



Spider Access Solutions for World Trade Center Towers – New York City, NY

Contractor: Benson Industries

Project Scope: The contractor was responsible for glass curtain wall and glazing installation, glass repairs, and louver work on One World Trade Center and Tower Four.

Challenges: At 1,776 ft, One World Trade Center is the tallest building in the Western Hemisphere. Over 3,000 large, delicate glass panels needed to be safely and efficiently lifted to these extreme heights – floor 100 and above. With the eyes of the world watching the progress of these iconic structures, high volumes of the safest, most reliable equipment were required for a duration of over four months.

Solutions: Spider supplied Portland-based glazing contractor Benson Industries with twelve complete swingstages to access the towers' facades. Standard 20-foot and 30-foot modular platforms - powered by the market-leading SC1000 traction hoists - as well as Modulo® platforms enabled access to hard-to-reach areas. A custom modular outrigger beam monorail system was specially engineered to support the platforms.

In addition, four Beta Max Leo XXL VFD material hoists were used to lift the massive glass panels into position. With hoists on each side of the building, installers carefully brought the large, delicate panels up at a rate of 40-80 feet per minute and precisely positioned for the install.

Spider's New York team provided on-site, hands-on training to ensure safe operation of the equipment.

Customer Testimonials:

"From the minute the Spider team set foot on site to assess the project and explain our access and material hoisting options, we were confident they would provide the best solution. And they have exceeded our expectations," stated Frank Colletta, General Foreman One World Trade Center.

"The reliability and flexibility of Spider's equipment are essential for us to complete the upper portion of the project," added Danny O'Brien, Field Superintendent with Benson Industries. "Their New York team provides great service, on-time deliveries, and helpful technical support to ensure that we are working safely at height, staying on schedule, and maximizing productivity. We couldn't ask for more."

"The equipment and service Spider provided was exceptional, enabling us to flawlessly complete our glass repairs and louver work," said Eddie Nelson, Foreman Tower Four also with Benson Industries.



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About Spider:

Founded in 1947, Spider, a division of SafeWorks, created the powered suspended access business by introducing the well-known Spider basket. Since then, our product and service offering has expanded greatly to serve the needs of an ever-growing marketplace. Spider is the largest manufacturer and distributor of access and safety solutions in North America, serving more customers from more locations with a wider variety of products and services than any other company. From baskets, traction hoist and platform rental, to safety and training, to specialty-engineered products - Spider has a strong team of professionals, along with a national network of sales, service and support capabilities to provide you with the most reliable access solutions available.



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