

# Mountaineer Square

Mt. Crested Butte, Colorado

**Owner**

Crested Butte Mountain Resort

**Architect**

BSA Architects

**Completion Date**

2007

**Construction Cost**

\$50 million

**Total Area**

210,000 sf

**Number of Stories**

6



Thornton Tomasetti provided structural design services for Mountaineer Square, a large mixed-use residential, retail, and transit center at the base of the Crested Butte ski area in Colorado. This new mountain village combines the community's need for a sense of place with the resort's need for first class amenities and a warm bed base at this destination locale.

The plan incorporates viewsheds and indigenous architecture with 750,000 square feet of mixed-use development constructed in phases (210,000 square feet of residential area). The building structural systems are steel frames with composite concrete floors, supported on spread footings. The village plaza and garage is a hybrid of precast concrete basement walls and columns, and slab on grade. The plaza deck is a topping slab with snow-melt system, over a concrete and metal deck composite slab, supported by steel beams. Precast concrete shear walls at the stair/elevator cores are utilized as the lateral force resisting system. The ground floor ballroom has a column free space achieved by using story height transfer trusses to support the floors above.