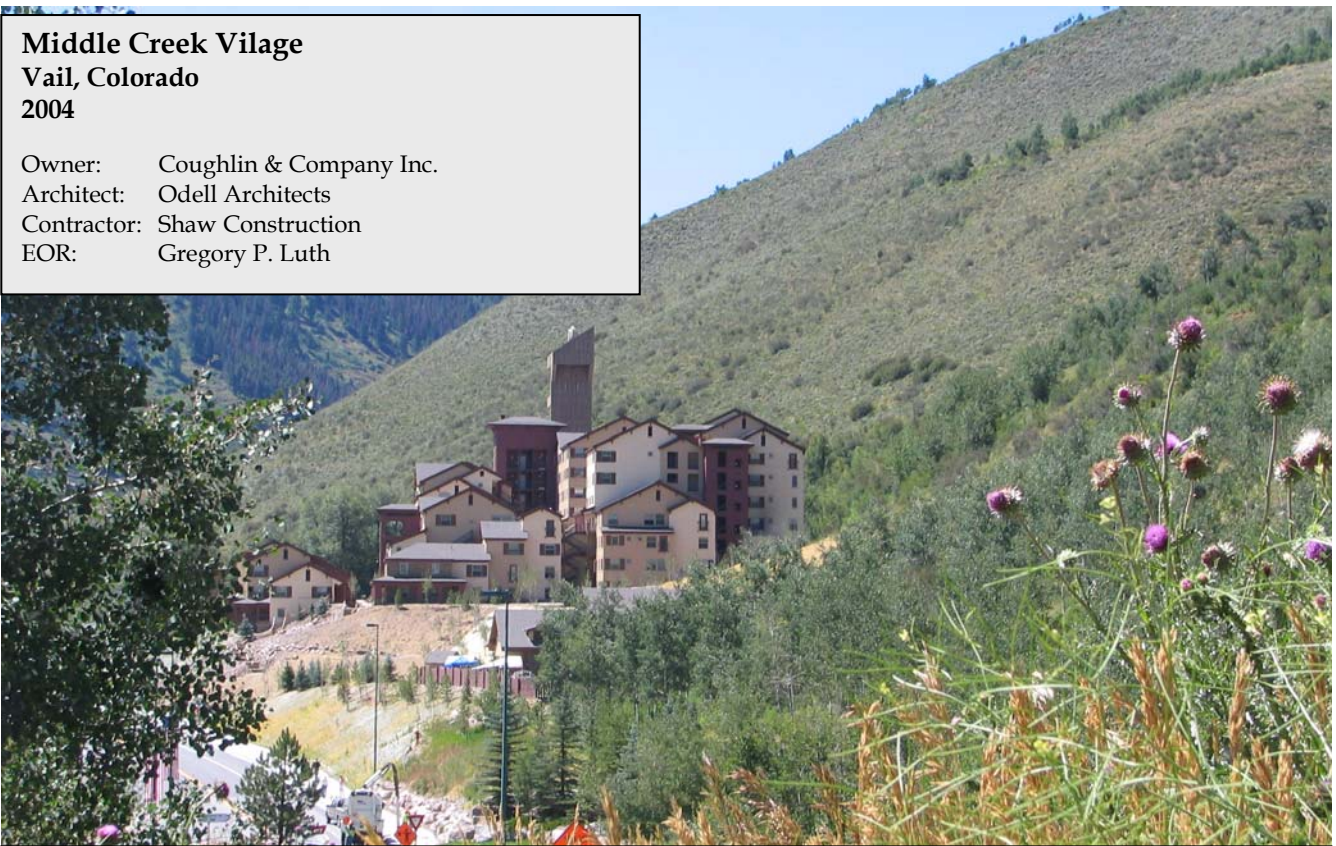


Middle Creek Vilage
Vail, Colorado
2004

Owner: Coughlin & Company Inc.
Architect: Odell Architects
Contractor: Shaw Construction
EOR: Gregory P. Luth



(5) Stories of Wood Framing over (3) stories of Parking

- Middle Creek Village is (5) stories of wood framing utilizing engineered wood joists and beams, heavy timber exterior walkway framing, and 2x6 stud walls .
- The lateral system for the building is composed almost entirely of drywall shear walls.
- The wood framing is transferred to the parking garage column grid below through the plaza level slab. The slab consists of two pours of topping with the top layer providing the necessary steps and slopes over precast double tees.



Steep Sloping Site

The site is extremely tight and has a very steep slope. The buildings were built at different levels and the site was stepped up the slope to accommodate the foundations. Several methods were used to retain the massive amounts of soil from the Soil Nail / Shotcrete wall and Cast in Place Concrete walls shown here to Mechanically Stabilized Earth Walls. In addition to retaining the soil, additional cast in place hazard mitigation walls had to be designed for landslides