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NWI Research Assistant Professor, Retired
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Larry Tanner has spent his professional life in the field of architectural and engineering design and construction. He has been owner and partner of several AE firms and maintains a consulting practice in AE Forensics, Tanner Consulting. Public sector work includes directorship of the Office of Facility Planning and Construction at Texas Tech University, lecturing in the College of Engineering, and Research Assistant Professor and Manager of the NWI Debris Impact Test Facility.

EDUCATION

Texas Tech University, Graduate 1971, B.S. & M.S. Architectural Engineering
Registered Professional Engineer / State of Texas
Registered Architect / States of Texas

MEMBERSHIPS N.C.A.R.B., M.ASCE, M.ICC, MAAWE, M.NSSA

TANNER CONSULTING, est. 1993

A/E Forensic investigations and reports for over 140 cases, Expert Witness on 5 court cases. Real Estate Services for Commercial Properties, construction progress investigations (CPIM) and property condition assessments (PCA), and multi-family/single family residential property issues. ICC-500 Community Shelter Peer Reviewer 30 ISD shelters (HS, MS, ES), 8 Charter School Shelters, and Recommendations of “Safer Places of Refuge” for numerous Texas, Oklahoma, & Kansas ISD’s, Fact Consultant to A/E Community,

ACADEMIC EXPERIENCE

Research Assistant Professor, National Wind Institute, Texas Tech University, 2009 – retired
2018 Manager, National Wind Institute-Debris Impact Facility, Texas Tech University, 1998 – 2018
Instructor, College of Engineering, Texas Tech University, 1993 – 2016
Director of Facility Planning and Construction, Texas Tech University, 1984 – 1993

PUBLICATIONS & CO-AUTHORSHIP

1. Design and Construction Guidance for Community Shelters, FEMA P-361, 1999, 2008, 2015 Tornado Protection, Selecting Best Available Refuge Areas in Buildings, FEMA P-431, 2015.
2. Safe Rooms for Tornadoes and Hurricanes: Guidance for Community and Residential Safe Rooms (FEMA P-361). FEMA. 2015.
3. Formal Observation Report Moore, OK Tornado. FEMA P-1020. FEMA 2014
4. ICC/NSSA Standard for the Design and Construction of Storm Shelters (ICC 500). ICC 500-2014.
5. Moore, OK Tornado Shelter Performance Report (NSF Funded), 2013
6. Collection of Perishable Data on Storm Shelters, Wind Speed Indicators, and Glazing. 2013. (NSF Funded)

7. Mitigation Assessment Team Observations,” to the Texas House Subcommittee on Flooding and Evacuations Hurricane Ike. FEMA, 2012.
8. Mitigation Assessment Team Report – Spring 2011 Tornadoes: April 25-28 and May 22 (FEMA P-908). FEMA, 2012.
9. Coastal Construction Manual (FEMA P-55). FEMA, 2011.
10. The Mitigation Division of the Department of Homeland Security’s (DHS) Federal Emergency Management Agency (FEMA) deployed a Mitigation Assessment Team (MAT) to the States. FEMA, 2008.
11. Mitigating Damage to Residential Structures from Hurricanes and Coastal Windstorm, to the Texas Senate Subcommittee on Flooding and Evacuations. FEMA, 2008.

Storm Investigations and Documentation:

1. Hurricane Harvey, 2017 (FEMA MAT Team)
2. Moore, OK Tornadoes, 2013 (NSF Rapid Project Team)
3. Spring Tornadoes of 2011 (FEMA MAT Team)
4. Mississippi Tornadoes, 2010 (FEMA MAT Team)
5. Hurricane Ike, 2008 (Member of FEMA MAT Team)
6. The Dixie Outbreak – Tennessee Tornadoes, 2008 (TTU Team Leader)
7. Central Florida Tornadoes, 2007 (NWI Team Leader)
8. Hurricane Katrina, 2005 (FEMA MAT Team)
9. Hurricane Ivan, Pensacola, 2004 (TTU Team Leader)
10. Southwest Missouri and Oklahoma City Tornadoes in May, 2003 (FEMA MAT Team)
11. Happy, Texas 2002 Tornado (TTU Team Member)
12. Ohio 2002 Tornadoes, (TTU Team Leader)
13. Tuscaloosa, Alabama 2000 Tornado (TTU Team Leader)
14. Oklahoma and Kansas 1999 Tornadoes (TTU Team Leader)
15. Oklahoma and Kansas 1999 Tornados (FEMA MAT Team)
16. Spencer, South Dakota Tornado in 1998 (TTU Team Leader)
17. Oklahoma City and Kansas Tornadoes 1998 (FEMA MAT Team)