

COREFLEX[®], GREENSCAPES[™] STANDS UP TO HOSPITAL PLAZA RESTORATION STANDARDS

Existing plaza deck seated at the core of the Mercy Hospital Complex was in need of a face lift to incorporate greenscape, hardscape and water features. The renewed plaza would serve as a gathering place for both hospital employees and patients.



PROJECT

Mercy Hospital

GENERAL CONTRACTOR:
McCarthy Construction

ARCHITECT: Archimages Inc.

ENGINEER: SSE Inc.

LANDSCAPE DESIGN: SWT Design

APPLICATORS:
Western Waterproofing

LOCATION

St. Louis, Missouri, USA

PRODUCTS

COREFLEX[®]

GREENSCAPES[™]

HydroShield[™] Quality
Assurance Program

CHALLENGE:

Remove the existing overburden to expose structural slab, maintain waterproof integrity over occupied space, install new waterproofing system and greenscape.

SOLUTION:

CETCO's COREFLEX[®] was selected over other membrane systems for two primary reasons. First and foremost, the existing adhered membrane did not need to be removed thus limiting the exposure of the underside occupied space to potential water ingress. Additionally, the cost, noise and scheduling associated with removal of the existing membrane was eliminated. Secondly, safety, air quality and odors were key concerns with the alternative hot applied membrane. The dangers associated with hot applied membranes and fumes near air intakes was objectionable.

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Scheduling sequencing and changes provided challenges for the CETCO approved applicator, Western Waterproofing, but technical support from CETCO provided design details and the incorporation of accessory waterproofing systems to assure a seamless waterproofing system. Furthermore the durability of the exposed COREFLEX[®] finish was capable of withstanding the rigors of trade traffic during construction.

Because this project was participating in the HydroShield[™] Quality Assurance Program a third-party inspection firm, SSE Inc., was employed to regularly check installation progress and certify that application procedures were met throughout the application process.

After a successful waterproofing installation, a GREENSCAPES[™] Green Roof, hardscape and water features were installed to provide beneficial greenspace.

RESULT:

Upon completion of the project, Mercy Health Care will receive a 15 year, “no dollar limit” material and labor warranty from CETCO and be assured that in addition to a newly enhanced plaza they are guaranteed a watertight structure.