

FARMERS COOPERATIVE GRAIN STORAGE



Owner

Farmers Cooperative
Elevator Company

Size/Capacity

1,075,000 bushel

Completion Time

7 months

Younglove's Services

- Conceptual design
- Structural engineering
- General construction
- Construction management
- Slipform concrete construction
- Equipment installation

Arcadia, Iowa

The new workhouse at Arcadia, Iowa, consisted of three 60-foot-diameter silos, one 18-foot loadout bin, and four interstice bins 140 feet high with 8-inch-thick slip walls. Grain receiving will be through a double truck driveway with 500-bushel hoppers and 10,000-bushel transfer conveyors to two 11,000-bushel receiving legs. Distribution to the bins will be through an 11,500-bushel cleaner to an electric double distributor spouted to each bin. Reclaim from the silos will be through side bin draw-offs to trucks, and final clean-out will be through an equipment access opening at the bottom of the silos.

A drive-over flush floor aeration system rated at 1/10 cubic feet per minute per bushel was formed in each silo floor. Eleven heat detection cables per silo will allow continuous grain temperature read-outs.



YOUNGLOVE

*Builders of value...
Builders of trust*

Leaders in the design and construction of bulk materials handling facilities