

QUAD-DECK PROJECT SUMMARY

Project Description

Location:

- Slidell, LA

Project Type:

- Single Story High School with parking underneath
- Including classrooms, administrative offices, kitchen/cafeteria, restrooms and gymnasium

Size:

- Building Area: 140,000+ sqft over 20 Buildings

Products Used:

- Quad-Deck (12") with an additional 3" cap
- Concrete Pre-cast panels for exterior walls

Project Partners:

- Fauntleroy & Latham Architects (Design Firm)
- Roy Anderson Corp. (GC)
- Building Specialties Co. (Quad-Lock Dealer)

www.quadlock.com
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High School Rebuilt After Katrina

Slidell, LA is an upper-middle class suburb on the shores of Lake Pontchartrain, and was hit particularly hard by the winds and storm surge of hurricane Katrina. The storm surge pushed over eight feet of water through the area. Salmen High School was all but demolished by the storm. When FEMA's assessment was complete, it showed more than 51% of the facility was destroyed beyond repair. Constructed in 1965, the 20 buildings damaged by the hurricane encompassed a combined area of 153,984 square feet and contained multiple classrooms, administrative offices, a kitchen/cafeteria, restrooms and a gymnasium.



The scope of the project was even more amazing based on the fact that they had to have this school ready for occupancy by fall 2010. The fast paced construction schedule made the Quad-Deck Floor and Roofing System ideal for the project.

Quad-Deck was designed into the project at the start with the help of Quad-Lock's "go to" technical support team. The 12" Quad-Deck floor system was built on concrete piers with an additional 3" of EPS on top of the Quad-Deck to increase the beam depths for added load and span capacity. Quad-Deck was also chosen for its exceptional insulation benefits as well as for the additional sound reduction to the parking garages located under some of the buildings.

Concrete precast panels were selected for the exterior of the building. Typical panelized foundations can be erected in four to five hours, without the need to place concrete on site for the foundation. Combined with the Quad-Deck Floor and Roofing System, the result is a foundation that can be installed in any climate zone in one sixth of the time needed for a formed concrete wall. This project is on track to create a durable, sustainable and safe haven for over 500 students and over 50 teachers at Salmen High School.