



PROJECT PROFILE

Children's Museum

Houston, Texas

Client:
Children's Museum of Houston
Houston, Texas

Approximate Construction Cost:
\$116,720.00

Year Completed:
March 2011

Services Provided:
Assessment, Design, & CA

Contractor:
Premium Roofing Services, LLC
Houston, Texas



The Children's Museum of Houston is a two story steel frame building that was constructed around 1991. A building addition constructed in 2007 included a children's playground area on a roof level terrace encompassing approximately 1,950 square feet. The terrace deck was constructed with structural concrete fill over a metal form deck that sloped toward three interior roof drains. The terrace deck was covered by a 1½-inch thick layer of polyisocyanurate insulation and a mechanically attached PVC single ply roof membrane. The roof membrane was covered by interlocking rubber pavers that were approximately 2-feet square and 2¼-inches thick that experiencing warping, deterioration, and separation.

The Museum employed the services of PCI to perform an assessment, develop scope of remedial work, and provide construction technical support and administrative services during the renovation work. The scope of work included removing and disposing of the existing pavers, single ply roofing, insulation, sheet metal and flashings down to the existing concrete deck; installing tapered polyisocyanurate and secondary insulation set in foam adhesive; fully-adhering reinforced thermoplastic single-ply membrane and related flashings; installing a slip sheet and prefabricated drainage panel with integral filter fabric; and installing rubberized interlocking pavers. The scope of work also included new dual-level drains and pre-finished sheet metal flashings at rise walls.

