

Scales Hall



While under Construction

While under Construction



Waterbury Hall



Completed Construction

PROJECT DESCRIPTION

Ravi Engineering & Land Surveying, P.C. (RE&LS) was responsible for providing Structural Engineering Services for various renovations in both Scales and Waterbury Halls at SUNY Oswego in Oswego, NY. The scope of work included modifications to existing first floor finish floor elevations and service areas of the entrance vestibule, and provided ADA accessibility into the residence halls. RE&LS was responsible for the structural design for relocating and replacing existing stairways and elevators, updating the front entrance, modifying bathrooms and lounges throughout the buildings, and modifying the existing mechanical basement area by adding HVAC equipment.

These renovations included the infill of existing stairwell openings and previous lobby floors with the added steel framed front vestibule structures. Remaining existing lobby areas and student lounge areas were provided with elevated concrete slab infills and access ramps to eliminate differing finish floor elevations from the lobbies and dormitory corridors. Added foundations were required in the basement and other areas for the new vestibule columns, added elevator and emergency generator pad.

An accelerated design and bid schedule was utilized to accommodate a shortened design/construction schedule for completion that allowed students to reoccupy the halls. Given the amount of structural modification required and the number of construction trades' personnel having to work simultaneously, design and construction tasks was complicated due to the existing concrete and masonry structure's small work area.

Owner:
SUNY Oswego

Client:
King & King Architects
Matthew Leak, 315-682-6182

Services Provided:
Structural Engineering

Date Completed:
Waterbury Hall – 2015
Scales Hall - 2018