

- **Owner:**
The Pennsylvania State University
- **Services:**
Structural Engineering
- **Construction Cost:**
\$9,000,000
- **Year Completed**
2008

Computer Building Expansion



The Pennsylvania State University, University Park, PA

Stahl Sheaffer Engineering served as the structural engineer for The Pennsylvania State University Office of Physical Plant's project to expand the Computer Building. The structural system included steel framing with composite decking and masonry shear walls where applicable. Special consideration was required around the existing foundations to avoid influencing or undermining the existing structure.

Stahl Sheaffer designed isolated foundations for the large emergency generators to reduce vibration transmission to computer servers and other IT equipment. Stepped footings were incorporated as necessary to coordinate with the variable depth existing foundations. A design to reinforce selected structural members in the existing building was also performed to support new rooftop mechanical equipment.

