


























HDh. Nellaidhoo Health Center Portico And Extension













BUILDING SERVICES DRAWINGS
Kulhufushi Regional Hospital

EP/PR.J/2023/22/BS-01
Tuesday, August 1, 2023




Power Legend

-  13A Twin Socket
-  13A Twin Socket With USB Ports
-  Power Outlets On Bed Head Unit
-  13A Power Socket in Weatherproof Polycarbonate Enclosure
-  13A Power Socket
-  13A Power Socket In Polycarbonate Box
-  TPN Isolator
-  Distribution Board
-  Sub Main Distribution Board
-  82Ø PVC Duct For Tel./Internet Cable Lead In Below Ground Slab
-  82Ø PVC Duct For TV Cable Lead In Below Ground Slab
-  Main Incoming Cable For Power In 110Ø PVC Duct Below Ground Slab
-  HDMI Socket
-  Telephone Extension
-  Telephone Outlet
-  Computer Network Outlet
-  Twin Computer Network Outlet
-  Emergency Light
-  Electricity Meter
-  IT Distribution Board
-  Private Automatic Branch Exchange (PABX)
-  Internet Switchboard
-  Area Covered by Distribution Board















FDP Legend

-  CO₂ Extinguisher (load: 2kg) In Polycarbonate Enclosure
-  DCP Extinguisher (load: 6kg) In Polycarbonate Enclosure
-  H₂O Extinguisher (load: 9L) In Polycarbonate Enclosure
-  Resettable Manual Call Point (MCP)
-  Smoke Detector
-  Heat Detector
-  Beacon
-  Sounder Bell (85 DB)
-  2.5mm² Fire Retardant Low Smoke (FRLS) Cables In FRLS Conduits
-  Fire Alarm Control Panel (Addressable)
-  Exit Sign
-  Exit Sign With Arrow














Lighting Legend

-  Recessed Baffle Trim Led Ceiling Light Type 2 (10w)
-  Ceiling Recessed Spot Light (5w)
-  Ceiling Light (12W)
-  Ceiling Light (18W)
-  Indoor Wall Light (10W)
-  Wall Light - Weather Proof Ip55 (low Level 8W)
-  Ceiling Down Light (8W) - Weather Proof
-  Light Switch (1 Gang - 5 Gang)
-  Ceiling Fan Switch With Controller
-  Cement Board False Ceiling [200mm below beam bottom]
-  Cement Board False Ceiling [at roof beam top level]
-  Plaster Board False Ceiling [200mm below beam bottom]
-  Plaster Board False Ceiling [at roof beam top level]
-  42" To 48" Ceiling Fan
-  29" To 36" Ceiling Fan










Plumbing Legend

-  16Ø Cold Water Supply To Basin Faucet
-  16Ø Cold Water Supply To Wall Tap
-  16Ø Cold Water Supply To Head Shower
-  16Ø Cold Water Supply To Sink Tap
-  16Ø Cold Water Supply To Bidet Shower
-  16Ø Cold Water Supply To Cistern
-  Gate Valve
-  Rise In Wall
-  Drop In Wall
-  Water Meter
-  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 Under Ground





Drainage Legend

-  Floor Drain
-  Floor Gully
-  40Ø Stub For Washing Machine Or Tub
-  90Ø Stub For Bed Pan Washer
-  110Ø Soil Pipe (uPVC Pipe)
-  110Ø Soil Vent Pipe (uPVC Pipe)
-  82Ø Waste Pipe (uPVC Pipe)
-  82Ø Waste Vent Pipe (uPVC Pipe)
-  82Ø Lab Waste Pipe (CPVC Pipe)
-  82Ø Lab Waste Vent Pipe (CPVC Pipe)
-  40Ø Waste Pipe (uPVC Pipe)
-  50Ø Manhole Vent Pipe (uPVC Pipe)
-  110Ø Rain Water Pipes (uPVC Pipe)


ACV Legend

-  Refrigerant Pipes
-  25Ø Condensate Drain Pipe
-  40Ø Condensate Drain Riser Pipe
-  Wall Mount Air Conditioner
-  Outdoor Condensing Unit
-  1500 mm Length Air Curtain
-  Ceiling Mounted Exhaust Fan Connected to Respective Light Switches for the same area
-  15A Switched Socket above False Ceiling
-  13A Power Socket at Air Curtain Level






Public Address System Legend





-  System Server
-  LAN/WAN Switch Board
-  Public Address Master Station
-  Speaker

Nurses Call System Legend

-  Call Point To Nurses Station: Integrated In Bedhead
-  Nurse Station Panel Room Indicator

Electronic Access Control Legend

-  Electromagnetic Lock
-  Proximity Card Reader
-  Push Button
-  Door Bell Button
-  Door Bell

-  Manhole
-  Gully Trap
-  110Ø Rainwater Outlet
-  Rodding Eye
-  Bottle Trap
-  Bottle Trap For Sink
-  Rodding Eye
-  110Ø Rainwater Wall Outlet
-  110Ø RW Outlet Perforated Cowl

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Page Title
Legend

Scale : A4 1:100

Doc No : EP/PRJ/2023/22/BS-02

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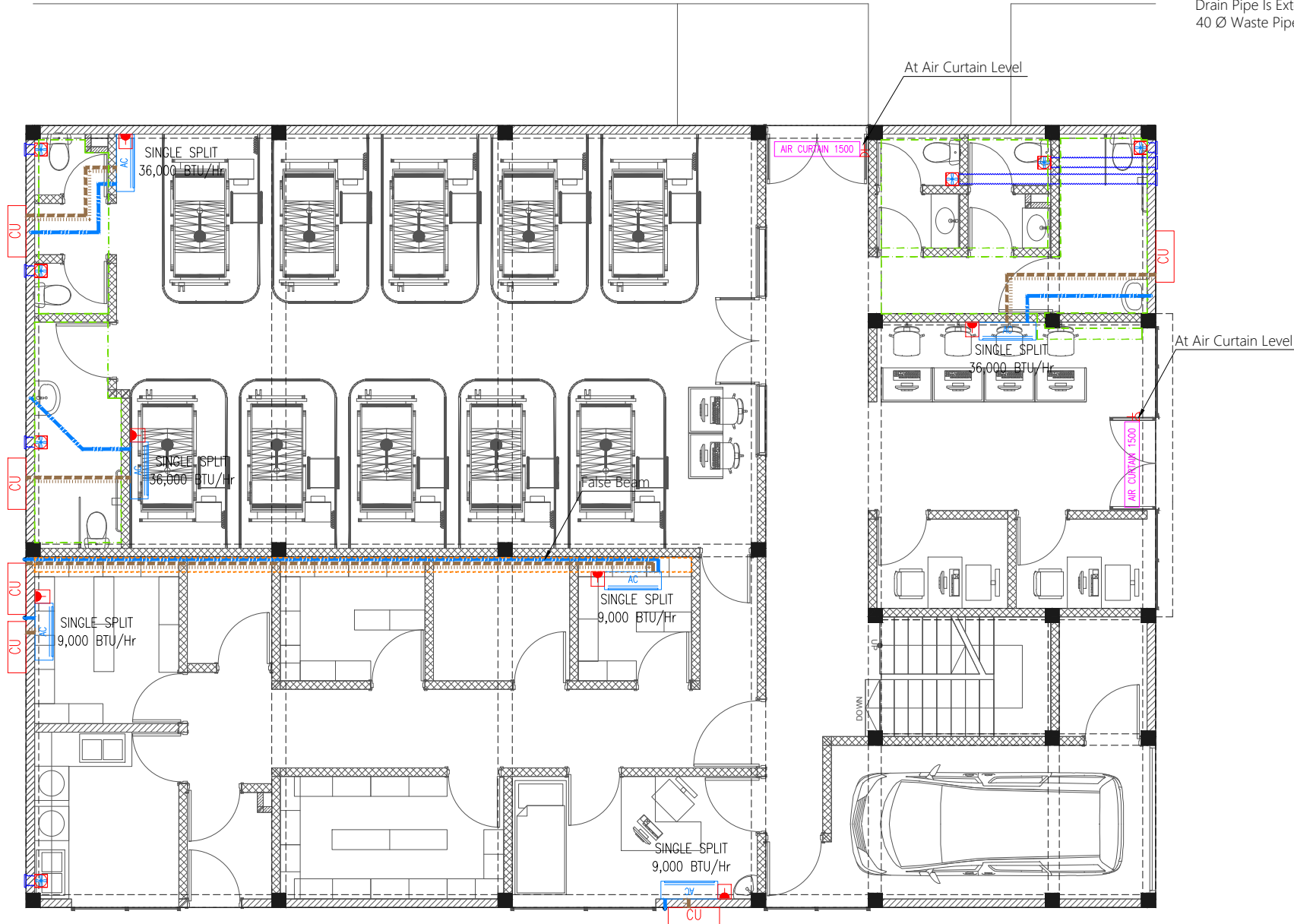
Rev No : | **Pg :** LEGEND

LEGEND

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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



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Page Title
Ground Floor Plan

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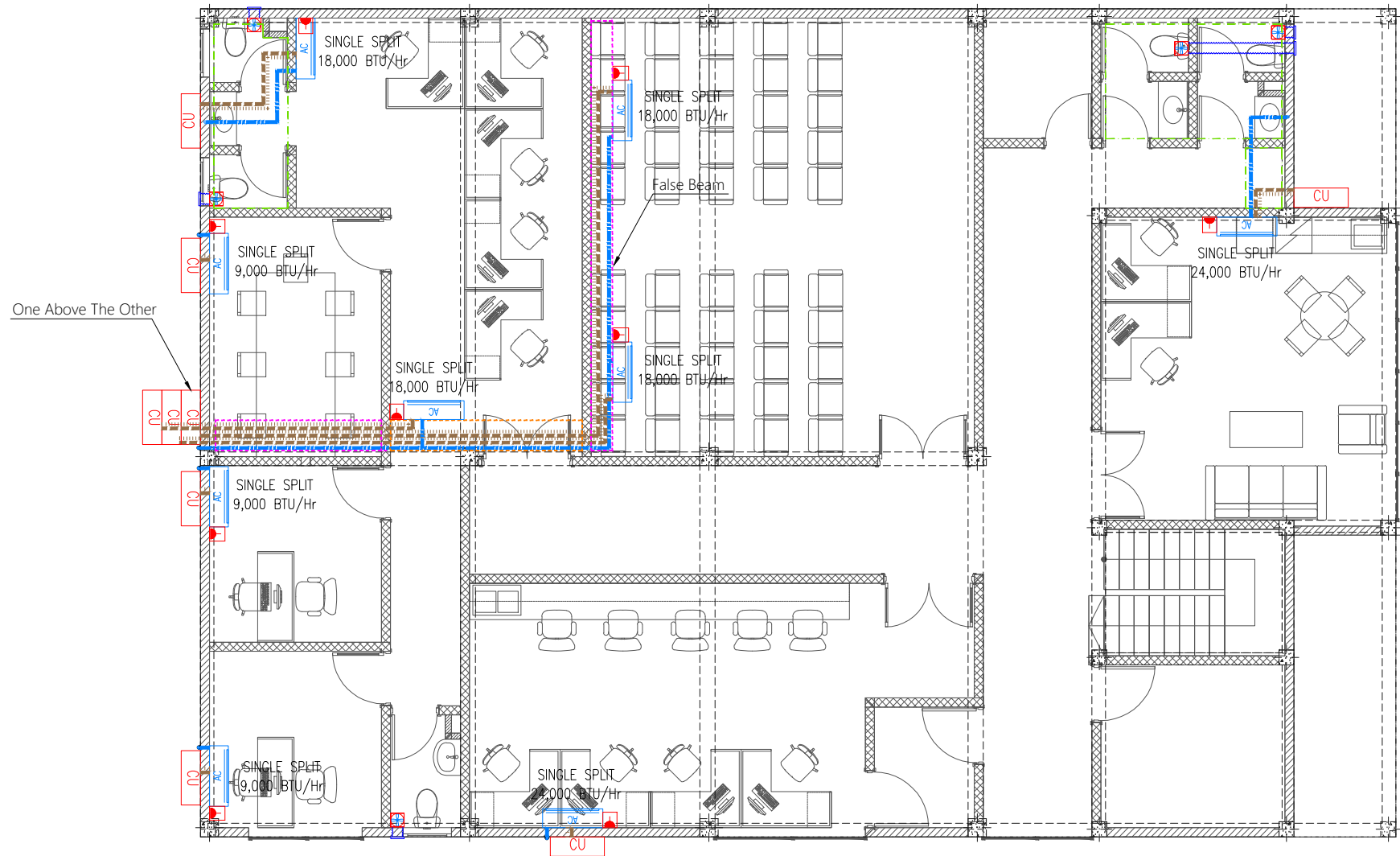
Rev No: | **Pg:** ACV-01

GROUND FLOOR ACV LAYOUT

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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



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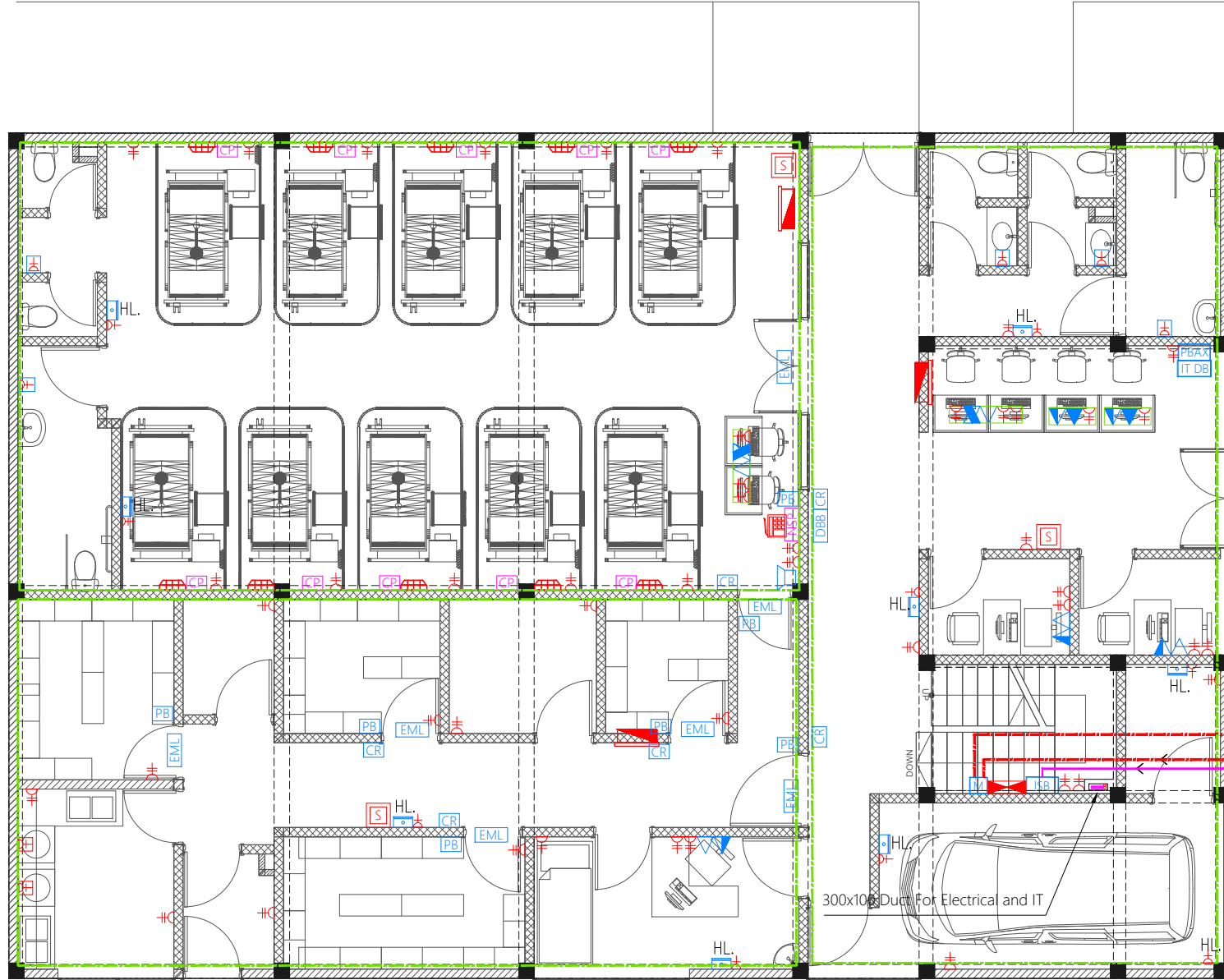
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Rev No: | **Pg:** ACV-02

FIRST FLOOR ACV LAYOUT

1:100

- Notes: -
- All Emergency Lights, 13A Power Sockets 400mm below False Ceiling level
 - All 13A Twin Sockets At 300mm From F.F.L. Except Located At Lab Workstations, Staff Lounge Pantry Area and Laundry Sink Area Which Shall Be At 1200mm From F.F.L.
 - All Computer And Telephone Points At 300mm From F.F.L.
 - Electrical Panel board with meter shall be installed in the maintenance store



12MM CU. EARTH ROD
1M DEPTH & EARTH PIT

300x100 Duct For Electrical and IT

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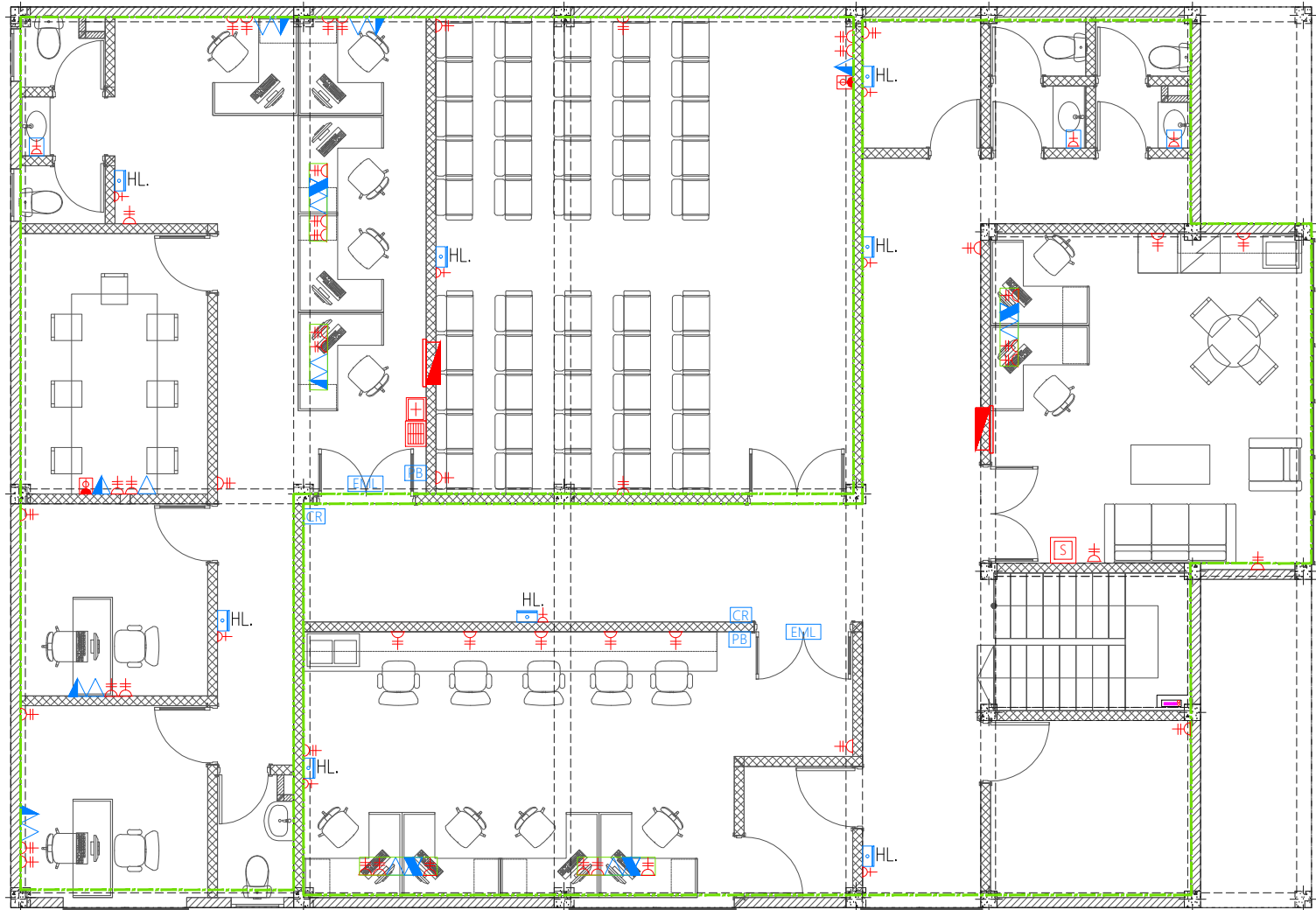
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GROUND FLOOR POWER LAYOUT

1:100

- Notes: -
- All Emergency Lights, 13A Power Sockets 400mm below False Ceiling level
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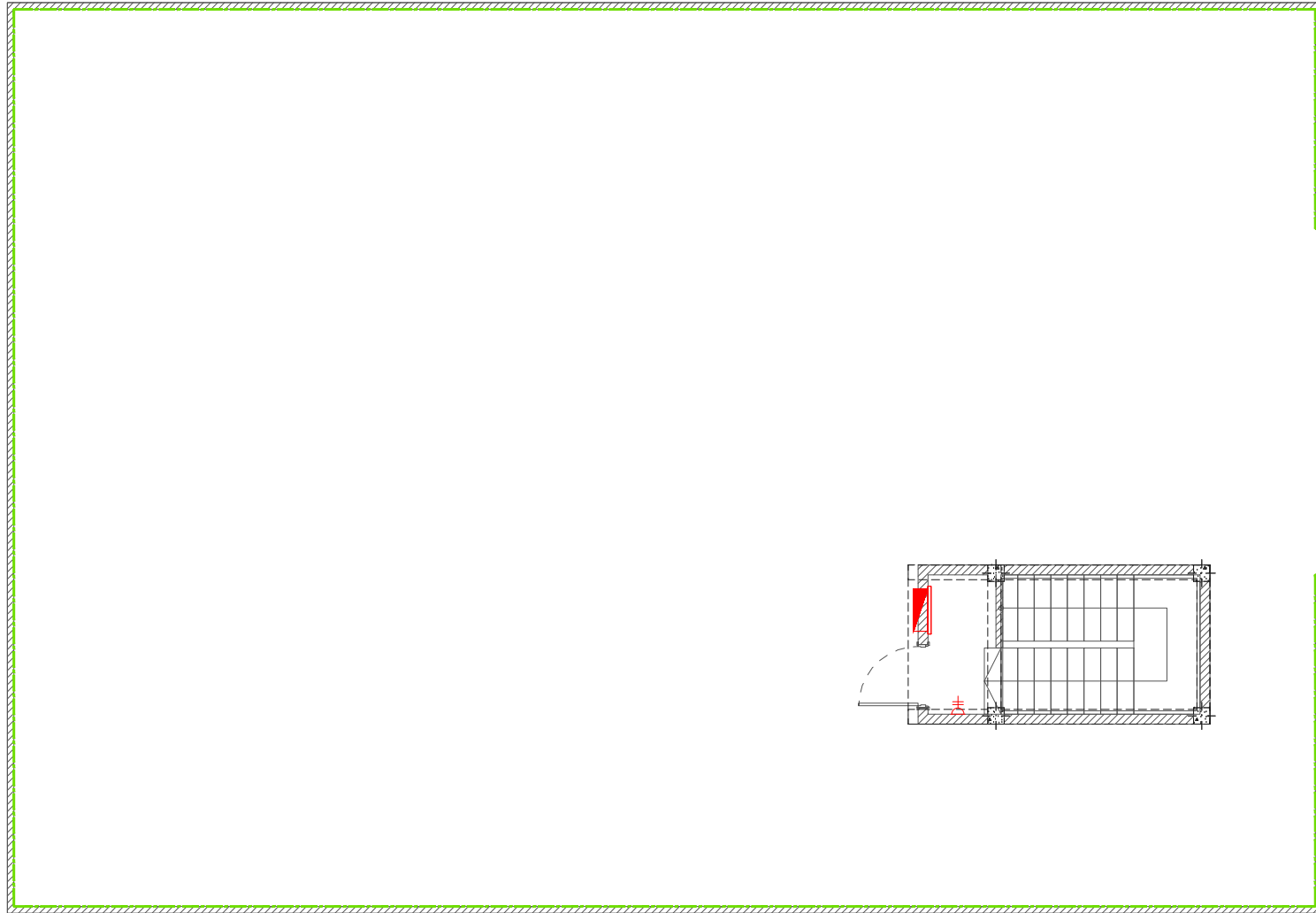
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Rev No : | **Pg :** PW-02

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1:100

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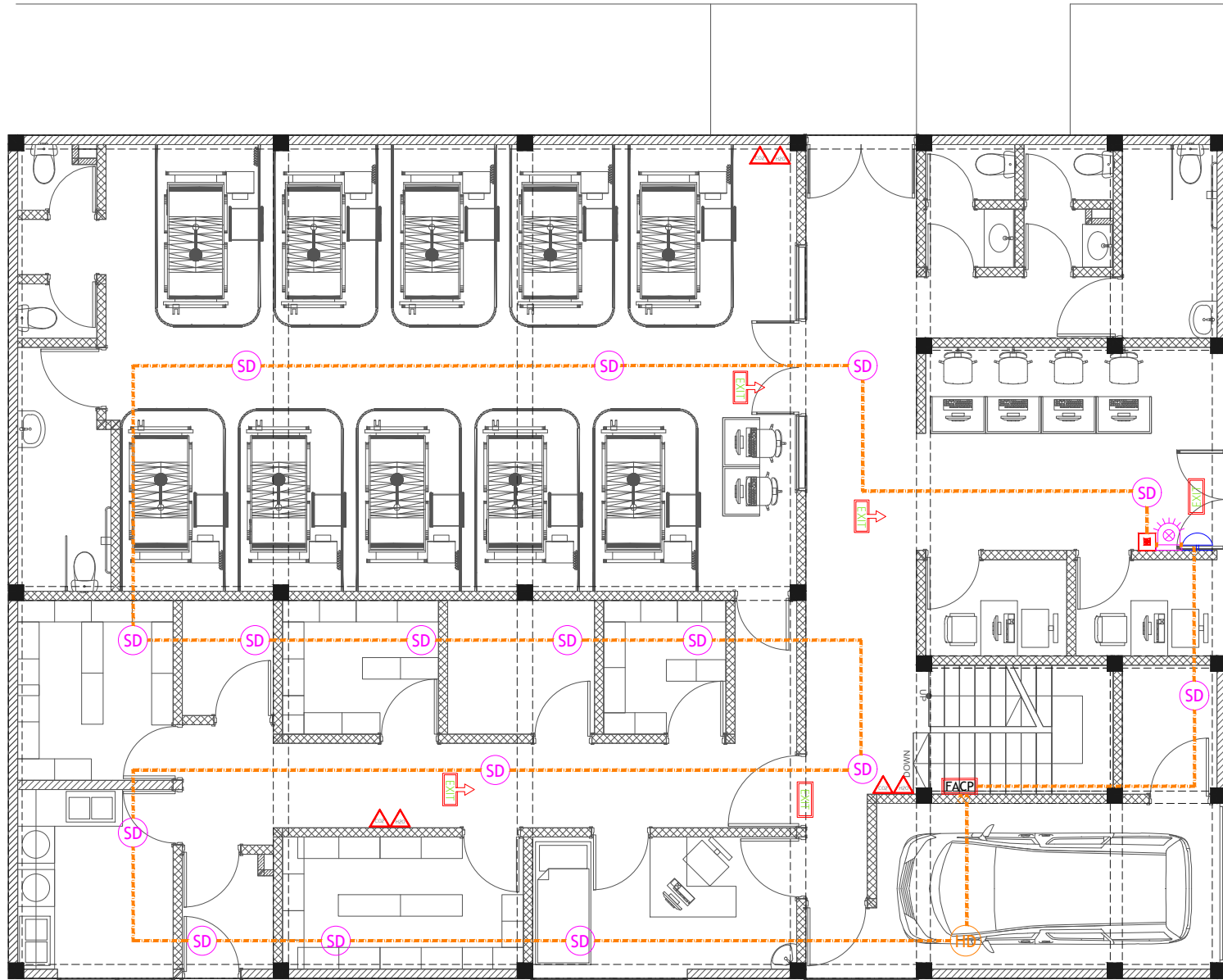
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TERRACE POWER LAYOUT

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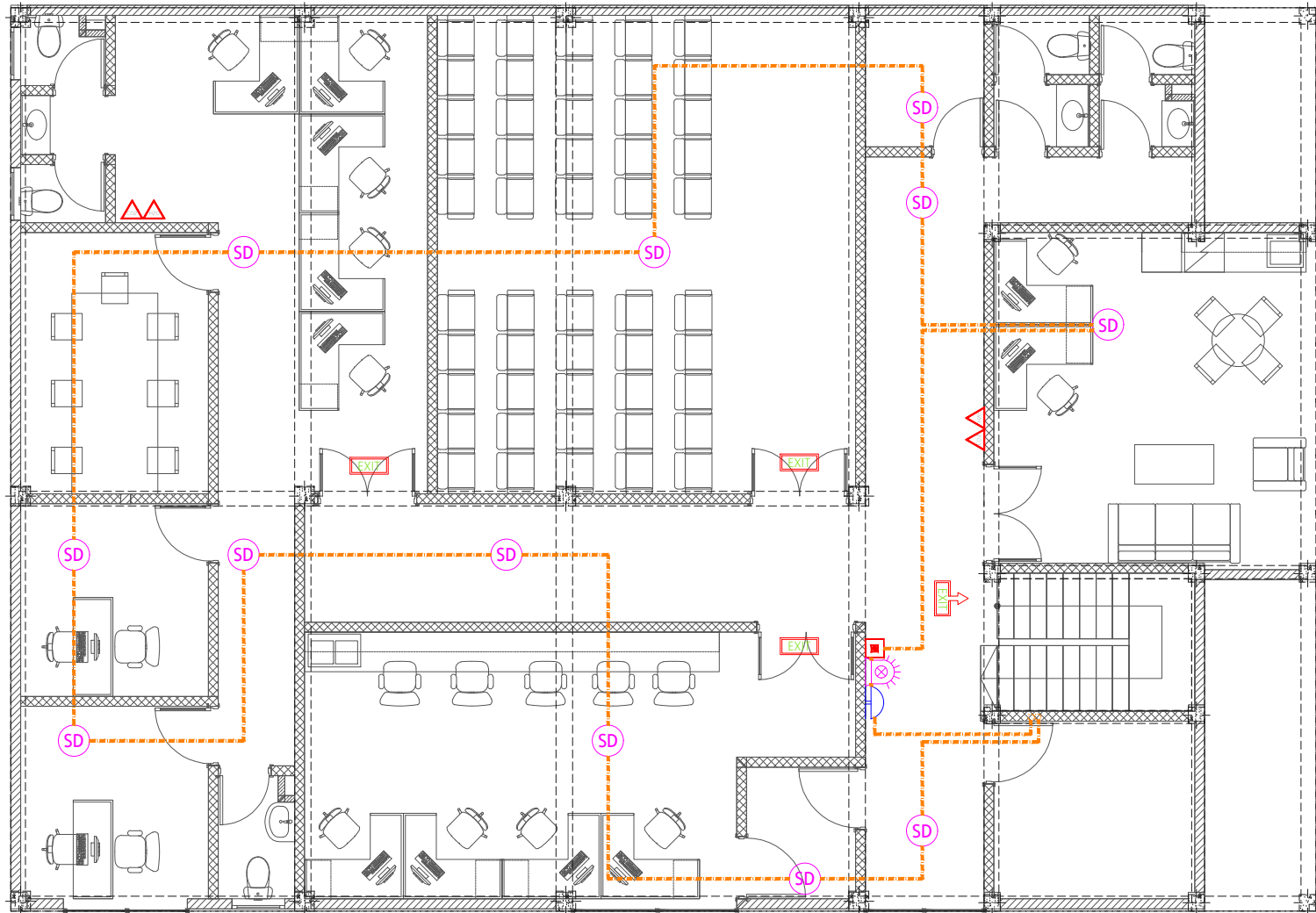
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GROUND FLOOR FIRE DETECTION AND PROTECTION LAYOUT

1:100



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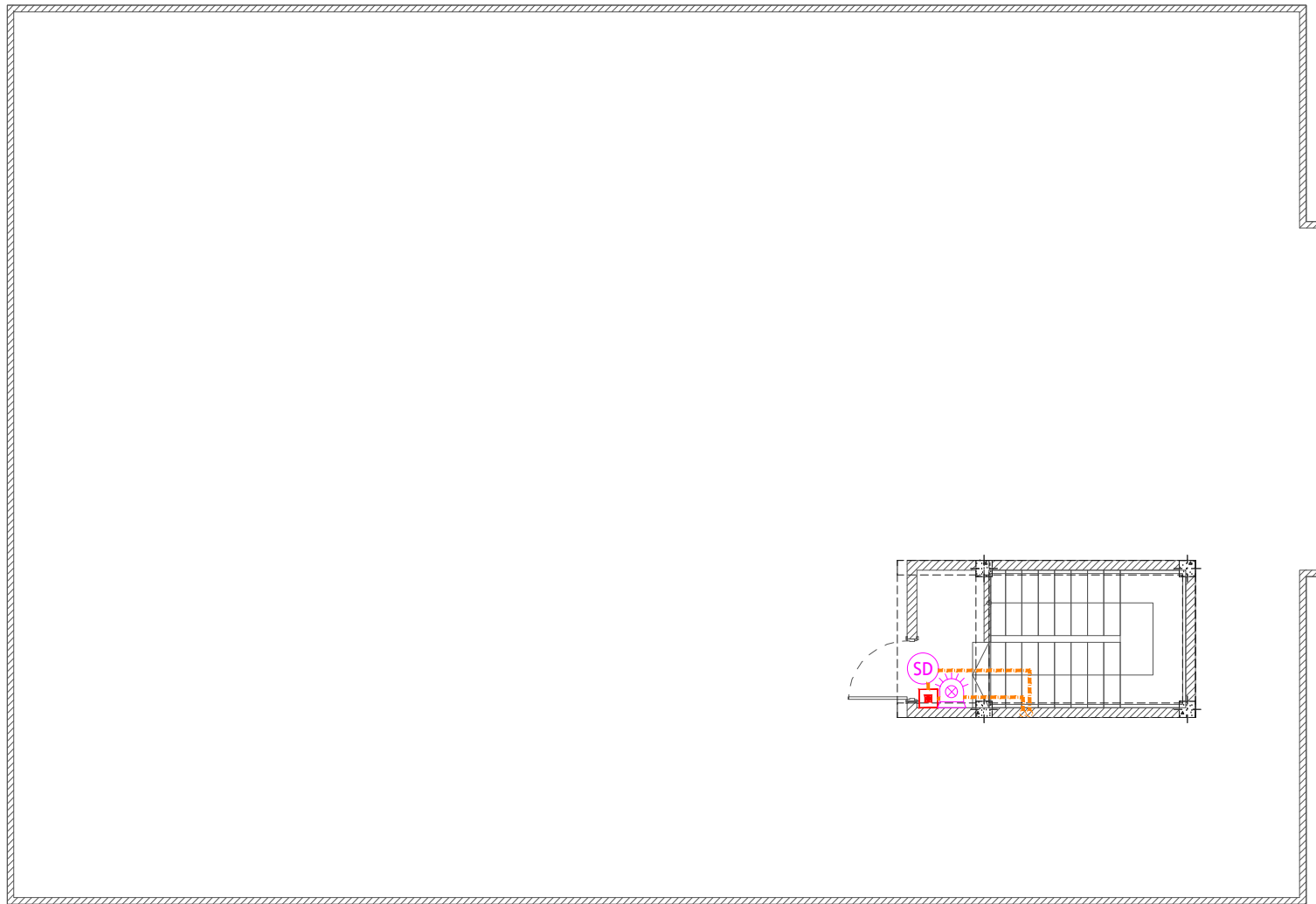
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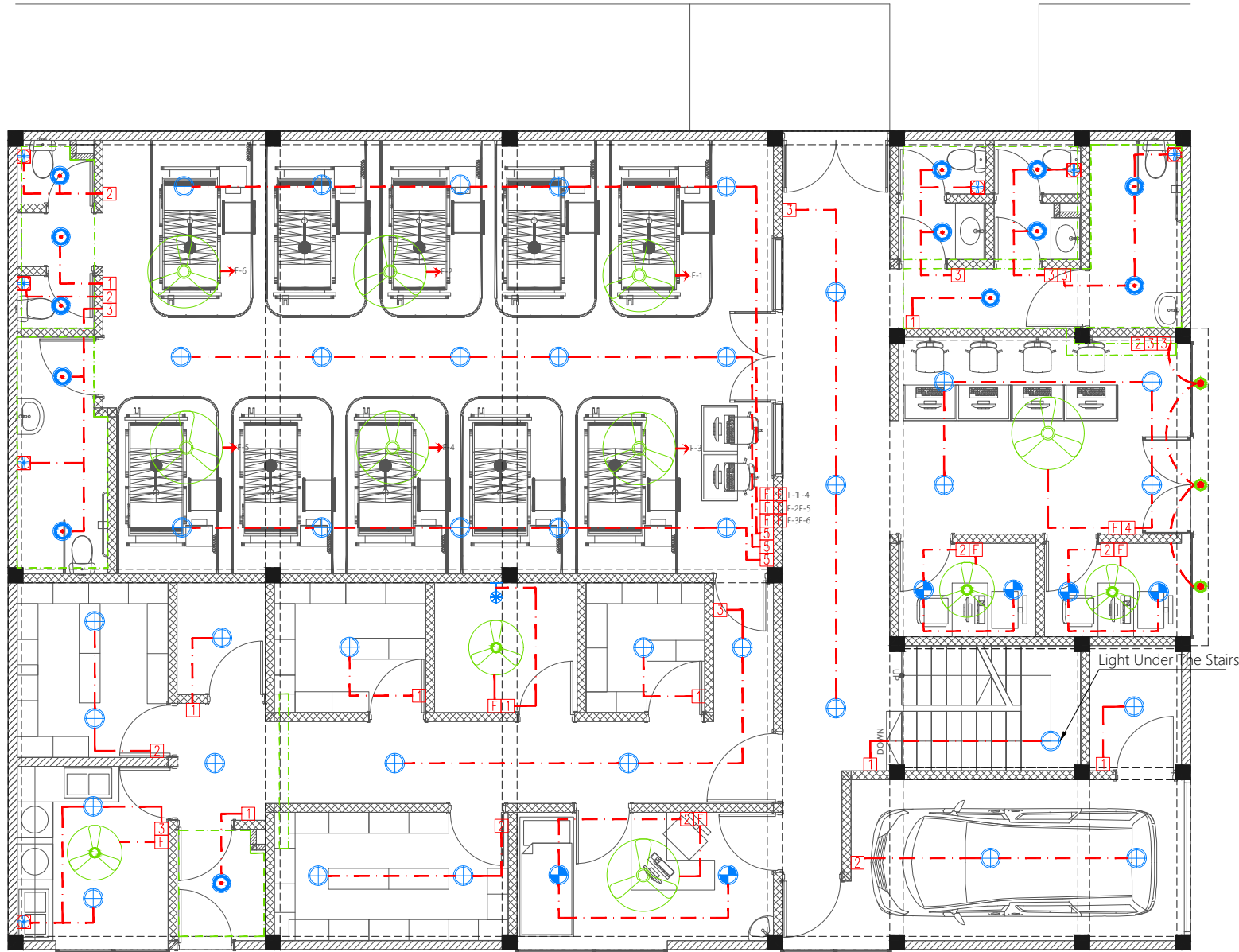
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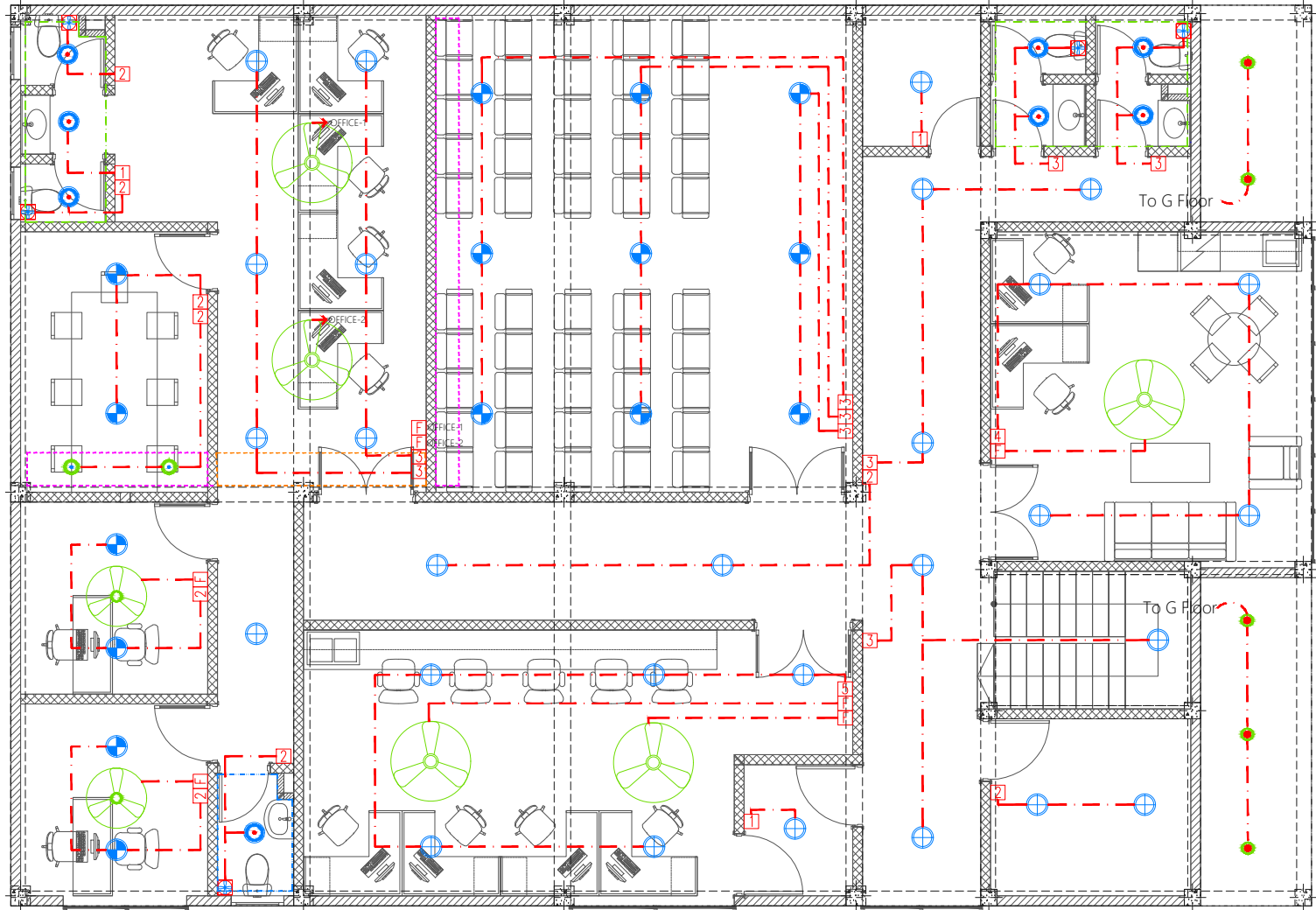
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GROUND FLOOR LIGHTING LAYOUT

1:100



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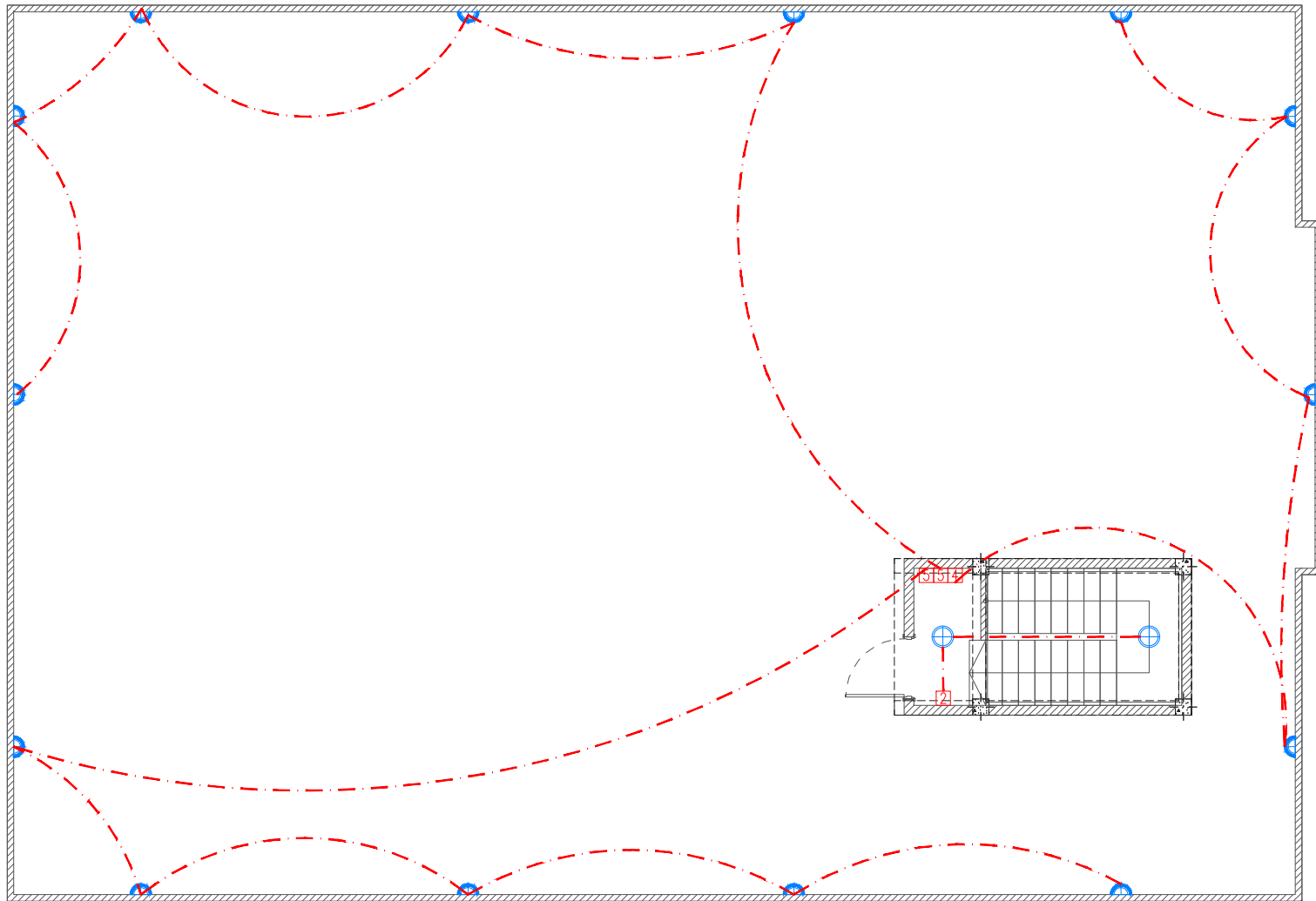
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FIRST FLOOR LIGHTING LAYOUT

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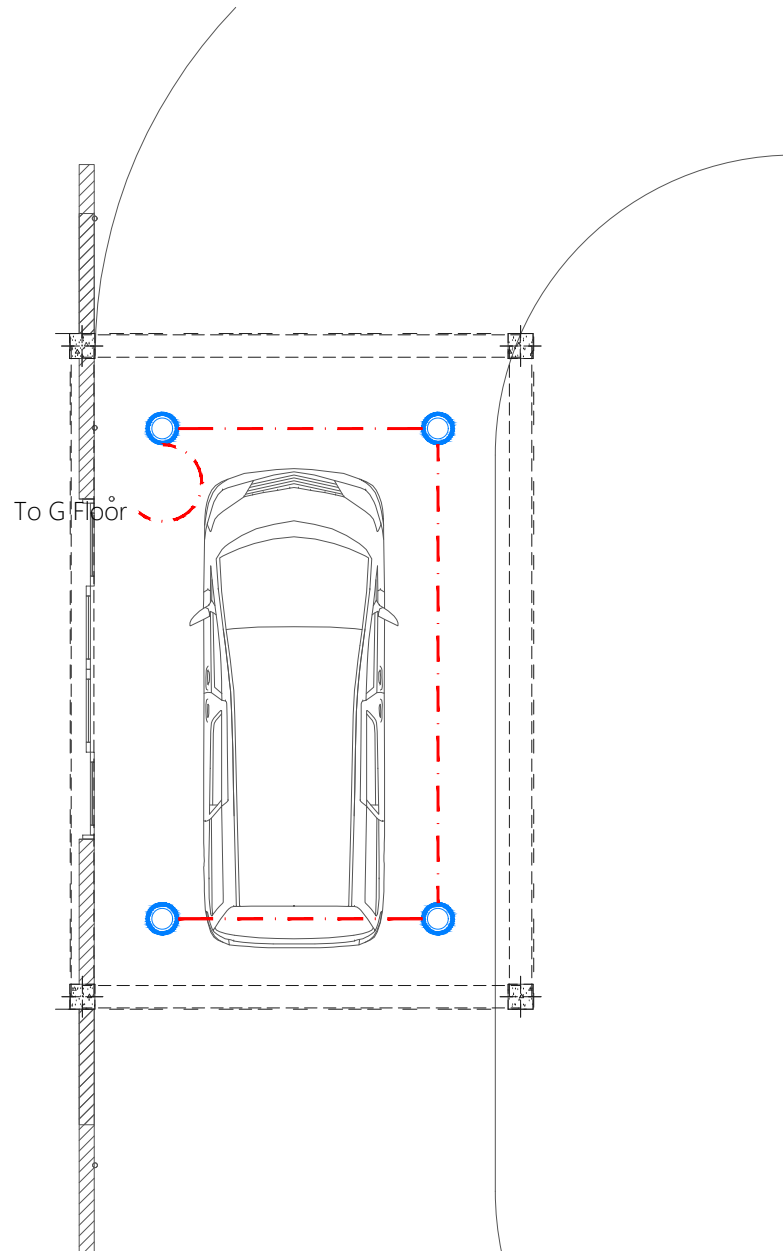
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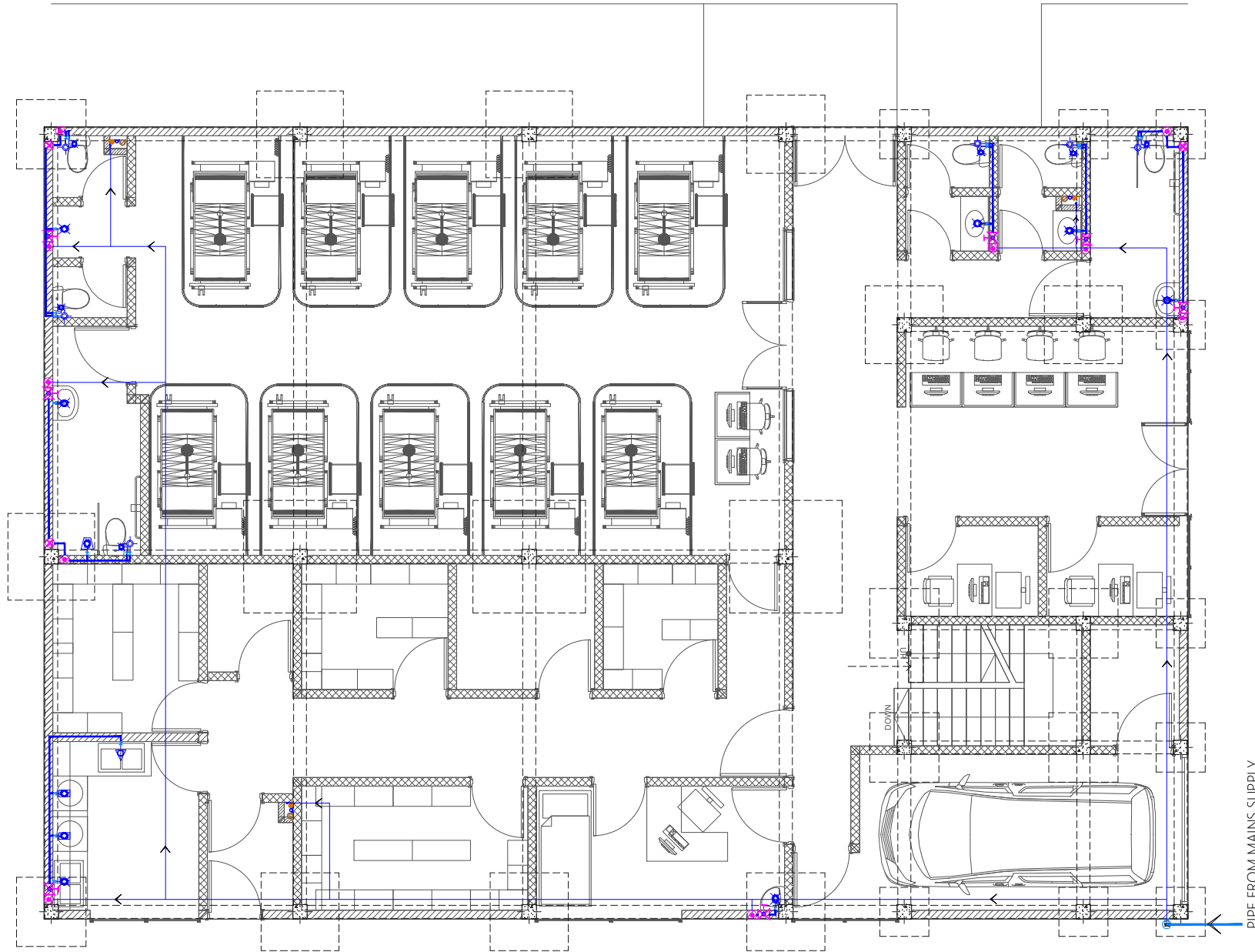
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PORTICO EXTENSION LIGHTING LAYOUT

1:100

Notes: -

-All Cold Water Pipes Should Be PVC



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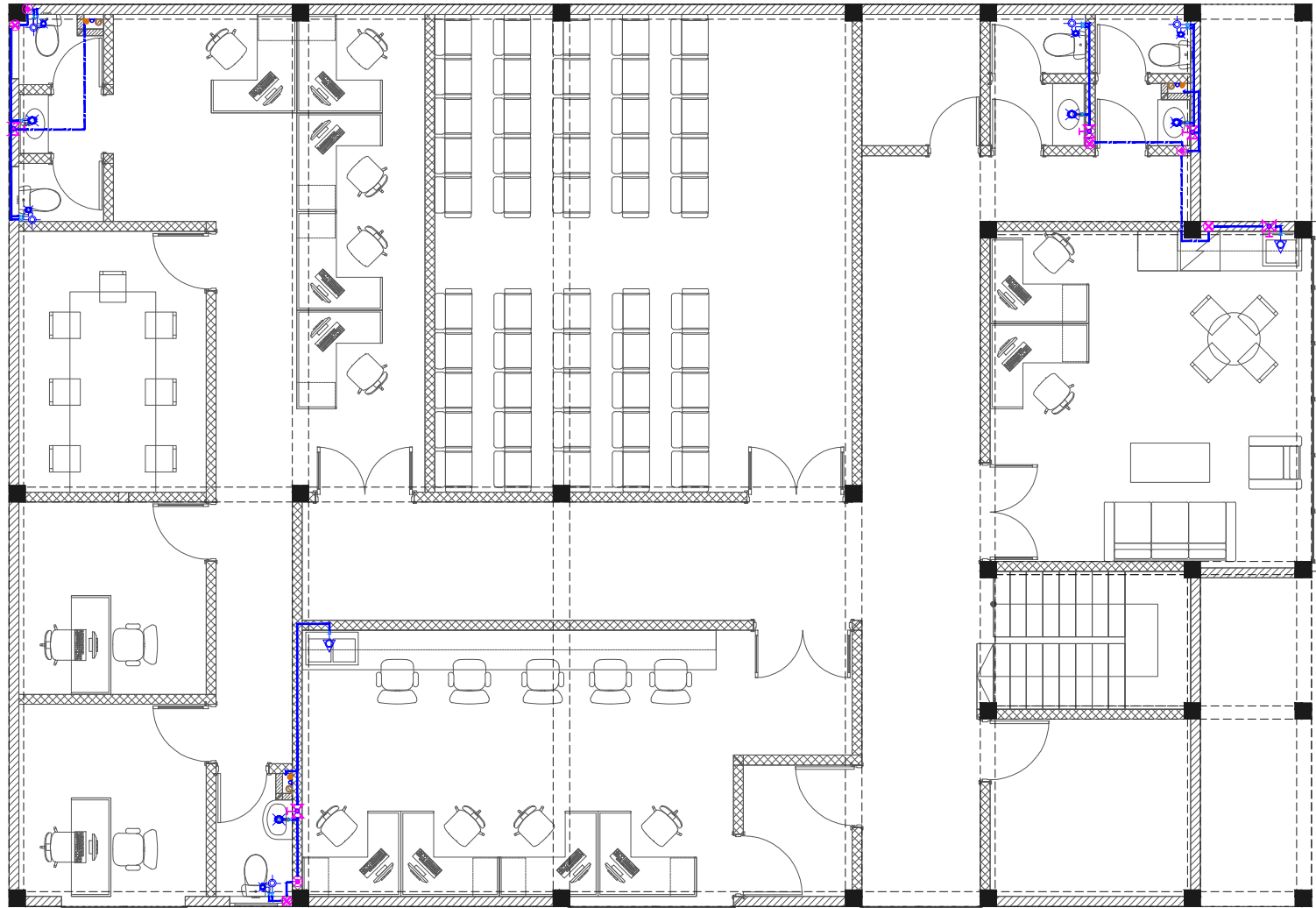
Rev No: | **Pg:** PL-01

GROUND FLOOR PLUMBING LAYOUT

1:100

Notes: -

-All Cold Water Pipes Should Be PVC



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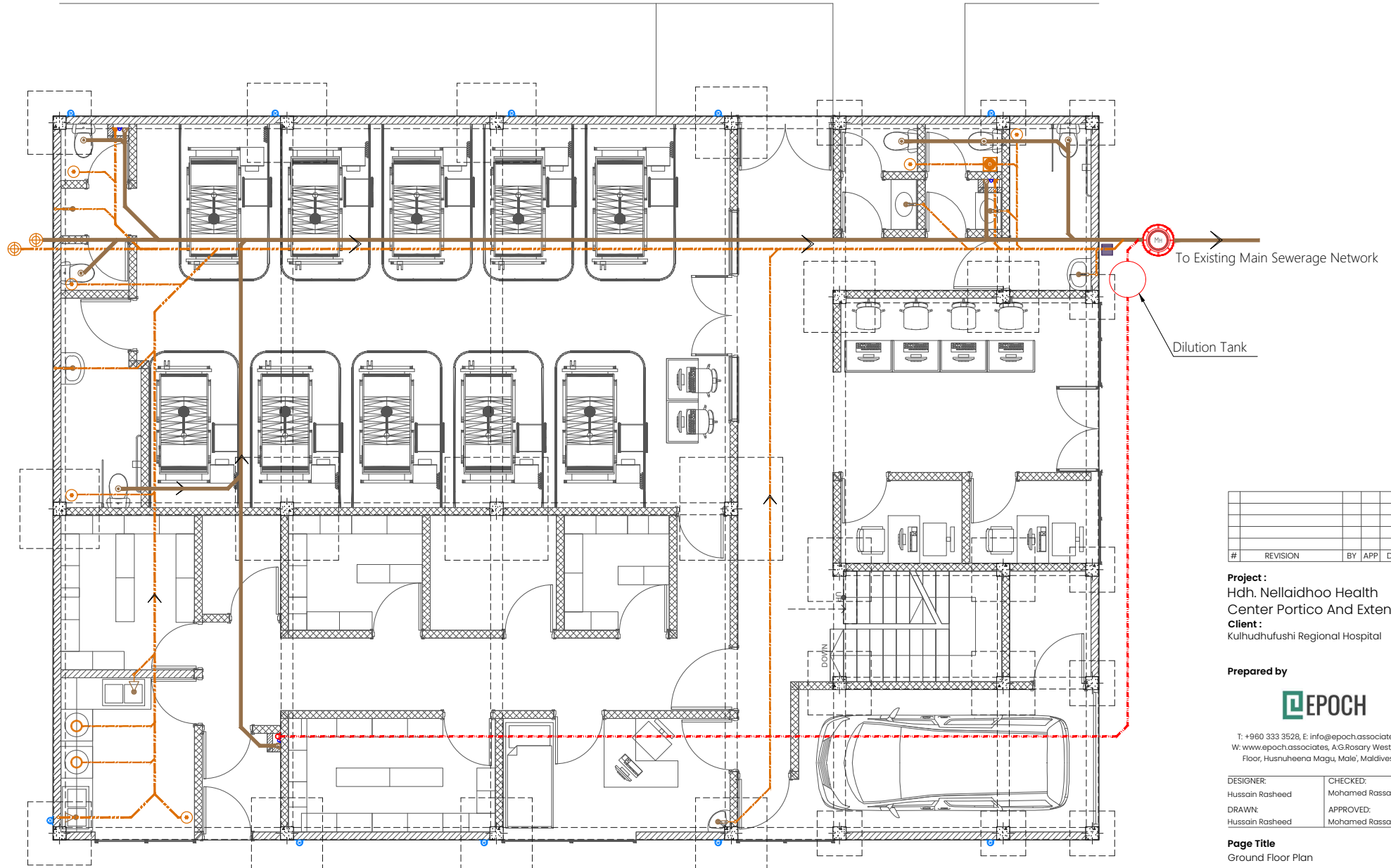
Rev No : | **Pg :** PL-02

FIRST FLOOR PLUMBING LAYOUT

1:100

Notes: -

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



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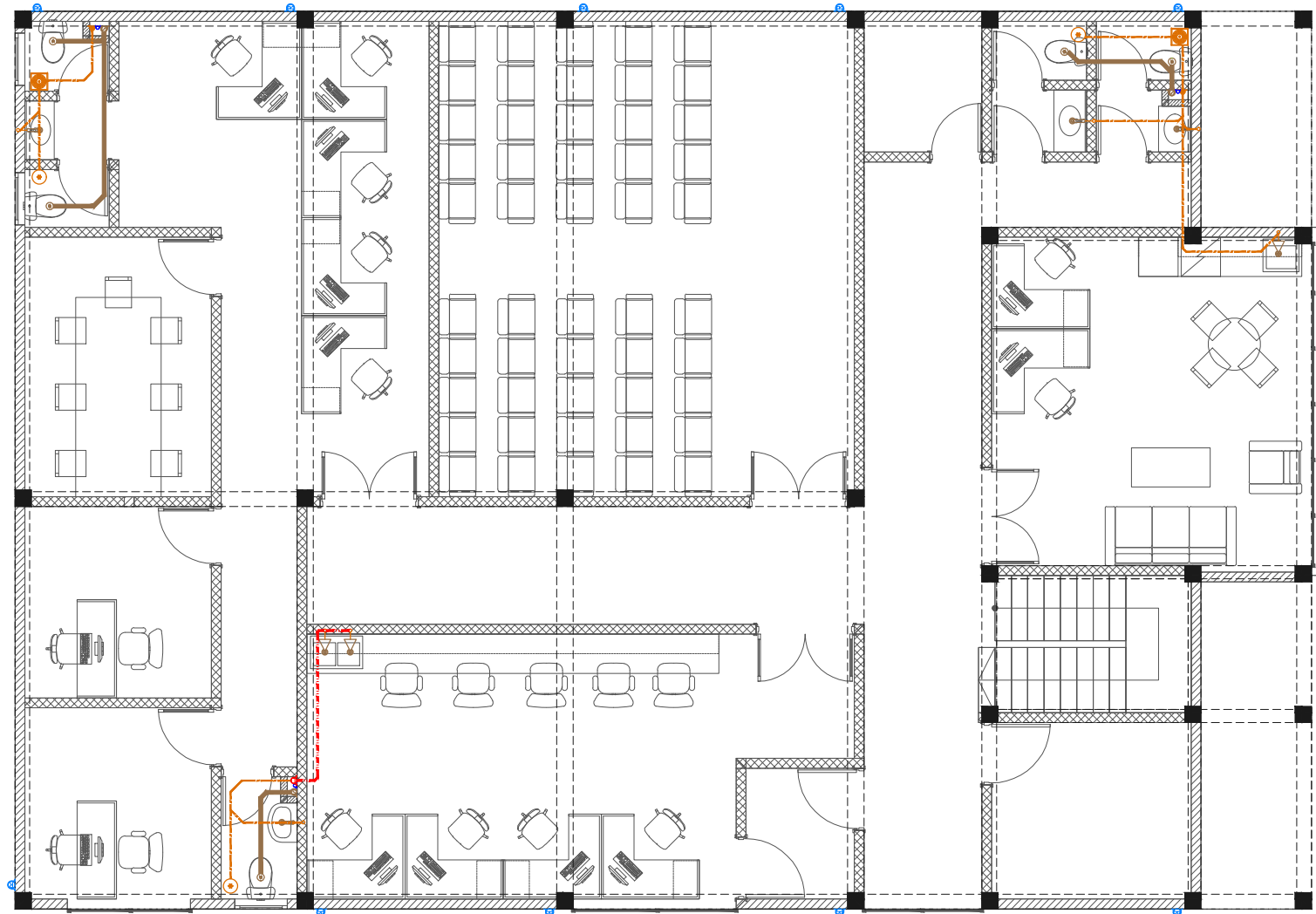
Rev No: | **Pg:** DR-01

GROUND FLOOR DRAINAGE LAYOUT

1:100

Notes: -

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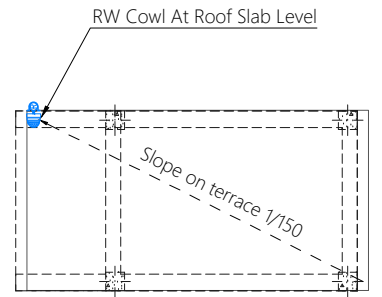
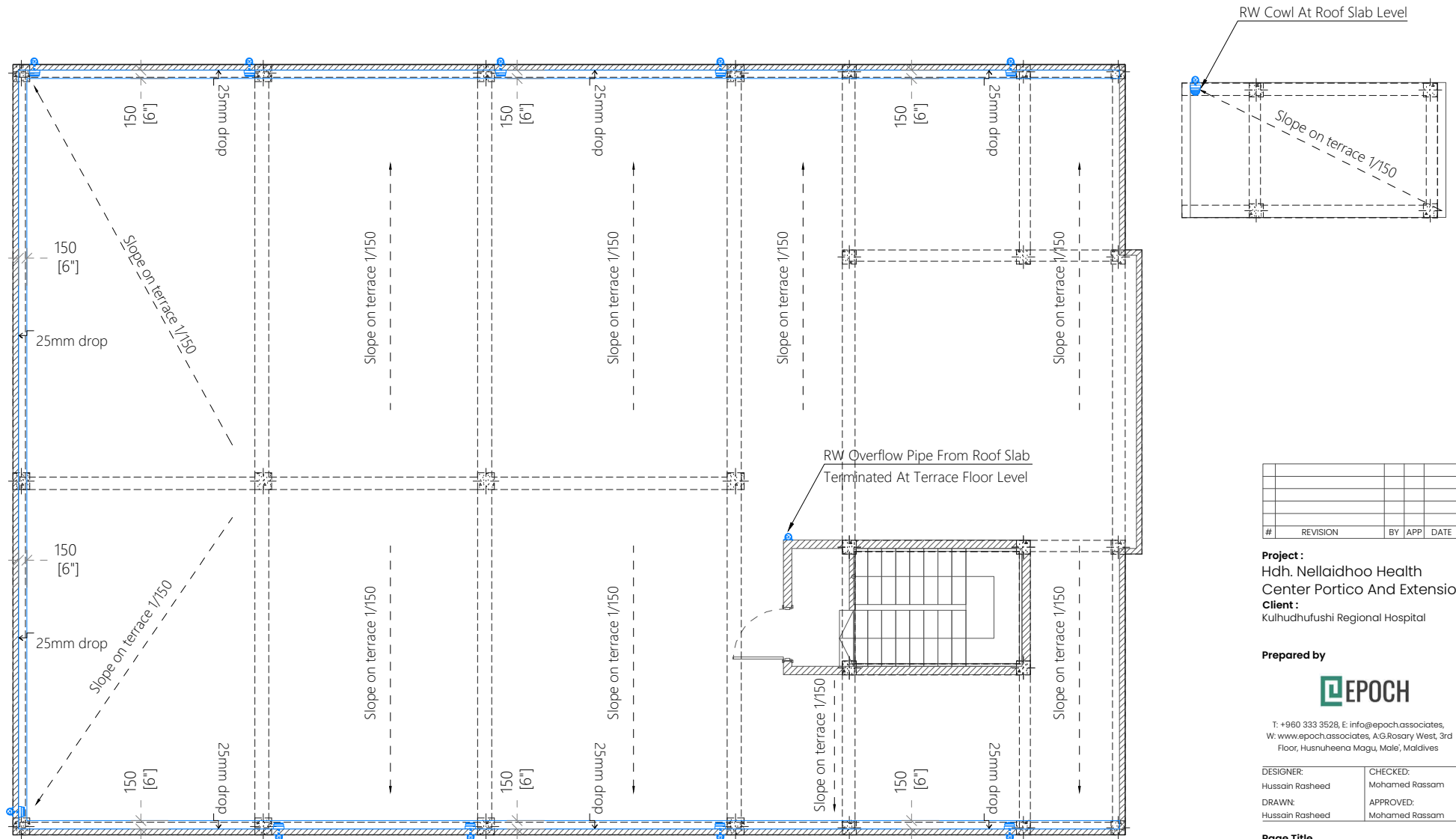
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FIRST FLOOR DRAINAGE LAYOUT

1:100



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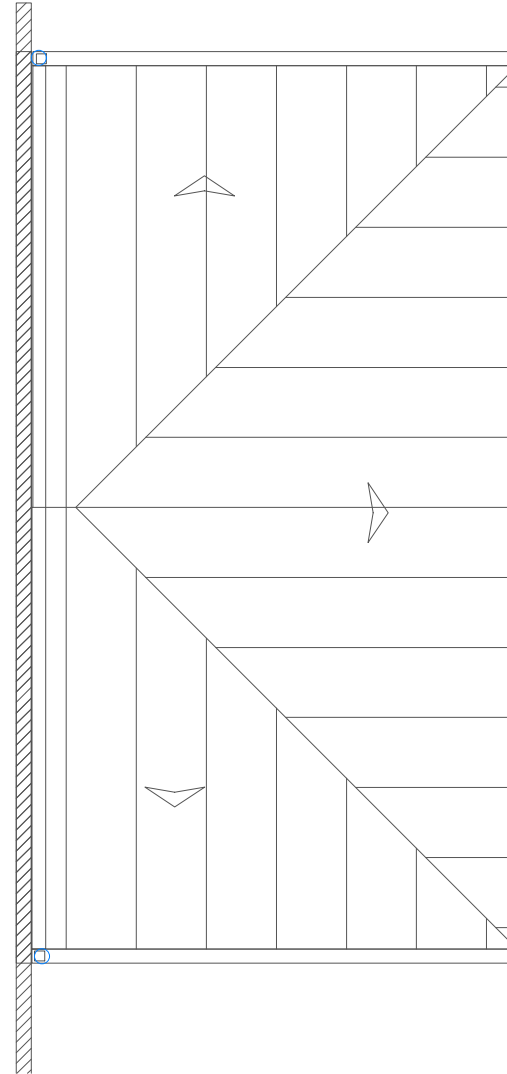
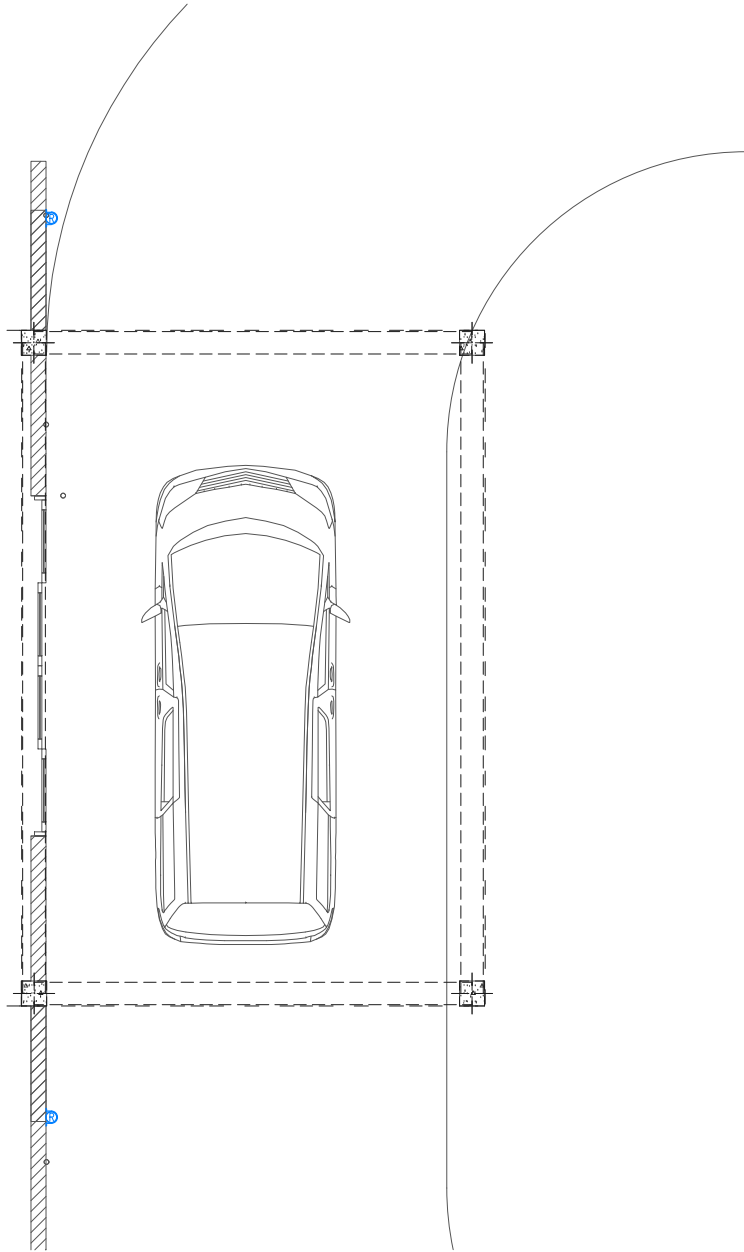
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TERRACE DRAINAGE LAYOUT

1:100



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PORTICO EXTENSION DRAINAGE LAYOUT

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