

The Perfect Solution to Today's Multi-Use Construction Projects

The ER Post™ Structural System from Spancrete was developed and patented by Ericksen Roed & Associates. The ER Post Structural System from Spancrete is a combination of precast concrete clear span trusses, Spancrete® hollowcore plank and precast concrete columns. The ER Post Structural System from Spancrete is an economical solution for mid-rise multi-use housing and commercial developments.



Pete Robinson
Whiteco Residential LLC

"I am very excited about this system and working with Spancrete. The system is very efficient; especially since we do not need to perform any fire proofing and the system provides design flexibility due to its large open spans with complete column-free space. I can't wait to see it all come together."



Benefits:

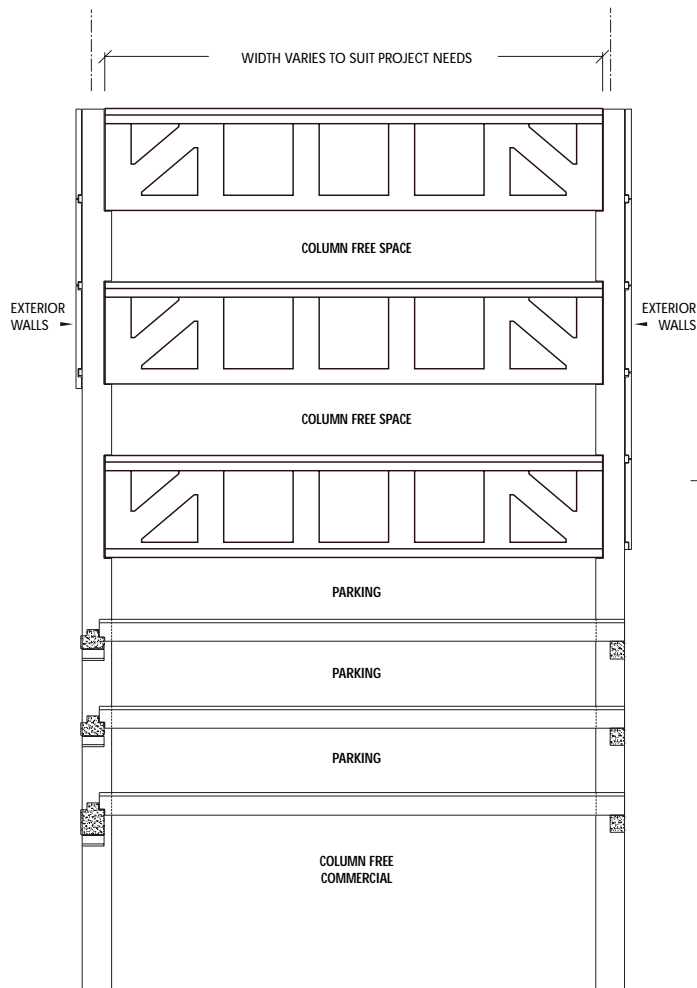
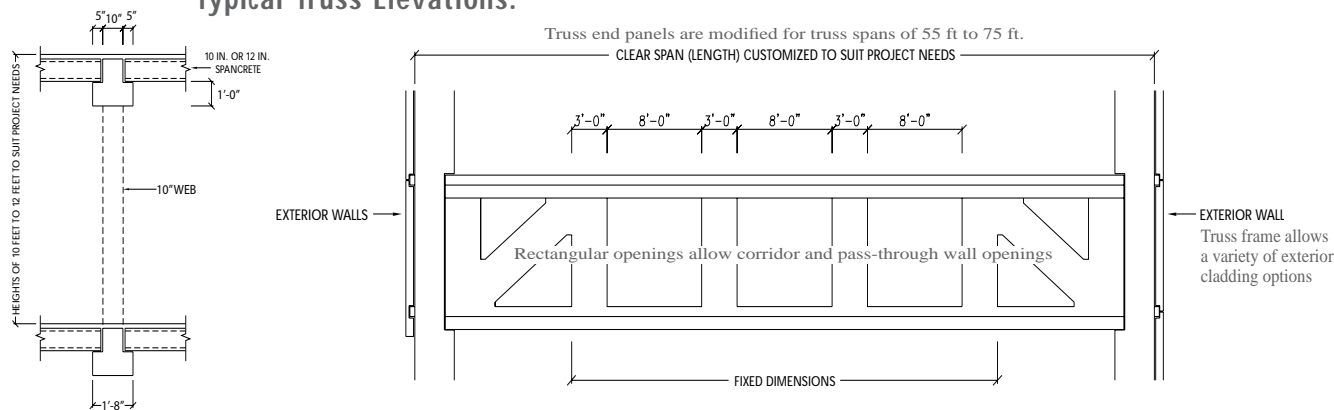
- Significant cost savings due to efficient framing and fewer pieces
- Column-free space creating flexibility in space and floor planning
- Fast all-weather construction, saving precious time and money
- Single structural source of responsibility from the foundation up
- High quality Spancrete hollowcore plank provides a finished ceiling and fire rated construction

David Brininstool
Brininstool+Lynch, Ltd.

"The ER Post Structure System solved many of our structural design needs. The owner was looking for an economical and rapidly constructed system and this solution provided that as well as built in fire resistance. As a small, boutique architectural design firm, we found an ideal partner with Spancrete. Their design integrity and willingness to collaborate with us by listening to our wishes as architects made this partnership a win – win for all parties."



Typical Truss Elevations:



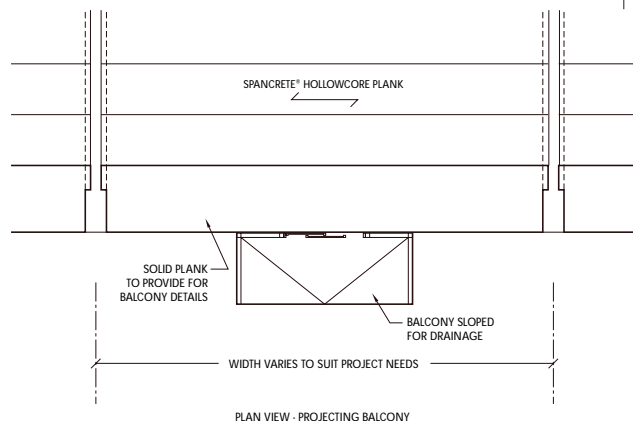
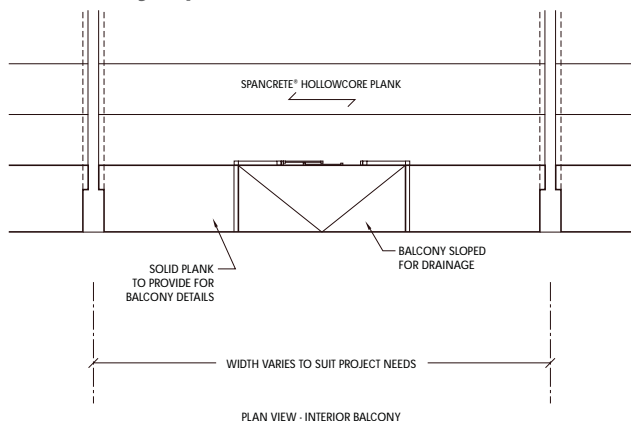
Features:

- Wide open, column-free areas provide flexibility in design
- Clear span parking areas
- Numerous balcony configurations can be included
- Truss framing allows a variety of exterior cladding options
- Building heights up to 20 stories
- Sound transmission control (STC) above 50
- Fire ratings to 3 hours

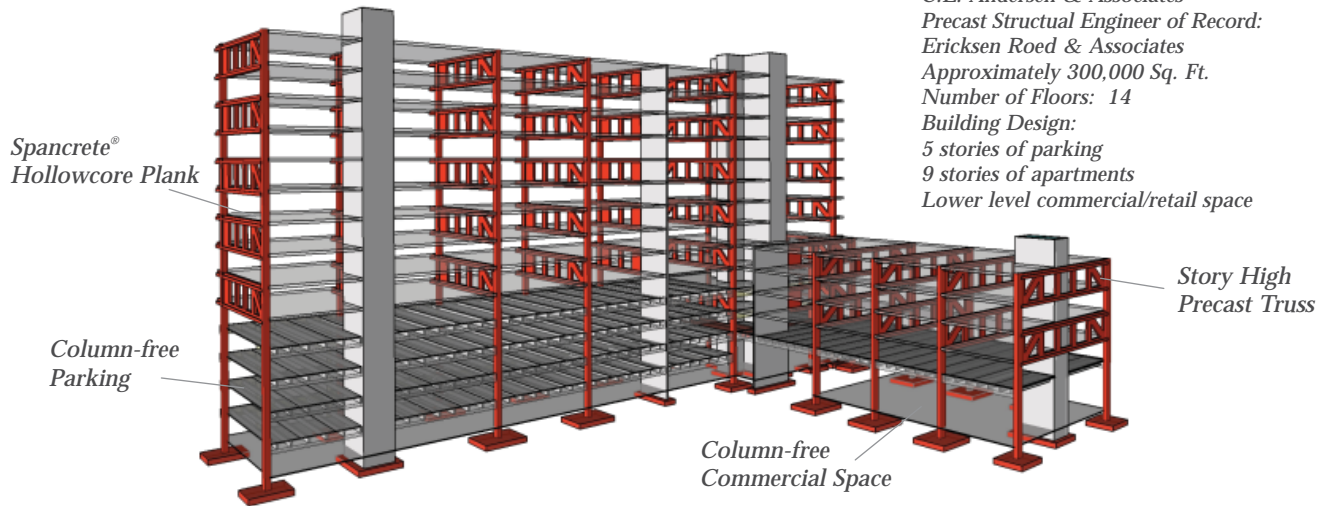
Why Partner with Spancrete:

- Superior service
- Unmatched quality
- Durability to stand the test of time
- Over 700 innovative minds to support your project
- In-house engineering support
- Up-front design capabilities
- Value engineering
- Over 60 years of precast experience

Balcony Options:



Flexibility and Reduction in Construction Costs Make the ER Post™ Structural System from Spancrete the Easy Choice



Project Details:
Whiteco Residential LLC
Oak Park, IL
Owner: Whiteco Residential LLC
Architect: Brininstool+Lynch, Ltd.
Engineer of Record:
C.E. Andersen & Associates
Precast Structural Engineer of Record:
Ericksen Roed & Associates
Approximately 300,000 Sq. Ft.
Number of Floors: 14
Building Design:
5 stories of parking
9 stories of apartments
Lower level commercial/retail space

The ER Post Structural System from Spancrete was chosen as the most economical solution for this 14-story multi-use residential complex when compared to other solutions; such as steel framing or cast-in-place concrete. The building's multi-use characteristic, with five levels of parking, one main level of retail space and nine floors of residential made it an obvious candidate for the long span trusses. The unbelievable speed of erection was also a major consideration.

This rendering illustrates the structural system. Long span double tees were chosen for their natural durability and long span capabilities for the five level parking decks. The ER Post trusses can be seen supporting the hollowcore plank on their top and bottom chords, providing open column-free floor space at every other floor. Lateral resistance is provided by the interior elevator core shear walls.



Drawing courtesy of Vertex Graphics

Applications:

- Multi-family residential housing
- Condominiums
- Hotels
- University housing/dormitories
- Commercial/Office
- Assisted Living

Why Use the ER Post Structural System:

- Design and layout flexibility
- Rapid, all weather construction
- Reduction of risk
- A single source of responsibility
- LEED points



SPANCRETE®



The ER Post™ Structural System is provided in the Illinois and Wisconsin markets from Spancrete.



Let us pre-engineer your structure and provide the most economical solution. Call your local Spancrete office today.



Committed to being the most responsive partner and innovative provider of precast concrete solutions.

www.spancrete.com

The Spancrete Group, Inc.

info@spancrete.com

Spancrete of Illinois, Inc.
Arlington Heights, IL
847-879-2100

Spancrete Industries, Inc.
Waukesha, WI
414-290-9000

Spancrete, Inc.
Green Bay, WI
920-494-0274

