Slippery Rock University Student Union Building

Project Information:

Size - 105,000 SQ. FT.
Levels - 3
Construction Start - July 15, 2010
Construction End - November 28, 1011
Delivery Method - Design - Bid - Build
Cost - Confidential

Architecture:

- Designed to achieve LEED Silver Rating
- Surrounded by brick façade, glass curtain walls and composite stone wall panels
- Integrates sustainability and architecture with green roof and daylighting glass panels

Lighting/Electrical:

- Daylighting utilized wherever possible
- Energy efficient CFL and LED lamps with low glare
- Automatic and manual control of lighting to conserve energy when spaces are unoccupied

Slippery Rock, PA

Project Team:

Owner - Slippery Rock University
Architects - DRS Architects, Sasaki Associates
General Contractor - Mascaro Construction
Construction Manager - Crawford Consulting
MEP Engineers: CJL Engineering
Structural Engineers: Atlantic Engineering

Mechanical:

- Water source heat transfer system circulating between energy recovery heat pump units
- Enthalpy wheel to capture exhaust energy
- Heating supplied from campus steam plant using shell and tube heat exchangers

Structural:

- Slab on grade with concrete foundation wall assembly around the perimeter of the building
- Steel wide-flange beams, girders and columns
- Cast-in-place concrete slabs with composite decking

Gary Haffely I Mechanical Option

CPEP Site- http://www.engr.psu.edu/ae/thesis/portfolios/2011/gjh5027/index.html