

Sears/Willis Tower Monopole Fabrication & Installation

Project:



- Fabricated four 10,000 lb monopoles designed to withstand extreme winds, temperatures and ice loads to be erected a top Chicago's tallest building.

Solution:

- Utilizing one of the country's most powerful construction helicopters, erected and installed custom 135 foot monopoles as seen on Discovery Channel TV.

Added Value:

- In addition, we conduct tower inspections and antennae tower modifications: on site welding of catwalks, load frame, ladders, platforms, custom bracket attachments and additional miscellaneous steel fabricated items on antennae mounts.

Chicago Theatre Sign Restoration Project

Project:



- Restoration of 80 year old landmark, Chicago Theatre.

Solution:

- Fabricated and installed the mounting and framework necessary for the installation of the renovated, historically acclaimed Chicago Theatre sign.
- We were able to use our experience in the fabrication and installation of theatre catwalks, riggings, light frames, light booms, walkways, railings and additional fabrications used for special effects.
- On site movie set fabricating and modifications.

UNO Middle School Erection

Project:



- UNO Middle School project: partial demolition of 125,000 sq. ft. industrial factory into a twenty first century model Middle School located at 4248 W. 47th St., Chicago, IL.

Solution:

- Fabricate, erect, and detail structural and miscellaneous steel for the 125,000 sq. ft design build 3 story middle school.
- Fabricated and installed structural decorative ceilings, stairways, corrugated roofing, and steel sheeting, joists,

loading dock, long span girders, handrails, walk bridge, and railings.

AON Building Maintenance Unit Installation

Project:



- The requirements were to erect and assemble a maintenance unit on top of an 82 story building set deep within the narrow streets of Chicago.

Solution:

- Planned and implemented the installation of a 60,000 pound building maintenance unit/window washing rig using one of the country's largest construction helicopter.
- Project involved 18 lifts, ranging between 3000 and 8500 pounds each, within a 2 hour time frame.
- Once air lifted to the rooftop, the base, mast, hoist motor and telescoping sections were assembled before the next section could be hoisted on the 82 story roof top.

WLS Load Frame Fabrication & Installation

Project:



- Broadcasting network needed a load frame and protective railing design for the antennae and generators on top of their 14 story building.

Solution:

- Fabricated and installed a 14 ton load frame.
- Utilizing a construction helicopter with a 4,500 pound capacity and a series of 4 picks, set frame and grating on the top of a 14 story building on State Street in Chicago.
- Onsite installation of load frame, guard railing, satellite pedestals and additional miscellaneous reinforcing on existing historic building.

The Field Museum of Natural History

Project:



- Access to the lower level mechanical room needed to be provided as well as several modifications necessary for exhibits and general maintenance were required.

Solution:

- Erected the steel frame for the butterfly exhibit.
- Miscellaneous railing, staircase and elevator fabrication

and installation.

- 13 multi level stair railing and outdoor decorative handrails for the 2005/6 artifact storage addition.
- New Bilco hatch doors for access to the lower level mechanical room were fabricated and installed.
- Load frame for the main roof air handling system was fabricated and installed.

CTA Brown Line Station Erection & Extension

Project:



- To erect steel to extend the passenger platforms.
- Erected new train station building, elevator tower, and roof decking.
- Shored existing active steel columns for foundation replacement and modify column base for several CTA stations.

Solution:

- Erected canopy steel, temporary stair treads, and cross bracing
- Installed and detailed elevator structural steel, platform steel joists, and steel stringers.
- Miscellaneous plate fabrication and installation.