

VEHICLE SCREENING FACILITY, PARLIAMENT HILL

Ontario, Canada

Price: 1.9 million (CAD)

Project Scope: Engineering Professional Services for Physical Security

Size: Single ECP (250 m²)

Project Start: 2015

Project Completion: 2016

Client Reference:

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Project: Design of the protective steel structure which incorporates proprietary energy-dissipating devices. The system is conceived to dissipate energy in case of a blast event in order to allow the primary structure to exhibit minimal permanent

damage. Thus, after fulfilling its protective role, the structure could be easily restored to its pre-attack function. Explora Security were also the Project Mangers for the construction of the structure.

Assignment: Engineer of Record for the design of the protective steel structure which incorporates proprietary energy-dissipating devices. The system is conceived to dissipate energy in case of a blast even in order to allow the primary structure to exhibit minimal permanent damage. Thus, after fulfilling its protective role, the structure could be easily restored to its pre-attack function.

Responsibilities: Co-ordinate the design process through non-linear, dynamic analyses for blast, seismic, wind, temperature and gravity loading. Interface with the foundation contractor and steel fabricator. Provide technical support during contract administration.

