

GREAT WOLF LODGE & WATERPARK

Grapevine, Texas



COMPLETION DATE

2007 (Initial Construction)
Ongoing Renovations

SERVICES

Structural Engineering,
Civil Engineering, Survey

ARCHITECT

GSBS, Corgan & ADCI

GENERAL CONTRACTOR

Turner

KEY PERSONNEL

David Cumming, PE, SE
Principal-in-Charge

Dustin Swart, PE
Project Engineer

PROJECT DESCRIPTION

Great Wolf Lodge revolutionized the hospitality industry by combining first-rate accommodations with outstanding family recreational activities all under one roof. RLG has been providing Structural Engineering services for Great Wolf Lodge since it began construction in 2005. Since the building was finished in 2007, RLG has continued to work closely with Great Wolf Lodge on renovations and improvements.

Major construction of this project was completed in two phases. During phase one, the construction of the overall structure, comprised of an 8-story hotel, indoor/outdoor water park, and numerous amenity spaces, was completed. The project's second phase included the addition of a conference center, more hotel suites, and a gazebo.

The structure's unique appearance and features offered many interesting challenges including 12 foot diameter waterslides, 70 foot tall columns, and 90 foot long glulams. The building required various materials to accommodate different environments. Using a strategic combination of steel, wood, concrete, and other materials, RLG was able to find a solution for the structure to withstand the demands of the waterpark, resort, and outside elements.