



## Lionstone Parking Structure, Denver, Colorado

Lionstone Parking Structure consists of a 230,400 square foot, mixed-use parking and retail structure. Approximately 11,500 square feet of the main level is designed to accommodate retail space, and three elevated levels provide 680 parking spaces. Employing two cranes and two crews, the 644-piece total precast building system was erected in only 31 working days.

The exterior of the structure is supported by 42-foot long architectural precast columns, two feet deep by six feet wide. To achieve a continuous smooth surface, the massive columns were cast in one piece without splices. The interior framing utilizes double tee, beam, column, stair, and shear wall construction. The load-bearing architectural precast skin consists of buff-colored acid etched concrete and red-brown modular-size thin brick.

As the first building constructed in a redevelopment area, the mixed-use garage raised the level of excellence in architectural and structural design for future projects at the site. It would help transform a former industrial complex into a thriving transit-oriented urban community. Meticulously planned and built, Lionstone is a hallmark structure that displays the versatile use of architectural and structural precast concrete. The Lionstone Parking Structure is a 2009 ACI Award of Merit Recipient for Excellence in Concrete.

### Project Facts:

**Market Segment:** Parking Structures  
**Building Type:** Parking Garage/retail space  
**Products Used:** Precast concrete columns, double tees, stairs and shear walls



### Project Design Team:

**Owner:** Denver Broadway, LLC, Denver, CO  
**General Contractor:** Provident Construction, Inc., Centennial, CO  
**Architect of Record:** Tryba Architects, Denver, CO  
**Engineer of Record:** Jirsa Hedrick & Associates, Inc., Denver, CO



### Company Information:

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Vertical light walls support the single ramp bay, creating unobstructed sight lines and an open air feel.



Architectural aluminum tubes continue the vertical lines established by the storefront mullions. Recesses were cast within the spandrel bull nose to facilitate the attachment of the tubes. Various textures, colors, materials, and finishes combine and contrast to create a building that is as appealing as it is functional.

