

# Dant Clayton engineers strength, durability, sound performance

When the USTA was in the initial phases of its \$500 million campuswide redevelopment of the Billie Jean King National Tennis Center, the project team was in search of a new stadium product to meet the unique needs of the site. The team turned to the new system offered by Dant Clayton Corp. of Louisville, Ky.

"The USTA looked to our brand new product, a concrete-injected, long-span aluminum stadia system, for three tournament side courts and four practice courts for the West Campus," said B.J. Nichols, national sales manager for the Dant Clayton Corp. "We completed the West Campus in August 2014 and will finish the South Campus in time for the 2016 U.S. Open."

The USTA chose Dant Clayton's product for three reasons.

"Our new system is lightweight, a fraction of the weight of traditional concrete systems," Nichols said. "That generates value for the USTA due to the poor soil conditions of the campus site. The tennis center had challenges with its foundation design and



Dant Clayton built stadia systems for tournament and practice courts on the West Campus of the USTA Billie Jean King National Tennis Center and is building additional seating systems for the South Campus.

DANT CLAYTON CORP.

**The USTA sought out the Dant Clayton system for its sleek, modern look, which matched the aesthetic of the existing tennis center.**

required the lightest weight possible. Our system met that need and provided value to the overall project."

Sound performance was a second key factor for the USTA's choice. Injecting concrete into aluminum deadens the clanging of traditional bleachers and gives the seating a solid, upscale feel.

The third reason the USTA sought out the Dant Clayton system was for its sleek, modern look, which matched the aesthetic of the existing tennis center. Dant Clayton offers stadium designers a wide range of cost-effective options for aesthetic finishes,

trim packages, edge and joint conditions, drainage, sound performance and geometry. Dant Clayton can also conceal conduits and infrastructure that typically hang from beneath the risers, along with a completely concealed fastener design, which eliminates the need for unsightly exposed bolts and rivets, adding significant aesthetic value.

"Our new stadia system provides the same solid major-league feel of traditional concrete, but at a fraction of the weight and cost," Nichols said. "But it's also engineered to rigid deflection and vibration

standards and it's both durable and low maintenance, making concrete-injected, long-span aluminum a great fit for the USTA project."

In September, Dant Clayton acquired the assets of Tuttle Railing Systems and created a new division within the company to offer a full range of custom stadium railing products. The new railings division will meet any custom architectural need with a complete line of stainless steel, glass, cable and other guardrail systems.

"One common challenge of stadium structure design is coordinating the railing packages in and around the seating areas," said Nichols. "This was a primary challenge on the USTA West Campus project, which also required a fast turnaround. Now, we can provide a full range of capabilities with stadium structures, seating, risers and railings, which means designers can look to us as a single source to create these highly integrated stadium building elements. Trade coordination has never been more cost effective and simple. We can now provide and integrate every building element within a stadium bowl."

The USTA's South Campus systems are currently under construction at Dant Clayton's facilities in Louisville.

Dant Clayton is the leading designer and manufacturer of outdoor seating systems and grandstands for professional, college and high school venues. Since 1979, Dant Clayton has created comprehensive design solutions for customers, making the privately held company the industry's innovation leader. ■

ELEVATE YOUR VIEW.

## DANT CLAYTON

# WE'VE JUST DRAFTED TWO NEW PLAYERS TO OUR TEAM!

### LONG SPAN ALUMINUM

CONCRETE INJECTED STADIA

This sleek new product saves money and has solid performance benefits as compared to traditional stadia options. Now that's a win-win!

- Exceptional durability
- Solid feel
- Integrated drainage
- Lower maintenance costs
- Sleek and modern look
- Weight reduction vs precast concrete 65% - 85%
- Reduced seismic design load 40% - 60%
- Reduced gravity design load 25% - 35%
- Faster installation and erection 30% - 60%
- Per seat savings in chair installation \$8 - \$15

### TUTTLE

A DANT CLAYTON DIVISION

We've acquired the assets of the largest fabricator of non-ferrous welded and mechanical railings in the U.S. to provide a more premium stadium product.

- Highly Customizable
- Fully integrated with the Long Span Aluminum product
- Excellent durability
- Varieties of modern finishes available
- Produced from the highest quality raw materials
- Optimal sightlines

[WWW.DANTCLAYTON.COM](http://WWW.DANTCLAYTON.COM) 800.626.2177