

# Redstone Building

*Davenport Iowa*



River Place Technologies, LLC was hired to Retro-Commission the Redstone Building project.

The Redstone building is a 110 year old 45,000 square foot building located in the heart of downtown Davenport. Davenport One a consortium of community business interests including the Davenport Chamber of Commerce, Downtown Davenport, and others were seeking a focal point to kick off the revitalization of downtown Davenport.

The Redstone building is one of the first projects for the revitalization. The Redstone building was a five level retail merchant facility dating to the late 1800's. The project included a complete rehab of the interior of the building.

The Redstone is a multiuse facility with restaurants on the first floor, museum quarters on the second, office spaces for the third and fourth floors and future program space in the lower/basement level.

The design includes a single heating ventilating and air conditioning (HVAC) system for all four floors. The system design is a central variable air volume system with hot water boilers. The hot water boilers supply perimeter baseboard heating units and reheat coils in the variable air volume units.

River Place Technologies, LLC was asked to retro-commission the project after about three years of operation. This included review of the original design, current operating conditions and solutions to issues noted by the occupants.

River Place Technologies, LLC identified the multiple uses for the facility where interacting through the central HVAC system. The wood grill smoke from the first floor restaurant was finding its way about the building. Several different contractors had been involved during the fit out of the facility which challenged the function of the HVAC system.

River Place Technologies, LLC identified several solutions to correct the design and operation of the building.

River Place Technologies, LLC was then asked to help oversee the resolution of the items.