

November 6, 2018

PROFESSIONAL EXPERIENCE

Paragon Structural Engineering, LTD.

Staff Structural Engineer (March 2017 – Present) **Graduate Structural Engineer (July 2015 – March 2017)**

As Staff Structural Engineer for Paragon Structural Engineering, LTD. (PSE), Mr. LeBel leads a technical staff of graduate engineers, project managers, and field technicians in the structural design and forensic investigation of planned and existing structures. Mr. LeBel's structural design services include analysis and engineering of large, custom single-family residences, and low-rise commercial facilities, utilizing a variety of building materials including dimensional lumber, engineered wood products, rolled steel, CMU, and cast-in-place concrete. Mr. LeBel's design projects include the following types of structural systems: conventional/post-tensioned slab-on-grade foundation systems, conventionally reinforced elevated foundation systems, pier-and-beam elevated foundation systems, wood and steel superstructures. Mr. LeBel also performs construction phase observations of the aforementioned structural systems to verify design compliance. Projects also include performing design of remedial work for the aforementioned types of structural systems. Mr. LeBel has performed engineering designs for hundreds of residential and low-rise commercial structures.

Mr. LeBel's structural forensic services include investigations concerning soil-structure interactions, performance of structural systems, evaluations of building envelopes, and determination of cause, origin, and extent of peril damage. Soil-structure interaction assessments include claims relating to design, construction, and historic/current site effects, and moisture source influences. Structural system assessments include claims relating to patent or latent design and construction issues. Building envelope assessments include claims relating to roof coverings, veneers, flashing, and weather resistive barriers. Peril assessments include claims relating to tornado damage, earthquakes, explosions, fire damage, and vehicle-structure collisions. Mr. LeBel performs site investigations and devises protocols for site-specific investigative tests that may include relative elevation surveys, geotechnical borings, geophysical resistivity surveys, ground-penetrating radar surveys, groundwater monitoring, water chemical analysis, test pit excavations, material strength tests, and water application/infiltration tests. His typical projects include single-family residences and multi-family apartment/condominium complexes, as well as retaining walls, screen walls, and swimming pools.

As a Graduate Structural Engineer for PSE, Mr. LeBel performed structural design services. Mr. LeBel's structural design services included analysis and design of large, custom residential and low-rise commercial structures utilizing a variety of building materials including dimensional lumber, engineered wood products, rolled steel, and cast-in-place concrete. He designed roofs, ceilings, floor systems, walls, beams, columns, lateral-force resisting systems, and associated connections. In addition to superstructures, he designed elevated foundation systems of either pier-and-beam or concrete slab as well as conventionally reinforced and post-tensioned slab-on-grade foundation systems. Mr. LeBel also performed construction phase inspections to verify plan compliance. He conducted limited site investigations to provide consulting for issues such as foundation movement, and proposed remodels/additions. While at PSE, Mr. LeBel passed the NCEES Principles and Practice of Engineering exam and became a licensed Professional Engineer in the State of Texas.

Servinsky Engineering, PLLC

Project Engineer (September 2012 – July 2015)

As a Project Engineer for Servinsky Engineering, PLLC (Servinsky), Mr. LeBel performed structural design services. Mr. LeBel's structural design services included analysis and design of agricultural and commercial structures utilizing a variety of building materials including dimensional lumber, steel, tensioned fabric, engineered wood products, and cast-in-place concrete. He designed roofs, walls, truss systems, beams, columns, lateral-force resisting systems, and associated connections. In addition to superstructures, he designed foundation systems of piers or concrete retaining walls. Mr. LeBel designed and analyzed the components of the frame and foundation system for photovoltaic systems. Mr. LeBel also performed forensic investigations on residential structures, as well as pre-design consultations on site.

NICOLAS C. LEBEL, P.E.
Staff Structural Engineer
nicolas@pseglobal.com



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PROFESSIONAL LICENSES

State of Texas	Professional Engineer # 25984
State of Oklahoma	Professional Engineer # 30045
NCEES National Registration	Professional Engineer # 13-401-63

EDUCATION

Michigan State University (East Lansing, MI)
Bachelor of Science in Civil Engineering, 2012

PROFESSIONAL CERTIFICATIONS AND TRAINING

ATC-45: Safety Evaluation of Buildings after Windstorms and Floods, Applied Technology Council (ATC)
Building Envelope Trained (BET-1), Building Envelope Science Institute
Building Envelope Certified (BEC-2), Building Envelope Science Institute
Commercial Roofs Inspector, Haag
Concrete Field Testing Technician - Grade 1, American Concrete Institute
Ladder Safety (Single, Extension, Articulated, and Step), American Ladder Institute
Model Law Engineer, National Council of Examiners for Engineering and Surveying (NCEES)
Residential Roofs Inspector, Haag
Rope and Harness for Steep Roof Slopes, Safety Services Company
Wind Damage Inspector, Haag
Wind Storm Inspector, Texas Department of Insurance (TDI)

PROFESSIONAL ASSOCIATIONS

Building Envelope Science Institute

PROFESSIONAL LECTURES, SEMINARS, PRESENTATIONS, AND TRAINING AS A PRESENTER

Building Envelopes - On-Site Training and Education: Windsor Homes - September 20, 2017

EXPERT WITNESS DESIGNATION

This curriculum vitae shall not be used for expert witness designation unless an authorized proposal has been executed with this firm.