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**Western Specialty Contractors Participates in
Clayton Police/Municipal Facility LEED Platinum Restoration Project**

(St. Louis, MO, Jan. XX, 2016) - The Western Specialty Contractors - St. Louis, MO branches (formerly named Western Waterproofing Company), are earning praise for their role in the LEED Platinum restoration of the Clayton Police Headquarters and Municipal Facility in St. Louis County, Missouri. The project earned 80 out of a possible 110 points to qualify it for LEED Platinum certification through the United States Green Building Council. The project was a joint venture for Western's St. Louis Masonry Branch and St. Louis Concrete Branch; St. Louis Masonry was contracted to restore the building's exterior and St. Louis Concrete was contracted to restore the building's attached, 168-space parking garage.

The Clayton Police Headquarters and Municipal Facility occupies 22,000 square feet of a historic, six-story structure in Downtown Clayton at 10 S. Brentwood Ave. The primary goal of the restoration project was to maintain the building's historic character while incorporating modern, sustainable technology and design.

Green features of the project included on-site energy generation using the largest, single-site solar array in the state of Missouri; high-efficiency HVAC, lighting and water systems; a refurbished and improved exterior envelope; and a commitment throughout the facility to indoor air quality and environmental controls for all building occupants.

The scope of work for Western's St. Louis Masonry branch (building's exterior) included:

- Tuckpointing
- Brick replacement
- Caulking of settlement cracks
- Removal of efflorescence and stains

The scope of work for Western's St. Louis Concrete branch (attached, three-level parking garage) included:

- Partial depth concrete slab repairs
- Full-depth concrete slab repairs
- Vertical concrete repairs
- Overhead ceiling concrete repairs
- Post-tensioning tendon repairs
- Installation of a urethane traffic coating

Maintaining proper dust control during both projects was a major challenge for Western and extremely important to preserving the function of the solar panels, which are located on the roof of the parking garage.

"Our biggest hurdle on the project was keeping dust off the panels," said Western St. Louis Masonry Branch Manager Jason Holtman. "We were told at the beginning of the project that dust would damage the solar panels and we were responsible for protecting them. Our solution was to use shop vacuums while cutting out the mortar. We also utilized a combination of swing stages, pipe scaffolding and aerial lifts to get the job done efficiently."

The garage's restoration and maintenance was vital to providing a strong foundation for its rooftop deck where the solar panels are attached.

Work on the parking garage repairs began on the top-level parking deck with the identification of delaminated concrete by chain dragging. With engineer approval, Western crews began removing and repairing the damaged concrete. During the process, Western crews discovered that several post-tension tendons were broken or severely corroded. Western was authorized to shore the structure down to the slab-on-grade level before continuing with the restoration work.

Once the top-level garage repairs were made, Western went on to complete the required deck and overhead repairs as planned, just before the winter set in. Installation of the heavy duty urethane traffic coating membrane to protect the existing structure and the repaired concrete decks was applied the next spring when the weather allowed the work.

Architect: Lawrence Group, St. Louis, MO

Engineer: KPFF Engineers, St. Louis, MO

Construction Manager: Paric, St. Louis, MO

The project received its LEED Platinum certification in July, 2014.

About Western Specialty Contractors

Family-owned and operated for 100 years, Western Specialty Contractors is the nation's largest specialty contractor in masonry and concrete restoration, waterproofing and specialty roofing. Western offers a nationwide network of expertise that building owners, engineers, architects and property managers can count on to develop cost-effective, corrective measures that can add years of useful life to a variety of structures including: industrial, commercial, healthcare, historic, educational and government buildings, parking structures and sports stadiums. Western is headquartered in St. Louis, MO with over 30 branch offices nationwide and employs more than 1,200 salaried and hourly professionals who offer the best, time-tested techniques and innovative technology. For more information about Western Specialty Contractors, visit www.westernspecialtycontractors.com.

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