432 Park Avenue

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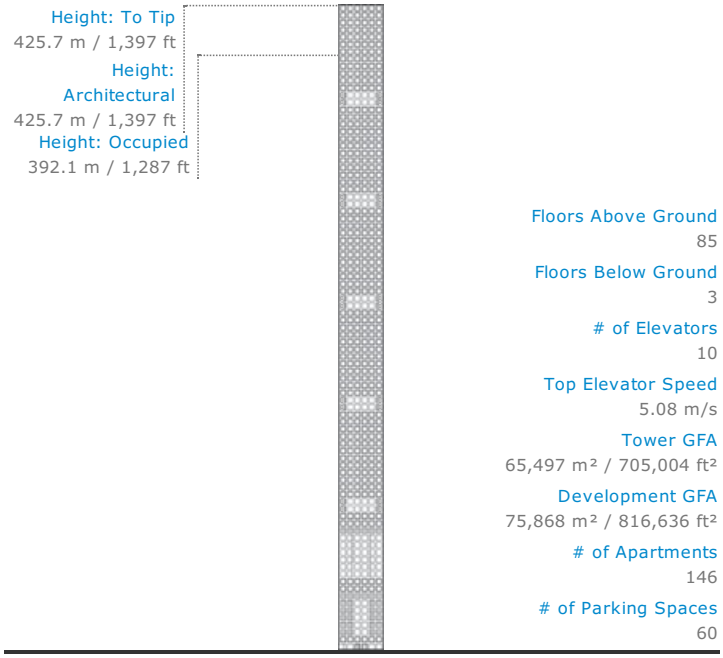

Facts

Official Name	432 Park Avenue
Structure Type	Building
Status	Completed
Country	United States
City	New York City
Street Address & Map	432 Park Avenue
Postal Code	10022
Building Function	residential
Structural Material	concrete
Proposed	2011
Construction Start	2011
Completion	2015
Official Website	432 Park Avenue

Rankings

Click arrows to view the next taller/shorter buildings

Global Ranking	#20 Tallest in the World
Regional Ranking	#3 Tallest in North America
National Ranking	#3 Tallest in United States
City Ranking	#2 Tallest in New York City

Companies Involved

Owner	56th and Park (NY) Owner, LLC
Developer	CIM Group; Macklowe Properties
Architect	
• Design	Rafael Viñoly Architects
• Architect of Record	SLCE Architects
Structural Engineer	
• Design	WSP Cantor Seinuk
• Peer Review	Schlaich Bergermann und Partner
MEP Engineer	
• Design	WSP Flack + Kurtz
Main Contractor	Lend Lease
Other Consultant	
• Building Monitoring	Vidaris, Inc.
• Damping	ITT Enidine
• Energy Concept	Vidaris, Inc.
• Façade	Enclos Corp.; Vidaris, Inc.
• Interiors	Deborah Berke Partners
• Landscape	Zion Breen & Richardson Associates
• LEED	Vidaris, Inc.
• Lighting	HDLC Architectural Lighting Design
• Marketing	Dialog Box Digital
• Roofing	Vidaris, Inc.
• Wind	RWDI
Material Supplier	
• Concrete	Ferrara Brothers
• Elevator	Hilti AG; Schindler

- Façade Maintenance HALFEN Equipment

About 432 Park Avenue

The pencil-thin 432 Park Avenue represents a new generation of supertall, superslim skyscrapers. Located in the ever-opulent Midtown neighborhood, the tower is placed in the heart of Manhattan overlooking Central Park. The narrow design of the building is intentional; as Manhattan increases in density, it is becoming ever more important to maximize building heights relative to site area.

Simplicity is the defining trait of 432 Park Avenue. With a series of large glass windows set in a regular grid of exposed concrete members, the building offers few aesthetic frills, but rather rises out of the ground as a singular, white monolith. A flat roof neatly caps the rectangular structure. The straight, clean lines of the building's façade simultaneously manage to evoke a modern aesthetic, while also reflecting Manhattan's orderly street grid. Each floor incorporates 24 9.2-square-meter windows that add weight to the structure, creating a sense of visually stability despite its slender frame. The oversized windows will also benefit residents with ample amounts of light and uncontested views.

The building's outward simplicity belies a complex structural scheme. A regular grid of exposed concrete creates an open basket within which seven "independent buildings" stack up, separated by spaces where building cores are exposed to the outdoor elements. These breaks allow for the deflection of wind pressures and help the building, with its 1:15 slenderness ratio, achieve structural stability.

Taken together, the orderly, almost methodical design of 432 Park Avenue manages to fully harness its small footprint without appearing to dominate its surroundings. It is clear that this type of economical design will have a lasting impact on the future of tall buildings, as it becomes more important to consider the long-term impact of buildings at such extreme height.

432 Park Avenue

CTBUH Initiatives

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22 Aug 2018 – CTBUH Research

"Living Tall" Asks: "What Will Make Tall Buildings More Livable?"
16 Nov 2017 – Event Report

Top 12 Happenings of 2016, Month-by-Month
19 Dec 2016 – CTBUH News

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Global News

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Videos

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26 Oct 2015 – Harry Macklowe, Macklowe Properties

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Research Papers

World's Tallest Buildings with Dampers
Jul 2018 – CTBUH Journal, 2018 Issue III

Using Height-Relative Variables To Design Tall Buildings
Jul 2018 – CTBUH Journal 2018 Issue III

Dynamic Interrelationship between the Evolution of the Structural Systems and Façade Design in Tall Buildings
Mar 2018 – International Journal of High-Rise Buildings Volume 7 Number 1

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CTBUH Awards

Best Tall Building Americas 2016 Award of Excellence
CTBUH Awards 2016

Other Building Facts

The building will have a height to width ration of 15:1.

To submit more information or donate images for this project, please use our submission portal.