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

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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
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
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

Quantum Me and Quantum Dee Sculptures

IL

Project Contacts: Terrence McDonnell

Davis McCarty, a Chicago-based artist, exhibits his sculptures at museums, iconic buildings, and art festivals around the world. As part of Mayor Emanuel?s 50 x 50 Neighborhood Arts Project, the...

Services: Structural Design

Markets: Cultural

Keywords: Art Work, Cultural, Metal-Aluminum, Metal-Steel, Wind Loads
The Phillips Collection

Washington, DC

Project Contacts: Matthew Daw, Michael Zajac

The Phillips Collection opened in 1921. The four-story Georgian Revival residence was constructed in 1897 and is listed on the National Register of Historic Places. The museum wanted to upgrade...

Services: Structural Design
Markets: Cultural
Keywords: Equipment, Historic, Metal-Steel, Museum, National Register of Historic Places, Preservation Technology

Providence Public Library

Providence, RI

Project Contacts: Susan Knack-Brown

The Providence Public Library includes the original 1900 renaissance masonry building and the 1953 neoclassical Empire Street Addition. SGH investigated the condition of the building enclosures,...

Services: Building Enclosure Rehabilitation
Markets: Cultural
Keywords: Deterioration, Facade Inspection, Masonry-Brick, Metal, Metal-Copper, Preservation Technology, Roofing, Stone, Stone-Limestone, Water Leakage
House of the Future
Anaheim, CA
Project Contacts: Mehdi Zarghamee

In 1954, the Monsanto Chemical Company provided funding to Massachusetts Institute of Technology’s Plastics Research Laboratory to develop a futuristic house made of plastics. One goal was to...

Services: Materials Design, Structural Design
Markets: Cultural
Keywords: Exhibitions/Park Pavilions, Laboratory Testing and Analysis, Materials Analysis, Plastic/Composite, Research/Development, Signature Project, Thermal

China Pavilion Expo Milano 2015
Milan, Italy
Project Contacts: Matthew Johnson

Expanding on Expo Milano 2015’s theme, Feeding the Planet? Energy for Life, China Pavilion focuses on sustainability and coexistence of nature and city. The undulating roof structure appears to...

Services: Building Enclosure Design, Structural Design
Markets: Cultural
Keywords: Award Winning, BIM, Digital Fabrication, Heavy Timber, International, Long-Span Structure, Metal-Steel, Wood
Boston Society of Architects, Coopered Column at Urban Timber: From Seed to City

Boston, MA

Project Contacts: Matthew Johnson

The exhibition, Urban Timber: from Seed to City at the Boston Society of Architects (BSA) Space, was curated and designed by Yugon Kim and Tomomi Itakura. Kim and Itakura are principals at the...

Services: Structural Design
Markets: Cultural
Keywords: Art Work, Wood

Site Double, 2012 Venice Biennale

Venice, Italy

Project Contacts: Matthew Johnson, Paul Kassabian

Site Double, designed by Milligram-Office and commissioned for the 2012 Venice Biennale, translates the idea of a single-family house in Detroit (near the Architect's studio) to a Venetian gallery...

Services: Structural Design
Markets: Cultural
Keywords: Art Work, Exhibitions/Park Pavilions, Fasteners and Connections, International, Residential, Wood
Massachusetts Institute of Technology
Framework Pavilion

Cambridge, MA
Project Contacts: Matthew Johnson, Paul Kassabian

The Framework Pavilion, a temporary installation at MIT, was designed by Architecture graduate students, Robert White, David Moses, Barry Beagen, and Trygve Wastvedt. The students describes the...

Services: Structural Design
Markets: Cultural
Keywords: Art Work, Digital Fabrication, Wood Frame

Cleveland Museum of Art Roof Canopy

Cleveland, OH
Project Contacts: Matthew Johnson, Paul Kassabian

The Cleveland Museum of Art wanted to replace its deteriorating maintenance facility with a new one more suitable for the location adjacent to the main museum entrance. During the conceptual...

Services: Structural Design
Markets: Cultural
Keywords: Addition, Computational Design, Concrete, Museum, Slab
**The Petersen Automotive Museum**

Los Angeles, CA  
**Project Contacts:** Judson Taylor

Dedicated to demonstrating the art and innovation of the automobile, the Petersen Automotive Museum reopened after a year-long renovation as a building that is artwork in itself. The twenty-two...

**Services:** Building Enclosure Design  
**Markets:** Cultural  
**Keywords:** Award Winning, Building Science, Metal, Metal-Steel, Museum, Roofing, Thermal and Moisture Drive, Walls, Waterproofing

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**North Carolina Museum of Art, Smokestack Project**

Raleigh, NC  
**Project Contacts:** Matthew Johnson

As they planned for a multi-million dollar renovation to their 164-acre park, the North Carolina Museum of Art commissioned artist Jim Hodges to reinvent their existing smokestack as a permanent...

**Services:** Structural Design  
**Markets:** Cultural  
**Keywords:** Art Work, Chimney/Stack, Computational Design, Condition Assessment, Masonry-Brick
2015 Design Biennial Boston, Tectonics of Transparency: The Tower

Boston, MA

Project Contacts: Matthew Johnson, Paul Kassabian

Second in Cristina Parreño's Tectonics of Transparency series, The Tower was a temporary installation on the Rose Kennedy Greenway. To align with the exhibition's infrastructure heritage theme,...

Markets: Cultural

Keywords: Adhesives, Sealants, and Coatings, Art Work, Structural Glass, Temporary Structure

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Boston Society of Architects, Catenary Compression: The Tensile Vault at Bigger than a Breadbox, Smaller than a Building

Boston, MA

Project Contacts: Matthew Johnson, Paul Kassabian

The 2015 exhibition, Bigger than a Breadbox, Smaller than a Building, featured large-scale installations in the Boston Society of Architects (BSA) Space. SGH provided structural engineering and...

Services: Structural Design

Markets: Cultural

Keywords: Art Work, Fasteners and Connections, Temporary Structure, Wood
Boston Society of Architects, Microtherme at Bigger than a Breadbox, Smaller than a Building

Boston, MA

Project Contacts: Matthew Johnson, Paul Kassabian

The 2015 exhibition, Bigger than a Breadbox, Smaller than a Building, featured large-scale installations in the Boston Society of Architects (BSA) Space. SGH provided structural engineering and...

Services: Structural Design
Markets: Cultural
Keywords: Art Work, Concrete, Fasteners and Connections, Temporary Structure

Heart of Hearts Sculpture

New York, NY

Project Contacts: Paul Kassabian

To celebrate Valentine’s day, the Times Square Alliance invites architecture and design firms to submit entries for a public art installation. In 2016, the alliance selected Collective-LOK’s...

Services: Structural Design
Markets: Cultural
Keywords: Art Work, Award Winning, Fasteners and Connections, Metal-Aluminum, Wind Loads
Boston Society of Architects, Step 7: Our Fathers at Bigger than a Breadbox, Smaller than a Building

Boston, MA
Project Contacts: Paul Kassabian

The 2015 exhibition, Bigger than a Breadbox, Smaller than a Building, featured large-scale installations in the Boston Society of Architects (BSA) Space. SGH provided structural engineering and...

Services: Structural Design
Markets: Cultural
Keywords: Art Work, Digital Fabrication, Fasteners and Connections, Temporary Structure, Wood Frame

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
Additive World Design for Additive Manufacturing Challenge 2016

Eindhoven, C0

Project Contacts: Paul Kassabian

To promote three-dimensional (3D) printing advancements, Additive Industries launched Additive World Design for Additive Manufacturing Challenge. The 2016 challenge invited professionals and...

Services: Materials Design, Structural Design

Markets: Cultural

Keywords: Computational Design, Curtain Wall, Digital Fabrication, Metal-Steel

Metropolitan Museum of Art, Costume Institute Gala Exhibition

New York, NY

Project Contacts: Matthew Johnson

On display at the Metropolitan Museum of Art (the Met) from May to September, the Costume Institute’s 2016 exhibit examined the balance of creating fashion both by hand and with new technology. To...

Services: Structural Design

Markets: Cultural

Keywords: Design-Build, Digital Fabrication, Dome, Revit/BIM, Temporary Structure
Glass II at Milan Design Week 2017

Waltham, MA

Project Contacts: Arthur Davies, Paul Kassabian

Each year, il Salone del Mobile, more commonly known as Milan Design Week, features the latest in design. In 2017, The Mediated Matter Group at MIT Media Lab created Glass II for the Lexus YET...

Services: Materials Design, Structural Design

Markets: Cultural

Keywords: Art Work, Laboratory Testing and Analysis, Materials Testing for Design, Structural Glass

Harvard University, The Grove, We All

Allston, MA

Project Contacts: Paul Kassabian

In November 2016, the Harvard Graduate School of Design (GSD) announced an inaugural design-build competition for an installation in The Grove at the intersection of North Harvard Street and...

Services: Materials Design, Structural Design

Markets: Cultural

Keywords: Art Work, Laboratory Testing and Analysis, Materials Testing for Design, Plastic/Composite, Temporary Structure
10up Competition, Periscope

Atlanta, GA

Project Contacts: Matthew Johnson

Periscope was the winning entry in the 2010 10up Competition organized by the Young Architects Forum of Atlanta. Taking advantage of the competition parameters, SGH worked with Matter Design to...

Services: Structural Design

Markets: Cultural

Keywords: Art Work, Digital Fabrication, Plastic/Composite

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Menil Drawing Institute

Houston, TX

Project Contacts: Nick Floyd, Amy Hackney

Set on the thirty-acre Menil Campus, the Menil Drawing Institute is the first museum dedicated entirely to the art of drawing. In three distinct volumes the museum houses areas for study,...

Services: Building Enclosure Design

Markets: Cultural

Keywords: Award Winning, Below-Ground Waterproofing, Construction Administration, Museum, Peer Review, Roofing, Thermal and Moisture Drive, Walls, Waterproofing
**Symphony Park Sculpture**

Boston, MA

**Project Contacts:** John Thomsen

As part of Symphony Park’s redesign, the Boston Parks and Recreation Department collaborated with the Boston Art Commission and the Friends of Symphony Park to select Jacob Kulin to design a...

**Services:** Structural Design

**Markets:** Cultural

**Keywords:** Art Work, Digital Fabrication, Metal-Steel

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**Broad Contemporary Art Museum & Lynda and Stewart Resnick Exhibition Pavilion at LACMA**

Los Angeles, CA

**Project Contacts:** Christopher Decareau

Renzo Piano Building Workshop in collaboration with Gensler designed both the Broad Contemporary Art Museum (BCAM) and the Lynda and Stewart Resnick Exhibition Pavilion as part of the Los Angeles...

**Services:** Building Enclosure Design

**Markets:** Cultural

**Keywords:** Award Winning, Building Science, Museum, Signature Project, Stone, Thermal and Moisture Drive