



## CASE STUDY: EASE OF USE

# TRIANGLE BUILDING

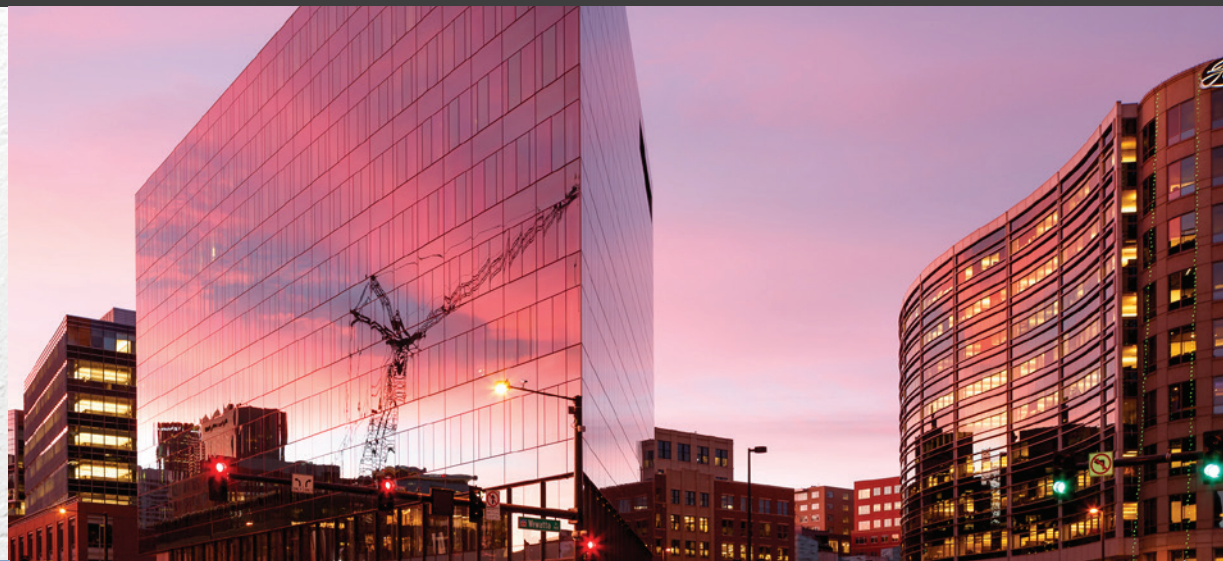
1550 Wewatta St., Denver CO 80202

**Completed:** 2014

**Project Cost:** \$9.2 million

**Project Size:** 250,000 sq. ft. on a zero lot line just under one acre.

**Project Owner:** East West Partners



## CORNERING THE FUTURE OF DENVER

Named the #1 Best City to Live by U.S. News & World Report, Denver has another thing to brag about: the new Triangle Building. Quickly shaping up to be one of the city's most iconic new structures, the Triangle Building is redefining what an office space can be. The property leverages innovative design with cutting-edge technology to offer tenants greater energy efficiency and breathtaking views. What's even more remarkable about the structure is it was built to last. Builders used 15 different varieties of concrete, making the structure not only beautiful but incredibly strong.

### 01. Fifteen types of concrete. One green structure.

Fifteen different varieties of concrete were used in the project, including shotcrete, leave-in-place pump prime, high PSI and lightweight concrete. Each variety serves a particular purpose and contributes to the building's LEED Gold Certification.

### 02. Achieving the most unique shape.

Concrete was used in the building's foundation in order to achieve the building's unique triangular shape without sacrificing strength. Lightweight concrete was used for additional decks due to the material's durability and speed and ease of placement.

### 03. Expert planning and coordination required.

Building downtown involves a unique set of challenges. To ensure the nearly 13,530 cubic yards of concrete needed were poured on time, dispatches had to be closely monitored and traffic needed to be constantly controlled.

### 04. Overcoming obstacles with ease.

Laying the concrete foundation for the parking structure below the water table required major excavation and a large scale dewatering operation. In the end, nearly 40 million gallons of water had to be pumped off site.

