

M. D. Anderson Cancer Center - Cancer Prevention Building (CPB)

Peer Review, Testing, and Construction Observations

Houston, Texas



CLIENT

FKP Architects, Inc.

CHALLENGE

As part of a design-build team for a high-profile medical facility, FKP Architects needed assistance with establishing performance requirements and testing criteria for the curtain wall and punched window assemblies, and designing a below-grade waterproofing system. The below-grade areas of the building were intended to house professional offices and medical laboratory facilities. Consequently, the integrity of the waterproofing system was paramount to the performance of the building.



STRUCTURE

The M. D. Anderson Cancer Center- Cancer Prevention Building (CPB) is a 320,000-square-foot state-of-the-art facility for the treatment of cancer patients. The exterior walls of this eight-story building consist of architectural precast concrete panels, an aluminum-glass curtain wall with ornamental fins and metal panels, punched aluminum frame windows, insulated metal panels, and granite panels.

SOLUTION

WJE peer reviewed the drawings and specifications at various stages and provided specifications and design details for a complete waterproofing system. A PVC waterproofing membrane system was selected for the below-grade waterproofing. During construction, we participated in coordination meetings, provided observation services, reviewed shop drawings and material submittals, and evaluated proposed modifications to the various systems. We also oversaw laboratory and other testing related to the exterior walls. WJE's participation resulted in a cost-effective exterior envelope that supports the aesthetics and performance desired by the architect and owner.

