



Paul Murray

MS, PE

Senior Managing Engineer

Department

Engineering Services

Tel: (415) 375-5268

Email: paul.murray@yaeservices.com

Locations

San Francisco, CA

Biography

Paul Murray is Registered Professional Engineer (Civil) with 16 years of experience in forensic engineering and design, including evaluations pertaining to construction defects, structural failures, building enclosures, water intrusion, foundation assessments, and damage from extreme weather events and other natural disasters (e.g. hurricanes, tornados, earthquakes, fires, etc.).

Credentials

- MS | Master of Science
- PE | Professional Engineer

Representative Consulting Assignments

- Highrise Condominium Evaluations - Hurricane Michael | Panama City Beach, FL | Hurricane | Evaluation of damage to various high-rise condominium buildings from Hurricane Michael including structural damage, interior moisture intrusion, and exterior roofing and cladding damage (utilization of drone for exterior inspection)
- Apple, Inc. / Apple Campus 2 | Cupertino, CA | Evaluation of remedial work and water mitigation efforts by the general contractor and associated subcontractors (\$4-5 million claim) following storm-related damage sustained to the construction site of the new Apple campus
- Gestamp Windfarm Structural Evaluation | Punta Lima, Puerto Rico | Hurricane | Evaluation of structural damage sustained to 12 wind turbines (including the foundations and built-up steel towers) during Hurricane Maria
- Salesforce / Transbay Terminal Structural Evaluation | San Francisco, CA | Evaluation of failed built-up, structural steel girders in a brand-new transportation terminal in downtown San Francisco
- Century Hill Association, Concrete Podium Collapse | Los Angeles, CA | Structural/Collapse | Evaluation of a collapse reinforced concrete podium slab, as part of a multiple story residential complex over a single story subterranean parking structure
- New Hotel, Construction Defect Evaluation | Sacramento, CA | Construction Defect | Evaluation of alleged construction defects, primarily regarding exterior building envelope and glazing systems at a 6 story, brand-new hotel building in downtown Sacramento
- Napa / American Canyon Earthquake | Napa County, CA | Earthquake | Evaluation of commercial, residential, healthcare and medical office structures for damage sustained from a magnitude 6.0 earthquake in American Canyon, California (Napa area)
- Red Mountain Group, Roof Collapse Evaluation | Dublin, CA | Structural/Collapse | Evaluation of structural damage sustained to the roof framing system of a Joanne's craft store, including determination of cause, extent of damage and repair recommendations

Professional Experience

- 2022 - Current | Senior Managing Engineer | YA Engineering Services
- 2010 - 2022 | Principal Consultant / Senior Project Engineer | Envista Forensics
- 2007 - 2010 | Structural Project Engineer | DCI Engineers
- 2006 - 2007 | Project Intern | Opus West
- 2004 - 2006 | Engineering Intern / Design Engineer | Curry Price Court

Area of Practice

- Building Code Upgrade Review
- Building Envelope
- Condition Assessment
- Damage Assessment
- Earthquake Engineering
- Failure Analysis
- Historic Preservation
- Infrared Thermography
- Litigation Support
- Marine Structures
- Non-Destructive Testing
- Repair and Rehabilitation Design
- Roofing
- Seismic Evaluations and Retrofit Design
- Seismic Risk Assessment
- Structural Analysis
- Water Leakage Testing and Analysis

Education

- University of California - Master of Science - Civil Engineering (Structural) - Davis - California
- California Polytechnic State University - Bachelor of Science - Architectural Engineering - San Luis Obispo - California

Affiliations

- Structural Engineers Association of California (SEAOC)
- American Society of Civil Engineers (ASCE)

Licenses

- 75743 - Arizona - Civil Engineer
 - 52403 - California - Civil Engineer
 - 41379 - Colorado - Civil Engineer
 - 82506 - Florida - Civil Engineer
 - 15333 - Idaho - Civil Engineer
 - 40065 - Louisiana - Civil Engineer
 - 28919 - Montana - Civil Engineer
 - 21443 - Nevada - Civil Engineer
 - 23046 - New Mexico - Civil Engineer
 - 28152 - Oklahoma - Civil Engineer
 - 88058 - Oregon - Civil Engineer
 - 111941 - Texas - Civil Engineer
 - 9490813-2202 - Utah - Civil Engineer
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- 50336 - Washington - Civil Engineer