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
of the wall...

**Services:** Structural Investigation, Structural Rehabilitation  
**Markets:** Cultural  
**Keywords:** Award Winning, Foundation, Geotechnical, Monumental Buildings, Museum, Retaining Wall, Signature Project, Structural Strengthening

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**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

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**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

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

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

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
Keywords: Adjacent Construction, Masonry-Brick, Nonlinear, Pipe, Soil-Structure Interaction, Vibration / Fatigue Analysis
**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

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**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

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**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
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

Columbia Generating Station, Seismic Probabilistic Risk Assessment

Richland, WA

Project Contacts: Philip Hashimoto, Mohamed Talaat

After the Fukushima Daiichi accident, the U.S. Nuclear Regulatory Commission (NRC) issued 10 CFR 50.54(f), a letter requiring licensees to perform a re-evaluation of seismic hazard and take...

Services: Structural Investigation

Markets: Nuclear

Keywords: Nuclear Facility, Seismic Probabilistic Risk Assessment (PRA), Seismic Walkdown
Lowden State Park, Indian Statue

Oregon, IL

Project Contacts: Peter Babaian, Jared Brewe

Designed by Lorado Taft, the Indian stands on a high bluff in Lowden State Park as a tribute to Native Americans. The 50 ft figure, dedicated in 1911, is composed of structural concrete with an...

Services: Materials Rehabilitation

Keywords: Art Work, Concrete, Concrete Mix Design, Historic, Preservation Technology

Bowdoin College, Whittier Field Support Building

Brunswick, ME

Project Contacts: Jason Der Ananian, Emily Hopps

Bowdoin College undertook a phased project to renovate the historic Whittier Field and Magee-Samuelson Track. In the second phase, the college constructed a new wood-framed, single-story support...

Services: Building Enclosure Design

Keywords: Athletic Field, Building Enclosure Commissioning, Commissioning, Field Testing, LEED Projects, Wood

Loyola University, Alfie Norville Practice Facility

Chicago, IL

Project Contacts: Matthew Johnson

Named for the wife of Loyola alumni and basketball player Al Norville, the Alfie Norville Practice Facility will offer state-of-the-art training spaces for the university’s athletes. The facility...

Services: Structural Design

Keywords: Athletic Field, Fasteners and Connections, Metal-Steel
4747 Bethesda Avenue
Bethesda, MD
Project Contacts: Bradford Carpenter, John Jackson

The JBG Smith’s new headquarters at 4747 Bethesda Avenue gets its signature look from two-story-tall unitized curtain wall panels and curved, textured, stainless steel, spandrel panels. The...

Services: Building Enclosure Design
Keywords: Curtain Wall, Office, Peer Review, Retail

Columbia Generating Station, Spent Fuel Pool
Newport Beach, CA
Project Contacts: Philip Hashimoto, Mohamed Talaat

After the Fukushima Daiichi accident, the U.S. Nuclear Regulatory Commission (NRC) issued 10 CFR 50.54(f), a letter requiring licensees to perform a reevaluation of seismic hazard and take further...

Services: Structural Investigation
Keywords: Nuclear Facility, Seismic Analyses, Seismic Walkdown, Soil-Structure Interaction

2100 K Street NW
Washington, DC
Project Contacts: Bradford Carpenter, John Jackson

The International Finance Corporation (IFC) needed more space to house their growing workforce and expanded their global headquarters building at 2100 K Street NW with a new nine-story addition....

Services: Building Enclosure Design
Keywords: Addition, Construction Administration, Curtain Wall, Peer Review
**Bangor Savings Bank Garage**

**Bangor, ME**

**Project Contacts:** Michael Bolduc, Sal Capobianco

Bangor Savings Bank was looking to consolidate their operations by constructing a new headquarters with a five-story office building and a four-story parking garage along the Bangor waterfront.

**Services:** Structural Design

**Keywords:** Concrete, Parking Structure

**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, Dormitory, 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