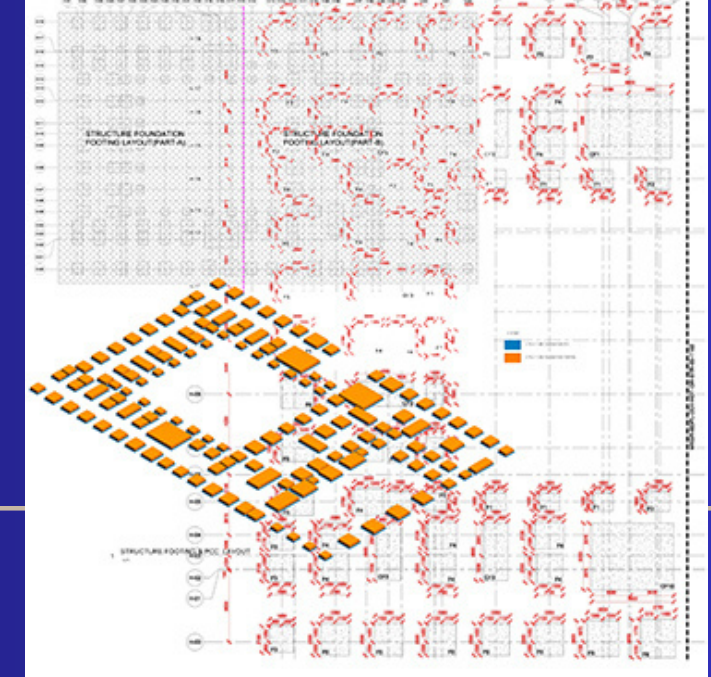




BIM SERVICES FOR ARCHITECTS, STRUCTURAL ENGINEERS AND MEP DESIGN FIRMS





ABOUT ROOTS BIM

Years of experience

Roots BIM LLC is a Chicago-based BIM consultation and design assistance firm. With over 30 years in the construction industry, our team brings over 60 years of collective experience in Virtual Design and Construction across North America, UK, and the Middle East.

Elevate Your Designs: Unleash the Power of BIM with Roots BIM LLC

Powerful. Collaborative. Efficient.

In today's competitive design landscape, Building Information Modeling (BIM) is no longer a luxury, it's a necessity. Roots BIM LLC offers a comprehensive suite of BIM services tailored to the specific needs of design firms like yours, including architects, structural engineers, and MEP (Mechanical, Electrical, and Plumbing) specialists.



OUR SERVICES FOR ARCHITECTS,
STRUCTURAL ENGINEERS AND
MEP DESIGN FIRMS

UNLEASH THE POTENTIAL OF BIM FOR YOUR DISCIPLINE

01 BIM for Architects:



- **3D Modeling & Visualization:** Create intelligent 3D models that enhance design communication, collaboration, and client buy-in.
- **Automated Documentation:** Leverage BIM to automate tasks like generating construction documents, schedules, and specifications.
- **Sustainable Design Integration:** Utilize BIM with energy analysis tools to optimize building performance and achieve sustainability goals.

02 BIM for Structural Engineers:



- **Structural Modeling & Analysis:** Develop robust and coordinated structural models for accurate analysis and design.
- **Fabrication & Construction Sequencing:** Utilize BIM for structural detailing, fabrication drawings, and construction sequencing for improved efficiency.
- **Advanced Structural Simulation:** Integrate BIM with finite element analysis (FEA) software for complex structural simulations and code compliance.

03 BIM for MEP Design Firms



- **MEP System Design & Coordination:** Design and model complex MEP systems with clash detection to avoid costly rework and ensure seamless integration.
- **Quantity Takeoffs & Cost Estimation:** Generate accurate quantities and material takeoffs for precise cost estimation and procurement.
- **Facility Management & Building Lifecycle:** Utilize BIM for facility management purposes and plan for the building's lifecycle through BIM-based data



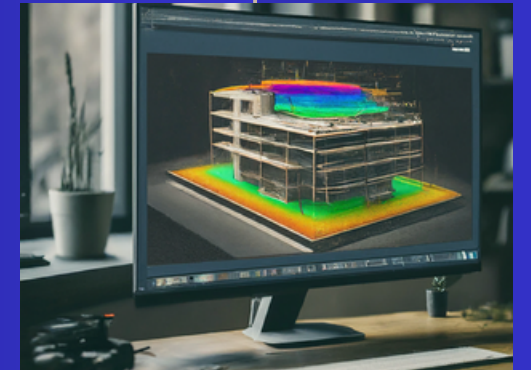
BENEFITS YOU REAP WITH ROOTS BIM LLC:

Enhanced Collaboration:

- Improved communication and coordination between architects, engineers, and other stakeholders, leading to fewer errors and a smoother project flow.

Reduced Cost:

- Minimized errors and rework through clash detection and improved design accuracy, resulting in cost savings throughout the project lifecycle.



Increased Efficiency:

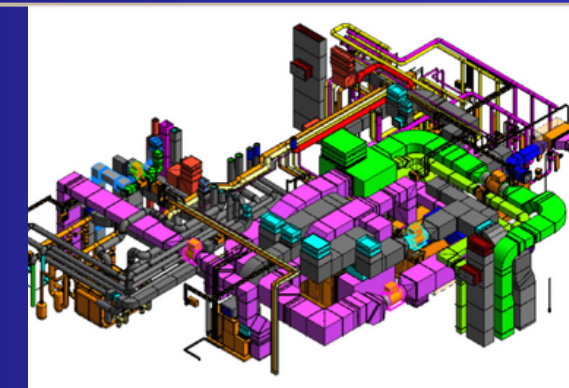
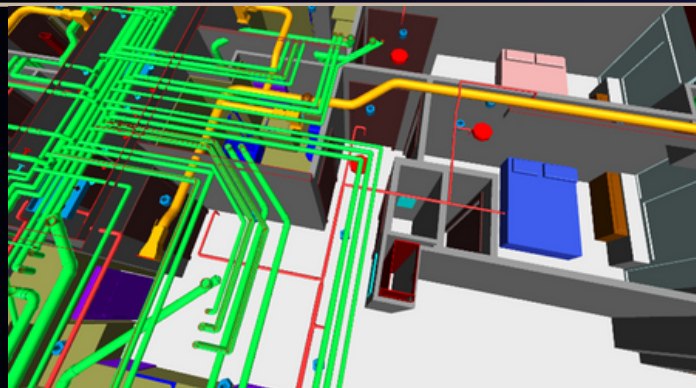
- Streamlined workflows with BIM tools that automate tasks, allowing you to focus on design innovation and problem-solving.

Improved Project Delivery:

- Meet deadlines and budgets with better project visibility and control through BIM-enabled data and communication.

Sustainable Design Expertise:

- Achieve your sustainability goals with our expertise in integrating BIM with energy analysis tools for high-performance building design.



Experienced BIM Professionals:

- Our team comprises certified BIM experts with extensive experience collaborating with design firms like yours in the AEC industry.



Cutting-Edge Technology:

- We utilize the latest BIM software and tools to ensure optimal project outcomes, maximizing the potential of BIM for your specific needs.



Tailored Solutions:

- We develop customized BIM workflows that seamlessly integrate with your existing design software and processes, ensuring a smooth transition and maximizing your team's productivity.

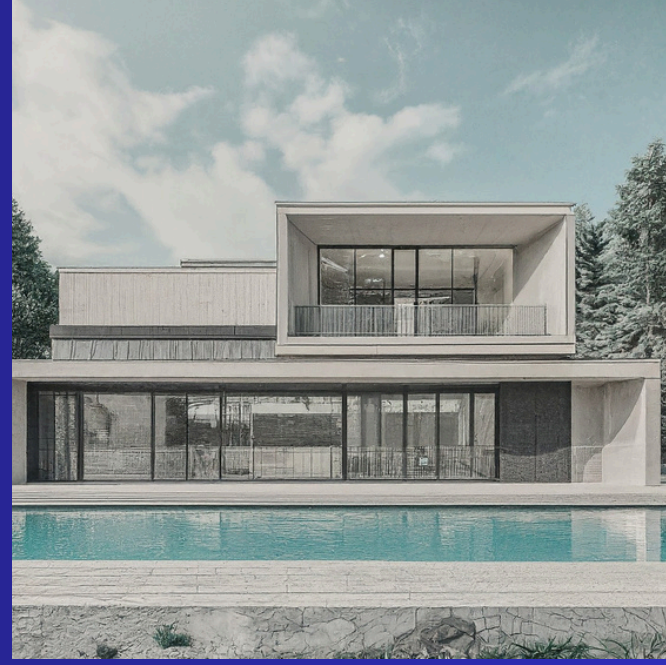


Seamless Integration:

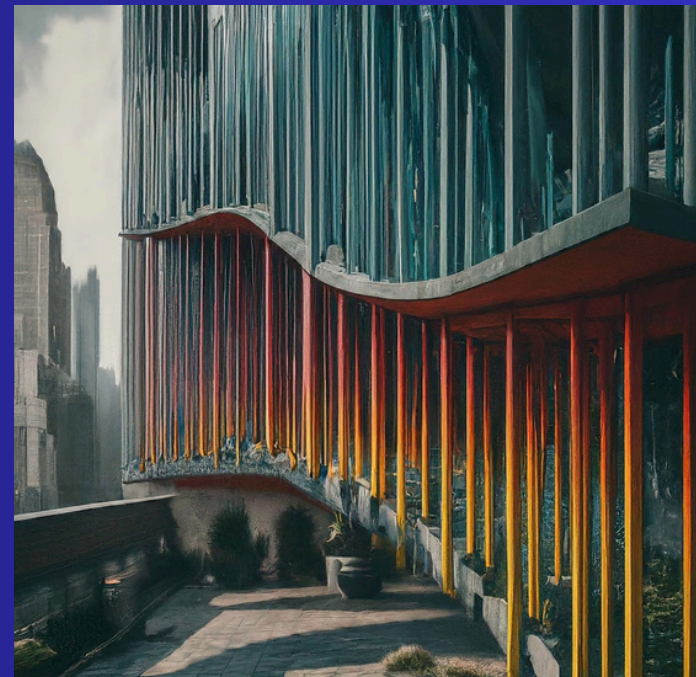
- We work collaboratively with your team to integrate BIM into your existing design workflows, ensuring a smooth transition and knowledge transfer.



BIM DELIVERABLES FOR ARCHITECTS:

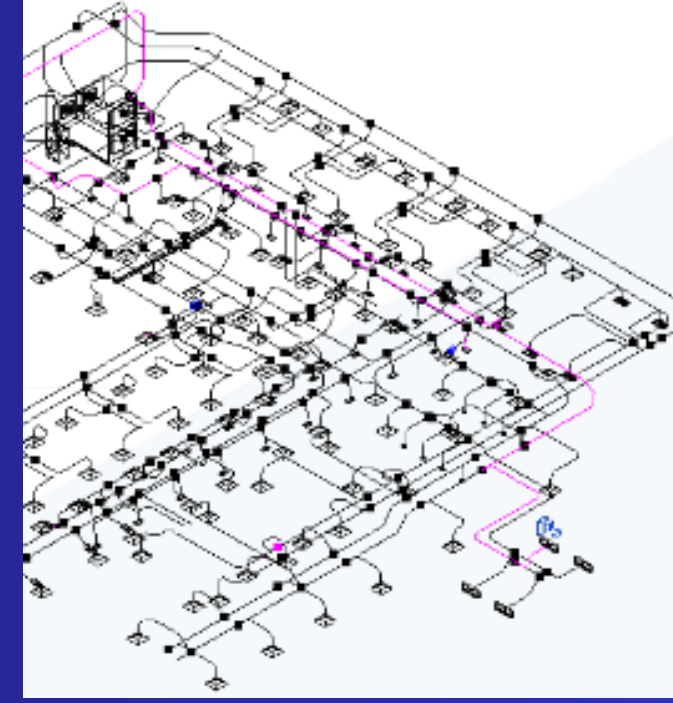
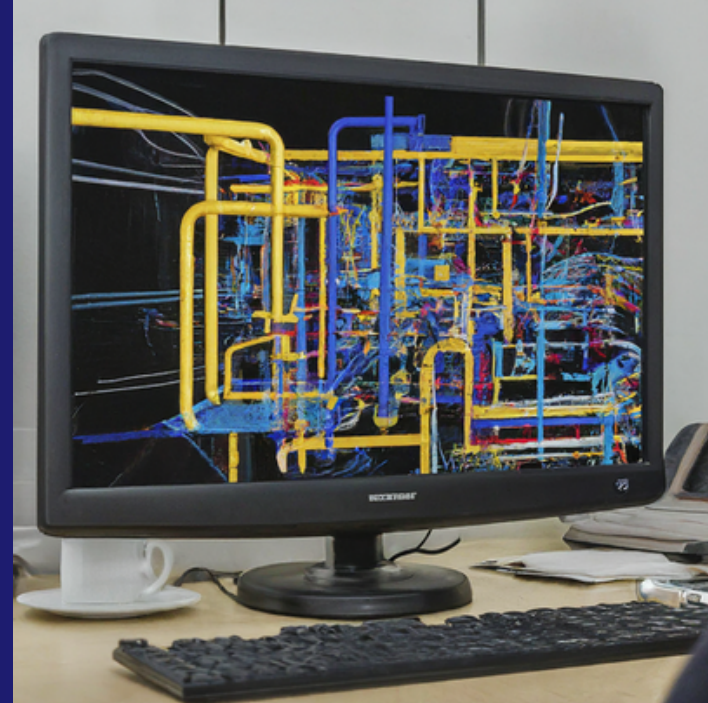
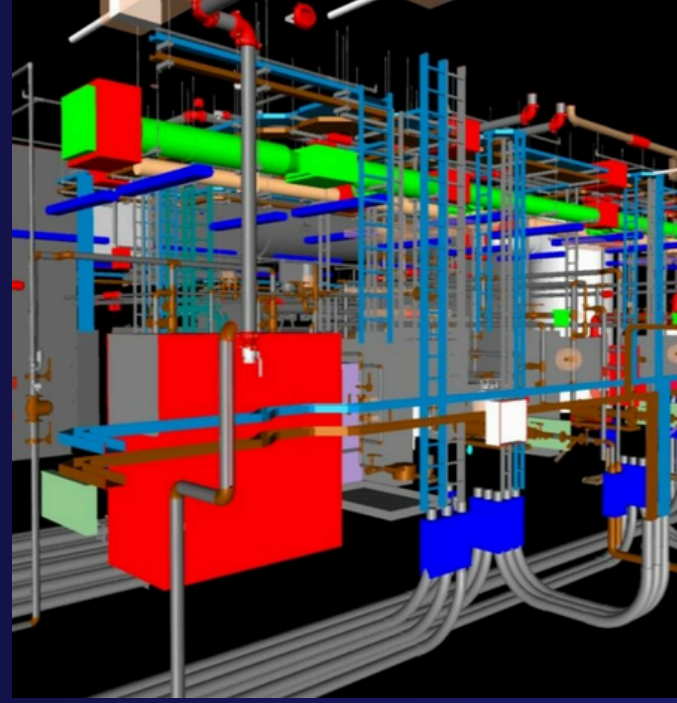
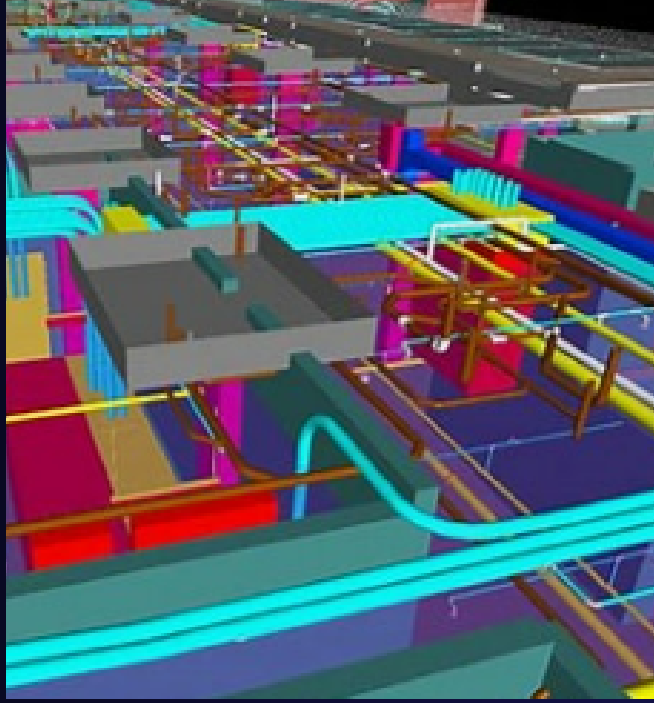
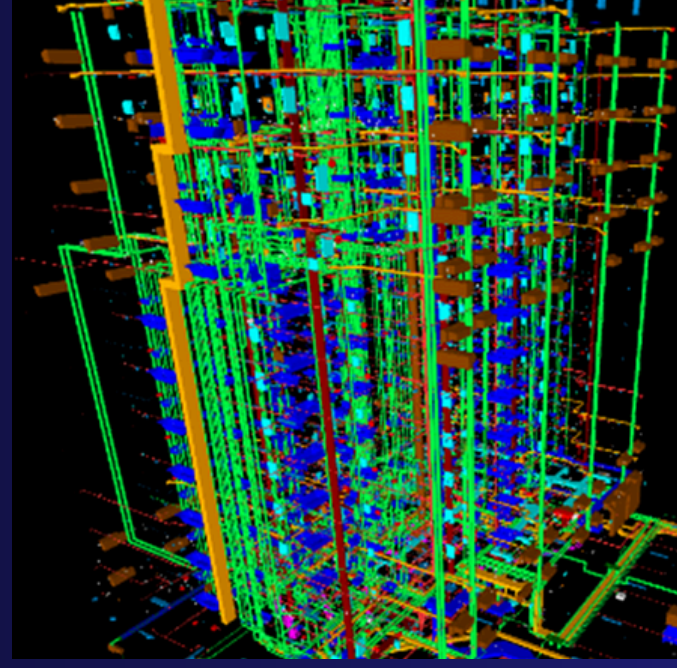
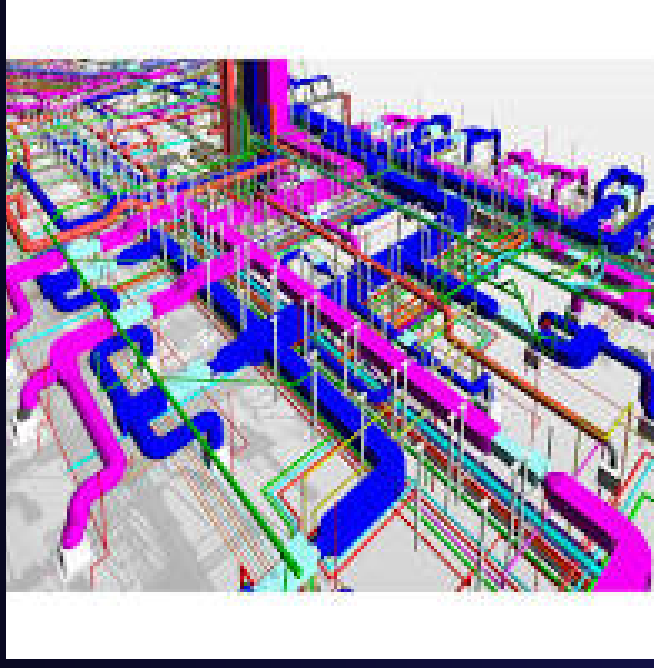


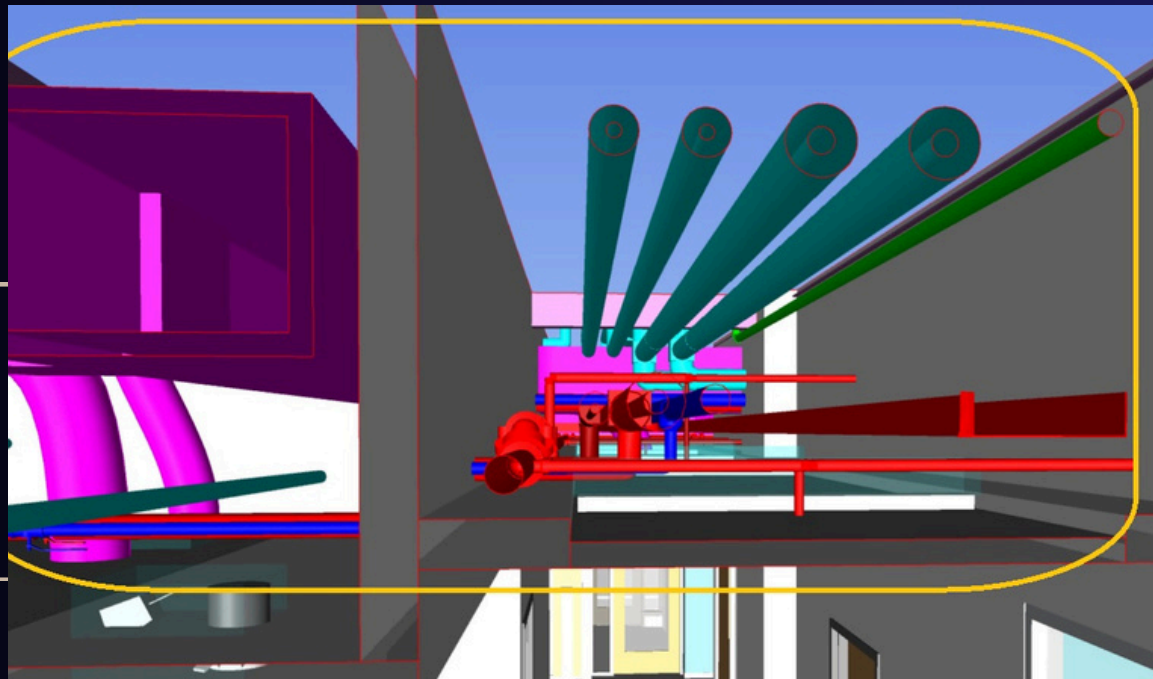
BIM DELIVERABLES FOR STRUCTURAL ENGINEERS:



BIM DELIVERABLES FOR MEP

DESIGN FIRMS





Ready to Take Your
Designs to the Next Level?

CONTACT ***
INFORMATION



+1 440 836 3376



www.rootsbim.com



info@rootsbim.com

