



CONTACT

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QUALIFICATIONS

LEED AP (NC and EB)

Licensed Professional Engineer, CA

B.S., Mechanical Engineering, Oregon State University

PROFESSIONAL MEMBERSHIPS

Oregon ASHRAE

Cascadia Region Green Building Council

Building Commissioning Association

RECENT PROJECTS

Exposition Park Library

First Unitarian Church

Vanport Square (Mixed-Use)

White Stag Block

AIA Portland Center

Fort Lewis Whole Barracks Renewal

937 Condominiums

The Oregon Convention Center

The Standard Insurance Center

RECENT PUBLICATIONS

“Simulation of Building Energy Consumption based on LEED credit EQc1, Increased Ventilation”, ASHRAE Journal, 2007.

RECENT PRESENTATIONS

Engineering Green 2007: “Integrated Lighting Strategies - Commissioning Lighting”

Tom Hudson

PE, LEED AP

Technical Consultant

As a technical consultant at GBS, Tom manages, schedules, and performs all LEED commissioning tasks through project completion. He supports GBS’s goal to commission projects from design through construction with an emphasis on projects implementing energy and resource use reduction measures. Tom is responsible for documenting the project requirements in the design phase (enhanced commissioning) and reviewing design documents including the basis of design, MEP drawings, and associated specifications. Tom is also responsible for reviewing the design documentation, and construction submittals with a focus on decreasing construction costs by helping to provide clear and accurate direction to all project team members.

As the leader on the project’s commissioning team, Tom’s responsibilities include verifying construction and installation of commissioned systems, documenting start-up and checkout results during construction, sampling verification of commissioned systems, preparing functional test procedures, compiling written verification of training for commissioned systems, reviewing Operations and Maintenance manuals for commissioned systems for completeness and applicability, and preparing all commissioning reports.

Tom also carries out energy audits on existing buildings and performs energy analysis on new buildings to document the projects energy savings as compared to meeting the minimum energy requirements of state, federal and/or LEED standards; and as required to support funding incentives available for high performance buildings. In addition to technical consulting on a wide variety of LEED and green building projects, Tom supports GBS in the review of projects seeking LEED-NC certification from the US Green Building Council.

Prior to joining GBS, Tom worked as a Mechanical Engineer, managing commercial and semiconductor construction operations. He submitted proposals to the State of Oregon for energy reduction measures and managed multiple commercial construction projects installing various systems including: primary-secondary chilled water, heating water, reheat, under floor air distribution, chilled beams, radiant slab, and solar domestic hot water.

*LEED is a registered trademark of the US Green Building Council