Chad E. Smith, P.E.

PROJECT ENGINEER

EDUCATION B.S., Mechanical Engineering
Arizona State University, 2004

REGISTRATION P.E., Mechanical Engineering
State of Washington, No. 47821

EXPERTISE Building Envelope Design
Building Envelope Failure Investigations
Heat / Vapor Transfer through building materials

PROFESSIONAL SUMMARY

Mr. Smith joined BEE Consulting, LLC in November of 2007 as a project manager and is in charge of multiple projects in Portland and Seattle. A central aspect of his experience at BEE Consulting consists of failure analysis of building envelope issues, building material selections and construction design issues. Mr. Smith also has diverse experience regarding leak investigations, below-grade foundation issues and all other areas of the building envelope.

Prior to Mr. Smith's employments at BEE, he held a position at Orbital Science Corporation in 2005 as a project engineer for the Launch Systems Group. He was assigned to a government contracted family of target vehicles that were in the design and development phase. His duties included design of handling, transportation and storage for the target vehicles. In 2006, Mr. Smith was placed on a project with a target vehicle in the manufacturing phase. His role as the primary mechanical engineer entailed supervising vehicle integration, generating test and integration procedures and verifying as-designed components. He served as a Level II, Mechanical Engineer by the time he left Orbital in 2007.

During Mr. Smith studies at Arizona State University, he assisted his advisor as an undergraduate researcher in 2001. He was teamed with several graduate students to conduct research on Computational Fluid Dynamic simulation software. His duties included model generation and post processing data extraction. In 2003, Mr. Smith took an internship offer at Honeywell Aerospace working with the Science department. His role was to support the Stress Analysis Team by conducting vibration analysis on aerospace components using Finite Element Analysis software and creating material databases.