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T.B. PENICK & SONS, INC.

1905 *Centennial* 2005

INNOVATIVE CONCRETE SYSTEMS

T.B. Penick & Sons Innovative Concrete Systems

Put History on Your Side

December 2006

Dear Christina,

As another year draws to a close, we would like to thank you for your continued support and look forward to building more projects with you in the future.

We would also like to announce our new Residential Concrete division. Bringing you this new service is a result of numerous requests we have received from architects and owners who want the opportunity to use our systems for their residential projects.

Again, thank you for your support, and wish you the best for the upcoming year.

Christina Palpal-Iatoc, Business Development

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T.B. Penick Completes U.S Grant Remodel



The U.S. Grant was built in 1910 by Ulysees S. Grant Jr. to honor his Civil War father hero. The Sycuan Band of the Kumeyaay Nation purchased the hotel in 2003. Sycuan's purchase of the hotel represents an ancestral tribute to their legacy as it was President Grant , who in 1875 passed an executive order setting aside 640 acres of land in East San Diego for the Kumeyaay Tribes, granted them sovereignty. When the Sycuan Tribe began the meticulous \$52 million renovation of this historical landmark in downtown San Diego, they were in need of options for the replacement of the red tile that surrounded the building. They were seeking something more decorative, grander, something that would complement the changes they were making to the interior of the building. The footprint of the building was a critical portion of this renovation project.



The tribe then hired an international team of designers, architects, and craftsmen to undertake the design of the renovation. Because of the underground corridors, tear-out was not an option. The architects and designers had a vision for the U.S. Grant, and they wanted rustic terrazzo. Samples were created by T.B. Penick, and the chosen finishes were developed. Great care was taken by T.B. Penick during the construction of the new sidewalks and porte cochere. First, the surface was prepared for the terrazzo by removing the tile material, and filling of the cracks. A new waterproofing system was set in place, and the rustic terrazzo went directly on top of that. The team had chosen Inyo Oro and black mini pearl aggregates with terrazzo strips to delineate the colors in a simple, yet elegant, pattern to complement the restored black and gold travertine in the grand foyer on Fourth Avenue. The resulting design pays tribute to the U.S. Grant's 1910 origins.



The CCDC feels that this is the only surface that keeps the integrity of old buildings intact. The CCDC has since adopted T.B. Penick's proprietary specifications on any downtown renovation with underground parking.



T.B. Penick at the U.S. Grant project in 1906

[Click here to request the new TBP Architectural Concrete Binder](#)

[See this featured project on ASLA's website](#)

Featured System: Terrazzo

A Functional Work of Art

- **Optimize Life Cycle Performance**
- **Reduce Operating Cost**
- **Reduce Waste**
- **Improve Air Quality**
- **Enhance Asset Value**



An extremely versatile material, terrazzo offers an unlimited palette of color and texture combinations, and the ability to naturally blend free form curvilinear shapes into the design - a uniqueness difficult to achieve with most other single flooring materials.

Terrazzo consists of marble, onyx, granite, or glass chips in Portland cement, modified Portland cement, or resinous matrix. Terrazzo is poured, ground, and polished then typically used as a finish for floors, stairs or walls.

Terrazzo is a product that is part of the Leadership in Energy and Environmental Design (LEED). Terrazzo has also received certification from the USGBC. Based on its performance for the Resource Reuse, Recycled Content, use of Local Regional Materials, and for its successful evaluation for the Indoor Emitting materials, use of terrazzo contributes up to five (5) qualifying points to the LEED sustainable design rating system.



Vapor Barriers: Nuisance or Necessity?

(by Peter A. Craig, An excerpt from Concrete Construction Magazine, March 2004.)

The subject of vapor barriers or retarders beneath concrete slabs on grade has long been controversial. Some justifiably argue that slabs placed in direct contact with a vapor barrier or retarder are more susceptible to curling and other slab problems than those cast on a granular base. They consider a vapor barrier or retarder a downright nuisance.

Others have experienced or witnessed the devastating effect of moisture on modern floor coverings, adhesives, coatings, and a building's environment. They will justifiably argue that a vapor barrier or retarder beneath the slab can be an absolute necessity.

Not surprisingly, reaching consensus on this subject has been difficult. Both sides raise genuine arguments that simply cannot be dismissed. There is, however, a single answer to the title question and it is yes, a vapor barrier can be both a nuisance and a necessity.

To better understand why moisture in concrete slabs has become such a problem, we must examine the sources of slab moisture, how moisture moves, and how it can adversely affect flooring materials, adhesives, and coatings

[Click here to read the rest of the article.](#)

T.B. Penick & Sons Enjoys Best Safety Record to Date



by Peter Lupo, Director of Safety

Employees at T.B. Penick & Sons, Inc. Innovative Concrete Systems Group set a new safety record over the last year three years. "1205 days with no loss time injuries" was the longest run in the 100-year history of the company. This equates to almost 600,000 hours on the job.

The Innovative Concrete Systems Group is a highly safety conscious group within T.B. Penick, requiring a strong safety program in order to maintain strict compliance with

regulations for the safety and health of its employees. Crucial elements leading to the success of the safety culture are management and employee commitment to safety.

The Penick Company's management and employees work together as a team with representatives from insurance carriers and the company's insurance broker, Barney & Barney, to ensure that appropriate risk management programs are in place. Penick owes its success to the daily contributions of its field and management personnel. Byron Klemaske II, Executive Vice President of the Innovative Concrete Systems Group, credits the savvy and effectiveness of the field operation for this remarkable performance, "Day in and day out, our folks take care of business efficiently and safely. My hat is off to them. The achievement is theirs."

T.B. Penick believes that that everyone who works for the company should go home as healthy as when they arrived for duty.

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