



JAY R. SMITH MFG. CO.®

case study

STAINLESS STEEL PRODUCTS APPLICATION FOR WATER BOTTLING FACILITY



Job

A premium beverage producer decided to expand its bottling capacity and build a new \$200 million, 500,000 square foot facility.

Problem

The owner opted for the design build approach to shorten the construction time and keep a close control on project's cost. The initial drainage requirements for the job called for trench drains with heavy duty cast iron frames and grates – 1,400 foot total run.

The owner envisioned the plant layout to allow for manufacturing tours by customers and made a special request for inclusion of elevated platforms from where the customers could view the water bottling process without interfering with the plant's operations. This requirement prompted a change to stainless steel products throughout the entire facility for architectural/ engineering reasons.

Solution

A leading local mechanical and plumbing contractor was awarded the mechanical bid - and suggested a meeting with the owner, General Contractor (GC) and local Jay R. Smith Mfg. Co. Representative Principal - the contractor has a good working relationship with the Smith representative and invited him to discuss and present a drainage solution for the job.

Upon review of job requirements and layout, the Smith representative suggested two drainage systems to best cover the job needs: the

pre-sloped, polypropylene Enviro-Flo®, Fig. no. 9930, and the high-capacity pre-sloped fiberglass, Fig. no. 9812, trench drains both with stainless steel grates. Additionally, in order to ensure an adequate drainage capacity in case of a major spill from the bottling tanks, he made the suggestion to upgrade the fiberglass trench drain to a 10" wide system - the owner and GC approved the recommendations.



As the job was on a fast-track schedule, the owner and GC were pleasantly surprised to hear that Jay R. Smith Mfg. Co. could deliver the entire trench drains required in two weeks – a reliable solution that could be designed and installed without delays and with minimal disruptions to the construction schedule.

Additionally, the Smith representative's professionalism and product application knowledge also won approval on converting the other stainless steel drainage products on the job (floor sinks, cleanouts, floor drains) from a competitor to Jay R. Smith Mfg. Co. products.

Results

The beverage bottling plant has a modern, hygienic drainage system that blends in very well with the processing equipment while providing problem-free drainage for many years to come. The owner and GC appreciated the amount of support and personal interest shown by Jay R. Smith Mfg. Co. especially in addressing the requirements of the fast track schedule and making sure the right materials were ordered, received and installed in a timely manner.

