



YOUR HEAD OFFICE FOR...

Visualization
COST CONTROL
INTERIORS

 Get advantage of the time zones to make your business work 24x7

 Reduce your workload and relax by offloading your work to us.

 Cut operational and software subscription cost.

 Get daily reports of the work assigned to us.

 Letting you focus on core activities.

Management Design **BIM Process** Texturing **Structural Analysis**
CAD Drafting Integrate **Collaboration Architectural** Planning
LOD Specifications Clash Detection As-Built Drawings ESTIMATION

Journey



- i** BIMagine Global Studio (BGS) was founded by Saurabh Kumar in 2019. While working with some of AEC companies, Saurabh observed that the potential of many young talents are not being utilized. Many of them lost their jobs in COVID pandemic as well.
- ii** An integrated team having the appropriate mix of talent, creativity and expertise was created including project managers, architects, engineers and draftsmen who use latest digital design tools and BIM process to deliver construction documents and models as per the client standards across all time zones.
- iii** This not only generated employment but also helped our overseas clients in their business growth through our remote employees. They can now focus more on the cores and adding value to their business.
- iv** Currently BGS is an Architectural and Engineering company offering all types of design solutions and virtual design construction (VDC) services which includes BIM and CAD support to its overseas clients reducing their workload and enhancing their productivity. Hence our clients spend minimum time on review cycles and get quality deliverables.



Saurabh Kumar
Founder & CEO

- ⦿ B.Tech Hons.in Civil Construction
- ⦿ Work experience in leading MNCs of AEC industry.
- ⦿ 8+ years of experience as digital design practice leader.
- ⦿ Awarded by Indian Concrete Institute and Association of Consulting Civil Engineers, India for his work on BIM.
- ⦿ Founder of " BIMagine Learning Frame " which uplift skill set of graduates and professionals in A/E industry.



BIMagine Global Studio
design powered by technology

What's Inside MEP Services Package ?

Why Us ?

- Letting you Focus on Core Activities
- Add Value to your Business
- Cut Operational Costs & Save Big
- Add Remote Employees to your Team
- Reduce Burden of Software Cost
- Get Regular Updates on Projects



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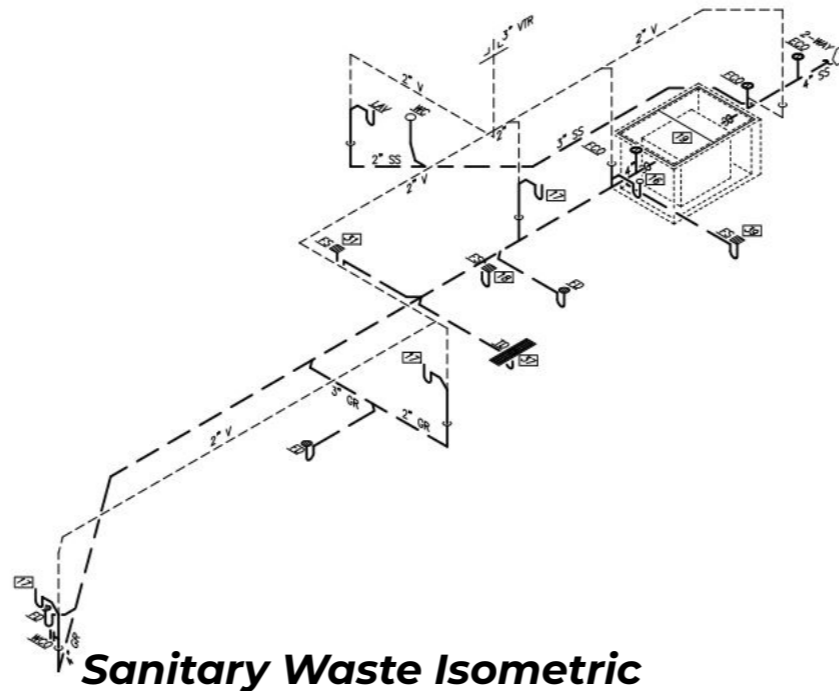
US: +1-646-480-2113

01. MEP Design

A. Mechanical and Plumbing Design

BIMagine provides mechanical, electrical, public health and fire protection building services design also known as building services engineering. Our LEED-accredited team of mechanical design engineers and electrical design engineers have experience in designing for new and renovated buildings in the US, UK and Australia.

Our experienced MEP design engineering professionals modify ourselves as per the client requirements deliver a range of MEP design services using the BIM process.

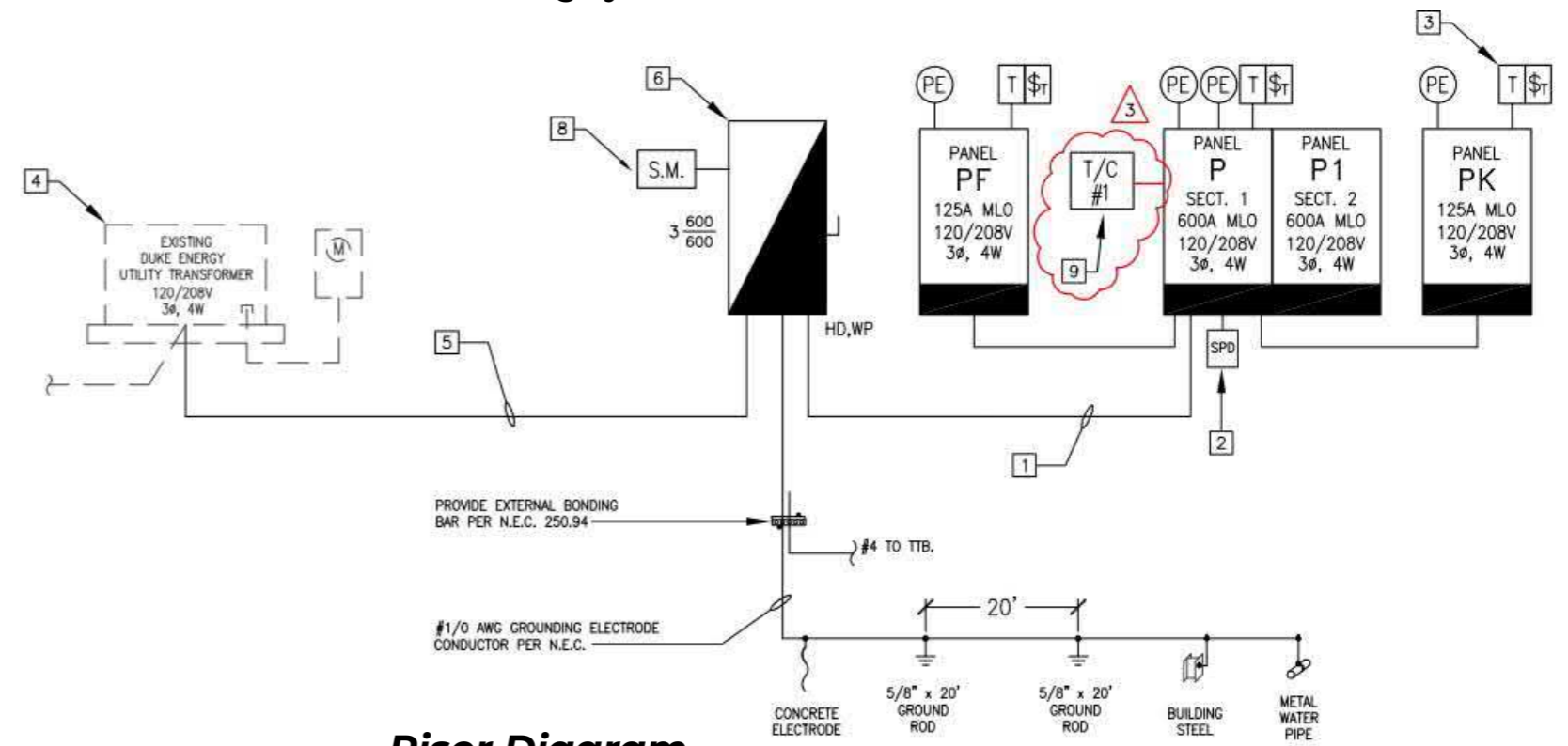


This Service Includes:

- ✓ Heating and Cooling Load Calculations by following the ASHRAE and ASME standards.
- ✓ Design and Selection of Fans / AHU / Chiller / Cooling Towers / Condenser / Pumps / FCU.
- ✓ Proposal of Cost efficient and Energy efficient HVAC Schemes of:
 - ➔ Chilled water system for both Air cooled and Water cooled Chillers.
 - ➔ Variable Refrigerant Flow System (VRF)
 - ➔ DX and Split System
- ✓ Plant Room Design and Making of BOQ .
- ✓ Pipe sizing, Duct sizing.
- ✓ HVAC, Plumbing, and Firefighting Equipment's Selection and Scheduling.
- ✓ Making of MEP Design and Shop Drawings on Auto CAD.
- ✓ Planning and Cost Estimation with problem solving & Quality Assurance skills.

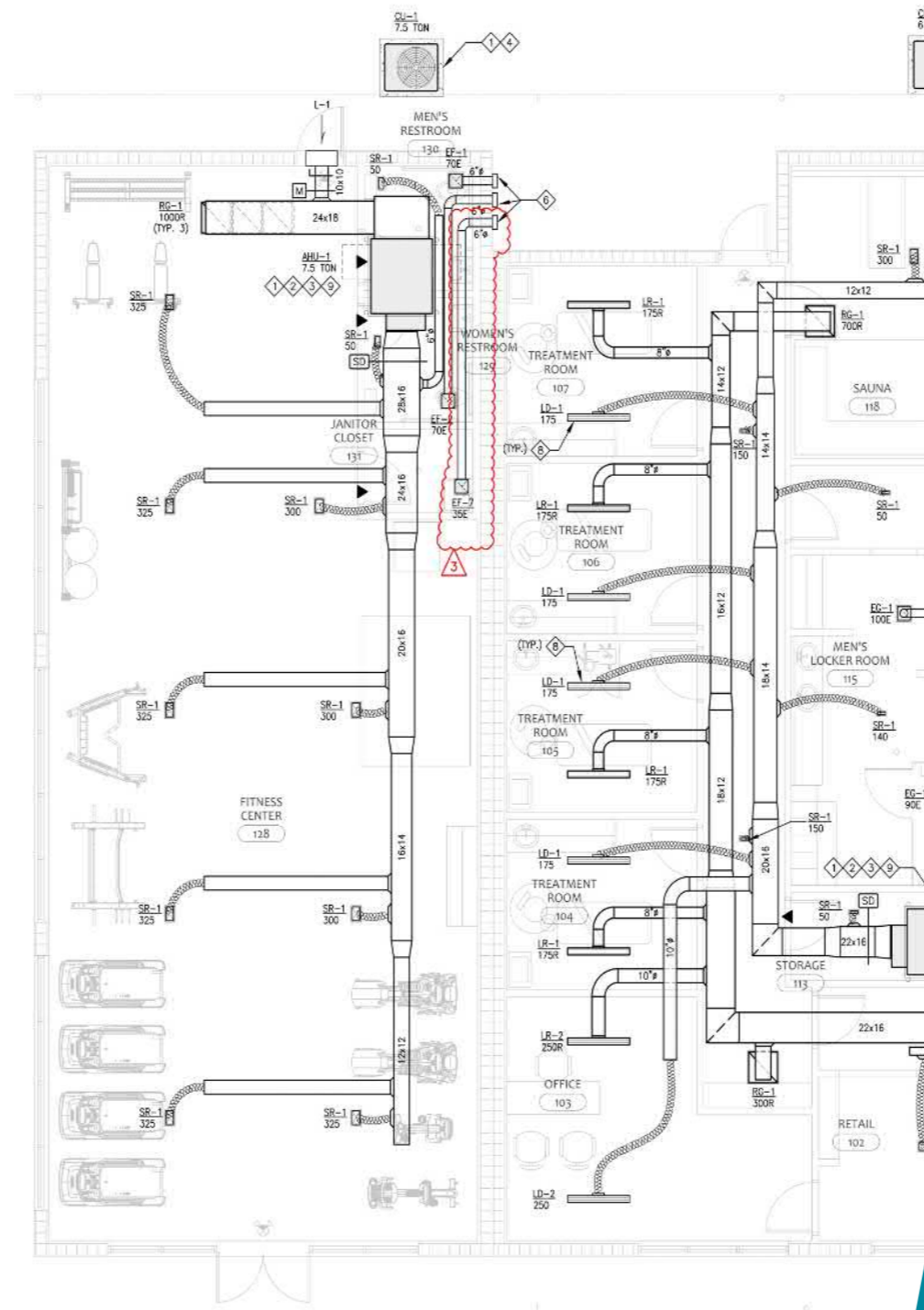
B. Electrical Design Service Includes :

- ✓ Lighting System (Indoor and Outdoor) .
- ✓ Small Power Sockets.
- ✓ Electrical Load Calculations with circuit breaker selection.
- ✓ Power Cable schedules.
- ✓ Single line diagram (SLD) of distribution boards and Panels.
- ✓ ELV systems (TV, Telephone, Fire Alarm, Public Address, Access system and CCTV).
- ✓ Lightning Protection System.
- ✓ Earthing System



02. Construction Documents Set

At BIMagine we aim at client satisfaction by providing high quality and detailed drawings. We understand the need of precise and coordinated drawings to improve the overall performance of a construction project and make it feasible. MEP shop drawings are required to manufacture prefabricated components in MEP installation which leaves zero room for error. Our MEP experts coordinate with Services engineers to understand the needs of the site enabling them to deliver precise installation drawings for seamless fabrication onsite. We have HVAC experts who understand the technical specification of duct branches, duct cut lengths, duct and pipe insulation thicknesses, etc and provide detailed and accurate drawings on time.



Mechanical Plan

CD Set includes but not limited to :

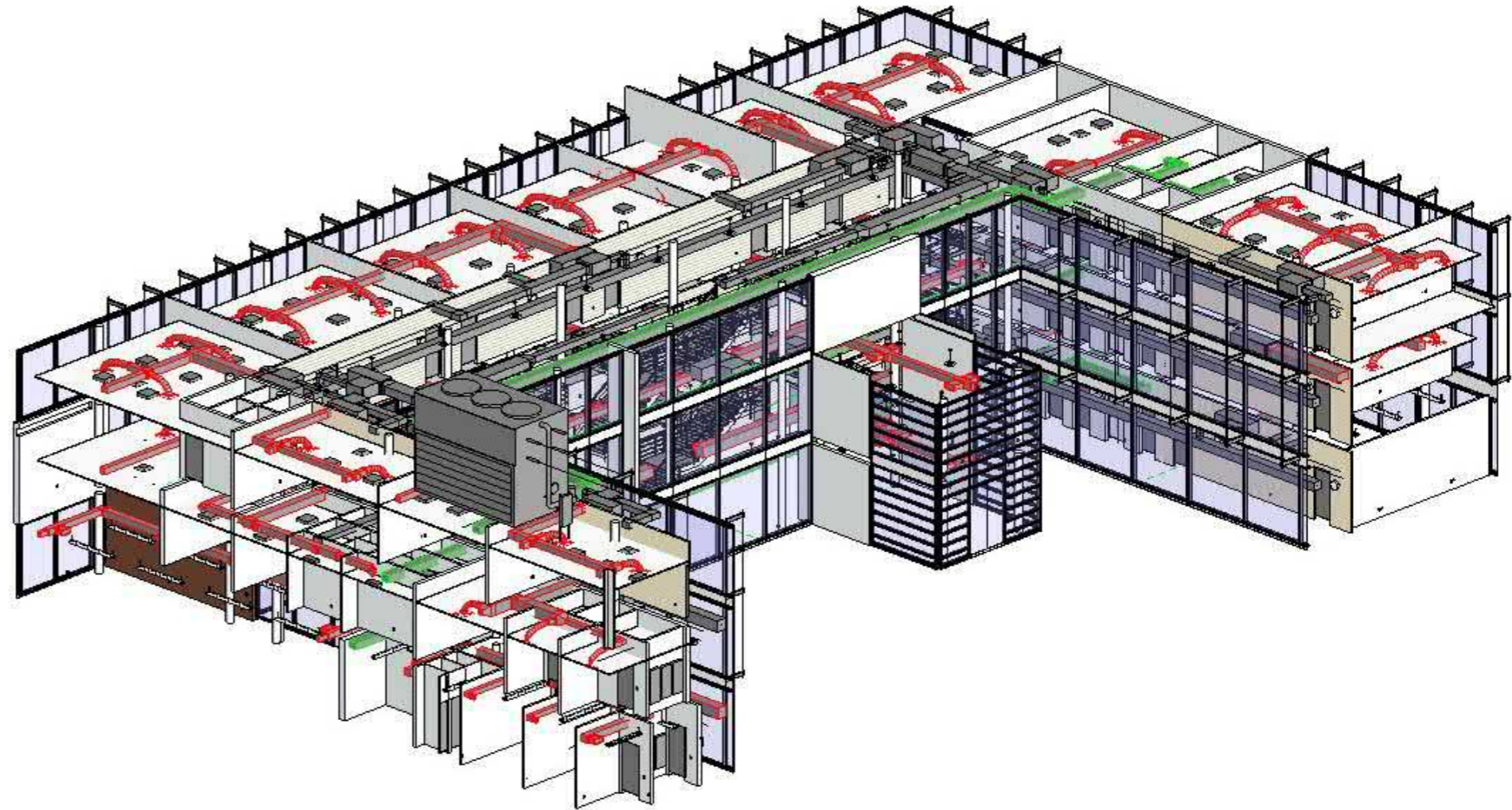
- ✓ **Lighting Plan**
- ✓ **Power and Systems Plan**
- ✓ **Riser Diagram and Panel Schedule**
- ✓ **Domestic Water Plan**
- ✓ **Domestic Water Isometrics**
- ✓ **Drainage, Waste and Vent Plan**
- ✓ **Plumbing Layouts and Riser Diagrams**
- ✓ **HVAC Duct Shop Drawing**
- ✓ **Mechanical piping detail drawings**
- ✓ **Mechanical Shop Drawing**
- ✓ **Duct Work Layout Drawings**

Note : A strict quality check before delivery is followed. We follow an approach of effective communication with client and stick to the initial schedule as decided throughout the project.



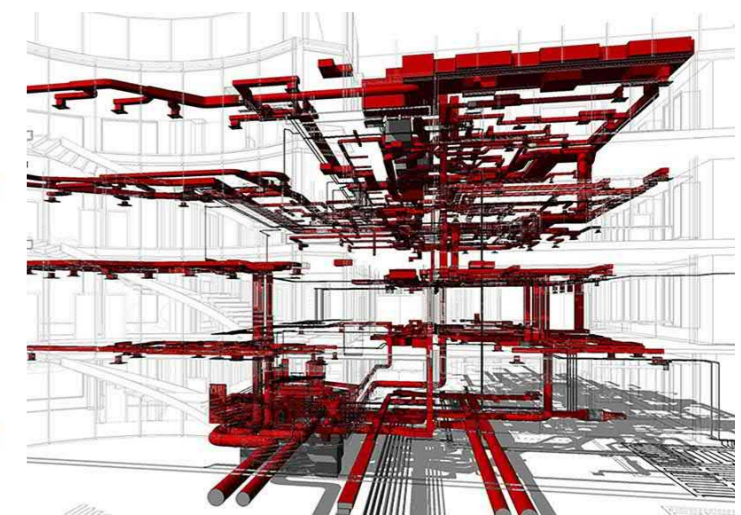
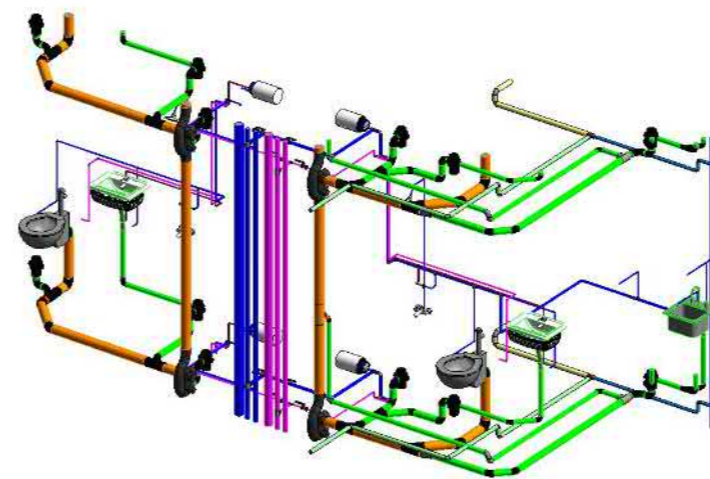
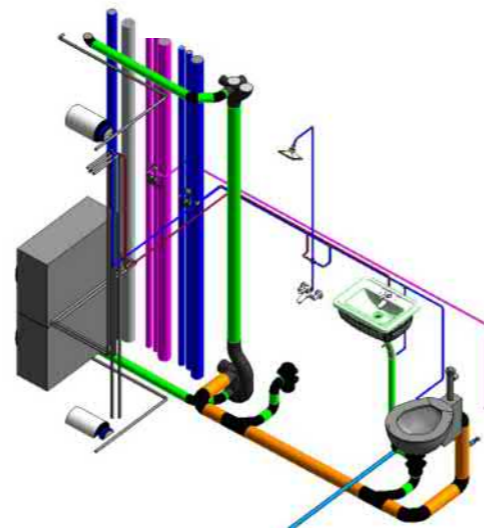
03. MEP BIM Service

We help MEP experts and BIM experts to rectify clashes amongst architectural, structural and MEP design of building by delivering a single coordinated model on BIM platforms to collaborate efficiently with general contractors. Along with clash detection and providing suggestions to mitigate we also provide construction scheduling videos in Navisworks to prevent any clashes during construction using our 4D BIM expertise. Our Revit MEP specialist coordinate with structural engineers and architects to coordinate designs and identify alternate designs to schedule simultaneous activities without onsite workflow clashes. We provide a detailed report regarding the clashes with alternatives and acts as per the client requirement.



MEP BIM service includes:

- ✓ 3D MEP Modeling
- ✓ Scan to BIM Modeling
- ✓ MEP Services Clash Detection
- ✓ Extracting of Issue/Clash Report from BIM Model
- ✓ MEP Model Coordination with Architectural and Structural Disciplines
- ✓ Quantity takeoffs/Schedules Extraction
- ✓ 4D BIM Construction Phasing / 4D Timeline

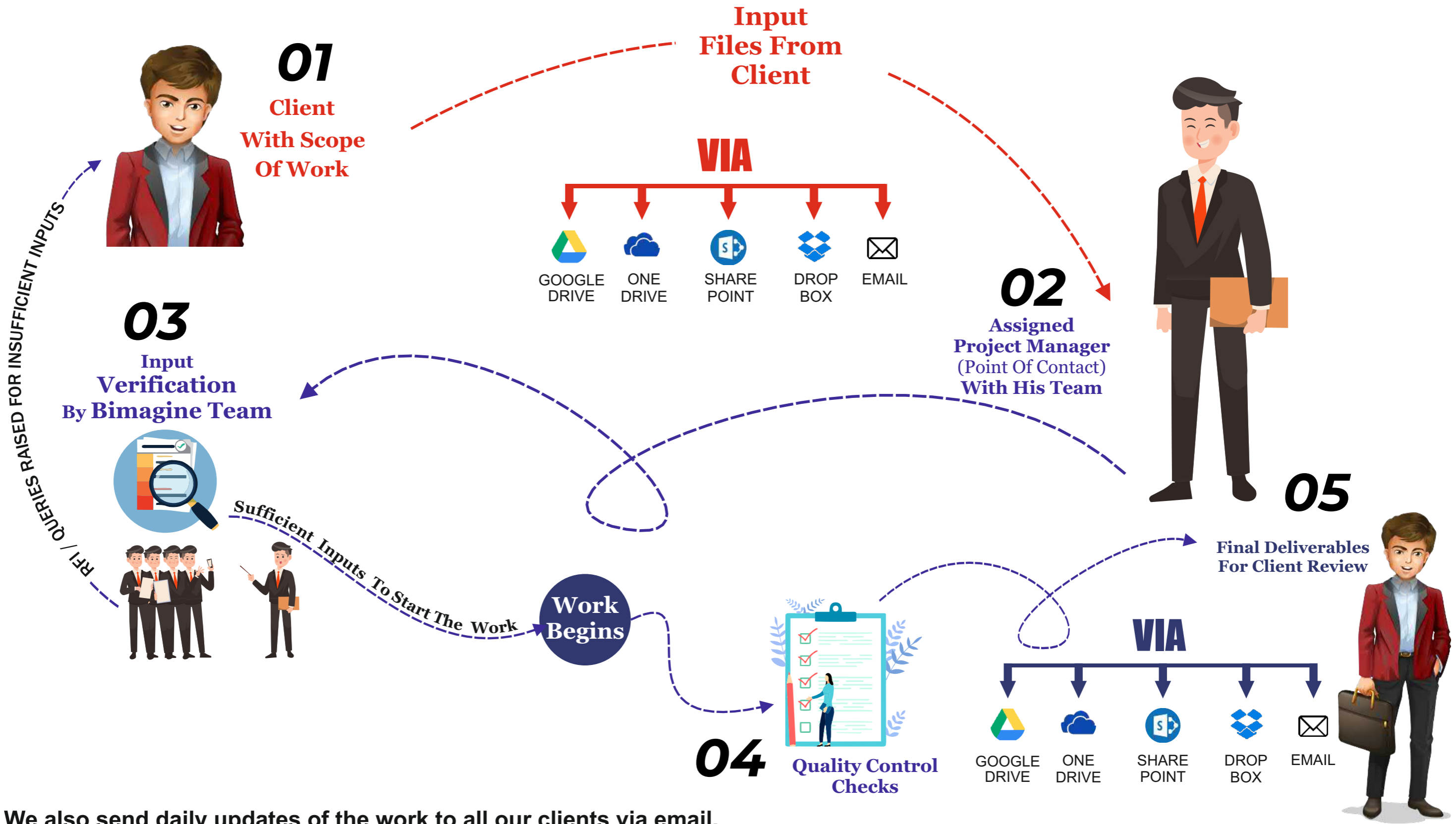


Revit MEP Modeling



How it Works

5 Step Process



Note : We also send daily updates of the work to all our clients via email.





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“ We would love to talk to you about any new projects you may have or any of our services you are interested in. ”



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