

# Seven World Trade Center



## Identification

<b>EBN</b>	114932
<b>Name</b>	Seven World Trade Center
<b>Alternative Name</b>	7 World Trade Center, Tishman Center
<b>Construction Type</b>	skyscraper
<b>Complex Type</b>	office complex
<b>Complex Name</b>	World Trade Center
<b>Current Status</b>	demolished [destroyed]

## Location

<b>Continent Name</b>	North America	<b>Block Number</b>	<a href="#">Contact us</a>
<b>Country Name</b>	U.S.A.	<b>Postcode</b>	10048
<b>State Name</b>	New York	<b>Address (as text)</b>	Washington Street to West Broadway, Vesey to Barclay Streets

<b>Metro Area Name</b>	New York-Newark-Bridgeport Metro Area	<b>Main Address</b>	7 World Trade Center
<b>City Name</b>	New York City	<b>Virtual Address</b>	60-82 Barclay Street 209-221 Washington Street 72-86 Vesey Street
<b>District (1st level)</b>	Manhattan	<b>Latitude</b>	<a href="#">Contact us</a>
<b>District (2nd level)</b>	Financial District	<b>Longitude</b>	<a href="#">Contact us</a>

## Description

<b>Structural Material</b>	steel	<b>Facade Color</b>	black light red red
<b>Facade System</b>	curtain wall	<b>Architectural style</b>	modernism
<b>Facade Material</b>	granite	<b>Main Usage</b>	commercial office

## Spatial dimensions

<b>Height (structural)</b>	570.01 ft	<b>Floors (overground)</b>	47
<b>Height (tip)</b>	570.01 ft	<b>Usable Floor Area (UFA)</b>	<a href="#">Contact us</a>
<b>Height (roof)</b>	570.01 ft		

## Years and costs

<b>Year (construction start)</b>	1985	<b>Year (construction end)</b>	1987
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## Facts

- Although not small by any standards -- built on Port Authority land, it was exempt from zoning regulations and could occupy the whole trapezoidal plot with no setbacks -- the building's floor space and height of 160 m were obviously dwarfed by its older twin brothers
- In front of the building, on the WTC compound plaza level, stood Alexander Calder's 8-meter steel sculpture Three Red Wings as well as pedestrian bridges over Vesey Street from the WTC compound, with a round plexiglass tube covering the eastern one.

## Need additional information? Contact us now!

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Phone	+1 250 483 7089	New York	03:00 am - 01:00 pm
Email	<a href="mailto:sales@emporis.com">sales@emporis.com</a>	Tokyo	04:00 pm - 02:00 am

- As the existing foundations through the substation building were mostly not aligned with the perimeter colonnade of the new tower, they had to be fitted with concrete caps to allow transfer of loads to the foundations.
- The building collapsed during the terrorist attack on the WTC in September 2001, having been structurally weakened by the destruction of the nearby WTC towers.
- Having existed for less than 14 years, the building had one of the shortest lifespans of a skyscraper in history.
- For the core, the loads were transferred through a heavily braced foundation slab. 50 new foundation "caissons" were built, most of which had to be squeezed through the substation building.
- The building's appearance and its alternating facing -- horizontal glass striping on the Barclay and Vesey Street sides and red granite, holed by smaller windows, on the other two -- set it apart also visually from the Twin Towers of the late 1960s.
- Although a part of the WTC in name, the building was on a separate ground lease and tax lot from the rest of the Center. 7 WTC was built atop the power substation building that supplied much of Downtown Manhattan with electricity.
- The new Seven World Trade Center is already under construction.
- A federal report concluded that the building collapsed because the debris from the other WTC towers ignited the diesel fuel lines running in the base of the building, triggering the collapse.

### Involved companies

*Architect*.....

**Emery Roth & Sons**

3 West 57th Street  
 10019 New York City  
 U.S.A.

Phone +1 212 751 4188  
 Fax +1 212 751 6388

*Geotechnical Engineering*.....

**Mueser Rutledge Consulting Engineers**

14 Penn Plaza, 225 West 34th Street  
 10122 New York City  
 U.S.A.

Phone +1 917 339 9300  
 Fax +1 917 339 9400  
 Email info@mrce.com

### Additional company data available for this building

<b>Concrete Supplier</b>	<a href="#">Contact us</a>	<b>Lightning Protection</b>	<a href="#">Contact us</a>
<b>Demolition Company</b>	<a href="#">Contact us</a>	<b>Owner</b>	<a href="#">Contact us</a>
<b>Developer</b>	<a href="#">Contact us</a>	<b>Structural Engineering</b>	<a href="#">Contact us</a>

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**Facade Maintenance  
System Installation**

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**Wind Surveyor**

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**General Contractor**

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