

WOODS • PEACOCK

ENGINEERING CONSULTANTS





STRUCTURAL EXCELLENCE
WOODS • PEACOCK
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Woods • Peacock is dedicated to providing prompt, accurate, practical, and cost effective building design solutions that are constructible and sustainable.

Woods • Peacock Engineering Consultants, Inc., a women-owned small business (WOSB), providing structural engineering and project management services for clients across the United States and worldwide.

Our firm emphasizes quality engineering, team collaboration, and service that exceeds our clients' expectations. We take pride in providing meticulous and cost-effective building design solutions in a timely and responsive manner.

Services include:

- New Design
- Renovation
- Addition
- AT / FP and Physical Security
- Progressive Collapse / Blast / Seismic
- Historic Renovation and Preservation

The Woods • Peacock team works in the following markets:

- Government
- Aviation
- Education
- Healthcare
- International

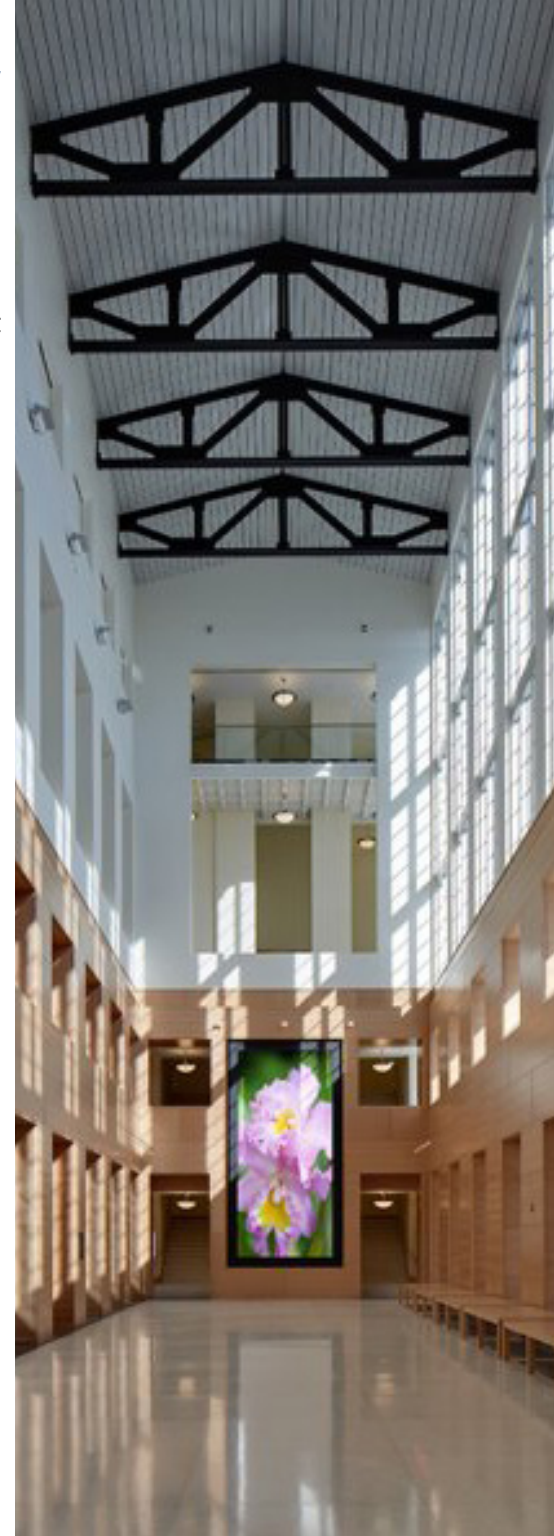




Photo courtesy of MWAA/Project Journey

FIRM OVERVIEW

Our team has an in-depth understanding of antiquated structural systems, materials, and construction techniques once used in building design as well as the experience in designing and detailing state of the art structural building and foundation systems that are in use today.

Woods • Peacock incorporates new innovative systems and design approaches when they are appropriate for the project and budget.

Our firm, as a successor firm to one of the oldest structural engineering firms in Metropolitan Washington, is proud of the reputation that we have built over the years and we will continue to focus on excellence in structural engineering while developing long-lasting partnerships.



Over the past decade Woods • Peacock has produced between 100 and 200 projects annually. These projects, whether stand-alone or task order type, vary in size from small residential evaluations and repairs, to large permanent building projects with construction costs in excess of \$250 million. Many of these projects have been completed as task orders under various types of indefinite quantity contracts.

Our team has worked directly, as both a prime and a consultant, with agencies including; NAVFAC, USACE, US Air Force, Department of State, Department of Homeland Security, Department of Justice, Department of State Overseas Building Operations, FBI, GSA, DISA, Architect of the Capitol, Department of Labor, National Park Service and others. Locally, we have worked with municipal agencies such as City of Alexandria, Town of Herndon, Fairfax County, Prince William County, Alexandria City Schools, DC Public Schools, and MWAA. Quite often our role is as a sub-consultant to architects, engineering consultants, contractors, or construction firms.

AT/FP AND PHYSICAL SECURITY

Woods • Peacock has been providing physical security/force protection consultation since 1983, starting with the US Department of State, Office of Foreign Building Operations (FBO), working on Public Access Control (PAC) projects. Much of the work for the current Bureau of Overseas Building Operations (OBO) involves the design of perimeter security including compound access control (CAC) structures, guard booths, sally-ports, anti-climb/anti-ram walls, anti-climb fences, and anti-ram bollards and planters.

Anti-terrorism/Force Protection (AT/FP) is a large part of the services Woods • Peacock provides to the Department of Defense (DoD), implementing the Unified Facilities Criteria (UFC). We have significant experience implementing the UFC 4-010-01 DoD Minimum Antiterrorism Standards for Buildings. With the recent revisions to AT standards, we are now performing risk assessments that determine whether the minimum AT standards are sufficient and if not, define additional mitigation measures are required to provide the appropriate Level of Protection for the threat severity level identified in the assessment.

Projects for federal agencies other than DoS and DoD involve updating federal government facilities to bring them into compliance with the physical security standards, aligning with The Risk Management Process for Federal Facilities published by the Interagency Security Committee (ISC).





PROGRESSIVE COLLAPSE / BLAST / SEISMIC

The design of a building for progressive collapse is essential for multi-story buildings to reduce susceptibility for disproportionate collapse. Our team is experienced in providing progressive collapse designs for many government agency buildings required to conform to the progressive collapse criteria of the Unified Facilities Criteria (UFC) and the Inter-agency Security Committee (ISC). Woods • Peacock utilizes comprehensive software capable of performing non-linear dynamic analysis, which provides increased design efficiency and accuracy.

Our engineers have a complex knowledge and understanding of blast analysis and design. Woods • Peacock utilizes both commercially available blast design software and software available from the USACE Protective Design Center (PDC). Additionally, in the instance where there is a need to perform a seismic analysis of existing buildings, Woods • Peacock incorporates ASCE/SEI 41 is used to identify the deficiencies, if any, and seismic upgrades.



HISTORIC RENOVATION AND PRESERVATION

Since opening our doors, Woods • Peacock has worked on historic buildings, many of which are among the US National Register of Historic Places. Our team has completed surveys, renovations, restorations, alterations and repairs. Whether the goal of the project was historic façade preservation or conversion of the building's use, we have worked with the owners and team members to resolve the distinct challenges presented with each project. From renovations of buildings on military bases to 160 year old Smithsonian museums to centuries old walls in Rome, Italy, we are ready for the next challenging renovation and preservation project.

Some of our tasks have included:

- Restoration and strengthening of masonry and stone structures
- Duplication and underpinning of field stone foundations
- Restoration and rehabilitation of waterfront structures
- Needling and supporting historic facades during major renovations

Throughout our history, Woods • Peacock have worked with many federal, state, and local regulatory agencies which include the Commission of Fine Arts (CFA), the National Capital Planning Commission (NCPC), and the State Historic Preservation Offices (SHPO) in DC, Maryland, and Virginia.





QUALITY ASSURANCE

A key element of our corporate culture is to meet and exceed client expectations. Our quality assurance program provides guidance so our staff can produce contract documents that meet the standard of care expected in the structural engineering industry, thereby reinforcing and maintaining our corporate standards and reputation. Our program has several important components to ensure code compliance and confirm that we provide comprehensive and accurate structural design/calculations, coordinated and complete contract drawings, and specifications that incorporate our design intent. By following this program, Woods • Peacock is able to provide a high level of service and a quality product to our clients.



CODES

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541690
541350

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Small Business

Woman-Owned Small Business



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