

CASE STUDY



PROJECT DETAILS

Project Name:
Newly Weds Foods

Location:
Chicago, IL

Project Owner:
Newly Weds Foods

Project Architect:
Epstein

Project Engineer:
Epstein

Project Contractor:
Epstein

Project Erector:
Creative Erectors

Date:
2020

Key Products:
Insulated Sandwich Walls,
Precast Concrete Double
Tees, Hollowcore,
Columns and Beams, Slabs

Prestressed and Precast Concrete Components Shorten Lead Times and Offer a Comprehensive Solution for Food Manufacturing Plant

Solutions: Food-grade construction materials meet rigorous industry standards; engineered solution withstands demanding work environment

With production demand on the rise, Newly Weds Foods sought the expansion of its Chicago operation to better accommodate current needs and future growth. The food manufacturer determined constructing a second building on its property would maximize the lot's potential while keeping resources centralized. Project leaders searched for a high-performing solution that would perform in the demanding environment and require minimal maintenance over time.

Prestressed and Precast Concrete Double Tees manufactured by County Prestress offered a comprehensive framing, flooring, and walling solution that could meet the high-load capacities required for the new facility. Beyond its inherent strength, prestressed concrete construction materials were also specified for its time and costs savings, as components arrive ready-to-install and maintain low life-cycle costs over a prolonged service life.

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The exceptional coordination and preplanning efforts amongst project leaders ensured the products were manufactured, shipped, and erected in a timely manner. County Prestress utilized three facilities to manufacture over 128,650 SF of insulated sandwich walls, 223,500 SF of precast concrete double tees, 15,100 SF of hollowcore, 3,400 SF of slabs, and 8,400 LF of columns and beams to construct the exterior and interior of the building. During each step of the process, the concrete components underwent rigorous quality assurance testing to certify they met food-grade standards and had a consistent airtight surfacing.



With County Prestress' enhanced production capabilities, lead times were shortened, and components were manufactured taller, wider and heavier than most in the region. The larger sections were advantageous from a time and cost savings perspective, as they cover more area in less time and require less joint tooling and maintenance. To meet tight timelines, the facility was erected in four quadrants to allow other trades to enter the building sooner. This strategy proved effective, as the project was completed in its scheduled four-month period.



From assisting in the engineering and design phases of the project to coordinating the manufacturing, delivery, and erection schedules, County Prestress played an integral role in the project's success. This hands-on approach maximized the construction schedule, leaving project leaders satisfied with the progress of the project and the quality of the product.

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