

JASON H. ALBRIGHT, P.E.

Vice President



Summary

Jason (Jake) Andrew is a Vice President in Thornton Tomasetti's San Francisco office with twelve years of experience working with existing buildings. As a structural engineer in the Forensics practice, Jake leverages his investigative and analytical skills to find solutions to a wide array of building problems. His areas of focus include damage assessment, causation analysis, stabilization, and repair design. He communicates technical opinions through the issuance of expert reports on a wide array of disputes, including but not limited to construction / design defect and standard of care.

Areas of Technical Expertise

- Insurance Consulting
- Litigation Support
- Emergency Response
- Adjacent Construction

Education

- M.S., Structural Engineering, 2012, University of Southern California
- B.S., Civil Engineering, 2012, University of Southern California

Registrations

- Licensed Professional Engineer in CA, FL, NY, WA, and SD

Select Papers, Lectures and Publications

"A Textbook Case: Wind Failure of an Insulated Tank on Alaska's North Slope and Review of Recent Changes to ASCE 7," ASCE Forensic Engineering 9th Congress, Denver, CO, November 6, 2022 (co-author and co-presenter)

"Environmental Loading on Temporary Structures Based on the 2014 NYC Building Code," ASCE Forensic Engineering 7th Congress, Miami, FL, November 15-18, 2015 (primary author and presenter)

CONTACT

Jason (Jake) Albright, P.E.
235 Montgomery Street, Suite 1050
San Francisco, CA 94104
415.365.6900
JAndrew@ThorntonTomasetti.com
www.ThorntonTomasetti.com

Select Project Experience

Emergency Response

Roof Collapse, Brookville, NY. Forensic investigation to determine the cause of the collapse of a below grade roof structure during construction on behalf of the owner. Project incorporated materials testing data and progressive collapse analysis methods to model the collapse as precisely as possible.

International Paper, Prattville, AL. Emergency response and stabilization services following an explosion at a paper mill. Consisted of deconstruction of the failed tank and design of temporary structures to expedite the facility's return to service.

Formwork Investigation, New York, NY. Forensic investigation to determine the cause of a formwork failure during construction of a residential property. Included reviewing the installation of formwork and special inspection logs, as well as on-site review of the reinforced concrete structural elements for general conformance to the design drawings.

221 West 17th Street, New York, NY. Emergency stabilization, deconstruction engineering, scaffolding, monitoring and on-site services related to the design and planning of stabilization work and the partial building deconstruction following a fire event during construction at the site.

West 37th Street, New York, NY. Emergency stabilization and forensic investigation of an existing underpinning collapse during new underpinning operations.

Property Loss Consulting

CAT Ian Response, Fort Meyers, FL. Evaluation of several properties following named storm Ian in the Fort Meyers area. Assessments included review of cladding for wind damage and potential water infiltration from flood and wind-driven rain.

Yacht Club Wind Loss, Greater Sacramento Area, CA. Evaluation of the extent of damage to a light-gauge steel structure following a wind event. Included evaluation of the demolition necessary to remove the affected elements.

*Denotes work performed with previous employer.

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Napa Residence, Napa Valley, CA. Evaluation of the extent of wildfire damage to a steel frame structure with reinforced concrete shear walls.

Health Clinic, Seattle, WA. Investigation to determine the cause of water infiltration at the façade of a wood-frame building. Included exploratory openings, code upgrade analysis, prospective repairs, and review of construction documents related to the remediation.

Warehouse, Salt Lake City, UT. Evaluation of earthquake damage to a 100-year-old warehouse. Included evaluation of the building's varied lateral systems (steel frame, mass masonry, CMU), prospective repairs, and code upgrade review.

Condominium, Pensacola, FL. Post-hurricane damage evaluation of a 17-story reinforced concrete, ocean-front property. Included rapid deployment, evaluation of over 200 units, and review of prospective repair scope provided by the owner's engineer.

40 Prince Street, New York, NY. Insurance consulting services regarding the cause and extent of damage to an existing building during adjacent construction activity on behalf of the contractor's insurer.

Broadway Theater Investigation, New York, NY.* Cause and origin investigation regarding property damage to a historic Broadway theater as a result of adjacent construction activity on behalf of the subcontractor's insurer.

Construction Support

Commercial Development, Wheaton, MD. Condition assessments of properties adjacent to a large commercial development. Included review of subgrade construction work on behalf of the contractor, evaluation of alleged damage due to construction activities, and prospective repair scope.

Atlantic Yards, Brooklyn, NY. Protection and monitoring plans for existing historic and non-historic properties adjacent to construction site. The 22-acre site has various buildings with a mixture of construction and foundation types surrounded by buildings built in the 1800s through the early 1900s. The area includes two historic districts and multiple landmark buildings.

Demolition Engineering

Atlantic Yards, Demolition, Brooklyn, NY. Engineering services and on-site work related to planning, engineering and building deconstruction of a 6-story timber building and a 4-story reinforced concrete building. Included evaluation and analysis of key aspects of the current as-built conditions to review the adequacy of both the gravity and lateral designs as they related to the means and methods of demolition and for compliance to local, state and federal codes.

Consulate of Turkevi, New York, NY. Deconstruction engineering services for the removal of two buildings on behalf of the owner. Included evaluation and analysis of the as-built conditions to review the adequacy of both the gravity and lateral designs as they related to the means and methods of deconstruction for compliance to local, state and federal codes.

Litigation

Highway Bridge, HI. Owner-side defense against a claim of differing site conditions. Project included reviewing the structural design and evaluating soil-structure interaction based on the Project geotechnical parameters and site-specific conditions encountered during construction.

Parking Garage, Bay Area, CA. Owner-side plaintiff support relating to an \$80M claim for resultant damages from ongoing water infiltration into the subgrade areas of a reinforced concrete parking structure. Project involved reviewing hydrostatic pressures and the impact on subgrade structural elements.

Subgrade Utility Investigation, Mission Bay, San Francisco, CA. Litigation support and repair design for buried utilities impacted by ongoing settlement. Scope included evaluation of a construction defect claim by observing site conditions after the failures occurred, reviewing progress photos during construction, and performing laboratory testing to evaluate capacities of installed elements.

Light Rail Expansion, MA. Plaintiff-side support on behalf of the Contractor regarding the EOR's performance in relation to standard of care. Project included reviewing track alignment, sitework, and impact to adjacent properties.

Rail Bridge, Bay Area, CA. Litigation support on behalf of a public entity. Included evaluating multiple bridge designs and their conformance with AREMA requirements and other applicable codes. Review focused on seismic and hydrology requirements.

Airport, WA. Defense support on behalf of the Contractor regarding a \$20M delay claim. Evaluated applicable codes and weld criteria, as well as the roles and responsibilities of relevant parties under a design-build contract with a design-assist agreement.

Pedestrian Bridge, WA. Plaintiff-side support on behalf of the Contractor. Evaluated the Engineer of Record's performance in relation to standard of care and the impact on fabrication and erection delays over an active rail line.

Stadium, NY. Defense support on behalf of the Fabricator. Included evaluation of the structure's Seismic Load Resisting System, impacts to connection design, and the roles and responsibilities of relevant parties under a design-assist agreement.