

## CASE STUDY



### PROJECT DETAILS

**Project Name:**

The Quentin Apartments

**Location:**

St. Louis Park, MN

**Owner:**

Crowe Companies LLC

**Architect:**

Collaborative Design Group

**Engineer:**

SmartLine Design LLC

**General Contractor:**

Crowe Companies LLC

**Product Manufacturer:**

County Materials Corporation

**Erector:**

Zachman Precast

**Date:**

2020-2021

**Key Products:**

Hollowcore Plank, Solid Slab, Precast Beams and Columns

## Hollowcore Plank Supports Sustainability Initiatives for Multi-Family Housing Project

**Solutions:** Reduced environmental impact; enhanced occupant safety and comfort; dispatch support overcomes scheduling parameters

Designed to offer modern amenities in the affordable housing market, the Quentin Apartments in St. Louis Park, MN are an attractive alternative to single family housing. The 79-unit complex was built using sustainable construction materials and will utilize solar energy as part of the project leaders' green initiative.

County Materials' Hollowcore was specified for the project's two-story parking garage podium for its unmatched structural, safety, and environmental benefits. Its high-performance strength supports high load capacities from the residential structure above to create long open spans that maximize functionality. With fire ratings up to three hours and superior acoustical dampening properties, hollowcore enhances occupant safety and comfort, making it the preferred material choice for multi-family housing applications.

Prestressed concrete is a sustainable building material made from abundant natural resources that are responsibly excavated. Manufactured and cut to the specifications of each project, hollowcore plank production reduces excess materials and ensures components arrive on site ready for installation. Off-site construction results in cleaner, more accessible staging areas that preserve the natural landscape. Once installed, prestressed planks serve as an instant stable work deck and eliminate the need for additional equipment, further reducing site impact. Additionally, hollowcore offers a greater life cycle than alternative materials to maximize project potential and minimize environmental impact.

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The inherent efficiencies of hollowcore plank paired with the experience of County Materials' dispatchers and drivers ensured the timely completion of this project. Dispatchers coordinated with Crowe Companies LLC to optimize product deliveries while remaining in compliance with city ordinances. County Materials continued to provide time-saving solutions on site. Working with a tight staging area, County Materials' team of drivers skillfully positioned their trucks to help crews navigate the site and install product more effectively.

Hollowcore proved to be an ideal solution to meet the project leaders' structural requirements and sustainability goals. County Materials manufactured 49,300 SF of ready-to-install hollowcore plank and solid slabs that enhanced the project's speed and ease of installation.



*Hollowcore offers a greater life cycle than alternative materials to maximize project potential and minimize environmental impact.*

