

The New Yorker Hotel

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Almost eighty years after its opening in 1930, the iconic New Yorker Hotel welcomed 2009 with the completion of a massive 18-month, \$70 million renovation. A major aspect of the project was replacing the HVAC system. This included removing nearly 2000 window units and the installation of a modern four-pipe HVAC system throughout the entire hotel. This new, truly state-of-the-art system, allows guests to control both the air-conditioning and heating all year long. This is a feature not found in many hotels, let alone one built in 1930.

Part of the modern four pipe HVAC system included installing two BAC model 31301A Cooling Towers, which are sized to cool 3000 GPM of water from 94°F to 83°F at a 78°F design day entering wet bulb temperature. These cooling towers cool the entire 43 story hotel which includes 912 guest rooms, two stately ballrooms, 12 meeting and conference rooms, the 24-hour Tick Tock Diner, Cooper's Tavern, a fitness center, and a business center totaling over one million square feet.

In order to complete the HVAC renovation, the most challenging part for Joe Kinney, the Chief Engineer of the New Yorker Hotel, was installing two cooling towers on the building's roof. With the help from the BAC New York Representative, the cooling towers were ordered in a knockdown configuration. Knockdown units are fabricated at the factory and shipped in pieces for field assembly. They are popular for when there are hoisting constraints and also for overseas shipping. Although this job was complex, the project was completed on time with the dedication of the BAC New York Office, the mechanical contractor, and the New Yorker staff.



Installation of Knockdown Cooling Towers



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