

# Aeroseal Reduces Air Leakage By More Than 90% In New Condominium Tower.



## Newly constructed One Clinton in Brooklyn relies on CMC Energy Services for fast installation.

### The Challenge

One Clinton is a luxury condominium tower currently under construction in Brooklyn Heights, one of New York City's most historic neighborhoods. Located near the Brooklyn Bridge, the 36-story flatiron-shaped building presents sweeping views of the Manhattan skyline, the East River, and New York Harbor, as well as the neighborhood's Cadman Plaza Park.

Construction started in 2017, and soon after the air supply and exhaust ductwork was installed in May 2018, CMC Energy Services was called in to seal three vertical riser ducts within the building using the Aeroseal process.

"Even though the team who had performed the initial installation had done a really good job of manually sealing the ducts, there was still a lot of coverage the Aeroseal installation could achieve," says John Kinison, Energy Advisor at CMC Energy Services.

The challenge: on a busy construction site such as One Clinton work schedules can easily collide with numerous tradespeople when not coordinated correctly, so it was essential for the CMC Energy Services team to complete the work within a strict timeframe. They had only two days to complete the entire job.

### The Solution

To begin the retrofit Jason Briers, CT Aeroseal Supervisor at CMC Energy completed a required site inspection and walk-through the day before the three-person CMC Energy Services team was ready to perform the Aeroseal installation. One of the riser ducts ran the entire height of the building, and the other two were each approximately half the height of the building.

In buildings of 12 stories or more, there is a much higher likelihood of air leakage in ductwork. Because Aeroseal technology seals from the inside of the duct using microscopic particles of sealant, it has the capability to perform a much more thorough job.

"The only other way to achieve the same levels of air flow would have been to install air regulators on each floor, which would be a lot more expensive. Using Aeroseal, they could ensure the air system would run as it was originally designed," Kinison says. "And it's definitely more cost-effective."

### The Results

The CMC Energy Services team completed the work within the allotted two-day timeframe - ahead of time, in fact. Even better, the Aeroseal reports that were generated after the installation showed a reduction in air leakage of more than 85% in one of the risers and more than 90% in the other two.



**85.2%**  
Reduction in Duct Leakage  
on Riser 1

**92.3%**  
Reduction in Duct Leakage  
on Riser 2

**91.2%**  
Reduction in Duct Leakage  
on Riser 3

