



Reaching New Heights at Highest Residential Tower in Western Hemisphere

432 Park Avenue Sets New Standards on Every Level

When you need to move equipment, materials and over 600 workers up and down the tallest residential tower being built in New York City, the design of the hoists is critical. “Lifts are the ‘heart’ of these jobsites,” said Greg Karas, from Safway Atlantic. “They pump the lifeblood into these projects. We can’t use cranes in situations like these; they’ll take up too much space.”

The need to carefully plan the optimum access solution is the reason why Safway Atlantic started to work with Lend Lease, the contractor hired to build 432 Park Avenue, two years before the project started. “Lend Lease reached out to us during the pre-construction phase,” explained Karas. “This allowed us to engineer a comprehensive access solution and design the hoists for the project. The challenge was to engineer the hoists using the least amount of wall space possible and at the same time address our concerns regarding the extreme height and workers’ safety.”

At 432 Park Avenue, Safway Atlantic designed and engineered a solution

using a common tower, six different hoists, and two windows for access to minimize obstruction. A common tower is typically made from a four-pole configuration of shoring and scaffolding components decked at each entry level to allow people to exit the hoists and access the building under construction. A temporary structure built alongside the permanent facility, the common tower has wind load, floor capacity requirements and a fast-tracked erection timeline much like the property under construction.

“Everything had to be engineered perfectly.”

For 432 Park Avenue the common tower was designed to allow the building to be closed in earlier than a more conventional configuration of the hoists. The tower solution, engineered by Safway Atlantic, abandoned the

conventional four-pole components generally used for the common tower in lieu of actual rack and pinion tower sections at the four corners. This offered a means for adapting mechanical access equipment to perform the construction of the platform in a safer and more efficient way.

Tallest Tower in NYC

For most people, it’s hard to imagine working at this kind of breath-taking height. At 1,396 feet, 432 Park Avenue will be the tallest *residential* tower in the Western Hemisphere and the highest building in New York City. One World Trade Center is 1,776 feet total, however, that measurement includes its antenna. Without the antenna, the height of the Trade Center is a “mere” 1,368 feet.

Located on the previous site of the Drake Hotel on Park Avenue and 56th Street, 432 Park Avenue was designed

by architect Rafael Viñoly. Born in Uruguay and raised in Argentina, Viñoly has had a distinguished career in New York City, and has designed projects like the Brooklyn Children's Museum and Jazz at Lincoln Center.

432 Park Avenue is being developed by Macklowe Properties and CIM Group. With over 100 condo units ranging in size from 2,600 to nearly 8,300 square feet, all apartments have 12½-foot finished ceilings, 10-by-10 foot windows and 9-foot doors. The 30,000 square feet of amenities for residents include a private restaurant and lounge, outdoor garden, fitness center and spa, 75-foot indoor pool, and a screening room that can also be used as a performance venue. Current available units range from \$16.95 million to \$82.5 million.

Any way you look at it, 432 Park Avenue is reaching new heights, and when you're providing access at a high profile

"Lifts are the 'heart' of these jobsites."

project like this the entire world is watching. "We need to be sure the access solution is safe, smooth and seamless," said Karas. "Every day we have 500-600 people going up and down in these six hoists. Everything had to be engineered perfectly."

In addition to the six personnel and material hoists in operation onsite, the comprehensive access solution Safway Atlantic provided included scaffolding, sidewalk shields and roof protection for the adjacent properties.

About Safway Atlantic

Safway Atlantic has the experience and expertise needed for any construction, maintenance or renovation project

located in an urban environment. Whether your access challenge is large, small, complex or straightforward, Safway Atlantic will partner with you to provide a comprehensive, world-class solution in the New York, New Jersey or Chicago metropolitan markets. Safway Atlantic is a **Safway Group** company. With over 90 locations across North America and a growing system of distributors worldwide, Safway Group companies deliver high-performance multiservice solutions – THE SMART WAY™. Offering access, scaffolding, insulation, fireproofing, surface preparation and coatings products and services, Safway Group companies include **CL Coatings; Industrial Coatings and Fireproofing (ICF); Redi Solutions; Safway Atlantic; Safway Services; Safway Canada; S&E Bridge & Scaffold; and Swing Staging**. For more information about **Safway Atlantic**, visit: www.safwayatlantic.com.

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