

KEY FIRM PERSONNEL

RICHARD R. SMITH, BUILDING ENVELOPE CONSULTANT PROJECT MANAGER

EDUCATION: British Columbia Institute of Technology/Pacific Vocational Institute, British Columbia, Canada; 1980-84
Southern Alberta Institute of Technology,
Calgary, Alberta, Canada; 2001

**PROFESSIONAL
REGISTRATION:** RCI Registered Exterior Wall Consultant #0034

**SPECIALIZED
TRAINING:** Building Envelope Consultant
Level 2 AutoCAD Detailer
Commercial Estimator
Certified Glazier w/ TQ certification

CAREER SUMMARY

Mr. Smith currently serves as a Building Envelope consultant and Project Manager in Price Consulting's Houston office. He has technical and managerial responsibilities for various curtain wall, waterproofing, roofing and design projects, construction management, and construction monitoring. He has developed opinions regarding the cause or causes of construction and materials problems, and prepared recommendations for corrective action.

Before joining Price Consulting in 2009, Mr. Smith worked as a Building Envelope Consultant, specializing in design and installation of window & curtain wall systems, below grade waterproofing, wall system design, and roofing system design, from the Schematic Design phase thru the Construction Administration phase. His responsibilities included estimating & procuring new projects and conducting all contracted scope of services. Prior to that, Mr. Smith worked in the Commercial Glazing industry's as an Estimator/Project Manager, beginning as a certified Glazier. His responsibilities included installing glazing & metal products, estimating commercial glazing projects, procuring required products, conducting price analysis, securing new projects, and project managing thru to final the closeout.

Mr. Smith's experience has included high, mid & low-rise commercial & residential buildings retail malls, military buildings, industrial buildings, schools, hospitals, sport/recreation facilities, airports, and renovation projects. His projects have taken him from the northern most regions of USA & Canada to southern USA.

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SUB-SPECIALTY EXPERIENCE

Curtain Walls and Building Exterior Wall Systems

Mr. Smith has designed, consulted on, and installed multiple types of window and curtain wall systems, as well as cast-in-place, pre-cast, masonry, stone, metal wall panels, and exterior insulation systems. Mr. Smith has provided design services beginning with Schematic Design thru to Construction Administration. In studies & observations of existing projects that experience water ingress, he has documented the existing conditions of the curtain wall and building exterior wall construction and materials, identified sources of water infiltration, and determined the cause or causes of curtain wall and façade material failure. Based on the results of these studies, specific remedial repair recommendations, specifications, and details have been provided. Mr. Smith has provided field construction monitoring for curtain wall and building exterior wall system repairs.

Roofing and Waterproofing

Mr. Smith has provided design & consulting services on numerous above and below grade waterproofing projects, including basements, plaza decks, green roofs, and elevated structural decks. Mr. Smith has provided design services beginning with Schematic Design thru to Construction Administration. Existing condition surveys typically include a survey of the existing structure or waterproofing system, documentation of the location and condition of major structural elements and waterproofing materials, and water testing in order to determine the cause or causes of water infiltration. Mr. Smith has evaluated complete waterproofing systems and material compatibility problems. Mr. Smith has also provided remedial repair recommendations, details, technical specifications, contract documents, and field construction monitoring for both remedial repair and new construction waterproofing projects.

Field Testing Observations

Mr. Smith has been involved in observing ASTM/AAMA field water testing. Mr. Smith has developed repair recommendations, technical specifications, details, and contract documents for water ingress repairs. He has also provided construction-monitoring services for new and remedial construction projects.

Sealants and Coatings

Mr. Smith has extensive experience with the evaluation, installation, and performance of sealant and coating products. He has provided recommendations for repairs, and performed construction-monitoring services during the installation of these types of products.

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Budgeting, Bidding, and Value Engineering

Mr. Smith has extensive experience for providing project budgeting cost of façade products. Mr. Smith's experience continues for the review of Contractors bids for current building costs analysis, through past compiled data, RS Means Cost Data, and current building product costs.

Mr. Smith is experienced evaluating submitted value engineering and/or recommending value engineering while always keeping the Architect and Design teams aesthetic, performance, and functional intent in the forefront.

REPRESENTATIVE PROJECTS

Schools / Institutional Facilities

Sir John Franklin High School, Yellowknife, NWT, Canada: Designed and project managed the glazing and metal panel products to the new and renovated high school, for Clark Builders.

Sherwood High School, Sherwood, Oregon: Provided construction administration consulting services for the construction of a new high school project, for Skanska Construction.

Sherwood K-8 School, Sherwood, Oregon: Provided construction administration consulting services for the construction of a new K-8 school project, for Skanska Construction.

Chemeketa College, Salem, Oregon: Provided design development thru construction administration support for the new Community Training & Development building, for Arbuckle Costic Architects.

Portland State University, Portland, Oregon: Provided construction administration consulting services for the construction of a new recreational campus project, for Skanska Construction.

High-rise Residential/Commercial Buildings

EVO, Los Angeles, California: Provided construction administration consulting services for the construction of a new condominium / retail project, for Howard S. Wright Construction.

Encore Block 19, Portland, Oregon: Provided design development thru construction administration support for the new condominium / retail building, for BOORA Architects.

Sunset & Gordon, Los Angeles, California: Provided design development support for the new condominium / retail building, for GBD Architects.

Terwillager Plaza, Portland, Oregon: Provided construction administration services for the new elderly housing complex, for JE Dunn Construction.

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Commercial Buildings

CTUIR Tribal Center, Pendleton, Oregon: Provided construction administration consulting services for the construction of a new Tribal Services Center project, for JE Dunn Construction.

Les Schwab's HQ, Bend, Oregon: Provided design development thru construction administration support for the new Les Schwab's National Headquarters building, for GBD Architects.

Shell Woodcreek Campus Expansion, Houston, Texas: Provided project management services for the curtain wall and metal panel installation, for Harvey Builders.

Conoco Phillips Woodcreek West Campus, Houston, Texas: Provided project management services for the curtain wall and metal panel installation, for W.S. Bellows Construction.

Veco Building, Bellingham, Washington: Provided design development thru construction administration support for the curtain wall replacement and CIP concrete repair, for Veco Engineering.

Hospitals

Skyline Hospital, White Salmon, Washington: Provided construction administration consulting services for the construction of a new hospital expansion project, for Skanska Construction.

Providence Hospital Office, Portland, Oregon: Provided construction administration consulting services for the construction of a new hospital office complex project, for JE Dunn Construction.

Airports

San Francisco Airport, San Francisco, California: Provided design development & construction document support of the new San Francisco T2 terminal, for Gensler.

Kugluktuk Airport, Kugluktuk, NWT, Canada: Provided project management services for the curtain wall and metal panel installation, for PCL Construction.

Cambridge Bay Airport, Cambridge Bay, NWT, Canada: Provided project management services for the curtain wall and metal panel installation, for Clark Builders.

Military

Whidbey Island Navel Base Training Center, Whidbey Island, Washington: Provided project management services of the curtain wall and metal panel installation, for the US Navy.

Whidbey Island Navel Base Jet Engine Test Center, Whidbey Island, Washington: Provided project management services of the blast windows installation, for the US Navy.

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