



# PROJECT PROFILE

## Blackshear Elementary School

Klein, Texas

*Client:*  
Klein Independent School District  
Klein, Texas

*Approximate Construction Cost:*  
\$14,950,000.00

*Year Completed:*  
April 2011

*Services Provided:*  
Design Review & QAI Services

*Contractor:*  
Premium Roofing Services, LLC (Single Ply)  
Byrne Metals Corp. (SSMR)



As part of a recent Bond Program to meet the needs of the growing district Klein ISD implemented the design and construction of several new school facilities including Blackshear Elementary School. The District retained the services of PCI to provide design/constructability peer review of the roofing related specifications and drawings prepared by the Project Architect and to provide construction support and quality assurance inspection during the roof installation activities.

The new roof construction consisted of two types of roofs including steep-sloped standing seam metal panels roof on 52,500 square feet and a low-sloped TPO single ply membrane on 72,200 square feet. The single ply system consisted of a 60-mil TPO membrane mechanically attached over polyisocyanurate insulation on a steel deck. The roof construction over the gymnasium consisted of a fully-adhered 60-mil TPO membrane over tapered polyisocyanurate insulation crickets on an OSB/EPS/Fibrous composite panel deck supported by steel framing. The standing seam system consisted of striated metal panels with mechanically formed standing seams installed over fiberglass blanket insulation over open structural steel framing. A 15-year warranty was provided for the single-ply system and a 20-year weathertightness warranty was provided for the standing seam metal roof.