

BROADWAY TOWER

PORTLAND, OR, USA

CORPORATE

OVERVIEW

Broadway Tower is a 19-storey, 430,000 square foot, mixed use high-rise building in the heart of Portland, Oregon. The building is within walking distance of the city's best restaurants, shops, museums, parks, and art galleries. The ground floor combines retail space, and world-class restaurant and bar facilities. A Radisson RED Hotel occupies the second through eighth floors and includes 186 hotel rooms. The ninth through nineteenth floors house office space.

PROJECT DETAILS

Reliable Controls Authorized Dealer Sunbelt Controls Inc. successfully completed the LEED Gold certified construction of the Broadway Tower skyscraper in downtown Portland, USA.

Broadway Tower has a mixed use mechanical system. On the office-occupied floors, self-contained vertical units with water-side economizers use a condenser water loop controlled by wet-bulb outside air temperature to maximize efficiency. Fan-powered and variable air volume boxes with reheat complete the office system. The ground floor and hotel mechanical system is comprised of fan coil units with electric reheat and hydronic cooling. The hydronic system uses boilers, an air-cooled chiller, heat exchangers, pumps, and cooling towers. Other third-party integration includes a chiller, dedicated outdoor air system, rooftop unit, ABB variable frequency drives for the pumps and fans, hydronic flow meters, and CO/NO₂ garage exhaust.

Sunbelt Controls Inc. is very proud to have played such an integral role in the construction of this new energy-efficient building, which opened in November 2018.

To learn more about projects using Reliable Controls visit
www.reliablecontrols.com/projects/overview



PROJECT TYPE:
New construction

INSTALLATION TYPE:
Boiler, chiller, fan coil unit, heat pump, HVAC, VAV, CO/NO₂ monitoring

TOTAL AREA:
39,948.3 m² (430,000 ft²)

NETWORK:
EIA-485, Ethernet

PROTOCOL:
BACnet®

TOTAL SYSTEM POINTS:
2,970 points

EQUIPMENT INSTALLED:
237 MACH-ProAir™
12 MACH-ProCom™
4 MACH-ProSys™ Smoke
1 MACH-ProWebCom™
72 MACH-ProZone™

RELIABLE CONTROLS DEALER:
Sunbelt Controls Inc.

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