



PROJECT PROFILE

Memorial Hermann SE Hospital Houston, Texas

Client:

Memorial Hermann Healthcare System
Houston, Texas

Approximate Construction Cost:

\$397,400 (Phase I) & \$439,000 (Phase II)

Year Completed:

November 2011 (I) & January 2013 (II)

Services Provided:

Design, CA, & QAI Services

Contractor:

Competition Roofing, Inc. (Phase I)
Pyramid Waterproofing (Phase II)



The facility is comprised of 38 low-sloped roof levels of various ages and compositions encompassing 160,000 square feet. MHHS retained the services of PCI to prepare specifications and drawings for replacement of "old" gravel-surfaced built-up roofs on various roof levels encompassing 44,350 square feet and to be performed in two phases. PCI also assisted with bidding and provided construction support and quality assurance inspection during the roof replacement activities.

The existing roofs consisted of gravel-surfaced built-up roof membranes over perlite insulation on structural concrete decks. The scope of work consisted of removing the existing roofing materials down to the concrete deck; installing tapered polyisocyanurate insulation board and a gypsum roof cover board in low-rise foam; applying a two-ply modified bitumen roof membrane comprised of a self-adhered base ply and a torch-applied white-colored granule-surfaced modified bitumen cap sheet. The scope of work also included the installation of new membrane flashing and sheet metal coping on parapet walls; installation of liquid flashing at various roof penetrations; installing new membrane and sheet metal flashings along penthouse rise walls; new supports for roof-top piping and equipment; and re-installation of the lightning protection system.