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Rendering courtesy of Kideney Architects, Project Architect

Buffalo Public School #84 Erie County Health Center Facility for Children Addition and Renovations Buffalo, New York



L F Engineering is providing the structural design and engineering for the addition and renovations at Buffalo Public School #84. L F Engineering is a part of the design team working on the project from conceptual design through final completion.

The major structural aspect of this project is the design of the new main entrance area shown in the

rendering and image. A curved steel truss system was designed to support the open-air curved roof structure. Snow and up lift wind loads were important considerations when designing the structure. In several areas, the existing canopy structure was also reused in other new canopy areas in an effort to reduce overall cost and construction waste. Another structural item for the project has been the coordination of new duct work for the new HVAC system throughout the existing structure.

Expected project completion is fall 2011.

**STRUCTURAL AND CIVIL
QUALITY. DEPENDABLE. PROFESSIONAL.**