

Gary Frank | Sr. Structural Engineer, PE

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Professional Summary:

Mr. Frank has worked in the Architectural/Engineering design Industry since 1997 and has been a structural engineer since 2003. He has structural design experience in wood, concrete, and steel construction from small residential renovations to sport stadiums. Mr. Frank has designed projects in Atlanta, the District of Columbia, Maryland, Virginia, and Pennsylvania. He also has experience in design, construction administration, and building assessments.

Mr. Frank's construction related experience includes the International and BOCA building codes as well as the construction codes (current Editions): AISC Manual of Steel Construction; ACI 318 (Building Code Requirements for Structural Concrete); ACI 530 (Building Code Requirements for Masonry Structures); ASCE 7 (Minimum Design Loads for Buildings and Structures); Manual of Engineered Wood Construction; National Design Specifications (NDS) for Wood Construction.

Additionally, Mr. Frank has work experience with Insurers, Building Owners, Developers, Architects, General Contractors, Mechanical/Electrical Engineers, Civil Engineers, Federal/State/Local Authorities, Permitting Officials, and Construction Managers. Areas of expertise are:

- Wind and hail damage assessments
- Building Impact assessments
- Water infiltration and building envelope evaluations and assessments

Licenses and Certifications:

State of Maryland Professional Engineer's License #33389

State of Delaware Professional Engineer's License #18686

District of Columbia Professional Engineer's License #PE907174

Commonwealth of Pennsylvania Professional Engineer's License #PE080905

Commonwealth of Virginia Professional Engineer's License #051933

Project Experience:

Washington Nationals Baseball Stadium - Washington, DC Design and Construction Administration

Design and construction administration of the concrete structural members including inspecting and providing recommended repairs to concrete honeycombing issues.

Mount Pleasant Neighborhood Library - Washington, DC
Design and Construction Administration

Renovation and addition of a historic three-story concrete and masonry bearing wall library. Reviewed the existing building to determine if it will meet current code standards. Designed and detailed the new addition along with details for renovation of the existing structure.

Merrill Residence - Bangor, PA
Tree Impact Investigation

Investigated the reported damage to a residential house from a tree impact. Determined the extent of damage from the tree impact. Provided repair details in accordance with current design codes for the damaged wood roof trusses.

Williams Village Condo - Newark, DE
Fire Loss Investigation

Investigated the structural damage to a residential townhouse from a fire. Determined the extent of damage from the fire from the subject townhouse and adjacent townhouses that were affected by the smoke. Investigated current codes to determine code upgrade requirements due to the renovations needed from the fire damage.

Tuck Residence - Philadelphia, PA
Water Infiltration Investigation

Investigated the structural damage to a residential townhouse from water infiltration. Determined the source of the water infiltration and recommended repair procedures.

Rolling Brook Retaining wall - Woodbridge, VA
Concrete Retaining Wall Design

Design of concrete retaining wall with deep foundations (drilled piers) to stabilize a deteriorating wood retaining wall adjacent to a residential apartment building. Coordination with geotechnical and civil engineers for complete design and construction documents.

Reid Residence - Hyattsville, MD
Hail Damage Investigation

Investigated the roof of the subject property to determine if, and to what extent, hail impacted the subject property and determine if there was any related wind damage to the building.

Professional Experience:

EFI Global, Inc., Columbia, MD, Senior Structural Engineer; 2011 - present

ReStl Designers, Gaithersburg, MD, Structural Engineer; 2003 - 2009;
Project Manager; 2009 - 2011

Pond and Company Architects/Engineers, Atlanta, GA, Architect; 2000 - 2003

The Ogram Partnership, Atlanta, GA, Intern Architect; 1997 - 2000

Education:

Master of Science, Civil Engineering, Georgia Institute of Technology, Atlanta, GA 2002

Bachelor of Architecture, Architecture, Ball State University, Muncie, IN 1997