

Rensselaer Polytechnic Institute

Residential and Dining Facilities Study and Master Plan

Troy, New York

Owner: Rensselaer Polytechnic Institute

Total Construction Cost: \$29,600,000.00

Comprehensive facilities audit and master planning for the complete renovation, reconstruction and upgrade of all housing and dining facilities campus wide, including 6 historic dormitory buildings. Scope included complete evaluation of site conditions, building systems, asbestos, parking and code compliance; identification of deficiencies; preparation of reports, including recommendations for improvements; and preparation of cost estimates.

High pressure steam central plant provided the heat that was distributed throughout the campus' individual buildings. Heat exchangers located in each building provided hot water heating system and low pressure heating systems. Each building is equipped with a central ventilation system. Dormitories were equipped with intercommunication, television, telephone systems, emergency lighting systems and computer capabilities. Fire Protection system including fire alarm, smoke and heat detection system, and sprinkler system.

A total of 964,093 s.f. in 19 residential and 3 dining facilities were inspected. (Work performed by Karen Astorga, P.E. as head of the Engineering Department for Crozier Architects)



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