

STRUCTURAL DESIGN

Structures that have **SPECIAL** and **COMPLEX** architectural features do not become remarkable with ordinary engineering. These projects require confident exploration of concepts to develop innovative design.



BOSTON HARBOR ISLANDS PAVILION

Boston, MA

Creative structural design and construction engineering for new Boston gateway

Architect: Utile, Inc.

Click [here](#) for more about this project.



J. PAUL LEONARD LIBRARY & SUTRO LIBRARY

San Francisco State University
San Francisco, CA

Structural and seismic engineering integrates existing and new library space

Architect: HMC Architects

Photo: David Wakely

Click [here](#) for more about this project.



LEVITT PAVILION AT STEELSTACKS

Bethlehem, PA

Collaborative structural design and building enclosure consulting for cantilevered stainless-steel-clad structure

Architect: Wallace Roberts & Todd

Click [here](#) for more about this project.



NEMOURS CHILDREN'S HOSPITAL

Orlando, FL

Integrated structural and building envelope design services for state-of-the-art pediatric medical campus

Architect: Stanley Beaman & Sears and Perkins+Will Joint Venture

Photo: Multivista

Click [here](#) for more about this project.



BLU HOMES

Various Locations

Structural engineering services for deployable pre-fabricated buildings

Architect: Blu Homes, Inc.

Photo: Blu Homes, Inc.

Click [here](#) for more about this project.



REGENTS HALL

Georgetown University
Washington, DC

Connection design compensates for varying ground conditions

Architect: Payette Associates, Inc.

Photo: Payette Associates, Inc.

Click [here](#) for more about this project.

TECHNICAL BRIEF

Digital Design, Coordination, and Delivery

by Matthew H. Johnson, P.E.

NEW SOFTWARE IN AN EVOLVING INDUSTRY

Methods for digital design, coordination, and delivery are prevalent in the building design and construction industry. As tools and knowledge evolve, new software applications continue to present themselves on a broad range of projects. Modeling software is especially relevant to designers of structures with complex geometry who recognize opportunities to optimize material quantities, improve coordination, and streamline execution.

[more \(PDF\)](#)



FIRM NEWS & NOTES

Don Dusenberry, Senior Principal, received the prestigious **2012 Walter P Moore Jr. Award**. The annual award is given by the Structural Engineering Institute (SEI) of the American Society of Civil Engineers (ASCE) in recognition of a structural engineer who has demonstrated technical expertise in, and dedication to, the development of structural codes and standards.

Kevin Moore joined SGH as a Principal in our San Francisco office. Moore has over 17 years of structural engineering experience. He specializes in design, evaluation, and facility development for the healthcare industry. Kevin previously served as principal and co-founder of Certus Consulting, Inc. (Certus). In hiring Mr. Moore, SGH merged Certus into its operations. Click [here](#) to read the complete press release.

The **White Block Gallery in Heyri, Korea** received a **2012 American Architecture Award** from the Chicago Athenaeum together with The European Centre for Architecture Art Design and Urban Studies. Last year the project received a **2011 Award for Design Excellence** from the Boston Society of Architects (BSA). White Block Gallery was designed by SsD Architecture.

Ron Hamburger, Senior Principal, was appointed **Chair of ASCE/SEI 7 Standards Committee** on Minimum Design Loads for Buildings and Other Structures.

Paul Kassabian, Senior Project Manager at SGH and lecturer at MIT, **released a structures app for the iPhone and iPad.** Available in app stores worldwide, **"Structures: a visual exploration"** features diagrams, animations, and interconnected comparisons to clearly express structural system concepts.

SGH opened a **new office location in Oakland, California.** The new location increases SGH's presence in the Bay Area and responds to the demand for services fueling the firm's steady growth in the region. The operation in Oakland works on a wide range of structural engineering and structural mechanics projects, including a significant concentration in marine structures. The office is located at 500 12th Street, Suite 270, Oakland, CA 94607.

SGH moved its downtown San Francisco location to 100 Pine Street, Suite 1600, San Francisco, CA 94111. The move is part of SGH's ongoing growth plan for the Bay Area's fourteenth Largest Engineering Firm (as compiled by the *San Francisco Business Times*).

UPCOMING EVENTS

SGH staff will present at the following events:

Designing for Moisture-Sensitive Flooring Finishes

14 May 2013

SGH, 1055 W. 7th Street, Suite 2500, Los Angeles, CA

Continuous Insulation and Combustibles in Exterior Walls: Code requirements for Fire Life Safety

21 May 2013

American Institute of Architects, San Francisco Chapter
130 Sutter Street, Suite 600, San Francisco, CA

Improving Energy Performance in Retrofit Building Projects

22 May 2013

SGH, 19 W. 34th Street, Suite 1000, New York, NY

Building Enclosure Sustainability Symposium & Sustainable Buildings Conference (BESS-SB13)

24 - 25 June 2013

Kellogg West Conference Center & Hotel, Pomona, CA

SIMPSON GUMPERTZ & HEGER

Engineering of Structures
and Building Enclosures

Simpson Gumpertz & Heger Inc. (SGH) is a national engineering firm that designs, investigates, and rehabilitates structures and building enclosures. Our award-winning work encompasses building, nuclear, transportation, water/wastewater, and science/defense projects throughout the United States and in more than 30 other countries.

SGH has offices in Boston, Los Angeles, New York City, San Francisco, and Washington, D.C. For more information, please visit www.sgh.com.

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