

Resume

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Stephen L. Patterson, PE, RRC

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PROFESSIONAL SUMMARY

- Licensed Professional Engineer, Texas, 1978 (No. 44030); Oklahoma, 1998 (No. 18913)
- Registered Roof Consultant, Roof Consultant Institute, 1999 and Certified Professional Roof Consultant, Institute Roofing & Waterproofing Consultants, 1996
- Bachelor of Science, Civil Engineering, Texas Tech, 1971
- Masters Business Administration, University of Dallas, 1977
- Published: A Low-Slope Commercial Roofing Overview, Texas Architect 1998, *Roof Design and Practice* (Prentice Hall 2001), *Wind Pressures on Low Sloped Roofs* (RCI, 2001, 2005, 2013 & 2018), *Roof Drainage* (RCI 2003, 2021), *Roof Drainage Design* (RCI, 2007), *Life Safety Roof Design Issues* (RCI 2010), *Combination of Wind Load and Rain Load* (RCI 2012), *Design of Non-Ballasted Low-Slope Roof Assemblies for Wind Resistance* (RCI 2014), *Understanding Low-Sloped Standing Seam Metal Roofs* (RCI 2015), *Roof Drainage Design, Roof Collapses, & the Codes* (RCI 2018), *Raising the Bar in Standards: The ASCE 7 Standard & Low-Slope Roof Drainage* (IIBEC 2020) and *Testing Built-Up and Modified Bitumen Roofs for Hail Damage* (IIBEC 2022).

CAREER HIGHLIGHTS:

- Founder of Roof Technical Services, Inc. (dba ROOFTECH), one of the Southwest's leading architectural and engineering firms specializing in roofing and waterproofing. ROOFTECH provides roofing and waterproofing performing design and analysis, forensic engineering, investigative, and testing services related to all types of roofing and waterproofing issues.
- Member and former Chairman of the Executive Committee for the Construction Research Committee at the University of Texas at Arlington, where Mr. Patterson established and taught Continuing Education Courses on roofing design and construction.
- Developed and co-authored an in-depth roofing design book, *Roof Design and Practice*, and 2 roof design monographs, *Roof Drainage* and *Wind Uplift Pressure on Low-Sloped Roofs*, which are available through and used in education programs of the Roof Consultant Institute.
- Director of Engineering and Technical Director for 2 different Roofing Manufacturers, which manufactured built-up, single ply, and roof maintenance products and systems and General Manager of a large full-service Roofing and Sheet Metal Contracting Company that performed all types of commercial and residential roofing and sheet metal work.

CAREER SUMMARY

- **2022 to Present: President** and Chief Executive Officer of Roof Technical Services, Inc. (dba ROOFTECH) an engineering and roof consulting firm specializing in roofing and waterproofing performing roofing and waterproofing design, forensic engineering, investigative, and testing services related to all types of roofing and waterproofing issues.
- **1983 to 2022: President** and Director of Engineering of Roof Technical Services, Inc. (dba ROOFTECH) an architectural and engineering firm specializing in roofing and waterproofing.
- **1981 to 1983: Technical Director and Divisional Manager** for Monroe, Inc., a "Roof Management Company" involved in the manufacture and installation of a broad line of Roofing Products, including Maintenance Materials, Built-up Roofing, and PVC and Modified Bitumen Single Ply Roofing Systems.
- **1973 to 1981: Director of Engineering** for Southwestern Petroleum Corporation, an International Manufacturer of Roofing Materials including Built-up Roofing and Single Ply Roofing Systems, as well as a line of Roof Maintenance Systems.
- **1974 to 1979: General Manager** of Rooftech Inc. (a solely owned subsidiary of Southwestern Petroleum), a full-service roofing and sheet metal contracting firm installing all types of commercial, industrial, and residential roofing and sheet metal.
- **1971 to 1973: Project Manager** and EIT for Crowe Gulde Inc. a manufacturer of precast pre-stressed concrete products and building systems. Performed a variety of engineering duties including structural design, estimation, and project management.