

**GEOFF R. MALTESE, P.E. (CA), LEED™ AP BD+C**  
 CEO, SENIOR PRINCIPAL



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**Education**

University of Waterloo, Waterloo, ON,  
 Canada

B.A.Sc. in Civil Engineering, 2010  
 Specialty in Structural Engineering  
 Specialty in Building Science  
 Option in Management Sciences

**Experience**

Simpson Gumpertz & Heger Inc.,  
 Building Enclosures/Building Science  
 Engineering Consultant  
 Tremco,  
 Design & Engineering Specialist  
 Simpson Gumpertz & Heger Inc.,  
 Building Enclosures/Building Science  
 Engineering Consultant  
 PCL Civil Southeast,  
 Field Engineer  
 PCL Constructors, Inc.,  
 Assistant Superintendent

**Professional Registrations**

Professional Engineer (Civil)

**Other**

LEED™ BD+C AP, USGBC

**Professional Activities**

- American Society of Civil Engineers
- Building Enclosure Council / NIBS
- RCI / IIBEC
- ASHRAE
- NRCA

Geoff is a dynamic engineering professional who is client-focused and strives to develop close working relationships for effective project execution and repeat future clients. With a unique and extensive background in multiple areas and types of construction, Geoff brings a different perspective to problem-solving throughout design and construction providing effective solutions to complex situations. Geoff specializes in buildings with high-performance requirements such as major event facilities, museums, laboratories, and hospitals.

**Presentations**

- G. Maltese, “Air Barriers and Effectively Designing for Budget and Building Performance”
- G. Maltese, C.P. Decareau, O. Vlgea, “Updates to California Energy Code and CalGreen Requirements”
- G. Maltese, and O. Vlgea, “Understanding the 2013 California Energy Code”
- G. Maltese, “Project Closeout and Development of Maintenance Manual for Optimized Building Enclosure Performance”
- G. Maltese, “Drawing Development and Drafting,” and “Construction Administration and Construction Safety”
- G. Maltese, “Developing a Complete Waterproofing System for Integration with Existing Structures”

**Representative Projects**

*Projects noted as “entire building enclosure” typically include roofing (and skylights, where applicable), below-grade waterproofing, above-grade wall assemblies, fenestration, and balcony and plaza decks.*

**Design Consulting and Construction Administration (CA)**

*Building Enclosure - Commercial and Multi-Family Residential*

- 1001 Van Ness, San Francisco, CA. (Client: Related California; Building enclosure design including product specifications, detailing, and construction administration/monitoring.)
- 1500 Mission, San Francisco, CA. (Client: Related California; Field engineering and site observations of transitions and atypical conditions.)
- Academy Square on Vine, Hollywood, CA. (Client: Architect; Above-grade and roofing design review and construction administration.)
- Sunset Las Palmas Studios, Hollywood, CA. (Client: Architect; Above-grade and roofing design review and construction administration.)
- 437 S Hill St, Los Angeles, CA. (Client: Contractor; Below-grade waterproofing consulting and construction administration)
- Villages of Santa Monica, Santa Monica, CA. (Client: Owner; Entire building enclosure design consulting and CA of high-end condominium.)
- Columbia Square, Hollywood, CA. (Client: Architect; Entire building enclosure design consulting for historic building restoration and construction of 6 new buildings.)
- Baha’i Temple, Santiago, Chile. (Client: Architect; Building enclosure design consulting for complex architectural temple including curved glass and stone facade, curtain wall.)
- Boulevard 6200, Hollywood, CA. (Client: Owner; Entire building enclosure consulting and construction administration for four large, five-story apartment buildings.)
- State Compensation Insurance Fund, Santa Ana, CA. (Client: Owner; Investigation, design development, and CA of wall and curtain wall repair details for maintenance purposes.)
- Hope Street Family Center, Los Angeles, CA. (Client: Architect; Design review of new commercial building.)
- El Camino College, Los Angeles, CA. (Client: Architect; Building enclosure design assistance including product recommendations, specifications, detailing, and revision review.)
- 515 S Figueroa, Los Angeles, CA. (Client: Architect, Contractor; Plaza waterproofing design consulting.)
- Apex 2, Los Angeles, CA. (Client: Architect, Contractor; Plaza waterproofing design assistance including product recommendations, detailing, and construction monitoring.)

*Building Enclosure - Wood-framed Construction*

- 1601 Mariposa Apartments, San Francisco, CA. (Client: Owner; Entire building enclosure design consulting, construction administration, and construction management for three luxury apartment buildings.)
- Villas at Bair Island, Redwood City, CA. (Client: Owner; Investigation of water entry and waterproofing repair design for elevated decks and cement plaster walls.)
- Torrey Ridge Apartments, San Diego, CA. (Client: Owner; Waterproofing repair design and CA for elevated decks and cement plaster walls.)
- Estancia Luxury Apartments, Irvine, CA. (Client: Owner; Investigation of water entry and waterproofing repair design for elevated decks and cement plaster walls.)
- Archstone Seattle, Seattle, WA. (Client: Owner; Investigation of exterior water entry, development of repair designs, and CA during repairs of elevated decks and EIFS walls.)
- South Park, Los Angeles, CA. (Client: Owner, Contractor; Review proposed design and construction monitoring of horizontal waterproofing systems.)
- 836 N Sierra Bonita, West Hollywood, CA. (Client: Design-Build Contractor; Building enclosure design assistance including product recommendations, specifications, detailing, and revision review.)

#### *Building Enclosure - Museum and Archives*

- Packard Film Archive and Preservation Center, Santa Clarita, CA. (Client: Architect; Entire building enclosure design review and CA for film archives and museum space.)
- Academy of Motion Picture Arts and Sciences, Los Angeles, CA. (Client: Architect; Entire building enclosure restoration and new theater design consulting for historic building on LACMA campus including theaters and museum spaces.)
- BROAD Art Museum, Los Angeles, CA. (Client: Architect; Entire building enclosure design consulting and CA for high-profile art museum.)
- UCSB Davidson Library Addition and Renewal, Santa Barbara, CA. (Client: Architect; Entire building enclosure peer review for existing library and addition.)
- Menil Drawing Institute, Houston, TX. (Client: Architect; Entire building enclosure design consulting building with sensitive museum and archive space.)
- Marciano Art Gallery, Los Angeles, CA. (Client: Owner; Building enclosure rehabilitation design consulting on existing church to be converted to art gallery.)

#### *Building Enclosure - Hospital and Laboratory*

- Wadsworth Center Laboratories, Albany, NY. (Client: Owner; Leak investigation and repair design of an air plenum and curtain wall light well below a plaza deck and reflecting pool.)
- San Gorgonio Memorial Hospital, Banning, CA. (Client: General Contractor; Entire building enclosure peer review and CA of new hospital building.)
- Leslie L. Dan Pharmacy Building, Toronto, ON. (Assistant Project Superintendent with PCL Constructors Inc.; Construction administration during original construction of thirteen-story university building with suspended steel classrooms.)

#### *Stone Cladding Rehabilitation*

- Swan Street Building, Albany, NY. (Client: Owner; Rehabilitation of marble cladding and green roof design. 1000 ft long, marble-clad building constructed in the 1960s.)
- Cultural Education Center, Albany, NY. (Client: Owner; Investigation of attachment failure of structural rehabilitation design for exterior marble cladding panels.)
- 75 State Street, Boston, MA. (Client: Owner; Investigation, observation, documentation, and repair design of granite cladding panel attachments.)

#### *Infrastructure*

- 1-4/SR-408 Freeway Interchange, Orlando, FL. (PCL Civil SE; Design of temporary shoring and work structures, quality assurance, and construction monitoring during concrete and steel bridge construction.)

### **Thermal, Hygrothermal, and Energy Modeling**

- Round Hill Aquatic Complex, Loudoun County, VA. (Client: Architect; Thermal analysis of proposed wall, roof, and windows systems for a natatorium.)
- Menil Drawing Institute, Houston, TX. (Client: Architect; Thermal and hygrothermal analysis of proposed above-grade and below-grade wall assemblies for museum space.)
- Academy of Motion Picture Arts and Sciences, Los Angeles, CA. (Client: Architect; Thermal and hygrothermal analysis of proposed wall systems for theaters, archives, and museum.)
- Menil Drawing Institute and Archives, Houston, TX. (Client: Architect; Thermal and hygrothermal analysis of proposed wall systems for the exhibit and museum storage space.)
- Packard Film Archive and Preservation Center, Santa Clarita, CA. (Client: Architect; Thermal and hygrothermal analysis of proposed wall systems for film archives and museum.)
- Lake Toxaway Residence, Lake Toxaway, NC. (Client: Architect; Design consultation, thermal modeling, and hygrothermal modeling of private lake house.)

## Thermal, Hygrothermal, and Energy Modeling *(continued)*

- Children's Hospital of Boston, Boston, MA. (Client: Architect; Thermal modeling of complex glass curtain wall atrium.)
- Del Mar Plaza, Del Mar, CA. (Client: Architect; Thermal and hygrothermal modeling of existing and new building enclosure for a new building and energy-efficient retrofit.)
- University of California, Berkeley, Eshleman Building, Berkeley, CA. (Client: Architect; Hygrothermal modeling of wall systems in a new classroom and office building.)
- La Quinta Hotels, Fort Lauderdale and Miami, FL. (Client: Attorney / Owner; Design consultation and hygrothermal modeling of existing and proposed wall systems.)
- California State University Channel Islands, Camarillo, CA. (Client: Architect; Hygrothermal modeling of proposed wall systems for classrooms and sensitive laboratory space.)
- California State University Riverside, Riverside, CA. (Client: Architect; Hygrothermal modeling and analysis of proposed roof assemblies over lightweight structural concrete.)

## Investigation

### *Building Enclosure - Commercial and Multi-Family Residential*

- State Compensation Insurance Fund, Bakersfield, CA. (Client: Owner; Observations, testing, and documentation of architectural deficiencies and water leakage.)
- Amtrak Station, Van Nuys, CA. (Client: Owner; Observations, testing, and documentation of architectural deficiencies and water leakage for building maintenance purposes.)
- Legado Apartments, Legado, CA. (Client: Owner; Observations, testing, repair recommendations, and construction administration for below-grade leak repairs via grouting.)
- Del Mar Corporate Plaza, Del Mar, CA. (Client: Prospective Owner; Observations and water testing for purchasing due diligence.)
- Staybridge Suites and Holiday Inn, Anaheim, CA. (Client: Owner; Water testing of windows and PTAC unit penetrations for litigation purposes.)
- Trinity Church, Santa Barbara, CA. (Client: Owner; Investigation of water leakage in historic church.)
- Harvard Sherman Fairchild Building, Cambridge, MA. (Client: Owner; Investigation of existing IGU windows and design consulting for window replacement. Project investigator.)

### *Building Enclosure - Wood-framed Construction*

- Stoneybrook Apartments, Orlando, FL. (Client: Attorney / Owner; Observation, investigation, and documentation of architectural deficiencies and water leakage.)
- Cupertino Condominiums, Cupertino, CA. (Client: Attorney / HOA; Observation and investigation of condominium units for construction litigation purposes.)
- Granite Park Condominiums, Pasadena, CA. (Client: Owner; Water testing of windows and penetrations.)

## Structural and Material Analysis

- Confidential, Boston, MA. (Client: Owner; Material testing of failed glass-fiber reinforced polymer gas tanks. Project Investigator.)
- Cambridge Water Treatment Plant, Cambridge, MA. (Client: Owner; Investigation and material testing of failed 36 in. pipe components for litigation support.)
- Norman Cole Pollution Control Plant, Fairfax County, VA. (Client: Owner; Investigation and modeling of failed waste processing unit.)
- Confidential, New York, NY. (Client: Owner; Investigation of structural steel components in the collapse of a 47-story office building.)