



# PROJECT PROFILE

## U.S. Federal Court House

Corpus Christi, Texas

*Client:*  
General Services Administration  
Ft. Worth, Texas

*Approximate Construction Cost:*  
Unknown

*Year Completed:*  
2011

*Services Provided:*  
Design Build

*Contractor:*  
Cardinal Roofing  
Dallas, Texas



The U.S. Federal Building is located on Shoreline Drive in Corpus Christi, Texas. The building was constructed in 1997 and is generally comprised of structural steel framing. The roof consisted of two types of construction including a low-sloped modified bitumen roof and steep-sloped clay S-shaped tile roofs. Leaks were experienced in the tile roof areas almost since original construction.

PCI joined forces with Cardinal Roofing in a Design-Build collaboration to accomplish the work. The scope of work included removing and salvaging the existing clay tiles; removing the felt underlayment down to the plywood sheathing; installing new self-adhering underlayment; installing new wood battens; and re-installing the salvaged tile and/or installing new tile. The tiles were secured to the wood battens with stainless steel screws and set in low-rise foam on top of the underlayment. Hurricane clips were installed at the head laps of the hip and ridge tiles and sealant was applied at the engaged side lap of the tiles for additional wind resistance. New copper sheet metal flashing were installed at roof terminations, rise walls, and valleys. Colored mortar was applied at all of the tile terminations at head walls, side walls, penetrations, and valleys. The scope of work also included the application of a new white-colored elastomeric coating over the existing modified bitumen roof membrane.

