



# Hollowcore Roof & Floor Systems

## Commercial Applications

Hollowcore Systems manufactured by County Materials offer an efficient and economical solution for applications that require long spans, high load capacities and reduced building heights.





## Commercial Applications **Hollowcore Roof & Floor Systems**

### **Building Green**

Concrete is one of the world's most commonly used building materials. It's inert and made from abundant, natural materials, making it an environmentally sound choice with sustainable benefits.

### **Meeting Project Needs**

Hollowcore Systems manufactured by County Materials offer an efficient and economical solution for applications that require long spans, high load capacities and reduced building heights. Prestressed hollowcore planks are used in conjunction with columns and beams to serve as both a ready-made sub floor and ceiling for an unlimited number of project applications.

Hollowcore eliminates the need for extra load-bearing columns and beams or interior walls, and creates large, open spaces with unobstructed ceilings. Hollowcore can sustain added concrete topping and roof loads, as well as loading requirements for partition walls, tile and stone floors.

### **Shortened Construction Schedules**

Hollowcore helps meet project timelines and maximizes the construction process. Before arriving to the site, the Hollowcore is cut to specified lengths for each project, accommodating plans with unique angles and curves, and is ready to be installed upon arrival.

Hollowcore is easy to install and is compatible with

other building materials, including concrete masonry, steel framing and cast-in-place wall systems. Once installed and grouted, Hollowcore provides an immediate work deck and protected space that accommodates other trades, from heating and air conditioning, to plumbing and electrical. Required openings can be pre-cut prior to shipping, while the respective trades provide smaller, field-cut notches. Anchoring and fastening piping and conduit to Hollowcore is no more difficult than it is with other systems, and is often easier and less expensive because of the reduced amount of concrete that needs to be cut.



# Consider the Advantages Hollowcore Roof & Floor Systems

- Environmentally sound material choice
- Meets IBC and UBC standards and fire ratings up to 3 hours
- All-weather installation minimizes down time
- Instant, stable work deck that reduces construction schedules, cuts costs
- Works effectively with other building trades
- Creates open column-free spaces
- Supports high load capacities over long spans
- Low life-cycle costs
- Better acoustical dampening than other sub flooring
- Maintains comfortable indoor temperatures

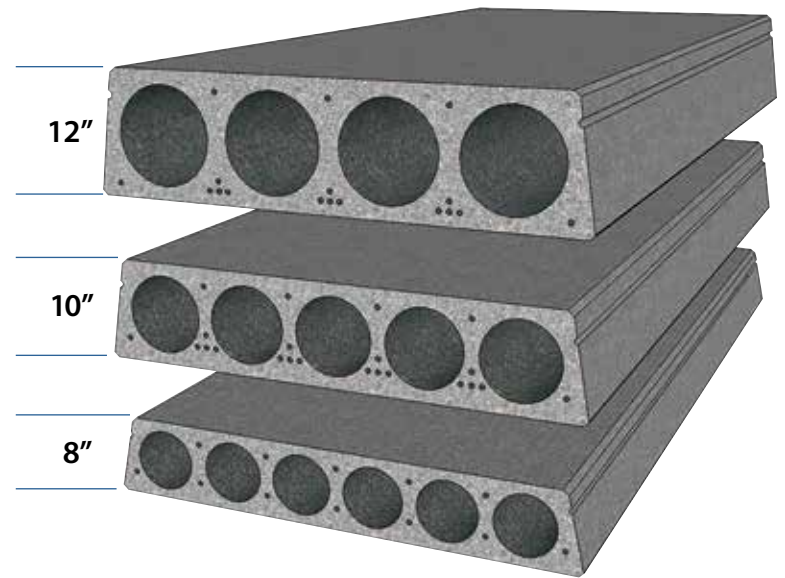


# Experience at Every Step **Hollowcore Roof & Floor Systems**

County Materials' experienced design professionals get involved early in the planning stages to assist you from start to finish. We provide comprehensive estimates, detailed drawings, scheduling and proper installation methods for a successful project. To ensure maximum product and building performance, an experienced erection crew will perform field installation.

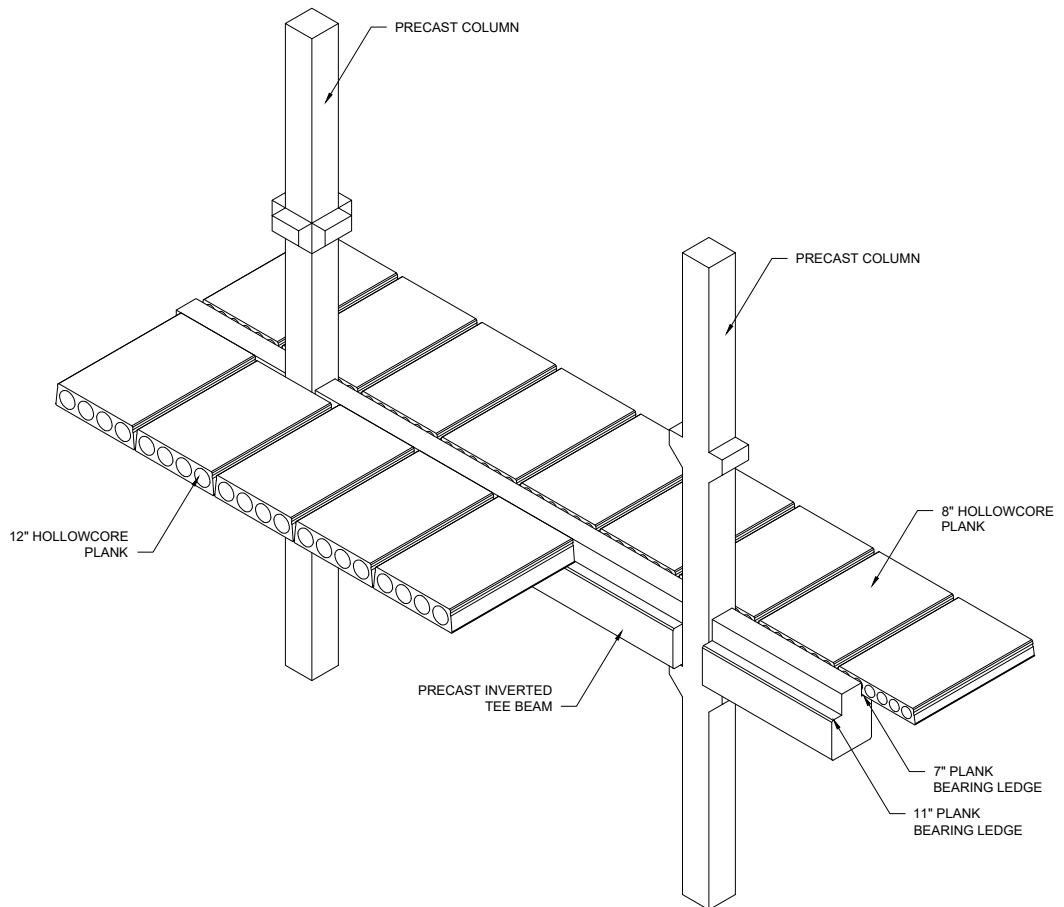
## Professional Certification

With year-round production cycles, County Materials produces Hollowcore of uniform quality and tight tolerances that meets efficient production schedules and industry certifications. The Precast/Prestressed Concrete Institute certifies our manufacturing plant.



# Available Products **Hollowcore Roof & Floor Systems**

- Hollowcore Plank:
  - Manufactured in depths of 8", 10" and 12"
  - Allows for spans up to 44' (@ 50 psf)
- Beams and Columns
- Custom Concrete Components





**222 Water Street, Eau Claire, WI**

- 138,000 Square Feet of Hollowcore
- 2,334 Lineal Feet of Columns
- 7,010 Lineal Feet of Beams

## Cost Savings **Hollowcore Roof & Floor Systems**

Projects that are finished faster mean a better return on investment. Earlier occupancy generates revenue sooner and helps ensure better sale and resale values. In the long run, Hollowcore can also add up to more savings through reduced maintenance costs and lower fire insurance rates.



## **Safer Living Environments**

Severe weather or fire may threaten other building materials, but Hollowcore keeps people and possessions safe. Made of high-strength, steel-reinforced concrete, Hollowcore maintains its structural integrity through extreme conditions. Hollowcore meets fire ratings up to three hours and does not burn, preventing lethal fumes and smoke. Residents and building owners will appreciate the sense of security and permanence offered by a solidly built structure.



# Typical Uses **Hollowcore Roof & Floor Systems**

## Beam, Column & Plank



## Steel Frame



## Precast Concrete Walls



## Concrete Masonry Walls



## Poured Concrete Walls



# Diverse Applications Hollowcore Roof & Floor Systems

- Multi-family housing
- Senior living facilities and nursing homes
- High and low-rise office buildings
- Industrial facilities
- Hotels
- Student housing
- Health care facilities
- Parking structures/subterranean parking
- Swimming pools/ athletic complexes
- Educational buildings
- Retail outlets
- Government institutions
- Prisons and justice facilities
- Financial institutions
- Residential construction
- Water treatment facilities
- Fire stations and safety buildings



## County Materials' Hollowcore Production Location in Roberts, WI serves the Upper Midwest



*Proud to be American based  
and American made since 1946*



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