



**ALPHA
PLATFORMS**

WE LIFT YOU ABOVE ALL

WATERPROOFING AND INSULATION AT DOMINO SUGAR FACTORY'S 27,000 SQ FT GLASS DOME



www.alphaplatforms.com

THE CHALLENGE

Alpha Platforms was approached by a leading figure in DUMBO's redevelopment, facing a critical task at the Domino Sugar Factory penthouse. Waterproofing and insulating the facade finish trim of the unique 60-foot-tall glass dome penthouse spanning 27,000 square feet atop the old building posed a challenge. Traditional scaffolding methods were unsuitable due to the building's architecture.

The requirement demanded a lift capable of elevating a work crew to 180-200 feet with a reach of 50-60 feet inward. Extreme truck-mounted lifts were the only viable solution, making Alpha Platforms the ideal choice for this challenging project.

During the preparation for the job, an additional challenge appeared - due to ongoing construction, a perimeter construction fence was installed around the building. It was significantly restricting access on one side of the building and creating a narrow and very tight lift setup space.



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THE SOLUTION

Alpha Platforms deployed a 250' boom lift, able to set up with outriggers deployed fully only on one side of the lift and set up within truck width on another side. Maneuvering within 5-10 inches of the glass structure the professional operator facilitated completion within the tight constraints, achieving what other lifts deemed impossible.

Leveraging the lift's potential 130 feet of side-reach capability, the work crew was able to complete their tasks at hand with only two setups per façade! Despite the challenges, all waterproofing, insulation, and facade finish trim were accomplished in a time frame that was a fraction of the other alternatives available.



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Toward project completion, an unexpected challenge arose again: the malfunctioning construction hoist necessitated the installation of a 660-pound glass panel at a daunting 200-foot elevation. Drawing upon Alpha Platforms' expertise and cutting-edge equipment, we efficiently executed the task in just 3 hours using Alpha's power lift system and being able to place the glass outside of the basket, showcasing our A-250's adaptability and strength in handling complex scenarios that other lifts simply cannot accomplish.

THE OUTCOME

In just seven days, Alpha Platforms successfully installed the trim on three elevations of the new high-rise, culminating in the installation of a last-minute and unscheduled massive 600-pound glass panel. The 250-foot truck-mounted lift emerged as the perfect solution, meeting the demands of this construction project flawlessly. Its success ensures its future role in addressing the diverse height access needs of this new Brooklyn landmark and solidifying Alpha Platforms as a reliable partner for this and other complicated projects at height.



Our precise German-made lifts and an [all-inclusive operated rental service](#) are the height access method of choice for hard-to-access structures or at extreme heights, as they combine unmatched productivity with [safety](#) and comfort.



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