

Resume

Violeta Tihova, PE, SE

Profile:

Violeta is a structural engineer with over 22 years of progressive experience in the fields of structural design and plan review. Her work involved structural plan review of high-rise buildings, temporary shoring of underground parking levels, post-tension slabs and seismic retrofit projects in Seattle. She has performed structural design and plan review of residential and commercial buildings in Las Vegas, Nevada, Seattle, Washington and Phoenix, Arizona. As structural plan examiner, some of her projects include Aliante Station Hotel & Casino, North Las Vegas, a mixed-used building complex consisting of a 9-story high-rise hotel tower and low-rise casino podium; Deer Springs Town Center, North Las Vegas, a 700,000 square foot retail campus; UNEV Pipeline end terminal; Bio-Diesel of Las Vegas new facility and GE Transportation warehouse.

Employment history:

Present

Fine Tuned Structures, LLC - Principal

Former

Silver State Code Consulting, Inc. -	Vice President
GP Engineering Inc. -	Structural Plans Examiner
Bernard, Johnson, Young, Inc. -	Structural Department Head
Energoproekt Inc -	Structural Engineer

Education:

University of Architecture and Civil Engineering

Sofia, Bulgaria; Faculty of Civil Engineering

B. Sc. Degree in Structural Engineering

(Structural Engineering Major)

Selected Projects:

Main structural plan review projects:

- **New City Hall, North Las Vegas, NV** –a 9-story office building consisting of steel frame structure and reinforced concrete shear walls.
- **Aliante Station Hotel & Casino, North Las Vegas, NV** –a 9-story high rise hotel consisting of reinforced concrete frame structure with shear wall cores and low-rise casino incorporating special steel moment frame system.
- **Meadows Hospital, North Las Vegas, NV** – 6-story reinforced concrete frame structure with shear wall cores and mat foundation and adjacent 3-story parking garage with PT slabs.
- **Mesa View Hospital, Mesquite, NV** – 3-story steel frame structure with composite deck floor diaphragms.
- **Fiesta Rancho Ice Arena, North Las Vegas, NV** – new steel frame structure of the ice arena founded on 14 feet high retaining walls adjacent to existing casino.
- **Wal-Mart Superstore, Elko NV** – new 203,000 sq. ft. expansion of existing store

- **Washburn Police Station, North Las Vegas, NV** – irregular structure incorporating CMU walls and structural steel frames.
- **Fifth & Bell Office Building, Seattle, WA** – 6-story building with 3 underground parking levels, reinforced concrete frame structure with shear wall lateral system. Plan review of all phases including temporary shoring of excavations.
- **The Perry, Seattle, WA** – high-rise building with 3 underground parking levels, reinforced concrete structure with shear wall core. Plan review of all phases including temporary shoring of excavations.
- **Columbia Café, Seattle, WA** – mixed use occupancy existing URM/HT building subject to seismic rehabilitation.
- **Spring Hill Suites, Seattle, WA**–residential building incorporating reinforced concrete and wood structures.
- **Amazon.com Building, Seattle, WA** – new parking garage, 5-story reinforced concrete structure with post-tension slabs.
- **Home Depot, Tucson, AZ** – retail building incorporating reinforced masonry and structural steel systems.
- **Bertuccio Bldg, Phoenix, AZ** - office building incorporating reinforced masonry and wood roof diaphragm.

Main structural design projects:

- **National Center for Agricultural Research, Central Wing Renovation, Peoria, IL** – design of new 6-story stair tower with structural steel moment frames and composite decks.
- **National Institute of Health, Renovation of Building 6 and 6C, Bethesda, Maryland** – design of new 3-story reinforced concrete frame structure and underground utility vault. Supervised structural design and coordinated with other disciplines.
- **Screwworm Rearing Facility, Pacora, Panama** – design of industrial structure with reinforced concrete bearing walls and structural steel roof framing.

Professional registrations and membership:

- Registered structural engineer in the states of Nevada and Washington
- Member of the Structural Engineers Association of Southern Nevada (SEASoN), Chair of Membership committee
- Member of the American Institute of Steel Construction (AISC)