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LINCOLN CENTER PERFORMING ARTS PROJECT, NEW YORK CITY – SMITH STAINLESS STEEL TRENCH DRAIN FABRICATION

The Lincoln Center for Performing Arts is located in the Upper West Side of New York City.

Problem: During the design phase of the Lincoln Center Performing Arts renovation project Gainesfort Architects contacted Woods & Jaye Sales, Inc. the Jay R. Smith Mfg. Co.® representative for New York. Some of the drainage products that were discussed prior to this were too expensive to make the project feasible. Most of the project called for irregular or custom designed trench drains that made the drainage systems complicated for standard products. Because it was a renovation, all of the existing load bearing structures had to remain intact, which caused most of the construction to be precisely designed. The challenge was to develop drainage products and designs that would provide proper drainage performance, handle high load capacities, and retain the integrity of the Lincoln Center.

Solution: Woods and Jaye Sales and Gainesfort Architects worked with FX Fowle Architects and Arup Engineering to design stainless steel trench drain systems that could provide job site solutions. Pace Josey, CPD senior sales engineer with Jay R. Smith Mfg. Co. worked tirelessly with FX Fowle in order to not only design the trench drain configurations, but to maintain the installation schedule of the general contractor.

In order to adhere to the schedule most of the stainless steel trench drains were fabricated and shipped in complete systems instead of individual channel sections. David Glick of FX Fowle Architects states, “This was the first project that we used pre-assembled, fabricated trench drains and we were pleasantly surprised that it saved us time on the job.”

Pre-assembled, fabricated Trench Drains by Jay R. Smith Mfg. Co. installed at The Lincoln Center.

The systems consist of four different custom fabricated stainless steel trench drains that are designed to specifically adapt and install around existing building structures. Trench drains without bottoms and trenches in various depths were designed for applications with existing load bearing structures. Transition pieces were designed to connect these to different size slot-type trench drains. Because of the custom fabrication work that was involved proper measurements had to be maintained and relayed from the architectural drawings in New York to the fabrication shop drawings at Jay R. Smith Mfg. Co.

In many cases stainless steel is the most cost efficient solution because enhanced life cycle costs. Stainless steel has a significantly longer service life and requires less maintenance than other materials. The inherent durability of stainless steel makes it an ideal material for trench drains, floor drains, floor sinks, and floor cleanouts regardless of the application. Stainless steel with its intrinsic gratifying appearance is perfect for facilities where visibility and hygienics are important.

Other industries and applications for stainless steel include: nuclear power plants, bottling plants, breweries, chemical plants, commercial kitchens, dairies, food handling areas, health care facilities, laboratories, and pharmaceutical facilities.

This phase of the Lincoln Lincoln Center project has progressed nicely and the next phase will have even more custom fabrication trench drain work. Stainless steel trench drains add an appeal to an otherwise unnoticeable application. David Glick stated, “making sure all of the stainless steel trench drain designs gave us functionality and visual appeal was important.”

For more information on Smith Stainless Steel Trench Drain Products or to contact your local representative visit www.jrsmith.com.

The Lincoln Center Development Project is a massive upgrade to New York’s most popular cultural and performing arts district. LincolnCenter is considered by many to be the world’s leading performing arts center. Located on 16.3 acres in New York City, the Lincoln Center complex is comprised of 12 Resident Organizations. Lincoln Center serves as a dynamic economic catalyst for the region, hosting five million visitors annually and transforming the Upper West Side into a neighborhood that is now one of New York’s most desirable places in which to live and work.