J. MICHAEL ARAMBEL, P.E.

EDUCATION:

B.S. in Civil Engineering, Northern Arizona University, 2006

REGISTRATION:

Licensed Professional Engineer in Arizona

EXPERIENCE:

Structural Engineer, Knott Laboratory, LLC, February 2021 to Present
Project Manager, Felten Group, Inc., Phoenix, Arizona, September 2011 to September 2020
Project Manager, Frost Structural Engineering, Inc., Prescott, Arizona, January 2007 to August 2011

INVESTIGATIVE ENGINEERING:

Mr. Arambel has experience analyzing and assessing existing structural conditions and providing structural designs for future additions. He has also performed site visits to resolve construction issues and design solutions of on-going construction projects. Mr. Arambel has performed special inspections for concrete foundations, masonry retaining walls, and epoxy anchors.

ENGINEERING AND CONSTRUCTION EXPERIENCE:

Mr. Arambel has over 14 years of experience as a structural design engineer on residential and commercial projects, including luxury homes, townhomes, and office buildings. The scope of work for these projects consisted of determining applicable loads for the project and designing the structural systems and elements to resist those loads in accordance with applicable building codes. Mr. Arambel has design experience using a variety of building materials, including masonry, wood, reinforced concrete, and structural steel. Mr. Arambel has collaborated with a variety of professionals such as architects, contractors, and owners at all stages of the construction process, providing solutions for a wide array of issues.

FAILURE ANALYSIS:

Mr. Arambel's experience with engineering design and construction administration, from a conceptual stage to final building inspections, has given him a unique understanding of construction processes, enabling him to readily identify sources of civil and structural failures. At Knott Laboratory, Mr. Arambel conducts structural evaluations and failure analysis on a wide range of residential and commercial structures, building envelopes, and civil systems. Mr. Arambel's practical experience enables him to accurately identify a wide variety of structural problems and failures as well as design repairs or improvements as necessary.