



# PROJECT PROFILE

## F.S. Sarofim Research Bldg. Houston, Texas

*Client:*  
University of Texas Health Science Center  
at Houston  
Houston, Texas

*Approximate Construction Cost:*  
\$229,000,000

*Year Completed:*  
August 2006

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

*Contractor:*  
Vaughn Construction Co.  
Houston, Texas



PCI was engaged by UTHSC as the building envelope consultant for a new construction project for the Faye S. Sarofim Research Building. The 223,000-square-foot building was designed by Berkebile Nelson Immenschuh McDowell Architects (BNIM). PCI's services included providing technical consultation during the Design Phase; reviewing submittals associated with the building envelope components/systems during the construction; performing on-site inspections during the application of the air barrier and through-wall flashings; performing quality assurance inspections during the installation of the roofs; and performing/assisting with flood-testing of waterproofing system.

The new roofs consisted of three different systems including installation of flat stock and tapered polyisocyanurate insulation board and gypsum roof board set in low-rise foam on top of the concrete deck and a PVC single-ply membrane; steel deck, polyisocyanurate insulation and gypsum board, underlayment, and zinc standing seam metal roof; and hot-rubberized asphalt waterproofing with EPS board and concrete pavers on pedestals. The weather-resistant barrier consisted of a fluid-applied air barrier system with self-adhering flashings at penetrations, windows, and slab edges applied over gypsum sheathing, CMU, and concrete back-up walls with a clay tile rainscreen cladding system and metal wall panels.