RIDGEFIELD INTERMEDIATE SCHOOL

RIDGEFIELD, WA, USA

**Overview**

Ridgefield Intermediate School and View Ridge Middle School are housed together in a new 145,000 sq ft facility. Ridgefield Intermediate serves grades five and six, and View Ridge Middle School grades seven and eight, with shared core spaces. Built to accommodate 1,200 students, the school has two levels and 44 regular classrooms; a dedicated science, technology, engineering, art, and math (STEAM) wing; band and choir rooms plus a black box space; two gymnasiums; a multipurpose area shared with high school athletics programs; and a large commons that can be converted into a performance space. Key aspects of the design are flexibility of use, safety and security for students and staff, ease of maintenance, energy efficiency, and overall building operations that support both teaching and learning.

**Project Details**

Reliable Controls Authorized Dealer Sunbelt Controls successfully completed the installation of a building automation system for the new Ridgefield Intermediate and View Ridge Middle School in Ridgefield, Washington.

The mechanical system consists of air handler units, a chiller, boilers, fan-powered boxes, variable air volume boxes, an energy recovery ventilator, and radiant slab heating and cooling. Sunbelt Controls installed multiple MACH-ProAir and MACH-ProZone controllers. RC-Archive, RC-RemoteAccess, and RC-WebView from Reliable Controls provide building operators with the flexibility of a BACnet Virtual Private Network, archived system data, and a simple interface accessed by a secure single sign-on to manage the facility.

The STEAM wing is an important part of Ridgefield School District’s vision and is located at the front of the school as a featured and celebrated component. The classrooms are south-facing to maximize daylight. Connecting these two areas are the commons and media center, which give students from the two schools a place to interact.

Reliable Controls and Sunbelt Controls are pleased with the outcome of this important learning center. Special thanks go to Interface Engineering for its assistance as a consultant.

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**Project Type:**
New construction

**Installation Type:**
Boiler, chiller, HVAC, VAV

**Total Area:**
13,471 m² (145,000 ft²)

**Network:**
EIA-485, Ethernet

**Protocol:**
BACnet®, B/IP

**BACnet:**
Chiller, boilers, ABB pump VFDs, Onicon flow meters, Siemens power meters

**Equipment Installed:**
94 MACH-ProAir™ controllers
2 MACH-ProCom™ controllers
36 MACH-ProZone™ controllers
RC-Archive® software
RC-RemoteAccess® software
RC-WebView® software

**Total System Points:**
1,081

**Reliable Controls Authorized Dealer:**
Sunbelt Controls, Washington