



PROJECT PROFILE

MHNE Hospital - SE Tower

Humble, Texas

Client:

Memorial Hermann Healthcare System
Houston, Texas

Approximate Construction Cost:

\$267,500.00

Year Completed:

November 2011

Services Provided:

Design, CA, & QAI Services

Contractor:

Pyramid Waterproofing
Houston, Texas



The subject hospital building is a multi-story hospital comprised of a two tower buildings and several adjoining lower roof areas. MHHS retained the services of PCI to prepare specifications and drawings for replacement of the roof on the Southeast Tower. The building is an 8-story steel-framed structure with brick masonry veneer and strip windows constructed in the early 1970s.

The existing roof construction consisted of a built-up roof membrane with either a smooth-surfaced or granule-surfaced cap sheet over fiberglass insulation over an original built-up roof on a tapered lightweight insulating concrete fill over a structural concrete on metal form deck encompassing approximately 16,400 square feet. The scope of roofing work consisted of removing the existing roofing materials down to the lightweight concrete deck; adhering polyisocyanurate insulation board to the LWIC deck with low-rise foam; setting a gypsum roof cover board in low-rise foam; and fully-adhering a thermoplastic single ply membrane in cold adhesive. The work also included installation of new sheathing and sheet metal coping on parapet walls; new through-wall overflow scuppers in the parapet walls; new walkways; new sheet metal pans and covers at davit base locations; and recertification of the lightning protection system. PCI also assisted the Owner during the bid process and provided construction support and quality assurance inspections during the work.

