

# 135 EAST 79TH STREET

NEW YORK CITY, NEW YORK, UNITED STATES

## INTRODUCTION

*Echoing the grand apartment towers the Upper East Side is known for, 135 East 79th Street is a luxury residential building constructed in 2014. Designer William Sofield used carved stone, hand-laid brick, cast ironwork, and oversize windows for the exterior in the pre-war style. Amenities for the 32 large apartments and penthouses include a landscaped private courtyard, fitness center, residents' lounge with catering kitchen, and games room overlooking the garden.*

## PROJECT DETAILS

Authorized Dealer [Certus](#) installed a Reliable Controls building automation system during construction of 135 East 79th Street.

The heating system has pressure relief valves that convert high-pressure steam to low-pressure steam, which a heat exchanger converts to hot water. Hot water is pumped through the building using two variable speed pumps. The cooling system consists of a water-cooled chiller, four variable-speed circulating pumps, and an evaporative cooling tower. Each apartment has dedicated hot and chilled water fan-coil units.

Certus connected the controllers using a hybrid fiber-optic and Ethernet backbone to form a robust, high-speed automation network. The Reliable Controls devices provide a powerful, flexible system that facility managers use to maximize operational efficiency and energy use in the building.

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### MARKET SEGMENT

**Residential**

### PROJECT TYPE

**New construction**

### INSTALLATION TYPE

**HVAC**

### TOTAL AREA

**18,580 m<sup>2</sup> (200,000 ft<sup>2</sup>)**

### PROTOCOL

**BACnet, Modbus**

### TOTAL SYSTEM OBJECTS

**750**

### INSTALLED EQUIPMENT

**20 MACH-ProAir™ controllers**

**12 MACH-ProPoint™ expansion modules**

**12 MACH-ProSys™ controllers**

**2 MACH-ProWebSys™ controller**

**8 MACH-ProZone™ controllers**

### RELIABLE CONTROLS AUTHORIZED DEALER

