

## FLATWORLD PROVIDED STRUCTURAL DRAFTING SERVICES FOR AN AWARD-WINNING DESIGN GIANT



### The Client

The client is an award-winning design firm based in the United States (Houston, Texas) and has helped clients build cost-efficient, unique, and attractive buildings for 20 years. Their focus currently includes cloud-based 3D models and building information modeling (BIM) so customers have mobile access to construction drawings as needed.

### Challenges Faced by the Client

The client needed structural drafting services for preparing architectural drawings, which were required to support the construction of a care facility involving 35 interior elevations. They initially supplied scanned blueprints and drawings with handwritten instructions and markups.

The project involved three significant challenges -

- + Illegible handwritten instructions
- + Communication issues
- + Multiple elevations meant extra care was required to ensure building safety

### FWS' Solution

Flatworld Solutions' engineering and drafting specialists developed the solution, which consisted of the following steps -

- + The team included one account manager, one quality analyst and two drafters
- + The team received PDFs of scanned drawings from the client and these were extracted to AutoCAD for drafting tasks
- + Drafting work was initially delayed due to illegible markups on client-provided drawings and blueprints
- + The team devoted extra time for clarification of markups
- + The quality analyst ensured that updated markups were accurately applied
- + Drafters worked 3 to 4 hours on each drawing to reflect handwritten change markups
- + Some communication issues impacted initial delivery. To overcome the resulting delays, additional team effort was needed to produce final deliverables on time
- + After incorporating markups, the AutoCAD files were converted to PDF format files and delivered to the client via SharePoint

### The Results

This project demonstrates how the Flatworld Solutions team can adapt to practical real-life project challenges and still get the job done precisely and on time. We have 16 years of experience that facilitates us to help architects and construction companies when they have a time-sensitive challenge that requires a high-quality and creative solution.

Our civil and structural engineering services are part of an ISO-certified enterprise that follows global engineering drafting standards and norms. Flatworld Solutions works with individuals and organizations throughout the world - encompassing engineering projects of all sizes.

### Partner with Flatworld for Reliable Structural Drafting Services

At Flatworld Solutions, we have over 16 years of experience in providing quick and reliable [mechanical engineering services](#) to global clients. Our rich multi-domain industry experience empowers us to understand even the complex client requirements and precisely cater to it. We also provide [3D modeling and drafting](#), [manufacturing support and process planning](#), [CAD conversion and migration](#), [sheet metal design](#) services, etc.

If you need help, [contact us](#) to discuss our cost-effective and high-quality solutions.