



PROJECT PROFILE:  
**WPXI NEWS**

**Summary:** Special design considerations allow this state-of-the-art broadcasting and production facility to serve the needs of its employees and its community.



### PROJECT STATS

**LOCATION:** Pittsburgh, PA  
**CLIENT:** Rees Associates  
**CLIENT CONTACT:** Ralph Blackman  
(214) 522-7337  
**COMPLETION DATE:** 2007  
**SERVICES:** Structural engineering  
Steel detailing

This \$14 million television studio for WPXI-NBC contains state-of-the-art digital broadcasting and production equipment. Interior spaces in the 69,000-square-foot facility include a production studio, news room, control room and two stories of office space. The 17-acre site includes a 100-foot transmitting tower and an on-site helipad, which required the designers to employ concrete roof deck over sound-sensitive portions of the facility.

LJB provided structural engineering and steel detailing for this structure, which was built with a conventional steel frame, metal studs and a masonry exterior.

Although the facility is built into the side of a hill, shallow foundations were used after the project was value engineered to incorporate deep dynamic compaction. The building also includes several different roof elevations, and significant portions of access flooring to accommodate cabling and HVAC under the finished floor.



The facility's grounds include a 100-foot transmitting tower and an on-site helipad for the station's news helicopter.



A combination of functions and aesthetics delivered a strong work environment for WPXI employees.