

**James E. Waller, PE**

**December 1016**

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### **Education**

United States Military Academy, West Point, NY, Bachelor of Military Science, 1958

University of Miami, Coral Gables, FL, Master of Science, Civil Engineering, 1969

### **Engineering Registration**

Tennessee PE, No. 9097, 1973

### **Honors and Awards**

Florida Institute of Consulting Engineers: Engineering Excellence, 1987 <sup>1</sup>

American Concrete Institute: Award of Merit, 1987 <sup>1</sup>

American Institute of Architects: Honor Award for Architecture, 1990 <sup>2</sup>

American Institute of Steel Construction: Architectural Award of Excellence, 1995 <sup>3</sup>

U. S. Army Material Command: Certificate of Achievement, 1964

Chattanooga Technology Council: Early Innovator Award, 2006 <sup>4</sup>

Ernst W. Kiesling Award, 2015

### **Professional Employment**

1958 – 1964: U. S. Army, Infantry, 82<sup>nd</sup> Airborne Division, Staff & Faculty, Airborne School, Ft. Lee, VA, Military Advisor, II Corps ARVN, Viet Nam, Chief, Engineering Branch, Airborne Test Activity, Yuma Proving Ground, AZ

1964 – 1973: Connell & Associates, Engineers, Miami, FL: structural engineer, department head, Associate

1973 – 1974: EcoCivil, Inc., Miami, FL: structural engineer, Vice President

1974 – Present: James E. Waller, Consulting Engineer, Monteagle, TN: professional engineer, President

1974 – 2000: Bliss & Nyitray, Structural Engineers:, Miami, FL: structural engineer, Vice President

1996 – Present: Remagen Corporation: President

2005 – Present: Consulting Forensic Engineer, VCE, Inc.

2007 – Present: Bastogne Manufacturing, LLC: Dir. Engineering, Vice President

2014 – Present: Remagen Corporation: Dir. Engineering, Vice President

2013 – Present: Psynetix Laboratories, LLC, Secretary

### **Professional Memberships & Associations (current)**

2000 – 2006: National Storm Shelter Association (NSSA): President, Producer Member

2006 – Present: : National Storm Shelter Association: Professional Member

2007 – Present: International Codes Council Committee: ***ICC/NSSA Standard for the Design and Construction of Storm Shelters***, ICC500-2008 & ICC500-2014

2015 – Present: American Society of Civil Engineers

2014 – Present: The National Profilers Association

### **Professional Memberships & Associations (past)**

International Codes Council

National Society of Professional Engineers

Southern Building Code Congress International

American Institute of Timber Construction

American Society for Wind Engineering

Tennessee Earthquake Preparedness Committee

Institute for Business and Home Safety

Federal Alliance for Safe Homes

TTU/NIST: Tornado damage assessment team member for Tuscaloosa, AL & Evansville, IN tornadoes

Emergency response structural engineer, Corps of Engineers Readiness Branch

### **Conference Papers, Publications**

- J. Waller & C. Churchill, “Engineering Design Static and Air Drop Tests of General Sheridan Vehicle”, U.S. Army Test & Evaluation Command, YPG Report No. 4015 (unclassified), Yuma Proving Ground, AZ, March, 1964.
- J. Waller, “Inelastic Stability of Multistory Concrete Frames with Sidesway”, thesis submitted as partial fulfillment of requirements for Master of Science, Department of Civil Engineering, University of Miami, FL, 1968.
- J. Waller, “Structural Engineering Software for Microcomputers: The Second Computer Revolution”, ASCE Preprint 83-031, ASCE Convention, Philadelphia, PA, May 1983.
- J. Waller, “Analysis of Building Frames with Non-Rigid Panel Elements”, Proceedings, 1st International Conference on Microcomputers in Civil Engineering, p 236-242, Orlando, FL, November, 1983.
- J. Waller & J. Zimmerman, “Behavior and Design of Multistory Building Frames of Unbonded Post-tensioned Concrete”, *Journal of the American Concrete Institute*, No. 3 Proceedings V 82, May/June 1985.
- J. Waller, “Tornado, Wind, and Water Protection: Preparing for the Expected”, *The EDP Audit, Control, and Security Newsletter*, Vol. XXVIII, No. 12, June, 2001.
- J. Waller, “Surviving Nature’s Wrath and Human Shortsightedness”, *Southern Building*, September/October, 2002.
- J. Waller & E. Kiesling, “Building Codes and Storm Shelter Safety”, *Building Safety Journal*, August, 2003.
- L. Tanner & J. Waller, “Tornado Report – Evansville, Indiana, November 6, 2005, with a Focus on Eastbrook Mobile Home Park”, Texas Tech University, May, 2006.
- Janney, S., Zhao, Q., Burdette, E., Bennett, R., Waller, J. “Full Scale Blast Test for Steel Blast Cubicles”, Structures Congress, Orlando, FL, May 2010.

### **Notes**

1. Skyride/Skyport at Miami International Airport
2. Structural Design of Oriole Ball Park at Camden Yards, Baltimore, MD
3. Structural design of Galleria at Erieview, Cleveland, OH
4. Invention of Closet Vault and Storm Closet tornado safe rooms