

My full Résumé is also attached:

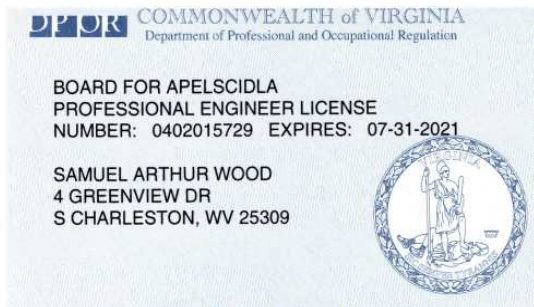
**Here is a copy of my
West Virginia
Professional Engineer License.**



**Here is a copy of my Pennsylvania
Professional Engineer License.**



**Here is a copy of my Virginia
Professional Engineer License.**



**Here is a copy of my Ohio
Professional Engineer License.**



**Here is a copy of my
West Virginia
Home Inspector Certification**



**Membership in the National Society
of Professional Engineers**



**Membership in the American
Society of Civil Engineers**



Updated as of August 1, 2019

SAMUEL ARTHUR WOOD, MSCE, PE

OFFICE ADDRESS

**Sam Wood Engineering, PLLC
4 Greenview Dr.
South Charleston, WV 25309
(304) 768-1518 FAX (304) 768-5470**

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OBJECTIVE

To excel in providing Timely, Quality, Impartial, and Professional **Forensic Engineering** Inspections of the physical structure and components of a home and commercial structure by a Registered Professional Engineer; Provide **Residential Structural Inspections** for structural stability & adequacy, Prepare structural repair designs when required, & provide repair oversight with final stamped PE letter; Provide **Expert Consultant Services** for potential litigation; and Provide **Commercial Inspections** Structural Inspections and Assessments. Inspect for **Permanent Foundations on Mobile Homes** to the standard provided by HUD's Permanent Foundation Guide for Manufactured Housing, dated Sept. 1996.
Work with the State of West Virginia Agencies to promote the Professionalism and Ethics of Registered Professional Engineers & Home Inspectors.

**EDUCATION-
UNIVERSITY**

- **Stanford University:** Stanford, Palo Alto, California 94305
Masters of Science in Civil Engineering, Jun-1980
Major: Civil Engineering
- **The Pennsylvania State University, University Park, Pennsylvania 16802**
Bachelors of Science in Mathematics; Minor: Biology Jun-1972
President: Student Government Association- 1970
Commander of ROTC Cadets: Rank of Cadet Lieutenant Colonel- 1970
Vice President: Organization of Student Governments- 1971
Skull & Bones Honor Society- Initiated 1972
- **The Pennsylvania State University, Ogontz Campus, Abington PA, 19001**
Associates Degree in Electrical and Electronical Technology, Jun-1969

PROFESSIONAL SKILLS & LICENSES

**Home Inspector
Professional
Engineer
Registration
(Since 1986)
Inspections
Licenses**

- West Virginia State Certification # HI15470848-0806**
- *West Virginia License # 11362; *Virginia License # 01529;
- *Pennsylvania License # 35076-E; *Delaware License # 9897;
- *Mississippi License # 12052; *Ohio License #58665
- *Louisiana License # 25838:
- Performed or Supervised over 16,500 Home & Structural Inspections**
- *General Engineering Contractor License #WV058638**
- *Licensed Real Estate Agent** since 1993 with status of Realtor. Currently on hold status. Affiliate member of the Kanawha Valley, Huntington, and Parkersburg (Wood County) Board Realtors Associations
- *Certified Residential Thermographer; CRT# 2019060709:**
The use of an Infrared Camera to detect the location of anomalies that may be from moisture intrusion, missing insulation, electrical & energy issues, and even pests, such as termites and bees, which the naked eye can't see.



PROFESSIONAL ORGANIZATIONS

Membership with the following organizations:



***First & Past President of “The West Virginia Association of Home Inspectors, WVAHI” 2001 thru 2003 & 2006-Charter & Founding Member with Membership WVAHI # 0001 ; Currently on the WVAHI Board of Directors**

***American Society of Home Inspectors, Inc.:**
ASHI Membership #115639; Since 1995

***National Society of Professional Engineers**

***American Society of Civil Engineers**

***The Kanawha Valley Board of Realtors**

***Home Builders Association of Greater Charleston**



National Society of Professional Engineers®



Environmental Equipment

***Fluke Infrared Camera*Carbon Monoxide Measurer (ppm)**

***Mold Vacuum Pump- Slide and Canister Sampler**

***Assorted Engineer Inspection (& Investigative) Equipment**

Environmental Training

***Class I-S Wastewater Treatment Plant Operator Certification from the State of WV.**

***Radon Testing and Mitigation Training- Let License Expire**

Home Inspection

Have been a Registered Professional Engineer Since 1995

Have been an American Society of Home Inspectors, ASHI, Certified Inspector Since 1996 & A Certified Home Inspector in West Virginia Since 2006 One of the first to be Licensed and Past President.

Qualifications

***ASHI (American Society of Home Inspectors) Certified Member # 115639 since 1996.**

***Four years as a US Army Corps of Engineers’ Director of Engineering and HOUSING within the U.S. Army at Aberdeen Proving Ground, Maryland, and the Third Infantry Division in Germany. Responsible for the new construction, maintenance, repairs and occupancy operations of more than 13,000 homes (housing unites). Homes ranged in age from the 1930s through the late 1980s**

***Approved by the Veterans Administration for Structural Inspections on VA loans**
***Certified by the U.S. Department of Housing & Urban Development as an approved 203(k) Plan Reviewer/Consultant and a Fee Inspector. # P1096**

PERSONAL

Family, Earned Eagle Scout Rank with the Boys Scouts of America in 1963, Woodworking, Scuba Diving, and College Football (West Virginia, Georgia Tech, Penn State & Stanford Universities).

MILITARY

See Details Below:

REFERENCES

Available upon request from Federal & State Governments and Professional References.

PRESENTATIONS:

WAHI- West Virginia Association of Home Inspectors, Flatwoods, WV; Feb 2019 ‘Crawl Space Foundation Defects Causes & Cures’ 2 hrs
WAHI- West Virginia Association of Home Inspectors, Charleston, WV; Feb 2016 ‘Foundation Defects Causes & Cures’ 3 hrs
Advantage Home Presentation, S. Charleston, WV; May 16, 2014; ‘Foundation & Crawl Space Defects, Recognition, Causes & Cures’ 7 Hrs
ASHI, American Society of Home Inspectors- Nashville, TN; Jan 2014; ‘Crawl Space Defects, Recognition, Causes & Cures’ 2 Hrs
ASHI, American Society of Home Inspectors- Las Vegas, NV; Jan 2013; ‘Foundation Defects Causes & Cures’ 2 Hours
ASHI, Northern Virginia State Chapter, Fairfax, VA; Oct-12; ‘Crawl Space Defects, Recognition, Causes & Cures’ 4 Hours
NAHI- National Association of Home Inspectors, Myrtle Beach, SC; Sep 2012 ‘Crawl Space Defects Causes & Cures’ 2 hrs
WAHI- West Virginia Association of Home Inspectors, Morgantown, WV; August, 2012 ‘Crawl Space Defects Causes & Cures’ 2 hrs
WAHI- West Virginia Association of Home Inspectors, Charleston, WV; Feb 2012 ‘Foundation Defects Causes & Cures’ 4 hrs
ASHI, Northern Virginia State Chapter, Fairfax, Va; Oct-11; ‘Foundation & Crawl Space Defects, Recognition, Causes & Cures’ 4 Hours
NAHI- National Association of Home Inspectors, Cincinnati, OH; Sep 2011 ‘Foundation Defects Causes & Cures’ 4 hrs
ASHI, Maryland State Chapter, Rockville, MD; Mar-11; ‘Foundation & Crawl Space Defects, Recognition, Causes & Cures’ 4 Hours
ASHI, Kansas State Chapter, Kansas City, KA; Sep-10; ‘Foundation & Crawl Space Defects, Recognition, Causes & Cures’ 4 Hours
Advantage Home Presentation, S. Charleston, WV; May 6 & 7, 2010; ‘Foundation & Crawl Space Defects, Recognition, Causes & Cures’ 7 Hours. & “The Residential Home Inspection & Inspector Certification per the West Virginia Rule, Title #87” Approved for Engineers, Architects, Lawyers, Realtors, Appraisers, & Home Inspectors
ASHI, American Society of Home Inspectors- Las Vegas, NV; Jan 2010; ‘Foundation Defects Causes & Cures’ 2 Hours
Advantage Home Presentation, S. Charleston, WV; May 18, 2009; ‘Foundation & Crawl Space Defects, Recognition, Causes & Cures’ 7 Hours. Approved for Lawyers, Realtors, Appraisers, & Home Inspectors
ASHI, American Society of Home Inspectors- Orlando, CA; Jan 2009; ‘Crawl Space & Floor Structures, Defects Causes & Cures’ 2 Hours
Advantage Home Presentation, S. Charleston, WV; May 16, 2008; ‘Foundation & Crawl Space Defects, Recognition, Causes & Cures’ 7 Hours. Approved for Lawyers, Realtors, Appraisers, & Home Inspectors
ASHI, Ohio State Chapter, Columbus, OH; March 08; ‘Mold, Radon, Lead Based Paint & Carbon Monoxide in the Home.’ 7 Hours
ASHI, Ohio State Chapter, Columbus, OH; Dec 13, 07; ‘Foundation & Crawl Space Defects, Recognition, Causes & Cures’ 7 Hours
ASHI, American Society of Home Inspectors, Anaheim, CA; Jan 2007; ‘Crawl Space & Floor Structures, Defects Causes & Cures’ 2 Hours
NAHI- National Association of Home Inspectors, Philadelphia PA; Sep 2006; ‘Foundation Defects Causes & Cures’ 2 hrs
World of Concrete, Las Vegas; Jan 2006; ‘Foundation Defects Causes & Cures’ 3 Hours
ASHI, Ft. Lauderdale; Jan 2006; ‘Foundation Defects Causes & Cures’ 2 Hours
ITA- Inspection Training Associates, Las Vegas; Oct 2005; ‘Crawl Space & Floor Structures, Defects Causes & Cures’ 2 hrs
NACHI, National Association of Certified Home Inspectors, Foundation Defects Causes & Cures 2 hrs
ASHI- Houston; Jan 2005; ‘Foundation Defects Causes & Cures’ 2 Hours
ITA- Inspectors Training Associates, Las Vegas; Oct 2004; ‘Foundation Defects Causes & Cures’ 2 hrs

PREVIOUS ENGINEERING

EXPERIENCE

Dec-2018 to PRESENT	Forensic, Civil, Facility, and Construction Management Engineering. Sam Wood Engineering, PLLC 4 Greenview Dr., S. Charleston, WV 25309 President: Self-employed as a Registered Professional Engineer performing Forensic engineering Structural Damage and Design Repairs Also, Expert Forensic Investigations for Legal & Insurance.
July-1995 to Dec-2018	Advantage Home & Environment Inspections, Inc. 4 Greenview Dr., S. Charleston, WV 25309 President: Self-employed as a Registered Professional Engineer performing engineering & environmental inspections on Residential & Commercial properties.
Nov-1994 to Jun-1995	Scott R. Smith Environmental Management Consultants, Inc. Main Street, Lexington, KY Operations Manager, West Virginia: Responsible for the establishment and operations of a new field office in the State of West Virginia for an Environmental Consulting firm.
Jul-1993 to Aug-1994	Rucker and Associates, Inc. (Out of Business) Senior Project Manager for Environmental Affairs : Managed the Development of numerous remediation work plans in excess of \$14 million and the concurrent on-site sampling confirmation protocols of contract work covered a four-state area for a major client in the oil and gas industry.
Mar-1993 Jun-1993	State of West Virginia, Department Environmental Protection, Greenbrier Street, Charleston, West Virginia 25301 Engineer I, Water Resources: Processed National Pollution Discharge Elimination System, NPDES, Permits to protect the waters of West Virginia.
Sep-1972 to Sep-1992	U.S. Army Corps of Engineers- Civil & Military Engineering Worldwide assignments: U.S., Germany, Honduras, & S. Korea Engineer Officer U.S. Army: Retired at rank of Lt. Colonel Managed engineer organizations of up to 650 personnel with annual budgets of \$102 million. Responsibilities included environmental compliance, facility engineering for major military installations; planning, design, construction management & leadership for battalion and regimental engineer commands in stateside and overseas assignments; and civil works construction management with the Corps of Engineers on the Upper Mississippi River. (See page #4 of the résumé for details.)

VETERAN

Vietnam Era and 50% Plus Disabled Veteran

STATUS

*Served on Active Duty with the US Army from September 1972 through September 1992- 20 years Active Duty. Retired with rank of Lt. Colonel.

MILITARY TRAINING:

ENGINEERING: ●Engineer Officer Basic Course ●Engineer Officer Advanced Course ●Command and General Staff College

SPECIAL TRAINING: ●Airborne School ●Jump Master School ●Ranger School ●Special Forces School ●Total Airborne and Skydiving (D-9256) Jumps 242

EXPERIENCE

Detailed Experience with the U.S. Army Corps of Engineers from rank of 2nd Lieutenant through Lt. Colonel.

U.S. ARMY

Jun-1991 to

Third Infantry Division Wurzburg, Germany

Jun-1992

Director of Engineering and Housing- Rank of Lt. Colonel

Facility Engineer responsible for Engineering/Housing plans, policy, budget, environment, design, construction and inspection support for 42 communities consisting of 5,928 buildings, and 11,900 housing units worth more than \$500 million with an annual budget of \$80 million. Directorate responsible for more than 1,500 military, civilian and contract personnel.

Oct-1988 to

Command Support Activity, Aberdeen Proving Ground US Army

Jun-1991

Aberdeen Proving Ground, Maryland 21005

Director of Engineering and Housing- Rank of Lt. Colonel

City Engineer responsible for all Facility Engineering and Housing in support of two major communities consisting of 72,000 acres of land, 2,077 buildings, 1,477 housing units. Annual budget exceeded \$102 million. Supervised 520 professional engineers and operational staff.

Oct- 1986 to

Construction Engineer Task Force #111, Honduras, Central America

Oct-1988

West Virginia Army National Guard, 111th Engineer Group

Construction Operations Officer- Rank of Major

Designed and managed construction of 15.5 Kilometers of road costing \$16 million through mountains in central Honduras. Construction force averaged 650 National Guard, Reserve, & Regular Army engineers/operators and 350 pieces of heavy construction equipment. 1.1 million cubic yards moved.

Aug-1983 to

U.S. Army Military Academy West Point, New York

Oct-1986

Associate Professor of Mathematics- Rank of Major

Taught Differential and Integral Calculus, and Matrix Algebra. Class loads averaged 12 credits for ten week semesters.

Jun-1980 to

Corps of Engineer District Rock Island Illinois

Aug-1983

Construction Engineer- Rank Captain

Responsible for construction inspection and quality control of an \$8.8 million levee flood control project protecting the International Harvester and John Deere factories on the Mississippi River, E. Moline Ill. Levee held in 93' Flood.

Jul-1978 to

2nd Engineer Group South Korea

Dec-1978

Construction Operations Officer

Responsible for the design and construction coordination for 2,000 engineer soldiers in two Engineer Battalions.

Jun-1977 to

A Company, 44th Engineer Construction Battalion Camp Mercer, South Korea

Jul-1978

Commander: Rank Captain

Commanded/Managed 205 engineer soldiers with more than 400 pieces of engineer equipment to include Rock Quarrying; asphalt placement; and heavy equipment construction support to the remaining battalion of 900 engineer soldiers.