

Patrick M. McGuire, P.E., S.E.  
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Professional Licenses: Kentucky, Indiana, Ohio, Michigan, Illinois (SE, PE), Iowa, West Virginia, Mississippi, Louisiana, Missouri, Colorado, New Mexico, Wisconsin, Pennsylvania, Massachusetts, Maryland, NCEES

June 2008 to March 2011: Senior Design Engineer  
NTA, Inc., 305 N. Oakland Ave., Nappanee, IN

Duties: Providing structural engineering consulting services to a variety of clients and mentoring younger engineers.

September 2006 to June 2008: Modular Professional Engineer, Dutch Housing  
Champion Enterprises, LaGrange, IN 46761

Duties: Structural calculations for single family, multifamily residential and light commercial buildings, including review and certification of drawings prepared from my calculations.

April 1979 to September, 2006: Vice President of Building Services  
Borkholder Buildings & Supplies, LLP  
Nappanee, IN 46550

Duties: Complete design and management responsibility for pre-engineered and custom designed post-frame and stud framed buildings. Design of metal plate connected wood trusses and other wood structural components. Design of foundations for pre-engineered steel frame buildings and coordination with steel building suppliers. Engineer-of-Record on building projects which included submittals to the Building Authorities. Developed pricing, engineering and drafting software.

1984 to 2006: Private Consulting Practice

Duties: Provided structural calculations and certified prints for HUD code and modular houses as well as manufactured commercial units. My clients included most of the major manufacturers.

October 1977 to April 1979: Structural Engineer  
Geupel Architects & Engineers  
Indianapolis, IN

Duties: Provided general structural engineering on low-rise commercial and industrial buildings.

May 1974 to October 1977: Design Engineer  
American Air Filter  
Louisville, KY

Duties: Structural design of large air pollution control equipment including electrostatic precipitators, bag-houses and scrubbers.

Professional Affiliations: Member American Society of Civil Engineers  
Past President - Wood Truss Council of America  
Former Committee Member Truss Plate Institute  
Former Committee Member American Society of Biological and Agricultural Engineers  
Past Chair Technical & Research Committee, National Frame Builders Association  
Professional Member American Wood Council  
Professional Associate APA, Engineered Wood Assoc.

Technical Articles: *Non-Structural Plan Review of Post-Frame Buildings*, WoodBits, Building Safety Journal, December, 2006. (Dr. Frank Woeste co-author)  
Many others

Contributing Author: *Metal Plate Connected Wood Truss Handbook*, Wood Truss Council of America, 1992  
*Post-Frame Building Design Manual*, National Frame Builders Association, 2000.

Professional Awards: Rural Builder Hall of Fame, 2000  
National Frame Builders Association Bernon G. Perkins Award, 2006

Education: B.S., University of Louisville, With Honors, 1973  
M. Eng. C.E., University of Louisville, With Honors, 1974  
M.B.A., Bellarmine University, 1979