Bahá’í House of Worship of South America

Santiago, Chile

Project Contacts: Amy Hackney, James Parker

Designed by Siamak Hariri of Hariri Pontarini Architects, the Chile Baha’i House of Worship sits on a hillside set against the Andes Mountains. At nearly 100 ft high, the temple features nine...

Services: Building Enclosure Design, Materials Design, Structural Design

Markets: Religious

Keywords: Award Winning, Base Isolation, Glass and Glazing, High-Performance/Advanced Enclosures, International, Laboratory Testing and Analysis, Materials Analysis, Materials Testing for Design, Religious, Seismic Isolation, Signature Project, Spaceframe/Shell Structure, Stone, Structural Glass

Summer Star Wildlife Sanctuary

Boylston, MA

Project Contacts: Erik Farrington, Pedro Sifre

As a gateway to the expansive forty-five acre sanctuary, the Trailhead House offers visitors an opportunity to learn about the area’s woodlands and wildlife. Given the sanctuary’s focus on...

Services: Building Enclosure Design, Structural Design

Markets: Cultural

Keywords: Award Winning, BIM, Concrete, Green / Sustainable Design, LEED Projects, Metal-Steel, Revit/BIM, Wood
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

University of Arizona, Phoenix Biomedical Campus, Health Science Education Building

Phoenix, AZ

**Project Contacts:** Delbert Bern, Eric Schroter

The six-story Health Sciences Education Building at the Phoenix Biomedical Campus houses classrooms, lecture halls, offices, and a below-grade research core. The cladding consists of a 45,000 sq...

**Services:** Building Enclosure Design

**Markets:** Education - College & Prep

**Keywords:** Award Winning, Below-Grade, Building Science, Classroom, Curtain Wall, Design-Build, Field Testing, LEED Projects, Metal, Metal-Copper, Signature Project, Thermal and Moisture Drive
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

140 New Montgomery Street
San Francisco, CA
Project Contacts: Carolyn Searls

Completed in the mid-1920s, 140 New Montgomery Street is one of the early skyscrapers built in San Francisco. The Art Deco high-rise, originally known as the Pacific Telephone and Telegraph...

Services: Building Enclosure Rehabilitation
Markets: Office
Keywords: Adaptive Reuse, Award Winning, Glass and Glazing, High Rise, Historic, Masonry, Masonry-Terra Cotta, National Register of Historic Places, Preservation Technology, Roof Replacement, Roofing, Windows

National September 11 Memorial and Museum
New York, NY
Project Contacts: William Konicki, Nathaniel Smith, Milan Vatovec

The “bathtub” slurry wall at the World Trade Center (WTC) site survived when the WTC towers collapsed in 2001, making it a symbol of endurance. WTC site redevelopers wanted a section
Seabrook Station Nuclear Power Plant

Seabrook, NH

Project Contacts: Jesse Beaver, Said Bolourchi, Matthew Sherman

The discovery of alkali-silica reaction (ASR) in concrete structures at the Seabrook Station Nuclear Power Plant (Seabrook) was first documented case of ASR at any U.S. nuclear facility. The...

Services: Materials Investigation, Structural Investigation
Markets: Nuclear
Keywords: Concrete, Cracking, Field Testing, Laboratory Testing and Analysis, Nondestructive Testing, Petrography

Massachusetts State House

Boston, MA

Project Contacts: Susan Knack-Brown

The State House was constructed in three phases. The original Federal/Georgian building was designed by Charles Bulfinch and completed in 1798. In 1896, a renaissance revival Annex with yellow...

Services: Building Enclosure Rehabilitation, Structural Rehabilitation
Markets: Government
Keywords: Award Winning, Condition Assessment, Dome, Emergency Response, Historic, Masonry, National Register of Historic Places, Preservation Technology, Renewable Energy: Photovoltaics, Roofing, Water Leakage
**San Francisco War Memorial Veterans Building**

San Francisco, CA  
**Project Contacts:** Ronald Hamburger, Stephen Harris, Carolyn Searls

The San Francisco War Memorial Veterans Building and adjacent Opera House are aesthetically-similar, Beaux-Arts structures commemorating U.S. veterans of World War I. The Veterans Building...

**Services:** Building Enclosure Rehabilitation, Structural Rehabilitation  
**Markets:** Cultural  
**Keywords:** Award Winning, Code Compliance, Historic, Masonry, Masonry-Terra Cotta, Metal, Metal-Steel, Monumental Buildings, National Register of Historic Places, Preservation Technology, Revit/BIM, Roofing, Seismic Engineering and Retrofit, Skylight, Stone-Granite, Theater/Performing Arts

**Boston Harbor Islands Pavilion**

Boston, MA  
**Project Contacts:** Matthew Johnson, Paul Kassabian

The Boston Harbor Island Alliance and the National Park Service wanted the first permanent structure on the Rose Kennedy Greenway to act as a beacon, attracting people to Boston’s Harbor Islands....

**Services:** Structural Design  
**Markets:** Cultural  
**Keywords:** Award Winning, Concrete, Construction Consulting, Exhibitions/Park Pavilions, Metal, Metal-Steel, Mockup, Renewable Energy: Photovoltaics

**Massachusetts Institute of Technology, Building 10 Great Dome**

Cambridge, MA  
**Project Contacts:** Peter Babaian, Emily Hopps, Thomas Schwartz

MIT’s Main Group Buildings, dedicated in 1916, include
Building 10 with its prominent limestone- and copper-clad Great Dome. SGH investigated leakage into the Barker Library below the Great Dome...

**Services:** Building Enclosure Rehabilitation  
**Markets:** Education - College & Prep  
**Keywords:** Award Winning, Dome, Library, Masonry, Metal, Metal-Copper, Mockup, Preservation Technology, Signature Project, Stone-Limestone, Thermal and Moisture Drive, Waterproofing

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**Nemours Children's Hospital**  
**Orlando, FL**  
**Project Contacts:** Michael Bolduc, John Thomsen, Joseph Zona

The Nemours Children's Hospital includes four buildings on a 60-acre campus. The two seven-story, cast-in-place concrete hospital and clinic buildings and two steel-framed, two-story structures...

**Services:** Building Enclosure Design, Structural Design  
**Markets:** Health Care  
**Keywords:** Below-Ground Waterproofing, Building Enclosure Commissioning, Concrete, New Construction, Green / Sustainable Design, Green Roofs, Ground (Soil) Improvement, Hospital, LEED Projects, Revit/BIM

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**Harvard University Science Complex, MWRA Sewer**  
**Allston, MA**  
**Project Contacts:** Arthur Davies, Daniel Valentine, Mehdi Zarghamee

Harvard University planned to locate a new science complex above a Massachusetts Water Resources Authority (MWRA) brick masonry pipeline that was over 115 years old. The University was concerned...

**Services:** Structural Investigation  
**Markets:** Water/Wastewater
Storrow Drive Interchange/Tunnels

Boston, MA

Project Contacts: Rosalind Imbaro, Paul Kelley

Storrow Drive, a parkway along the Charles River in Boston, carries more than 100,000 vehicles per day. The tunnels provide access to city streets, and are constructed of reinforced concrete...

Services: Materials Rehabilitation, Structural Design

Markets: Highway & Tunnel

Keywords: Award Winning, Below-Grade, Bridge, Major Vehicular, Concrete, Construction Administration, Cracking, Emergency Response, Field Testing, Tunnel

Bay Area Rapid Transit (BART), East Station Plaza, Danseurs (Dancing Ladies)

Union City, CA

Project Contacts: John Sumnicht

Union City sought to develop a civic plaza with a featured centerpiece and commissioned a terraced fountain with three bronze Danseurs on platforms positioned within the fountain. With the...

Services: Structural Design

Markets: Cultural

Keywords: Art Work, Award Winning, Base Isolation, Seismic Isolation

Worcester Polytechnic Institute, Sports and Recreation Center

Worcester, MA

Project Contacts: Sal Capobianco

Recognizing sports and fitness are important to the campus community, Worcester Polytechnic Institute (WPI) wanted to
update its current facilities by constructing a new sports and recreation...

**Services:** Structural Design  
**Markets:** Education - College & Prep  
**Keywords:** Award Winning, Concrete, Concrete-Precast, Concrete-Prestressed, Long-Span Structure, Natatorium, Signature Project

### 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

### New England Conservatory, Student Life and Performance Center

**Boston, MA**  
**Project Contacts:** Vince Cammalleri, Jason Der Ananian  
The New England Conservatory wanted to create a hub for students by providing gathering spaces, dormitories, a library, practice rooms, and performance venues all in one new building. The divided...

**Services:** Building Enclosure Design  
**Keywords:** Building Science, Construction Administration, Curtain Wall, Masonry-Terra Cotta, Peer Review, Theater/Performing Arts, Thermal and Moisture Drive
Emerson College, Little Building

Boston, MA

Project Contacts: Michael Louis

Completed in 1917, the Little Building is a twelve-story structure at 80 Boylston Street, facing historic Boston Common. The building housed a variety of businesses over the years, until Emerson...

Services: Building Enclosure Rehabilitation

Keywords: Cast Stone, Cladding / Recladding, Concrete-Precast, Curtain Wall, Preservation Technology

The Point LIC, Paragon and Blanchard

Long Island City, NY

Project Contacts: Matthew Normandeau, Kevin Poulin

The Point LIC, a new commercial development, reinvents two seven-story industrial buildings as the Paragon and Blanchard. The renovated buildings offer open office floor plans, ground-level retail...

Services: Building Enclosure Rehabilitation, Structural Design

Keywords: Adaptive Reuse, Construction Administration, Deterioration, Masonry-Brick, Masonry-Terra Cotta, Masonry-Transitional, Office, Renovation, Roof Replacement, Roofing, Structural Strengthening, Windows

288 Pacific

San Francisco, CA

Project Contacts: Eric Schroter, Travis St. Louis, Jonathan Stafford

Just one block from the Jackson Square Historic District, 288 Pacific incorporates modern residences with an early 1900s masonry structure. The project brings thirty-three condominiums to the...

Services: Building Enclosure Design

Keywords: Award Winning, Balcony, Below-Ground Waterproofing, Construction Administration, Peer Review, Plaza, Residential, Roofing, Roofing, Low-Sloped, Waterproofing, Window Wall
One Bunker Hill
Los Angeles, CA
Project Contacts: Amy Hackney, Kevin OConnell

The 1931 building was originally known as the Southern California Edison Building and served as the company’s headquarters. The building’s new owners wanted to renovate the fourteen-story...

Services: Building Enclosure Rehabilitation, Structural Design
Keywords: Balcony, Canopy/Ceiling, Structural Strengthening, Tenant Improvements, Waterproofing

Willis Tower
Chicago, IL
Project Contacts: Matthew Johnson

Designed by Gensler, Catalog is a five-story dining, retail, and entertainment hub located at the base of the 1970s Willis Tower. The repositioning project, which redevelops 388,900 sq ft of...

Services: Structural Design
Keywords: Construction Engineering, Construction Staging, Fasteners and Connections, Interior Renovation, Metal-Steel, Tenant Improvements

325 North Ashland Avenue
Chicago, IL
Project Contacts: Terrence McDonnell

The 80,000 sq ft building in Chicago’s Fulton Market neighborhood was constructed in the early 1950s as a manufacturing facility. Potential buyers were considering redeveloping the property for...

Services: Structural Design
Keywords: Adaptive Reuse, Addition, Concrete, Feasibility Study
Concrete Sidewalk Investigations
Belmont, MA
Project Contacts: Matthew Sherman
SGH investigated the causes of deteriorating concrete sidewalks at multiple locations in Massachusetts. Deterioration ranged from scaling to surface delaminations.
Services: Materials Investigation
Keywords: Concrete, Deterioration, Laboratory Testing and Analysis, Petrography

HITT Contracting, Co|Lab
Falls Church, VA
Project Contacts: Jeffrey Kerr, Eric Ober
With a commitment to advancing the building industry, HITT Contracting sought to create an exciting new space to inspire collaborative research, testing, and learning. The two-story Co|Lab...
Services: Building Enclosure Design, Structural Design
Keywords: Heavy Timber, Laboratory, Roofing, Wood

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
Building Enclosure Condition Assessments for Schools

Chicago, IL

Project Contacts: Peter Babaian

SGH helped several schools in the Chicago area by assessing the condition of their buildings’ enclosures and working with them to develop plans for future capital projects, maintenance, and repair...

Services: Building Enclosure Design
Keywords: Condition Assessment, Roofing, School, Walls, Walls and Fenestration

1701 Rhode Island Avenue NW

Washington, DC

Project Contacts: Jeffrey Kerr, John Jackson

Previously a YMCA, the base structure for 1701 Rhode Island Avenue NW was repurposed for use as an office building, with new interiors and a modern building enclosure. The seven-story building...

Services: Building Enclosure Design
Markets: Office
Keywords: Construction Administration, Curtain Wall, Masonry, Metal-Copper, Peer Review