



PROJECT DESCRIPTION

RE&LS was the Structural Engineer for the design of this 65,000 S.F. new terminal building at the NFIA. The design includes analysis and design of a unique roof system consisting of three-dimensional trusses spanning 125'-0" to provide a column free clear space under the main roof of the building.

The design also includes curve steel girders spanning 85'-0" for a uniquely curved roof of the building. The façade of the structure includes 52'-0" glazing system to the underside of the roof requiring specialized structural design for its support. Some of the safety features considered in the design of the building included blast analysis and design to prevent collapse of the structure in case of a possible terrorist attack.

Owner: Niagara Frontier Transportation Authority

Client: Stantec Consulting
61 Commercial Street
Rochester, NY 14614

Services Provided: Substructure & Superstructure Design

Construction Cost: \$26 Million

Date Completed: 2009