

## Green Street Residence



### PROJECT

Green Street Residence  
Philadelphia, Pennsylvania

### CLIENT

Private Residence

### DATES

2005 Design and Documentation  
2006 Construction Contract Administration

### DESCRIPTION

The project on Green Street in Philadelphia, Pennsylvania involved stabilizing the front façade of a three story brick masonry building. The building is located in a Historical District and the repairs were approved by the Historical Commission. At the onset of the investigation, the wall was measured to be out of plumb. There were also two diagonal displacements of brick between the windows on the east side of the façade.

### CHALLENGE

We were retained by the property owner due to an unsafe structure violation that was received from the City of Philadelphia's Licenses and Inspection Department. Upon investigation we learned that the building's façade was salvageable. We were employed to provide repair details and to clear the violation.

### SERVICES

#### Structural Investigation and Repair

Investigated the structural instability of the front wall.

Developed repair details that involved installing a series of star bolts to tie back to the structure.

The wall was reconstructed by removing and rebuilding the portion of brick that was displaced along diagonal cracks.

Prepared Construction Documents and responded to the License and Inspection citation.

Contracted the work and provided construction contract administration.

The violation from L&I was removed at the conclusion of the stabilization work.