



**INTERNATIONAL CONSULTING
& DESIGN SERVICES**

BIM DESIGN SUPPORT



About Us.

Excellence in AEC Design Solutions

**Our Commitment to
Excellence**

**Affordable & Reliable
MEP Solutions**

**More Than Just Design
We're Your Extended Team**

15+

Client Served Across Global Markets

500+

Professionally designed layout plans

1k+

Hours spent in thorough detailing

99%

Success in Delivering Customer

THE BENEFIT OF ATA

Reduce deadline anxiety with 24-hour productivity.

Reduce expenses by hiring Ata at a reduced monthly rate with no overhead expenses to grow.

Utilize outstanding internal quality control and conformity to your standards to generate deliverables of superior quality.

With a committed production team, devote more time to business development and securing new projects.

Our Team Is the First to Deliver Value:

From hiring professionals with engineering degrees from recognized universities to making sure every designer is certified in AutoCAD and REVIT and educating our staff on US standards and laws, our technical expertise continuously surpasses client expectations. We are also aware of how crucial communication is when working together under pressure. By employing people with outstanding communication skills in English and offering continuous training from a committed in-house English tutor, we make an investment in the professional growth of our staff.

BIM DESIGN SUPPORT

BIM Coordination

Fabrication

Structural BIM

Clash Detection

Revit Family Creation

Survey Mapping

4D Scheduling

5D Quantities and Cost

3RD Party QC

Point Cloud Registration

MEP BIM

Construction Drawings

Scan to BIM

2D Drafting

Shop Drawings

Architectural BIM

ARCHITECTURAL BIM DESIGN

Our integrated design and engineering teams utilize their BIM expertise to deliver accurate, high-quality models on schedule. At ATA, we transform rough sketches into detailed 3D models and photorealistic images tailored to project requirements. Our architectural BIM services include creating building information models from sketches and CAD drawings, along with 3D documentation, BIM analysis, clash detection, and content development.



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

ATA offers comprehensive BIM structural and construction documentation services for low- to high-rise residential, institutional, industrial, and commercial projects. Our services cover drafting, detailing, and 3D modeling. With the expertise of our skilled engineering designers, we provide clients with a clear understanding of building geometry, geographic data, materials, properties, and all resources needed 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

ATA manages the complete coordination of MEP BIM models across HVAC, mechanical, electrical, plumbing, fire protection, structural, and architectural systems, ensuring accuracy and error-free delivery. With extensive experience in projects spanning residential, commercial, aviation, automotive, retail, industrial, healthcare, and hospitality sectors, ATA provides precise and high-quality MEP BIM services. Leveraging expertise in leading MEP design software, we deliver well-coordinated, clash-free drawings and models that streamline execution and offer maximum convenience to clients.



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

ATA provides cost-effective and technically reliable 2D drafting services for AEC businesses. Our team supports a wide range of professionals, including architects, structural and MEP consultants, mechanical designers, landscapers, interior designers, real estate developers, and fabricators. With strong expertise, our draftsmen produce precise and detailed CAD drawings that comply with U.S. building codes. By leveraging our services, your drawings can be seamlessly integrated with other parts or assemblies, helping to accelerate 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

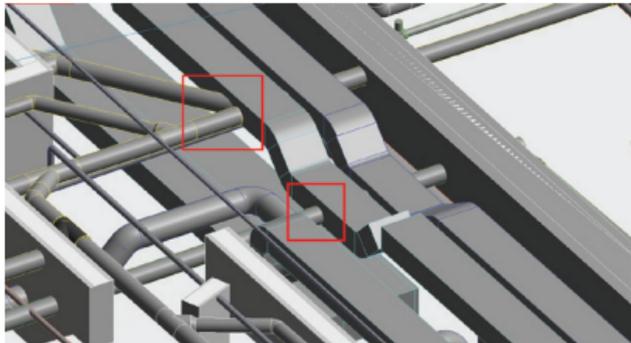
Standardization Of Drawings

Redline Markups

Scan To BIM 2D Drafting

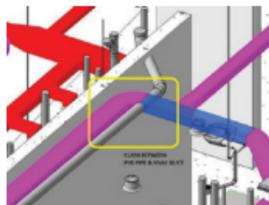
BIM COORDINATION & CLASH DETECTION

ATA delivers clash-free models with a fast turnaround time. Our clash detection and coordination services help clients identify and resolve conflicts between architectural, mechanical, electrical, plumbing, fire protection, structural, and interior systems. By detecting issues early, our skilled designers prevent costly errors during the construction process.



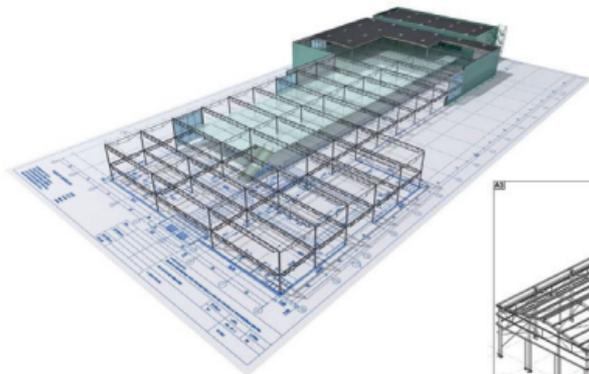
ASSIGN US BIM COORDINATION & CLASH DETECTION TASKS

- 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

ATA develops shop drawings in line with project standards to support contractors, suppliers, fabricators, and manufacturers throughout construction. We provide fabrication drawings for commercial, industrial, and residential projects. Our shop drawing services include penetration drawings, spool drawings, sleeve drawings, and insert layout drawings. Backed by an experienced team of qualified engineering designers, we create shop drawings tailored to client requirements. Our ongoing commitment is to deliver high-quality drawings and ensure complete customer satisfaction on every project.



ASSIGN US SHOP DRAWINGS/ FABRICATION TASKS

Coordinated MEP Shop Drawings

HVAC Duct Shop Drawings

Plumbing & Piping Shop Drawings

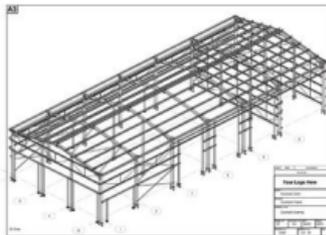
Electrical Shop Drawings

Fire Protection Shop Drawings

Millwork Shop Drawings

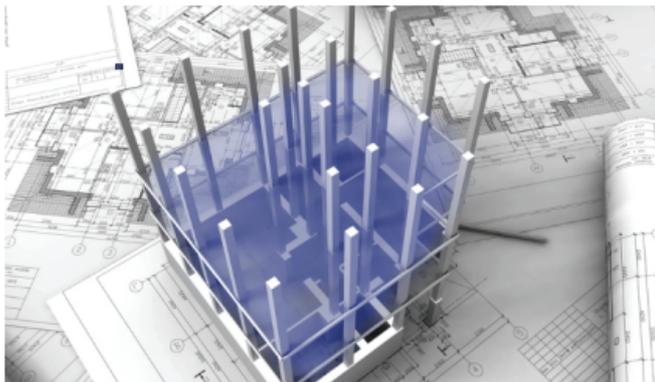
Aluminum/ Metal wall cladding Drawings

Assembly Drawings



SCAN TO BIM SERVICES

ATA delivers precise and parametric As-Built BIM Models and 2D CAD Models that capture pipes, walls, slabs, roof planes, facades, and landscapes of a project. Our expert engineering designers develop models ranging from LOD 100 to 500, covering architectural, structural, and MEP elements, with integrated clash detection. With a skilled team proficient in advanced technologies, we convert raw laser scans into accurate 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 Plan Layouts

Scanned/Handmade Sketch To 2D CAD Conversion

Standardization Of Drawings

Redline Markups

Scan To BIM 2D Drafting

REVIT FAMILY CREATION

Creating Revit families requires specialized expertise, as each element must be modeled with precise geometry. ATA's trained and experienced teams specialize in family creation projects, delivering high-quality results. Our experts develop accurate parametric and non-parametric models with complete object assemblies, ensuring seamless 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

Share a complete or interim set of documents from all trades, and ATA's quality assurance team will carry out a detailed review using a comprehensive checklist. The QC team will then provide a marked-up PDF along with a comment spreadsheet for your design team to review and update accordingly.

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

SOFTWARE EXPERTISE

Our team of professional architectural and engineering designers, CADD operators, construction estimators, administrative assistants, and quality control engineers are highly skilled in using the latest industry software. Need expertise in an application not listed? We are lifelong learners, quick to adapt to new technologies, and happy to explore any specific tools you require.



READY TO GET STARTED?

CONTACT US TODAY!



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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