

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

Falcon Enclosure Consulting, Inc. (FEC),
Building Enclosures/Building Science
Engineering Consultant
Tremco,
Design & Engineering Specialist
Simpson Gumpertz & Heger Inc. (SGH),
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. Vlaga, “Updates to California Energy Code and CalGreen Requirements”
- G. Maltese, and O. Vlaga, “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

Select projects illustrating work on a variety of projects types. Work is focused on the building enclosure which typically includes roofing (and skylights, where applicable), below-grade waterproofing, above-grade wall assemblies, fenestration, and balcony and plaza decks. All projects are with Falcon Enclosure Consulting unless otherwise noted.

Design Consulting and Construction Administration (CA)

Building Enclosure - Commercial and Multi-Family Residential

- Sawtelle Campus Office Building, Los Angeles, CA. (Client: Gensler; Building enclosure design including product specifications, detailing, and construction administration/monitoring.)
- Tasman East – Residential Tower, Santa Clara, CA. (Client: Related California; Building enclosure design including product specifications, detailing, and construction administration/monitoring.)
- Tasman East – Atria, Santa Clara, CA. (Client: Related California; Building enclosure design including product specifications, detailing, and construction administration/monitoring.)
- 1001 Van Ness Atria, 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.)
- 6344 Fountain, 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.)
- Santa Monica Doubletree Suites, Santa Monica, CA. (Client: JN+A; Existing skylight investigation, replacement recommendations and design.)
- Columbia Square, Hollywood, CA. (SGH, Client: Architect; Entire building enclosure design consulting for historic building restoration and construction of 6 new buildings.)
- Boulevard 6200, Hollywood, CA. (SGH, Client: Owner; Entire building enclosure consulting and construction administration for four large, five-story apartment buildings.)
- State Compensation Insurance Fund, Santa Ana, CA. (SGH, Client: Owner; Investigation, design development, and CA of wall and curtain wall repair details for maintenance purposes.)

Building Enclosure - Wood-framed Construction

- Mason on Mariposa (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. (SGH, Client: Owner; Investigation of water entry and waterproofing repair design for elevated decks and cement plaster walls.)

- Torrey Ridge Apartments, San Diego, CA. (SGH, Client: Owner; Waterproofing repair design and CA for elevated decks and cement plaster walls.)
- Estancia Luxury Apartments, Irvine, CA. (SGH, Client: Owner; Investigation of water entry and waterproofing repair design for elevated decks and cement plaster walls.)
- Archstone Seattle, Seattle, WA. (SGH, Client: Owner; Investigation of exterior water entry, development of repair designs, and CA during repairs of elevated decks and EIFS walls.)
- INclave, Marina Del Rey, CA. (Client: West Builders; Redesign fenestration details for new window system and provide field engineering to supplement construction documents.)
- Cypress 1641 Lincoln, Marina Del Rey, CA. (Client: West Builders; Redesign fenestration details for new window system and provide field engineering to supplement construction documents.)
- 10,300 Venice Boulevard, Culver City, CA. (Client: Conroy Development; Review construction for installation and sequencing issues, provide field engineering, and repair recommendations.)
- Fairfax Apartments, Beverly Hills, CA. (Client: Conroy Development; Review construction for installation and sequencing issues, provide field engineering, and repair recommendations.)

Building Enclosure - Museum and Archives

- Packard Film Archive and Preservation Center, Santa Clarita, CA. (SGH, 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. (SGH, 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. (SGH, Client: Architect; Entire building enclosure design consulting and CA for high-profile art museum.)
- UCSB Davidson Library Addition and Renewal, Santa Barbara, CA. (SGH, Client: Architect; Entire building enclosure peer review for existing library and addition.)
- Marciano Art Gallery, Los Angeles, CA. (SGH, 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. (SGH, Client: Owner; Leak investigation and repair design of an air plenum and curtain wall light well below a plaza deck and reflecting pool.)
- San Geronio Memorial Hospital, Banning, CA. (SGH, 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. (SGH, 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. (SGH, Client: Owner; Investigation of attachment failure of structural rehabilitation design for exterior marble cladding panels.)
- 75 State Street, Boston, MA. (SGH, Client: Owner; Investigation, observation, documentation, and repair design of granite cladding panel attachments.)

Thermal, Hygrothermal, and Energy Modeling

- Round Hill Aquatic Complex, Loudoun County, VA. (SGH, Client: Architect; Thermal analysis of proposed wall, roof, and windows systems for a natatorium.)
- Menil Drawing Institute, Houston, TX. (SGH, 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. (SGH, Client: Architect; Thermal and hygrothermal analysis of proposed wall systems for theaters, archives, and museum.)
- Packard Film Archive and Preservation Center, Santa Clarita, CA. (SGH, Client: Architect; Thermal and hygrothermal analysis of proposed wall systems for film archives and museum.)
- Lake Toxaway Residence, Lake Toxaway, NC. (SGH, Client: Architect; Design consultation, thermal modeling, and hygrothermal modeling of private lake house.)
- Children's Hospital of Boston, Boston, MA. (SGH, Client: Architect; Thermal modeling of complex glass curtain wall atrium.)
- Del Mar Plaza, Del Mar, CA. (SGH, Client: Architect; Thermal and hygrothermal modeling of existing and new building enclosure for a new building and energy-efficient retrofit.)
- La Quinta Hotels, Fort Lauderdale and Miami, FL. (SGH, Client: Attorney / Owner; Design consultation and hygrothermal modeling of existing and proposed wall systems.)
- California State University Channel Islands, Camarillo, CA. (SGH, Client: Architect; Hygrothermal modeling of proposed wall systems for classrooms and sensitive laboratory space.)
- California State University Riverside, Riverside, CA. (SGH, Client: Architect; Hygrothermal modeling and analysis of proposed roof assemblies over lightweight structural concrete.)

Investigation

Building Enclosure - Commercial and Multi-Family Residential

- The Waverly Condominiums, Santa Monica, CA. (Client: Related California; Direct investigation and water testing, design repairs, and verification of successful repairs.)
- Acama Villas, North Hollywood, CA. (Client: Acama Villas HOA; Investigate existing water intrusion issues, design repairs and remediation, and review completed repairs.)
- Oakland Towers, Pasadena, CA. (Client: HOA; Investigate existing water intrusion issues and prepare repair recommendations for contractor to use.)
- State Compensation Insurance Fund, Bakersfield, CA. (SGH, Client: Owner; Observations, testing, and documentation of architectural deficiencies and water leakage.)
- Amtrak Station, Van Nuys, CA. (SGH, Client: Owner; Observations, testing, and documentation of architectural deficiencies and water leakage for building maintenance purposes.)
- Legado Apartments, Legado, CA. (SGH, Client: Owner; Observations, testing, repair recommendations, and construction administration for below-grade leak repairs via grouting.)
- Del Mar Corporate Plaza, Del Mar, CA. (SGH, Client: Prospective Owner; Observations and water testing for purchasing due diligence.)
- Staybridge Suites and Holiday Inn, Anaheim, CA. (SGH, Client: Owner; Water testing of windows and PTAC unit penetrations for litigation purposes.)
- Trinity Church, Santa Barbara, CA. (SGH, Client: Owner; Investigation of water leakage in historic church.)
- Harvard Sherman Fairchild Building, Cambridge, MA. (SGH, Client: Owner; Investigation of existing IGU windows and design consulting for window replacement. Project investigator.)

Building Enclosure - Wood-framed Construction

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