

## Engineering Consulting Services, Partial List of Past Projects

Client	Job	Description of Services
The Beacon Companies Boston, MA	1615 L Street Office Building Washington, DC	Pre-construction condition survey of abutting structures; advisory services on weatherproofing of masonry facade.
The Beal Companies Boston, MA	Batterymarch Building Boston, MA	Investigation and condition survey of facade of 50 year old office tower; consultation on restoration repairs; inspection of restoration repairs, including structural and weatherproofing.
Blakeny, Moran, Capone Herlihy & May Boston, MA	Eastman Gelatin Corporation Peabody, MA	Investigation of collapse of storage silo.
Boston Properties Washington D.C.	U.S. News and World Report Washington, D.C.	Investigation of water leakage through exterior masonry walls and windows; consultation on repairs.
The Burke Corporation Salem, MA	Service Chemical Company North Andover, MA	Examination of damage by sulphuric acid spill.
Canam Steel Corporation Easton, MA	Manufacturing Plant EMC2 Corporation Franklin, MA	Weatherproofing consultation and static pressure chamber testing during manufacturer's design of new exterior curtain wall panel system.
Commercial Union Insurance Company Boston, MA	One Beacon Street Boston, MA	Investigation of failures of window glass in high-rise building; inspection of window replacements.
Elkus/Manfredi Architects, Ltd. Boston, MA	Harvard Pilgrim Health Care Corporate Headquarters Wellesley Gateway Wellesley, MA	Consultation on weatherproofing design of building envelope; inspection of installation of masonry facade, roofing, windows and sealants.
Elkus/Manfredi Architects, Ltd. Boston, MA	1380 Soldier's Field Road Boston, MA	Consultation on weatherproofing design of entire building envelope, including below-grade and above-grade.

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Exeter Construction Company New York, NY	One Exeter Plaza Boston, MA	Inspection and testing of concrete and brick masonry construction; inspection and ultrasonic testing of structural steel; inspection of fabrication and installation of structurally glazed window systems; static pressure tests of windows and spandrel panels.
Gilbane Building Company Boston, MA	255 Congress Street Boston, MA	Consultation and inspection of building restoration and installation of new facade.
K.S. Sweet Associates King of Prussia, PA	Wachovia Center Bank and Office Tower Charlotte, NC	Investigation of water leakage through exterior precast concrete wall and window system; preparation of repair specifications.
Le Messurier Associates/SCI Cambridge, MA	University of Massachusetts Amherst, MA	Engineering services on brick facade condition.
Massachusetts Institute of Technology Cambridge, MA	Ray and Maria Stata Center MIT Cambridge, MA	Inspection and testing of concrete, structural steel, and fireproofing; review and comment on weatherproofing design details; inspection and water testing of full-scale preconstruction mock-up curtain wall; weatherproofing inspection of installation of curtain walls, roofing, and sealants.
Massachusetts Institute of Technology Cambridge, MA	Rockwell Athletic Cage Massachusetts Institute of Technology Cambridge, MA	Examination of wood roof trusses; engineering services relative to design of mechanical platform.
Massachusetts Institute of Technology Cambridge, MA	Tang Center M.I.T. Building E-51 Cambridge, MA	Review and comment on weatherproofing design details; inspection of installation of precast concrete and aluminum-framed curtain walls, windows, sealants and roofing.; conduct of water tests to evaluate resistance to water penetration.

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Murray, Plumb & Murray Portland, ME	Maine Savings Bank Portland, MA	Investigation of water leakage through brick masonry and windows; investigation of failure of insulated glass window lights; expert testimony in litigation.
New England Power Service Company Westborough, MA	Sandy Pond High Voltage DC Converter Terminal Ayer, MA	Served as Client's site representative for construction materials quality assurance relative to construction and inspection of soils, concrete, structural steel, metal decking, roofing and weatherproofing of \$547 million, 1800 MW converter terminal.
New Haven Savings Bank New Haven, CT	New Haven Savings Bank New Haven CT	Investigation of water leakage through precast concrete walls and windows; inspection of panel cutting and caulking repair program; expert testimony in arbitration.
Patriot Games LLC Boston, MA	Lafayette Corporate Center Boston, MA	Inspection and testing of soils, concrete, structural steel and fireproofing.; weatherproofing consultation and inspection of facade and roofing.
Rowes Wharf Associates Boston, MA	Rowes Wharf Offices, Hotel and Condominiums Boston, MA	Review and comment on weatherproofing details of design; inspection and testing of concrete; inspection of structural steel and sprayed on fireproofing; inspection of plant fabrication and field erection of precast concrete wall panels; inspection of windows, curtain walls and caulking; inspection of roofing (slate, copper, EPDM, liquid applied); laboratory static pressure testing of doors; participation in bi-weekly project quality assurance meetings.
Simpson, Gumpertz & Heger, Inc. Cambridge, MA	University of Massachusetts Library Amherst, MA	Freeze-thaw tests of brick masonry; chemical analyses of mortar, consultation services regarding masonry wall construction.

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Tsoi/Kobus and Associates Architects Cambridge, MA	Suffolk University Law School Boston, MA	Consultation on design of granite curtain wall facade and associated windows.
Wadleigh, Starr, Peters, Dunn & Kohls	The Manchester Bank Manchester, NH	Investigation of window glass failures; examination of site conditions before and during window replacement program; laboratory examination of window unit.
Abt Associates, Inc. Cambridge, MA	Abt Solar Structure Cambridge, MA	Construction consultation and testing of exterior components of solar structure.
Congress Group Ventures Cambridge, MA	Wayland Business Center Wayland, MA	Inspection of masonry repairs, window replacements, and roofing repairs and replacements
Massachusetts Institute of Technology Cambridge, MA	New Biology Building MIT Building E-68 Cambridge, MA	Inspection and testing of concrete, structural steel, and fireproofing; review and comment on weatherproofing design details; inspection and water testing of full-scale preconstruction mock-up curtain wall; weatherproofing inspection of installation of curtain walls, roofing and sealants.
Raytheon Company Sudbury, MA	Hager Pond Office Complex Marlborough, MA	Inspection and testing of soils and concrete; inspection of structural steel and fireproofing; inspection of brick masonry walls and related flashing; inspection of windows, curtain walls, caulking and EPDM roofing membranes.
Tishman Construction Corporation Boston, MA	Logan Airport Hilton Hotel East Boston, MA	Inspection and testing of soils, concrete, structural steel, and fireproofing.