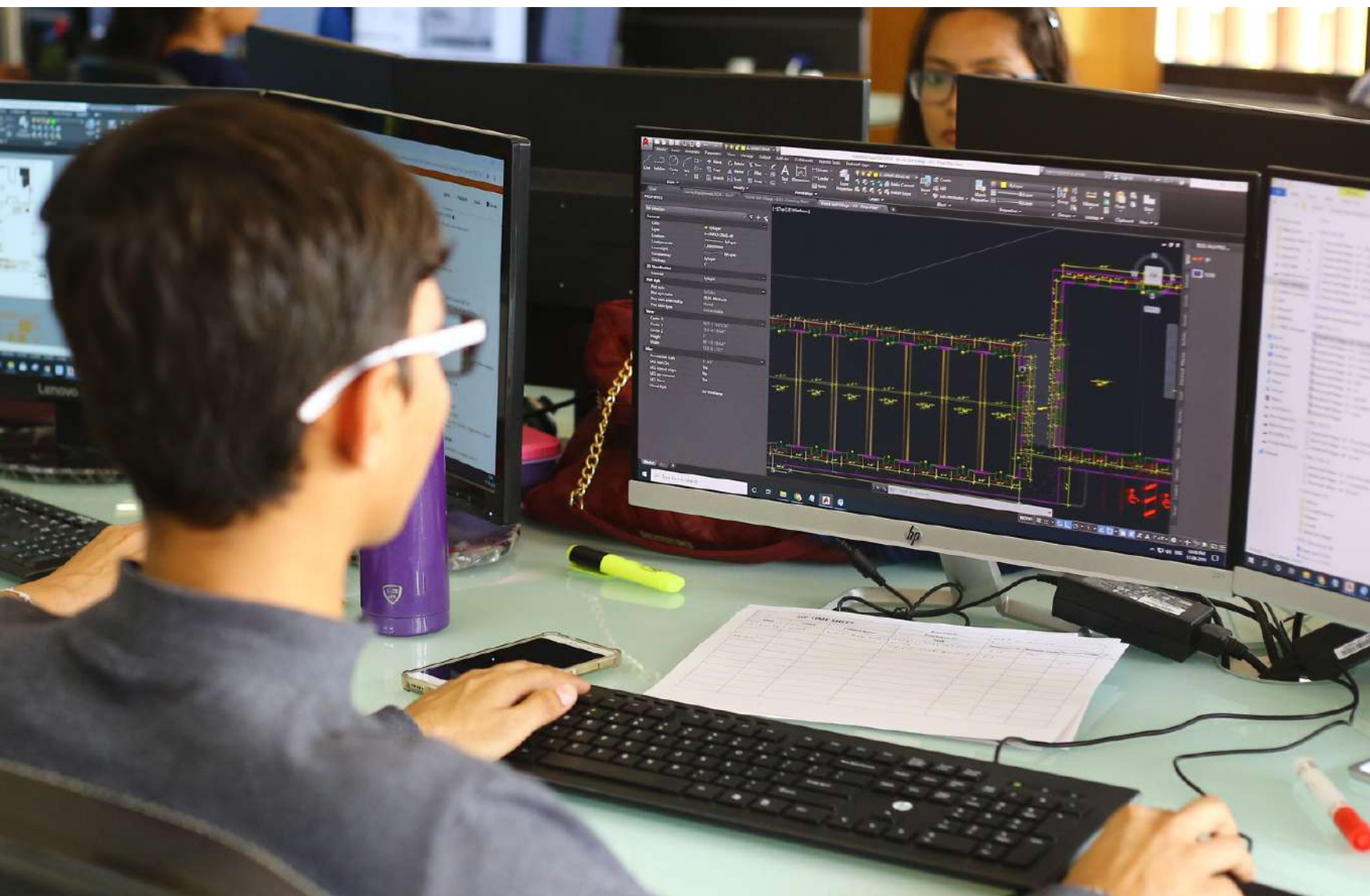


BIM DESIGN SUPPORT



World Class AEC Production Support



MEET ISP

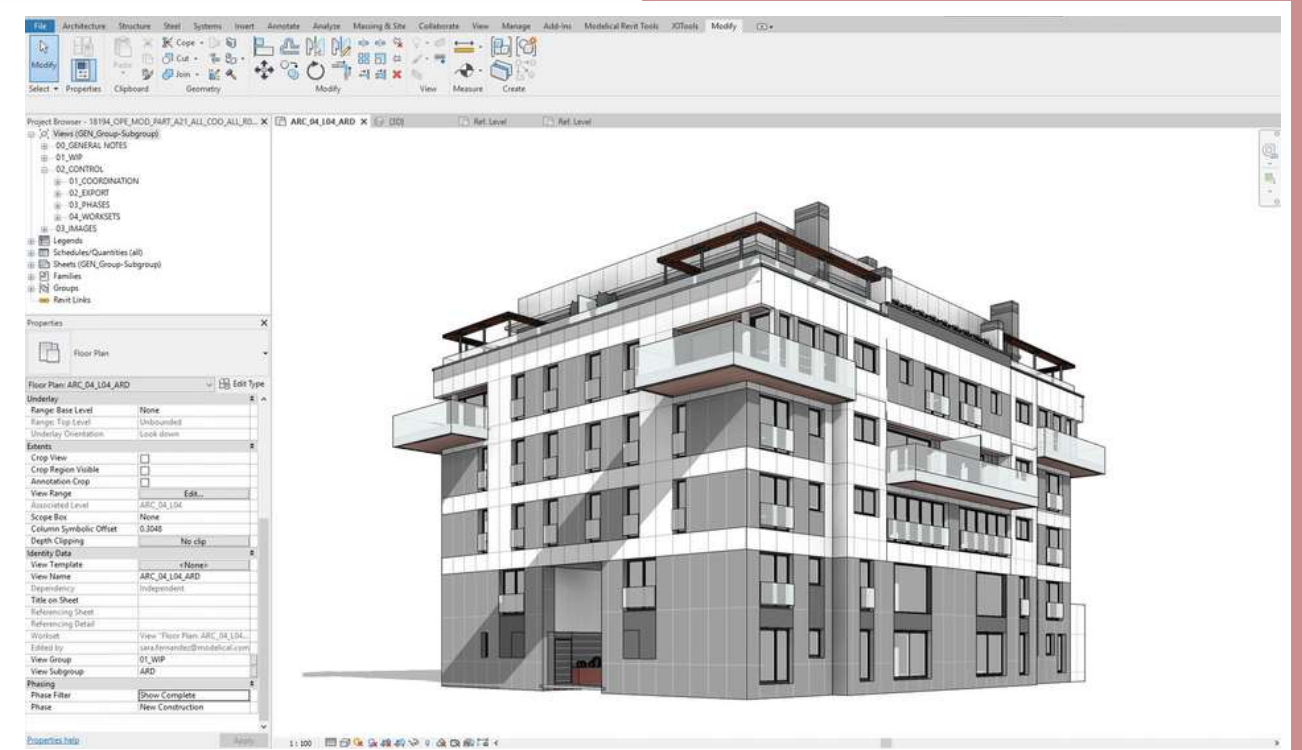
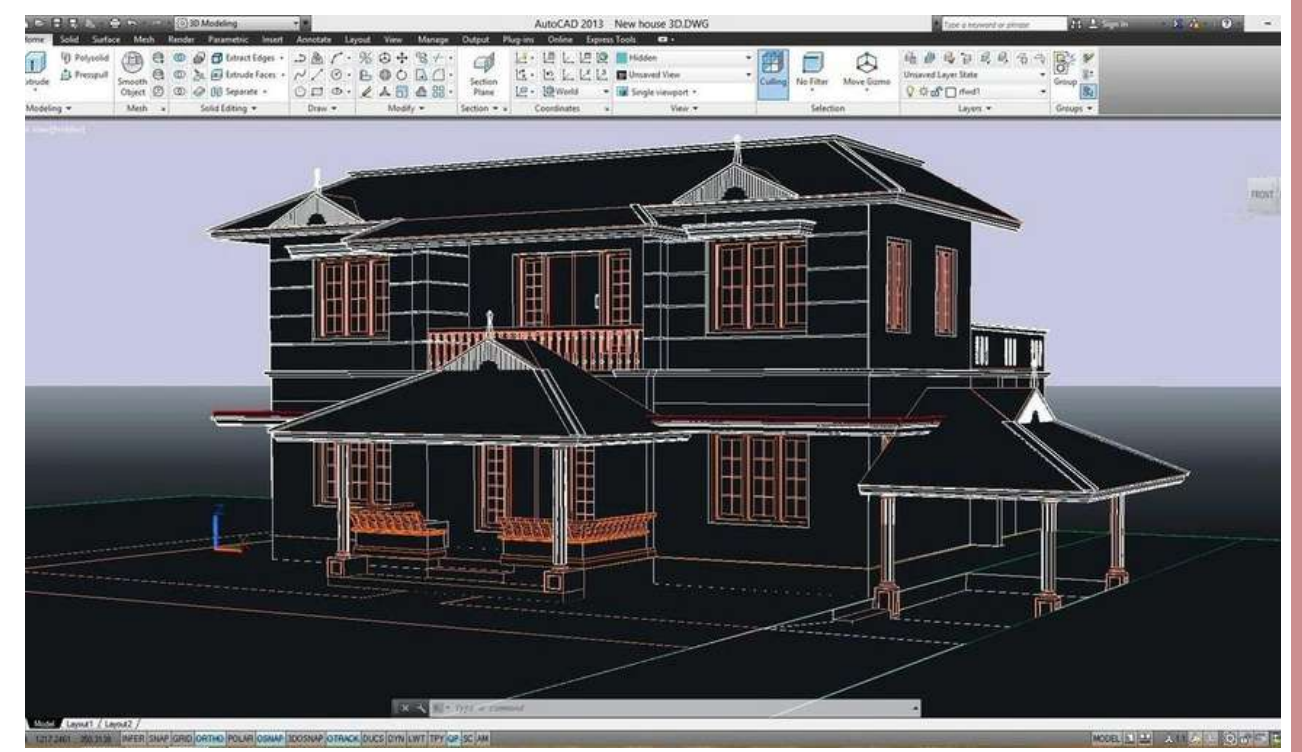
2000+ PROJECTS DELIVERED | 250+ CLIENTS | 300+ EMPLOYEES

Since ISP's founding in 2006, we have been dedicated to helping A/E/C 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 ongoing education for our architects and engineers, 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 ISP ADVANTAGE

- Reduce deadline stress with 24-hour working efficiency
- Grow through cost savings by employing an ISP team 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: From recruiting professionals with Engineering degrees at accredited universities to ensuring every designer is certified in **AutoCAD** and **REVIT** to providing training in U.S. standards and regulations, our technical expertise consistently exceeds client expectations. We also know the importance of communication when collaborating under tight deadlines. We hire team members with excellent English communication skills and retain an English tutor on staff for further improvement.



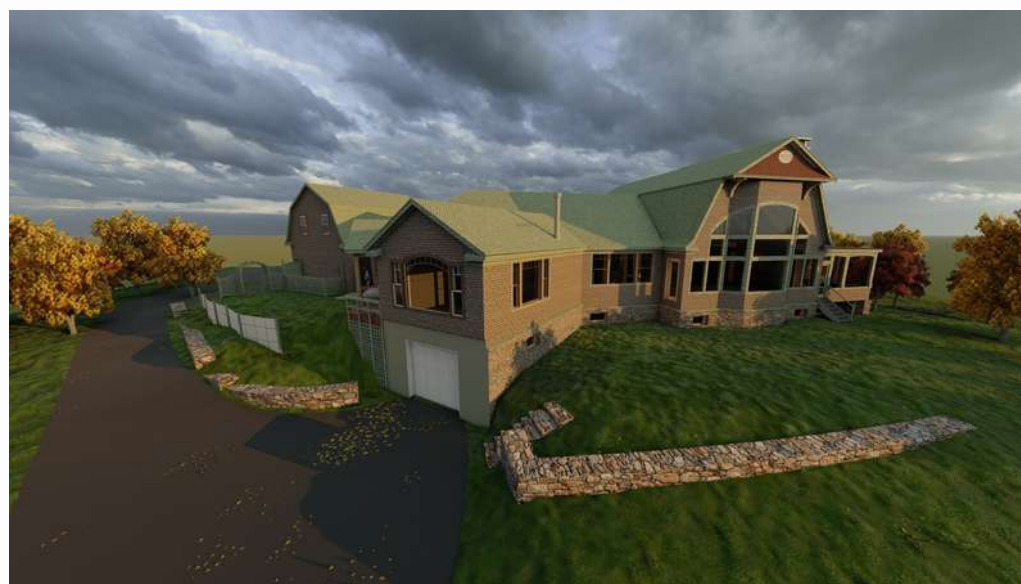
BIM DESIGN SUPPORT

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 ISP, we transform rough sketches into high-quality 3D models and detailed 3D photorealistic images as per the requirements. We work extensively on architectural BIM services including building information models from rough sketches, CAD drawings, and documentation in 3D models, BIM, analysis, clash detection and content creation.



Assign us Architectural BIM Design tasks:

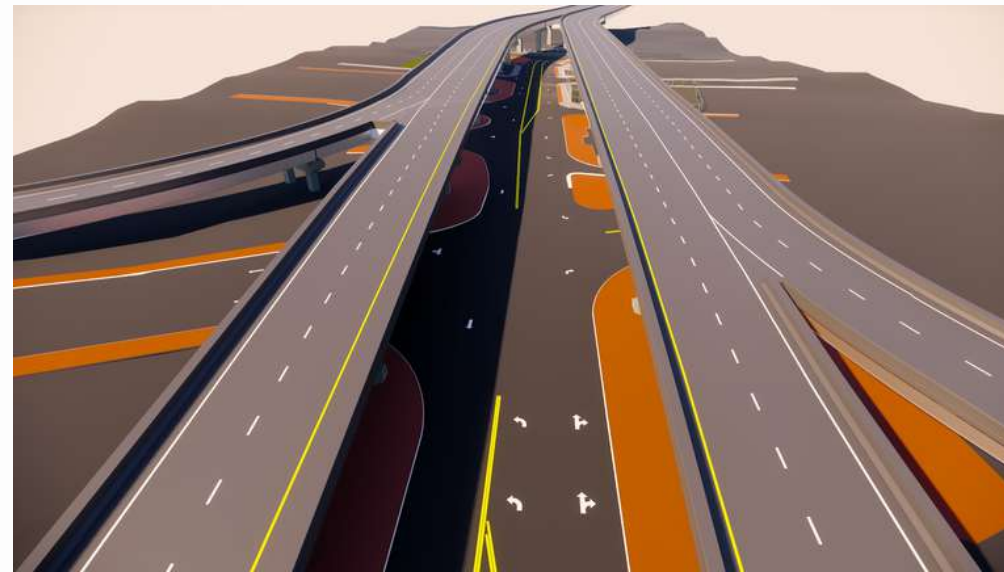
- Converting 2D drawings (PDF or CAD) to 3D BIM models
- Interior & exterior modeling
- Floor finish plans and details
- Furniture layout plans
- Facade details
- Landscape plans details
- Egress plans
- Building sections
- Elevations
- Staircase/ vertical circulations details
- Generating quantities from the 3D BIM architectural model
- Revit family creation
- Point cloud to architecture BIM 3D model
- Scanned/ handmade sketch to 2D CAD conversion

Assign us Structural BIM Design tasks:

- Design development support & coordination
- Converting 2D drawings to 3D models
- 3D/ 4D/ 5D modeling for structural engineers
- Drawing set creation/ CD sets
- Quantity take-off & cost estimate
- Creation of intelligent parametric libraries
- Marketing presentation model for bidding purpose
- Creation of site logistic models prior to construction
- Trust/ structural family creation

STRUCTURAL BIM DESIGN

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

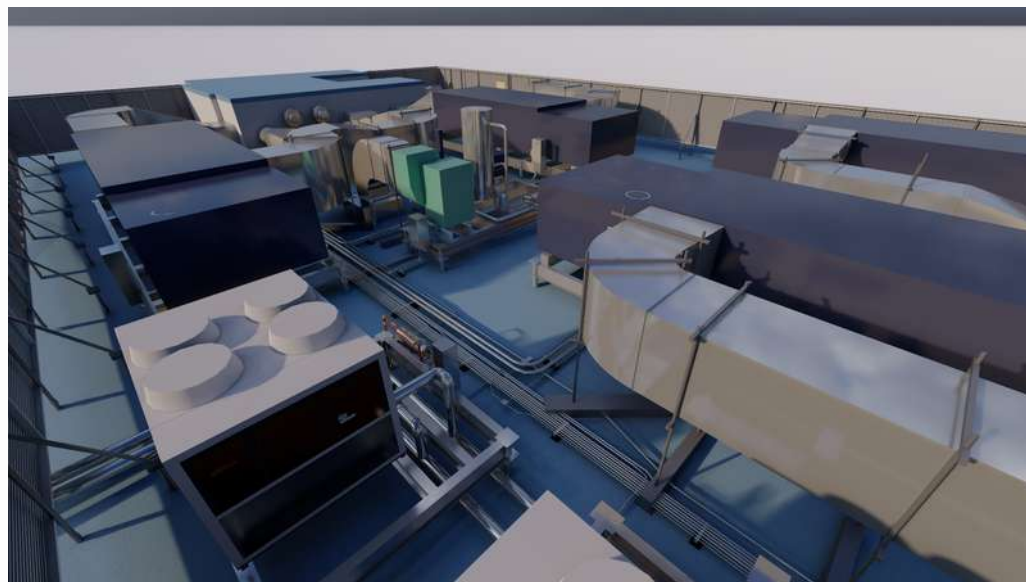


MEP BIM DESIGN

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

Assign us MEP BIM Design tasks:

- 3D MEP models
- Mechanical modelling
- Electrical modelling
- Plumbing modelling
- Fire protection modelling
- Oil and gas industry modelling
- Scan to BIM MEP modelling
- Site lighting modelling
- Internal and external Clash coordination
- MEP family creation



Assign us BIM 2D Drafting tasks:

- Bulk drawing conversion for all disciplines
- CAD construction drawing set
- Architectural 2D CAD drafting
- Structural 2D CAD drafting Services
- Floor plan layouts
- Scanned/ handmade sketch to 2D CAD conversion
- Standardization of drawings
- Redline markups
- Scan to BIM 2D drafting

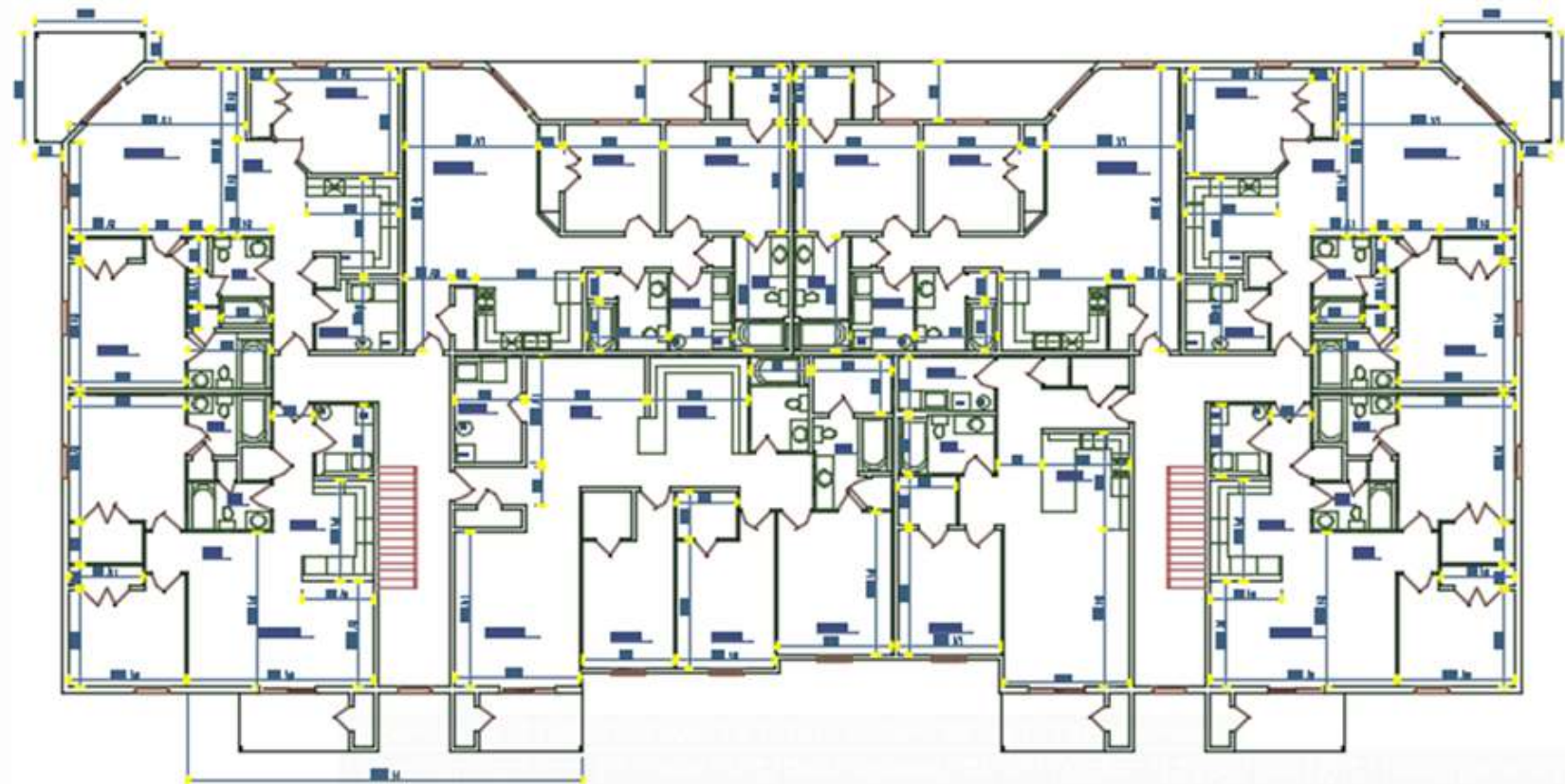
Assign us Construction Drawings tasks:

- Architectural Drawings
- MEP Drawings
- Assembly Drawings
- Millwork Drawings
- Interior/ Shop Drawings

BIM 2D DRAFTING

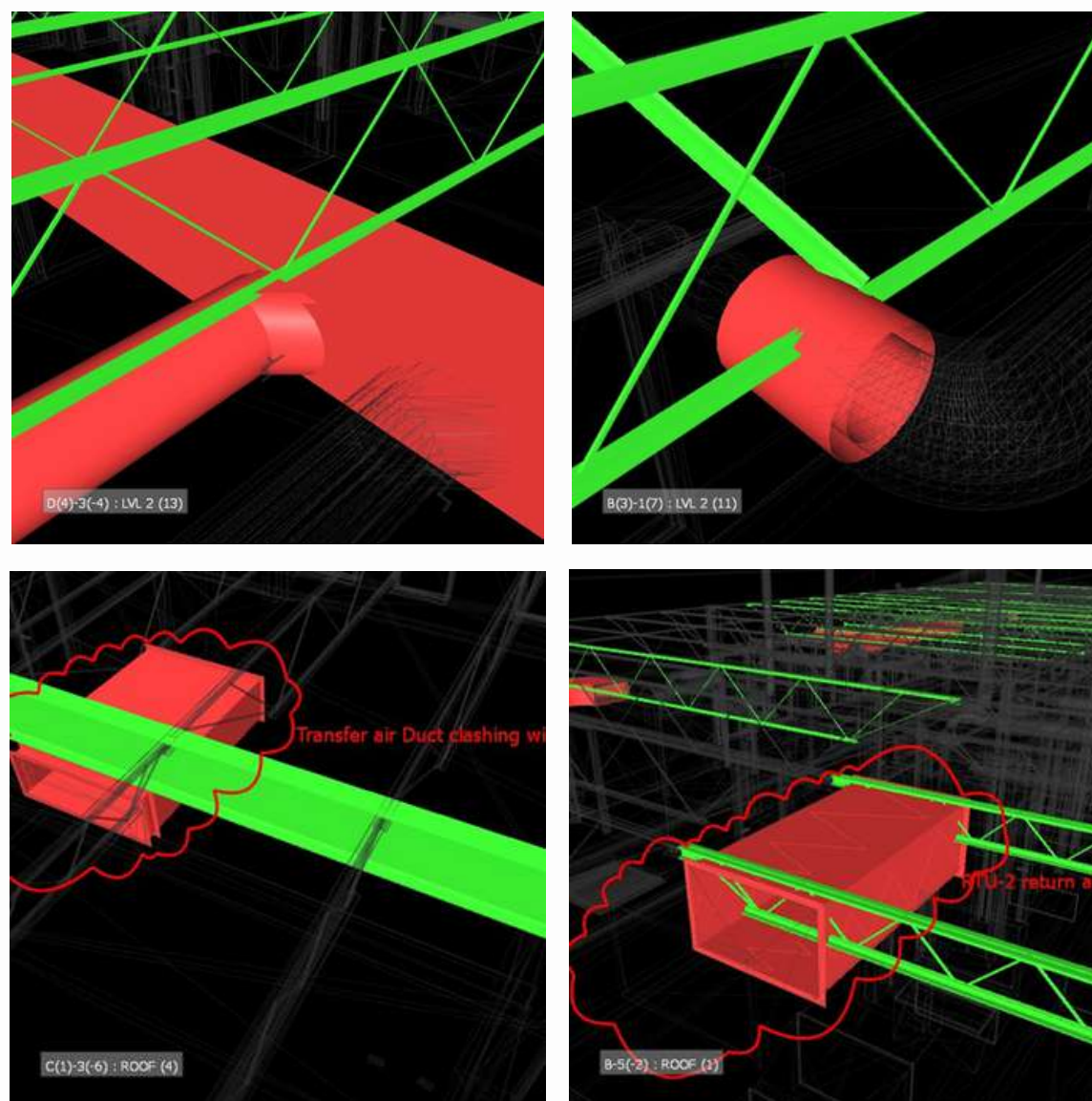
ISP delivers technically sound and low cost 2D drafting services to AEC businesses. Our teams have the expertise to assist various business owners such as Architects, Structural Consultants, MEP Consultants, Mechanical Designers, Landscapers, Interior Designers, Real Estate developers and Fabricators.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

CONSTRUCTION DRAWINGS PRODUCTION



BIM COORDINATION & CLASH DETECTION

ISP provides clash-free models with a quick turnaround time. Our clash detection and coordination services allow the clients to check and solve the clashes between various systems like 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 engineers detect issues before construction starts.

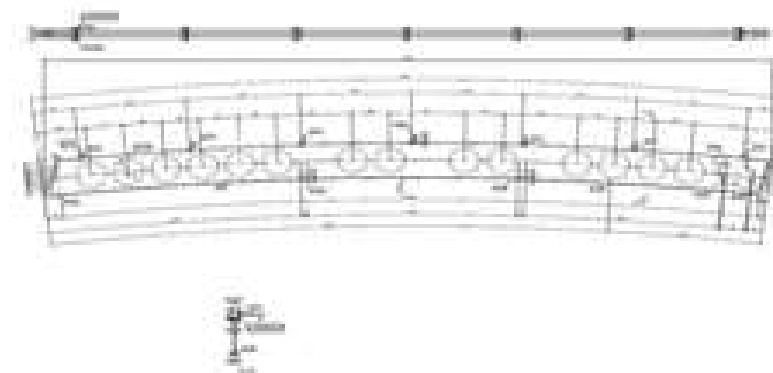
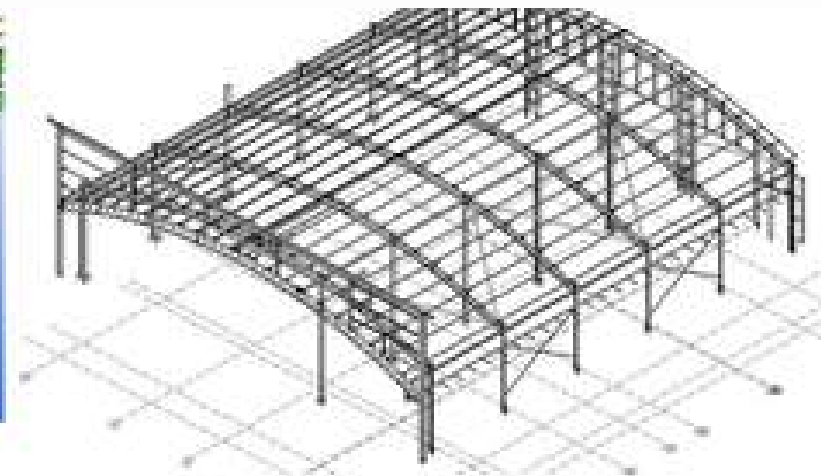
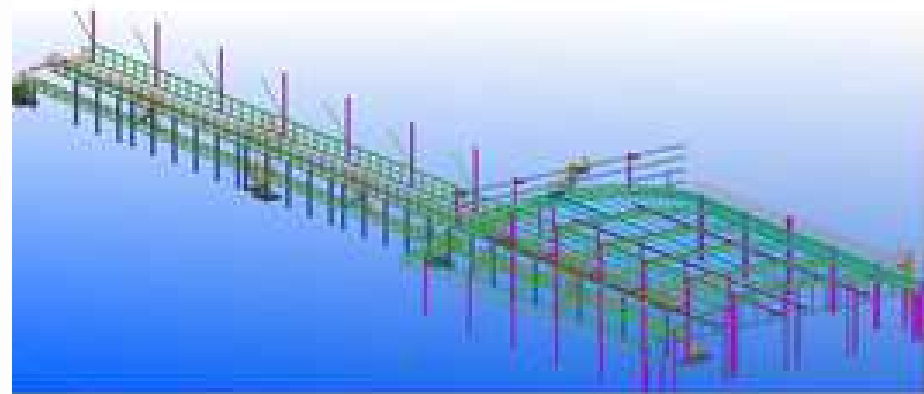
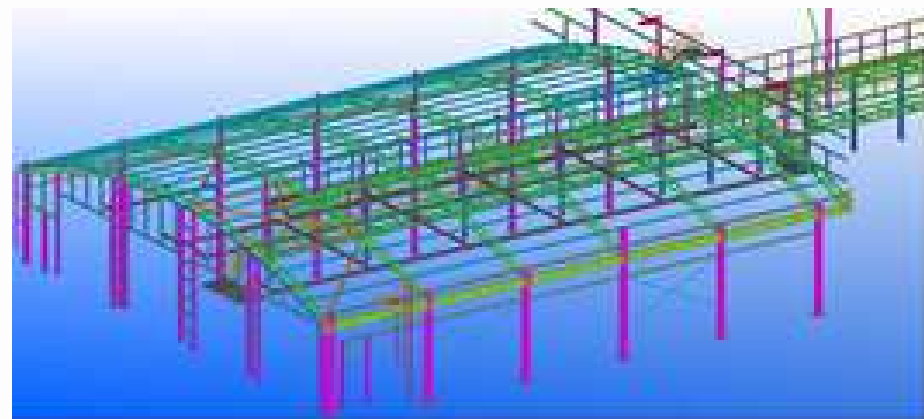


Assign us BIM Coordination & Clash Detection tasks:

- 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

ISP creates shop drawings in accordance with the project standards and helps the contractors, suppliers, fabricators and manufacturers during construction. ISP can produce a comprehensive range of 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 engineers are experienced in creating shop drawings as per the client's requirements. It is our constant endeavor to deliver high-quality drawings and ensure customer satisfaction for all projects that 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
- Aluminium/ Metal wall cladding Drawings
- Assembly Drawings

Assign us BIM 2D Drafting tasks:

- Bulk drawing conversion for all disciplines
- CAD construction drawing set
- Architectural 2D CAD drafting
- Structural 2D CAD drafting Services
- Floor plan layouts
- Scanned/ handmade sketch to 2D CAD conversion
- Standardization of drawings
- Redline markups
- Scan to BIM 2D drafting

SCAN TO BIM SERVICES

ISP delivers an accurate and parametric As-Built BIM Model and 2D CAD Model showing the pipes, walls, slabs, roof planes, facades, and landscapes of the project. Our expert engineers can provide models (LOD 100 to 500) that cover all architectural, structural, 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.



REVIT FAMILY CREATION

Special expertise is required when it comes to Revit family creation as each and every element needs to be modeled perfectly with the right geometry. ISP 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

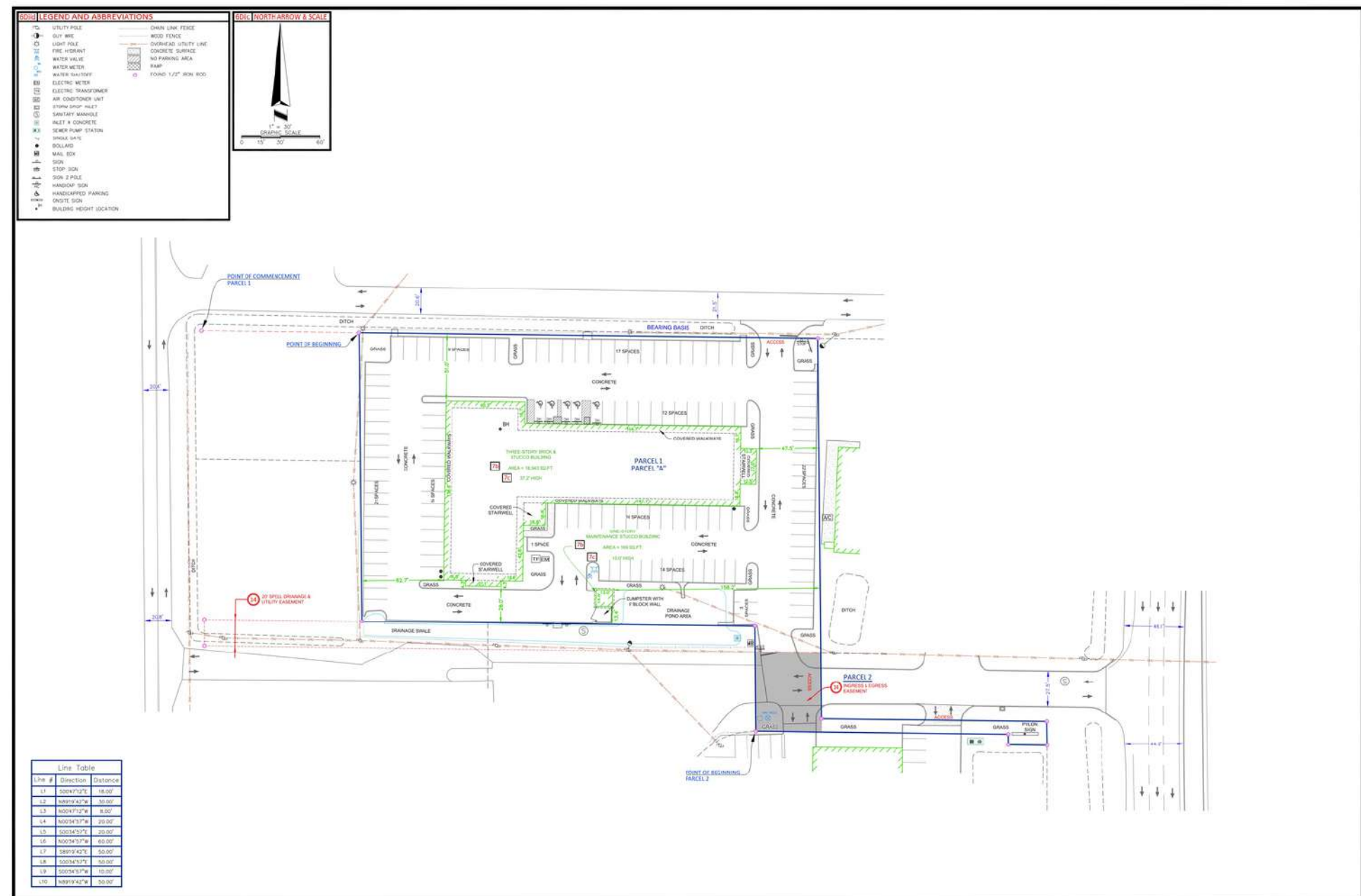
Assign us Survey Mapping tasks:

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

SURVEY MAPPING

We do everything:

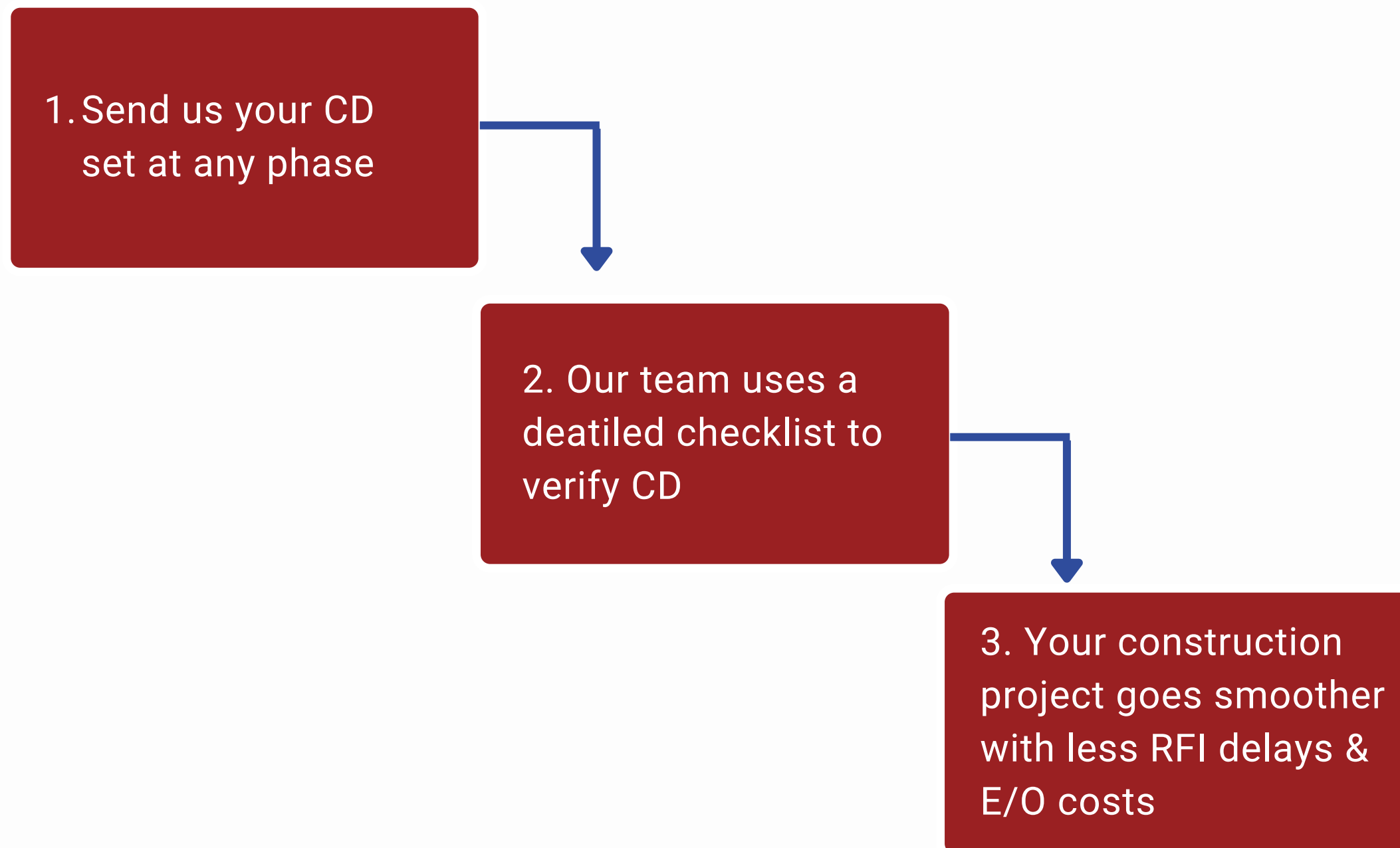
- Linework
- Utility Placement
- Hatching & Labeling
- Title Sheet
- Zoning Information
- Plotting



3rd PARTY QC

Send your ISP QC Team a complete or interim set of documents from all trades and we will perform a QC using a detailed checklist. The ISP 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



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 ISP during the past two years, the team shows 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 dedication that the team provides allows for a seamless operation of all of our cad needs.

- Al Kesler, PLS, PSM, GISP President



We've been using ISP 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 very impressive. We often get things back faster than ever expected. I highly recommend them!

- Bryan Clapper, Owner & Founder, Clapper Structural Engineering, PLLC



ISP has been a valued partner providing design/drafting services. Teaming with ISP 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.

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



We have enjoyed our relationship with ISP 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 a continued partnership with ISP.

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

SOFTWARE EXPERTISE



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AUTOCAD®



AUTODESK
REVIT



GRAPHISOFT
Archicad®



SketchUp



AUTODESK®
RECAP™ PRO



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Architectural Design Support

MEP Design Support

Structural Design Support

Civil/ Survey Design Support

3rd Party QC

Virtual Admin for Contractors

Home Design Modifications

BIM / Clash Detection Services

