



## PROJECT PROFILE: Southern NH Medical Center – Nashua, NH *Parking Garage*

**CHALLENGE:** Water was leaking through the roof deck into the X-Ray Department of Southern NH Hospital.

**THE ALPHA SOLUTION:** The Alpha Team provided weatherproofing throughout all the various roofing elements and configurations using advanced polymer, fluid-applied roofing technology. A seamless, waterproof, elastomeric skin with no fasteners, seams, welds or joints was applied over complex roof and slab details.

**THE PROCESS:** After the existing roofing system was removed and proper surface preparation completed, Alpha applied an appropriate surface primer, and the new fluid-applied system was hand applied to the concrete deck, with a blown-glass in-mat form incorporated into the system to provide crack bridging and durability. A topcoat was then applied to form a monolithic, VOC compliant, UV resistant system that will withstand constant pooling of water without impacting the warranty.

Alpha Weatherproofing's high-performance roof refurbishment solutions are accomplished without torches, kettles, or heating equipment and our technicians complete through wall flashings for a final waterproof application. These manufacturer-monitored installations can have 10 to 30 year waterproofing system warranties upon completion.



**Photo 1:** An appropriate surface primer was applied, and the new fluid-applied system was hand applied to the concrete deck, with a blown-glass in-mat form incorporated into the system to provide crack bridging and durability.

**Photo 2:** Drain and flashing details were applied using appropriate primers, reinforcing mat and liquid membrane.

**Photo 3:** After the top coat of the waterproofing system had cured on highly-trafficed areas, another coat of liquid membrane was applied and silica sand was broadcast into the surface.

**Photo 4:** The broadcast system and the "lock coat" were applied in copper green and a water test was then performed to complete the application.

**SERVING NEW ENGLAND SINCE 1981, Alpha Weatherproofing Corporation** provides engineers, architects, building owners and property managers throughout Greater Boston & New England with comprehensive weatherproofing and building envelope restoration services including:

Façade Inspection & Repairs | Concrete Repair & Restoration | Masonry Repair & Restoration | Specialty Coatings & Flooring | Sealant Removal & Replacement | Parking Garage Repair & Traffic Coatings | Waterproofing Systems  
Roofing Installation (Flat, Slate, Copper) | Roofing Maintenance