

CCTV SYSTEM UPGRADE & SECURE FENCE

Rochester Psychiatric Center

Owner: New York State Office of Mental Health

Contact: Mr. Tom Cisek, R.A., (518) 473-5804

Budget: \$650,000

Completed: 2005

Key Design Elements:

- ◆ Complete CCTV System Upgrade with cameras, controls, console equipment, monitoring equipment, and digital video recording
- ◆ Secure perimeter fence with access control and shaker detection
- ◆ Door access control
- ◆ Lighting upgrades
- ◆ Fully expandable system
- ◆ Fiber optic upgrades
- ◆ Reports, Construction Drawings, Technical Specifications, and Cost Estimates
- ◆ Construction Administration: Shop Drawings, O&M Manuals, Commissioning, Startup Support



ROCHESTER, NY — As part of its term contract with the New York State Office of Mental Health (OMH), Plumb Engineering, P.C. provided extensive design services to upgrade the security systems at Rochester Psychiatric Institute. The primary design components included the CCTV system, securing the facility's fence perimeter, and access control upgrades.

The CCTV system at the facility was inadequate, and much of the equipment was not functioning properly. Plumb's system design addressed those issues, providing increased security by monitoring patient activity within Building 60's courtyard area as well as remote areas between buildings and the surrounding grounds.

Plumb's design included upgrading exterior lighting to accommodate the expanded CCTV coverage. In addition, the system was equipped with control, monitoring, and console equipment in the safety office coupled with digital video recording.

Similarly, all interior CCTV equipment was surveyed and upgraded as needed. The facility's fiber optic backbone and racks were also upgraded to support the additions as well as to provide integration capabilities for future expansion.

The facility's fencing system was also inadequate to meet security needs. Plumb designed repairs and upgrades to the fence to provide access control for both people and vehicles. The fence itself is designed to be unscalable, and it is equipped with a shaker detection system linked to the CCTV system to immediately notify the safety office of any intrusions or escape attempts.

These systems, along with upgraded card access and door locking controls, integrate fully with the safety office, and provide a secure campus at Rochester Psychiatric Center.



Above: The fence provides for unobstructed CCTV views and access control

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