

# BIM DESIGN SUPPORT

# MEET UPPTTEAM



Since Uppteam's founding in 2006, we have been dedicated to helping AEC firms grow through qualified and cost-effective remote staffing. With an operational division located in India and representative staff in the US, our unique model starts with a state-of-the-art training institute and provides continuous education for our architectural and engineering designers, resulting in exceptional design and construction document sets for clients. We work together to achieve huge cost savings and quick turnaround times by leveraging the benefits of a 24-hour international business.

# THE UPPTTEAM ADVANTAGE

- Reduce deadline stress with 24-hour working efficiency
- Grow through cost savings by employing Uppteam at a lower monthly rate and no overhead costs
- Produce high-quality deliverables through exceptional internal quality control and adaption to your standards
- Spend more time on business development and winning new work with a dedicated production team

## → The Value We Provide Starts with Our Team:

Our technical expertise consistently exceeds client expectations, from recruiting professionals with engineering degrees from accredited universities to ensuring every designer is certified in AutoCAD and REVIT and training our employees in the US standards and regulations. We also know the importance of communication when collaborating under tight deadlines. We invest in our team's professional development by hiring individuals with exceptional English communication skills and providing ongoing training by a dedicated in-house English tutor.



# BIM DESIGN SUPPORT

Point Cloud Registration

Scan to BIM

Architectural BIM

Structural BIM

MEP BIM

2D Drafting

BIM Coordination

Clash Detection

Construction Drawings

Shop Drawings

Fabrication

Revit Family Creation

Survey Mapping

4D Scheduling

5D Quantities and Cost

3RD Party QC

# ARCHITECTURAL BIM DESIGN

Our integrated design and engineering teams leverage their expertise in the sphere of BIM to deliver accurate, high-quality, and precise BIM models on time. At Uppteam, we transform rough sketches into high-quality 3D models and detailed 3D photorealistic images per the requirements. We work extensively on architectural BIM services, including building information models from rough sketches and CAD drawings, as well as documentation in 3D models, BIM, analysis, clash detection, and content creation.



## ASSIGN US ARCHITECTURAL BIM DESIGN TASKS

Converting 2D drawings (PDF or CAD) to 3D BIM models

Interior & exterior modeling

Floor finish plans and details

Furniture layout plans

Facade details

Landscape plans details

Egress plans

Building sections

Elevations

Staircase/ vertical circulations details

Generating quantities from the 3D BIM architectural model

Revit family creation

Point cloud to architecture BIM 3D model

Scanned/ handmade sketch to 2D CAD conversion

# STRUCTURAL BIM DESIGN

Uppteam provides complete BIM structural and construction documentation services for low—to high-rise residential, institutional, industrial, and commercial buildings. This includes drafting and detailing, along with 3D modeling. Our skilled and experienced engineering designers ensure that clients get a clear idea of all aspects of building geometry, geographic information, building materials, building properties, and resources required for the project.



## ASSIGN US STRUCTURAL BIM DESIGN TASKS

Design development support & coordination

Converting 2D drawings to 3D models

3D/ 4D/ 5D modeling for structural designs

Drawing set creation/ CD sets

Quantity take-off & cost estimate

Creation of intelligent parametric libraries

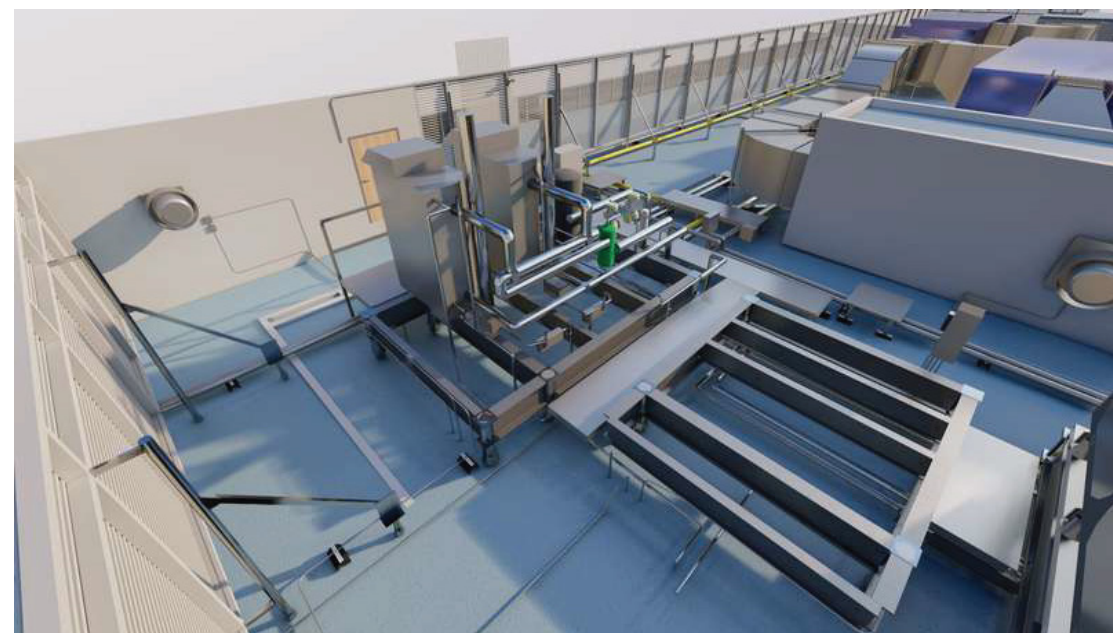
Marketing presentation model for bidding purpose

Creation of site logistics models before construction

Trust/ structural family creation

# MEP BIM DESIGN

Uppteam takes care of the complete coordination of the MEP BIM model in all aspects, such as HVAC, mechanical, electrical, plumbing, fire protection, structure, and architecture, by ensuring it's error-free. Uppteam has vast experience designing projects ranging from residential to commercial, aviation to automobile, retail to industrial, and health care to hospitality. With competency in various MEP design software, Uppteam offers detailed, precise, and quality MEP BIM services. Our services in BIM provide convenience to the clients, and the execution team works on the drawings and models that are well coordinated and clash-free.



## ASSIGN US MEP BIM DESIGN TASKS:

3D MEP models

Mechanical modeling

Electrical modeling

Plumbing modeling

Fire protection modeling

Oil and gas industry modeling

Scan to BIM MEP modeling

Site lighting modeling

Internal and external clash coordination

MEP family creation

# BIM 2D DRAFTING

Uppteam delivers technically sound and low-cost 2D drafting services to AEC businesses. Our teams have the expertise to assist various business owners, such as Architects, Structural Consultants, MEP Consultants, Mechanical Designers, Landscapers, Interior Designers, Real Estate developers, and Fabricators. Our draftsmen are skilled and experienced enough to create detailed and accurate CAD drawings per the USA's building codes. By accessing our services, your drawings will be easily integrated with other parts or assemblies, speeding up the CAD design process.



## ASSIGN US BIM 2D DRAFTING TASKS

Bulk drawing conversion for all disciplines

CAD construction drawing set

Architectural 2D CAD drafting

Structural 2D CAD drafting

Floor plan layouts

Scanned/ handmade sketch to

2D CAD conversion

Standardization of drawings

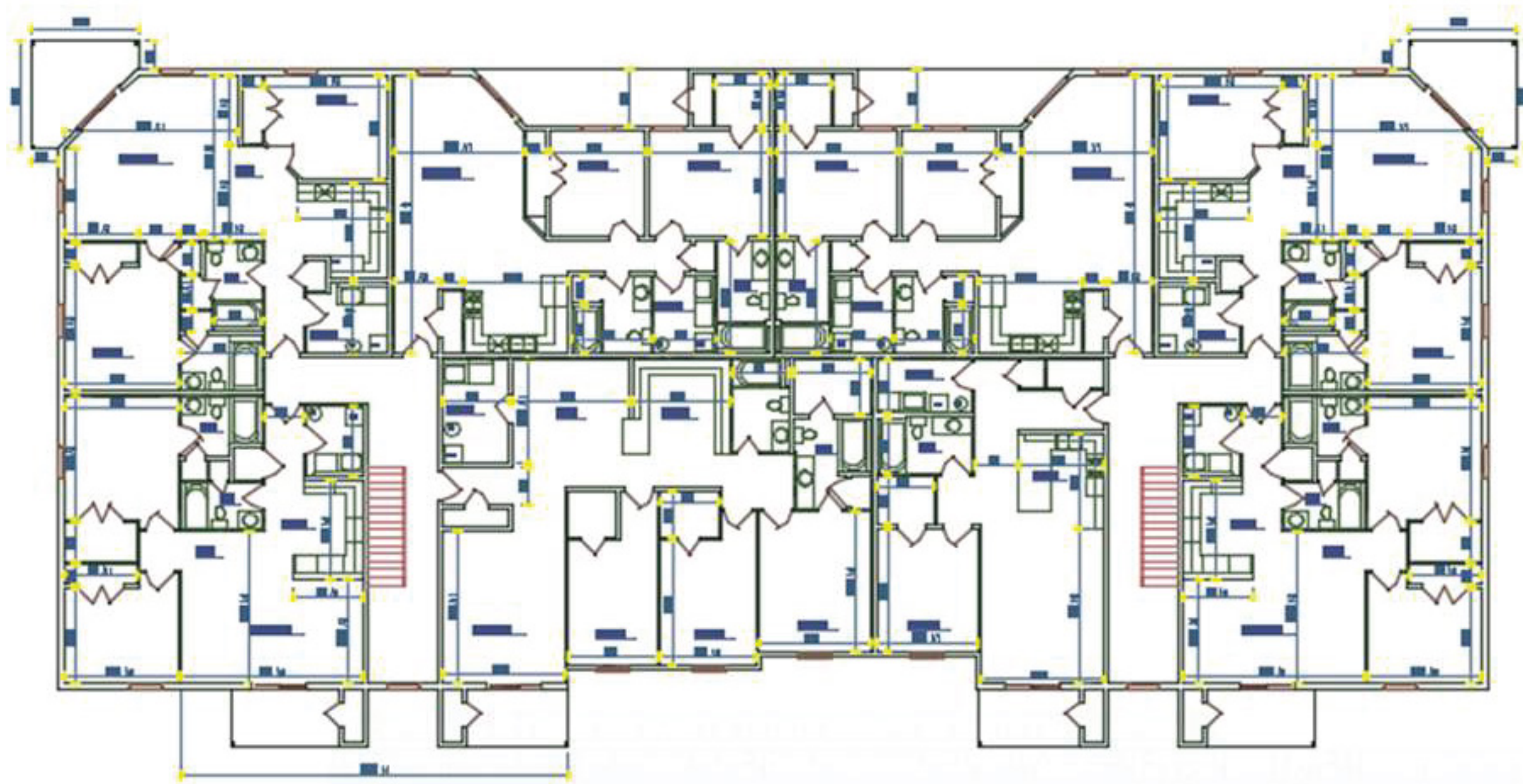
Redline markups

Scan to BIM 2D drafting



# CONSTRUCTION DRAWINGS PRODUCTION

## ASSIGN US CONSTRUCTION DRAWINGS TASKS



Bulk drawing conversion for all disciplines

CAD construction drawing set

Architectural 2D CAD drafting

Structural 2D CAD drafting

Floor plan layouts

Scanned/ handmade sketch to

2D CAD conversion

Standardization of drawings

Redline markups

Scan to BIM 2D drafting

# BIM COORDINATION & CLASH DETECTION

Uppteam provides clash-free models with a quick turnaround time. Our clash detection and coordination services allow clients to check and solve clashes between various systems, such as Architectural, Mechanical, Electrical, Plumbing, Fire Protection, Structural, and Interior designs. Any errors during the construction process could lead to high-cost implications. Our highly skilled designers detect issues before construction starts.

## ASSIGN US BIM COORDINATION & CLASH DETECTION TASKS

Clash detection report for inter & all discipline

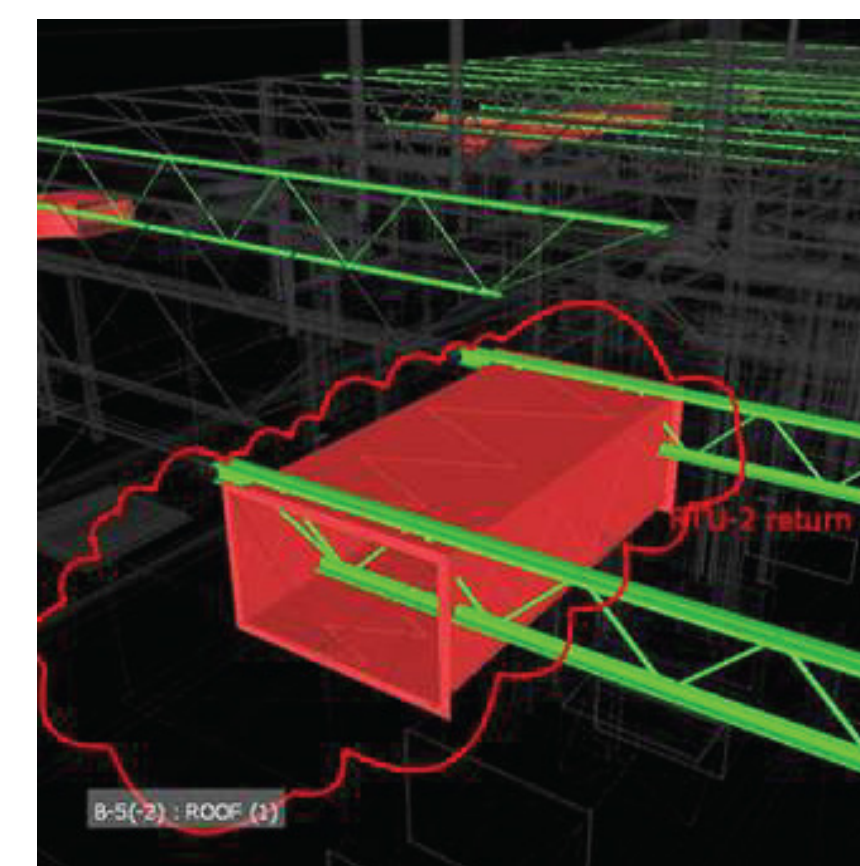
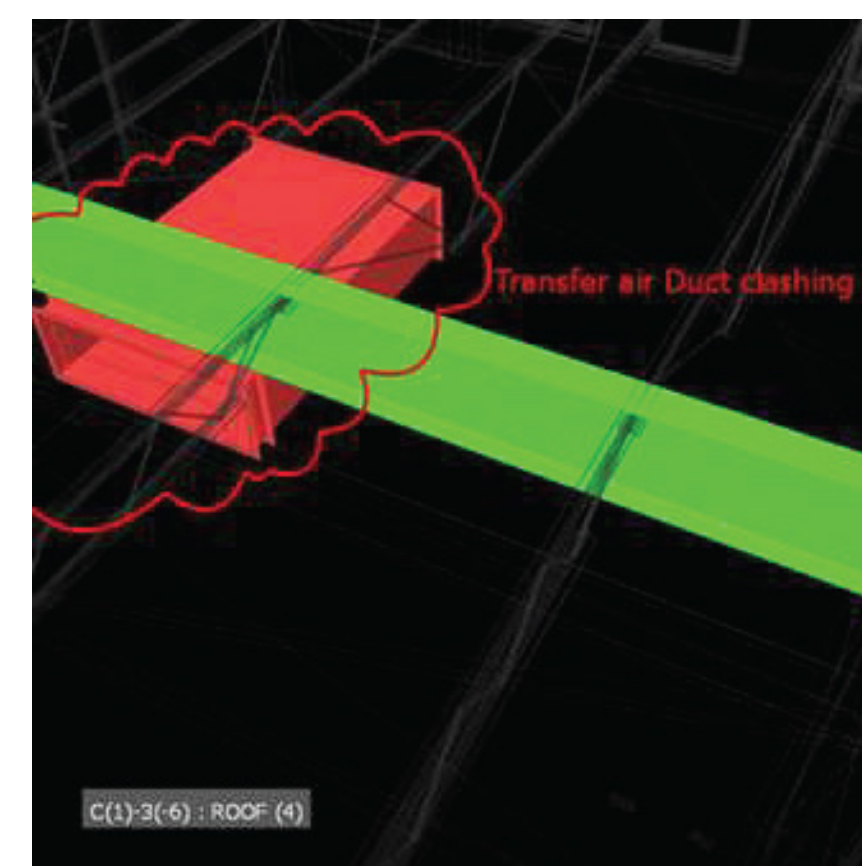
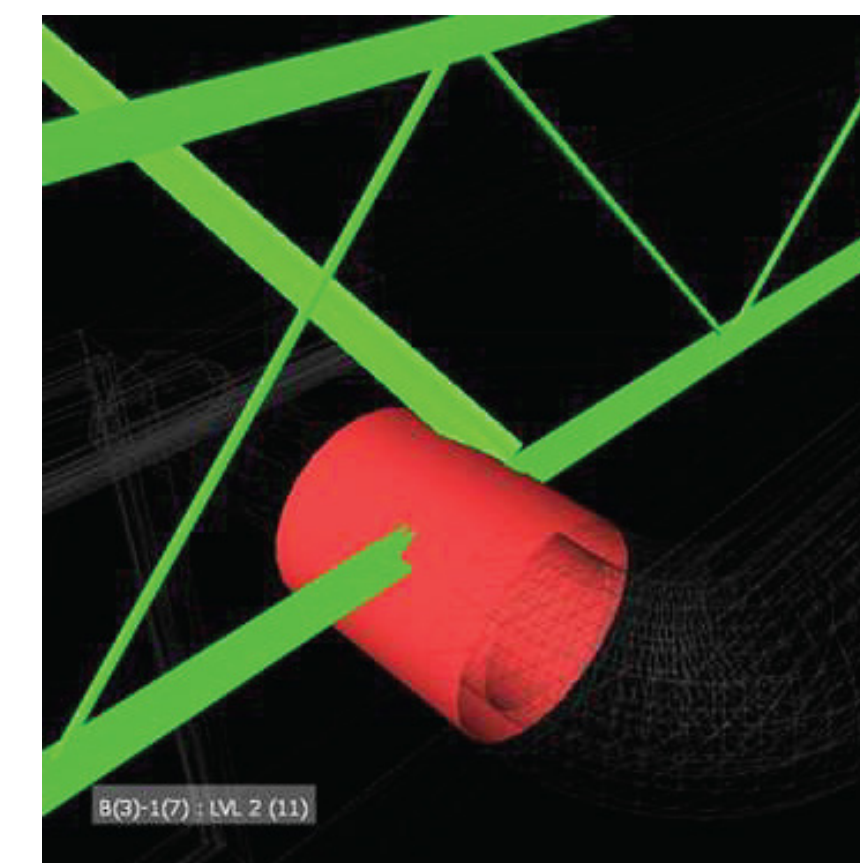
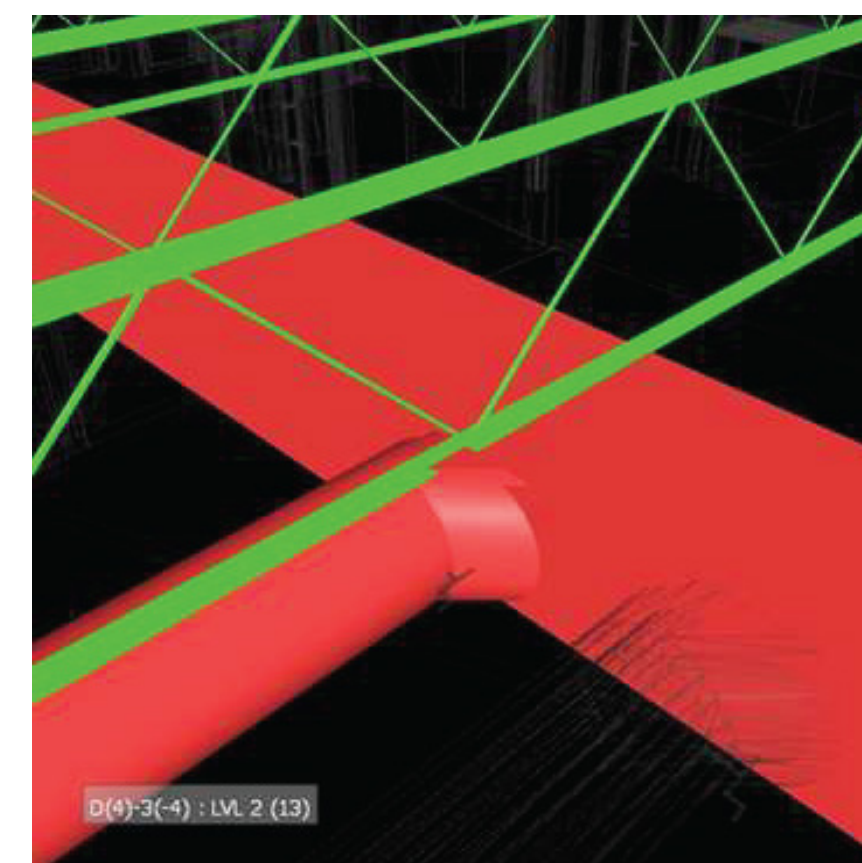
Clash-free BIM model

Hard clash detection

Soft clash detection

BIM clash resolution suggestions

Design team collaboration



# SHOP DRAWINGS/ FABRICATION

Uppteam creates shop drawings per the project standards and helps the contractors, suppliers, fabricators, and manufacturers during construction. Uppteam can produce fabrication drawings for commercial, industrial, and residential projects. Our Shop drawing services include Penetration Drawings, Spool Drawings, Sleeve Drawings, and Insert Layout Drawings. Our in-house team of qualified engineering designers is experienced in creating shop drawings per the client's requirements. Our constant endeavor is to deliver high-quality drawings and ensure customer satisfaction for all projects we execute.

## ASSIGN US SHOP DRAWINGS/ FABRICATION TASKS

Coordinated MEP Shop Drawings

HVAC Duct Shop Drawings

Plumbing & Piping Shop Drawings

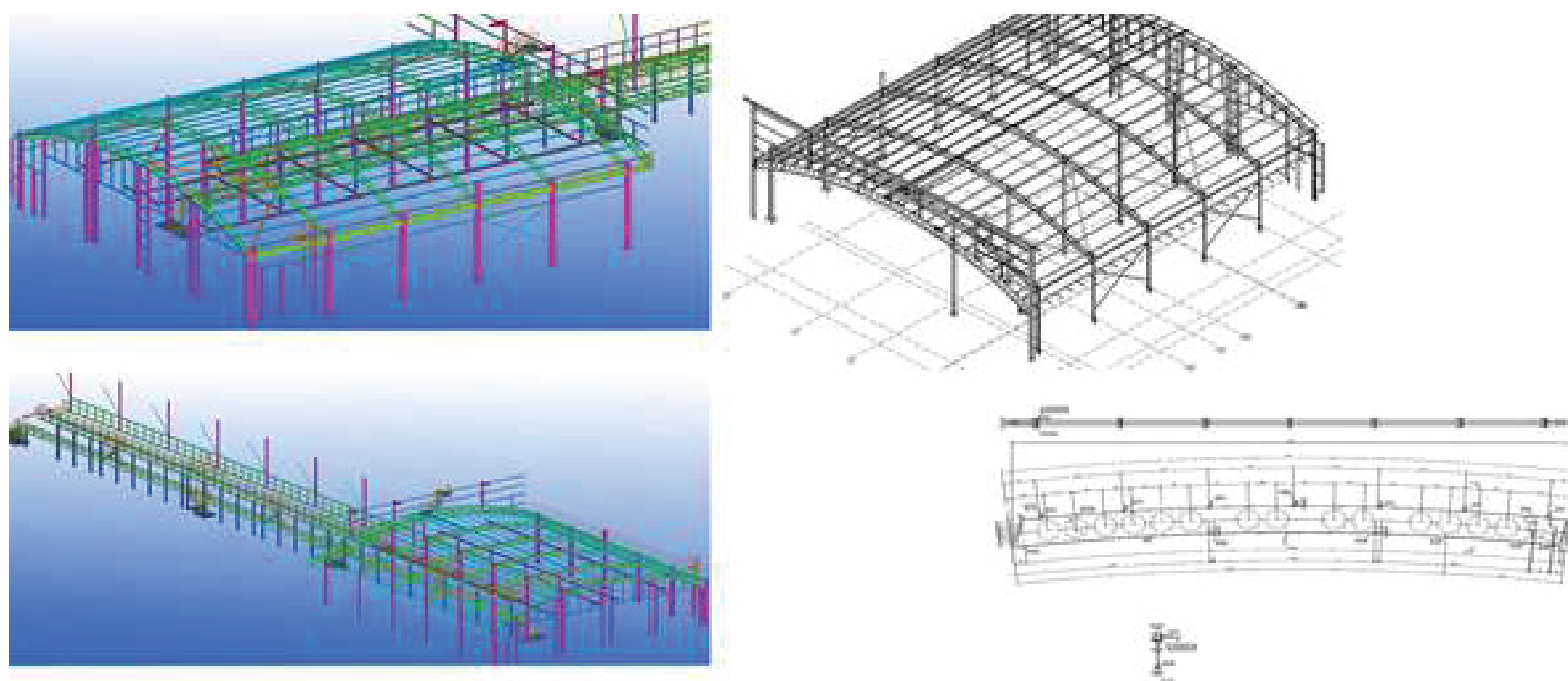
Electrical Shop Drawings

Fire Protection Shop Drawings

Millwork Shop Drawings

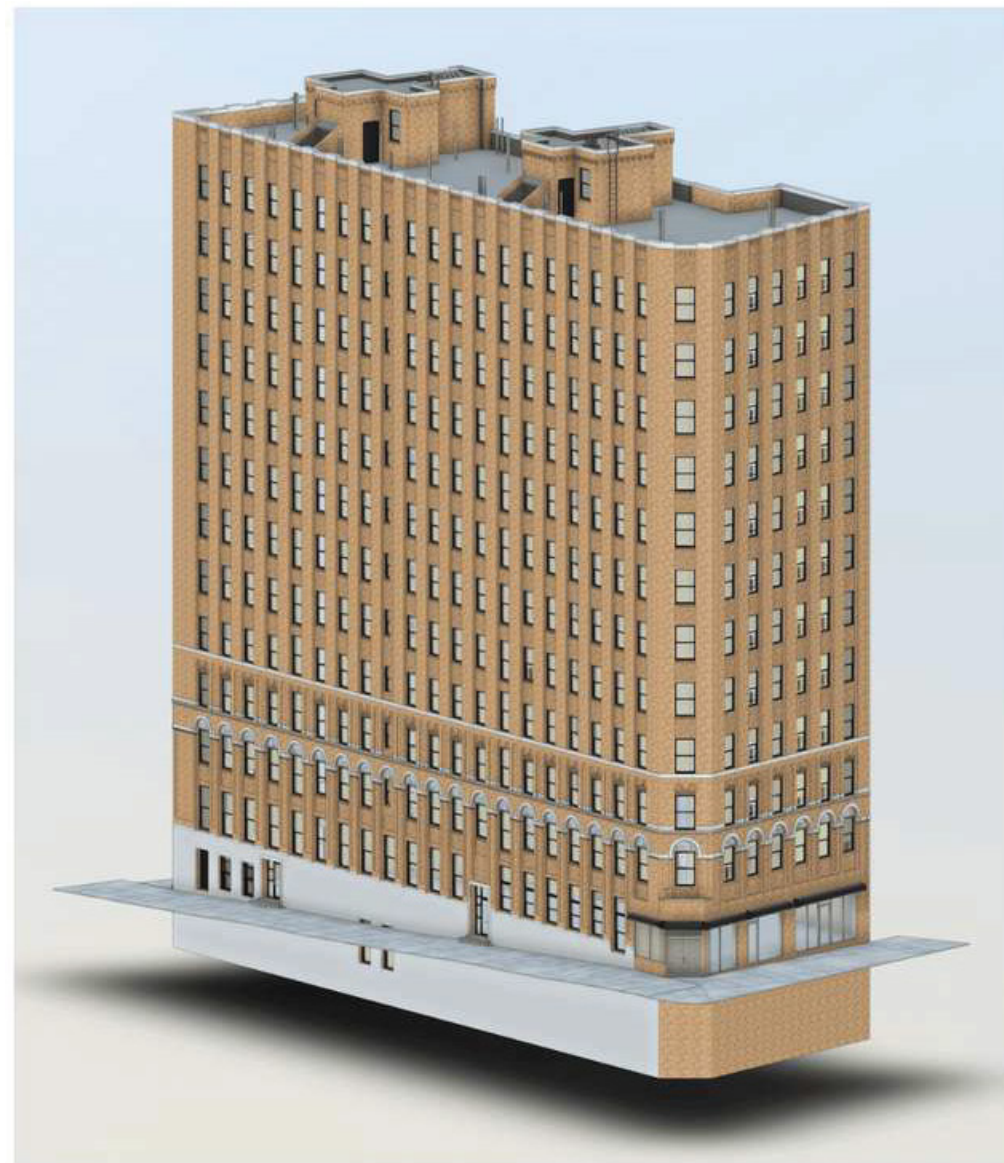
Aluminum/ Metal wall cladding Drawings

Assembly Drawings



# SCAN TO BIM SERVICES

Uppteam delivers an accurate and parametric As-Built BIM Model and 2D CAD Model showing the project's pipes, walls, slabs, roof planes, facades, and landscapes. Our expert engineering designers can provide models (LOD 100 to 500) that cover all architectural, structural, and MEP aspects, along with clash detection for their projects. We have well-educated and trained professionals in technologies to convert raw laser scans of the building into 3D BIM models.



## ASSIGN US ARCHITECTURAL BIM DESIGN TASKS

Bulk drawing conversion for all disciplines

CAD construction drawing set

Architectural 2D CAD drafting

Structural 2D CAD drafting

Floor play layouts

Scanned/ handmade sketch to 2D CAD conversion

Standardization of drawings

Redline markups

Scan to BIM 2D drafting

# REVIT FAMILY CREATION

Special expertise is required when creating Revit families, as each element needs to be modeled perfectly with the right geometry. Upptimeam has trained and experienced teams that mainly focus on family creation projects, ensuring a high-quality service. Our experts can create more accurate parametric and non-parametric models with a complete assembly of objects for the perfect BIM construction.

## ASSIGN US REVIT FAMILY CREATION TASKS

Architecture Family

Structure Family

MEP Family

Furniture Revit Family

Kitchen Accessories Revit Family

Pipes and Fixtures Revit Family

Windows and Doors Family

# 4D SCHEDULING & 5D QUANTITIES AND COST

## ASSIGN US BELOW TASKS

4D BIM Construction Phasing

4D TimeLine Services

Model-based schedule

Non-Model based schedule optimization

Production Control

5D Conversion

Quantity Take-off

Estimating Assistance

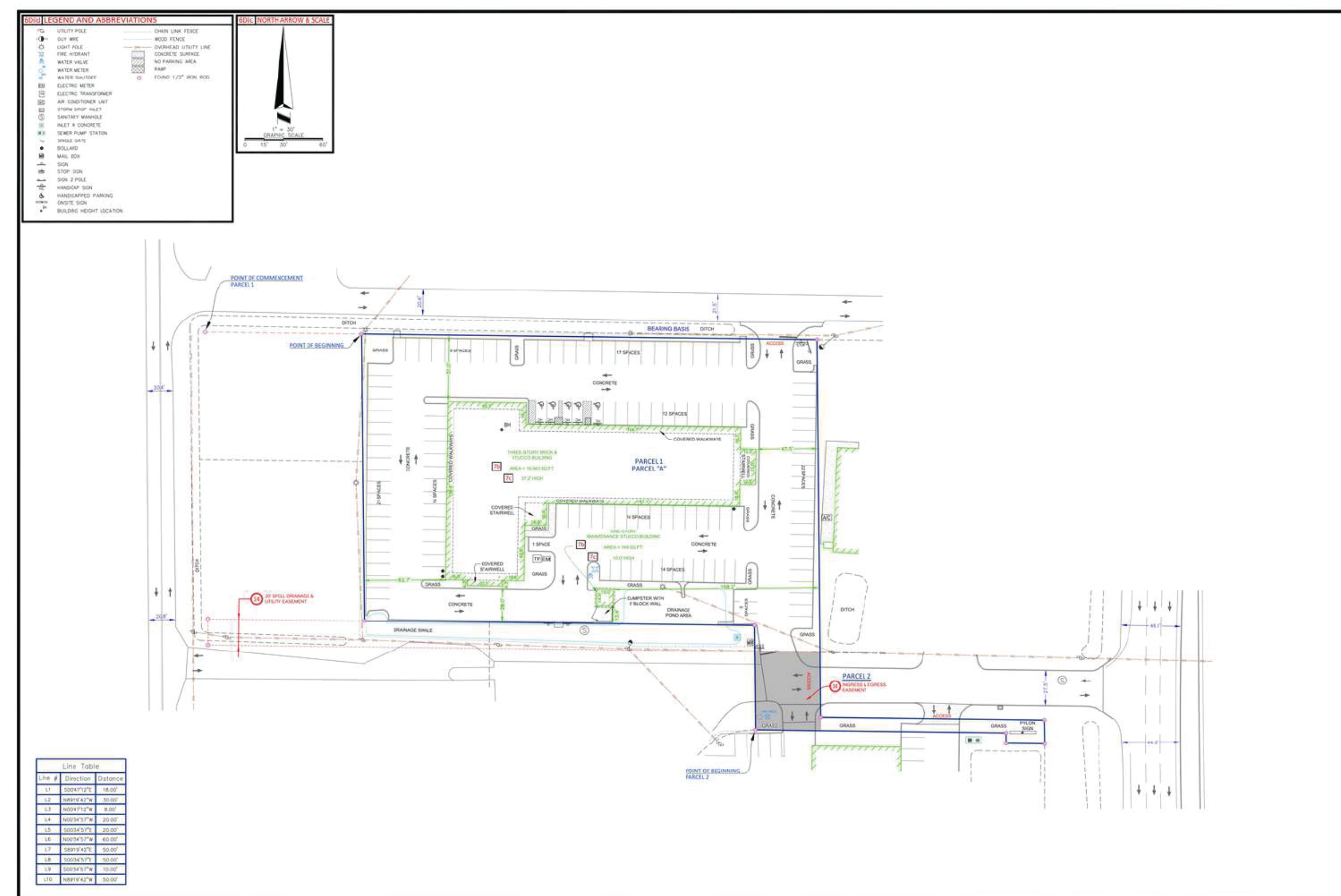
# SURVEY MAPPING

## WE DO EVERYTHING

- Linework
- Utility Placement
- Hatching & Labeling
- Title Sheet
- Zoning Information
- Plotting

## ASSIGN US SURVEY MAPPING TASKS

- ALTA/ NSPS Land Title Survey
- Boundary Survey
- Plot/Site Plan Survey
- Topographic Survey
- Dock Survey
- Scan Services
- GIS



# 3RD PARTY QC

Send a complete or interim set of documents from all trades, and Upptimeam's quality assurance team will perform a quality check using a detailed checklist. The QC team will send a marked-up PDF file along with a spreadsheet of comments for your design team to review and update.

## HOW WE WORK

- 1 Send us your CD set at any phase
- 2 Our team uses a detailed checklist to verify CD
- 3 Your construction project goes smoother with less RFI delays & E/O costs

## ASSIGN US QC TASKS

General & Title Sheets

Life Safety Sheets

Civil

Landscape

Demolition

Architectural

Structural

Electrical

Plumbing

Mechanical

Millwork and Details

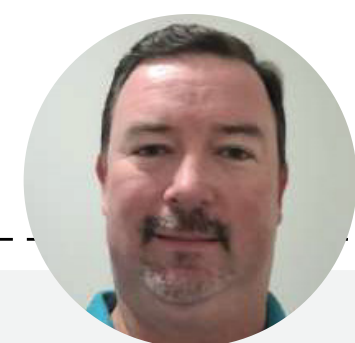
Fire Protection

Fire Alarm

Technology

AV / Security

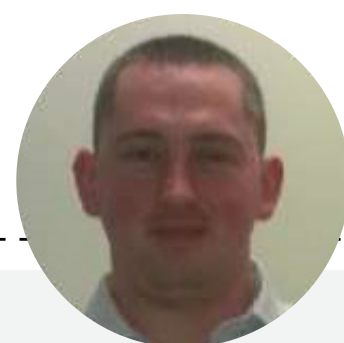
# TESTIMONIALS



Working with Uppteam during the past two years, the team has shown great effort in learning and the ability to complete our projects. Turn times on projects are impeccable throughout the process. The team works to satisfy and remedy any mistakes during the learning process. The team's dedication allows for a seamless operation of all of our CAD needs.

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*Al Kesler, PLS, PSM  
GISP President*



We've been working with Uppteam's designers for a few months now, and their deliverables are stellar. They take our registered point clouds and create Revit and CAD files that we can use right away. Their turnaround time is also awe-inspiring. We often get things back faster than ever expected. I highly recommend them!

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*Bryan Clapper, Owner & Funder,  
Clapper Structural Engineering, PLLC*



Uppteam has been a partner that provides design/drafting services. Teaming with Uppteam has allowed our firm to expand the quantity of work we are capable of producing, all while not sacrificing quality or the ability to meet scheduled deadlines. Our firm looks forward to continuing this relationship for years to come.

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*Kenneth L. Gonzalez, P. E., LEED AP  
McVeigh & Mangum Engineering, Inc.*



We have enjoyed our relationship with Uppteam and have found them to be a vital partner in our business. They have helped us streamline our operations and have added valuable resources that we have been able to pass on to our customers. We are looking forward to continued partnership with Uppteam.

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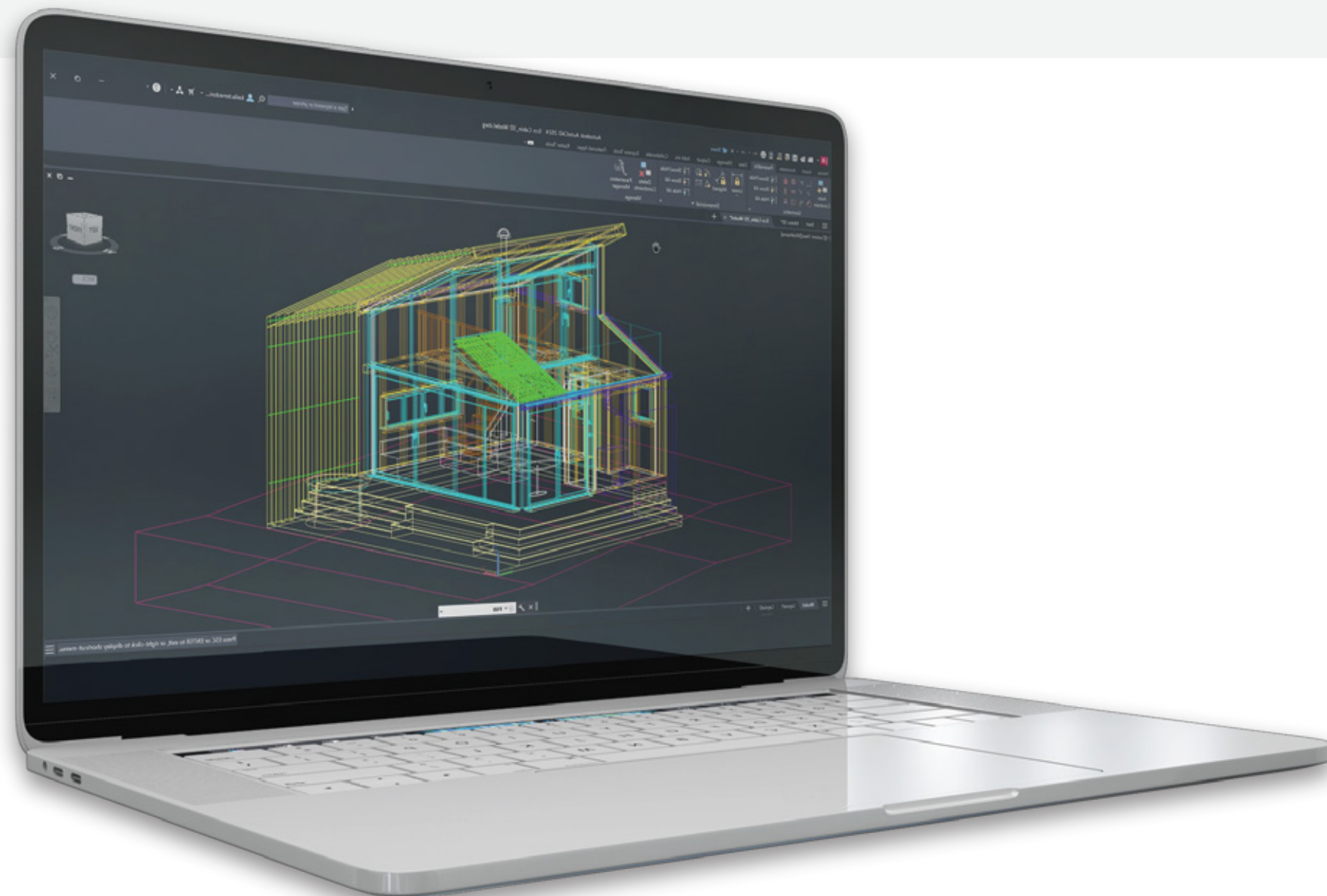
*Russ Cammack, Owner  
RB Marks Construction, Inc.*



# SOFTWARE EXPERTISE

Our professional architectural and engineering designers, CADD operators, construction estimators, administrative assistants, and quality control engineers are trained and skilled in utilizing the latest versions of industry software.

Need an expert in an application not listed? We are lifelong learners and adept at picking up new technology. Just let us know and we will be happy to look into it.



# READY TO GET STARTED?

**CONTACT US TODAY!**

**(+1)-407.619.6442**

**uppteam.com**

**sales@uppteam.com**

Architectural Design Support

MEP Design Support

Structural Design Support

Civil/ Survey Design Support

3rd Party QC

Virtual Admin Services

Home Design Modifications

BIM / Clash Detection Services