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New York Stock Exchange Trading Floor Expansion

ARCHITECT: Skidmore, Owings & Merrill, NYC

STRUCTURAL ENGINEER: Gilsanz Murray Steficek, NYC

MECHANICAL, ELECTRICAL & PLUMBING ENGINEER: Jaros Baum & B NYC

HVAC CONTRACTORS: J.T. Falk, NYC

ORNAMENTAL METAL CONTRACTOR: W&W Glass Systems Inc., Nanu

ELECTRICAL CONTRACTOR: Albin Gustafson, NYC

ACOUSTICAL CONTRACTOR: National Acoustics, NYC

STRUCTURAL STEEL FABRICATOR/ERECTOR: Skyline Steel, Brooklyn

MILLWORK FABRICATORS: Infrastrutures, Brentwood, N.Y.

CONSTRUCTION MANAGER: Morse Diesel International

OWNER: New York Stock Exchange, NYC

Like rushing to sell before the closing bell, the \$35 million New York Stock Exchange Trading Floor Expansion was on a tight schedule. The 12-month schedule was complicated by a shortage of manpower in all of the various trades and a complex design.

To accommodate the accelerated schedule and shortage of qualified workers, the construction manager took advantage of its relationship with subcontractors to provide additional manpower and meet the aggressive schedule. The complex design, which included a curved FRG ceiling with angled metal; glass partitioning the mezzanine level; Aluco-bond column covers; and plastic laminate wall and corrugated wall metal panels required a close working relationship with architect and contractors so that installation was optimized and high work quality remained consistent throughout the project.

Another project challenge was that the owner required extensive testing of the HVAC system during the construction process. Due to this owner's mandate, the center was completed six months before the project completion date. The data center contains sensitive equipment in a dust-free environment. It also had to be conditioned and a permanent power source had to be installed.

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The owner also required a full-scale mock-up of the trading posts and boot accomplish this, the construction manager, architect and contractors worked team during construction to build a mockup, complete with equipment, system wiring. This not only allowed the owner to monitor the work, it served as a guide toward the successful completion of the project.

In addition, because some materials required long fabrication times, special attention was paid to delivery dates and multiple field visits were made to factories to ensure materials met specifications and would be delivered as

The jury cited this project for its complexity and for having to perform the work in a "live environment." They cited the team for its resolution of "extra integratio and said the resolution of all project challenges epitomized the team effort the Best of 2000 awards were all about.

[return to Best of 2000 list](#)

[return to top](#) | [return to New York Construction](#)