



# PROJECT PROFILE

## Memorial Hermann NE Hospital

Humble, Texas

*Client:*  
Memorial Hermann Healthcare System  
Houston, Texas

*Approximate Construction Cost:*  
\$1,101,700.00

*Year Completed:*  
September 2008

*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 one-story original portion of the hospital; assist with bidding; and provide construction support and quality assurance inspection.

The existing roof consisted of a gravel-surfaced built-up roof membrane over fiberglass insulation on a tapered lightweight insulating concrete fill and a metal form deck. The scope of work consisted of removing the existing roofing materials down to the lightweight concrete deck; installing polyisocyanurate insulation board mechanically attached to the metal form deck with heavy-duty screws and plates; setting a gypsum roof board in low-rise foam; torch-applying one-ply of granule-surfaced modified bitumen ply sheet; and setting a fleece-back thermoplastic single ply membrane in cold adhesive. The scope of work also included the demolition of numerous roof-top equipment curbs and penetrations; repairing the abandoned deck openings; replacement of sealants in parapet wall coping stones; re-working through-wall flashings in the masonry rise wall of the adjoining South tower; installing new supports for roof-top piping; miscellaneous repairs to the roof of the Southeast Tower; and recertification of the lightning protection system.