



Project Scope

Designed in 1870, the former commercial building was home and studio to sculptor Donald Judd. It has a cast iron facade that, unlike most cast iron buildings, does not imitate stone and includes mechanistic details. The Judd Foundation, in keeping with the idea of a permanent installation, renovated, rehabilitated and restored the building to maintain the legacy and ease public access.

Plan B Engineering designed a total enclosure of the structure to allow the entire cast iron facade to be removed and shipped off for repair, as well as a new roof removed and installed in a sequential process. Once the facade was removed, the enclosure system functioned as shear walls for the structure. It also provided a framework for rigging the facade pieces, weather enclosures for year-round work and pedestrian protection. In particular, the building successfully took on Hurricane Irene relying on the temporary system while half the facade was removed.

Additionally, Plan B Engineering designed new attachments for the cast iron to the existing structure, using the shop drawings from the cast iron contractor and surveys of the existing.



Project Expertise

- Supported Scaffold
- Demolition
- Historic Stabilization
- Overhead Protection
- Shoring and Bracing
- Suspended Scaffold
- Rigging
- Safety and Access
- Hoist and Runback Platforms
- Temporary Enclosures
- Netting
- Jacking

Innovative Structural Engineering Solutions