



BUFFALO AND FORT ERIE PUBLIC BRIDGE AUTHORITY

Commercial Building Renovation and Additions

Door Hardware, Security and Door Operators

Project Description

The project consisted of renovation and additions to the existing Commercial Building for the Buffalo and Fort Erie Public Bridge Authority. The work included four floors and approximately 68,000 sq. ft. of space.

The building will allow the U.S. Customs and Border Protection to inspect trucks coming into the U.S. from Canada in a more efficient manor. It will include truck bays, docks, offices, and support facilities for the personnel doing the inspections.

The project consisted of detailing door hardware for approximately 162 door openings creating more than 75 individual hardware sets.

Hardware sets were developed using U.S. Customs and Border Protection Standards.

Challenges

- Creating hardware sets that met the requirements for security, fire ratings and types of doors and frames as specified by the Architect.
- Working with the standards of the U.S. Customs and Border Protection which is part of U.S. Department of Homeland Security.
- Integrating electrified door hardware with door operators and security, access control, and fire alarm systems.
- Coordinating electrical requirements at door openings and communicating information to the design team to include in construction documentation.
- Developing an operational narrative for all door hardware sets controlled by electrified door hardware to define operation of opening.

Statistics

| | | |
|-----------------------------------|----|--------------|
| Total Program Cost | \$ | confidential |
| Firm Responsibility Cost. | \$ | confidential |
| Completion Date | | 2016 |

Project Contact

Please call us at 585-424-1952 for project references.

Building rendering©Wendel WD Architecture, Engineering, Surveying & Landscape Architecture, PC. All rights acknowledged.



OPENINGS, *Division 8*

ARCHI-TECHNOLOGY'S DOOR HARDWARE (DH) ROLE

Functions

- Creating DH sets
- Coordinating installation
- Documenting including narratives for electrified DH

Facts & Figures

- Approximately 162 Door Openings
- 76+ individual DH sets
- Integrated with door operators, and Security, Access Control and Fire Alarm systems
- DH sets developed under U.S. Customs and Border Protection Standards



Technology Consultants for the 4th Utility



Project Credits

Owner: Buffalo & Fort Erie
Public Bridge Authority

Architect: Wendel

Construction Manager: LP Ciminelli



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