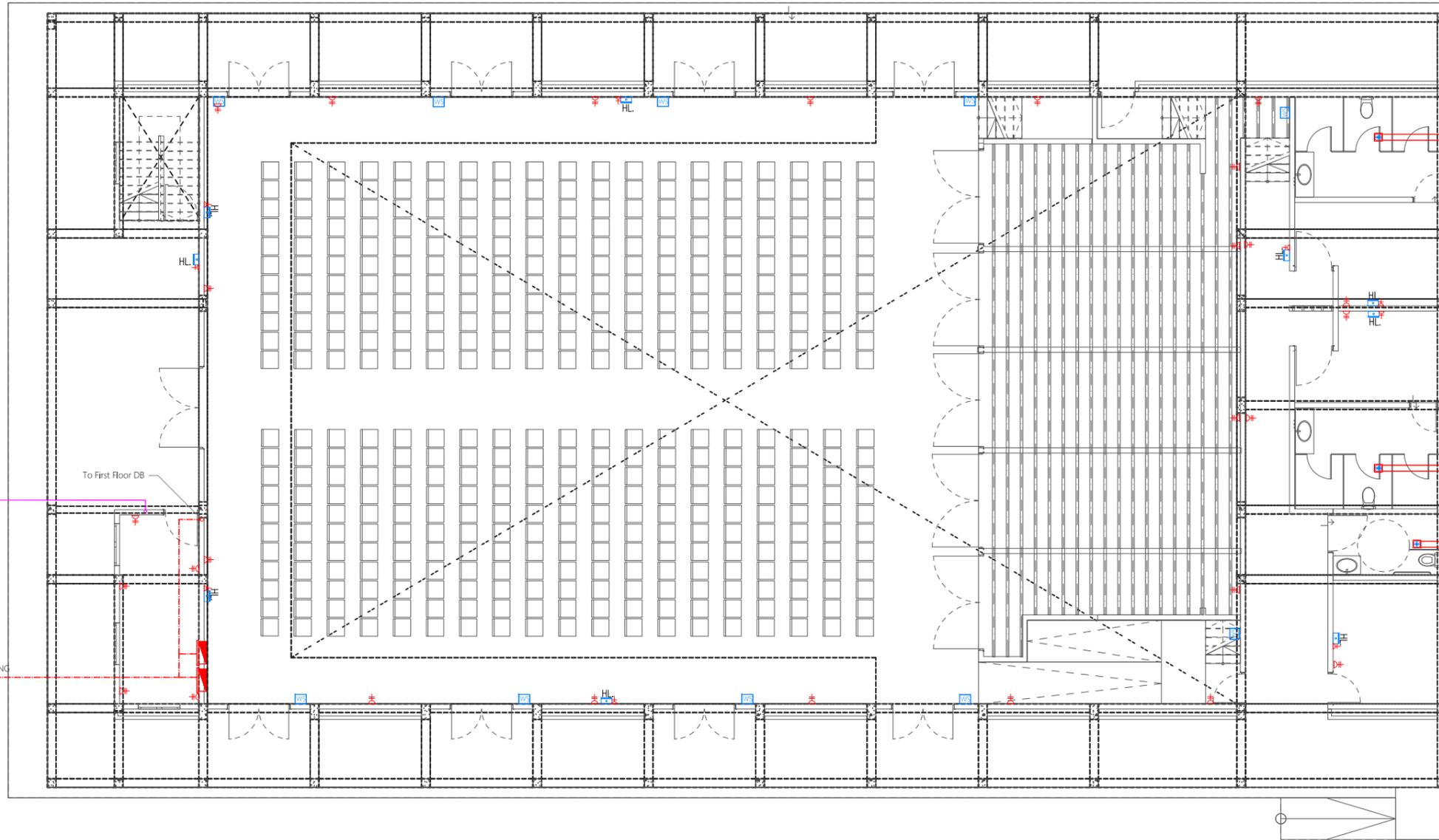




## K.Vilimale Multipurpose Hall

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.

Proposed 02 Storey Building At

**K. Vilimale Multipurpose Hall**

Client  
**Ministry of Education, Maldives**

31/07/2022

Services By **Mohamed Rassam**  
 Checked By -  
 Drawn By **Mohamed Rassam**



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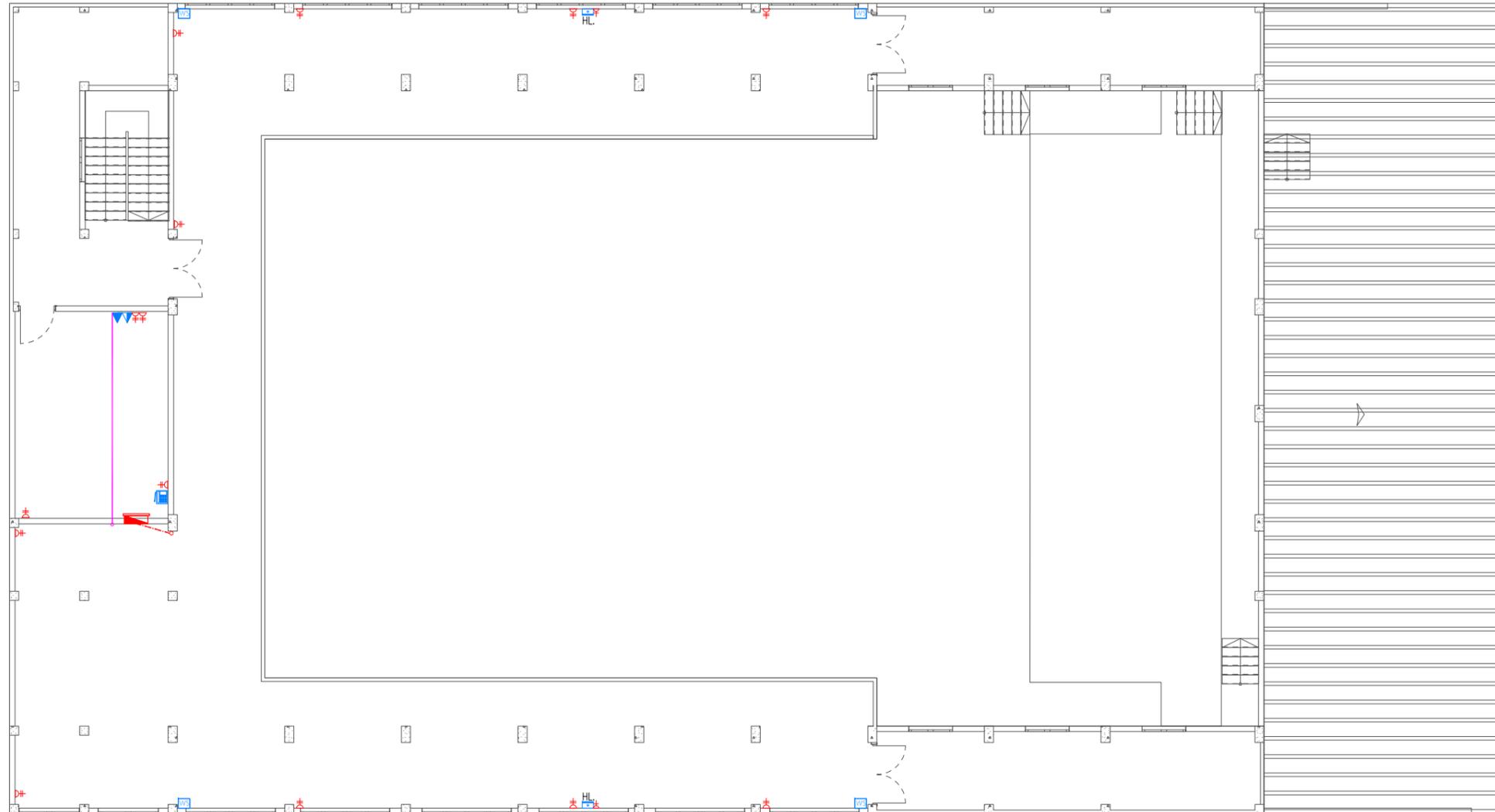
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**GROUND FLOOR POWER AND ACV LAYOUT**

**PAC-01**

1:150



**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.

**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

Services By **Mohamed Rassam**

Checked By **-**

Drawn By **Mohamed Rassam**



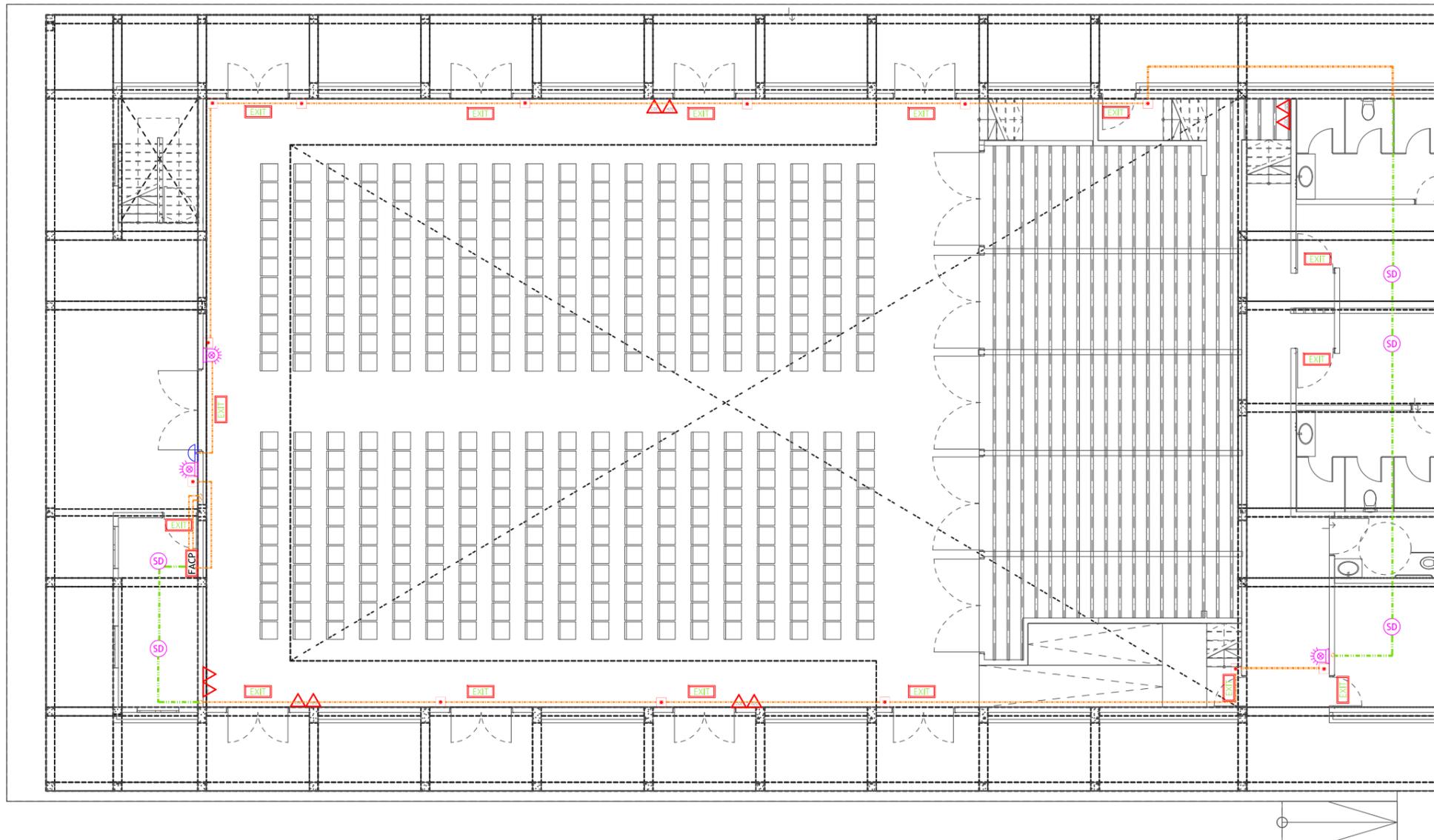
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**PAC-02**



Legend

-  CO<sub>2</sub> Extinguisher (load: 2kg) In Polycarbonate Enclosure
-  H<sub>2</sub>O Extinguisher (load: 9L) In Polycarbonate Enclosure
-  Manual Call Point (At 1200mm from F.F.L.)
-  Smoke Detector
-  Beacon
-  Sounder Bell
-  2.5mm<sup>2</sup> Fire Retardant Low Smoke (FRLS) Cables In FRLS Conduits (Running Underground)
-  2.5mm<sup>2</sup> 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**

31/07/2022

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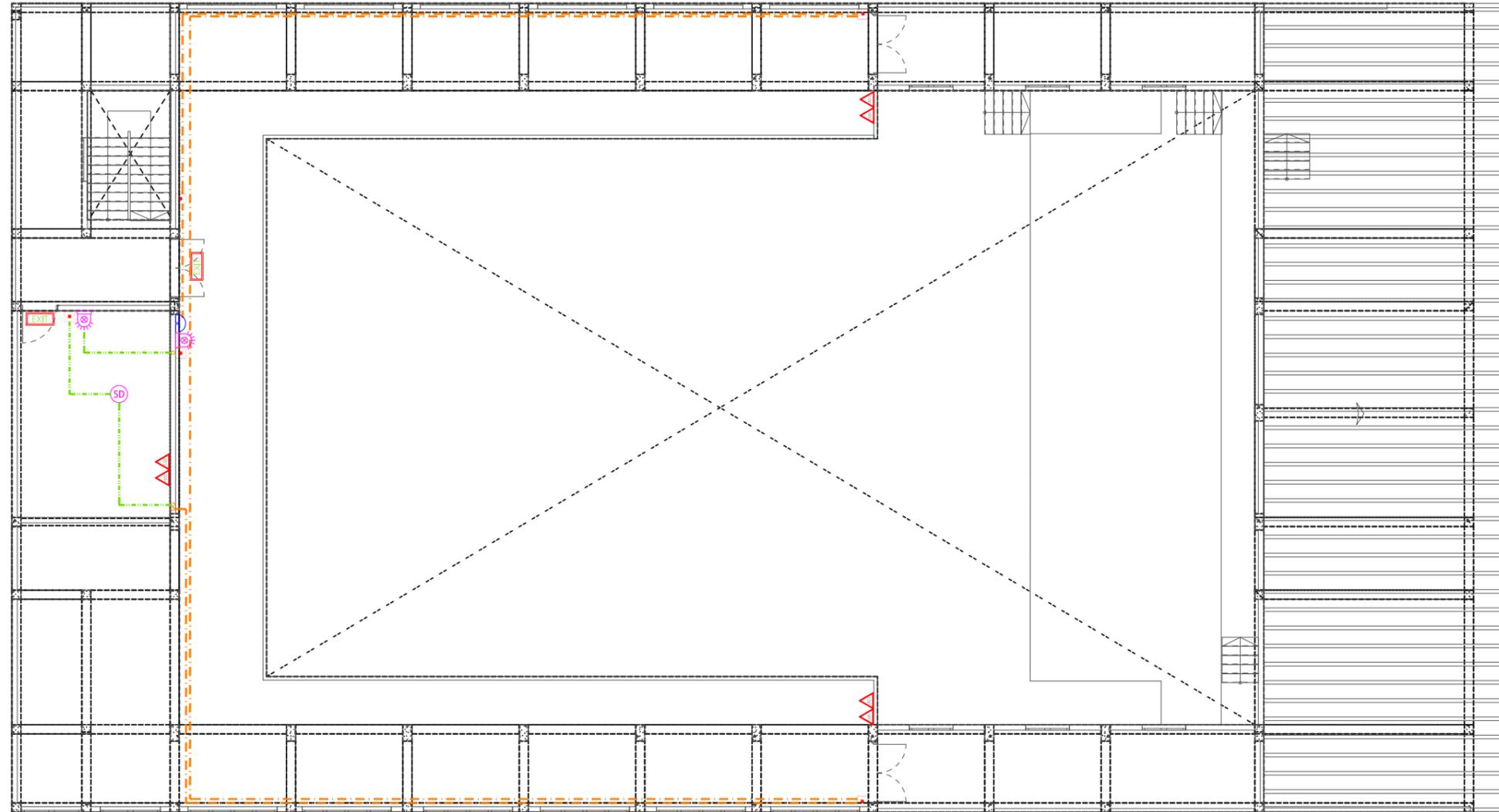
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**FDP-01**

**GROUND FLOOR FDP LAYOUT**

1:150



Legend

-  CO<sub>2</sub> Extinguisher (load: 2kg) In Polycarbonate Enclosure
-  H<sub>2</sub>O Extinguisher (load: 9L) In Polycarbonate Enclosure
-  Manual Call Point (At 1200mm from F.F.L.)
-  Smoke Detector
-  Sounder Bell
-  2.5mm<sup>2</sup> Fire Retardant Low Smoke (FRLS) Cables In FRLS Conduits (Running Underground)
-  2.5mm<sup>2</sup> 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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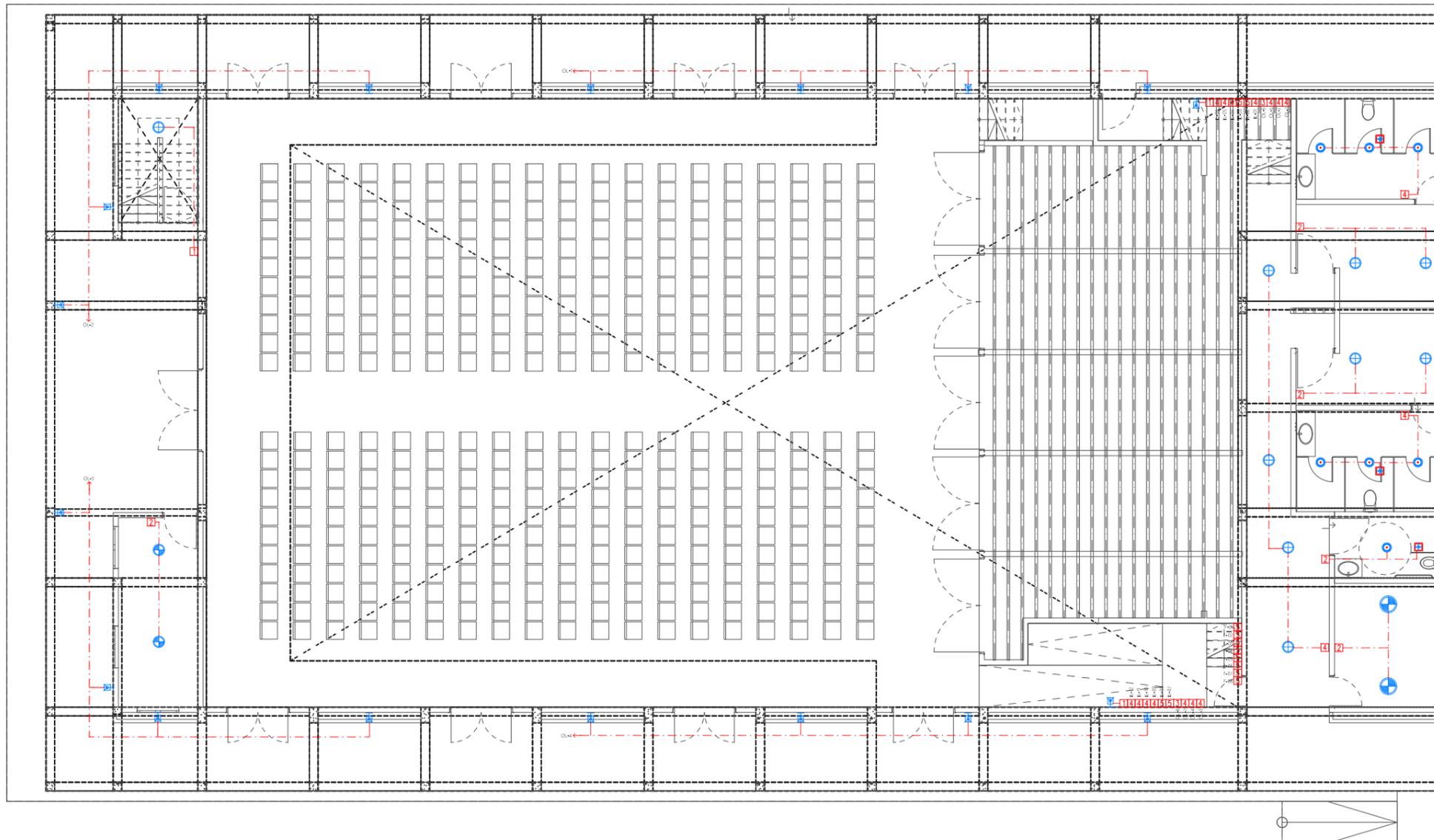
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**FIRST FLOOR FDP LAYOUT**

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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31/07/2022

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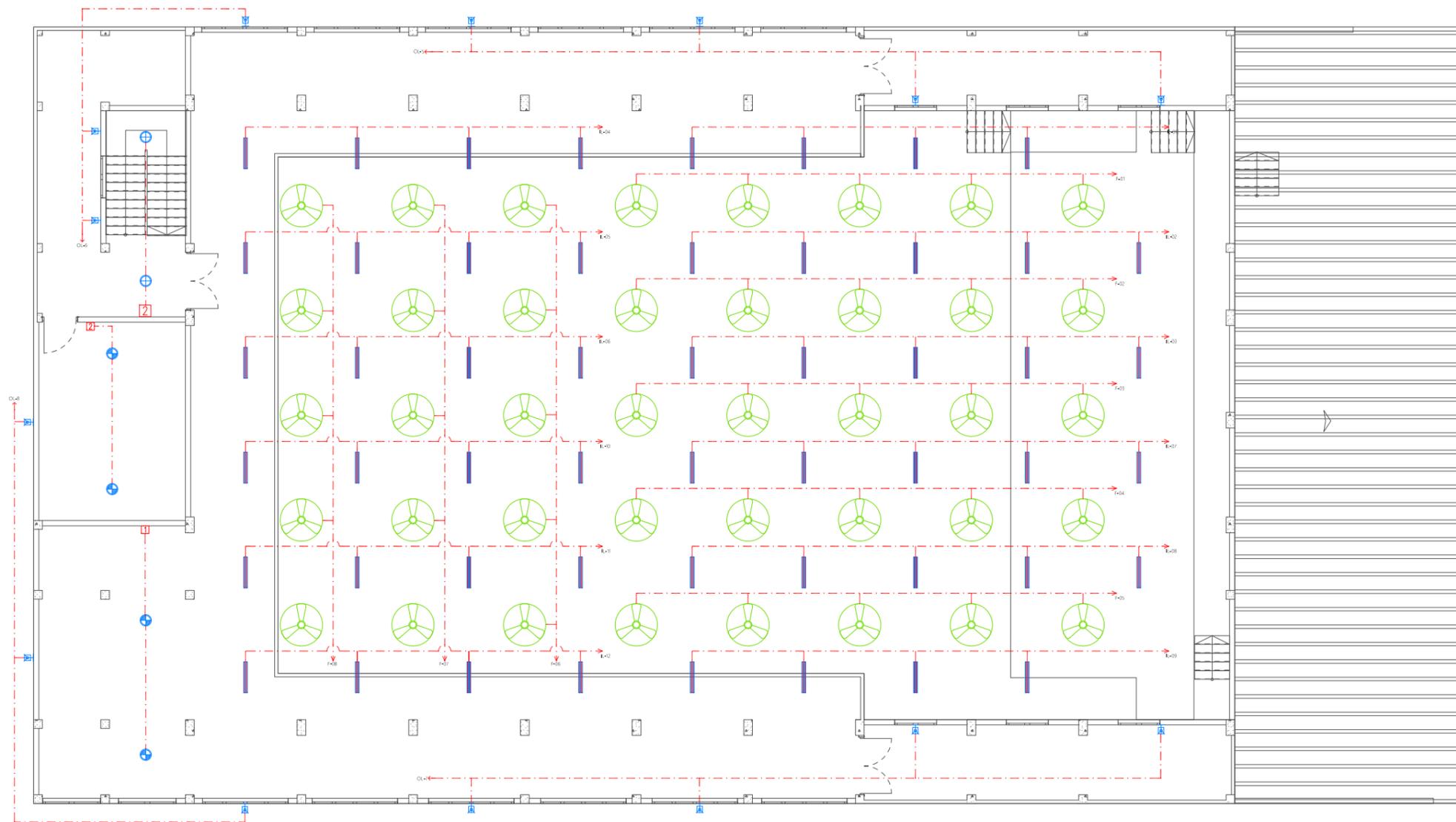
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**EL-01**

**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**

Client

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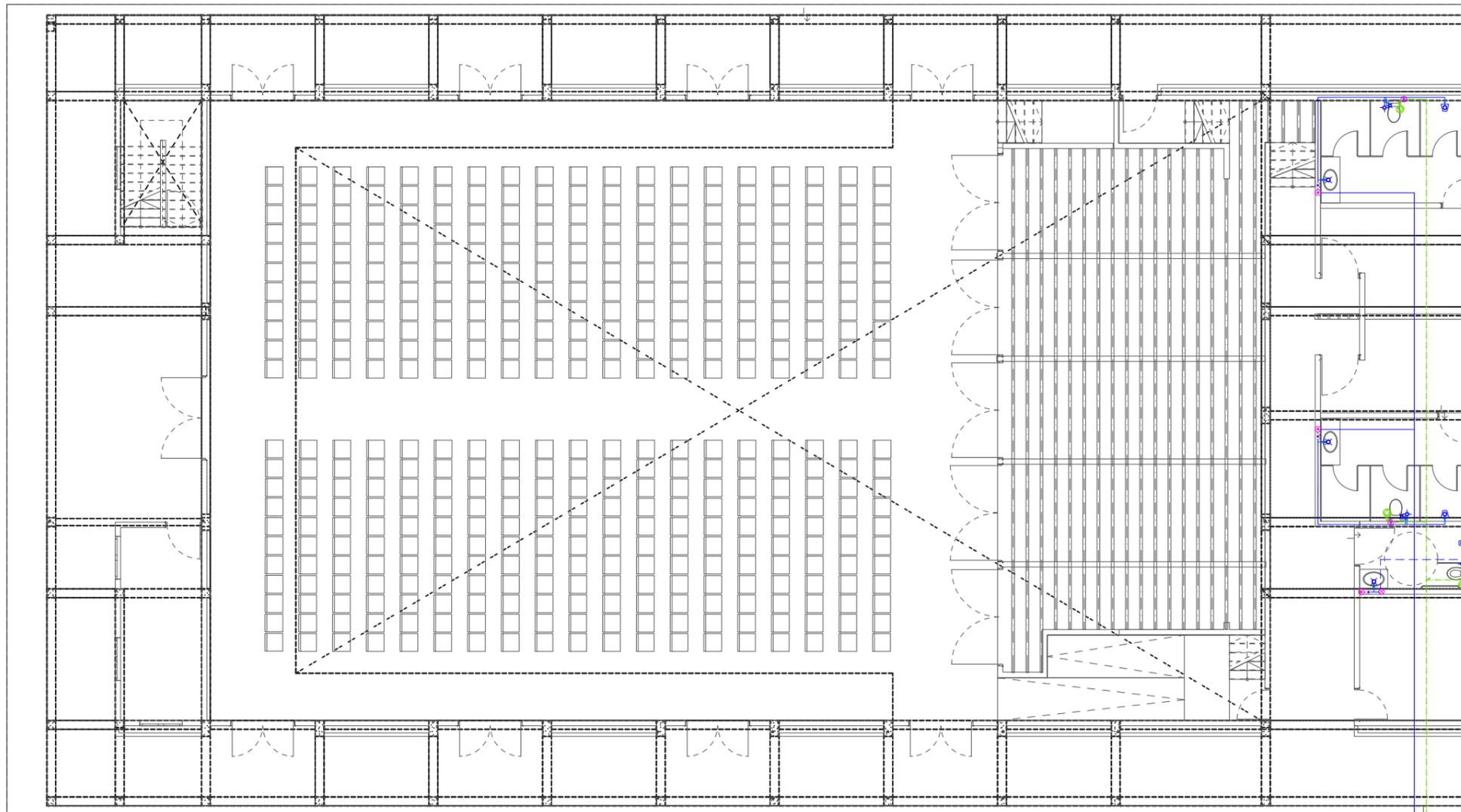
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**EL-02**

**FIRST FLOOR LIGHTING LAYOUT**

1:150



**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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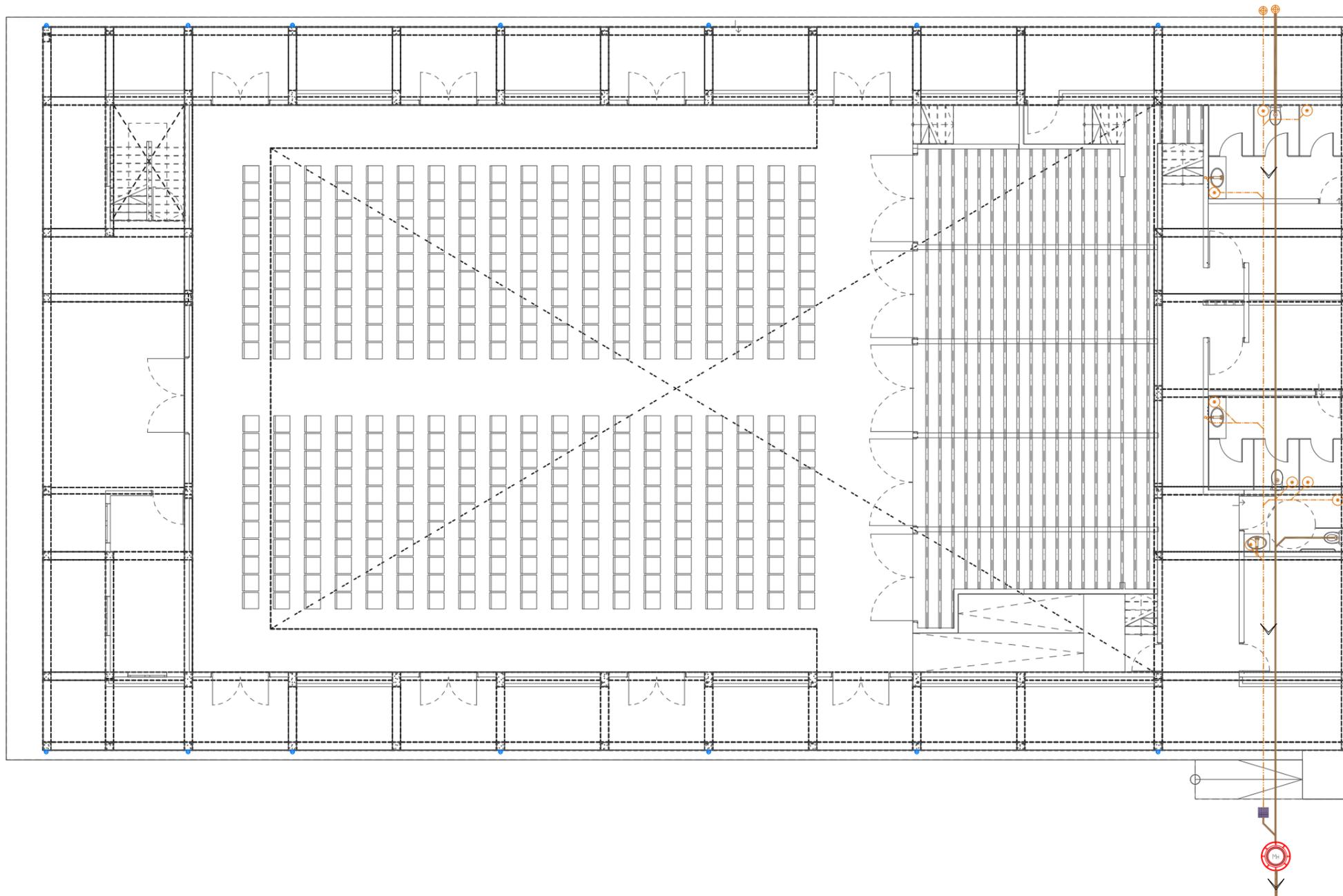
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**PL-01**

**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

**K. Vilimale Multipurpose Hall**

Client

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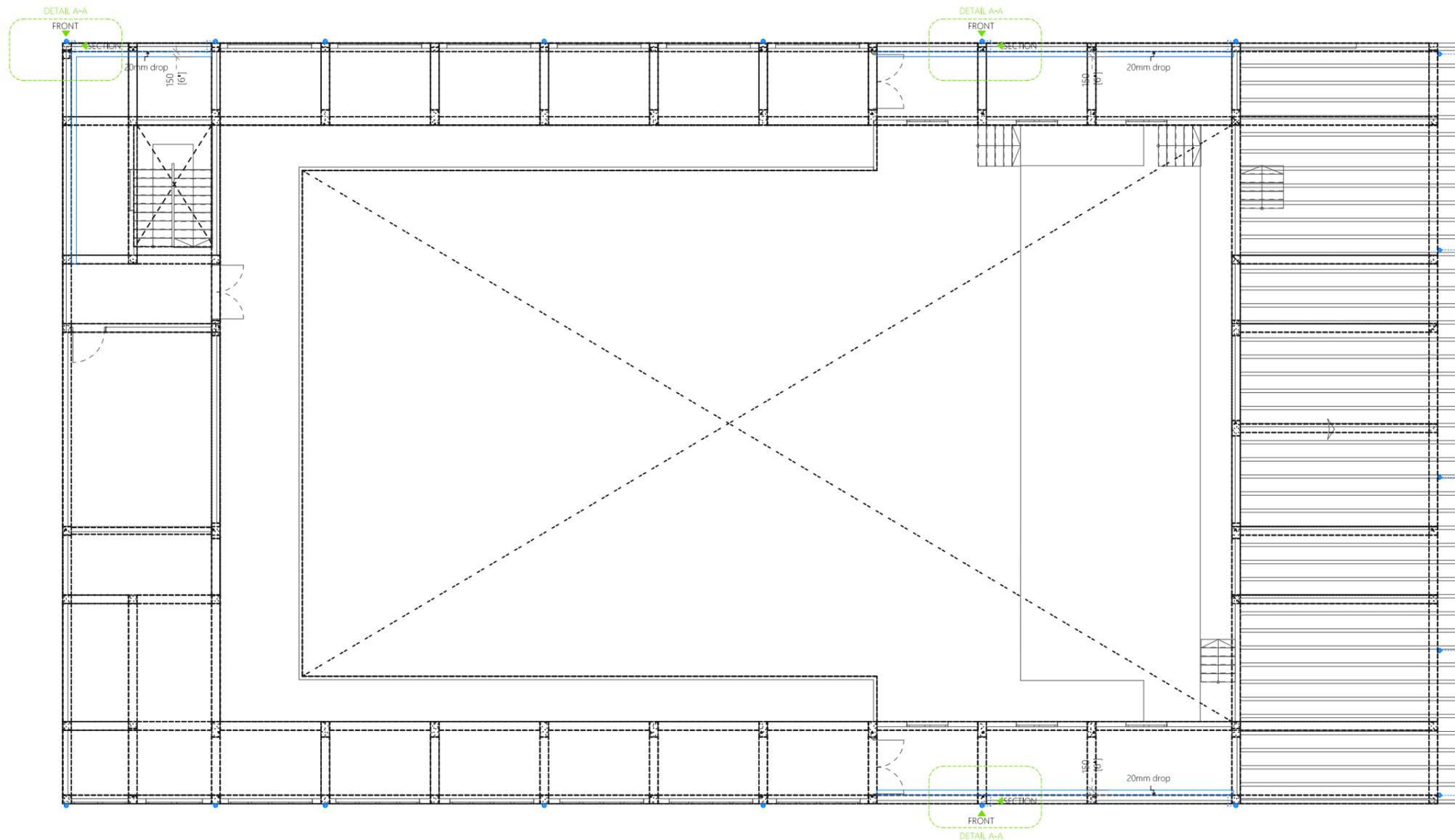
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**GROUND FLOOR DRAINAGE LAYOUT**

1:150

**DR-01**

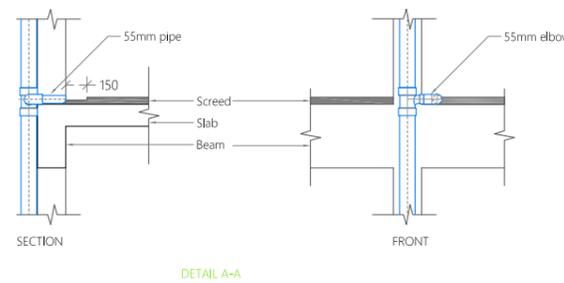


Legend

-  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
-  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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Client

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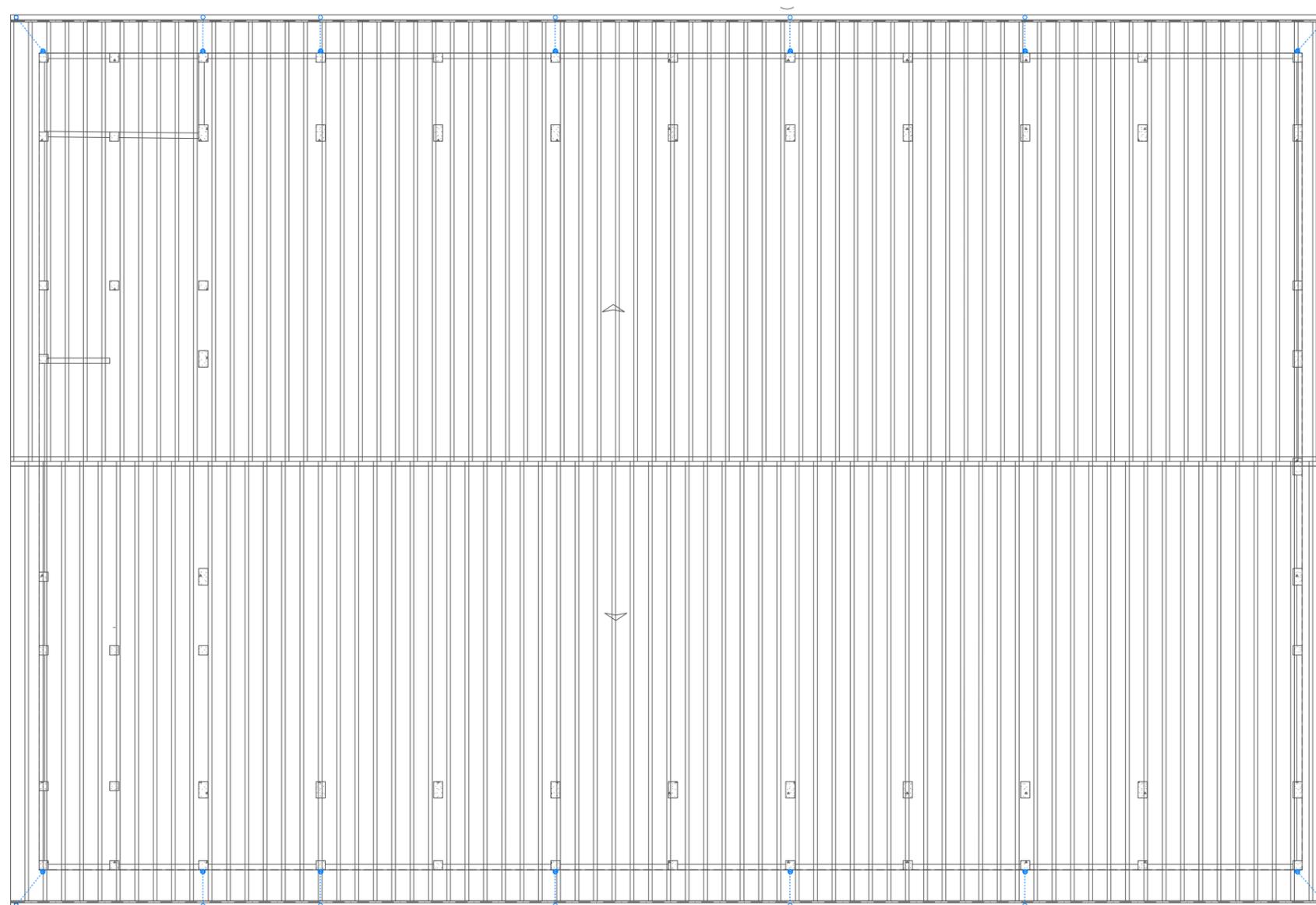
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**FIRST FLOOR DRAINAGE LAYOUT**

1:150

**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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**DR-03**

**ROOF DRAINAGE LAYOUT**

1:150