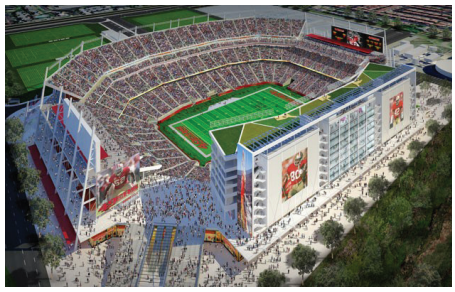
CASE STUDY

AB&I Foundry Case Study
Levi's Stadium Project

LEVI'S STADIUM, HOME OF THE 49ERS $1.2 BILLION PROJECT RELIED ON AB&I PIPE AND FITTINGS FOR THEIR HIGH DEMAND DWV PLUMBING SYSTEM.



FW SPENCER AND SON, INC., a leading Mechanical Contractor in the San Francisco Bay Area provides a competitive advantage by implementing value engineering. VE plays an integral role in increased labor productivity, overall system performance, and reduction in material waste.

While there are significant advantages to prefabricated plumbing systems, there is still the challenge of system integrity once it has been transported from the pre-fab manufacturing site to the building project site. It is imperative to have a rigid system that can withstand the transportation movement.

"One of the driving factors in the rise of prefabricated plumbing systems is the ability to improve productivity," said Kevin Coyne VP, Chief Estimator Kevin Coyne Vice President and Chief Estimator at FW Spencer. "Productivity is an important factor. By having the ability to control multiple elements of productivity including project schedule, cost, safety, quality and waste, it gives us a competitive edge in the marketplace."

The challenge FW Spencer faced with the prefabrication and transportation of such a large scale plumbing system project, with over 1,000 toilets and urinals, was joint integrity. These high capacity back-to-back gang toilet systems had to be transported by truck to the job site and while maintaining a strong joint with a rigid seal.

The stadium has a robust plumbing system with 1, 135 restroom fixtures. The stadium has 68.500 seats and cost $1.2B to build.

NFL owners selected the San Francisco 49ers new Levi's Stadium to host the 50th Super Bowl in 2016 sending the nation's biggest sporting event back to the Bay Area for the first time since 1985.

AB&I FOUNDRY | 7825 SAN LEANDRO STREET | OAKLAND, CA | 94621
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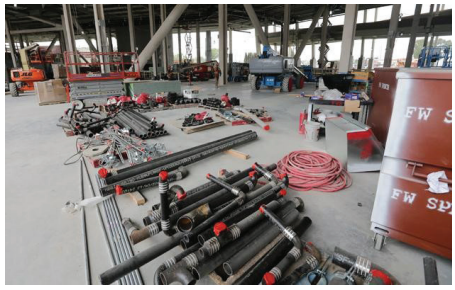

That is why FW Spencer chose AB&I cast iron soil pipe and fittings and the Anaco-Husky HD2000 and couplings for their prefabricated plumbing trees. AB&I cast iron was used in all the above ground installations including bathroom plumbing systems and the roof drain systems. Husky 4000 heavy-duty, high-performance couplings were used for their below ground plumbing systems.

"By using cast iron piping materials along with the Husky couplings, we are able to air test the system at our manufacturing facility and then transport the complete plumbing systems to the building site without the worry that there would be joint failure.

The integrity of the cast iron piping united with the Husky couplings made the trees able to withstand the vigorous transportation movement from our factory to the installation site which was over 30 miles away", said Kevin Coyne Vice President and Chief Estimator at FW Spencer. "It was a clear choice to use AB&I iron with their strong foundation as a premier domestic manufacturer of cast iron piping for DWV systems."

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