



Structural Engineering Project

CABLE MOUNTAIN LODGE Commercial Project



PROJECT DESCRIPTION:

- ◆ McNeil Engineering provided the structural engineering design services for multiple two story hotel buildings for Cable Mountain Lodge. This project was designed to meet the 2006 International Building Code and was designed for seismic design category D, one of the highest categories in the country.
- ◆ This project incorporated the use of a prefabricated truss roof system on timber framed walls with a plywood web I-joist floor system supporting gravity loads.
- ◆ Some of the challenges presented on this project were the large overhangs at the roof and incorporating rough sawn lumber in the design to match the surroundings. Part of the project is located over expansive soils, so a design was provided for some of the buildings using helical piers and grade beams; however, after a construction cost estimate and further soil investigation, an over excavation option was used and the buildings were placed on conventional spread footings.



Matthew Roblez, SE, SECB
Email: matt@mcneileng.com
801-255-7700 x. 128



Brian Warner, SE, LEED AP
Email: brian@mcneileng.com
801-255-7700 x. 111