



TVET Center Accommodation Block  
R. Alifushi

BUILDING SERVICES DRAWINGS  
Ministry of Higher Education

Legend

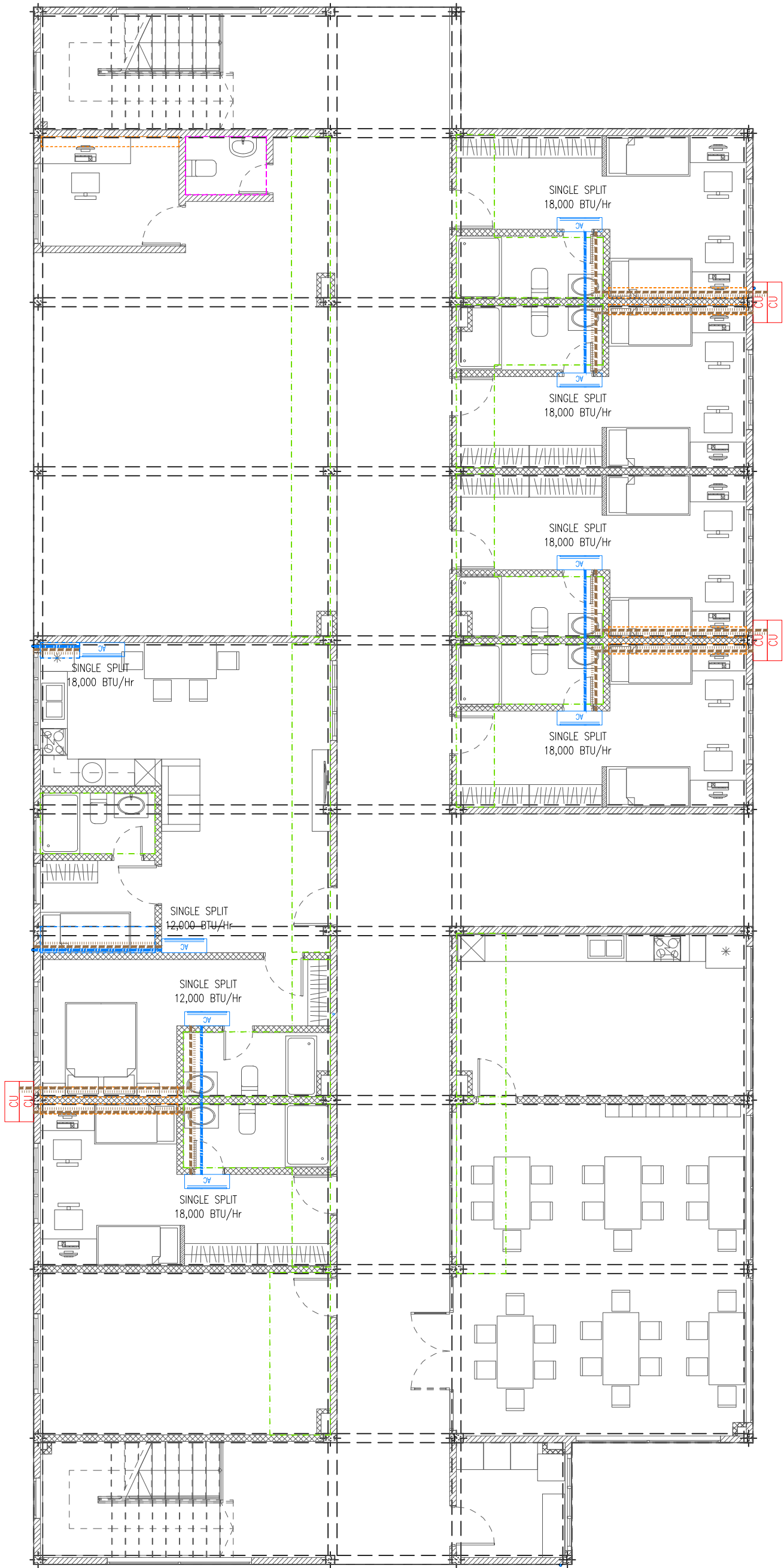
- Refrigerant Pipes
- 25Ø Condensate Drain Pipe
- 40Ø Condensate Drain Riser Pipe
- CU

Outdoor Condensing Unit
- AC


Wall Mount Air Conditioner


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


- Cement Board False Ceiling [200mm below beam bottom]
- Cement Board False Ceiling [at beam bottom level]
- Plaster Board False Ceiling [200mm below beam bottom]
- Cement Board False Ceiling [at beam bottom level]





Legend

- 

Refrigerant Pipes
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25Ø Condensate Drain Pipe
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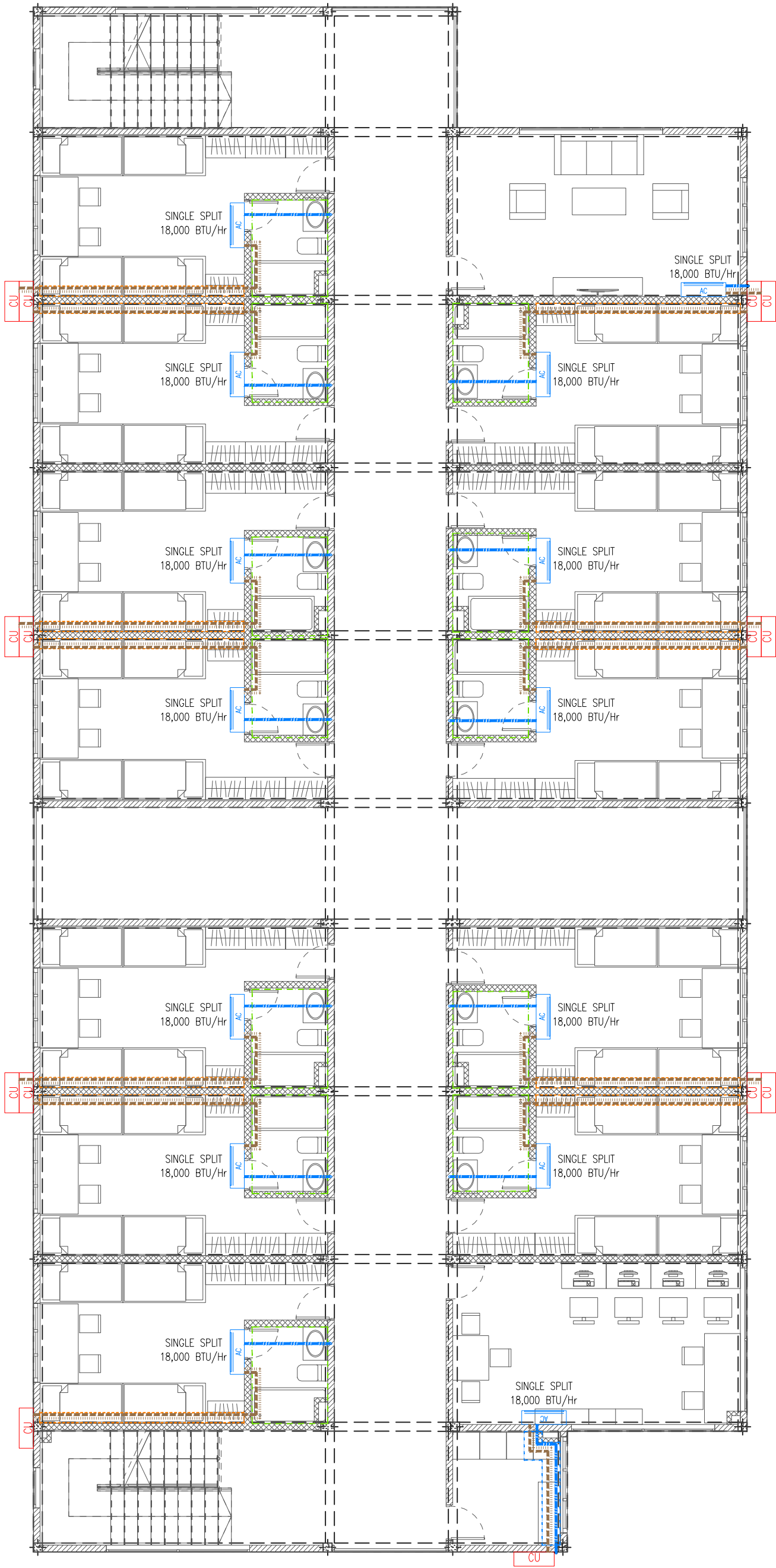
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Cement Board False Ceiling [200mm below beam bottom]
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Cement Board False Ceiling [at beam bottom level]
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Plaster Board False Ceiling [200mm below beam bottom]
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Cement Board False Ceiling [at beam bottom level]



Legend

- 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
- 13A Power Socket
- 13A Power Socket in Weatherproof Polycarbonate Enclosure
- 13A Twin Socket
- 15A Switched Socket @ H.L.
- 15A Cooker Socket 300mm From F.F.L.
- Distribution Board
- HL.

High Level
- Ceiling Mounted Exhaust Fan 90m3/hr
- Kitchen Hood

- Angular Camera
- DNVR

Digital/network Video Recorder
- Monitor

Security Monitor
- ISB

Internet Switchboard
- MNB

Medianet Booster
- Telephone Outlet
- Computer Network Outlet
- TV

TV Socket Outlet
- Emergency Light

Notes: -

- All Twin Sockets At 300mm From F.F.L. Except Located At Kitchen Cupboard Area Which Shall Be At 1200mm From F.F.L
- 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
- All 20A Switched Neon Indicator At 1200mm From F.F.L.



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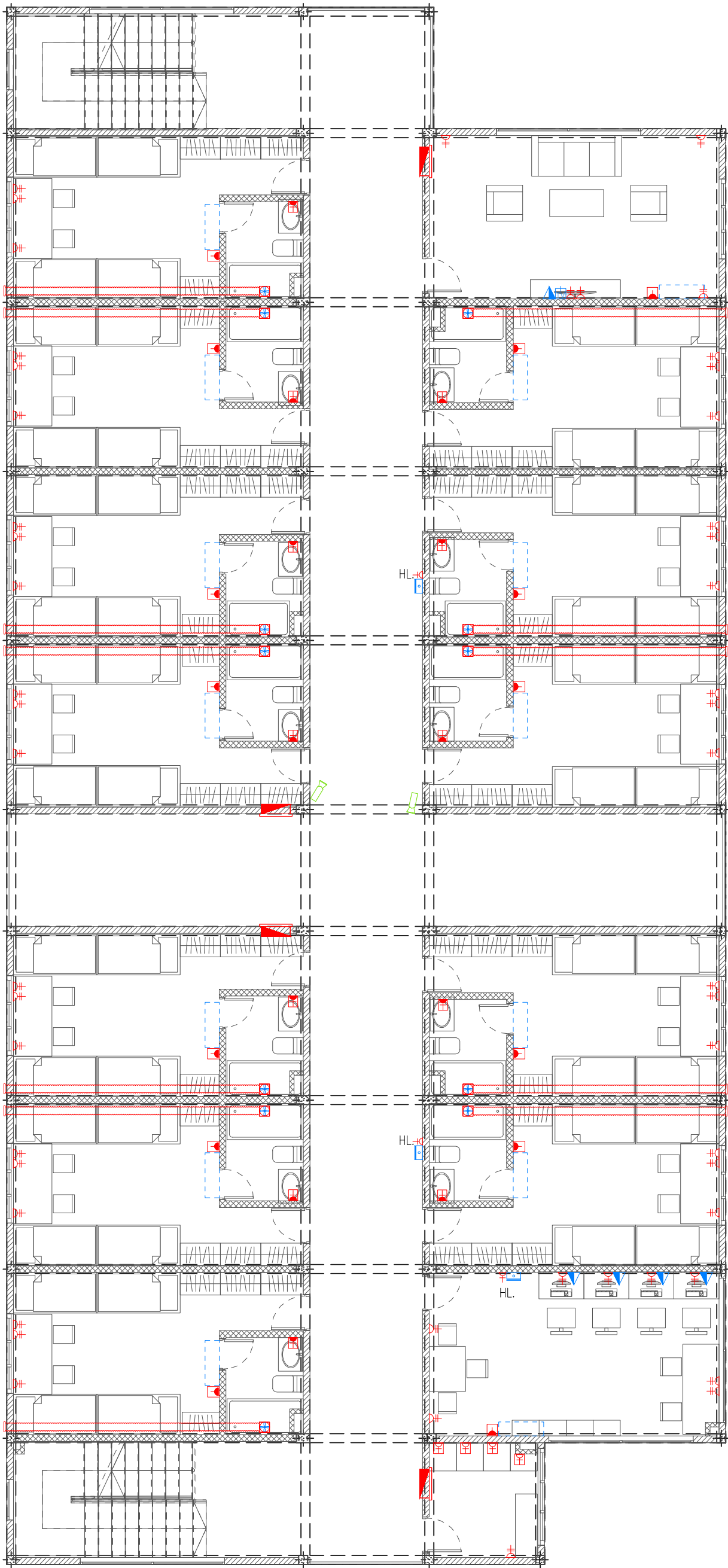
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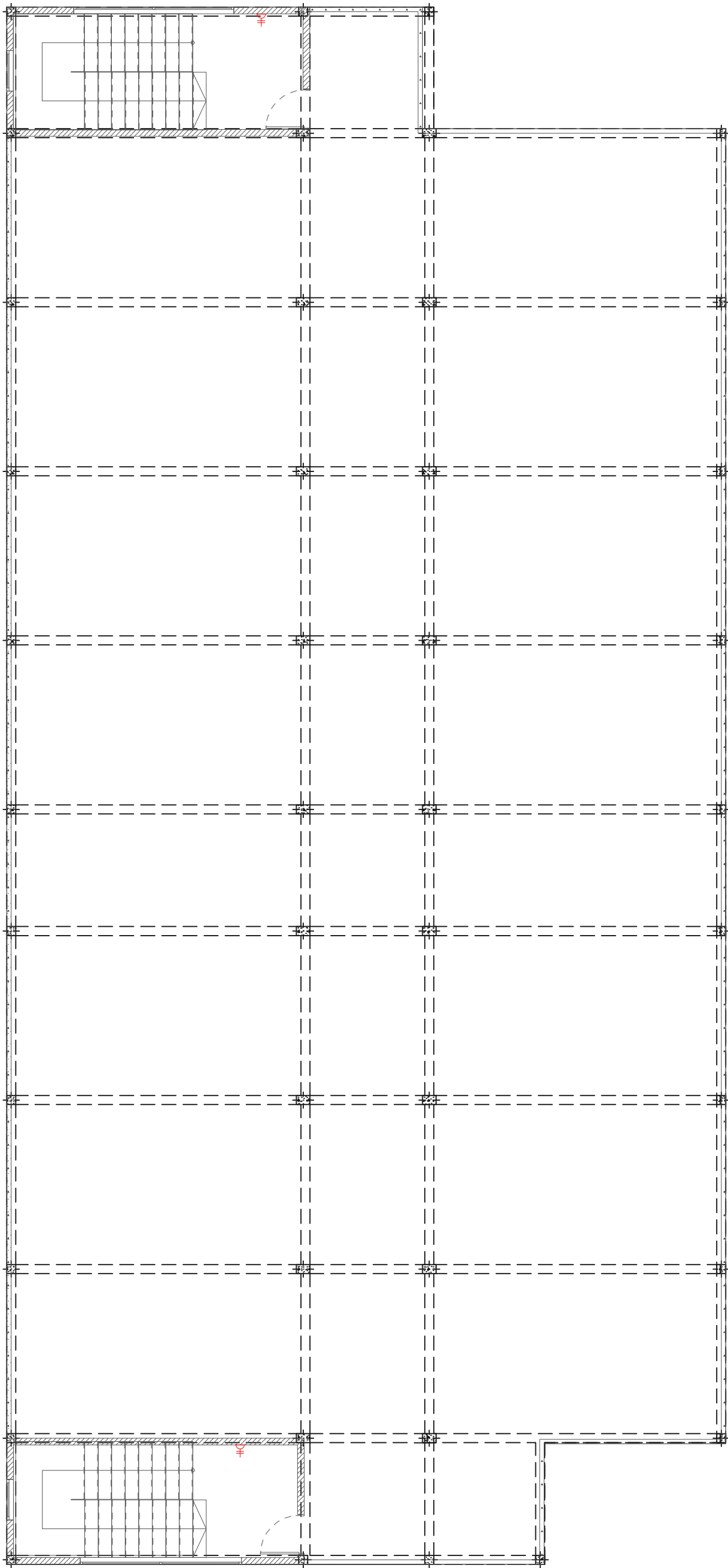
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Legend

- 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)
- FACP

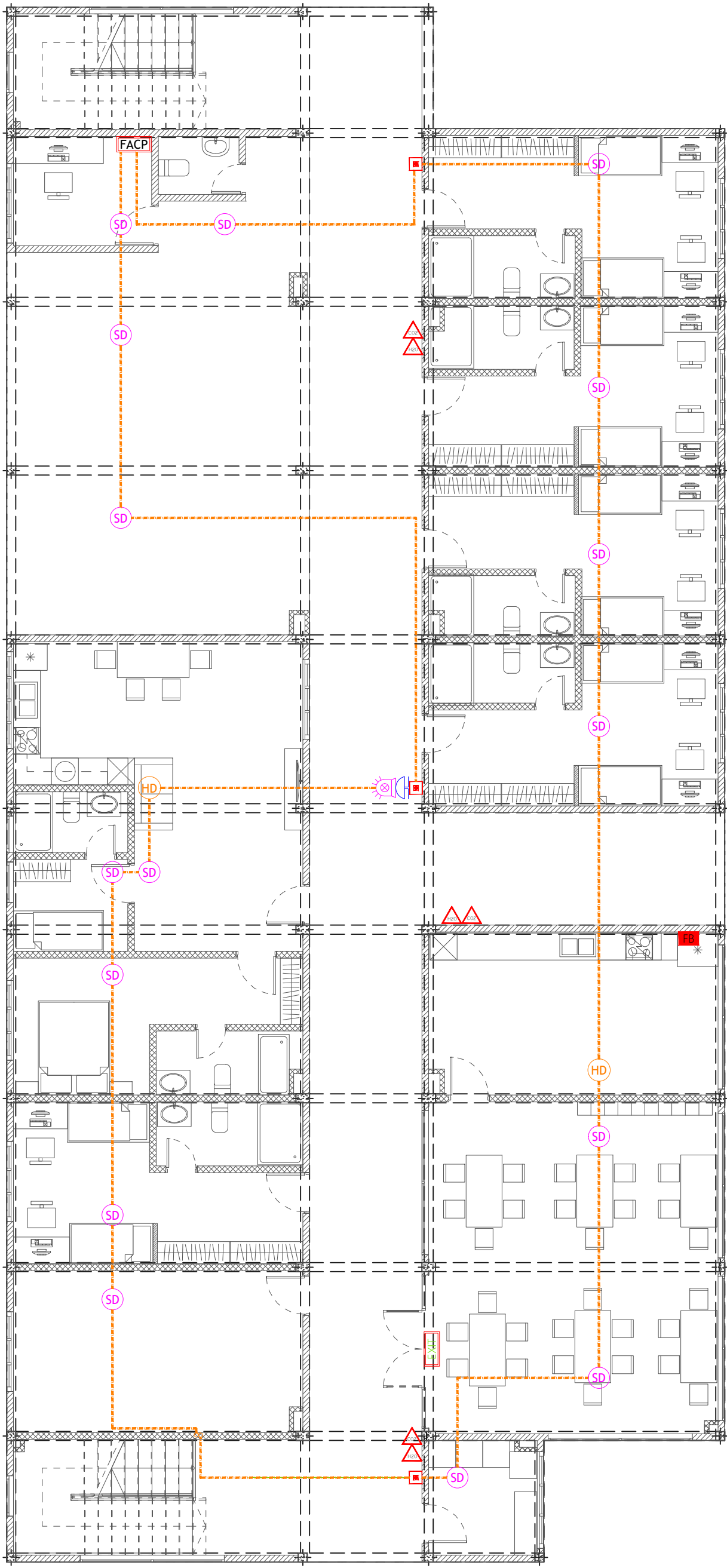
Fire Alarm Control Panel
- EXIT

Exit Sign
- 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.)
- FB

Fire Blanket
- SD

Smoke Detector
- HD

Heat Detector
- Sounder Bell
- Beacon



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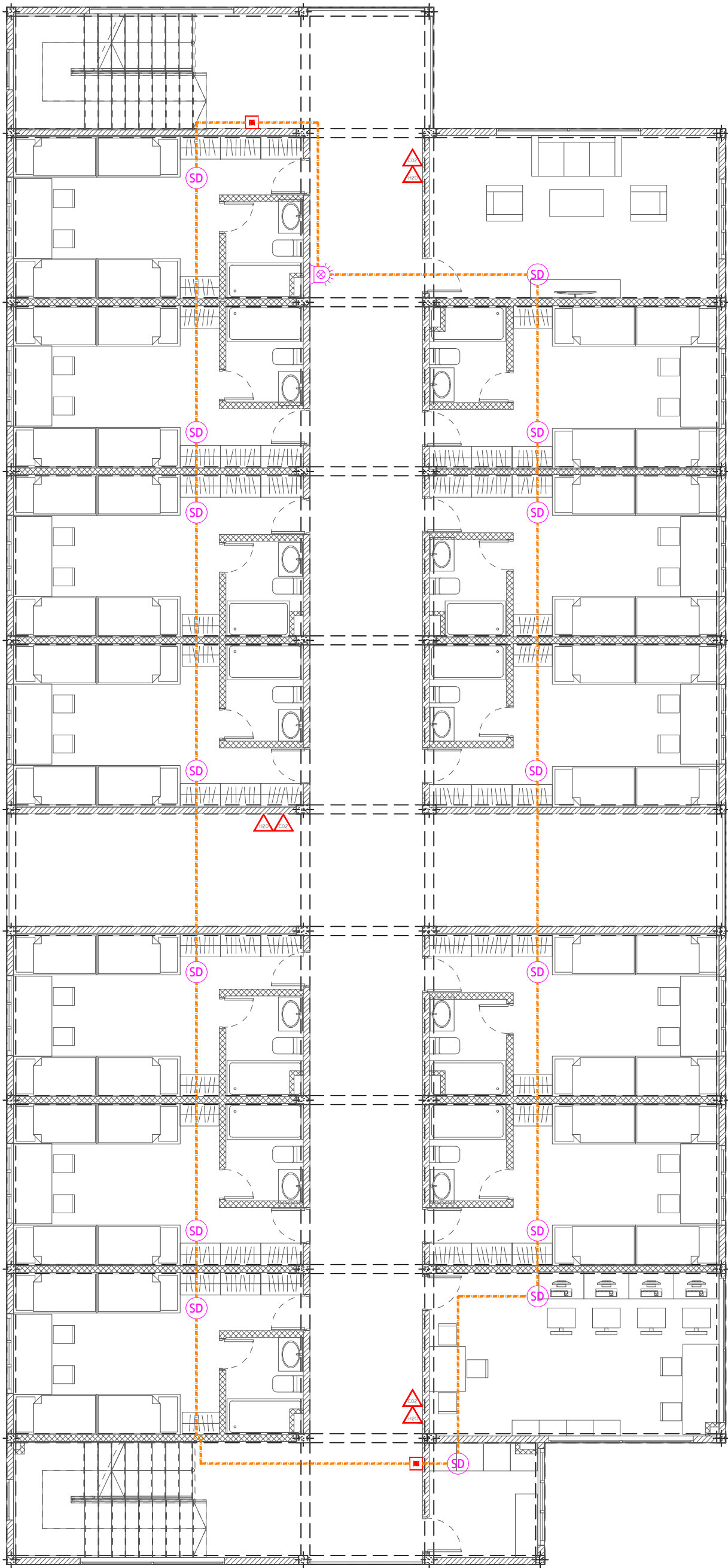
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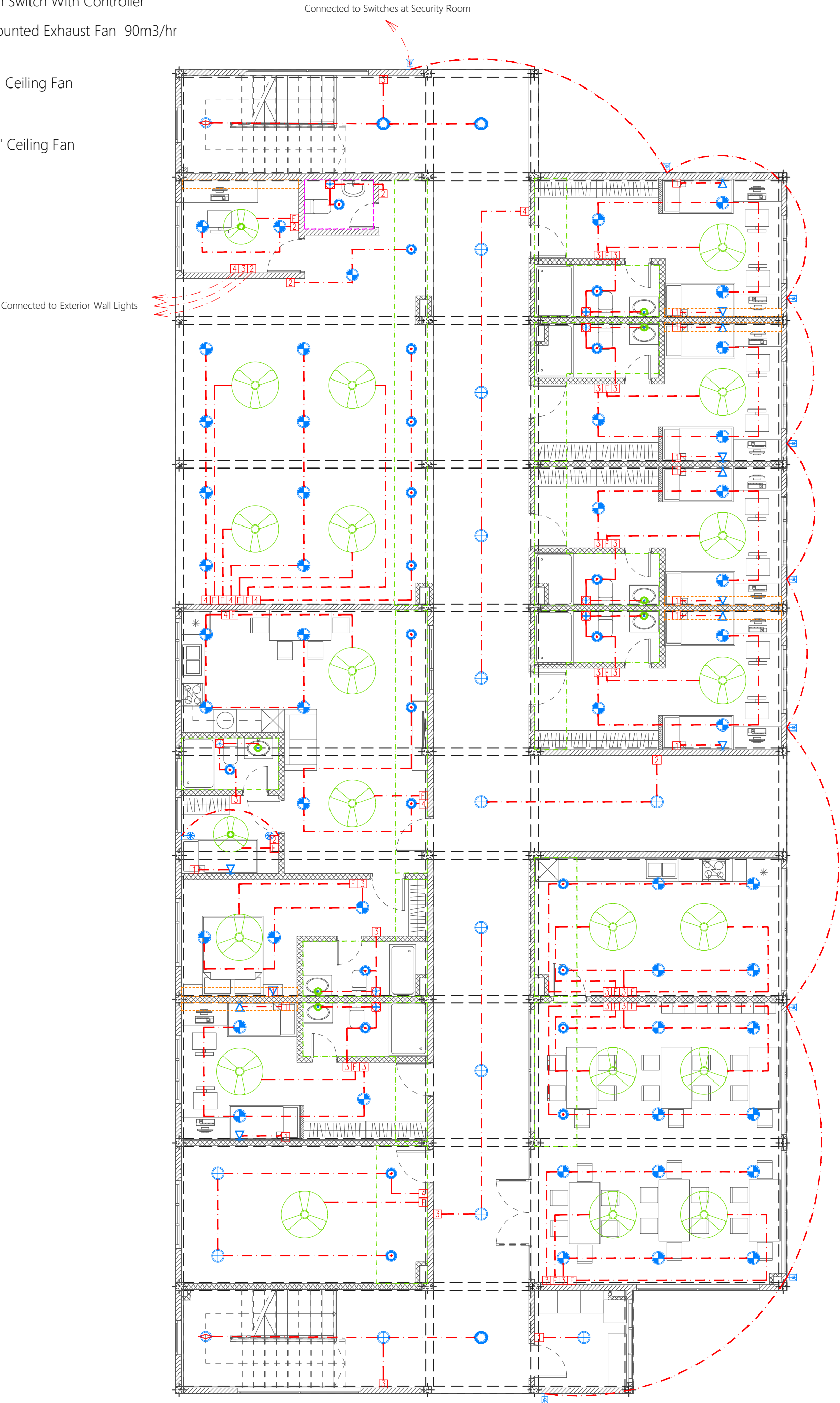


Legend

- Cement Board False Ceiling [200mm below beam bottom]
- Cement Board False Ceiling [at beam bottom level]
- Plaster Board False Ceiling [200mm below beam bottom]
- Cement Board False Ceiling [at beam bottom level]
- Ceiling Light (18W)
- Ceiling Light (12W)
- Recessed Ceiling Light (12W)
- Ceiling Down Light (18W) - Weather Proof
- Wall Light - Weather Proof Ip55 (low Level 8W)
- Indoor Wall Light (18W)
- Ceiling Light with Motion Sensor (12W)
- Ceiling Recessed Spot Light (3W)
- 123456

Light and Fan Switch (1 Gang - 6 Gang)
- F

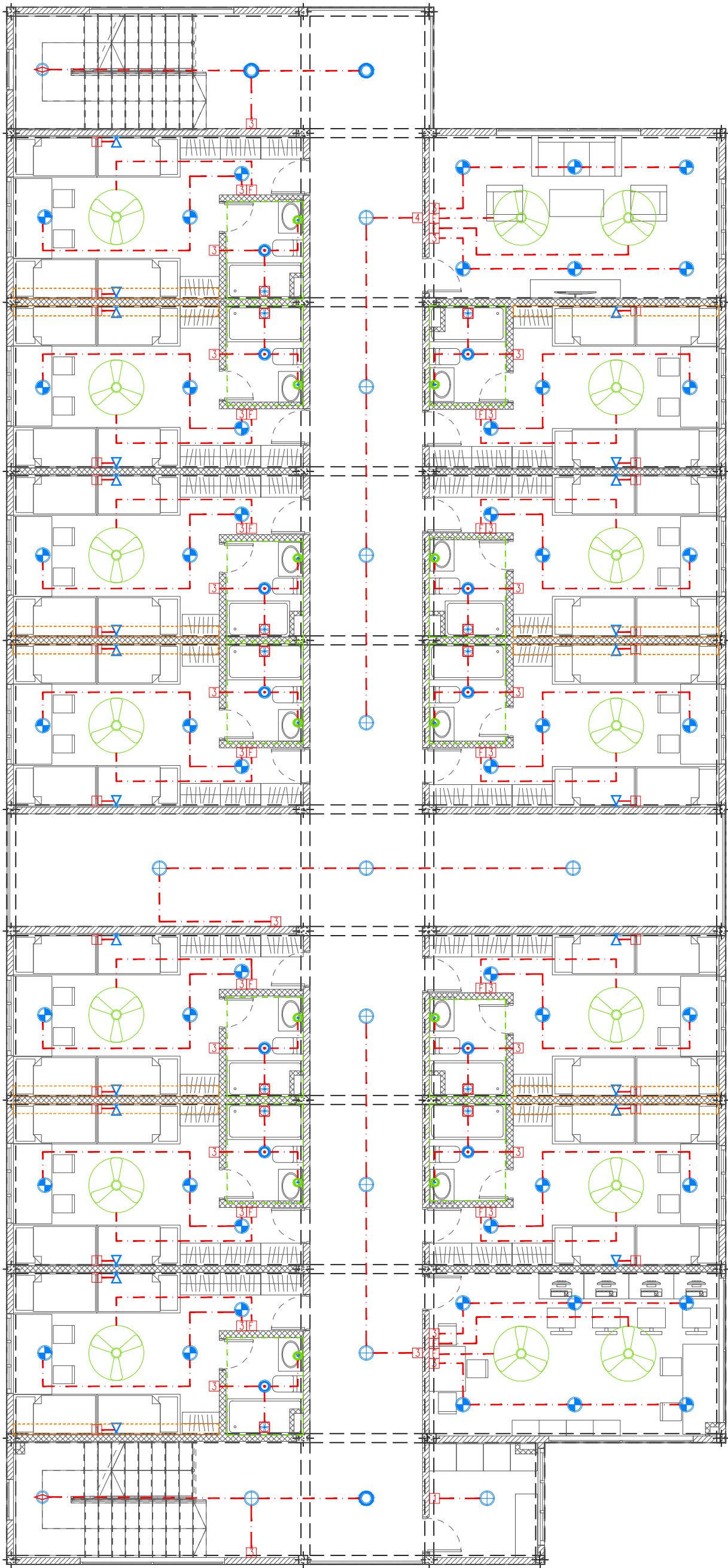
Ceiling Fan Switch With Controller
- Ceiling Mounted Exhaust Fan 90m3/hr
- 29" To 36" Ceiling Fan
- 42" To 48" Ceiling Fan



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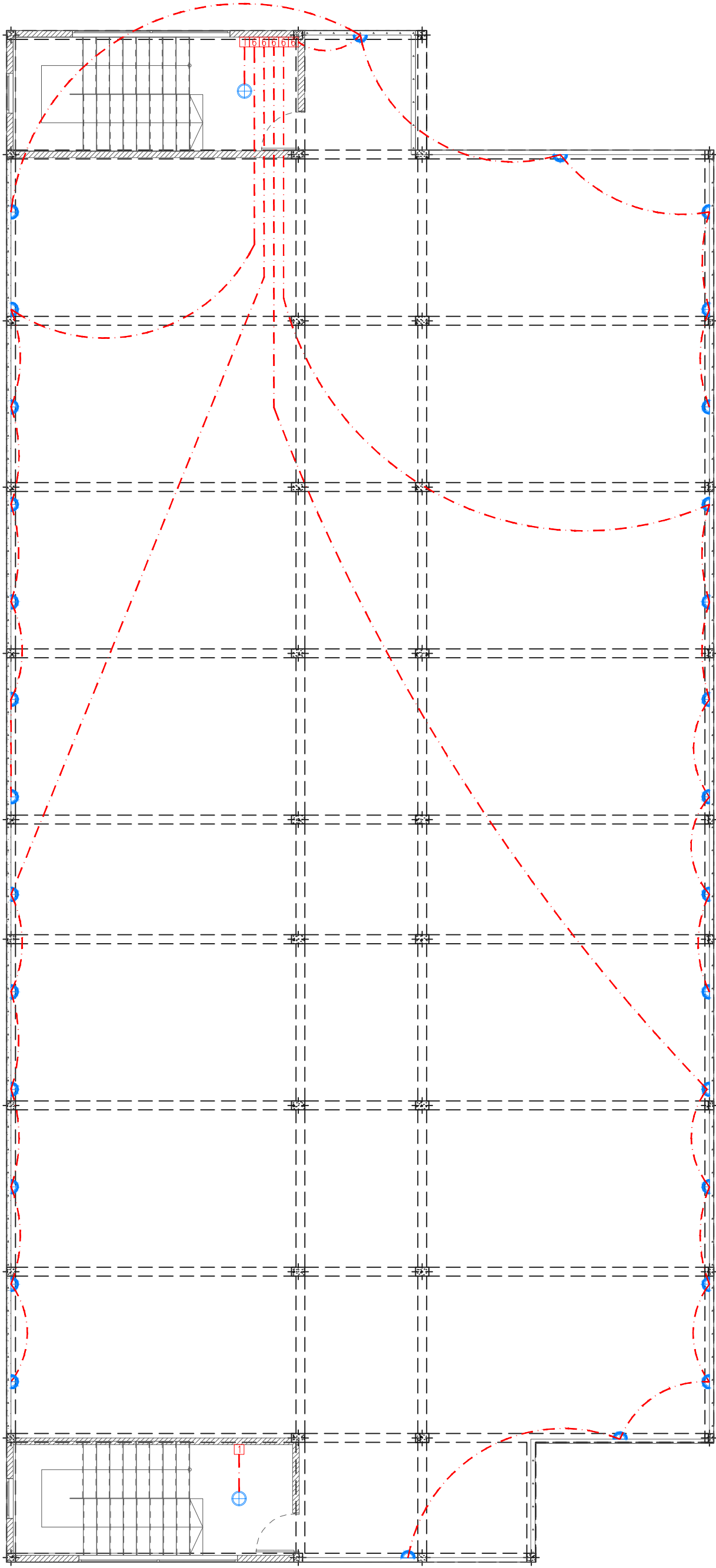


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Legend

- MWSC Meter
- 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
- 16Ø Cold Water Supply To Washing Machine Tap
- 16Ø Cold Water Supply To Sink Tap
- 16Ø Cold Water Supply & 12Ø Hot Water Supply To Shower Mixer
- Instant Water Heater Above False Ceiling
- Gate Valve
- Rise In Wall
- Drop In Wall

- 25Ø Cold Water Supply Pipes Running Underground
- 20Ø Cold Water Supply Pipes Running In Wall
- 20Ø Cold Water Supply Pipes Running Above False Ceiling
- 12Ø Hot Water Supply Pipes

Notes: -

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





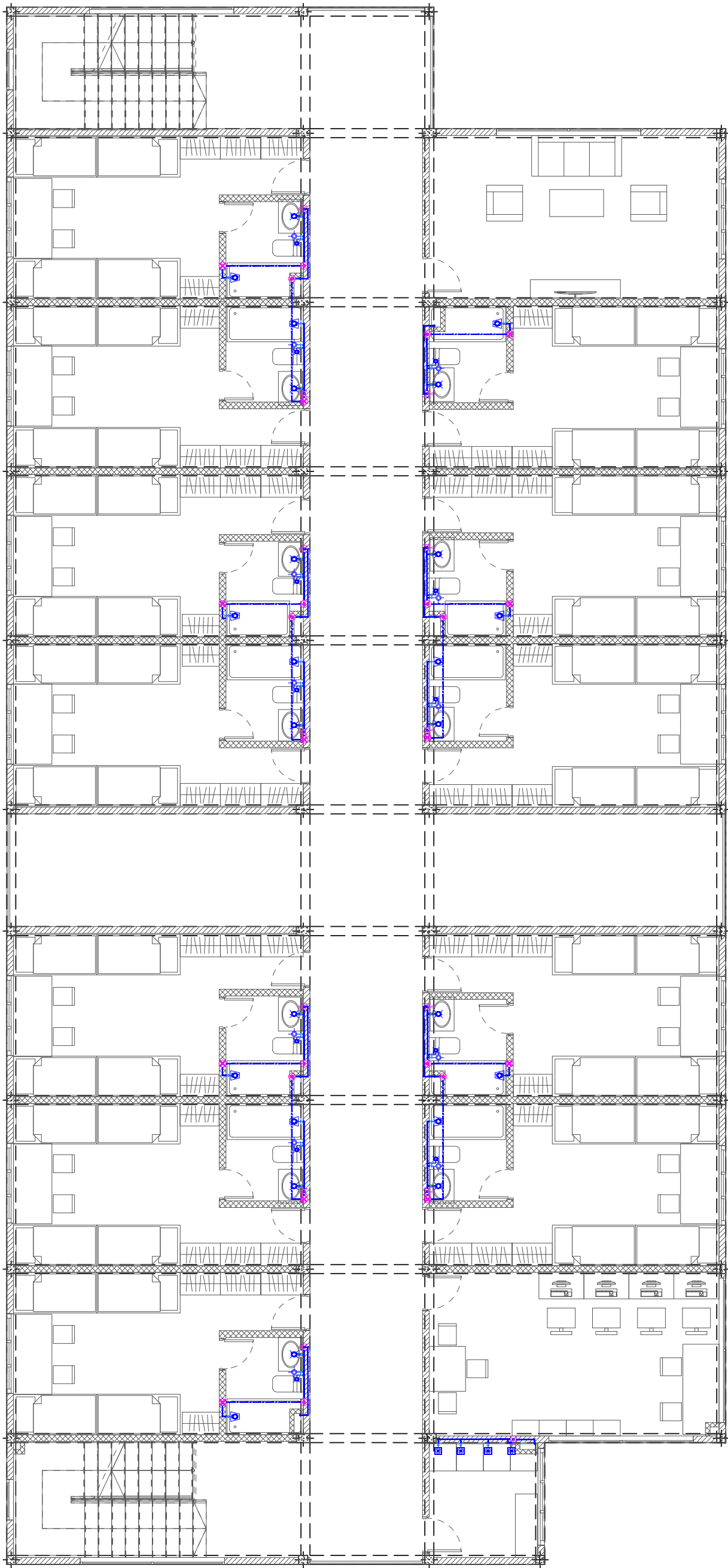
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









Notes: -





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





Legend

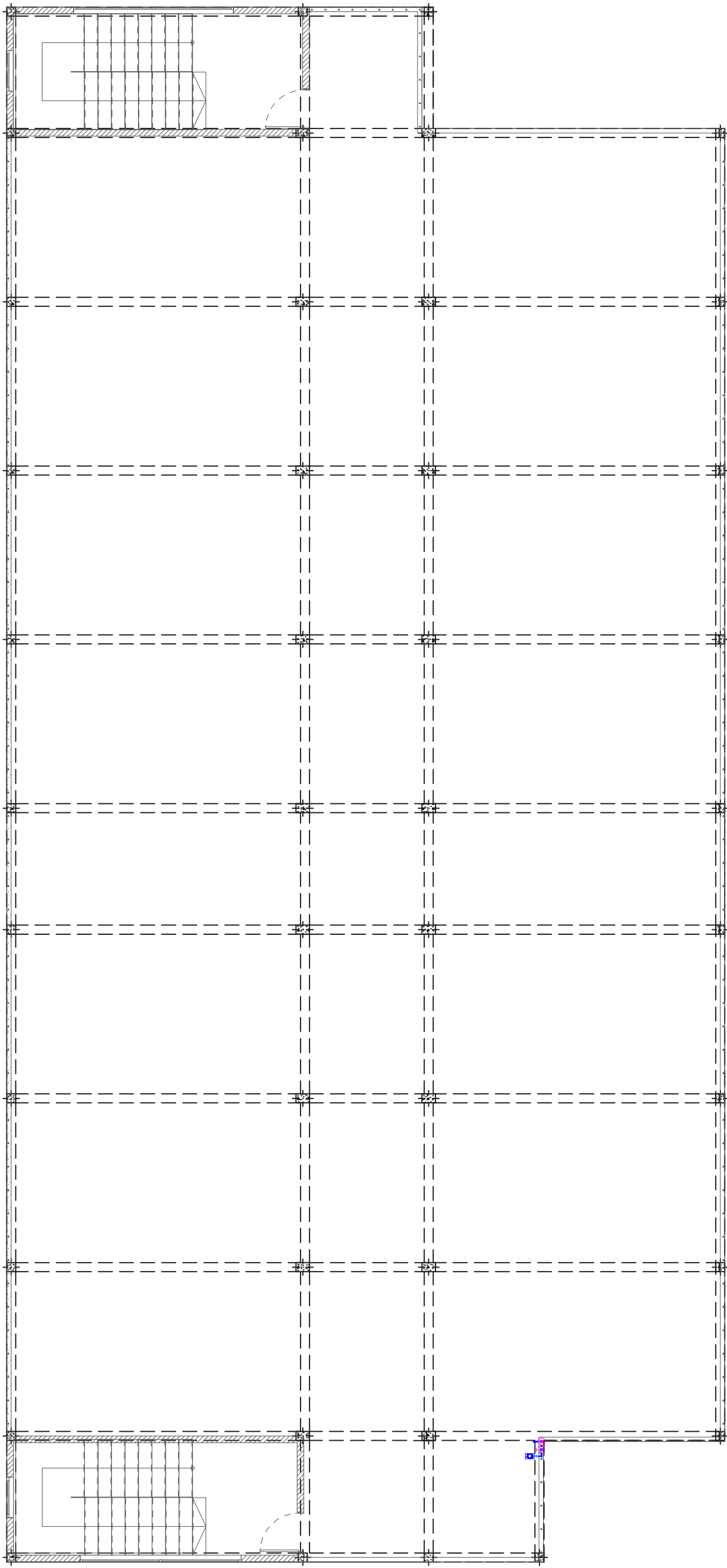
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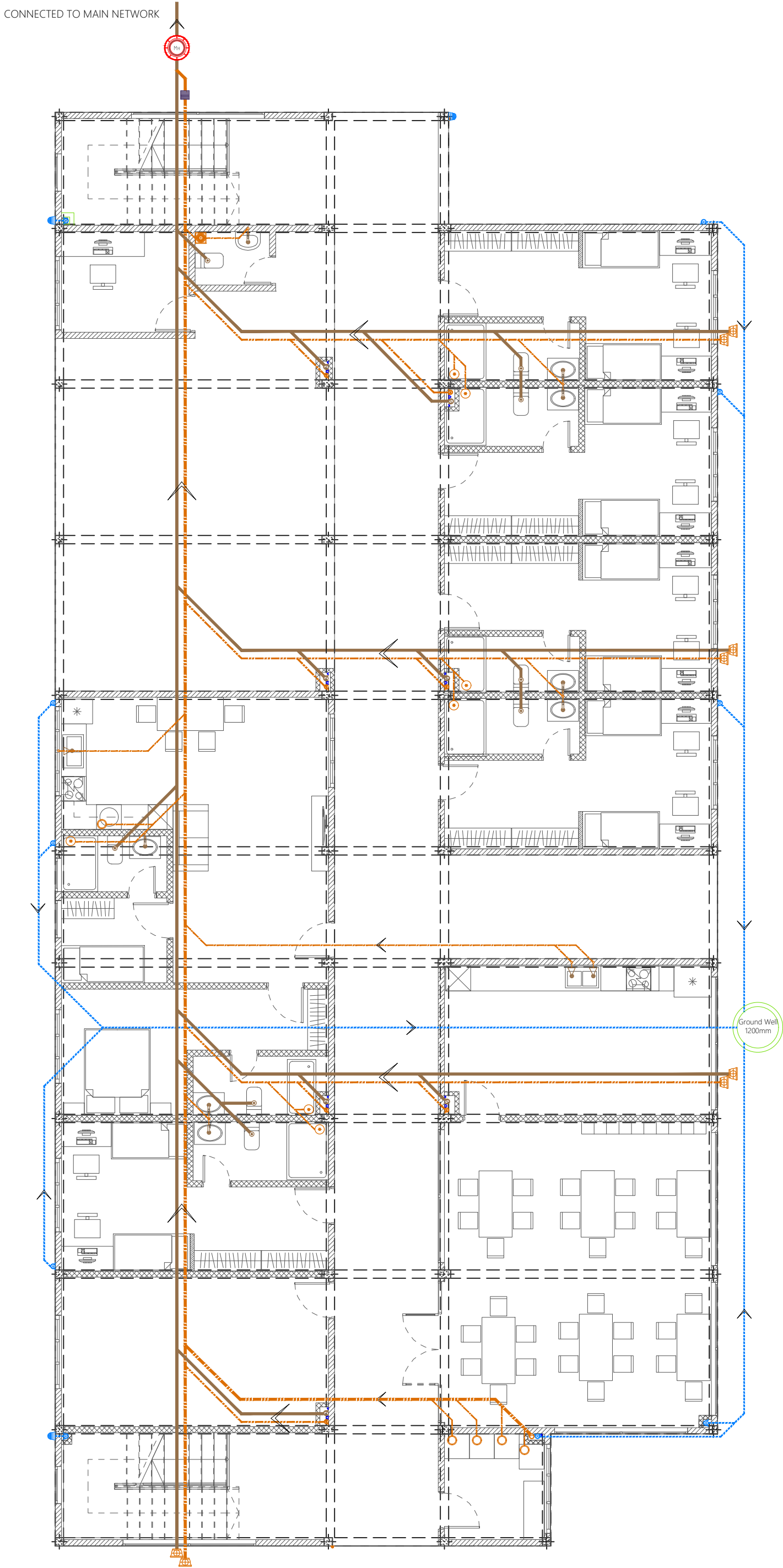


Legend


- Floor Drain
- Floor Gully
- Clean Out Point
- Bottle Trap
- Bottle Trap for Sink
- 40Ø Stub For Washing Machine Or Tub
- Gully Trap
- 110Ø Rainwater Outlet
- 110Ø Rainwater Outlet Perforated Cowl
- 40Ø Rainwater Outlet Perforated Cowl


- 110Ø Soil Pipe (uPVC Pipe)
- 110Ø Soil Vent Pipe (uPVC Pipe)
- 110Ø Laundry Pipe (uPVC Pipe)
- 110Ø Waste Pipe (uPVC Pipe)
- 82Ø Waste Pipe (uPVC Pipe)
- 82Ø Waste Vent Pipe (uPVC Pipe)
- 40Ø Waste Pipe (uPVC Pipe)
- 40Ø Manhole Vent Pipe (uPVC Pipe)
- 110Ø Rain Water Pipes (uPVC Pipe)
- Manhole


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





Legend


- 


Floor Drain
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Floor Gully
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Clean Out Point
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Bottle Trap
- 


Bottle Trap for Sink
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400 Stub For Washing Machine Or Tub
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Gully Trap
- 


1100 Rainwater Outlet
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1100 Rainwater Outlet Perforated Cowl
- 


400 Rainwater Outlet Perforated Cowl
- 


1100 Soil Pipe (uPVC Pipe)
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1100 Soil Vent Pipe (uPVC Pipe)
- 


1100 Laundry Pipe (uPVC Pipe)
- 


1100 Waste Pipe (uPVC Pipe)
- 

820 Waste Pipe (uPVC Pipe)
- 

820 Waste Vent Pipe (uPVC Pipe)
- 

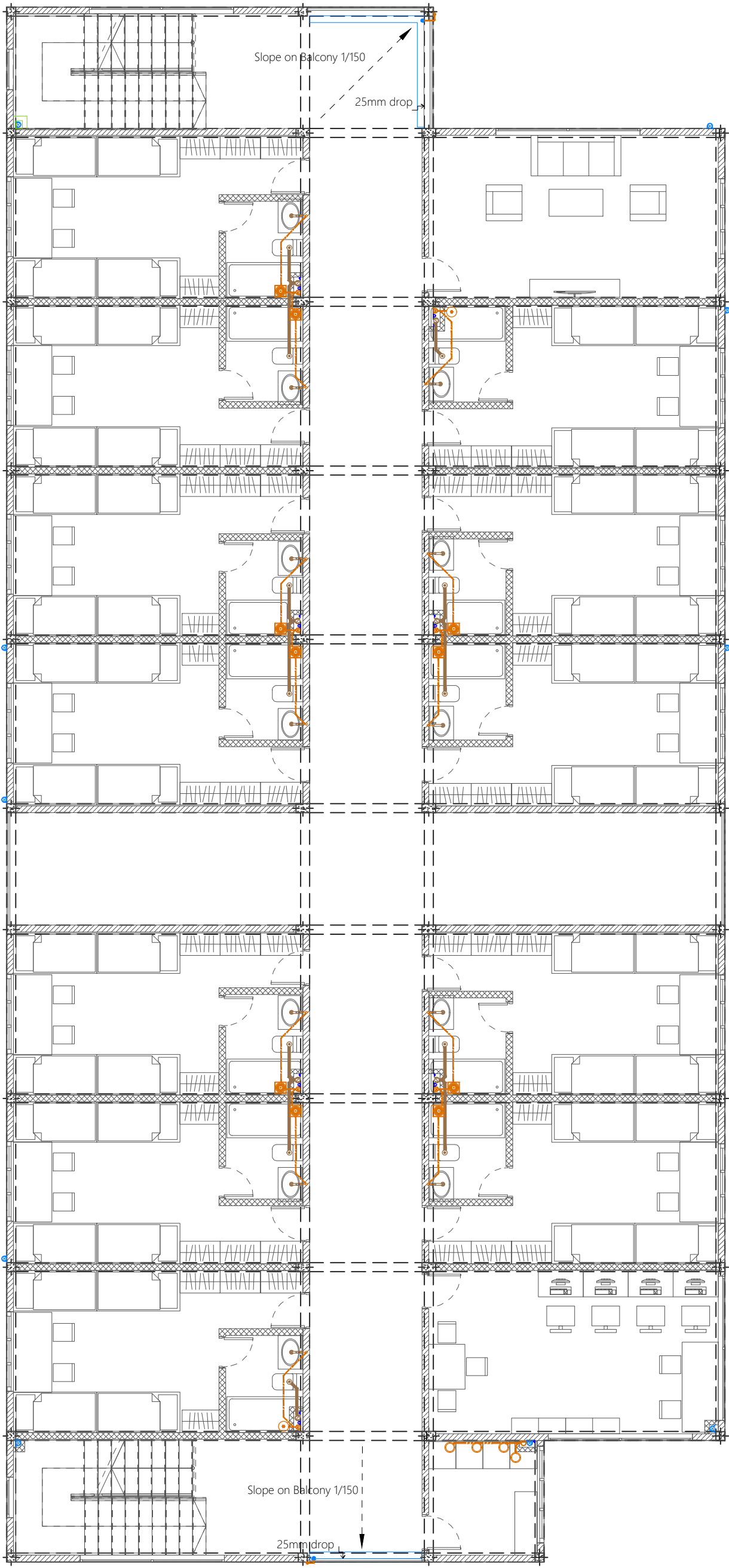
400 Waste Pipe (uPVC Pipe)
- 

400 Manhole Vent Pipe (uPVC Pipe)
- 

1100 Rain Water Pipes (uPVC Pipe)
- 

Manhole

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-All Floor Drains Should Have 'P' Traps

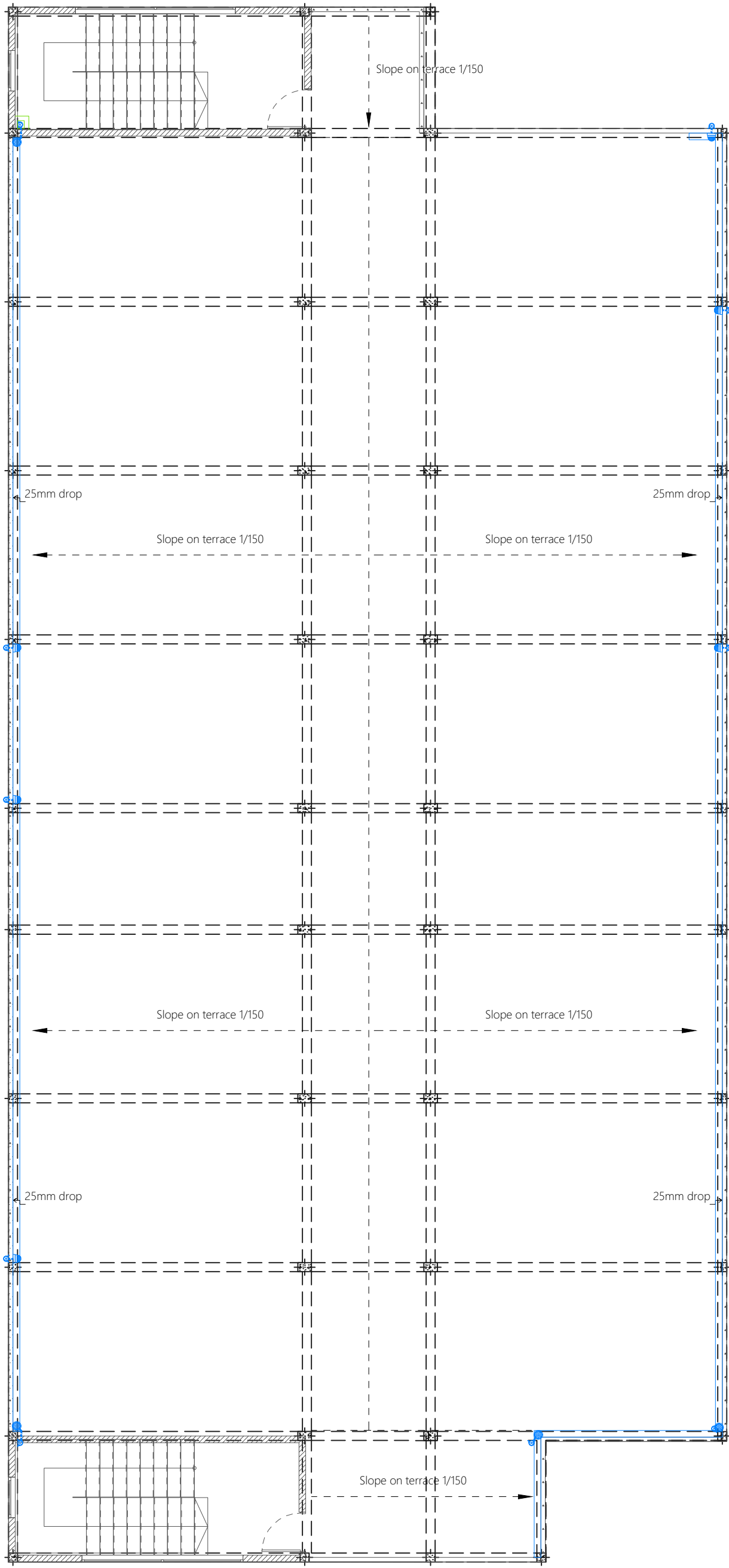


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