

Those *Amazing* **Builders**

Those Amazing...® Series



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How to Build A Sports Stadium

Managing construction of MetLife Stadium in New Jersey—a \$1-billion, 2-million-square-foot open-air stadium that seats 82,500 spectators—took extraordinary know-how and experience.

Putting it Together

Keeping track of all the moving parts was one important aspect of the job—and the stadium has 3,200 different parts of structural concrete alone. Keeping them all straight was a mammoth undertaking that involved electronic identification tags on each item to create a just-in-time supply chain—from casting to shipping, delivery, and placement—so that every piece arrived on trucks in

the right order to be positioned into the stadium. A computer accessible, color-coded, 4-D building information model did the trick, updating the status of the 3,200 precast risers several times a day. On a given afternoon, builders could see that, say, 102 pieces had been erected that day, 78 had been received on site, with another 79 pieces cast at the yard, 26 of which had been approved for shipping.

Keeping the Existing Stadium Up and Running

All this “just-in-time” delivery of parts had a major purpose: to keep the existing adjacent stadium operational during construction, while minimizing the impact of building the new one. Now that’s something to cheer about.

36.6 miles of fiber optic cabling

279 miles of Cat6A Ethernet and other network cabling

23,000 tons of structural steel

3,000 pieces of precast concrete

1,700 workers

188 overhead doors

70,841 cubic yards of concrete

Over four miles of concourse railings

Over 4,700 piles

Over 260 subcontractors

