



Picture courtesy of Outokumpu

Goldman Sachs New World Headquarters

New York, United States of America

The 43-story building consists of oversized units with the podium module measuring 10' wide by 18' high, and the office tower module 10' wide by 16' high (maximum weight of a curtain wall unit was 4,700 lbs.). The curving glass wall curtain wall was built with 'Bomb Blast' Technology; with the structural parts requiring a significant increase in the dimensions of the studs using medium strength aluminium alloy live loading a custom monorail system to install the units. The curtain wall units were transferred from the delivery trucks to a vertical trolley car system which then feeds the monorail. The monorail itself is suspended from outriggers at ten floor intervals, which like the vertical trolley car system climbs the building with unit installation.

Environment:	urban
Use:	curtain wall
Material:	316L with a Deco Linen M25 finish
Fabricator:	Permasteelisa
Architects:	Pei Cobb Freed & Partners
Photographs:	Outokumpu
More information:	outokumpu.com

A monorail was used to install units live-loaded, with the exterior clad in grade 316 linen finished stainless steel and glass. This tower's stainless steel and glass skin, coupled with three major setbacks as the building rises, animate its form while reinforcing its relationship to its surroundings.



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