

## THE DOME TECHNOLOGY DIFFERENCE



For more information, visit  
[www.dometechnology.com](http://www.dometechnology.com)

Today more businesses, schools, and government agencies are partnering with Dome Technology to construct critical and demanding architectural buildings. And it's no surprise why: Domes are stronger, more versatile, and more cost effective than conventional structures.

- Meets ICC 500 specifications
- Meets FEMA 361 Criteria
- Missile impact test (FEMA 32 and ICC 500, Protocol 4, Tornado)
- All-weather construction
- Type 1 (fire-resistant) construction
- Exceeds IBC seismic criteria
- Can meet Nuclear Regulatory Commission guidelines for withstanding 482+ kph (300+ mph) winds (ASCE Paper 3269 and ASCE 7-10 codes)

*"For nearly four decades we've relied on a collaborative approach with companies—they're in the driver seat, and we help navigate. In every project Dome Technology incorporates innovative technology with an economical solution."*

Bradley Bateman, Dome Technology CEO



## PROJECT NO. 1405: WEBB CITY HIGH SCHOOL

Webb City, Missouri      One dome 55m  
Safe shelter/Gymnasium      (180ft) Wide × 8.5m  
  (28ft) Tall

On May 22, 2011, an EF5 tornado ripped through Joplin, Missouri, earning the dubious title of deadliest U.S. tornado in 68 years. Since then, the Webb City High School gymnasium was built to act as a community safe shelter available 24/7 and host sporting events in the meantime. In July 2014, Dome Technology completed the shelter that meets ICC-500 specifications and can protect 2,600 people.

When planning, the district's first priority was student and staff protection, but including the community was also a must. The district applied for and received seven FEMA grants to offset costs for seven shelters, four of which are available for community use. According to Dr. Kevin Cooper, Webb City R-VII School District assistant superintendent, the Webb City High School gym is one of the largest safe shelters in the state.

The district capitalized on the safe shelter by finishing it as a gymnasium. "The building of the gym was more of a



luxury. It was not a must that we build the gym; we just had the opportunity to build a very large facility that would serve the essential purpose of community protection, while at the same time giving our students and athletes a great place for competition and for physical-education classes," Cooper said.

This level of protection plus cost effectiveness are two advantages of domes as safe shelters. "Depending on the needs, I would strongly recommend the dome concept. By using a dome, we are able to build a much larger facility on the budget that was provided," he said.