



## JASON PIRTLE, P.E. – PRESIDENT, STRUCTURAL ENGINEER

### CAREER EXPERIENCE

Jason Pirtle started JPSE in 2014 to provide clients with tailor-made solutions for their individual projects. By keeping the firm small in size, JPSE can spend the time needed to thoroughly understand the client's needs so the solution provided fits the problems presented.

Throughout his career, Jason has served as lead structural engineer and/or project manager on both small and large commercial and heavy industrial structures. He has been intimately involved in all project stages - project inception, preliminary design, budgeting, final analysis and design, drawing production, and construction administration. He has designed single and multi-story projects in concrete, structural steel, light gauge steel, masonry, and wood structures in areas with high seismicity and high wind velocities.

Jason is also a leader in the tornado shelter design community. He has served as lead structural engineer on many community safe rooms that meet FEMA P-361 and ICC/NSSA 500 standards, authored articles and given numerous presentations, served on professional committees that develop the standards for the industry and is President of the National Storm Shelter Association (NSSA). He also is President of Remagen Corporation, a company that designs and produces tornado safe rooms and blast and ballistic protection structures. He collaborated with Jim Waller to design the first school tornado safe room retrofit in the U.S.

Jason also provides forensic engineering and expert witness services through JPSE and VCE, Inc., a forensic consulting company with offices nationwide. He has produced forensic studies of existing structures to determine issues related to structural deficiencies, building damage/deterioration, and building function.

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### PROJECT EXPERIENCE (PARTIAL LIST INCLUDING PAST EMPLOYERS)

#### **COMMERCIAL:**

Union University Library - Jackson, Tennessee  
Union University White Hall Science Building - Jackson, Tennessee  
Union University Dormitory Complex and Commons Building - Jackson, Tennessee  
University of Tennessee at Martin Student Housing - Martin, Tennessee  
Lift Center – Jackson, Tennessee  
Jackson Energy Authority Tennergy Office Building - Jackson, Tennessee  
TDOT Region IV Transportation Management Center - Memphis, Tennessee  
First State Bank Branch Offices – Various Locations  
Lawrence County Justice Center - Lawrenceburg, Tennessee  
Chester County Justice Center – Henderson, Tennessee  
Henry County Medical Center Physical Plant – Paris, Tennessee

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PROJECT  
EXPERIENCE  
(CONTINUED)

**TORNADO SAFE ROOMS:**

Creekside Elementary School Tornado Shelter – Harvest, Alabama (1300 occupants)  
 Lakewood School Retrofit Safe Room - Buchanan, Tennessee (900 occupants)  
 Harrelson School Retrofit Safe Room - Puryear, Tennessee (700 occupants)  
 Henry School Retrofit Safe Room - Henry, Tennessee (470 occupants)  
 Madison County EMA Retrofit – Jackson, Tennessee (250 occupants)  
 Union University Dorm Safe Rooms - Jackson, Tennessee (130+ Safe Rooms)  
 Union University Commons Building Safe Room - Jackson, Tennessee

**INDUSTRIAL:**

Hobbs Bonded Fiber Bridge Crane and Column Removal - Trenton, Tennessee  
 Arconic Facility Upgrades – San Antonio, Texas  
 Skyline Steel Pipe Mill – Iuka, Mississippi  
 United Stainless Building Expansion – Selmer, Tennessee  
 Gerdau Ameristeel Mill Change Stand Addition – Jackson, Tennessee  
 Kellogg’s (formerly P&G); Various Project – Jackson, Tennessee  
 Delta Faucet; Various Projects – Jackson, Tennessee  
 Weakley County Industrial Board Speculative Building – Martin, Tennessee  
 Fly Ash Separation Facility – Jacksonville, Florida  
 Navajo Refinery – Artesia, New Mexico  
 Northeastern Unit 1 Repowering – Oologah, Oklahoma  
 Simple Cycle Power Plant – Holden, Missouri

**RESIDENTIAL:**

Martin Residence; Jackson, Tennessee  
 Ballard Residence; Lexington, Tennessee  
 Erwin Residence; Lady’s Island, South Carolina  
 Weitzenfeld Residence; Hilton Head, South Carolina

PROFESSIONAL  
ENGINEERING  
LICENCES

Alabama (31508)	Oklahoma (27074) –inactive
Arkansas (11997)	South Carolina (33234)
Kentucky (24063) – inactive	Tennessee (108947)
Georgia (PE040207)	Texas (90260)
Mississippi (16636)	NCESS Model Law Engineer

PUBLICATIONS

Pirtle, Jason (September 2, 2014). “A Solution to the Lack of Shelter Requirements for Existing Schools.” *Engineering News Record*. Retrieved from [http://enr.construction.com/technology/construction\\_technology/2014/0902-a-solution-to-the-lack-of-shelter-requirements-for-existing-schools.asp](http://enr.construction.com/technology/construction_technology/2014/0902-a-solution-to-the-lack-of-shelter-requirements-for-existing-schools.asp)

Kiesling, Ernst; **Pirtle, J.** & Waller, J. (August, 2015) “NSSA/ICC500-2014 Storm Shelter Standard—Structural Provisions.” *Structure, A Joint Publication of NCSEA, CASE, SEI*. 39-41.



**SPEAKING  
ENGAGEMENTS**

Seminar for the Statewide Tennessee State Fire Marshall Plan Examiners and Inspectors; *One Day Tornado Safe Room Seminar*; Bell Buckle, Tennessee; November 13, 2014.

Oklahoma Engineering Conference; Oklahoma Society of Professional Engineers; *Retrofitting Tornado Shelters into Existing School Facilities*; Tulsa, Oklahoma; June 12, 2014.

Special Presentation for FEMA Safe Room 101 Students and Graduates; Oklahoma Department of Emergency Management; *Retrofitting Tornado Shelters into Existing School Facilities*, Oklahoma City, Oklahoma; March 26, 2014.

National Tornado Summit; Oklahoma Insurance Commission & Oklahoma Department of Emergency Management; *Retrofitting Tornado Shelters into Existing School Facilities*, Oklahoma City, Oklahoma; February 10, 2014.

TSBA Annual Convention; Tennessee School Boards Association; *Retrofitting Tornado Shelters into Existing School Facilities*; Nashville, Tennessee; November 9, 2013.

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**WORK  
EXPERIENCE**

**PRESIDENT; JASON PIRTLE STRUCTURAL ENGINEERS, LLC; HENDERSON, TENNESSEE**  
September 2014 to present

**PRESIDENT; REMAGEN SAFEROOMS; MONTEAGLE, TENNESSEE**  
September 2014 to present

**PARTNER; SENIOR STRUCTURAL ENGINEER; TLM ASSOCIATES, INC.; JACKSON, TENNESSEE**  
September 2003 to September 2014

**STRUCTURAL/CIVIL ENGINEER; TIPPETT & GEE, LTD./LAUREN ENGINEERS & CONTRACTORS; ABILENE, TEXAS**  
February 2000 to September 2003

**PROJECT STRUCTURAL ENGINEER; L.A. FUESS PARTNERS; DALLAS, TEXAS**  
February 2000 to September 2003

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**PROFFESIONAL  
AFFILIATIONS**

National Storm Shelter Association, President	ASCE, Professional Member
National Storm Shelter Association, Producer	Chi Epsilon, National Civil Engineering Honor Society
National Storm Shelter Association, Approved	Society
Third Party Reviewer (inactive)	Tau Beta Pi, National Engineering Honor Society

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**COMMITTEE  
MEMBERSHIPS**

ASCE Wind Speed Estimation in Tornadoes Standards Committee, Voting Member  
ICC/NSSA 500-2014 Commentary Development Committee, Voting Member

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**EDUCATION**

**TEXAS A&M UNIVERSITY; COLLEGE STATION, TEXAS**  
Master of Engineering, Civil Engineering, emphasis in Structural Engineering, 1998  
**TEXAS A&M UNIVERSITY; COLLEGE STATION, TEXAS**  
Bachelor of Science, Civil Engineering, Graduated Cum Laude, 1996

