



PROJECT PROFILE

Chelsea Food Service

Houston, Texas

Client:
Continental Airlines
Houston, Texas

Approximate Construction Cost:
\$1,569,000

Year Completed:
August 2008

Services Provided:
Design, CA, & QAI

Contractor:
Competition Roofing, Inc.
Houston, Texas



Chelsea Food Service building was constructed in 1989 and is located at the George Bush Intercontinental Airport in Houston, Texas. Meal preparation for the numerous flights that leave from IAH are prepared in the facility that operates 24 hours per day, 7 days a week. PCI worked in conjunction with Fehr Grossman Cox Architects to prepare specifications and drawings for the scope of work that included the following: roof replacement and replacement of soffit and lighting on the loading dock. The existing roof consisted of an EPDM single ply membrane mechanically attached over polyisocyanurate insulation into a fluted steel deck. The roof encompassed a plan area of approximately 110,000 square feet. The roof replacement design consisted of complete removal of the existing roof materials down to the deck; installation of polyisocyanurate insulation and gypsum roof board both mechanically attached to the steel deck; and installation of a two ply modified bitumen roof membrane with a white-colored cap sheet. The two-ply modified bitumen roof membrane was set in cold-applied bituminous-based adhesive with heat-fused lap seams. The scope of work also included installation of new sheet metal coping cap on parapet walls; recertification of lightning protection; wet sealing a roof-top skylight; and replacing sealants in the exterior building wall joints.