

Project Profile



Skid frame assembly on street.



Skid frame assembled and ready to lift.



Equipment on roof-mounted skid.

Market Way South
18 South George Street
York, PA 17401

Scope:
Mechanical upgrades,
including the installation
of new gas-fired roof-top
modular equipment

Project Spotlight

Market Way South

Mechanical Upgrades - 18 South George Street, York, Pa.

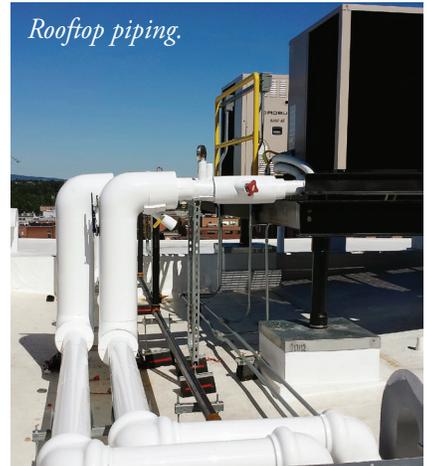
Originally operated as the Colonial Hotel, this historic building in downtown York required mechanical upgrades. The right solution came from the unique creativity and expertise found only at James CRAFT & Son.

The project involved abandoning an existing boiler and cooling tower that had provided heating and cooling to existing heat pumps in each condominium. We then installed new gas-fired modular equipment on the roof, consisting of four gas-fired absorption reversible heat pumps and three gas-fired absorption chillers for additional cooling. This new equipment was isolated from the existing building loop by a plate and frame exchanger.

Interestingly, gas-fired modular heat pumps are fairly new here, and this installation is the first in the York area. Gas-fired heat pumps use the heating and cooling of ammonia as a refrigerant. Gas-fired equipment is projected to be 34% more efficient versus the standard refrigerant found in your home.

One highlight of the project was the use of a crane lift, which necessitated the closing of South George Street on a Sunday morning for approximately five hours. All the roof-mounted equipment was lifted seven stories and placed onto the roof by the crane, preceded by the steel frame (built in our fabrication shop) that now holds all the equipment mounted on the roof.

The project was designed and estimated by Steve Ferree and managed by Eric Miller, while daily field supervision was provided by Randy Doxzon.



Rooftop piping.

“Steve Ferree from your office put the right amount of time, patience and forward thinking into our project to make the solution from James CRAFT & Son stand out as the best.”

—Don Hake, President
Market Way Towers
Condominium Association



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