



## ARCHITECTURAL ENGINEERING

### *Barnes & Noble Bookstore Albuquerque, New Mexico*



**Architect:** Icon Architects, Inc.

**Completion Date:** 2001

**Building Use:** Retail

**Building Size:** 25,000 sf

**Construction Cost:** \$2,000,000

**Project Description:** : Structural Solutions, Inc. prepared the design for a two-story retail bookstore in Albuquerque, New Mexico. The store was designed for book sales, reading areas, and a coffee bar. The space also feature a grand atrium and chandelier which is flanked with escalators on either side.

**Project Construction:** The structural system is constructed using conventional structural steel frames with open web steel joists and load bearing masonry walls. The second floor framing was designed to accommodate a library use live load. The lateral load resisting systems are composed of vertically braced and rigid frames, as well as reinforced masonry shear walls. The foundation system consists of drilled piers, and the slab system consists of a reinforced concrete slab on subgrade.