



PROJECT PROFILE

Ross S. Sterling High School

Houston, Texas

Client:
Houston Independent School District
Houston, Texas

Approximate Construction Cost:
\$119,000.00

Year Completed:
October 2009

Services Provided:
Design, CA, & QAI Services

Contractor:
J.A. Walker Roofing
LaMarque, Texas



Ross S. Sterling High School opened as a junior/senior high school in the fall of 1965 and became a senior high school exclusively with the 1968–1969 school year. HISD Construction Services Department retained the services of PCI to prepare specifications and drawings for replacing a metal roof located on a steep sloped area that surrounded the higher gymnasium roof. PCI also assisted with bidding and provided construction support and quality assurance inspection. The existing roof consisted of a standing seam metal roof panels over fiberglass blanket insulation over open framing of Z-shaped purlins encompassing approximately 10,000 square feet. The metal roofs sloped at 6/12 from a high eaves to a lower roof level.

The scope of work developed by PCI consisted of installation of "fill" insulation on the metal panels between the standing seams; installation of plywood sheathing over the fill insulation that was secured to both the metal panels and the structural steel framing members; installation of a self-adhering elastomeric underlayment fully-adhered to the plywood; and installation of new pre-finished metal roof panels with the clips secured into the plywood sheathing. New sheet metal counter flashings, cap flashings, expansion joint covers, and ridge caps were also installed on the roof.