



# PROJECT PROFILE

## IAH/Terminal C

Houston, Texas

*Client:*  
City of Houston  
Department of Aviation  
Houston, Texas

*Approximate Construction Cost:*  
\$2,544,700.00

*Year Completed:*  
May 2001

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

*Contractor:*  
Roof-Top Service Company, Inc.  
Houston, Texas



Terminal C at Intercontinental Airport in Houston (IAH) was constructed in 1980/1981 and serves numerous flights for United Airlines. PCI was retained by 3DI to prepare specifications and drawings for replacement of the roof on the North and South Concourses of the terminal building which encompass a plan area of approximately 437,100 square feet. PCI also assisted with bidding; provided construction support; and performed quality assurance inspections during construction.

The existing roof consisted of a gravel-surfaced built-up roof, fiberglass insulation, a lightweight insulating concrete fill (LWIC) over corrugated metal form deck. The scope of work consisted of removal of the existing roofing materials down to the LWIC; mechanical attachment of a venting base sheet to the LWIC; installation of tapered polyisocyanurate insulation board and perlite roof cover board set in hot asphalt; installation of four plies of fiberglass felts set in asphalt; and a torch-applied granule-surfaced SBS modified bitumen cap sheet. The scope of work also included the installation of new prefinished sheet metal coping on parapet walls; new premanufactured supports for roof-top piping; application of elastomeric coating on plaster rise walls of penthouses. The daily operations of the airport continued without disruptions.

