

# concrete TODAY PROJECT SPOTLIGHT

## A Post-Tensioning Story

In view of their explosive growth, Epic Systems Corp., a developer of software, decided to build a campus-style office complex in Verona, WI. The office complex, now nearing completion, consists of a multilevel/underground parking garage and four low-rise office buildings. A fifth office building is just starting, along with a cafeteria. The



garage has approximately 600,000 sq ft for parking and each office building has an average of 100,000 sq ft of supported areas. A man-made brook will flow in the courtyard over the top of the parking garage.

The construction teams of Cunningham Group, Zimmer Gunsul Partnership, Magnusson Klemencic and J.H. Findorff & Son selected an unbonded post-tensioning system to achieve durability, economy, speed of construction and low life-cycle cost. The garage uses an encapsulated system in both the slabs and the beams. A 5 1/2-in.-thick slab spans 18 ft between 20 in. by 35 1/2-in. beams. The columns under the beams are spaced at 63 ft. The office buildings use 8-in.-thick flat plate using a banded system. The unusual shape of the floors and an irregular column layout presented a challenge for the tendon layout. In order for such a complex project to proceed through shop drawings and installation required a high degree of technical expertise on the part of the post-tensioning supplier. The construction of all buildings was to be simultane-

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ous, using a fast-track process.

J.H. Findorff selected AMSYSCO Inc. as its PT supplier before any structural drawings were available. Brian Hornung, the project manager, says, "Having worked with AMSYSCO on multiple past projects during the past 23 years, we knew we could count on them. The structural drawings were going to be available in stages and required prompt, accurate shop drawings and a quick delivery of material. The project, which really consisted of seven separate projects, required simultaneous activities involving shop drawings, shipments of material and coordination of accessories by building and by floor." Hornung further stated that AMSYSCO came through with a timely submittal of shop drawings, prompt delivery of the product and dependable stressing equipment. ■