ADDRESSING THE NEEDS OF FAIRMONT STATE UNIVERSITY & PIERPONT COMMUNITY & TECHNICAL COLLEGE

The HVAC Upgrades consisted of removing the roof top unit provided for the 3rd and 4th floor along with the exterior boilers located behind the building by the pottery room. It took a small crane to setup the large crane that was used to lift the new roof top unit (RTU). It was a miraculous feat setting the new unit. The boilers were replaced and moved to the roof of the building and enclosed in a boiler plant.

Entrance Revitalized

The glass stair tower entrance to HHH was in dire need of repair. The original zipper system had all but failed; allowing water infiltration into the building and corrosion of the steel structure. The tower was stripped back to structural steel only. This involved removing the glass system, grinding off welded L-brackets, clearing steel of rust and patching damaged steel. After demo, the entire structure was primed and painted two coats to protect it. A new Kawneer window system was specially ordered to fit the openings between the structural steel. All steel on the exterior was also wrapped in break metal to give the appearance of a curtain wall and further protect the steel and building from water. The new specified glass is double pane, low-e argon filled; which should help with heating and cooling issues. Some modification to the handrails on the stairs was necessary because they were attached to the old zipper system frame.

Building Control System

The budget allowed for a new building control system provided by BCS Inc. The new system replaced an outdated Honeywell system. A new computer station was provided as part of the contract. The new system allows physical plant employees to monitor what the equipment is doing along with temperature, air flow, discharge, and other set points.
ARRA Funded Mechanical Upgrades

This project was funded by the American Recovery and Reinvestment Act. All purchased products were of USA origin.

Setting the new boiler plant on the roof of HHH, meant providing a source of water, gas, and electric. A new pipe case was created from the basement mechanical room up to the roof. Minimal disruptions were made to classrooms due to the sequencing of work around class schedules.

Only the Beginning

Stair Tower Revitalized

A continuation of the project will be to completely replace the remaining window systems throughout Hunt Haught Hall following a phased schedule. The remaining window systems around the building perimeter are in bad shape; gasket, sealants, and glazing have failed. Resulting in loss of energy, aesthetics, and functionality. These window upgrades will follow in the steps of the Stair Tower revitalization to make this building more energy efficient and modernize its personality. Along with unifying the building with the same colors and finishes.

Here you can see the contractor removing the outdated zipper system, grinding off the brackets, and refurbishing the structural steel. All structural steel was coated prior to being wrapped in metal.