



PROJECT PROFILE

Klein HS Auditorium

Klein, Texas

Client:
Klein Independent School District
Klein, Texas

Approximate Construction Cost:
\$443,000.00

Year Completed:
October 2006

Services Provided:
Assessment, Design, & Const. Admin.

Contractor:
KBR Services
Pasadena, Texas



Klein ISD is situated in the Northern portion of Harris County in Houston, Texas. One of the original schools constructed in the District was Klein High School which was built in the 1960s. The school is comprised of classroom/office areas, cafeteria, gymnasiums, commons areas, and an auditorium. After a severe thunderstorm with high winds that occurred in the fall of 2005, a section of brick veneer had become displaced from an exterior wall of the Auditorium. The Auditorium was originally constructed in 1972 and was comprised of structural steel framing and brick veneer with raked mortar joints. Klein ISD hired PCI to perform a condition assessment and to prepare scope of work for corrective measures to be implemented utilizing a Job Order Contract.

PCI personnel performed a condition assessment that included visual documentation of existing conditions; collection of representative photographs; and performing excavations into the brick masonry at select representative locations. The findings of the assessment were presented in an engineering report together with recommendations for corrective action and photographs. PCI then prepared a scope of work for removal of a majority of the veneer due to corroded and missing tie-anchors; installing new dampproofing to CMU back-up wall; installing new brick ties; installing new through-wall flashings; installing retrofit anchors in select remaining masonry veneer; and tuckpointing of the remaining masonry.