

CASE STUDY

Project Highlights

- 174,000 sq. ft. Refrigerated Warehouse
- 20,000 Pallet Positions
- Two-Deep Design for Maximized Density
- Multi-Temperature Environment
- Design Goal: Safety and Productivity



Liberty Cold is a leader in refrigerated warehousing services, providing 3PL logistics services to the foodservice industry's key members across the Midwestern US. Liberty Cold came to be when the need arose to eliminate the use of outside cold storage providers. In March 2015 ground broke on a Bolingbrook, IL facility, marking the beginning of Liberty Cold's goal to provide proactive service and lower costs to customers.

Tim Cox, Vice President of Liberty Cold, has a passion for refrigerated warehousing. He has brought together a devoted leadership team to deliver on service, create value for customers and build friendships in the process. While brainstorming methods to achieve this, the same two words continued to materialize - safety and productivity. To best accomplish these requirements, Liberty Cold needed a storage system that not only maximized density, but also created a safe environment for the team and minimized damages.

When beginning the project, Tim reached out to a commercial real estate contact in Chicago who, in turn, introduced him to Larry Lantero of United Insulated Structures Corp (UISC). Thereafter, Tim and Larry established a business relationship based upon trust. It was Larry who referred Tim to Frazier Industrial Company. UISC and Frazier have a very successful history of working together and are both confident in each other. Throughout its history, Frazier has enjoyed a reputation throughout the material handling industry for its proven, quality products and responsiveness to its customers.

The Ergo Deep is incorporated into Frazier's solution for safe, productive picking of heavy cases.



In choosing a supplier for their racking needs, Liberty Cold did not place price as their main factor. Frazier was chosen because of a robust history in the industry:

"It was a well known, proven product."

- Tim Cox



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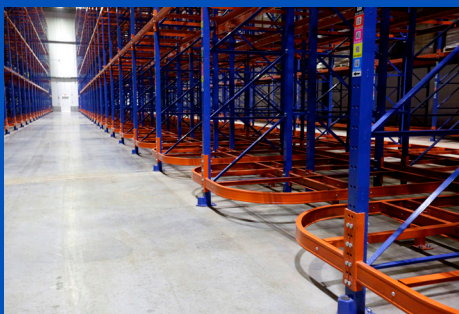
To meet Liberty Cold's needs, Frazier, led by Midwest Regional Sales Manager Mike Carlson, devised a plan around a two-deep system. This created a design with a maximized density, without sacrificing selectivity, that other layouts would not have offered.

According to Tim Cox, Frazier's plan utilizing various products was a solution that other racking manufacturers could not match; "We did look at a couple of other vendors, however we ultimately picked Frazier. Price was not the main driver, rather the confidence and comfort level of Frazier's top notch-product. We respected the long history and it was a well known, proven product." The project completed installation in January 2016: "The installation went great, we were very happy with the progress and responsiveness between the Installation Team, Frazier and UISC." For Frazier the service never ends; we are always available to aid customers with their storage systems long after their purchase.



Quick Freeze Racking located amongst other racking eliminates the need to move product to a freezing room.

Ergo Deep Advantages



Frazier's Ergo Series products are designed to provide easy access to hard-to-reach cases by creating a 16" to 22" opening between pallet locations. Ergo Deep's pallet locations sit at a low level to afford case pickers the advantage to lift heavy cases, while also enabling the ability to walk through the racking - from one row to the other. The Ergo Deep is an advantageous solution that allows increased pick locations, better storage utilization, less product damage, decreases in worker's compensation and measurable improvement to warehouse productivity.

Liberty Cold's Storage System Details

Headlining Frazier's solution for Liberty Cold is the **Ergo Deep**. Ergo Deep was a perfect fit for the project because it amplified the original principles echoed in the initial goals - safety and productivity. The opening in the rack allows workers an easier, safer manner of accessing products. Because of increased pick locations and better storage utilization, workers can pick cases more quickly.

An additional feature that boosted productivity for Liberty Cold was the use of **Quick Freeze Racking**. Set up with an array of fans centrally located amongst the other racking, Quick Freeze Racking allows product to be chilled much more quickly. Because of the central location, product does not need to be moved room to room to freeze.



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