

## Commerce West Renovation/Remodeling Project

University of Illinois  
Champaign, Illinois

Client: University of Illinois, Urbana-Champaign, IL  
Architect: Moorhead Gruber Architects, Champaign, IL  
Contractor: Vacketta & Sons Contractors, Danville, IL

### Range of Services

- ▶ Structural investigation; structural design; structural upgrade
- ▶ Construction documents; shop drawing review; observation

### Project Overview

The structural portion of the 98,000 GSF renovation and remodeling project included investigation and upgrading of the existing floor framing to accommodate a new third story office live load where some old, large mechanical units were located and the penthouse space existed. New stair access framing was required in the southeast corner of the new space. New infill roof framing was added over the new space. There were damaged cored plank at the first floor which were repaired by the addition of new steel framing.

At the west main entry, structural framing for a new lift was added for handicap accessibility to the first floor. Also at the west main entry, foundations for a new ramp, stairs and limestone colonnades were constructed. New structural steel frames were designed to support the new stone colonnades that curve around both sides of the entry. The structural design work was creatively kept invisible to satisfy the architect's design intent.



3rd Floor



Penthouse



1st floor cored plank fractures



*integrating*  
**STRUCTURAL**  
design  
*focused on*  
quality