

FORCON INTERNATIONAL

WILLIAM H. LYNE III , P. E.

EDUCATION

Virginia Polytechnic Institute and State University 1985 - Bachelor of Science, Civil Engineering
- Structural major.

University of Virginia 1977 - Bachelor of Arts

CONTINUING EDUCATION

Basics of Roofing, Roof Consultants Institute, 2001.

Blaster's Refresher Course, Central and S.W. VA Utility Contractors Association, 2003.

Accessibility & Multi-Family Housing, Virginia Society of the American Institute of Architects, 2005.

Details for Conventional Wood Frame Construction, PDH Center, 2005.

Fall Protection in Construction, PDH Center, 2005

Concrete Deterioration, PDH Center, 2005.

Retaining and Flood Walls, PDH Center, 2006.

Professional Liability, PDH Center, 2007.

Basement Wall Repair Using Grip-Tite Wall Anchors, PDH Center, 2007.

Building Insulation Basics, PDH Center, 2007.

PROFESSIONAL REGISTRATION

Professional Engineer- Commonwealth of Virginia #19950

Professional Engineer- State of Maryland #26604

Professional Engineer- State of West Virginia #14958

PROFESSIONAL SOCIETIES

National Society of Examiners for Engineering and Surveying, #19823

Virginia Society of Professional Engineers

Roof Consultants Institute

Lynchburg Claims Association

FORENSIC INVESTIGATION EXPERIENCE

Blasting and drilling damage investigation

Bridge damage investigation

Building Code compliance

American Disabilities Act compliance

Chimney failures

Civil forensic engineering investigation

Construction cost evaluation

Cracking in masonry and concrete foundation walls

Fire damage investigation
Floor system failures
Foundation wall failures
Hail damage investigation
Hurricane damage investigation
Insect damage investigation
Roof system failures
Sewer system failures
Structural forensic engineering investigation
Retaining wall failures
Tornado damage investigation
Timber construction failures
Vibration damage investigation
Wall failures
Water damage investigation
Water leaks in foundation walls and roofs
Water system Failures
Wind damage investigation

STRUCTURAL DESIGN EXPERIENCE

Mr. Lyne has been responsible for structural steel design, structural wood design and structural concrete and reinforced concrete design for industrial, commercial and residential projects. Included in these projects are the structural designs for building foundations, square footings, continuous footings, building walls, building floor systems, floor beams, floor joists, cantilever beams, roof systems, roof rafters and columns. Also included is the design of the necessary bolting, nailing and fastening associated with these projects. As a professional engineer, Mr. Lyne has been responsible for structural quality control and plan certification. In addition, he has been responsible for making all necessary agency applications and for processing the plans through those agencies in order to obtain agency approval.

SITE DEVELOPMENT EXPERIENCE

Mr. Lyne has been project engineer responsible for developing civil engineering plans for industrial, commercial and residential sites. These plans include cost estimates for bonding public improvements, siltation and erosion control, grading plans, stormwater management and road plan and profiles. Also included are sanitary sewer profiles, waterline profiles, storm sewer profiles, roadway cross sections and related hydrologic and hydraulic calculations. As a professional engineer, Mr. Lyne has been responsible for plan quality control and plan certification. In addition, he has been responsible for making all necessary agency applications and for processing the plans through those agencies in order to obtain the required permits.

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ENGINEERING INSPECTION EXPERIENCE

Mr. Lyne has been responsible for soil inspections, concrete inspections, steel inspections, foundation inspections, site inspections and building inspections for industrial, commercial and residential projects. These inspections included but were not limited to performing soil bearing tests, soil compaction tests using a nuclear moisture-density tester, determining maximum soil density by performing Proctor tests, performing soil sieve analysis, concrete slump tests, concrete compression tests, steel beam and bolt testing and reinforced concrete inspections. Typically, the purpose of these inspections was to ensure that the project was constructed in accordance with the plans and specifications.

CAREER HISTORY

FORCON INTERNATIONAL - Consultant, Civil and structural forensic engineering investigation.

W. H. Lyne Engineering - Sole Proprietor, Civil and structural engineering services including building foundation design, site development, inspections and reports.

Town of Warrenton - Director of Public Utilities, Water and wastewater management for 7,000 customers which included responsibility for a 2.5 MGD wastewater facility, a 2.0 MGD water facility, five groundwater wells, three sewage pumping stations, sixty miles of waterline, fifty miles of sewer and infrastructure replacement projects. Management of Airlie Dam and wetlands project involving a 65 acre lake and associated wetlands restoration.

Huntley, Nyce & Associates, Ashburn, VA. - Project management for industrial, commercial and residential site plans, including engineering design, plan certification and quality control.

James G. Butler & Associates, Warrenton, VA. - Project Engineer, Project management for industrial and residential site plans including engineering design, hydrology, pond design and plan processing.

Bengston, DeBell, Elkin & Titus, Leesburg, VA. - Staff Engineer. Design for industrial, commercial and residential site plans including hydrology, hydraulics, storm water management, flood plain analysis, pavement and road design.

Kidde Consultants, Inc., Manassas, VA. - Staff Engineer. Structural design, inspections and reports. Soil and concrete testing. Design and surveying for commercial and residential site plans.