



Building Envelope Specialists

SPECIALIZED BUILDING CONSULTANTS

Scott R. Whitaker, President

A. Science, Structural Engineering Technology, Spring Garden Engineering College

B. Science, Architecture, Union Institute

Featured in the March 15, 2002 Issue of *Stone Magazine*

Winner of 2008, State of Maine, Excellence in Preservation Award for the repair and restoration of St Ann's Episcopal Church.

Winner of 2008, State of Maine, Excellence in Preservation Award in masonry consulting for the Beech Nut Hut restoration in Rockland, Maine

Winner of 2009, Excellence in Preservation Award in masonry consulting for the Beech Nut Hut restoration in Rockland, Maine

Mr. Whitaker has specialized in masonry-related products and construction for 30 years. Scott has built his reputation as a leading masonry consultant working with and guiding masons, engineers, owners, and architects through the stages of repairing and preserving masonry buildings. His experience has gained him the reputation for solving complication masonry design flaws in building construction. Additional experience includes application of specialized engineered masonry products, building assessments, forensic investigations, dimensional stone detailing and anchor design, cost estimating, production management, project management, product development, professional services sales. Prior to starting Building Envelope Consultants, he gained experience in the architectural design field as VP of Masonry Operations for a local architectural company, designer and estimator in the structural steel industry, chief draftsman in the miscellaneous metals industry. With this experience, he has authored guidelines and procedures for the refurbishing and maintenance of masonry buildings. He has also developed a specialty in identifying design and material installation flaws. He has consulted on projects throughout the United States and the Caribbean. He has also been featured in the March 2002 issue of *Stone Magazine* as well as recognized by a past United States president for consulting excellence. His projects have received awards including the 2008 Excellence in Preservation Award given by the State of Maine.

SELECTED PROJECT EXPERIENCE

Building Conservation Methodology (Consulting/Assessments/Project Management):

Wood Island Light (circa 1800) Biddeford Pool, ME

Complete building restoration, design documents and project management.

Rollins Chapel (circa 1884) Hanover, NH

Brownstone & Granite restoration consulting.

Academy Building (circa 1880) Exeter, NH

Complete building restoration, design documents and project management.

Main Building (circa 1855) Fryeburg, ME

Limited building restoration, design documents and project management.

Chestnut Street Church (circa 1840) Portland, ME

Brownstone restoration consulting.

Mount Desert Rock (circa 1840) Bar harbor, ME

State Street Church (circa 1870) Portland, ME

Brownstone restoration consulting.

Union Hall (circa 1890), Philadelphia, PA

Furnishing colored cast stone to match existing damaged brownstone.

Washburn Memorial Library (circa 1870) Livermore, ME

Team leader and designer of full repair and restoration of historic masonry library.

Walker Memorial Library (circa 1920) Westbrook, ME

Team leader and designer of full repair and restoration of historic masonry library.

Fort Jefferson (circa 1810) Key West, FL

Masonry restoration consulting.

Nobleboro Middle School (circa 1930) Nobleboro, ME

Assessed condition and outlined repair treatments for the deteriorated masonry.

St. Ann's Episcopal Church (circa 1880) Kennebunkport, ME

Team leader and designer of full repair and restoration of historic masonry church.

Bangor Public Library, Bangor, ME

Assessed condition and outlined repair treatments for the deteriorated mortar joints.

Portland Museum of Art, Portland, ME

On call consultant for maintenance of stone material.

McLellan-Sweat House, Portland, ME

Consultant to the General Contractor and marble installer on cleaning, maintenance procedures and sourcing of Tennessee marble and Ohio sandstone.

St Mary's by the Sea, Northeast Harbor, ME

Team leader & author of a Building Condition Survey use to phase future restoration work.

City of Portland Maine, Portland, ME

Assessed condition and outlined preservation treatments for the Brownstone door surrounds and lintels on Park St. in Portland.

St. Mary's of the Assumption , Orono, ME

Team leader & author of a Building Condition Survey use to phase future restoration work.

Rockefeller Building, Winter Harbor, ME

Team leader & author of a limited masonry assessment.

Maine State Capitol Building, Augusta, ME

Team leader & author of the Granite Veneer Damage Assessment and Repair Consultant.

Warsaw School, Pittsfield, ME

Team leader & author of the Masonry Installation Assessment and Repair Consultant.

Lake County Court House, Valparaiso, IN

Author of cleaning and maintenance specifications for the buildings cast stone.

Lewiston City Hall, Lewiston, ME.

Designer & investigator for ADA-90 improvements to historic building.

First Parish Church, Portland, ME

Designer & investigator for ADA-90 improvements to historic building.

Coles Tower, Brunswick, ME

Masonry restoration consulting.

Oakland's Residence, (circa 1835) Gardiner, ME

Complete building restoration, design documents and project management.

Historic Masonry Projects (Consulting, Detailing/Project Management):

Calais Free Library (circa 1892), Calais, ME

Dimensional stone & masonry consultant for material location and installation inspection.

St. John the Baptist Church (circa 1933), Brunswick, ME

Dimensional stone consultant for material location and installation inspection.

Reading Terminal (circa 1870), Phila. PA

Dimensional stone detailing and furnishing of new granite facade.

Immaculata College Chapel (circa 1881), Malvern, PA

Dimensional stone detailing of granite & brownstone façade on new addition.

York Union Chapel (circa 1760), York, PA

Dimensional stone detailing and furnishing of granite façade on a second story expansion.

Holy Cross-Chapel (circa 1850), Bangor, ME

Matching and furnishing of granite entrance stones.

Bowdoin Chapel (circa 1850), Brunswick, ME

Furnishing of rear granite entrance.

Winchester National Bank, (circa 1920), Winchester, MA

Dimensional stone detailing and furnishing of limestone panels on new addition.
Consultant of limestone surface treatment to appear aged.

Richmond Canal System, (circa 1830), Richmond, VA

Dimensional stone detailing of all granite canal walls. Designed stone anchor system to secure material to backup walls.

Paoli National Bank (circa 1850), Paoli, PA

Dimensional stone detailing of granite base course & limestone facade.

Bryant Park (circa 1890), New York, NY

Granite & Brownstone consultant.

Pineland Center Conference Center (circa 1920), Gray, ME

Dimensional stone detailing, ticketing and installation consultant.

Poland Spring, Preservation Park (circa 1903), Poland, ME

Designer & natural stone consultant for the restoration of the historic Spring House.

Farmington Public Library (circa 1925), Farmington, ME

Dimensional stone detailing and granite supply.

St. Mary's by the Sea Episcopal Chapel (circa 1898), Northeast Harbor, ME

Produced restoration/construction documents for the phase one restoration program.

Rockefeller Building (circa 1932), Winter Harbor, ME

Produced restoration/construction drawings & documents for the terrace restoration program.

First Parish Church (circa 1700's), Portland, ME

Designer & investigator for ADA-90 improvements to historic building.

Non-Historic Masonry Projects (Detailing/Material Supply/ Project Management):

The New Dining Hall, Bates College, Lewiston, ME

Forensic investigation of new installed granite panels.

Main Street and Ewald Dormitories, Phillips Exeter Academy, Exeter NH

Full building renovation to repair faulty architectural details.

Conover 20 Building, St. Paul's School-Concord, NH

Masonry detailing of brick veneer details.

Lovejoy Hall, Colby College-Waterville, ME

Masonry detailing of brick veneer details.

Ipswich Federal Bank, Ipswich, MA

Dimensional stone detailing of limestone trim stock.

Maine Medical Center, Portland, ME

Dimensional stone detailing of limestone and granite banding & base.

Bowdoin Science Facility, Brunswick, ME

Dimensional stone detailing & furnishing of granite and cast stone.

Welcome Park, Philadelphia, PA

Dimensional stone detailing and design of bluestone paves.

Pennsylvania Capital Renovation, Harrisburg, PA

Dimensional stone detailing & supply of 5 different granites.

Winthrop Sq., Cambridge, MA

Detail & design of limestone facade.

Portland Market, Portland, ME

Dimensional stone detailing, supply & management of granite base.

Philadelphia Art Museum, Philadelphia, PA

Dimensional stone detailing & supply of bluestone paving stones.

University of Penn. Art center, Philadelphia, PA

Dimensional stone detailing, supply & management of cast stone facade.

1600 Market Street, Philadelphia, PA

Dimensional stone detailing, supply and management of granite facade and paving stones.

Dupont Science Lab, Delaware, MD

Dimensional stone detailing, supply & management of granite paving stones.

University of New England Science Lab, Biddeford, ME

Dimensional stone detailing & supply of slate lobby.

United States Capitol Building Plaza, Washington D.C.

Project manager & stone consultant.

Nabisco Headquarters, Fairlawn, NJ

Project manager & stone consultant.

Dimensional Stonework (Fabrication/ Sourcing Services/Project Management):

Portland Brownstone Quarry, Portland, CT

Member of independent marketing team that accessed regional market shares for Portland Brownstone projects prior to quarry opening. Not affiliated with quarry owner.

Otter Creek Granite Quarry, Mount Desert Isle, ME

Team leader for research project concerning the remaining available material stocks for fabrication.

Maine & New Hampshire Granite Company Quarries, North Jay, ME

Team leader and author of a feasibility study for the reopening and operation of closed quarries.

Stinchfield and Longfellow Quarries, Hallowell, ME

Team leader and author of a feasibility study for the use of Hallowell Granite for in the State of Maine Capital Building renovation Project

Eastern Quarries, Weymouth, MA

Team leader & author of feasibility study for the use of Weymouth Seam Face Granite in the St. John the Baptist renovation project

Hall Granite Quarry, Mount Desert Isle, ME

Team leader for research project concerning the remaining available material stocks for fabrication.

Pennsylvania Black Granite Quarry, Hopewell, PA

Member of independent marketing team that accessed regional market shares for PA Black Granite projects prior to quarry opening. Affiliated with quarry owner.

Sacred Heart Church, Waterville, ME

Dimensional stone consultant for material location.

St. John the Baptist Church, Brunswick, ME

Dimensional stone consultant for material location and installation inspection.