

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 m² (200,000 ft²)

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





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