



## PROJECT DESCRIPTION

Ravi Engineering & Land Surveying provided structural and geotechnical engineering services for the design of a six story, 70,000 SF 10-story mixed-use building and parking garage structure on Dryden Road, near Cornell University in Ithaca, New York.

The geotechnical engineering scope of this project included subsurface investigation, evaluation and interpretation of laboratory analysis and the recommendation of foundation systems and construction considerations. The foundation of the building was concrete caissons bearing on rock. The exterior façade of the building is a unique colored masonry block system supported on the perimeter edge beams.

The structure incorporated the design of reinforced concrete flat plates and columns as well as reinforced concrete shear walls to resist lateral loads. The structure was supported on concrete drilled piers bearing on rock. The elevated parking structure incorporated on-way post tensioned concrete slabs and beam.

**Owner:** Collegetown Center LLC

**Client:** JPS Architects

**Services Provided:** Structural, Geotechnical Engineering Services

**Construction Cost:** \$7 Million

**Completion Date:** 2009