



# PROJECT PROFILE

## MHNE Hospital - SE Tower

Humble, Texas

*Client:*  
Memorial Hermann Healthcare System  
Houston, Texas

*Approximate Construction Cost:*  
\$293,500.00

*Year Completed:*  
October 2011

*Services Provided:*  
Design, CA, & QAI Services

*Contractor:*  
Taylor Waterproofing  
Houston, Texas



The subject hospital building is a multi-story hospital comprised of a two tower buildings and several adjoining lower roof areas. The Southeast Tower portion of the hospital had been experiencing water infiltration through the exterior walls for many years. In the past years, sealants were replaced at joints and around windows; however, leaks persisted. Memorial Hermann Healthcare System retained the services of PCI to perform an assessment of the conditions and to prepare specifications and drawings for the required repairs to the facade on the Southeast Tower. The building is an 8-story steel-framed structure with brick masonry veneer and strip windows. The existing exterior walls consisted of brick masonry installed in a traditional running bond fashion with soldier course accent strips at the top of the walls and at shelf angles at each floor elevation. The back-up wall consisted of exterior gypsum sheathing with bituminous dampproofing over metal stud framing.

The scope of the facade repair work included replacement of sealants in control joints in the masonry; replacing sealant at joints between the masonry and window-frame perimeters; re-working the through-wall flashings at shelf-angles at each floor elevation in the exterior masonry walls; routing/sealing cracks in the masonry; replacing broken bricks; and re-securing loose sunshades. PCI also assisted with bidding and provided construction support and quality assurance inspections.