

RENOVATIONS TO TRINITY BUILDING 201

St. Lawrence Psychiatric Center

Owner: New York State Office of Mental Health

Contact: Mr. Ed Killeen, (518) 473-1895

Budget: \$30 Million (MEP Cost: \$13.5 Million)

Completed: 2004

Key Design Elements:

- ◆ Full Building Renovation and Rehabilitation
- ◆ Kitchen, Dining, Administrative, and Medical Area Design
- ◆ Mechanical, Electrical, and Plumbing System Design
- ◆ Security System Design
- ◆ Fire Alarm and Fire Protection Systems
- ◆ Data and Communications



OGDENSBURG, NY — Plumb Engineering, P.C. provided design to fully renovate an existing 186,000 square foot patient building at St. Lawrence Psychiatric Center. The patient building has a 304 bed capacity.

The project goal was to consolidate the staff and resources from several other buildings to one central location. The spaces to be relocated to Building 201 included:

- 100 Bed Patient Areas
- Program Areas for Clients
- Clinic, Pharmacy, and Dietary Offices
- Complete Kitchen Facility and Dining Area
- Administrative Offices

The mechanical design features a 4 pipe hot/chilled water system. There is a multiple zone system with reheating air handling units and perimeter fin radiation.

The cooling design is based on a 600 Ton Single State Absorption Chiller with matched cooling towers, and the heating design is based on high pressure steam furnished centrally from a site power plant.

The plumbing scope includes renovations to the existing kitchen facility, new and reconnected roof drains, and related storm piping. In addition, renovations to the shower and toilet rooms adapt them to new uses and meet handicap requirements.

Plumb's electrical design features full electrical power distribution renovations. The project includes design for new lighting, emergency power, fire alarm systems, data and communications systems, and security system support.

Finally, the building is fire protected by a fully sprinklered design that includes both wet-pipe and dry-pipe systems.



Top: Major plumbing, electrical, and HVAC upgrades

Bottom: Kitchen demolition in preparation for full renovations

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