

Laundry Facility for the V.A. Medical Center Battle Creek, Michigan

The V.A. Medical Center located in Battle Creek, Michigan recently finished a complete renovation of its 22,000 square foot laundry facility. All new laundry equipment was installed along with HEI Engineering's design of new piping and related ductwork. New equipment included (2) 150lb continuous batch washers, (6) 350lb gas-fired dryers, (2) 400lb open pocket washer extractors, (4) 90lb open pocket washer extractors, (2) thermal fluid heated flatwork ironers, (4) small piece folders, (1) large blanket folder, (2) 6,800,000 BTU water heaters, 2,350 gallon hot water storage tank, 1,950 gallon tempered water storage tank, waste water heat recovery system, overhead monorail system, and a central vacuum system.

Design coordination was essential to the installation of the different pieces of equipment along with their related piping and ductwork connections. The monorail system transports the laundry slings throughout the facility to the laundry equipment, and "no-fly" zones are required for clearances around the slings. "No-fly" zones cannot contain ductwork and piping. The laundry equipment was placed in a precise location in order to connect the conveyor system, monorail system, piping, drains, outdoor air, and exhaust air.

Planning for proper airflow distribution was a vital piece of the project. Exact amounts of exhaust air and outdoor air are required to the laundry equipment so that soiled areas maintain a negative airflow and clean areas sustain a positive airflow.



Flatwork Ironers



90lb Washer Extractors

Monorail System and 150lb Continuous Batch Washers



Heat Recovery System and Storage Tanks

350lb Gas Heating Dryers and Lint Collectors



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