



PROJECT PROFILE

UTHSC/School of Public Health Houston, Texas

Client:
UTHSC-H
Houston, Texas

Approximate Construction Cost:
\$1,083,546

Year Completed:
September 2003

Services Provided:
Design, CA, & QAI Services

Contractor:
Competition Roofing, Inc.
Houston, Texas



As a community-sensitive health science institution, The University of Texas Health Science Center – Houston strives to ensure a better quality of life for humankind. UTHSC personnel were interested in pursuing roof replacement options that would provide benefits to not only the building users but also the general public. The primary roofing option considered was “Cool Roofing Technologies” involving systems that utilize either a white reflective surfacing or a garden roof.

The School of Public Health is a 12-story health training/ education facility located in the Medical Center in Houston, Texas. The existing roof construction consisted of spray-applied polyurethane foam over a built-up roof, asphaltic thermosetting fill, and a concrete deck. The scope of work consisted of removing the existing roof materials down to the deck and installation of a new roofing system. On one portion of the roof the new roof consisted of tapered polyisocyanurate insulation set in low-rise foam adhesive and a two-ply modified bitumen roof system with a field-applied white elastomeric coating. On the remaining portion, a two-ply modified bitumen membrane was installed on top of the deck followed by the installation of a drainage panel, EPS insulation, and an engineered growing medium or pavers. An extensive garden roof assembly consisting of various native Texas plants was created.