



PROJECT PROFILE

Office Building Chancery Bangkok, Thailand

Client:
U.S. Department of State
Overseas Building Operations
Arlington, VA

Approximate Construction Cost:
\$1,100,000.00

Year Completed:
March 2007

Services Provided:
Design & QAI Services

Contractor:
American Roofing & Sheet Metal Co.
San Antonio, TX



The U.S. Embassy for Thailand is located in the capital city of Bangkok. The main building is called the Office Building Chancery which is a 5-story concrete framed structure that was constructed in the mid 1990s. One of the projects that was assigned to PCI under an IDQ contract was the design for roof replacement of the subject building. PCI services also included technical consultation and quality assurance inspections during the roof replacement.

The existing roof construction consisted of an EPDM single ply membrane adhered to insulation on a concrete deck. The deck extended beyond the exterior building wall along the perimeter of the building. The scope of work included the complete removal of existing roofing down to the deck; torch-applying a two-ply SBS modified bitumen on top of the deck; and loose laying a drainage panel, extruded polystyrene insulation, and concrete pavers on top of the membrane in an IRMA. The insulation/pavers were eliminated and a granule-surfaced modified bitumen cap sheet was installed on the cantilevered portions of the roof. Work also included installing new sheet metal flashings along the perimeters, curbs, and penetrations; application of elastomeric coating on roof-top duct work and exposed concrete rise walls and equipment curbs.

