



# PROJECT PROFILE

## Julia Ideson Library

Houston, Texas

*Client:*  
City of Houston  
Houston, Texas

*Approximate Construction Cost:*  
Unknown

*Year Completed:*  
August 2011

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

*Contractor:*  
SpawMaxwell Company  
Houston, Texas



PCI was engaged by Gensler as a building envelope consultant for a project involved with the Julia Ideson Library in Downtown Houston, Texas. The project included the construction of a new wing and renovations to the existing library building that was originally constructed in 1926. The scope of work that PCI was responsible for included replacement of the roof on the existing library building; development of roof design for the new addition; performing on-site inspections during the application of the air barrier and installation of the new roof; and performing water penetration testing of the new and replacement windows. The existing roof consisted of a gravel-surfaced built-up roof membrane over fiberglass insulation on a concrete deck.

The new roof on the existing building and the new wing consisted of installation of tapered polyisocyanurate insulation board and gypsum roof board set in low-rise foam on top of the deck; torch-applying one-ply of a granule-surfaced modified bitumen ply sheet; and setting a fleece-back thermoplastic single ply membrane in cold adhesive. New barrel-shaped clay tiles were installed over an elastomeric self-adhering underlayment that was adhered to either a wood deck or a composite nailboard mechanically attached to a steel deck on two canopy-type roof areas. The work also included the installation of new copper sheet metal flashings at rise walls.