

Project Spotlight



PNW Freezer for Trader Joe's Company Lacey, Washington

Design and Construction of a 71,500 ft² FREEPLAN™ Joint-Free Slab on Insulation

Twintec USA provided design-build services with their Freeplan™ turn-key engineered slab system at the newest freezer expansion to support distribution services for Trader Joe's along the I-5 corridor between Seattle and Tacoma, an effort known as the PNW project.

Twintec's Freeplan™ systems does not have any sawn or unprotected slab construction joints, whatsoever. Additionally, the Freeplan™ system is a high performance, steel reinforced concrete composite concrete body for which the advanced mechanical properties support the highest levels of durability and serviceability. Overall joint reduction

factors with Twintec Freeplan™ systems often exceed 90%. As discerning facility owners understand, sawn control joints, as found with all conventional slabs, result in recurring, costly issues. Forklift wheel replacement costs and other productivity inefficiencies due to lower handling speeds are entirely caused by the operation of sawn, damaged conventional slabs where sawn joints have curled, spalled else failed thoroughly. Freeplan™ systems adequately mitigate these undesirable outcomes. The PNW Freezer project was completed in 2018 and included turn-key slabs on insulation, designed and built to suit by Twintec USA. The only construction joints used at the PNW project are full-depth, armored, cold-rolled HC-Omega® steel joints. These construction joints feature optimal, continuous load transfer to support maximal slab durability and serviceability.



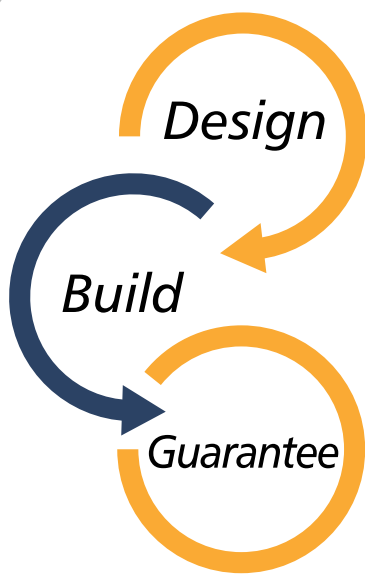
Project Data

End User:	PNW Freezer
General Contractor:	Fisher Construction Group, Inc.
Area :	71,500 ft ²
Mat Slab Thickness:	7.5 in.
Steel Reinf. Type:	AFT 1/50 at 66 lb/yd ³
Completion:	July 2018

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Design

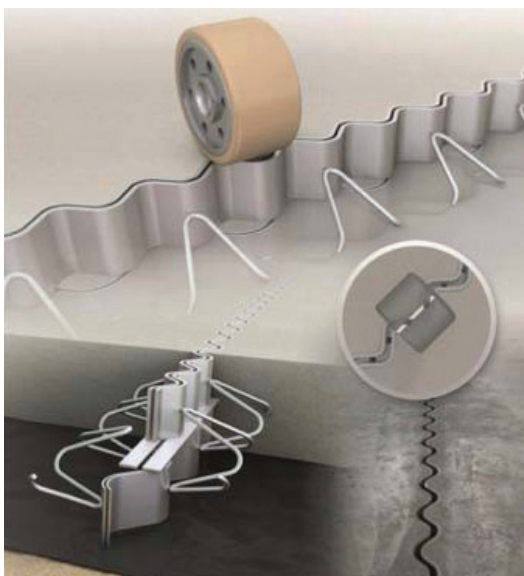
Twintec is the leading and only specialty concrete engineering and install firm in the US. At Twintec, we believe our in-house engineering expertise goes a long way in assisting our clients. Twintec has developed the most advanced methods to design structural concrete bodies as applied to both joint-free, reinforced flooring systems and structural flat concrete bodies.

Build

Twintec provides state-of-the-art install operations. Twintec USA crews are professionally trained to the global Twintec standards in terms of safety, quality, and operational excellence.

Guarantee

Twintec provides a unique a 5-year guarantee on their finished FREEPLAN™ products and design build services.



Contact the Twintec USA business team for further information:

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