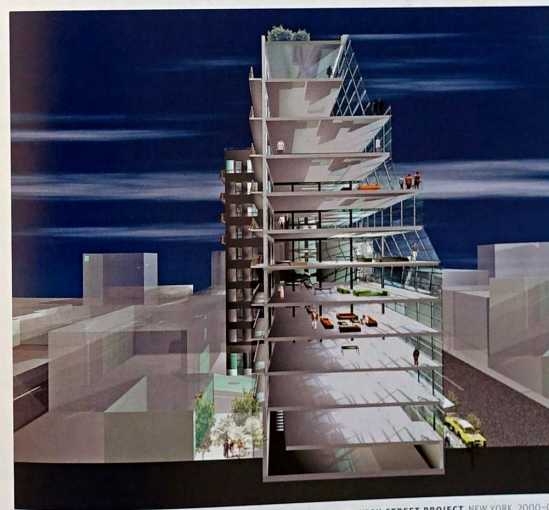
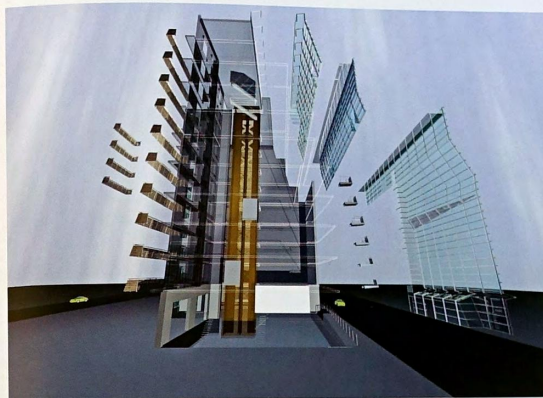




WINKA DUBBELDAM/ARCHI-TECTONICS New York
Winka Dubbeldam, b. 1960, Strijen, The Netherlands

Winka Dubbeldam's Greenwich Street Project (2000–04), located at the edge of New York's Soho district, is a renovation of a six-story brick warehouse with an addition of a four-story penthouse that extends next door, where it becomes part of a new eleven-story residential loft building. The hallmark of the project is the new building's dramatic crystalline façade of insulated glass panels, which form a horizontal zoned skin that subverts the traditional flat surface of the modernist glass curtain wall. A vertical crease in the façade creates a transitional zone between the steel-and-glass and brick structures. The crease is studded with cantilevered balconies, allowing the building private. Three-dimensional modeling software facilitated the complex design of the undulating façade. The blue-green glass panels—derived directly from a three-dimensional computer model.

After completing her undergraduate studies at the Academy of Architecture in Rotterdam, The Netherlands, Dubbeldam relocated to New York City in 1991 to pursue a master's degree in advanced architectural design at Columbia University. As the principal of her New York-based firm Archi-Tectonics (founded in 1994), Dubbeldam is committed to integrating theoretical and functional aspects of architecture in her practice. Archi-Tectonics specializes in creating projects through a team-based laboratory approach that converts high-tech research into innovative built work using cutting-edge software, hybrid materials, and "smart" building systems. The firm's Maashaven project in Rotterdam (unbuilt, 1999–2002), aspires to revitalize the city's harbor site through the ambitious conversion of a grain-silo into office and living spaces and the construction of three apartment towers with folded-glass skins that are cantilevered from the pier's edge.



GREENWICH STREET PROJECT, NEW YORK, 2000–04

opposite: EXTERIOR: top: EXPLODED SECTIONAL DIAGRAM SHOWING BUILDING ELEMENTS; bottom: TRANSVERSE SECTION
 right column: CUTAWAY DIAGRAMS SHOWING RELATIONSHIP OF INTERIOR TO SKIN

