

New Cooperative: Churdan Grain Storage Facility

Scaling Smarter with High-Capacity Grain Storage Built for Performance, Safety, and Growth

When New Cooperative identified a growing demand for grain storage in central Iowa, they needed more than additional capacity. They needed a system that could scale efficiently, operate safely, improve truck throughput during harvest, and position the cooperative for long-term growth in a highly competitive agricultural market.



THE CHALLENGE

New Cooperative identified Churdan as a grain market with significant growth potential. As a true “greenfield facility,” the investment offered a major growth opportunity to maximize capacity, support future scalability, and create operational advantages over traditional grain bins.



THE SOLUTION

Greenfield Contractors delivered a fully integrated grain storage solution, utilizing a large-scale steel structure with an engineered tensile roof membrane to maximize agricultural storage capacity.

Greenfield’s full-scope coordination included site development, foundations, material handling systems, structural installation, dump pits, conveyors, and support facilities.

PROJECT SNAPSHOT

	CLIENT	<i>New Cooperative - Churdan, IA</i>
	PRODUCT TYPE	<i>Greenfield Grain Storage Facility</i>
	INVESTMENT	<i>\$17 Million</i>
	TIMELINE	<i>Approximately 10 Months Active Construction</i>
	SITE SIZE	<i>40 ACRES</i>
	BUILDING 1	<i>200' x 432' - 2,750,000 Bushels</i>
	BUILDING 2	<i>200' x 252' - 1,250,000 Bushels</i>
	ADDITIONAL FACILITY	<i>50' x 85' Commercial Building</i>
	PROJECT LEAD	<i>Brent Strahm</i>



PROJECT VALUE

\$17M



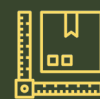
CAPACITY

4M
BUSHELS



TIMELINE

10
MONTHS



SITE SIZE

40
ACRES

PERFORMANCE & OPERATIONAL ADVANTAGES



FASTER THROUGHPUT DURING HARVEST

Semi-trucks can be received in approximately 1.5-minute intervals compared to 10 + minutes at traditional facilities, significantly reducing wait times during harvest.



HIGHER CAPACITY IN A SMALLER FOOTPRINT

The High-volume Steel Super Structure allows more bushels to be stored within a smaller footprint, creating better land-use efficiency and long-term scalability.



ADVANCED STRUCTURAL ENGINEERING

The structures support double hanging conveyors, increased load capacities, and up to eight temperature cables per truss. The facility also utilizes hot-dip galvanized components and third-party engineered concrete systems.



IMPROVED MOISTURE CONTROL

Vented eaves, in-floor aeration trenches, and temperature-cable systems help prevent moisture issues while improving long-term grain-quality management.



SAFER OPERATIONS

The reclaim tunnel and OSHA-approved catwalk systems provide safer inspection and maintenance access compared to traditional grain storage systems.

CONSTRUCTION COMPLEXITY / EXECUTION

The project required advanced coordination between automation systems, material handling infrastructure, conveyors, aeration systems, and electrical controls. Greenfield completed the project in time to support harvest operations.

- ✓ Each structure was filled to capacity in its first year of operation
- ✓ New Cooperative expanded into a strategically underserved market
- ✓ Farmers experienced dramatically reduced unload wait times
- ✓ The project strengthened New Cooperative's regional competitiveness
- ✓ The facility created future-ready scalability for continued growth



CLIENT TESTIMONIAL

"We have numerous other buildings that have been project-managed and installed by Greenfield Contractors, and after seeing how they handle the high winds and storms of Central Iowa, we didn't want anyone else to do the job. The Calhoun Structure is incredible and highly engineered. I would recommend Greenfield Contractors and Calhoun Super Structure for your next project."

- Kevin Rice, New Cooperative



PLANNING YOUR NEXT EXPANSION?

Greenfield Contractors partners with cooperatives, ag retailers, and industrial operations to deliver high-performance facilities built for scalability, efficiency, and long-term durability.



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