

Project Name: 1019 Market Street

Project Number: 2012-44

Location: San Francisco, CA

Client: Sentinel Development

Contact: Colby Durnin

Scope :

Petra Structural Engineers' services included a structural evaluation and retrofit of a historical building constructed circa 1909 and located at 1019 Market Street in San Francisco, CA.

The building is a six story (75,000sf) unreinforced brick structure with timber floors and an open façade facing North and South. The seismic retrofit was fine-tuned to meet probable maximum loss insurance requirements while minimizing the cost to the owner.

The retrofit scheme included the addition of $\frac{3}{4}$ " plywood, strengthening the floor systems, and the addition of out-of-plane ties anchoring the brick wall to the floor system. Our scope of work also included the addition of a second floor, new mechanical platform on the roof, repair of the historical terra cotta façade, repair of existing damaged beams and columns, and the addition of a new entrance façade.



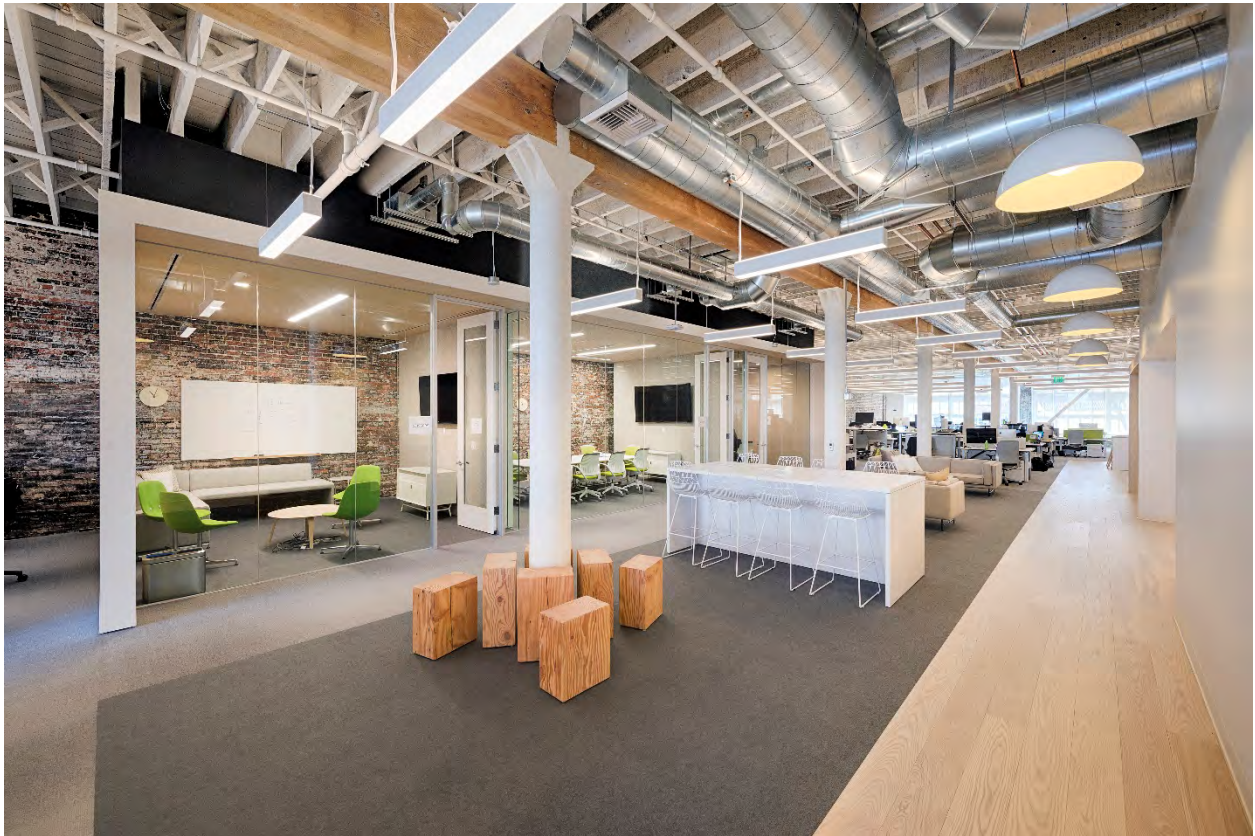
Schedule for Completion: 1 year

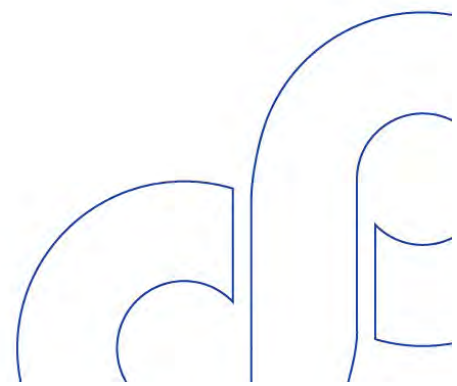
Construction Budget: \$5.9 million

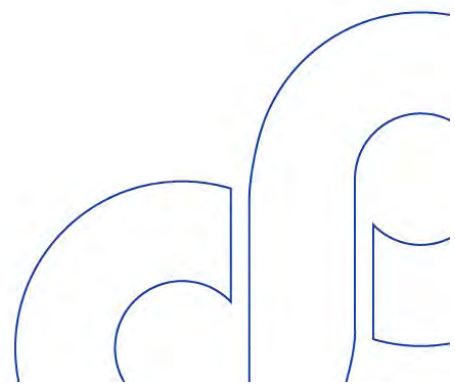
Contractor: Howard S. Wright

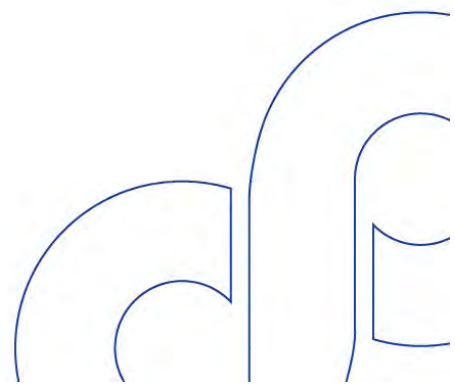
Completed within Budget? Yes

Completed on Time? Yes











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