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 Fayez 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-resistive 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.

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