

BUILDING SERVICES DRAWINGS OF
PROPOSED 02 STOREY BUILDING

**HA. MAARANDHOO 02 STOREY BUILDING
2 CLASSROOMS, SCIENCE LAB, STAFF ROOM AND
HEALTH ROOM**

For Ministry Of Education


By Epoch Associates Pvt. Ltd





EPOCH


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


Legend


- 


13A Twin Socket
- 


13A Power Socket
- 


15A Switched Socket @ H.L.
- 


Distribution Board
- 


HL.
- 


Computer Network Outlet
- 


Emergency Light
- 


Wall Mounted Speaker
- 


Internet Switchboard
- 


Electricity Meter
- 


Public Address System
- 

Computer Network Twin Outlet
- 


HDMI Socket
- 


Computer Network Twin Outlet In Floor Mount Pop-up Box
- 

Telephone Outlet In Floor Mount Pop-up Box
- 

13A Twin Socket In Floor Mount Pop-up Box
- 


Telephone Outlet


- 


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


- 


Ceiling Mounted Exhaust Fan 90m3/hr
- 

Wall Mounted Exhaust Fan
- 

Wall Mount Air Conditioner
- 

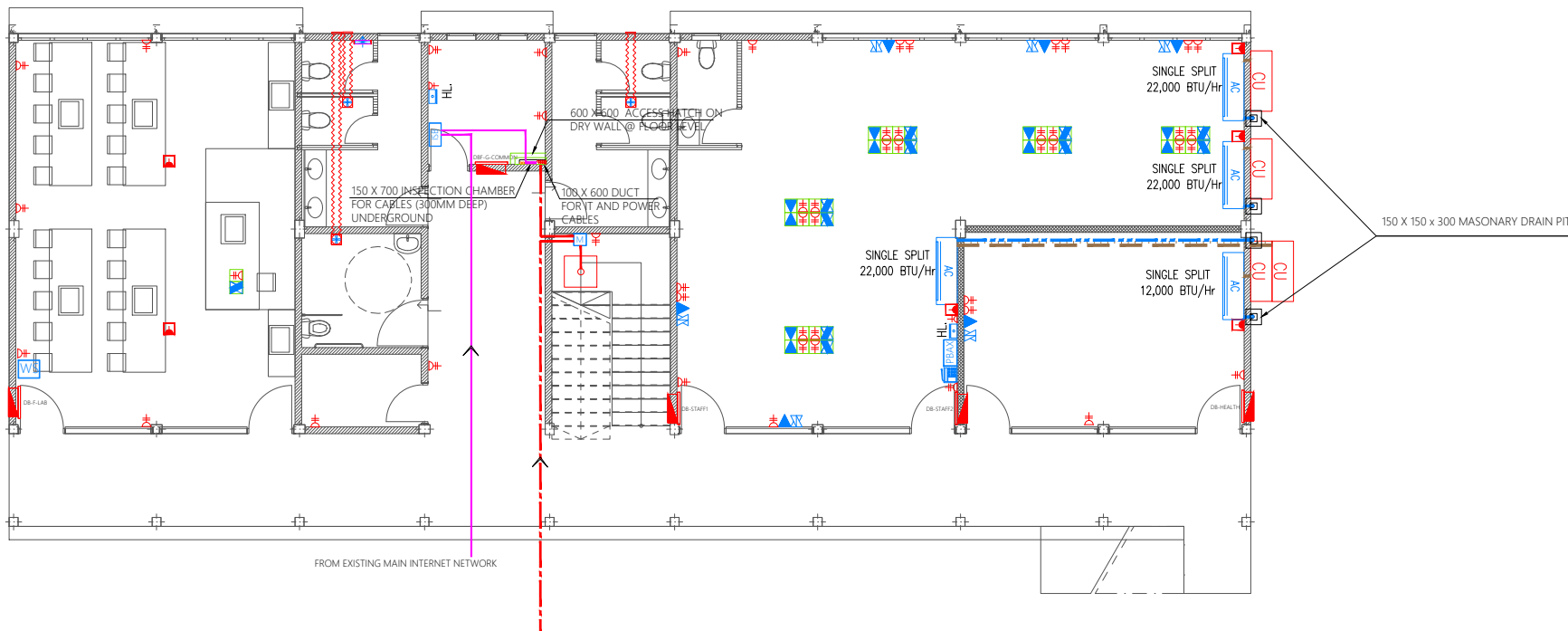
Outdoor Condensing Unit
- 

Refrigerant Pipes
- 

25Ø Condensate Drain Pipe
- 

40Ø Condensate Drain Riser Pipe

- Notes: -
- Where Condensate Drain Pipes Are Connected To Wash Basin Or Kitchen Sink, 25 Ø Condensate Drain Pipe Is Extended In 32 Ø Flex Conduit Into 40 Ø Waste Pipe Of Respective Basin Or Sink



GROUND FLOOR POWER AND ACV LAYOUT
1:150

PROPOSED 02 STOREY
**Two Classrooms,
Health Room, Staff
Room, Science Lab,
Ha. Maarandhoo**

Client:
Ministry Of Education


July 2021


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



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
Legend


- 


13A Twin Socket
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13A Power Socket
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15A Switched Socket @ H.L.
- 


Distribution Board
- 


HL. High Level
- 


Computer Network Outlet
- 


Emergency Light
- 


Wall Mounted Speaker
- 


Internet Switchboard
- 


Electricity Meter
- 


Public Address System
- 

Computer Network Twin Outlet
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HDMI Socket
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Computer Network Twin Outlet In Floor Mount Pop-up Box
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Telephone Outlet In Floor Mount Pop-up Box
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Wall Mounted Exhaust Fan
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Wall Mount Air Conditioner
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Outdoor Condensing Unit
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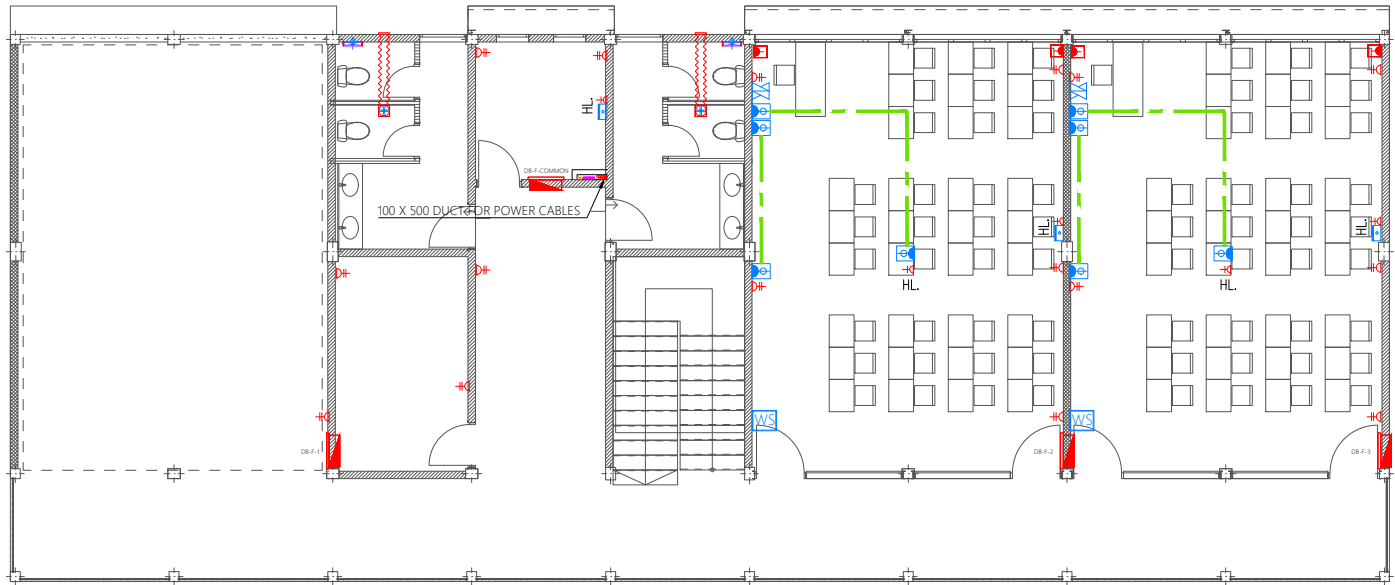
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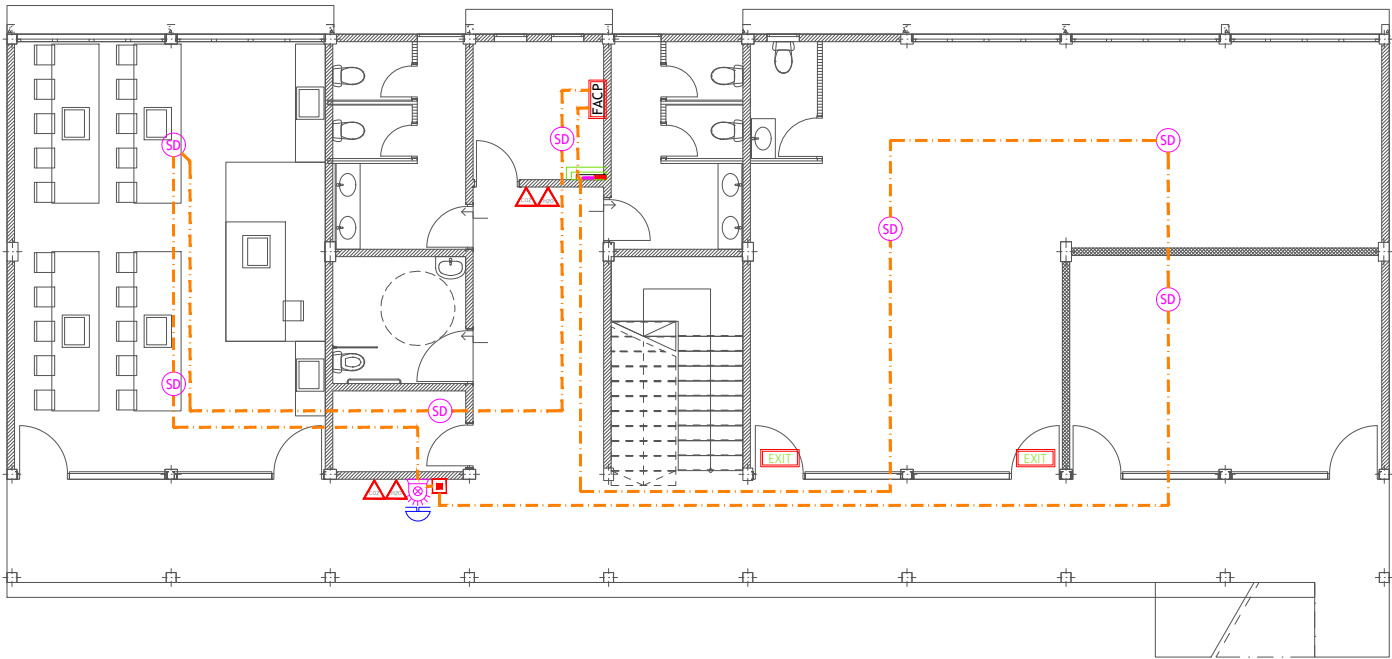
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PAC-02

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
-  Fire Alarm Control Panel
-  Exit Sign



GROUND FLOOR FDP LAYOUT
1:150

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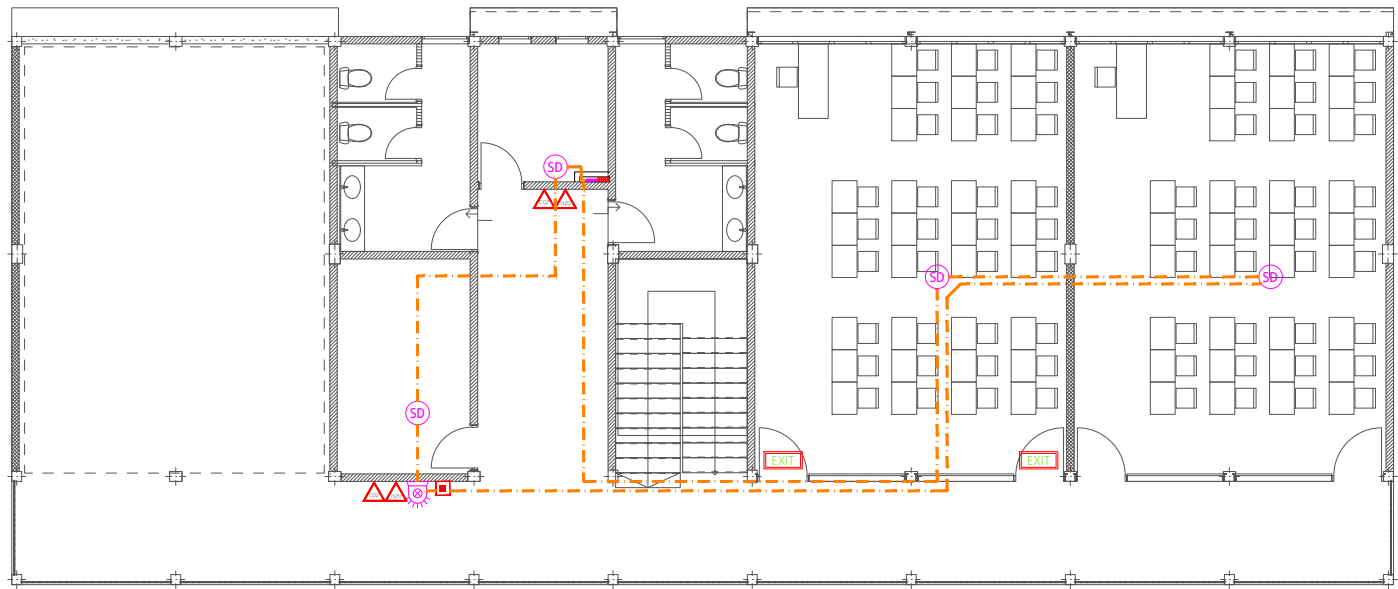
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---	FDP -01

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
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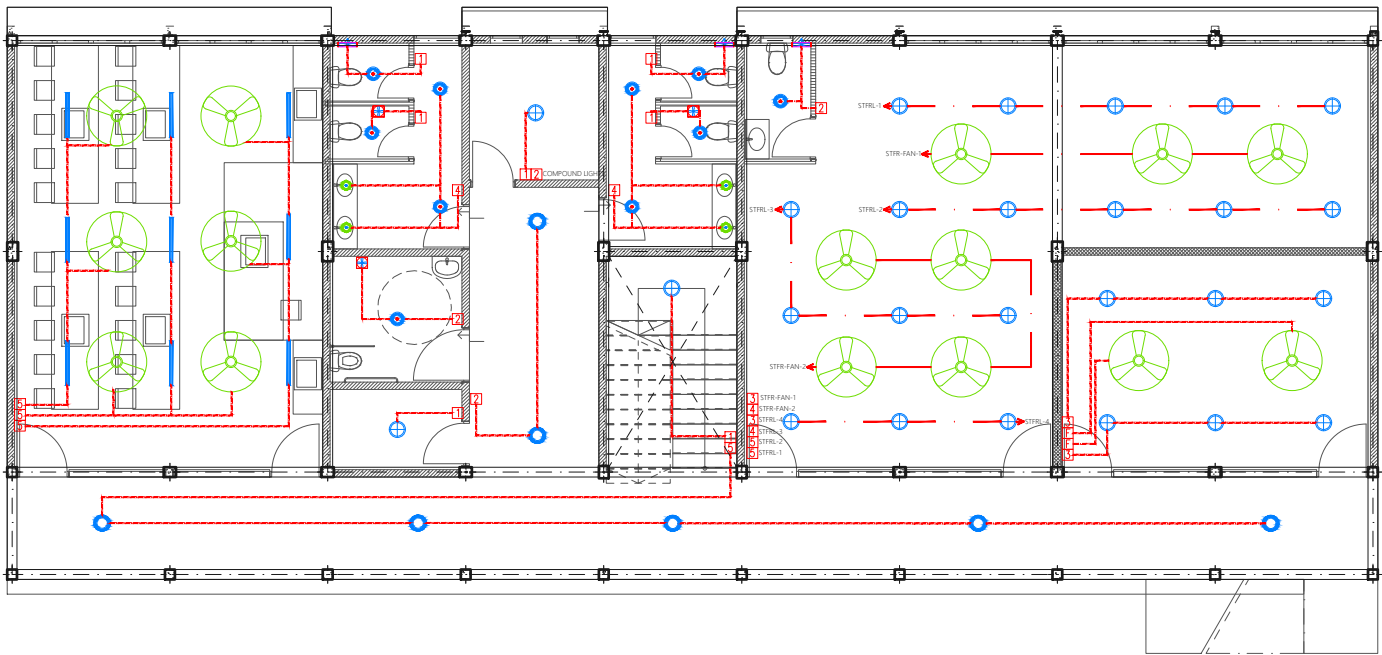
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---	FDP -02

Legend

-  Ceiling Recessed Spot Light (3W)
-  Ceiling Light (18W)
-  Ceiling Light (12W)
-  Recessed Ceiling Light (12W)
-  Ceiling Down Light (18W) - Weather Proof
-  3 Ft Led Tube Light
-  100W, HPS, Wall Mounted Light,IP 65
-  Light and Fan Switch (1 Gang - 5 Gang)
-  Ceiling Fan Switch With Controller
-  Ceiling Mounted Exhaust Fan 90m3/hr
-  42" To 48" Ceiling Fan



GROUND FLOOR LIGHTING LAYOUT
1:150

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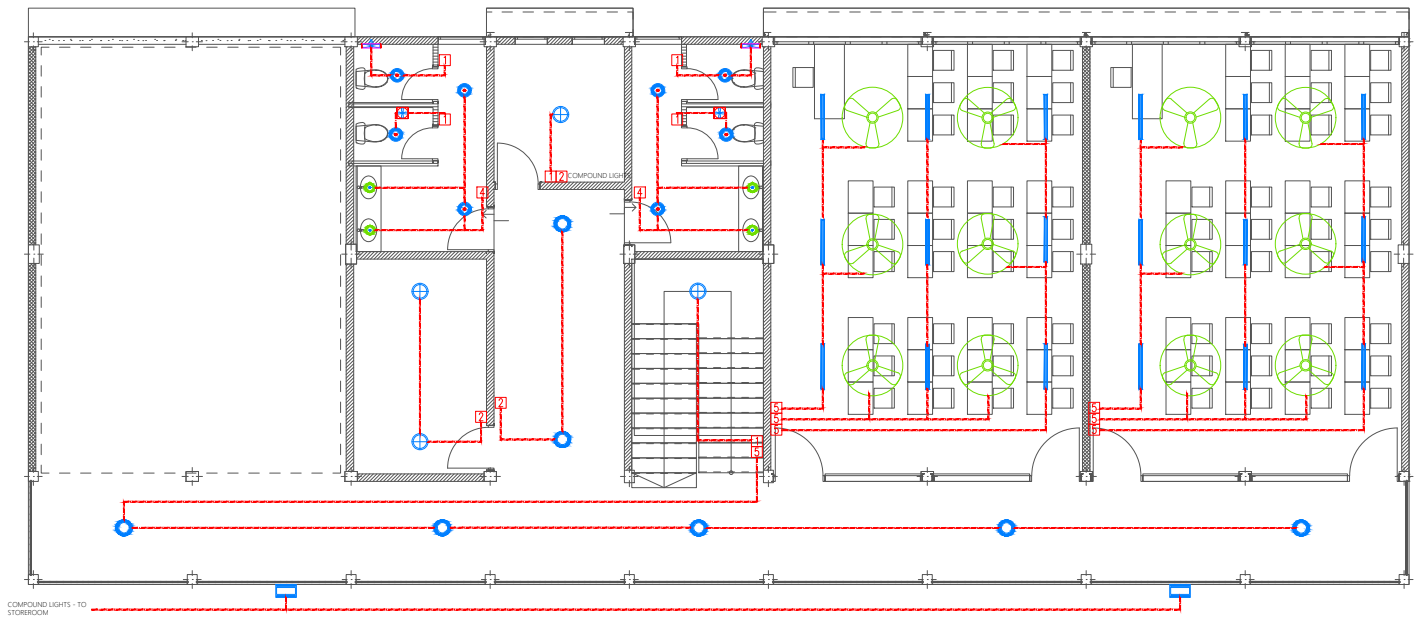
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Page: EL -01

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FIRST FLOOR LIGHTING LAYOUT
1:150

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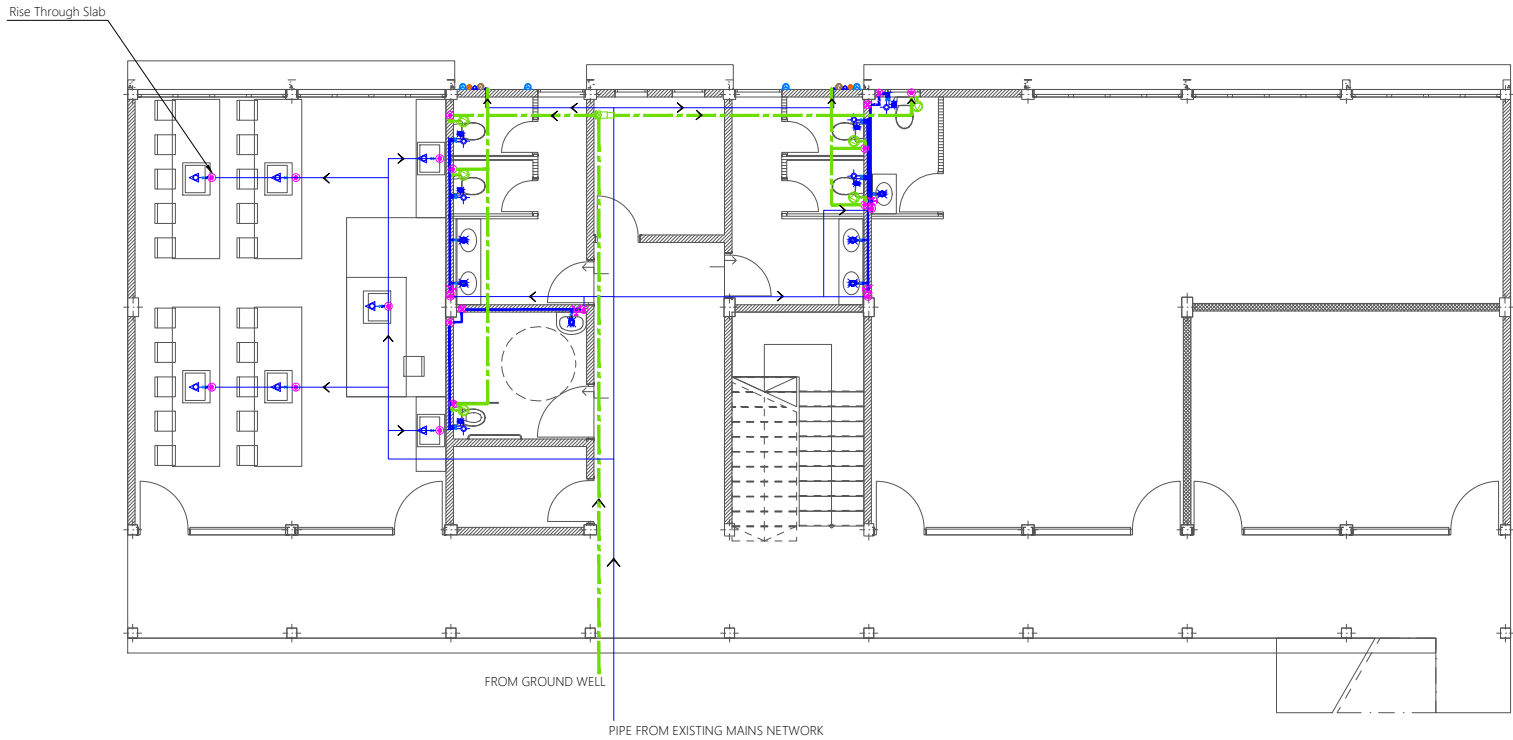
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Legend

- 16Ø Cold Water Supply To Basin Faucet
- 16Ø Cold Water Supply To Bidet Shower
- 16Ø Cold Water Supply To Cistern
- 16Ø Cold Water Supply To Sink Tap
- Gate Valve
- Rise Through Slab
- 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 Below Slab
- 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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FIRST FLOOR PLUMBING LAYOUT
1:150

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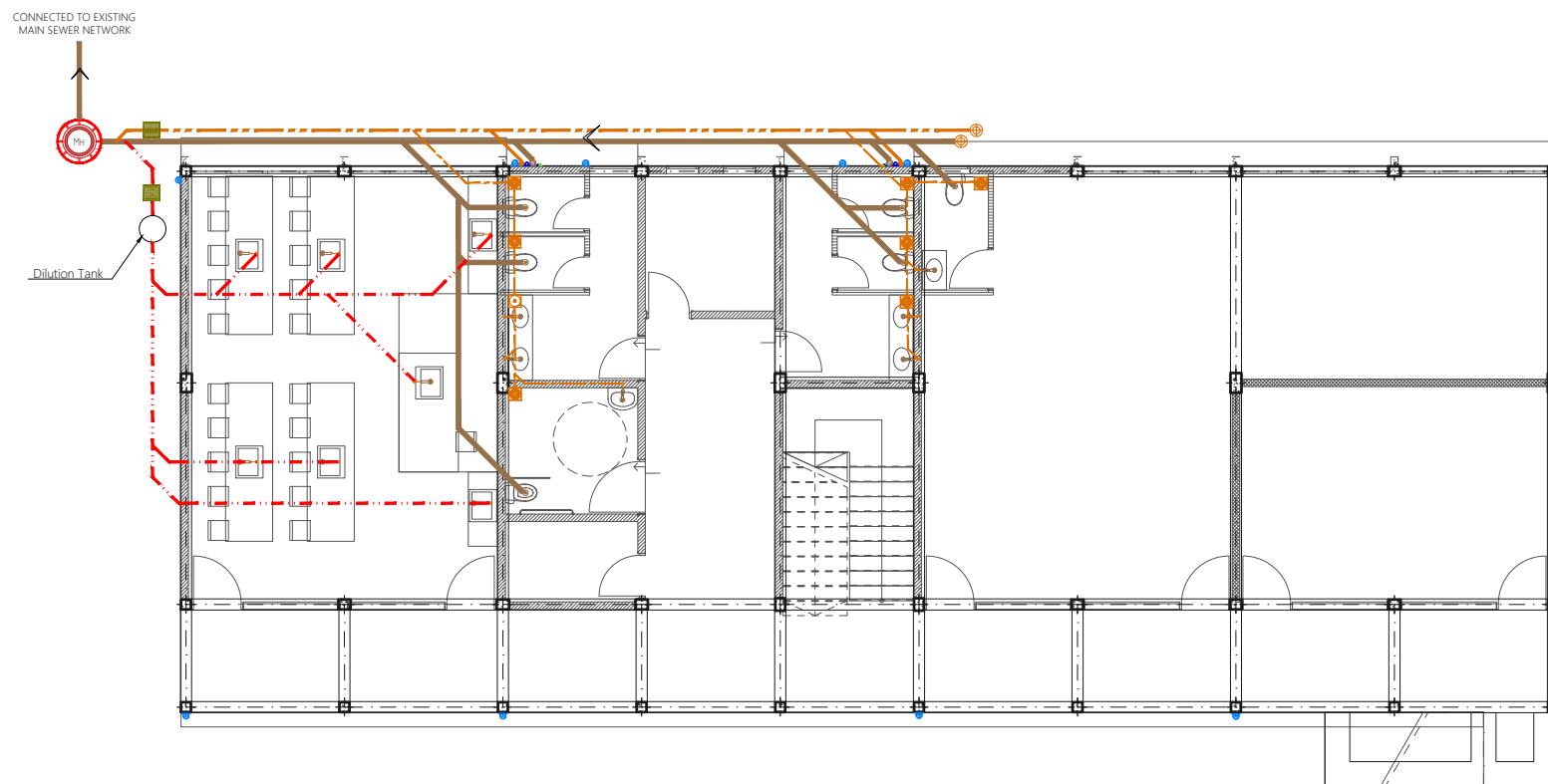
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- Legend
- Floor Drain
 - Floor Gully
 - 110Ø Soil Pipe (uPVC Pipe)
 - 110Ø Soil Vent Pipe (uPVC Pipe)
 - 82Ø Waste Pipe (uPVC Pipe)
 - 82Ø Waste Vent Pipe (uPVC Pipe)
 - 40Ø Waste Pipe (uPVC Pipe)
 - 82Ø Lab Waste Pipe (CPVC Pipe)
 - 82Ø Lab Waste Vent Pipe (CPVC Pipe)
 - 63Ø Manhole Vent Pipe (uPVC Pipe)
 - 110Ø Rain Water Pipes (uPVC Pipe)
 - Rodding Eye
 - 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

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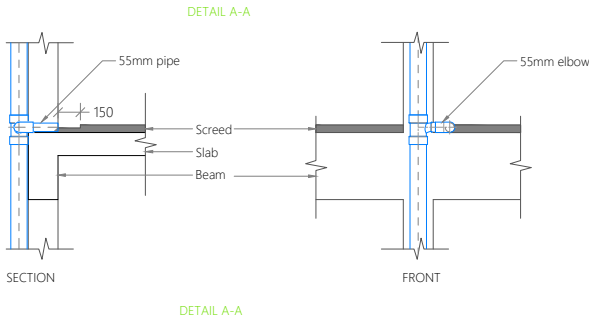
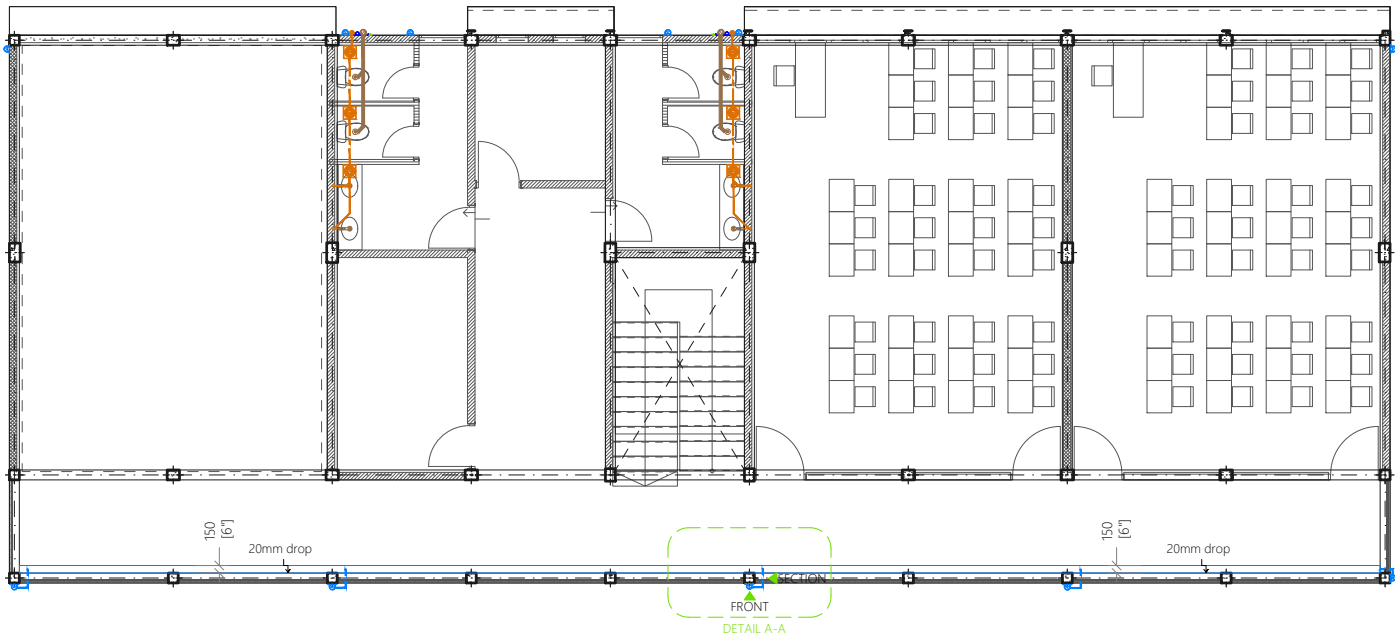
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Legend

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- Floor Gully
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- 110Ø Soil Vent Pipe (uPVC Pipe)
- 82Ø Waste Pipe (uPVC Pipe)
- 82Ø Waste Vent Pipe (uPVC Pipe)
- 40Ø Waste Pipe (uPVC Pipe)
- 82Ø Lab Waste Pipe (CPVC Pipe)
- 82Ø Lab Waste Vent Pipe (CPVC Pipe)
- 63Ø Manhole Vent Pipe (uPVC Pipe)
- 110Ø Rain Water Pipes (uPVC Pipe)
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- Bottle Trap
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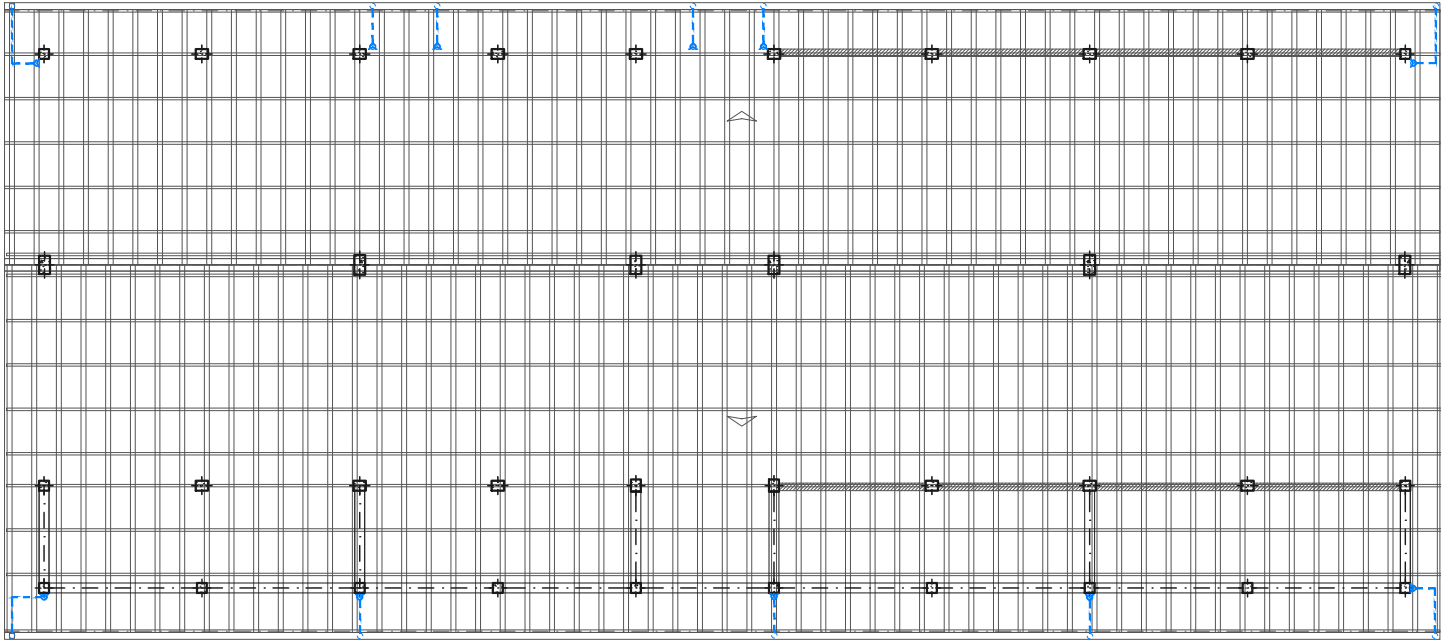
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