

James A. Gillette, P.E.

Curriculum Vitae

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Education: B.S.E. in Civil and Environmental Engineering, Arizona State University
1998

Summary of Capabilities:

- Design of residential and light commercial projects of wood framed construction and supported by concrete foundations.
- Concrete foundation design including post-tensioned slab on grade.
- Design of concrete and CMU cantilevered and restrained basement walls.
- Design of concrete and CMU retaining wall site structures.
- Design of signs, poles and entry monument structures and foundations.
- Create and review general structural notes and details for wood framed and HercuWall (concrete) structures.
- New construction inspections.
- New construction value engineering.
- Residential foundation distress evaluations.
- Review and knowledge of building codes.
- Review of prefabricated wood roof and floor trusses for compliance to construction documents.
- Review of prefabricated HercuWall shop drawings for compliance to construction documents.
- Review of steel shop drawings for compliance to construction documents.
- Third party peer review.
- Construction defect analysis.
- Review and common knowledge of building codes.
- Teach Arizona Building Officials changes to building codes.

Professional Licenses: Licensed Professional Engineer, State of Arizona seal #44697
Licensed Professional Engineer, State of Colorado seal #42296
Licensed Professional Engineer, State of New Mexico seal #17896
Licensed Professional Engineer, State of Florida seal #68642
Licensed Professional Engineer, State of Illinois seal #062-063092
Licensed Professional Engineer, State of Indiana seal #11012382
Licensed Professional Engineer, State of Michigan seal #57889
Licensed Professional Engineer, State of Ohio seal #75350
Licensed Professional Engineer, State of Nevada seal #26021
Licensed Professional Engineer, State of North Carolina seal #050540
Licensed Professional Engineer, State of South Carolina seal #37650

Professional Organizations:

Professional Member: American Society of Civil Engineers
Professional Member: Structural Engineers Association of Arizona
Professional Member: Post-Tensioning Institute

Teaching Assignments:

Instructor – Grand Canyon Chapter of Arizona Building Officials – 2018 IRC Wood Wall Bracing provisions – February 2018

Instructor – Arizona Building Officials Structural Engineering Classes Annual Spring/Fall Education Institute - 2018 – Present

Guest Lecturer – Arizona State University Wood Design Class (CEE423) – 2020 - Present

Work History:

- Felten Group, Inc. - March 2001 To Present
- Bingham Engineering - January 1999 to February 2001
- City of Phoenix - June 1998 to August 1998

I joined Felten Group in March of 2001 as Project Manager. Currently I serve as Vice President of Engineering. In my role as Vice President of Engineering, I am responsible for development of detailing, general structural notes and design procedures and practices for multiple markets. I am responsible for the design, coordination, peer review and completion of residential projects for many builders in Arizona (Phoenix and Tucson), Nevada and New Mexico. I oversee and train staff engineers and draftsmen. I have worked on some light commercial projects and I am familiar with current codes. I am familiar with wood framed structures, retaining walls, post-tensioned foundation systems, and masonry structures. I have provided structural inspections for residential projects. I have conducted numerous forensic investigations on wood framed houses in the Phoenix metropolitan area.

From January of 1999 to February of 2001 I worked for Bingham Engineering. I was responsible for the design, coordination and completion of residential homes for Ryland Homes and Pulte Homes of Phoenix and Tucson, including oversight of other engineers, draftsmen and other support staff. I worked on some light commercial projects, and residential projects in Arizona and Nevada. I am familiar with wood framed structures, retaining walls and post-tensioned foundation systems. I became familiar with masonry structures.

I worked for the City of Phoenix from June of 1998 to August of 1998 as a structural codes and plans review intern with the Development Services Department. I analyzed structural designs to ensure compliance with the 1994 UBC, including performing calculations and interpreting construction documents.