

Association Memberships

The Roof Consultants Institute
Construction Specifications Institute
American Society for Testing Materials
Community Associations Institute
Associated Builders and Contractors of Virginia

Background Information

Mr. Williams' roofing and waterproofing consultation experience began in 1965 and has covered a diverse spectrum of activities specifically related to roofing and waterproofing. His rather extensive experience in the industry includes investigation, design, construction document preparation, construction inspection, and maintenance services involving millions of square feet of roofing area. His consulting experience spans a total range of building types; including high-rise (some over 40 stories high) concrete structures, steel-framed warehouses, and wooden/masonry low-rise townhomes. He has served as Roofing Consultant for owners and property managers who are responsible for all types of building uses. Projects have included restaurants, schools, hospitals, shopping centers, apartments and manufacturing plants, among others. Mr. Williams has detailed experience involving all classifications of roof membrane and insulation systems with individual projects ranging from residential construction to commercial construction over one million square feet in size.

For over thirty years, he served as a roofing and building envelope consultant for major national and international firms, where he established himself as a leading consultant. He has provided consultation regarding diverse systems including built-up, modified bitumen, metal, clay tile, slate shingle roof coverings, single-ply systems, and flat and steeply-sloped systems. Additionally, his expertise spans exterior wall systems such as masonry, curtain walls, windows, sealants, and plaza decks, as well as below-grade waterproofing and parking garages.

In addition, Ray has served an exceptionally broad client base. As an example, he provided extensive consultation services to the U.S. Navy at numerous facilities in the Washington metropolitan area, such as Andrews Air Force Base, Patuxent Naval Air Station, Bethesda Naval Hospital and the Washington Navy Yard. As a consultant to the General Services Administration, Ray also provided competent expertise to several other governmental agencies such as the Internal Revenue Service, the Department of the Interior, and the Department of Justice. He has rendered additional technical services to elementary schools, community centers, commercial projects and residential complexes.

While serving an extensive clientele in the Baltimore/Washington metropolitan area, Mr. Williams also provided technical assistance on projects in St. Louis, Missouri; Greenville, North Carolina; Nashville, Tennessee; Chicago, Illinois; Bermuda; New York City and many others. Additionally, he has provided litigation support and has served as expert witness in several court cases regarding complex roofing and waterproofing problems.

Expert Testimony:

Mr. Williams has been approved as an expert witness in the following jurisdictions.

- Fairfax County, Virginia
- Arlington County, Virginia
- Prince William County, Virginia
- Loudoun County, Virginia
- District of Columbia
- Montgomery County, Maryland
- Prince Georges County, Maryland
- Baltimore County, Maryland

Seminars Attended:

Design and Specification of Roofing Systems

- Roofing Industry Education Institute (RIEI)

5th Conference on Roofing Technology

- National Bureau of Standards (NBS) and National Roofing Contractors Assoc. (NRCA)

Roofing Repair and Maintenance

- Roofing Industry Educational Institute (RIEI)

Roof Problems Analysis and Roofing Options

- National Roofing Contractors Assoc. (NRCA)

Seminars Presented:

Roofing Inspection, Repair and Maintenance

- For Manekin Corporation

Roofing/Annual Repair and Maintenance

- For Xerox International Training Center

Roof Systems/Analysis and Selection

- For Department of the Navy, Chesapeake Division

Building Exterior Finish Systems - Inspection and Repair

- For Washington Metropolitan - Community Association Institute