

Project Spotlight



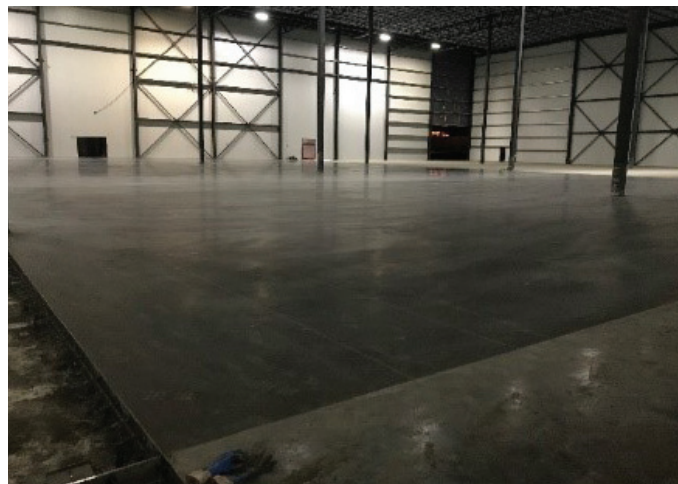
Henningsen Cold Storage Grandview, Washington

Design and Construction of a 108,500 ft² FREEPLAN™ Joint-Free Slab on Grade and Insulation

Twintec USA provided design-build services with their Freeplan™ turn-key engineered slab system at the most recent Henningsen cold storage building, supporting Henningsen's growing presence in Eastern Washington State. Henningsen Cold Storage, one of the largest 3PL services provider in North America, has partnered with Twintec USA since 2013 throughout the Pacific NorthWest for all their new climate-controlled buildings.

Freeplan™ will 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 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, or failed entirely. Freeplan™ systems adequately mitigate these undesirable outcomes. The only construction joints used at the Henningsen freezer projects are full-depth, armored, cold-rolled HC-Omega® steel joints, with both corrugated and straight profiles. These construction joints feature optimal, continuous load transfer to support maximal slab durability and serviceability.



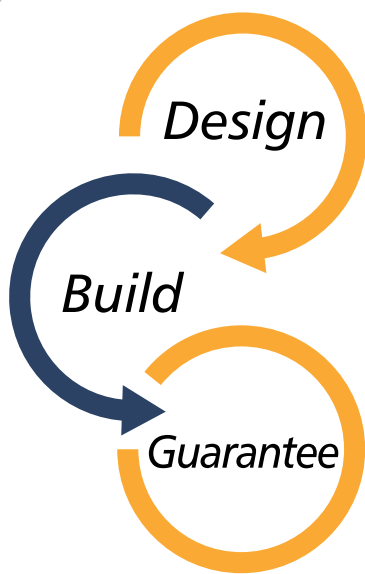
Project Data

End User:	Henningsen Cold Storage
General Contractor:	Fisher Construction Group, Inc.
Area :	108,500 ft ²
Mat Slab Thickness:	6in. / 8 in.
Steel Reinf. Type:	AFT 1/50 at 66 lb/yd ³
Completion:	April 2018

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Henningsen Cold Storage in Grandview, Washington



Design

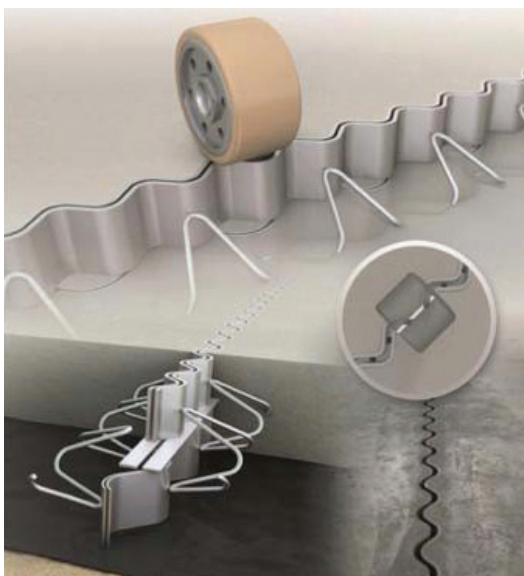
Twintec is the leading and only specialty concrete engineering and install firm in the US. At Twintec, we believe our in-house engineering expertise goes a long way in assisting our clients. Twintec has developed the most advanced methods to design structural concrete bodies as applied to both joint-free,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