

**Tabor Center Redevelopment
Denver, Colorado
2002**

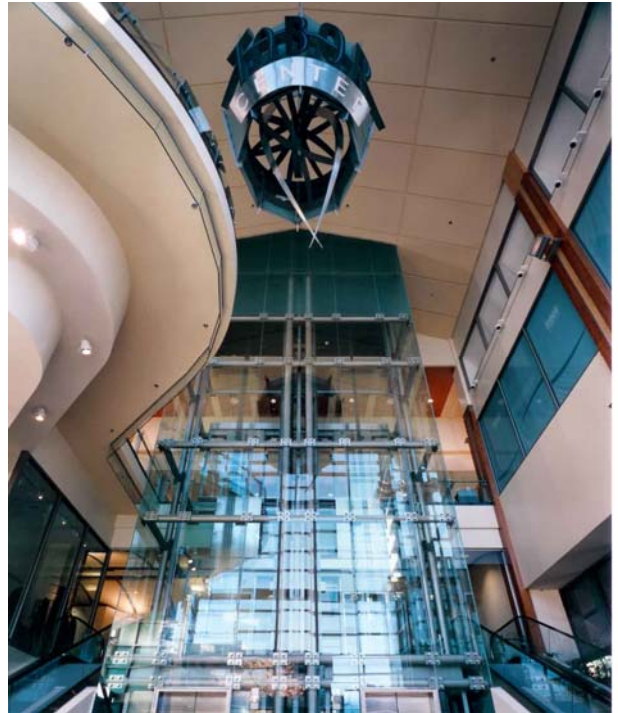
Owner: Equity Office Associates
Developer: Urban Retail Properties
Architect: Belluschi OWP&P
Contractor: Hensel Phelps
EOR: Gregory P. Luth

Description

Fifteen years after the first grand opening, the owners of the Tabor Center again called on M&L engineers to help with the redevelopment of the mall. The work included filling in the three-story atrium with leasable space, creating two new grand entries, replacing the existing hydraulic elevators with glass enclosed traction elevators serving parking and retail, replacing all of the existing escalators, and creating a new connection to the office tower lobby. There were numerous opportunities for creative structural engineering.



New Entry



Whatever it Takes

Four columns were removed to create this space – it was more economical than cladding them.

The Art of Problem Solving

Russel Martino and Greg Luth developed and designed the detail for attaching the glass elevator enclosure to the structural pipes.



Creative Structure

The hole is for the new escalators. The slab is nine inches thick. The tapered girder holds up the floor. The total cantilever length past the girder is 26 feet. The column under the girder used to hold up the roof.