

Building Integrated Solar Project

800 Montreal Road, Ottawa, Ontario

Client

Warlyn Construction

Referral Contact:
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President

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Location:

800 Montreal Road,
Ottawa, Ontario

3G Energy Team:

Graham Findlay, P Eng
Brian Barr, LL B

Project Date: 2015

Consultant Team:



Cleland Jardine Engineering Limited

Christopher Simmonds, Architect



PROJECT DESCRIPTION

3G was approached by the architect of a proposed building to be owned by the OCISCO Non-Profit Housing Corporation, with the idea of integrating solar generation into the building structure. 3G created a design for hanging solar panels above windows on the south face to create an awning effect.

3G organized structural engineering through Cleland Jardine Engineering Limited, resulting in a special bracket that attached to steel structural elements that were incorporated into the building design to suit this project.

3G organized the fabrication of the bracket through a local steel manufacturing supplier.

3G arranged for a Micro-FIT contract to be awarded to the building and then undertook the system installation.

Scope of Work:

- ◆ Structural conceptual design
- ◆ Structural Engineering
- ◆ PV layout and modeling
- ◆ Energy capture forecast
- ◆ Economic Feasibility Study
- ◆ Preliminary interconnection work
- ◆ Micro-FIT contracting
- ◆ Construction of the PV system

