

ENGINEER: STRUCTURAL, CIVIL

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EDUCATION:

1994 M.S.C.E., University of North Carolina, Charlotte, North Carolina
1986 B.S.E. (Civil) University of North Carolina, Charlotte, North Carolina
1980 A.A. Central Piedmont Community College, Charlotte, North Carolina
1968 A.A.S. Rowan Technical Institute, Salisbury, North Carolina

EXPERIENCE: ENGINEERING PRACTICE

March 1991 to Present Engineering Design & Testing Corp.
Charlotte, North Carolina

Consulting Engineer (March 1991 - July 1992), Engineering Manager (July 1992 - Present). Specialized consulting in the area of structural engineering for commercial, industrial and residential structures including cause and origin of collapsed structures, wind, flood, fire and settlement damage, construction losses, analysis of costs to repair or replace, evaluation and analysis of construction disputes. Provide investigations to determine the cause and origin of fires.

February 1990 to March 1991 Charles T. Main, Inc.

Senior Structural Engineer. Performed conceptual design structural analysis and detailed design for multi-million dollar industrial projects in high security areas for the Department of Energy.

April 1988 to January 1990 Browning-Smith Associates

Staff Engineer. Provided conceptual and detailed design and construction administration services for multi-million dollar commercial, health care and high rise projects.

January 1983
to March 1988

Clark, Tribble, Harris and Li, P.A., Architects & Engineers

Senior Structural Engineer and Department Manager. Provided structural engineering services for all phases of multi-million dollar projects including high rise structures. Also, responsible for staffing and budgetary items.

June 1982
to January 1983

Self-employed

Provided contract design and drafting services for local engineering and architectural companies.

October 1979
to June 1982

Odell Associates, Inc.

Structural Designer. Provided design, drafting and construction administration for structural engineering department.

May 1977
to October 1979

King-Hudson Associates, P.A.

Structural Designer. Provided design, drafting and construction administration services.

November 1972
to May 1977

Odell Associates, Inc.

Structural Designer. Provided design, drafting and construction administration for structural engineering department.

October 1968
to October 1972

United States Air Force

Medical Service Specialist - Republic of Vietnam Service - Top secret security clearance. Honorably discharged.

June 1968
to October 1968

Odell Associates, Inc.
Structural Draftsman

EXPERIENCE: ENGINEERING EDUCATION

May 18, 2004

Guest lecturer to AIG General Adjuster's meeting in Parsippany, New Jersey. Presentation covered the topic of sources of moisture intrusion in commercial property.

- May 1985 to Present Guest lecturer, College of Civil Engineering, The University of North Carolina at Charlotte.
- March 1, 1996 Presented a program entitled *The Use of Engineers in Resolving Insurance Claims* to the annual meeting of The Insurance Crime Information Exchange in Charlotte, North Carolina.
- April 21, 1993 Lectured at a seminar on *The Use of Engineers in Resolving Insurance Claims* at a meeting of the Southeastern Electric Exchange, New Orleans, Louisiana.
- 1990-1991 At large member of the Committee for Engineering Education, The University of North Carolina at Charlotte.

PROFESSIONAL ORGANIZATIONS:

American Society of Civil Engineers
American Concrete Institute
American Institute of Steel Construction
Tau Beta Pi
The Structural Engineers Association of North Carolina
International Society of Explosives Engineers
North Carolina Structural Engineers Association

REGISTRATIONS AND CERTIFICATIONS:

National Council of Examiners for Engineering and Surveying (NCEES - #19642)
Registered Professional Engineer in North Carolina (# 11306)
Registered Professional Engineer in South Carolina (# 14283)
Registered Professional Engineer in Maryland (# 14740)
Registered Professional Engineer in Virginia (# 17855)
Registered Professional Engineer in Indiana (# 8603113)
Registered Professional Engineer in Alabama (# 23963)
Registered Professional Engineer in Kansas (# 16537)
Registered Professional Engineer in Florida (# 61558)
Registered Professional Engineer in West Virginia (# 16411)
Registered Professional Engineer in Georgia (# PE030748)
Registered Professional Engineer in Mississippi (# 17208)
Registered Professional Engineer in Ohio (#72868)
Registered Professional Engineer in Kentucky (#26510)
Registered Professional Engineer in New York (#086874)
Registered Professional Engineer in Oregon (#83550PE)
Registered Professional Engineer in Arkansas (#13964)
Registered Professional Engineer in Maine (#12188)
Registered Professional Engineer in Tennessee (#00114341)

Registered Professional Engineer in Montana (#20399)

CONTINUING EDUCATION:

May 15, 2008	NCDOI Accredited Presentation Entitled, <i>Avoiding the Moisture Crunch</i> , SpringED08, authored by Steven W. Morris of Engineering Design & Testing Corp.
May 16, 2007	NCDOI Accredited Presentation Entitled, <i>Lean on Me</i> , SpringED07, authored by Steven Morris of Engineering Design & Testing Corp.
May 17, 2006	NCDOI Accredited Presentation Entitled, <i>Blasting</i> , SpringED06 authored by Steven W. Morris of Engineering Design & Testing Corp.
October 25, 2005	NCDOI Accredited Presentation Entitled, <i>Moisture Damage</i> , AutumnED05, authored by Steven W. Morris of Engineering Design & Testing Corp.:
June 2002	A seminar addressing changes to the 2002 edition of the ACI-318 code. The seminar was sponsored by the American Concrete Institute.
May 2002	Carolinas Concrete Masonry Association Seminar on Masonry Design Software.
November 2001	A seminar sponsored by the North Carolina and South Carolina chapters of the International Association of Arson Investigators (IAAI). The 4 day seminar focused on vehicle fire investigations and NFPA-921 issues.
September 2000	Carolinas Concrete Masonry Association Seminar on Masonry Design Software.
December 1999	A seminar sponsored by the American Concrete Institute on Reinforced Concrete Design
July 1999	Fire/Arson Training Conference - International Association of Arson Investigators - The 35 th Annual Southeastern Arson Seminar. Topics included assessment of large fire scenes, use of K-9 accelerant sniffing dogs and vehicle fire investigations.
February 1999	Carolinas Concrete Masonry Association Seminar on Designing and Constructing Quality Masonry Walls.
December 1998	ACI Seminar on the New Masonry Code. Topics included a review of <i>The Building Code Requirements for Masonry Structures</i> (ACI 530-95 / ASCE 5-95 / TMS 402-95) and <i>The Specification for Masonry Structures</i> (ACI 530.1-95 / ASCE 6-95 / TMS 602-95).
September 1998	ACI Concrete Repair Basics - Kansas City, MO. A seminar which addressed the approach and solution to repair of damaged concrete including slabs on

grade and formed structural concrete.

- August 1998 Fire/Arson Training Conference - International Association of Arson Investigators - The 34th Annual Southeastern Arson Seminar. A portion of the seminar was conducted at the Federal Law Enforcement Training Center (FLETC) in Glynn County, Georgia. Topics included explosives, NFPA 921, Motive, Means and Opportunity, and accelerant techniques.
- August 1997 Fire/Arson Training Conference - International Association of Arson Investigators, Brunswick, Georgia - The 33rd Annual Southeastern Arson Seminar. Topics included Arson Profiling, Improvised Explosion Devices, Fire Investigative Techniques, Laboratory Techniques and Emulsifiers, and Lightning Strikes.
- November 1996 A seminar entitled *Windloads for Buildings and Other Structures* sponsored by The American Society of Civil Engineers. The seminar addressed evolving technology regarding wind and its effects on structures. The seminar was led by Dr. Keshor Mehta and Dr. Dale Perry.
- May 1996 A seminar addressing changes to the 1995 edition of the ACI 318 code. (ACI318-95). The seminar was sponsored by the American Concrete Institute.
- August 1995 The South Carolina Chapter of the International Association of Arson Investigators annual seminar. Topics included Fire Behavior & Dynamics, Criminal & Civil Legal Issues, Kerosene Heater Fires & Anti-flareup Devices, Electronic Ignition Sources and a review of NFPA 921 & NFPA 1033.
- November 1994 A seminar on the Investigation of Gas and Electric Appliance Fires - Barker and Herbert Analytical Laboratories, Inc., New Haven, Indiana.
- August 1994 A Seminar on the Investigation of Vehicle Fires. Conducted by Lee S. Cole & Associates, Inc. given in San Diego, California.
- March 1994 Property Loss Research Bureau, Property Loss and Liability Claims Conference, New York, New York.
- November 1993 Fire/Arson Training Conference - I.A.A.I., Valdosta, Georgia - Hands on practical application on the fundamentals of arson investigations. Training included a live burn of a single family dwelling.
- March 1993 Insurance Committee for Arson Control (I.C.A.C.) - 1993 National Arson Investigation Seminar.
- June 1992 Northwestern University - Traffic Institute - Arson Investigation Seminar. A three day seminar in fundamentals of fire investigations.

March 1987 The University of Wisconsin at Madison - Structural Engineering on Micro Computers, led by Dr. Chu-Kia Wang.

PUBLICATIONS:

Engineering Aspects of Vehicle Fire Investigations, Thesis, University of North Carolina at Charlotte, 1994.

(Revised: 11/11)