



## One WTC Begins Cocoon Installation



One WTC steel rises an equivalent of 26 floors above grade.

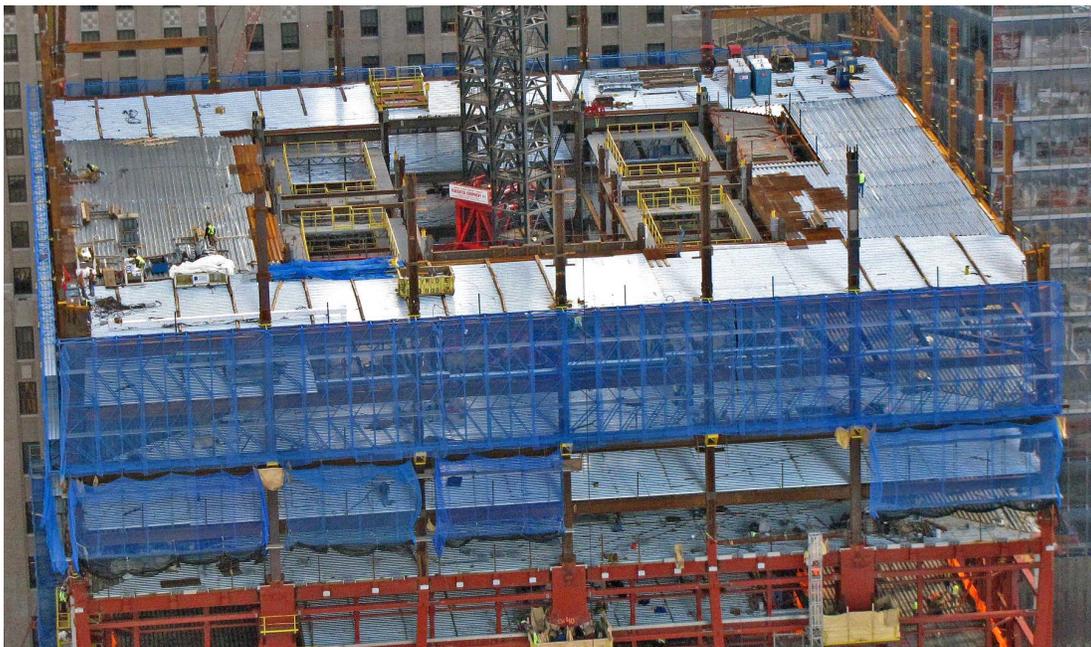


With steel now starting to rise above the 26<sup>th</sup> floor equivalent (approximately 275 feet above street level), The Port Authority and its contractors have to pay extra close attention to the safety aspect of building the massive One WTC skyscraper. The “cocoon” system is now being introduced into the construction process to ensure that safety standards remain high.

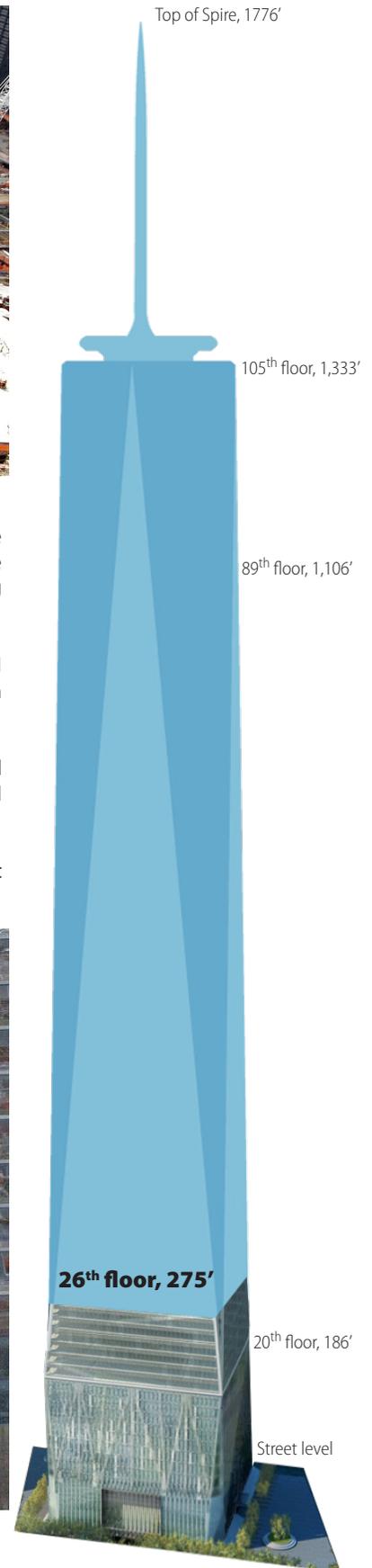
The innovative perimeter protection system, also known as the cocoon, wraps all four sides of One WTC. It will extend to two floors above the working deck, and protect up to 16 floors at once. It will be jumped regularly, in tandem with active platforms and cranes, to keep pace with upward construction all the way to the roof.

The cocoon is a major step in WTC site safety practices. It protects both the workers erecting the building and the workers and public below. As the netting wraps the most active construction floors of the building, it will contain construction materials.

The construction progress at One WTC has been coming along at a rapid pace, with concrete wall placement ongoing, and MEP (mechanical, electrical and plumbing) work below grade progressing smoothly. ◆



The cocoon system in the process of being erected.



# Liberty Street Bridge Access Relocated as VSC Sees Next Phase



The relocated Liberty Street Bridge access falls in front of the 90 West building.



Pedestrians travel through the new pedestrian shed.

The hard work and planning paid off at midnight on April 22nd as The Port Authority, working with New York State Department of Transportation, relocated the eastern access to the Liberty Street Bridge, which connects the World Financial Center and Battery Park City with the WTC site and the numerous transportation options in the area.

The Liberty Street Bridge over Route 9A remained in place. However, the eastern access point at Liberty and Greenwich streets was relocated to West Street, between Albany and Cedar streets. The new entrance falls in front of the 90 West residential building, and includes a brand new elevator. The old access was closed down and will be demolished.

The Port Authority has implemented a wayfinding campaign to help commuters transition into using the new access. Informative signage has been placed all around the perimeter; alerts were sent to stakeholders and community groups; and Pedestrian Managers were placed at strategic intersections to direct commuters.

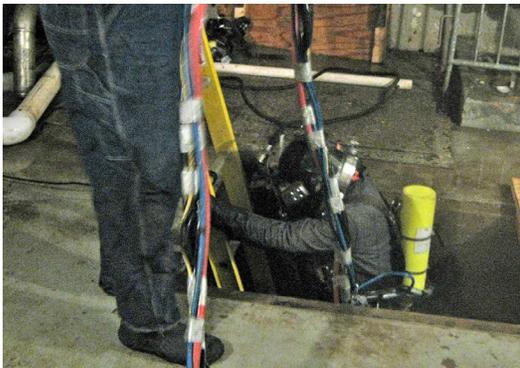
The relocated access opening will allow work to proceed on one of the most critical WTC projects: excavation for the Vehicle Security Center, which will be the primary entrance to the underground parking and delivery areas at the WTC complex. ♦

# River Water Pump House Rehabilitation in Full Swing

The river water pump house will provide water to the Central Chiller Plant, which will supply air conditioning to the non-commercial and retail areas at the WTC site. The pump house is being rehabilitated by The Port Authority engineers and contractors, and the work is in full swing.

The north traveling screen – one of two structures (the other one being the south traveling screen) used to filter incoming water from any river objects – was removed for repairs in April, and will be reinstalled later in the year once it is refurbished. Demolition of the existing MEP (mechanical, electrical and plumbing) systems in the lower pump room also continued.

Diving operations took place throughout April in order to replace the north and south sluice gates. The sluice gates serve to close off incoming river water through intake culverts, like a tap for the pump house; the gates are lifted when water is needed and then lowered again. Divers were necessary because the replacement operations took place under water. Replacement of both sluice gates was completed in April. ♦



Diver lowers himself into water at the river water pump house.



The north traveling screen is being removed for repairs.

