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References

- AMS (American Meteorological Society). 2000. *Glossary of Meteorology*. Boston: American Meteorological Society. Second Edition.
- ANSI/TIA (Telecommunications Industry Association). 2009. Structural Standard for Antenna Supporting Structures and Antennas, ANSI/TIA-222-G-2, Addendum 2. December.
- ANSI/TIA. 2005. Structural Standard for Antenna Supporting Structures and Antennas, ANSI/TIA-222-G. August.
- Arab Building Department. 2012. Telephone conversation with the author, May 2.
- ASCE. 2010. Minimum Design Loads of Buildings and Other Structures. ASCE Standard ASCE 7-10.
- ASCE. 2005. Minimum Design Loads of Buildings and Other Structures. ASCE Standard ASCE 7-05.
- ASCE. 1995. Minimum Design Loads of Buildings and Other Structures. ASCE Standard ASCE 7-95.
- ASTM International. 2009. Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Windborne Debris in Hurricanes, ASTM E1996. West Conshohocken, PA.
- Barnes, Lindsey R., Eve C. Gruntfest, Mary H. Hayden, David M. Schultz, Charles Benight, 2007. "False Alarms and Close Calls: A Conceptual Model of Warning Accuracy." *Weather and Forecasting*, 22:1140–1147.
- Brotzge, J., S. Erickson, H. Brooks, 2011. "A 5-yr Climatology of Tornado False Alarms." *Weather and Forecasting*, 26:534–544.
- City of Birmingham, AL. "2007 Technical Code." http://www.birminghamal.gov/planning/2007/2007TechnicalCode.pdf.
- City of Birmingham, AL. "Technical Codes, 2010 Editions." http://www.birminghamal.gov/DYS/citysite/pdf/pep/TECHNICAL%20CODE%20OF%20THE%20CITY%20OF%20BIRMINGHAM%202010.pdf.

- City of Cleveland, TN. "Building Plans Review, Permits and Inspections, Frequently Asked Questions." Handout. http://www.cityofclevelandtn.com/CommunityDev/Frequently%20 asked%20Questions.pdf.
- City of Huntsville, AL. "Codes Adopted by the City of Huntsville and Admentments to the Technical Codes," ORDINANCE NO. 05-80. http://www.hsvcity.com/inspection/documents/CODES_ADOPTED_BY_CITY_OF_HUNTSVILLE_and_ADMENDMENTS.pdf.
- City of Joplin, MO. "Building Code and Enforcement, City of Joplin." Handout.
- City of Joplin. 2011. *Joplin, Missouri hit by EF-5 Tornado on May 22, 2011.* Fact Sheet December 5, 2011. City of Joplin, Public Information Office: Joplin, MO.
- City of Ringgold, GA. "Building Inspection Department." http://www.catoosa.com/depts/planzoning/BuildingInspection.htm, accessed May 1, 2012.
- City of Tuscaloosa, AL. "Inspection Services, Codes." http://www.ci.tuscaloosa.al.us/index.aspx?NID=290.
- DeMonia, Robin. 2011. "Alabama tornadoes: Nursing home disaster plans under review." *The Birmingham News*: Birmingham, AL. July 22.
- DeRenzis, Andrew; Kochkin, Vladimir; and Ehrlich, Gary. 2010. *Evaluation of Wood Sole Plate Anchorage to Concrete under Monotonic and Cyclic Loading*, Prepared by the National Home Builders Research Center and published by ASCE. March.
- FEMA (Federal Emergency Management Agency). 2011a. Coastal Construction Manual: Principles and Practices of Planning, Siting, Designing, Constructing, and Maintaining Residential Buildings in Coastal Areas. FEMA P-55. August. Fourth Edition.
- FEMA, 2011b. *Critical Facilities Located in Tornado-Prone Regions: Recommendations for Architects and Engineers*, Recovery Advisory 6, Recovery Advisories from the Tornado MATs for Alabama, Mississippi, Tennessee, Georgia, and Missouri. August.
- FEMA, 2011c. *Critical Facilities Located in Tornado-Prone Regions: Recommendations for Facility Owners*, Recovery Advisory 5, Recovery Advisories from the Tornado MATs for Alabama, Mississippi, Tennessee, Georgia, and Missouri. July.
- FEMA, 2011d. *Rebuilding and Repairing Your Home After a Tornado*, Recovery Advisory 7, Recovery Advisories from the Tornado MATs for Alabama, Mississippi, Tennessee, Georgia, and Missouri. August.
- FEMA, 2011e. *Reconstructing Non-Residential Buildings After a Tornado*, Recovery Advisory 8, Recovery Advisories from the Tornado MATs for Alabama, Mississippi, Tennessee, Georgia, and Missouri. August.
- FEMA, 2011f. *Residential Sheltering: In-Residence and Stand-Alone Safe Rooms*, Recovery Advisory 3, Recovery Advisories from the Tornado MATs for Alabama, Mississippi, Tennessee, Georgia, and Missouri. June.
- FEMA, 2011g. *Safe Rooms and Refuge Areas in the Home*, Recovery Advisory 4, Recovery Advisories from the Tornado MATs for Alabama, Mississippi, Tennessee, Georgia, and Missouri. June.

- FEMA, 2011h. *Safe Rooms: Selecting Design Criteria*, Recovery Advisory 2, Recovery Advisories from the Tornado MATs for Alabama, Mississippi, Tennessee, Georgia, and Missouri. June.
- FEMA, 2011i. *Tornado Risks and Hazards in the Southeastern United States*, Recovery Advisory 1, Recovery Advisories from the Tornado MATs for Alabama, Mississippi, Tennessee, Georgia, and Missouri. June.
- FEMA. 2010a. Design Guide for Improving School Safety in Earthquakes, Floods, and High Winds. FEMA P-424. December.
- FEMA. 2010b. Pre-Mitigation Assessment Team Report Mississippi Tornado Outbreak, April 23rd 24th: Damage and Safe Room Performance Observations, Recommendations, and Conclusions. Unumbered publication. July.
- FEMA. 2009a. *Hazard Mitigation Assistance for Safe Rooms*, Mitigation Interim Policy MMR-2-09-1, April 30.
- FEMA. 2009b. Tornado Protection: Selecting Refuge Areas in Buildings. FEMA P-431. October.
- FEMA. 2009c. Unreinforced Masonry Buildings and Earthquakes: Developing Successful Risk Reduction Programs. FEMA P-774. October.
- FEMA. 2008a. *Design and Construction Guidance for Community Safe Rooms*. FEMA 361. August. Second Edition.
- FEMA. 2008b. *Hazard Mitigation Assistance for Safe Rooms*, Mitigation Interim Policy MMR-2-07-1, March 7.
- FEMA. 2008c. Taking Shelter From the Storm: Building a Safe Room For Your Home or Small Business. FEMA 320. August. Third Edition.
- FEMA. 2007a. Design Guide for Improving Critical Facility Safety from Flooding and High Winds: Providing Protection to People and Buildings. FEMA 543. January.
- FEMA. 2007b. Design Guide for Improving Hospital Safety in Earthquakes, Floods, and High Winds: Providing Protection to People and Buildings. FEMA 577. June.
- FEMA. 2006. Hurricane Katrina in the Gulf Coast: Mitigation Assessment Team Report, Building Performance Observations, Recommendations, and Technical Guidance. FEMA 549. July.
- FEMA. 2000. Design and Construction Guidance for Community Shelters. FEMA 361. July. First Edition.
- FEMA. 1999a. Building Performance Assessment Team Report: Oklahoma and Kansas, Midwest Tornadoes of May 3, 1999. FEMA 342. October.
- FEMA. 1999b. In-Residence and Small Business Safe Room Designs. Drawing No. AG-06, sheet 11 of 18.
- FEMA. 1999c. Taking Shelter from the Storm: Building a Safe Room Inside Your House. FEMA 320. October. Second Edition.
- FEMA. 1998. Taking Shelter from the Storm: Building a Safe Room Inside Your House. FEMA 320. October. First Edition.
- FEMA. 1990. Tornado Protection: Selecting and Designing Safe Areas in Buildings. FEMA TR-83B. June.
- FEMA. 1980. Interim Guidelines for Building Occupant Protection From Tornadoes and Extreme Winds. TR-83A. September.

- Fujita, T.T. 1971. Proposed characterization of tornadoes and hurricanes by area and intensity. Satellite and Mesometeorology Research Project Report 91, the University of Chicago: Chicago, IL.
- Hamilton County, TN. Undated. "Hamilton County Building & Zoning." http://www.hamiltontn. gov/inspect, accessed May 1, 2012.
- ICC (International Code Council). 2012a. International Building Code. Birmingham, AL.
- ICC. 2012b. International Residential Code for One- and Two-Family Dwellings. Birmingham, AL.
- ICC. 2009a. International Building Code. Birmingham, AL.
- ICC. 2009b. International Residential Code for One- and Two-Family Dwellings. Birmingham, AL.
- ICC. 2008. Standard for Residential Construction in High-Wind Regions, ICC 600. Birmingham, AL.
- ICC. 2003a. International Building Code. Birmingham, AL.
- ICC. 2003b. International Residential Code for One- and Two-Family Dwellings. Birmingham, AL.
- ICC. Undated. Alabama Code Adoption Information. http://www.iccsafe.org/gr/Documents/al.htm, accessed May 1, 2012.
- ICC and NSSA (National Storm Shelter Association). 2008. Standard for the Design and Construction of Storm Shelters, ICC 500. Birmingham, AL.
- Jefferson County, AL. 2011. "ORDINANCE NO. 1800, An ordinance to adopt a Building Code for Jefferson County, Alabama." http://jeffconline.jccal.org/inspectionservices/main/IS-BuildingCode.pdf.
- Natural Disaster Taskforce. 2012. *Analysis of the Damage from Historic Tornado in Joplin, Missouri, U.S.A. on May 22, 2011*, a Report to the Technical Committee of the Tilt-Up Concrete Association: Mount Vernon, IA. Report 201-12-01. January 12.
- NOAA (National Oceanic and Atmospheric Administration). 2012. 2011 Tornado Fatality Information. National Weather Service, Storm Prediction Center, Severe Weather Database, updated in January 2012. http://www.spc.noaa.gov/climo/torn/2011deadlytorn.html.
- NOAA. 2011. Storm Prediction Center Warning Coordination Meteorologist's Page. National Weather Service, Storm Prediction Center. http://www.spc.noaa.gov/wcm.
- NOAA. 2007a. NOAA Service Assessment on Enterprise Tornado Demonstrates Need to Build Hazard Resilient Communities. November 29. Available at: http://www.noaanews.noaa.gov/stories2007/20071129_tornado.html.
- NOAA. 2007b. Service Assessment: Tornadoes in Southern Alabama and Georgia on March 1, 2007. National Weather Service. November. Available at: http://www.nws.noaa.gov/os/assessments/pdfs/AL-GA_tornadoes07.pdf.
- Prevatt, David O.; Coulbourne, William; Graettinger, Andrew; Pei, Shiling; Gupta, Rakesh; and Grau, David. 2011a. *The Joplin Tornado of 2011 Damage Survey and Case for Tornado-Resilient Codes*. September 26.
- Prevatt, David O.; van de Lindt, John W.; Graettinger, Andrew; Coulbourne, William; Gupta, Rakesh; Pei, Shiling; Hensen, Samuel; and Grau, David. 2011b. *Damage Study and Future Direction for Structural Design Following the Tuscaloosa Tornado of 2011*. July 27.

- Simmons K.M. and D. Sutter. 2011. *The Economic and Societal Impacts of Tornadoes*. Boston: American Meteorological Society.
- State of Missouri, Division of Facilities Management. 2007. *Designer Information Packet*. State of Missouri, Office of Administration, Division of Facilities Management, Design and Construction. April. http://oa.mo.gov/fmdc/dc/fmdc_dip/index.htm.
- SBCCI (Southern Building Code Congress International). 1998. Standard Building Code. Janesville, WI.
- SBCCI. 1994. Standard Building Code. Janesville, WI.
- SBCCI. 1991. Standard Building Code. Janesville, WI.
- Tilt-Up Concrete Association. 2012. *Analysis of Damage from Historic Tornado in Joplin, Missouri, U.S.A. on May 22, 2011*, a Report to the Technical Committee of the Tilt-Up Concrete Association by the Natural Disaster Task Force. Report 201-12-01. January 12.
- Tornado Recovery Advisory Council of Alabama. 2012. *Cultivating a State Of Readiness: Our Response to April 27, 2011.* January. http://tracalabama.org/wp-content/uploads/2012/01/TRAC_Report.pdf.
- Town of Smithville, MS. "Long-Term Recovery, Smithville Recovery News, Building Permits." Last modified June 21, 2011. https://sites.google.com/site/smithvilleltcr/hot-news-1/headline1, accessed May 1, 2012.
- TTU (Texas Tech University). 2004. A Recommendation for an Enhanced Fujita Scale, Submitted to The National Weather Service and Other Interested Users, June 2004, Wind Science and Engineering Center, Texas Tech University: Lubbock, TX.
- TTU. 2006. A Recommendation for an ENHANCED FUJITA SCALE (EF-Scale), Submitted to The National Weather Service and Other Interested Users, October 10, 2006, Revision 2, Wind Science and Engineering Center: Lubbock, TX.