



Roof-Lines Top Five “Did You Know’s”

We took a look back at the last year of Roof-Lines “Did You Know” articles to recap what we think are the not-to-be-missed top five pointers. Click on the “Read More” links to read the complete article:



New Millennium’s Bridge-Dek® and Rhino-Dek® stay-in-place steel form systems allow project owners to reduce costs by 20-25%, compared to wood forms.

1. Choctawhatchee Bridge Lowers Costs With Stay-in-Place Forms

The new bridge, located in Florida’s panhandle, showcases several reasons for the departure from plywood forms in bridge construction: Stay-in-place steel form systems installed faster than wood. They provided a safe working platform for laborers. And when the concrete cured, there was no removal of the forms, because the steel forms remained integral to the structure ...

2. Advanced Building Systems Expand Your Mind

Buildings are a collection of complex, integrated systems. To ensure the systems function together in harmony, it’s important to use design assist early on. When you have proactive engineers ready to work with you from the beginning, you can save on costs by reducing unnecessary materials, labor, and added project time ...



A long-span composite floor system was used in this 20-ft wide hallway to meet the architect’s vision without obtrusive columns.

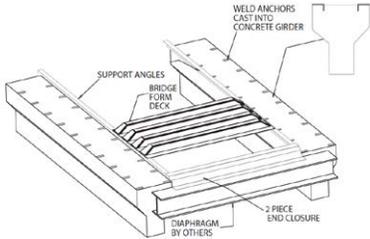
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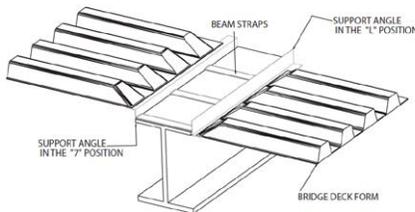
3. The Composite Revolution

The composite approach to building design and construction brings superior strength and rigidity to a variety of composite floor applications. These bonded systems allow the designer to place weight-bearing walls and columns at optimized spans for increased space and cost savings ...

TYPICAL CONCRETE GIRDER CONNECTION



TYPICAL STEEL GIRDER CONNECTION



4. Bridges that Make the Grade

New Millennium Bridge-Dek® offers 4 standard profiles and 18 more matching rebar profiles that can accommodate designs spans up to 14'. The product is suitable for both new construction and bridge rehabilitation projects throughout the country. In areas that would expose the bridge to corrosion, New Millennium features its Rhino-Dek® solution, also available in 4 standard profiles and 18 more matching rebar profiles for spans up to 14'. It's a galvanized and polymer aminate stay-in-place deck form system for bridges over brackish and salt water, suitable for both new construction and rehabilitation ...

Shown at left are the typical connections of Bridge-Dek® to concrete and steel girders. But many applications New Millennium works on require greatly customized attachment systems.



The Versa-Dek® system permits an open-floor plan design with the required strength to withstand the elements.

5. Open Deck Spans for Challenging Design Criteria

The Regency condominium complex had several requirements for its interior ceilings and floors systems. Not only did they want to have an open, aesthetically pleasing interior, but it also needed the strength to support against high winds of up to 130 mph and to withstand medium seismic events. Versa-Dek® XLS is a 2-inch deep, dovetail-shape structural floor deck, designed for composite floor slab construction. This system also reduces construction time and is one of the thinnest slabs, which can allow for more levels within a given height regulation ...



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