

RAYMORE-PECULIAR HIGH SCHOOL

PECULIAR, MISSOURI



Architect: incite Design Studio
Contractor: Crossland Construction Company
Representative: Mechanical Sales Midwest, Inc.

This \$23 million renovation to the Raymond-Peculiar High School featured the addition of 104,000 square feet and upgrades to 90,000 square feet of existing space. The new two-story building included a culinary arts classroom, more space for fine and performing art classes and the relocation of some classrooms and offices. Facility improvements included kitchen and cafeteria areas. Construction included a new storm shelter for the campus. This gymnasium features a 15,000 square foot FEMA concrete dome and serves as protection from severe storms.

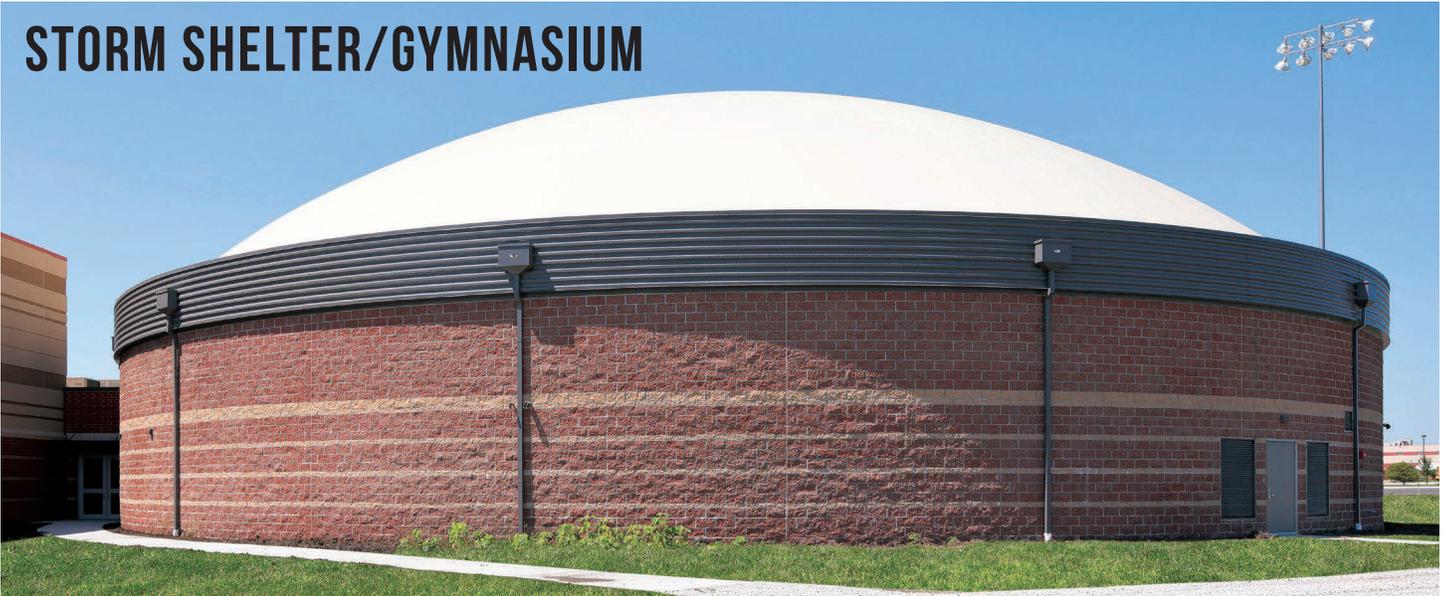
Pottorff supplied our XAV-545 aluminum FEMA grilles for this project.

5 year warranty

POTTORFF®

For more info, visit www.pottorff.com.

STORM SHELTER/GYMNASIUM



This dual-purpose domed gymnasium was built to function as a storm shelter and can withstand an EF-5 tornado. Features 12" of concrete in the walls and four layers of concrete in the ceiling.

FEMA GRILLES

When your building must have superior protection from violent weather such as hurricanes and tornadoes, Pottorff offers our inverted V blade, 5 ½" aluminum and 8" steel grille louvers.



XSV-845
8" Steel FEMA Grille Louver



XAV-545
5 ½" Aluminum FEMA Grille Louver
AMCA Certified: Water Penetration, Air Performance

- **FEMA 320 and 261 Rated for Storm Shelters and Safe Rooms**
- **Classified as a UL Windstorm Rated**
XAV-545 is UL Approved for Installation into Concrete, CMU, or Structural Steel Substrates
- **ICC-500-2014 Compliant**
This is the standard from the International Code Council that ensures products placed into shelters and safe rooms meet essential safety criteria. The XAV-545 meets this criteria.
- **The XAV-545 is AMCA Certified for Water Penetration and Air Performance**



FEMA

Pottorff's FEMA rated grilles are AMCA certified and can withstand design loads of 300 PSF produced by extreme weather phenomena. They have been tested with impacts of 15 lb 2x4s traveling at 100 MPH as per ICC 500. The inverted V blades mean high free area, excellent resistance to water penetration and very low airflow resistance while providing maximum protection against high winds and wind-borne debris.

POTTORFF®

For more info, visit www.pottorff.com.