



Allen Canning Company

Van Buren, Arkansas



Originally planning to use only select galvanized pieces, the owners switched to implementing an all-galvanized steel facility after a structural failure created a 90-day critical deadline to bring the plant back online. Because the hot-dip galvanizing process is a factory-controlled process independent of limitations caused by weather or humidity, the quick turnaround of galvanized steel made it the only viable choice to complete the canning warehouse on time. The dedication of the galvanizer and speed of the galvanizing process led the project to be finished three days ahead of schedule and within budget.

This is the first all-galvanized structure Allen Canning has erected. Galvanized steel was the best return-on-investment alternative, compared to life-cycle cost projections for stainless steel and various other coatings. The company had specified galvanized steel for several other projects, producing excellent results worth repeating in similar food-grade environments.



Durability was a key consideration, because of the need for resistance to chemical contaminants in the food-processing environment. Chemical contaminants and constant exposure to high humidity with active steam make galvanized steel the ideal choice to meet USDA mandated standards for high corrosion resistance. The barrier protection of the metallurgically bonded zinc coating will protect the enclosed steel from corrosion that can lead to structural failure or food contamination.

Thus, 391 tons of anchor bolts, base-plates, columns, beams, bracing, joist girders, roof joists, fasteners, and miscellaneous steel were galvanized and erected to create a gleaming, structurally safe, and corrosion-free facility. The company has noted this facility as a showpiece for the parent corporation's clients, who plan to utilize galvanized steel in future projects as a result of the Allen Canning success story.



The height of the facility also necessitated a maintenance-free corrosion protection system to avoid inconvenient and impractical touch ups or repair. Hot-dip galvanized steel will keep the structural elements of this warehouse corrosion free, with no maintenance, for 75+ years.

Galvanizer

Valmont Coatings – Oklahoma Galvanizing

Specifier

Burrough-Brasuell Corporation

Architect

Robert Bowen

Engineer

Dale Brasuell

Additional

Don Peters Construction
MBM Enterprises
NUCOR-Vulcraft

food & agriculture



American Galvanizers Association