



PROJECT PROFILE

Ezekial W. Cullen Building

Houston, Texas

Client:
University of Houston
Houston, Texas

Approximate Construction Cost:
\$842,000.00

Year Completed:
May 2011

Services Provided:
Design, Const. Admin, & QAI

Contractor:
PRC Roofing Co., Inc.
Houston, Texas



The Ezekiel W. Cullen Building serves as the main administrative headquarters of the University of Houston and the University of Houston System. The building was designed by Texas architect Alfred C. Finn in the Art Deco style and opened in 1950. PCI was retained by UH to perform a condition assessment and then prepare documents for replacement of the tile roof and miscellaneous repairs to the building facade. The scope of work was to remove and salvage the existing clay tiles; remove the existing wood nailers and felt underlayment down to the lightweight insulating concrete deck; install a base sheet and new self-adhering underlayment; install new wood nailers; and re-install the salvaged tile and/or install new tile. The pan tiles were set in low-rise foam on top of the underlayment and the cover tiles were secured to the wood nailers with copper ring-shank nails. Hurricane clips were installed at the head laps of the first two courses of tiles and sealant was applied at the head laps of the tiles for additional wind resistance. New copper sheet metal flashing were installed at roof terminations, rise walls, and valleys. Colored mortar was applied along the hips and ridges. An internal gutter was re-worked with new tapered substrate, new self-adhering underlayment, and new stainless steel gutter liner. Existing drains were abandoned and capped and drainage provided by downspouts. The repairs and renovations on the building facade consisted of repairs to cracks and spalls in the limestone cladding, and sealant replacement at windows.