



Mayur's 3D Creation

Contact No :- +91 9021453100, Email Id :- mayur3dcreations@gmail.com

Gst No :- 27AEZPU0669J1ZG

Address :- Shop no.01, Amolak Setu Building, Kaka Chowk, Padampura, Aurangabad.

IFC drawings for MEP (Mechanical, Electrical, and Plumbing) services typically include detailed information about the design, installation, and coordination of mechanical, electrical, and plumbing systems within a building or construction project. These drawings are essential for ensuring that the MEP systems are properly integrated into the overall building design and construction process. Here's an overview of what IFC drawings for MEP services may include:

1. Mechanical Systems:

- HVAC (Heating, Ventilation, and Air Conditioning) layouts, including ductwork, air handling units, fans, and vents.
- Plumbing systems, such as piping layouts, fixtures, water supply, drainage, and sanitary systems.
- Fire protection systems, including sprinklers, fire pumps, fire alarms, and smoke detectors.
- Equipment schedules detailing specifications for HVAC equipment, pumps, boilers, chillers, etc.
- Details of mechanical rooms, including equipment arrangement, clearances, and access requirements.

2. Electrical Systems:

- Power distribution layouts, showing the routing of electrical cables, conduits, and bus-bars.
- Lighting layouts, indicating the placement of fixtures, switches, and controls.
- Electrical panel schedules, specifying the distribution of power to different areas of the building.
- Emergency power systems, including generators, transfer switches, and battery backups.
- Communication and data wiring diagrams, covering telephone, internet, and other network connections.
- Electrical equipment specifications, such as transformers, switchgear, and meters.

3. Plumbing Systems:

- Water supply layouts, including piping, valves, and fittings.
- Drainage and sewage systems, showing the routing of pipes, traps, and vents.
- Fixture schedules, listing all plumbing fixtures and their specifications.
- Gas supply systems, if applicable, detailing gas pipes, regulators, and valves.
- Plumbing riser diagrams, illustrating vertical pipe runs and connections between floors.

4. Coordination Drawings:

- Clash detection reports, identifying any conflicts between MEP systems and other building components (structural, architectural, etc.).
- Coordination drawings showing how MEP systems interact with each other and with other building elements, ensuring proper clearance and spatial coordination.
- Revit or BIM (Building Information Modeling) files that allow for 3D visualization and virtual coordination of MEP systems with the overall building design.



Mayur's 3D Creation

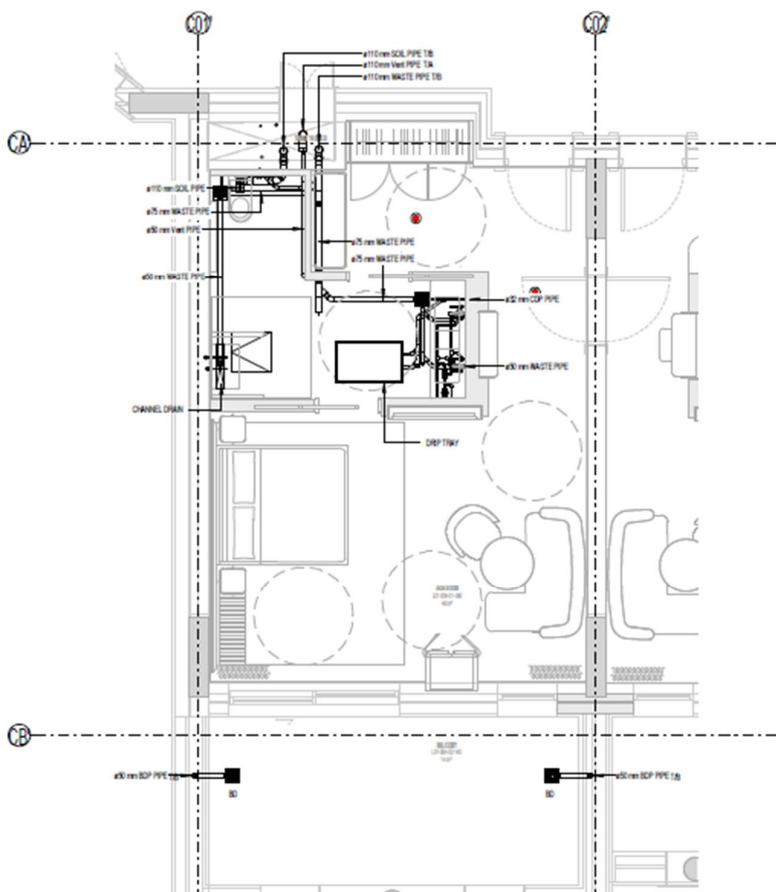
Contact No :- +91 9021453100, Email Id :- mayur3dcreations@gmail.com
Gst No :- 27AEZPU0669J1ZG

Address :- Shop no.01, Amolak Setu Building, Kaka Chowk, Padampura, Aurangabad.

5. Specifications and Standards:

- Compliance with relevant codes, standards, and regulations governing MEP systems (e.g., IPC, NFPA, ECBC local building codes).
- Material specifications, detailing the types of materials to be used for MEP components and their performance criteria.
- Quality control and testing requirements for MEP installations.

These are just some of the common elements found in IFC drawings for MEP services. The level of detail and complexity may vary depending on the size and complexity of the project, as well as specific client requirements and local building codes and regulations.





Mayur's 3D Creation

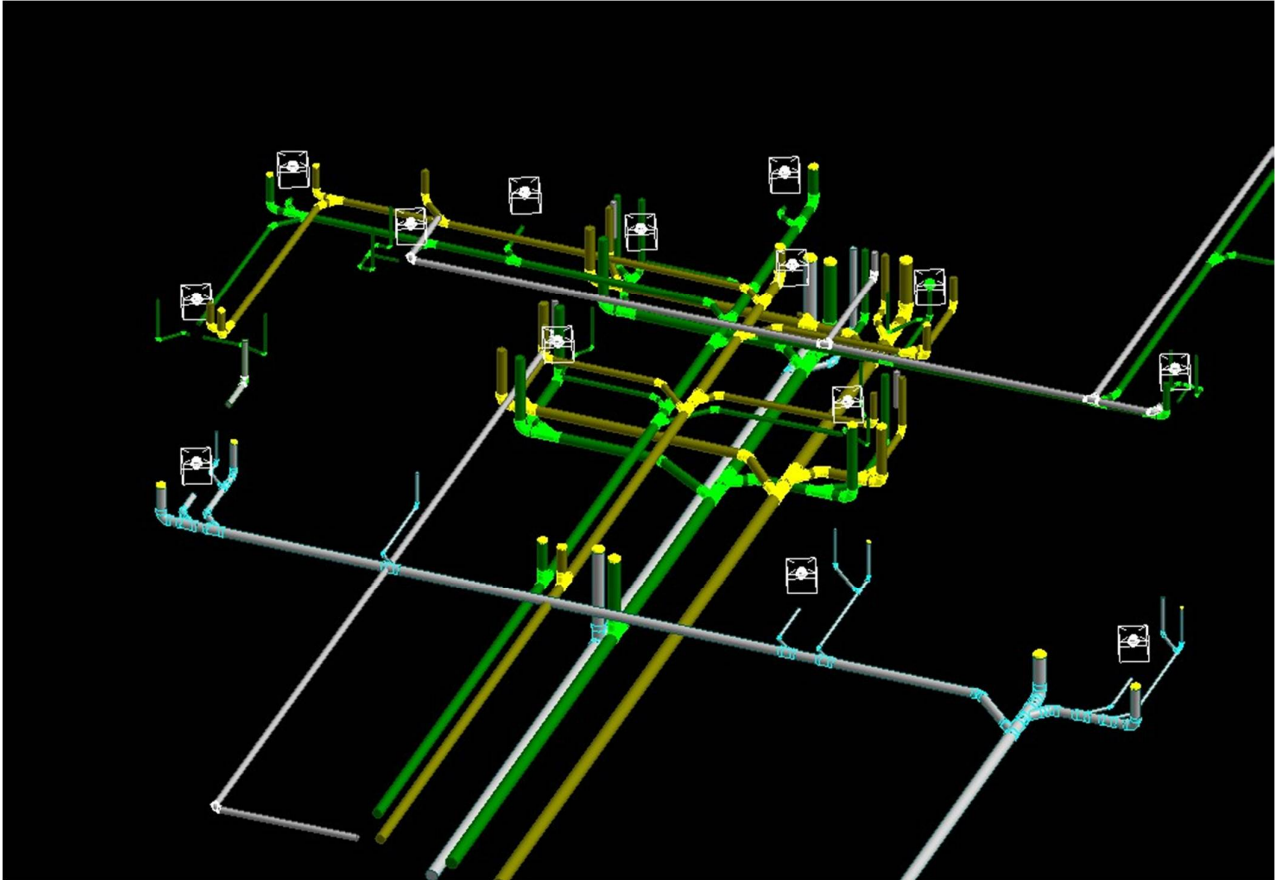
Contact No :- +91 9021453100, Email Id :- mayur3dcreations@gmail.com

Gst No :- 27AEZPU0669J1ZG

Address :- Shop no.01, Amolak Setu Building, Kaka Chowk, Padampura, Aurangabad.

3D Model in Revit Software as per IFC Drawing. (LOD 300-500 model as per Requirement)

3D model As per IFC Drawing & MEP Design consultant.





Mayur's 3D Creation

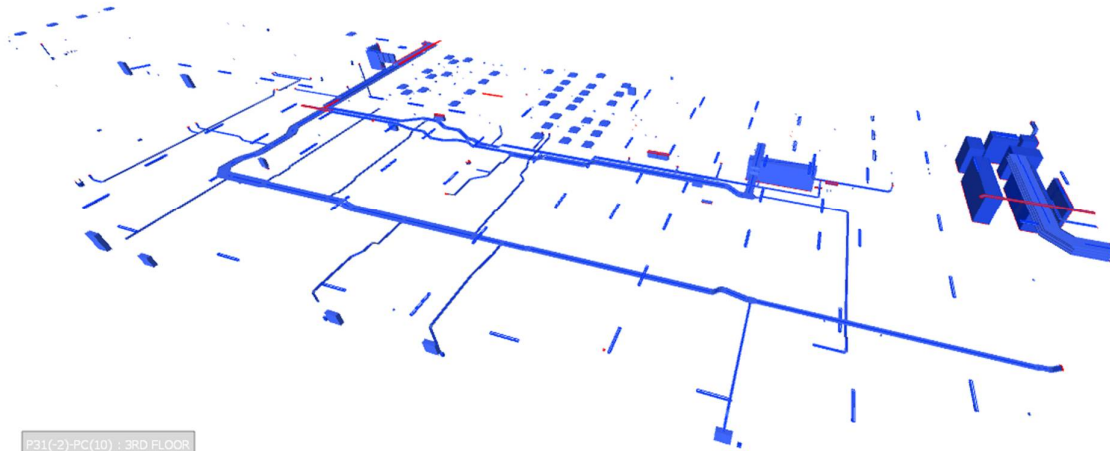
Contact No :- +91 9021453100, Email Id :- mayur3dcreations@gmail.com

Gst No :- 27AEZPU0669J1ZG

Address :- Shop no.01, Amolak Setu Building, Kaka Chowk, Padampura, Aurangabad.

Electrical Service 3D Model as per IFC Drawing. (LOD 300-500 model as per Requirement)

3D Model for Electrical Service as per IFC Document.





Mayur's 3D Creation

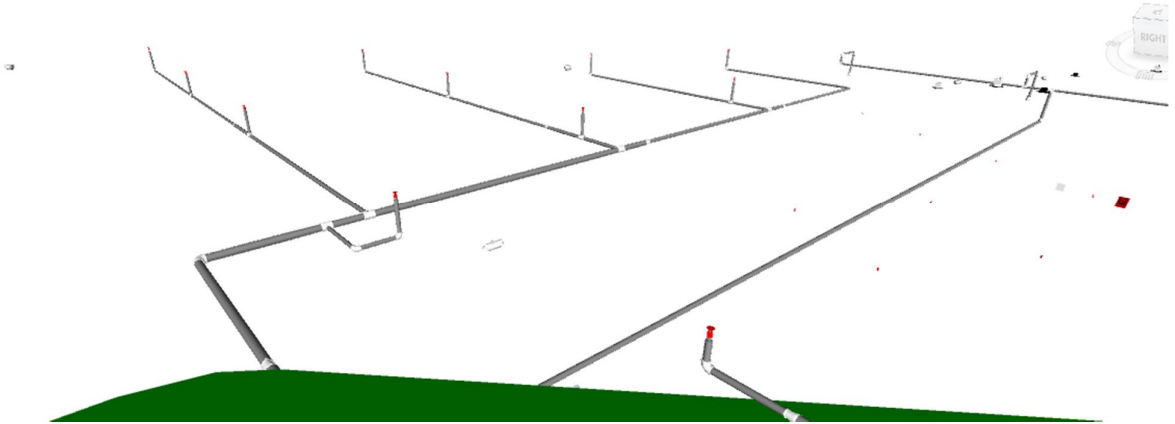
Contact No :- +91 9021453100, Email Id :- mayur3dcreations@gmail.com

Gst No :- 27AEZPU0669J1ZG

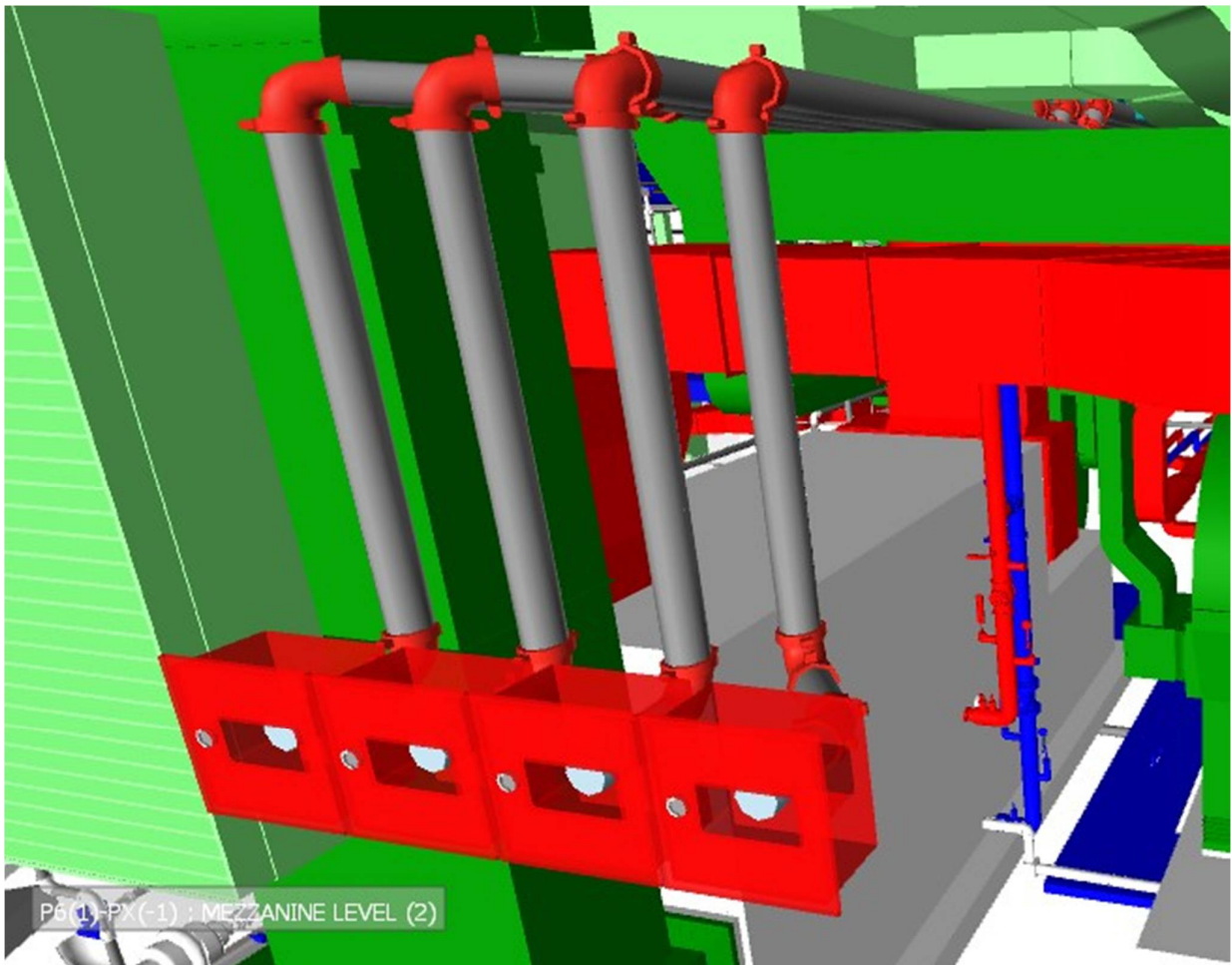
Address :- Shop no.01, Amolak Setu Building, Kaka Chowk, Padampura, Aurangabad.

Fire Protection Service 3D Model as per IFC Drawing. (LOD 300-500 model as per Requirement)

3D Model for Fire protection Service as per IFC Drawing.



Fire Protection Service Inlet Connection Details as per IFC Drawing.





Mayur's 3D Creation

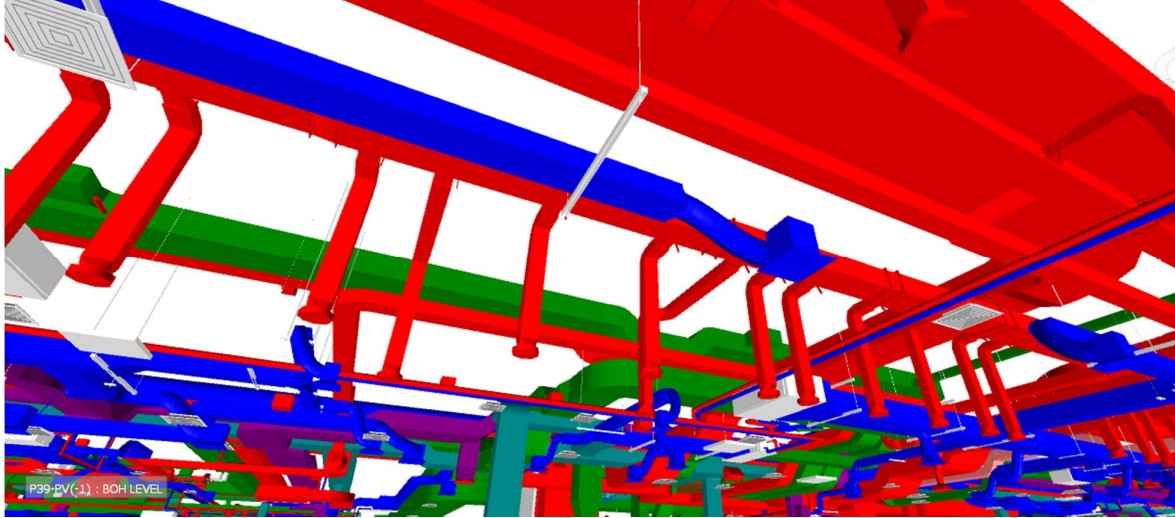
Contact No :- +91 9021453100, Email Id :- mayur3dcreations@gmail.com

Gst No :- 27AEZPU0669J1ZG

Address :- Shop no.01, Amolak Setu Building, Kaka Chowk, Padampura, Aurangabad.

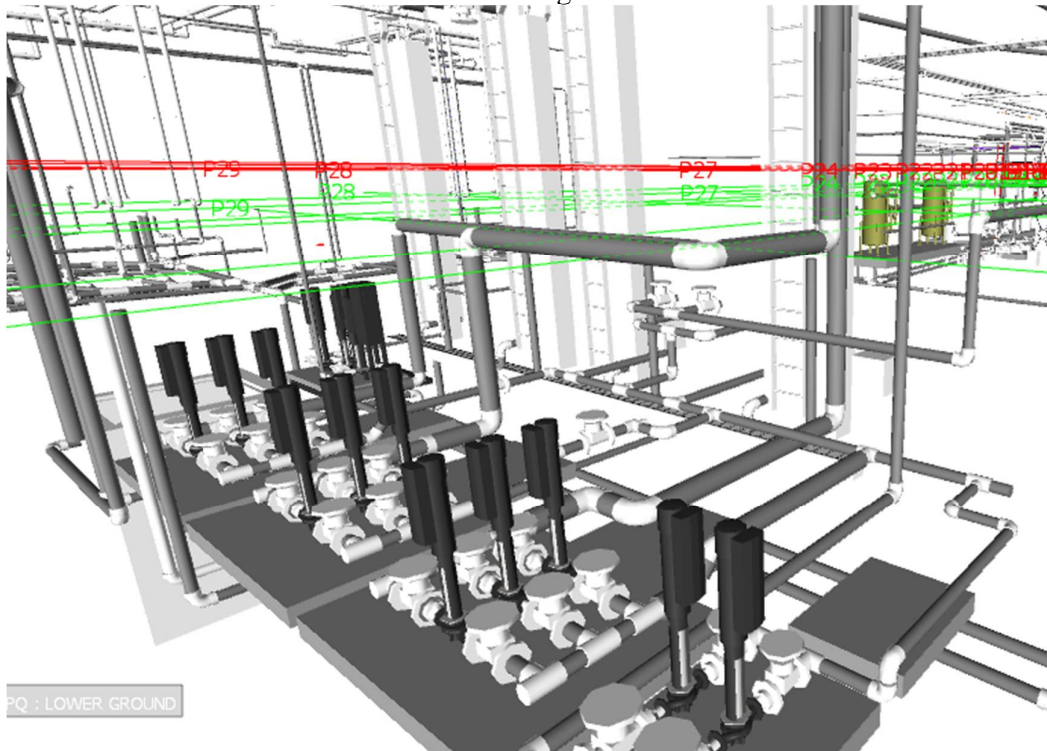
HVAC Service 3D Model as per IFC Drawing. (LOD 300-500 model as per Requirement)

HVAC Service 3d Model as per Design drawing / IFC drawing (AC & Ventilation Layout)



Mechanical Plant Room 3D Model (Detailing) (LOD 300-500 model as per Requirement)

Mechanical Plant Room 3d Model & Detailing.





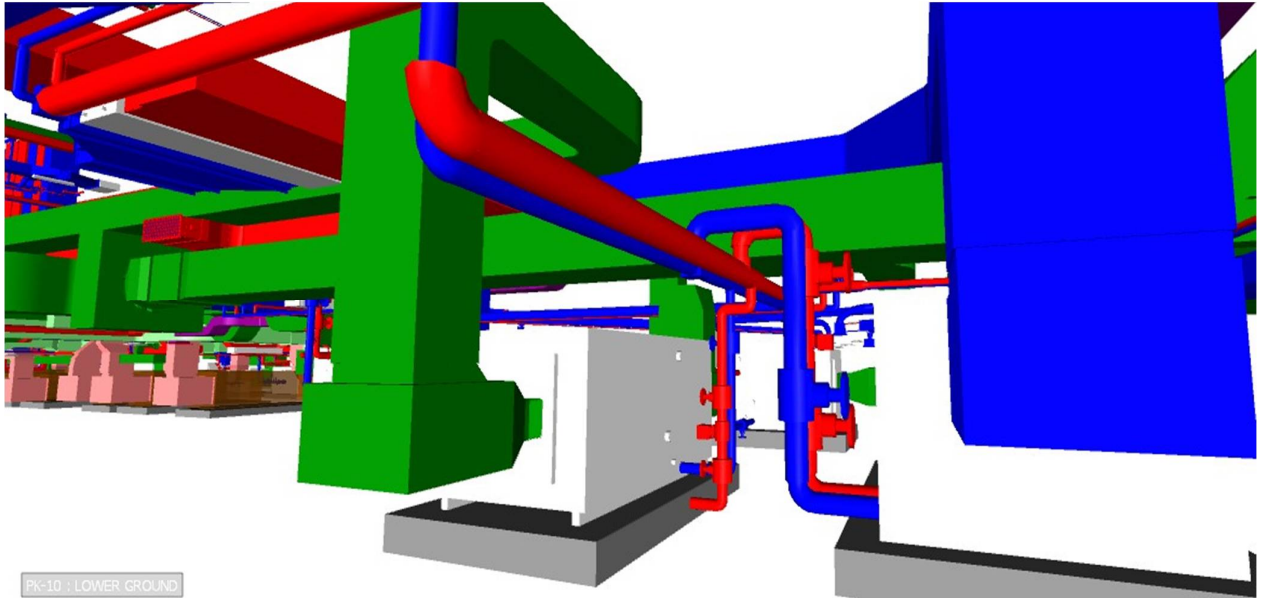
Mayur's 3D Creation

Contact No :- +91 9021453100, Email Id :- mayur3dcreations@gmail.com

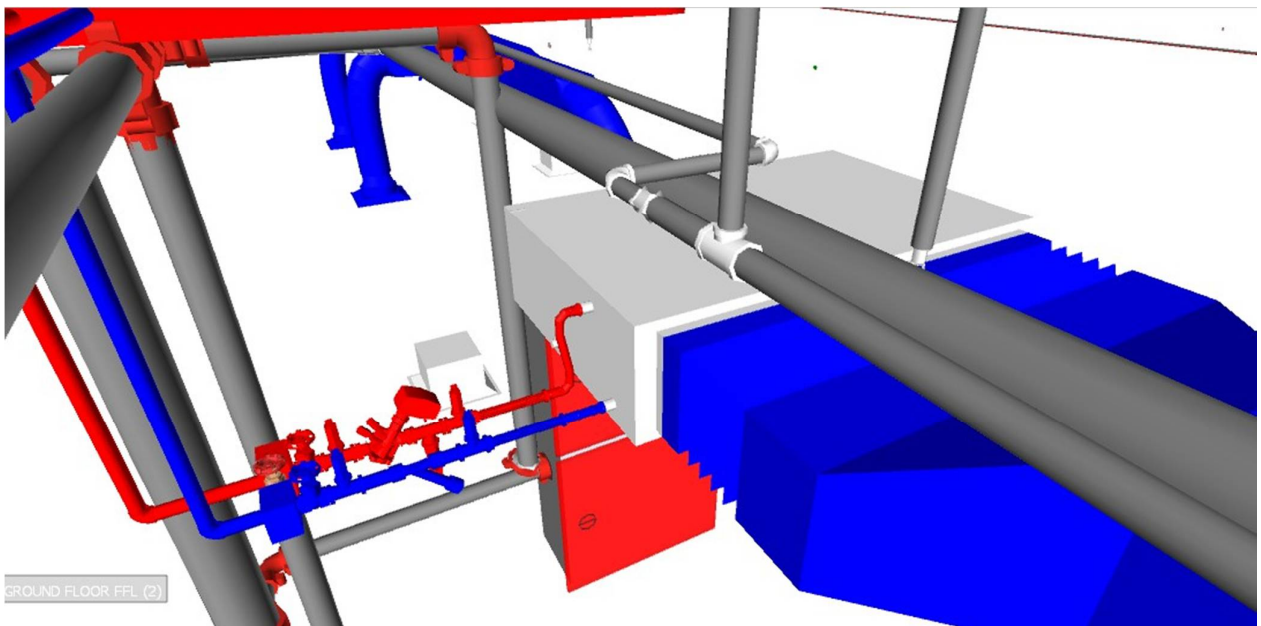
Gst No :- 27AEZPU0669J1ZG

Address :- Shop no.01, Amolak Setu Building, Kaka Chowk, Padampura, Aurangabad.

Mechanical AHU Connection & Detailing as per IFC Drawing



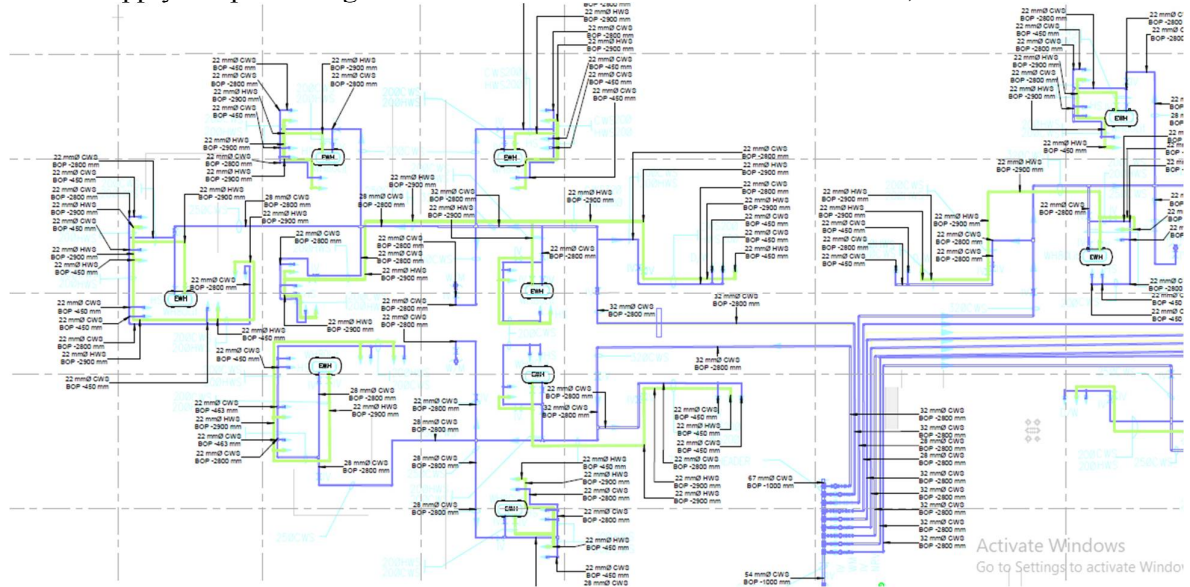
Mechanical Chiller Water Pipe Connection & Detailing for FCU (FAN COIL UNIT) as per IFC Drawing



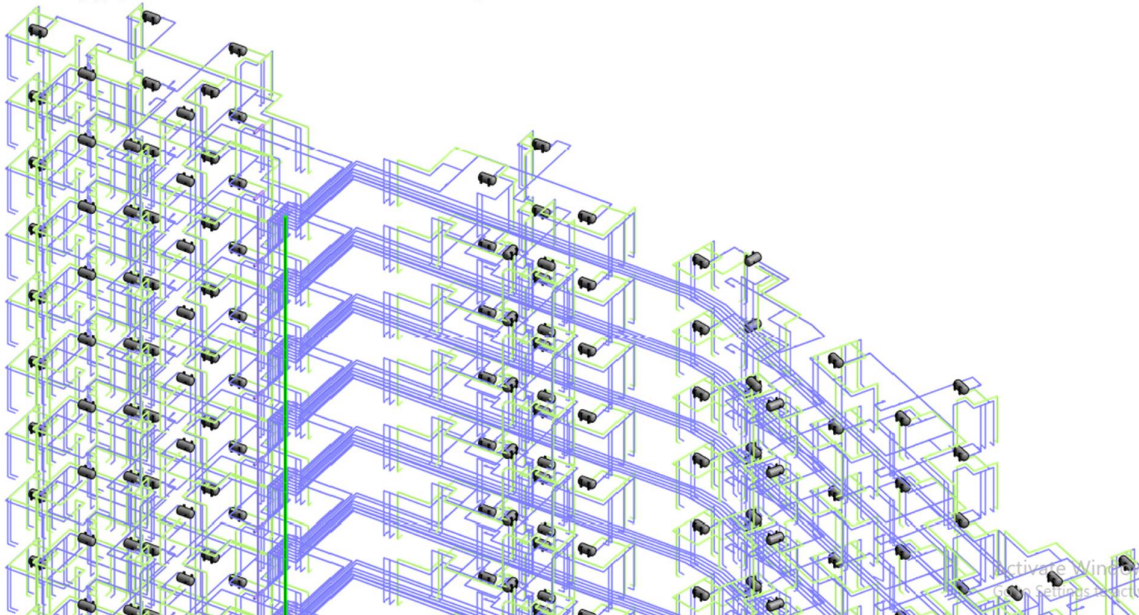


**Water Supply Service 3D Model as per IFC Drawing.
(LOD 300-500 model as per Requirement)**

Water Supply Shop Drawing after Coordination with MEP & Architecture, Structure.



Water Supply Service for Overall Building.





Mayur's 3D Creation

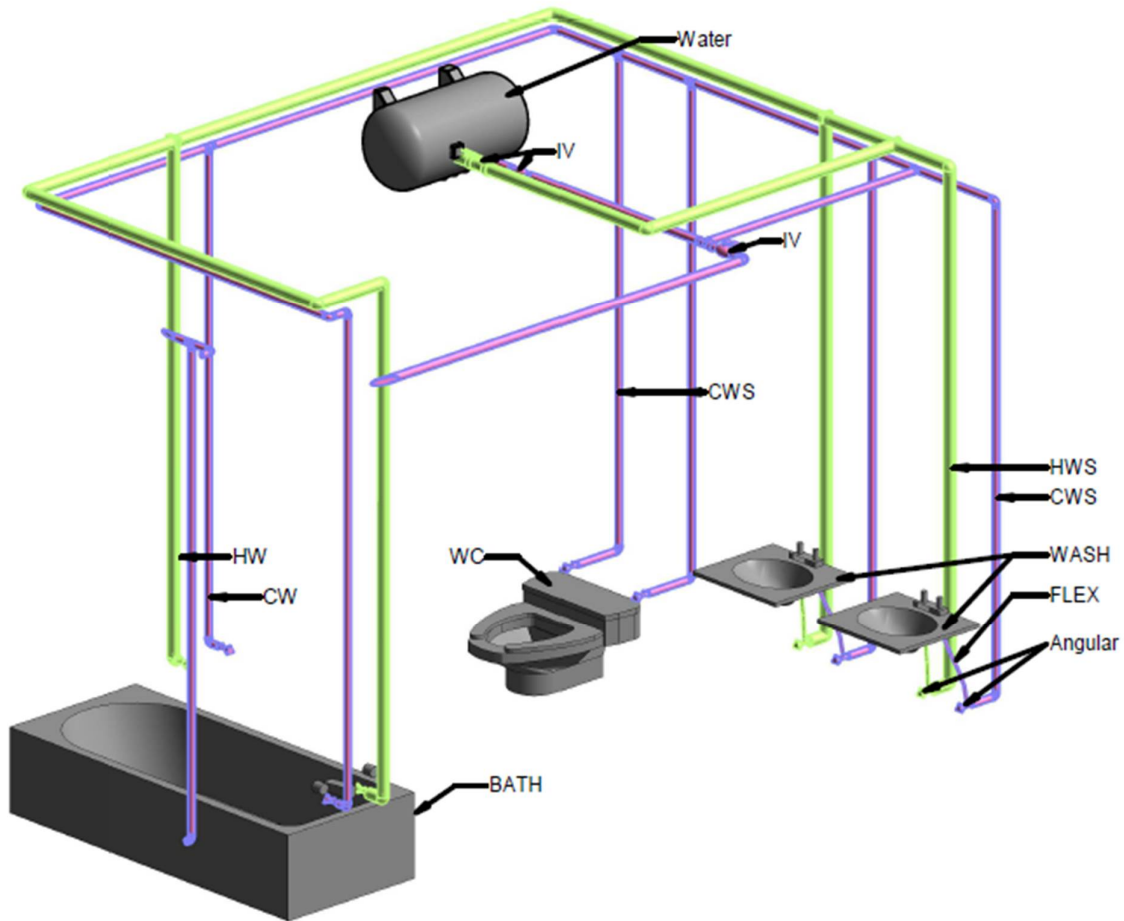
Contact No :- +91 9021453100, Email Id :- mayur3dcreations@gmail.com

Gst No :- 27AEZPU0669J1ZG

Address :- Shop no.01, Amolak Setu Building, Kaka Chowk, Padampura, Aurangabad.

Typical Bath Detail 3D Model as per IFC Drawing. (LOD 300-500 model as per Requirement)

Water Supply Connection Typical Details for Toilet & Bath Area.





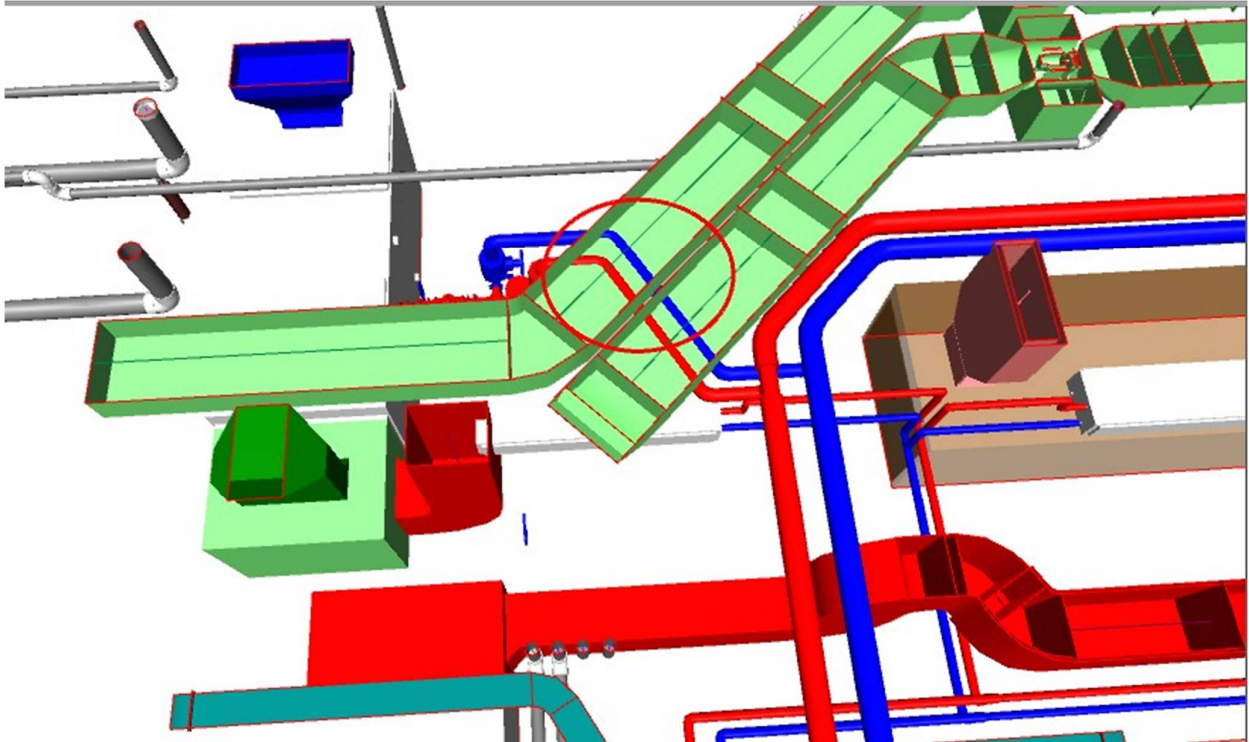
Mayur's 3D Creation

Contact No :- +91 9021453100, Email Id :- mayur3dcreations@gmail.com
Gst No :- 27AEZPU0669J1ZG

Address :- Shop no.01, Amolak Setu Building, Kaka Chowk, Padampura, Aurangabad.

All MEP Service & Clash Detection for Coordination of MEP Service. (LOD 400-500 model as per Requirement)

After complete 3d model for all MEP Service Coordination work and Clash Detection for
Reduce rework and time period on site.





Mayur's 3D Creation

Contact No :- +91 9021453100, Email Id :- mayur3dcreations@gmail.com
Gst No :- 27AEZPU0669J1ZG

Address :- Shop no.01, Amolak Setu Building, Kaka Chowk, Padampura, Aurangabad.

Thank you !!!

Mayur's 3D Creation

**Architecture, Structure &
MEP Consultant / BIM Service Provider.**

Er. Mayur Udewal
+91 9021453100

Er. Nilesh Udewal
+91 9503253100