



PROJECT PROFILE

KISD/Klein Forest High School

Houston, Texas

Client / Reference

Mr. August Wunderlich / Klein Independent School District
7200 Spring Cypress, Klein, Texas 77379
832/249-4520 / awunderlich@kleinisd.net
Length of Business Relationship - 18 years

Approximate Construction Cost / A/E Contract Cost:
\$2,675,000/\$210,000

Year Completed / A/E Contract Completion Date:
2023

Services Provided:
Design, Bid, CA, & QAI Services

PCI Project Manager/Architect/Designer:
Karl Schaack

Contractor:
Vogler Sheet Metal



Klein Forest High School was originally constructed in 2001 and encompasses a plan area of approximately 380,000 square feet. The original roof was comprised of thermoplastic TPO single ply membrane applied over and existing built-up roof on lightweight insulating concrete fill with EPS board over either metal form deck or cementitious fibrous deck panels. KISD employed the services of PCI to prepare specifications and drawings for the replacement of the roof on select areas; assisted with competitive sealed proposal process; and provided construction support and quality assurance inspections during the roof replacement activities.

The scope of work developed by PCI consisted of removal of the existing roofing materials down to the existing metal and lightweight insulating concrete roof decks; installation of flat stock layers of mechanically attached polyisocyanurate insulation board, cover board set in low-rise foam adhesive, and a fully-adhered TPO single-ply membrane. The work also involved the replacement of several translucent panel skylights; raising through-wall flashings along rise walls with both brick masonry and metal wall panels; installation of new sheet metal edge flashings; installation of fall-guard handrails around roof roof hatches; and replacing sealants in masonry control joints in rise walls; with a 20-year NDL warranty.

