New York State Capitol Building

Albany, NY

Project Contacts: Susan Knack-Brown, Niklas Vigener

The New York State Capitol was designed by a succession of architects, including H.H. Richardson and Leopold Eidlitz. Constructed in stages between 1870 and 1900, the building features Second...

Services: Building Enclosure Investigation, Building Enclosure Rehabilitation

Markets: Government

Keywords: Award Winning, Condition Assessment, Construction Administration, Historic, Industrial Rope Access, Masonry, Masonry-Terra Cotta, Metal, Metal-Copper, National Register of Historic Places, Preservation Technology, Roofing, Skylight, Stair, Stone-Granite, Stone-Slate, Water Leakage

Children's Hospital of Philadelphia, Main Building Expansion

Philadelphia, PA

Project Contacts: Michael Louis, Dean Rutila

The nine-story Main Building, constructed in the early 1970s, featured a glass and aluminum curtain wall. SGH investigated water leakage and prepared repair concepts for the owner’s consideration...

Services: Building Enclosure Design, Building Enclosure Investigation

Markets: Health Care

Keywords: Construction Administration, New Construction, Curtain Wall, Glass and Glazing, Signature Project, Skylight, Water Leakage, Waterproofing, Windows
Archdiocese of Boston, Multiple Building Condition Assessments

Boston, MA

Project Contacts: Paul Kelley, Milan Vatovec

With a need to evaluate more than 100 properties with a total of 200 individual structures, the Archdiocese of Boston asked SGH to develop and implement a condition assessment program that...

Services: Building Enclosure Investigation, Structural Investigation

Markets: Religious

Keywords: Condition Assessment-Multi-Building, Religious, Spire/Bell Tower, Term Contracts and IDIQs

Chicago Federal Plaza

Chicago, IL

Project Contacts: Peter Babaian

The Chicago Federal Plaza in Chicago’s Loop district includes the John C. Kluczynski Federal Building and Loop Station Post Office, both designed by Ludwig Mies van der Rohe. The plaza is used...

Services: Building Enclosure Investigation

Markets: Government, Office

Keywords: Drainage, Failure Investigation, Plaza

National Aquarium Rainforest and Australia Exhibits

Baltimore, MD

Project Contacts: Joseph Rogers

Complementing the National Aquarium’s many aquatic displays, the Tropical Rainforest and Australia: Wild Extremes exhibits are popular with visitors. These large, mechanically controlled,...

Services: Building Enclosure Investigation, Building Enclosure Rehabilitation
Markets: Sports & Entertainment
Keywords: Curtain Wall, Glass and Glazing, Museum, Water Leakage

Dulaney Towers
Towson, MD
Project Contacts: Joseph Rogers

Dulaney Towers is a fourteen-story condominium building constructed around 1974. Owners complained of chronic leaks during rainstorms. SGH investigated the causes of leakage and designed repairs...

Services: Building Enclosure Investigation, Building Enclosure Rehabilitation
Markets: Residential - Condominium
Keywords: Concrete, Concrete Rehabilitation, Condominium, Cracking, Freeze-Thaw, High Rise, Masonry-Brick, Masonry-CMU, Water Leakage

University of the District of Columbia
Washington, DC
Project Contacts: Joseph Rogers, Niklas Vigener

The University of the District of Columbia wanted to renovate the Theater of the Arts building and address ongoing leakage at the same time. The theater building adjoins and lies partially beneath...

Services: Building Enclosure Investigation, Building Enclosure Rehabilitation, Structural Investigation, Structural Rehabilitation
Markets: Education - College & Prep
Keywords: Below-Grade, Concrete Rehabilitation, Plaza, Theater/Performing Arts, Water Leakage, Waterproofing
New Hampshire State House
Concord, NH
Project Contacts: Jeffry Ceruti

The monumental dome on the New Hampshire State House is gilded in gold leaf. After regilding in the early 1990s, the gold leaf started discoloring. The state wanted to understand the cause of...

Services: Building Enclosure Investigation, Materials Investigation
Markets: Office
Keywords: Award Winning, Deterioration, Dome, Materials Analysis, Metal-Copper, Roofing

World Trade Center
Norfolk, VA
Project Contacts: Bradford Carpenter, Joseph Rogers, Niklas Vigener

The World Trade Center in downtown Norfolk, Virginia is a nine-story office building overlooking the Elizabeth River. Constructed in the 1980s, the building is clad with insulated metal spandrel...

Services: Building Enclosure Investigation, Building Enclosure Rehabilitation
Markets: Office
Keywords: Curtain Wall, Office, Roofing, Walls, Water Leakage, Windows

Waverly Hall, 115 Mount Auburn Street
Cambridge, MA
Project Contacts: Derek McCowan, Pedro Sifre

Constructed in the late 1800s, Waverly Hall is part of the Harvard Square Historic District. The owner wanted to renovate the residential building to create modern micro apartments while...

Services: Building Enclosure Investigation, Building Enclosure Rehabilitation, Structural Design
Markets: Residential - Apartment
Bentley University, Campus-wide Condition Assessments

Waltham, MA

Project Contacts: Gregory Doelp, Philip Moser, Eric Olson

The Bentley University campus comprises more than forty buildings, including dormitories, offices, academic and function facilities, a gymnasium and natatorium, and parking garages. To better plan...

Services: Building Enclosure Investigation, Building Enclosure Rehabilitation

Markets: Education - College & Prep

Keywords: Condition Assessment-Multi-Building, Curtain Wall, Facade Inspection, Masonry-Brick, Roofing, Roofing, Low-Sloped, Sealants and Coatings, Stone-Slate

Children's National Medical Center, Healing Garden

Washington, DC

Project Contacts: Scott Silvester

Children’s National Medical Center wanted to provide patients and their families with a garden where they could enjoy time outdoors. The Bunny Mellon Healing Garden dedicated to the First Ladies...

Services: Building Enclosure Design, Building Enclosure Investigation, Structural Design, Structural Investigation

Markets: Health Care

Keywords: Adaptive Reuse, Award Winning, Green Roofs, Metal-Steel, Roofing, Structural Strengthening, Truss
**Hess Corporation Tioga Office Complex**

Tioga, ND  
**Project Contacts:** Peter Babaian  

Constructed in 2009, the Tioga Office Complex is the administrative hub for Hess Corporation’s Bakken Oil Field operations. After occupying the complex, Hess personnel observed water leakage in...

**Services:** Building Enclosure Investigation  
**Markets:** Office  
**Keywords:** Field Testing, Metal-Steel, Roofing, Water Leakage

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**Johns Hopkins University, Krieger Hall**

Baltimore, MD  
**Project Contacts:** Joseph Rogers, Scott Silvester, Bryan Strohman, Niklas Vigener  

Constructed in 1929, historic Krieger Hall sits on the Keyser Quadrangle at Johns Hopkins University (JHU). It connects to Ames Hall through a vestibule and colonnade walkway to the west and...

**Services:** Building Enclosure Investigation, Building Enclosure Rehabilitation, Structural Investigation, Structural Rehabilitation  
**Markets:** Education - College & Prep  
**Keywords:** Award Winning, Below-Grade, Below-Ground Waterproofing, Civil, Drainage, Excavation Support, Foundation, Geotechnical, Masonry-Brick, Plaza, Preservation Technology, Structural Strengthening, Water Leakage, Waterproofing

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**Vi at Silverstone**

Scottsdale, AZ  
**Project Contacts:** Peter Babaian  

Vi at Silverstone is a multi-building, senior living community featuring condominium-style villas, an apartment-style lodge, and an assisted-living care center. Shortly after occupancy, residents...

**Services:** Building Enclosure Investigation  
**Markets:** Residential - Condominium
524 South Park Street
Kalamazoo, MI
Project Contacts: Peter Babaian

Constructed in 2008, the one-story building at 524 South Park Street houses a medical radiology department and related spaces. As part of a property consolidation effort, Bronson Healthcare wanted...

Services: Building Enclosure Investigation
Markets: Health Care
Keywords: Below-Ground Waterproofing, Building Science, Condition Assessment, Curtain Wall, Due Diligence, Hospital, Office, Roofing, Roofing, Low-Sloped, Roofing, Steep-Sloped

Hyatt Lodge at McDonald’s Campus
Oak Brook, IL
Project Contacts: Peter Babaian

Hyatt Lodge at McDonald’s Campus added a new entrance vestibule in 2012, enclosing the original open-air, concrete-framed structure with a new exposed galvanized steel canopy structure featuring...

Services: Building Enclosure Investigation, Materials Investigation
Markets: Hospitality
Keywords: Coating, Metal-Steel, Water Leakage

Landmarks Illinois
Hyde Park, IL
Project Contacts: Peter Babaian

As part of the Preservation Easement Program, Landmarks Illinois oversees the preservation of properties with designated easement on their facades. Working for Landmarks Illinois,
Mission 106
Leawood, KS
Project Contacts: Peter Babaian
Mission 106 is mixed-use complex with 132 apartments, commercial retail space, and many amenities. The 149,000 sq ft building is a wood-framed superstructure constructed over a concrete podium.

Services: Building Enclosure Investigation
Markets: Residential - Apartment
Keywords: Construction Administration, Expert Testimony, Plaza, Podium, Residential, Stucco, Walls, Water Leakage, Waterproofing

Butterworth Center & Deere-Wiman House
Moline, IL
Project Contacts: Peter Babaian
Located in Moline’s Overlook District, the Deere-Wiman House and Butterworth Center were constructed in 1872 and 1892, respectively. These neighboring, historic mansions are now managed by a non-...

Services: Building Enclosure Investigation, Structural Investigation
Markets: Cultural
Keywords: Cultural, Historic, Museum, Preservation Technology, Residential, Stucco, Water Leakage, Wood
Shrine of Christ the King

Chicago, IL

Project Contacts: Peter Babaian

On 7 October 2015, a fire at Shrine of Christ the King significantly damaged the building. The Institute of Christ the King Sovereign Priest undertook a fundraising campaign to stabilize and...

Services: Building Enclosure Investigation, Building Enclosure Rehabilitation

Markets: Religious

Keywords: Condition Assessment, Construction Engineering, Fire, Historic, Masonry-Brick, Preservation Technology, Religious, Stone-Limestone, Structural Stabilization

1100-1114 West Randolph Street

Chicago, IL

Project Contacts: Terrence McDonnell

Constructed in 1919, the one- and two-story buildings at 1100, 1108, and 1114 West Randolph Street represent the industrial building type common to this West Loop neighborhood. The owner was...

Services: Building Enclosure Investigation, Structural Design, Structural Investigation

Markets: Retail

Keywords: Adaptive Reuse, Condition Assessment, Feasibility Study, Interior Renovation, Masonry-Brick, Structural Strengthening

Massachusetts State House Time Capsule

Boston, MA

Project Contacts: Dominic Kelly, Susan Knack-Brown

On 4 July 1795, Samuel Adams, Paul Revere, and William Scollay led the procession from the old Massachusetts State House to the site of the new State House to lay the granite cornerstone. In the...

Services: Building Enclosure Investigation, Materials Investigation, Structural Investigation
Boston Convention and Exhibition Center

Boston, MA

Project Contacts: Scott DiFiore, Paul Kelley, Aaron Lewis

With a 21-acre footprint, the Boston Convention and Exhibition Center (BCEC) is the largest convention center in New England. The facility features nearly a mile of elevated roadway partly over...

Services: Building Enclosure Investigation, Structural Investigation

Markets: Other

Keywords: Building Science, Commissioning, Construction Administration, Drainage, LEED Projects, Roofing, Sport/Entertainment, Water Leakage, Waterproofing

Old Town Crescent Condominiums

Alexandria, VA

Old Town Crescent Condominiums suffered from water leakage since construction in 2002. The residential building is primarily clad in brick masonry with limestone accents and exterior stucco at...

Services: Building Enclosure Investigation, Building Enclosure Rehabilitation

Markets: Residential - Condominium

Keywords: Balcony, Condominium, Construction Administration, Residential, Stucco, Water Leakage, Windows
Duke University, Craven and Crowell Quadrangles

Durham, NC

Project Contacts: Bradford Carpenter, Nicholas Piteo, Niklas Vigener

Housing approximately 800 students, Craven and Crowell Quadrangles (Quads) make up a significant portion of Duke University’s West Campus Quads. The university determined the 1920s structures,...

Services: Building Enclosure Investigation

Markets: Education - College & Prep

Keywords: Air Infiltration, Condition Assessment, Condition Assessment-Multi-Building, Dormitory, Roofing, Roofing, Roofing, Clay Tile, Roofing, Steep-Sloped, Stone, Windows

Duke University Medical Center, North Hospital Complex

Durham, NC

Project Contacts: Bradford Carpenter, Joseph Rogers, Niklas Vigener

The North Hospital Complex consists of several large buildings, including three patient towers to the west, a cylindrical elevator core, ancillary buildings, and a large atrium. Designed in the...

Services: Building Enclosure Investigation, Building Enclosure Rehabilitation

Markets: Health Care

Keywords: Condition Assessment-Multi-Building, Skylight, Stucco, Water Leakage, Windows

Apartment Complex

Jacksonville, FL

Project Contacts: Eric Olson, Dean Rutila

The apartment complex, containing over 300 units in seven interconnected buildings, experienced sagging and settling of elevated walkways and balconies shortly after construction.
SGH investigated...

**Services:** Building Enclosure Investigation, Structural Investigation

**Markets:** Residential - Apartment

**Keywords:** Construction Administration, Damage, Expert Testimony, Field Testing, Stucco, Water Leakage, Wood Frame

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**Suffolk County House of Correction**

Boston, MA

**Project Contacts:** Jeffry Ceruti

Completed in 1990, the Suffolk County House of Correction (HOC) consists of eight buildings ranging in height from three to fifteen stories. HOC personnel observed water leaking into the buildings...

**Services:** Building Enclosure Investigation, Building Enclosure Rehabilitation

**Markets:** Government

**Keywords:** Cladding / Recladding, Plaza, Roof Replacement, Roofing, Walls, Water Leakage

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**The Cathedral of Saint Mary of the Assumption**

San Francisco, CA

**Project Contacts:** Carolyn Searls

Completed in 1971, the cathedral is distinguished by its Expressionist design and ascending roof with its cross-shaped apex. Vertical and horizontal openings are filled with Dalle de Verre stained...

**Services:** Building Enclosure Investigation, Materials Investigation

**Markets:** Religious

**Keywords:** Failure Investigation, Glass and Glazing, Laboratory Testing and Analysis, Leaded and Stained Glass, Preservation Technology, Windows