

Joe Mattson | Forensic Structural Engineer, PE

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Professional Summary:

Mr. Mattson is a forensic structural engineer with over 7 years of experience. Responsibilities include the structural engineering design support of commercial, residential, and industrial structures with experience in various market sectors including but not limited to office, hospitality, education, retail, religious, and medical. Performed structural layout, design, coordination, and observation. Serve as a supporting staff inspector on commercial and residential structural framing and foundation inspections. Design experience with various building materials including masonry, wood, steel, and concrete on various foundation types including shallow foundations, aggregate piers, piles, mat, and waffle slabs.

Licenses and Certifications:

Professional Engineer, State of Arizona, #80446
Professional Engineer, State of Tennessee, #125213
Professional Engineer, State of Mississippi, #32885
Professional Engineer, State of Louisiana, #0047483
Professional Engineer, State of Arkansas, #21223
Professional Engineer, State of Alabama, #PE52286
Professional Engineer, State of Florida, #96008
Professional Engineer, State of Missouri, #2023010039
Professional Engineer, State of North Carolina, #059192
Professional Engineer, State of South Dakota, #17200

Project Experience:

Alliance Healthcare Services Wellness Center, Memphis, TN

Designed and drafted civil and structural engineering for wellness center providing comprehensive behavioral health care for both acute care patients and outpatients, as well as evaluations for placement in other treatment centers. The two-story, structural steel framed, 54,500-sq. ft. facility is comprised an emergency entrance, outpatient clinic space, administrative area, 15 crisis-stabilization unit patient rooms, support spaces, and associated parking lot.

The Lake District, Lakeland, Tennessee

Structural design and drafting of the \$400M mixed use development which includes multiple retail structures and wood framed multifamily building bearing on a post-tension concrete podium supported on concrete columns and walls

Conwood Phase 1 & 2, Memphis, Tennessee

Structural redevelopment of existing blighted buildings into a \$50M, 138 apartments and 65,000 square foot headquarters. Phase 2 is a \$61M, six story phase with 420 parking garage, 10,900 square foot of commercial space, and 292 apartments. The building is wood framed apartment units bearing on shallow concrete foundations supported on aggregate piers on a post tension concrete podium.

The Residences at Thornwood, Germantown, Tennessee

Structural design support and drafting of the 17-acre \$70M mixed use development which included a 251-unit wood framed multifamily building bearing on a post-tension concrete podium supported on concrete columns and walls

Flats at Pond Gap, Knoxville, Tennessee

Structural design support and drafting of the \$22M multifamily development with 102 wood framed apartment units bearing on shallow concrete foundations supported on aggregate piers.

Hermitage Flats, Nashville, Tennessee

Structural design support and drafting of the \$25M multifamily development with 267 wood framed apartment units bearing on post-tensioned slab-on-grade foundations.

Lakeland Commons, Lakeland, Tennessee

Structural design support and drafting of the \$42M mixed use multifamily development with 150 wood framed apartment units bearing on structural steel girders and columns with a slab-on-grade foundations.

Museum Lofts, Memphis, Tennessee

Structural design support and drafting of the \$9M multifamily development with 68 wood framed apartment units bearing on column supported post-tensioned podium with aggregate pier supported shallow 18" south ma foundations.

Professional Experience:

Davis Patrikios Criswell, Incorporated, Structural Engineer, August 2015 - 2021
Crawford and Cummings P.C., Surveying Crew Member, May 2015 – August 2015

Education:

Bachelors of Science in Civil Engineering, Christian Brothers University, Memphis, TN, 2017