



Multipurpose Hall, Hdh.Vaikaradhoo School

BUILDING SERVICES DRAWINGS
Ministry of Education, Maldives

Legend

13A Twin Socket

13A Power Socket

Distribution Board

HL

Telephone Outlet

Computer Network Outlet

Emergency Light

Wall Mounted Speaker

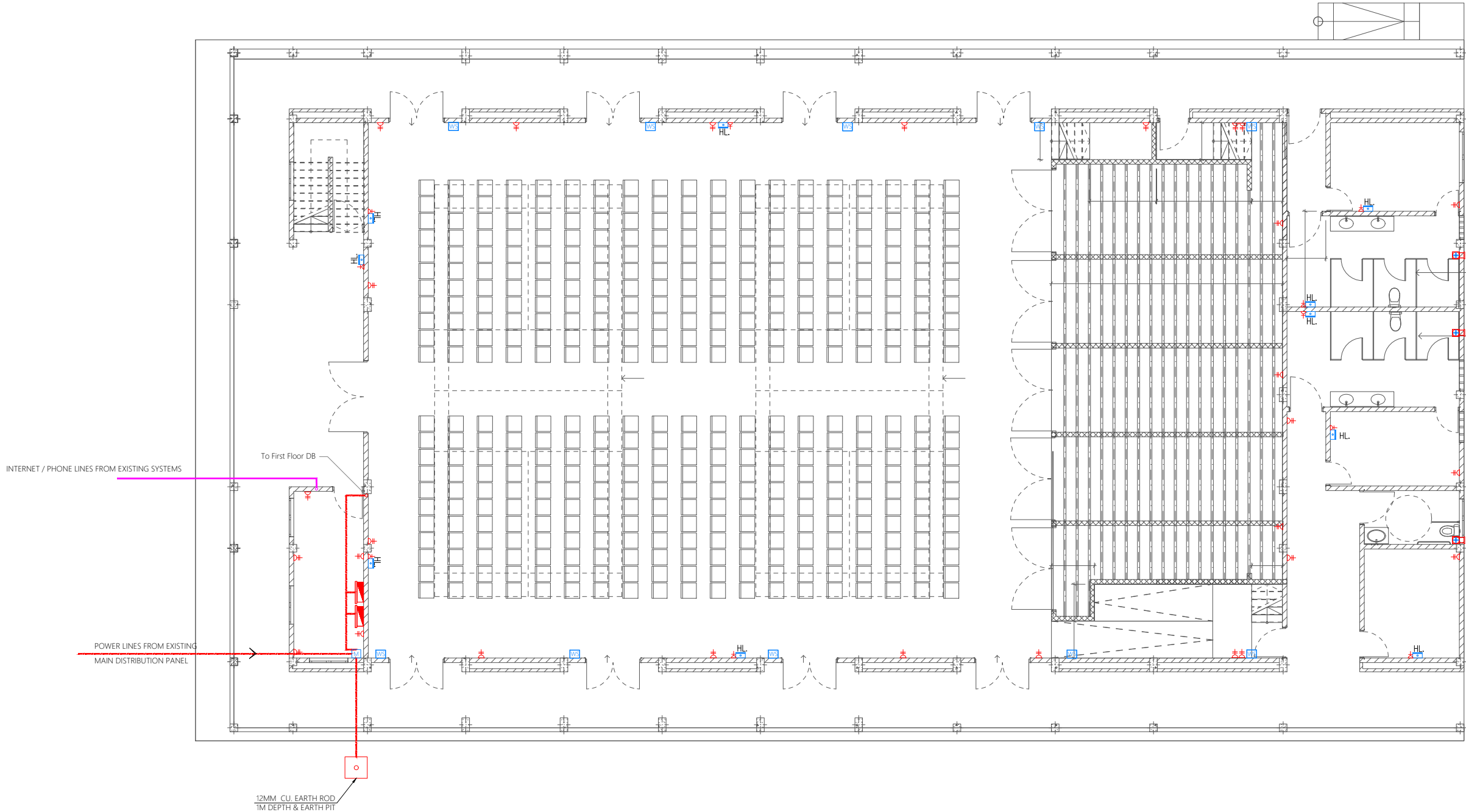
Electricity Meter

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.



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| # | REVISION | BY | APP | DATE |

Project :
Multipurpose Hall,
Hah.Vaikaradhoo School

Client :
Ministry of Education, Maldives

Prepared by

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| DRAWN: Hussain Rasheed | APPROVED: Mohamed Rassam |

Page Title
Ground Floor Plan

Scale : A3 1:150

Doc No : -

Date : Tuesday, May 23, 2023

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| Rev No : | Pg : PAC-01 |
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GROUND FLOOR POWER AND ACV LAYOUT

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 Below Ground

Notes :-

- All Twin Sockets At 300mm From F.F.L Except Stated Otherwise

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

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Page Title
First Floor Plan

Scale : A3 1:150

Doc No : -













Date : Tuesday, May 23, 2023

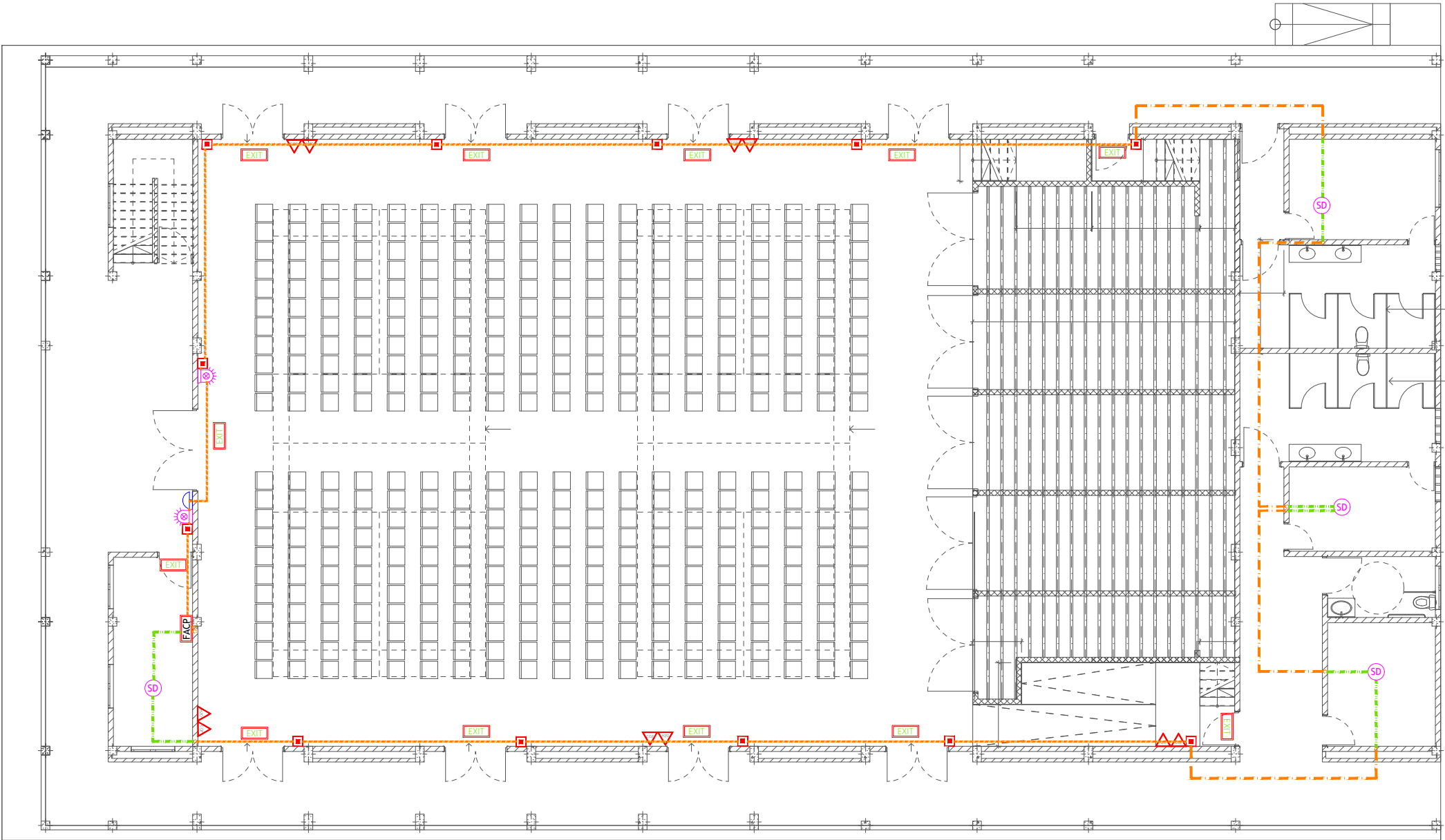
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| Rev No : | Pg : PAC-02 |
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FIRST FLOOR POWER AND ACV LAYOUT

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.)
-  Smoke Detector
-  Beacon
-  Sunder 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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Page Title
Ground Floor Plan

Scale : A3 1:150

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





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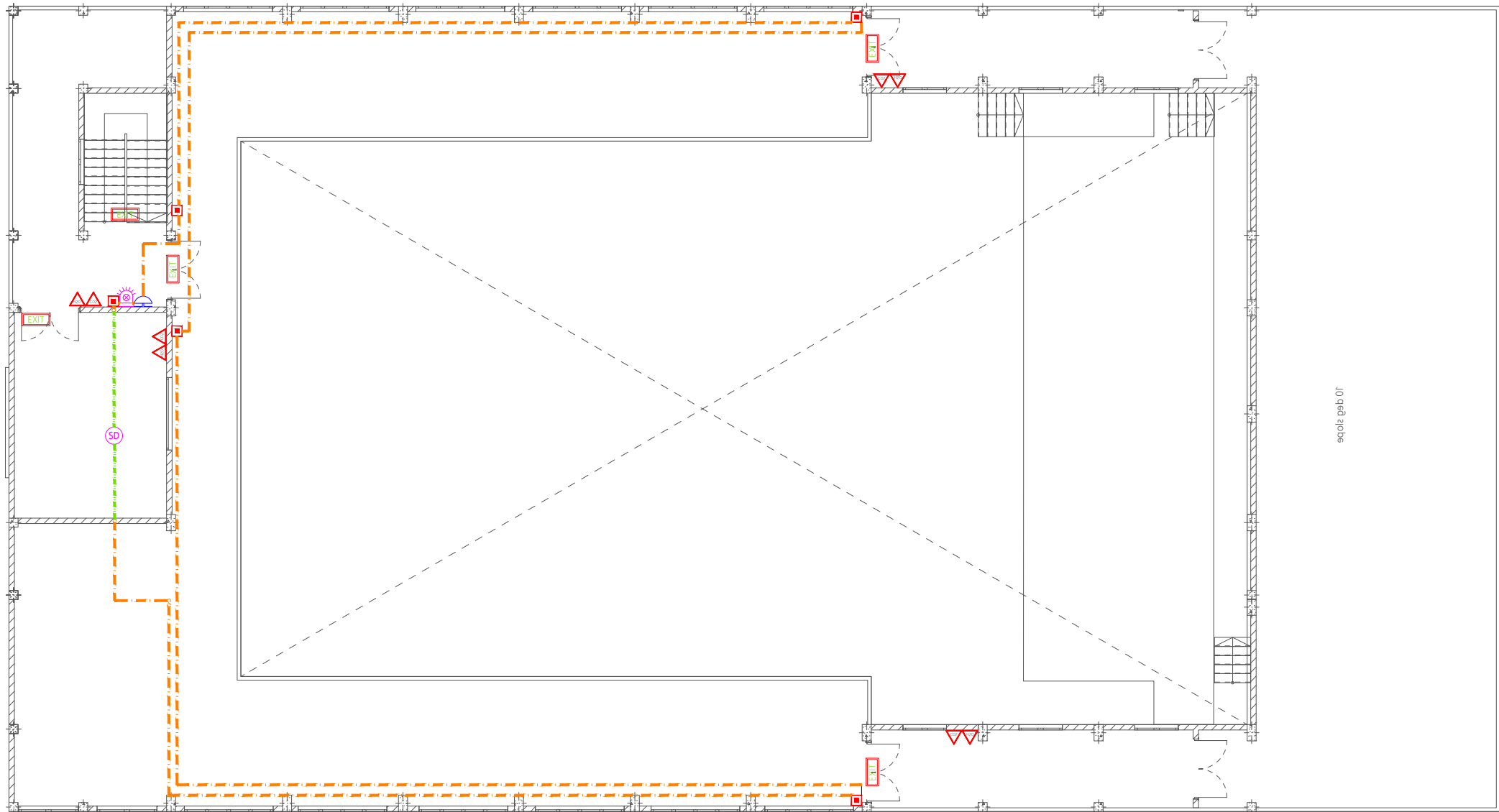
Rev No : | **Pg :** FDP-01

GROUND FLOOR FIRE DETECTION AND PROTECTION 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.)
-  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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First Floor Plan

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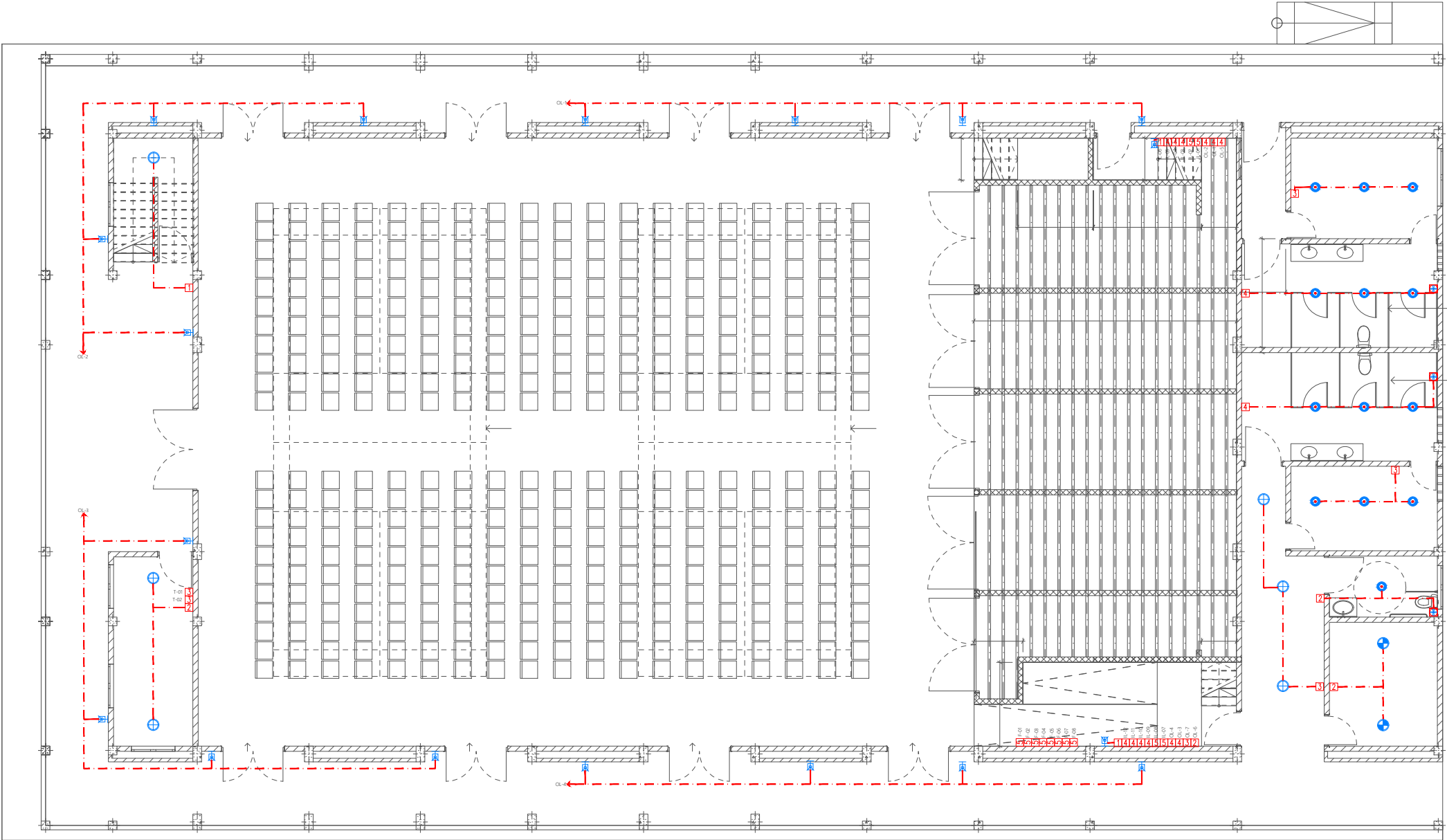
Rev No : | **Pg :** FDP-02

FIRST FLOOR FIRE DETECTION AND PROTECTION LAYOUT

1:150

Legend

- Ceiling Light (18W)
- Ceiling Light (12W)
- Recessed Ceiling Light (12W)
- Weather Proof Wall Light IP55 (12W)
- Indoor Wall Light (18W)
- 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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Ground Floor Plan

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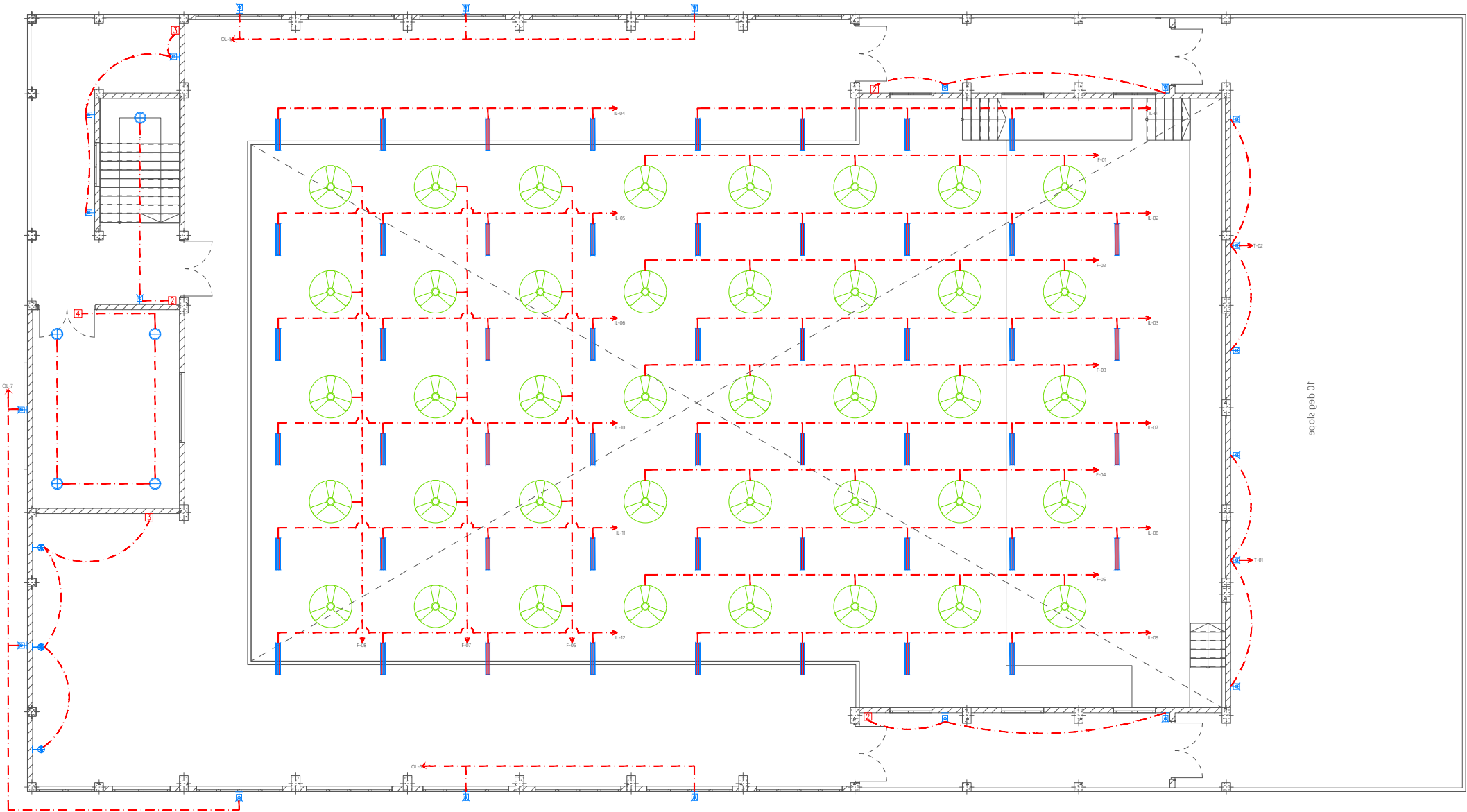
Rev No : | **Pg :** EL-01

GROUND FLOOR LIGHTING LAYOUT

1:150

Legend

-  Ceiling Light (18W)
-  Ceiling Light (12W)
-  Recessed Ceiling Light (12W)
-  Weather Proof Wall Light IP55 (12W)
-  Indoor Wall Light (18W)
-  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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Page Title
First Floor Plan

Scale : A3 1:150

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Date : Tuesday, May 23, 2023

Rev No : | **Pg :** EL-02

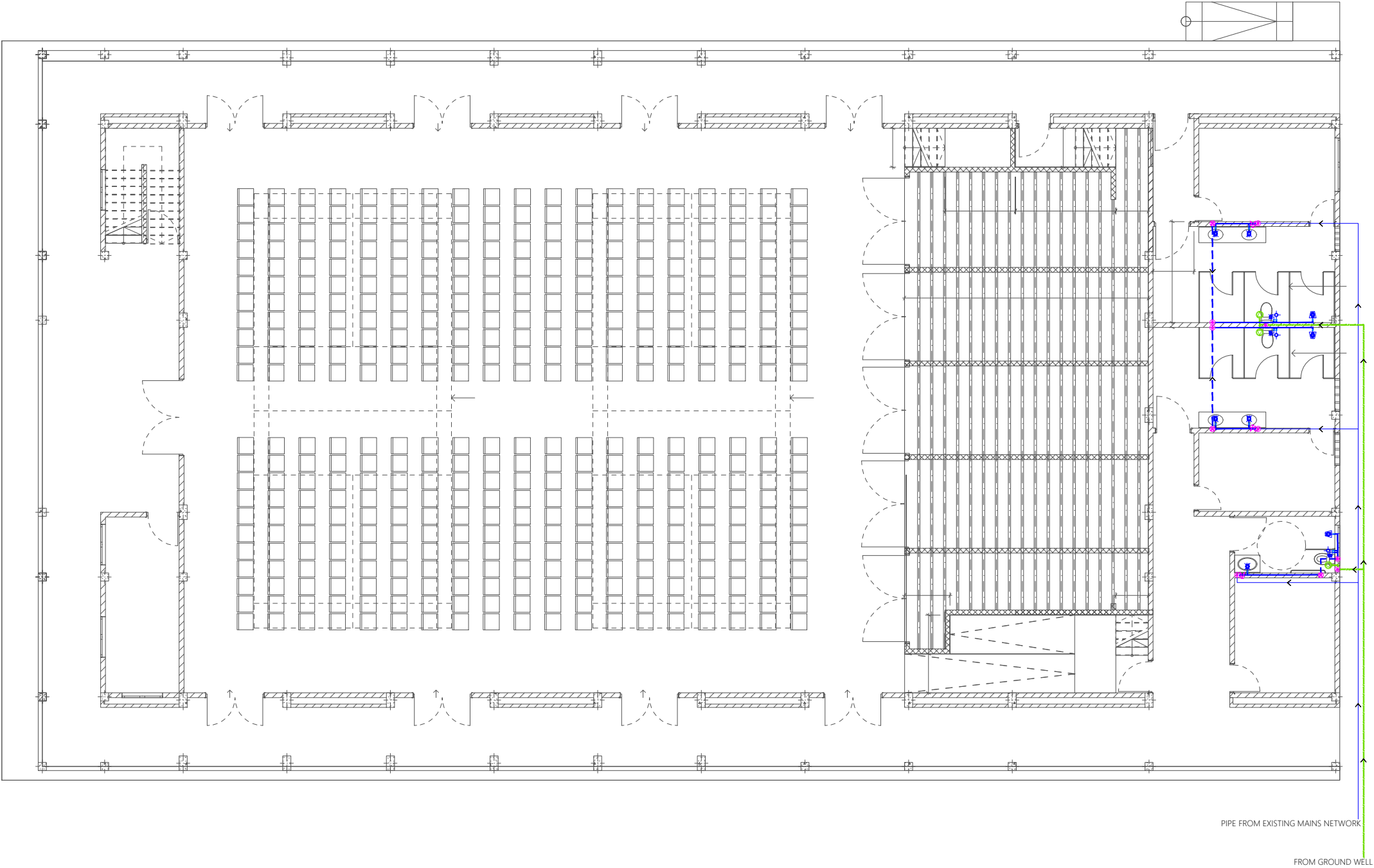
FIRST FLOOR LIGHTING LAYOUT

1:150

- Legend
- 16Ø Cold Water Supply To Basin Faucet
 - 16Ø Cold Water Supply To Bidet Shower
 - 16Ø Cold Water Supply To Head 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 Underground
 - 25Ø Ground Water Supply Pipes Running Above False Ceiling

Notes: -

- All Cold Water Pipes Should Be PVC
- Sll Hot Water Pipes Should Be PPR



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Ground Floor Plan

Scale : A3 1:150

Doc No : -

Date : Tuesday, May 23, 2023

Rev No : | **Pg :** PL-01

GROUND FLOOR PLUMBING 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)

110Ø Rainwater Outlet

110Ø Rainwater Outlet Perforated Cowl

Gully Trap

Manhole

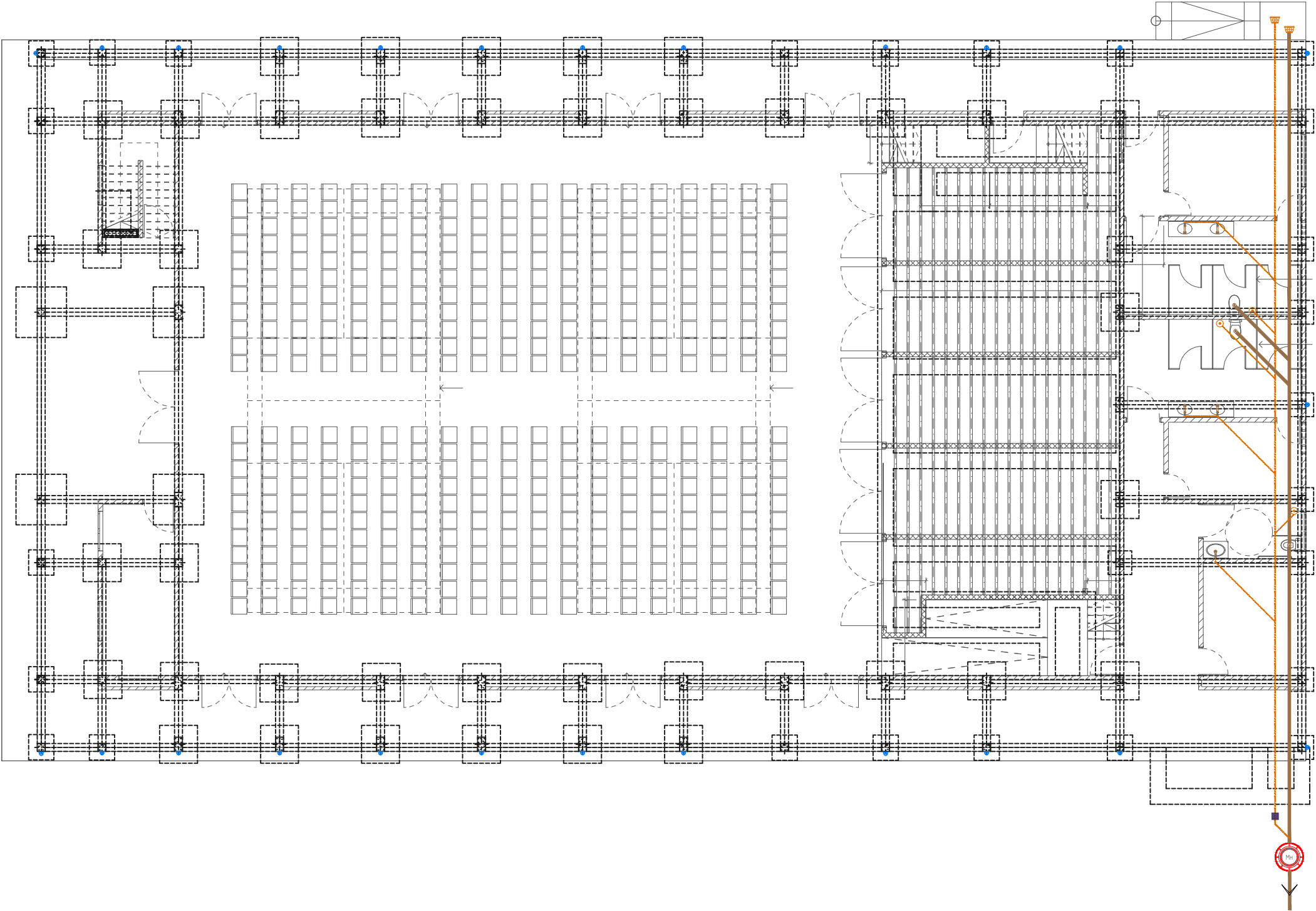
Clean Out Point

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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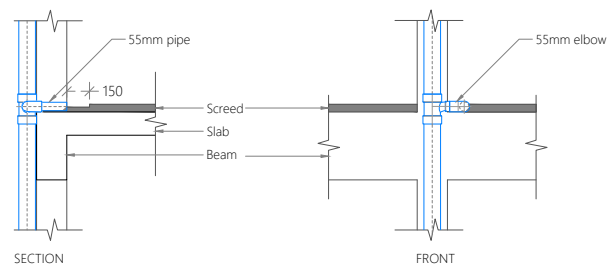
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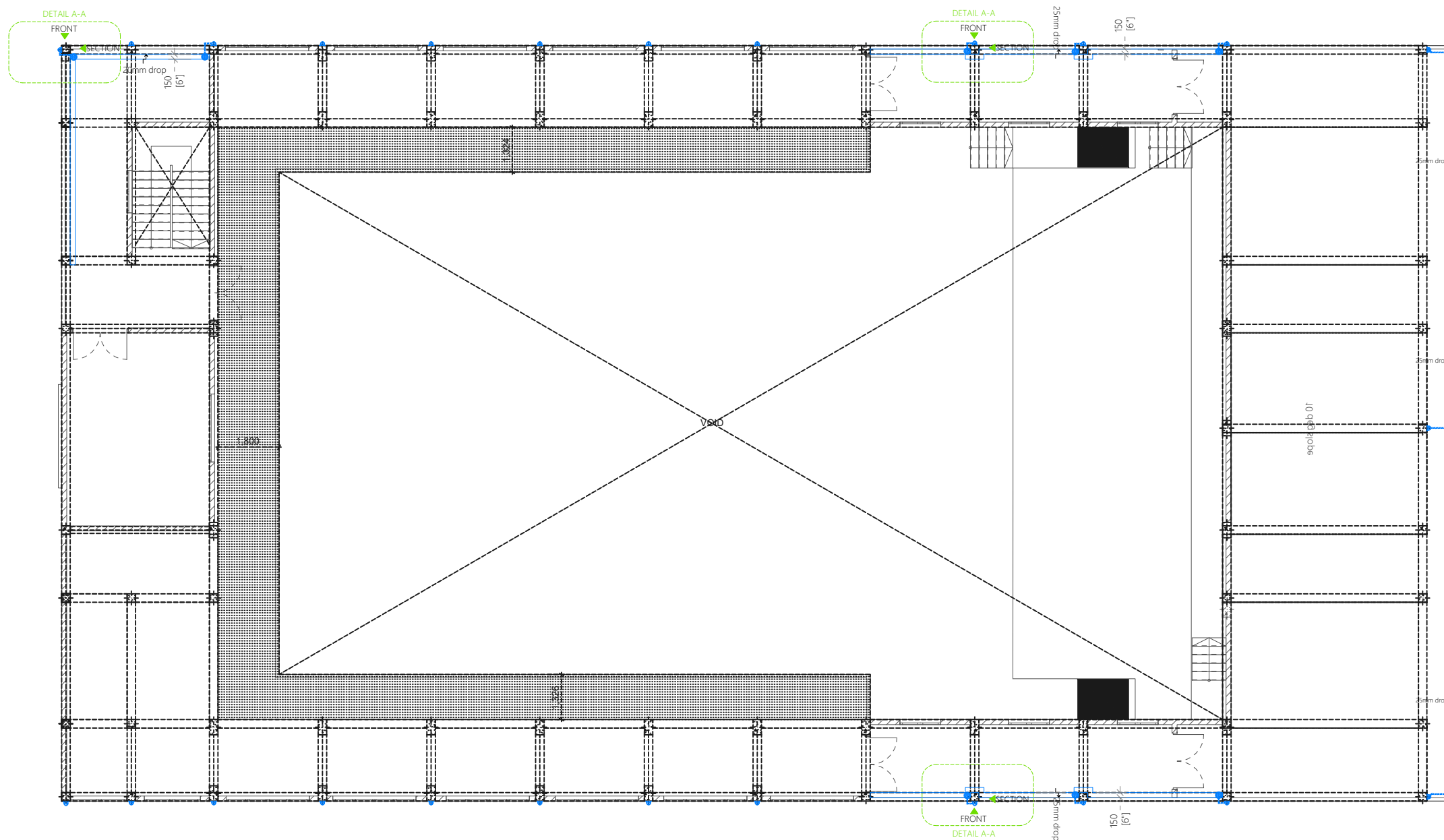
Rev No : Pg : DR-01

-  Floor Drain
-  Floor Gully
-  110 Soil Pipe (uPVC Pipe)
-  110 Soil Vent Pipe (uPVC Pipe)
-  820 Waste Pipe (uPVC Pipe)
-  820 Waste Vent Pipe (uPVC Pipe)
-  400 Waste Pipe (uPVC Pipe)
-  630 Manhole Vent Pipe (uPVC Pipe)
-  110 Rain Water Pipes (uPVC Pipe)
-  110 Rainwater Outlet
-  Bottle Trap

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



DETAIL A-A



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Page Title
First Floor Plan

Scale: A3 1:150

Doc No : –

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Rev No :

Pg: DR-02

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)

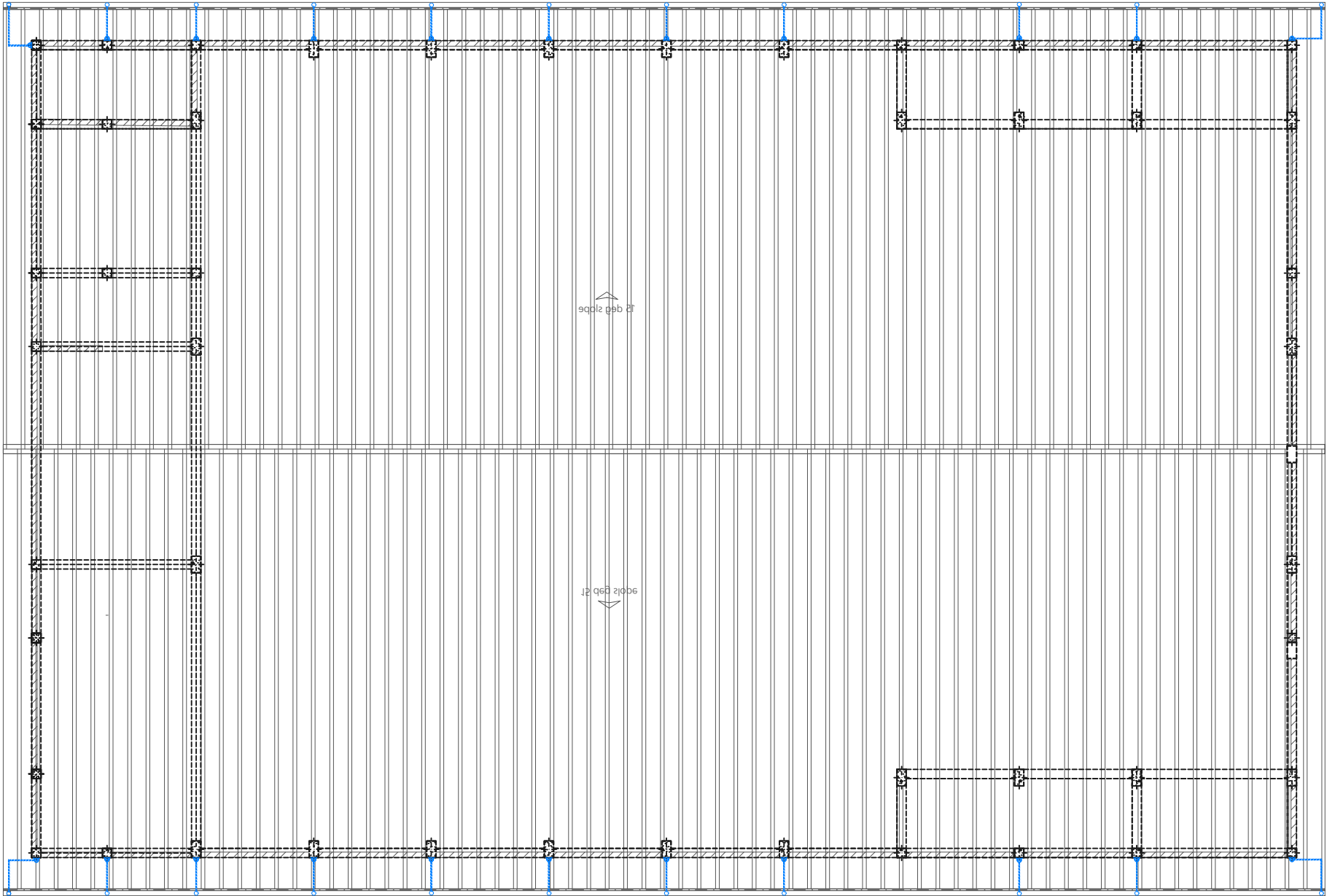
110Ø Rainwater Outlet

Bottle Trap

Notes: -

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

-All Floor Drains Should Have 'P' Traps



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Page Title
Roof Plan

Scale : A3 1:150

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ROOF DRAINAGE LAYOUT

1:150