



PROJECT PROFILE

Express Jet Hangar

Houston, Texas

Client:
Express Jet Airlines
(formerly Continental Express)
Houston, Texas

Approximate Construction Cost:
\$960,000

Year Completed:
May 2010

Services Provided:
Design, CA, & QAI

Contractor:
CentiMark Corporation
Houston, Texas



Express Jet Airlines (formerly Continental Express) operates a maintenance hangar located adjacent to the South runway at the George Bush Intercontinental Airport in Houston, Texas. The building is a two-story structure housing office and two maintenance bays for regional jets. The roof had sustained damage on the northern portion of the facility during Hurricane Ike in 2008. PCI worked in conjunction with Fehr Grossman Cox Architects for roof replacement of the building encompassing a plan area of approximately 80,000 square feet.

The scope of work included removing the existing built-up roof and fiberglass insulation down to the steel deck or lightweight insulating concrete substrate; installing polyisocyanurate insulation board mechanically attached to the fluted steel deck metal form deck with heavy-duty screws and polymer-coated plates; and installation of a 60-mil TPO single ply membrane. The TPO membrane was adhered to the top surface of the coated plates via induction welding method. The scope of work also included installation of new sheet metal edge flashings along the perimeters; removing abandoned vent curbs and repairing deck openings; new pre-manufactured supports for roof-top piping; new guy wire anchors for equipment hoods; replacing skylights with new fall-guard screens; and replacing roof-top HVAC units.

