

State Institute of Rehabilitation

Tri-State Area | Northeastern United States

Project Statistics

Building Size | 101,115 Gross sf
Number of Stories | 3
Project Completion Date | 2007
Overall Project Cost | Approx. \$30,000,000
Project Delivery Method | Design-Bid-Build
Occupancy | Healthcare

Project Team

Owner | Rehabilitation Inc.
Architect | Nadasky Kopelson Architects
Engineer of Record | AKF Group, LLP.
Structural Engineer | Structure Studio Structural Engineers
Civil Engineer | RCC Design Inc.
Food Service Consultant | Raymond & Raymond Consultants

Lighting/Electrical

- 480/3Ø service incoming service to main switchgear
- Branches to (1) normal, (1) critical and (1) life safety
- One low voltage and one high voltage automatic transfer switch
- One low voltage and one high voltage distribution panel
- 96 hour, natural gas fueled emergency generator
- Lighting comprised of fluorescent and compact fluorescent luminaires
- Ample natural lighting resultant from northern and southern fenestration exposure

Mechanical

- Commercial grade, DX cooled, natural gas fired rooftop air handling units
 - Nine (9) variable air volume units (VAV)
 - One (1) constant air volume unit
- Three (3) natural gas fueled, hot water boilers providing supplemental heating to (8) cabinet unit heaters and (8) unit heaters located throughout building
- Five (5) split system air conditioning units serving electrical room, two elevator machine rooms, data room, and vending room

Structural

- ASTM A992 Grade 50 structural steel framing designed for 100 psf congregation live load and 80 psf patient room live load
- 5" normal weight concrete and 3" metal decking
- Supported at base by grade beams and reinforced concrete footings
- 5" normal weight concrete slab on grade over 6" crushed stone and 1.5 lbs. fibrous reinforcement per cubic yard
- Exposed columns are aesthetically concealed

Architectural

- 3 story building consisting of both (one) and (two) occupant patient bedrooms, medical offices, therapeutic and recreational gymnasiums, dining facilities, and building support functions
- Aluminum and glass façade
- Stand-alone addition to existing 2 story (1 above ground story and one below) rehabilitation facility

