



PROJECT PROFILE

Mark Twain Elementary School

Houston, Texas

Client:
Houston ISD
Houston, Texas

Approximate Construction Cost:
\$8,867,400.00

Year Completed:
December 2005

Services Provided:
Design, CA, & QAI Services

Contractor:
JR Jones Roofing Co., Inc. (MB)
Metal Specialites (SSMR)



PCI was engaged by Courtney Harper & Associates Architects as the roof consultant for the design and construction of a new elementary school for Houston Independent School District located in Houston, Texas. The construction of the new school was part of a Bond Program passed by the District for the improvement of school facilities for the students.

The roof of the new school building consisted of a combination of low-sloped roof areas encompassing approximately 52,000 square feet and steep-sloped roof areas encompassing approximately 18,400 square feet. The roof system on the steep-sloped areas consisted of installation of insulation composite nail board screw attached to a steel deck; a self-adhered elastomeric underlayment; and a standing seam metal panel roof. Tapered metal panels were installed on the circular-shaped roof area.

The roof system on the low-sloped areas consisted of polyisocyanurate (ISO) insulation board mechanically attached to the steel deck; a perlite cover board insulation set in hot asphalt on top of the ISO; and a 2-ply SBS modified bitumen membrane set in hot asphalt. 20-year roof system warranties were provided by both of the roof material manufacturers for this project.

