

PROJECT HISTORY – **OUTDOOR WORK IN EXTREMELY COLD TEMPERATURES**

SHERATON HOTEL – CROWN CENTER

KANSAS CITY, MISSOURI

COMPLETION: 2013



Before

PROJECT ASSESSMENT

“What needed to be done”

The Sheraton Hotel – Crown Center swimming pool is located five (5) stories above ground level, and directly above the hotel’s main kitchen. Drained in early November 2013 for some minor remedial work, a surprise cold snap with frigid temperatures stopped the work in its tracks. Within a day of experiencing extremely cold temperatures on the outdoor portion of this concrete pool, and heated kitchen temperatures underneath, the concrete shell developed a number of cracks from ‘thermal shock’. Subsequently, melting water from snow showers seeped through the cracks into the kitchen below, causing it to have to close.

RENOVATION PLAN

“How it was done”

Successful completion of this Project had many challenges. The pool had layers of paint that had to be removed, cracks had to be sealed, water intrusion into the room below had to be stopped, the work area had to remain dry, all while temperatures remained in the teens. Most notably however, Christmas was just a few weeks away when the hotel would be totally booked for festivities and celebrations. Both the swimming pool and kitchen below were inoperable. We made a decision to perform all the required work in completely dry

conditions without the use of any water. Pool paint was removed manually with every square inch of debris and residue hand vacuumed. The entire pool was tarped and heated with materials-friendly radiant heat. Cracks were routed, cleaned, injected with epoxy and permanently sealed with Aramid fabrics. Ceramic racing lane tiling was set. Finally, the entire pool was re-surfaced with INTER-GLASS®. The Project was successfully completed, pool filled with water and in operation a week before Christmas.



Renovation Result

SAMPLE PICTORIAL SEQUENCE OF RENOVATION ON BACK OF THIS PAGE

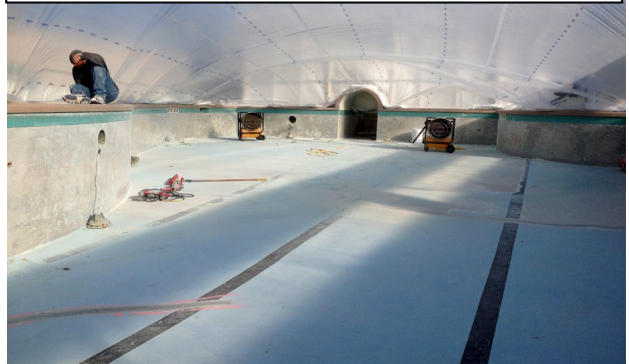
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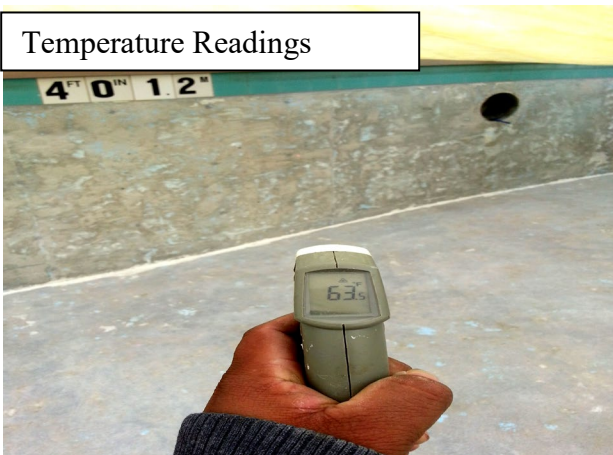
Paint Removal Underway



Structure Tarped, Radiant Heating Begins.



Temperature Readings



Epoxy Injection in Progress



New Racing Lanes, Aramid Fabrics in Place



Spa re-surfacing in Progress.



PROJECT SPECIFICATIONS:

TOTAL SQ. FT.:

2,600 TOTAL SQUARE FEET W/ THERAPY SPA

POOL SHAPE:

MODIFIED RECTANGLE

TYPE OF CONSTRUCTION:

FORMED & POURED

TYPE OF INTERIOR FINISH:

INTER-GLASS®