



DNR BATHURST DISTRICT OFFICE

Bathurst, New Brunswick

(Reprinted with permission from
ArcelorMittal Dofasco Steel Design, 2008)

Design and Construction Team

Owner: Province of New Brunswick

**Architectural, Mechanical,
Electrical and Contract
Administration:**

Design and Construction
Division Staff,
New Brunswick Department of
Supply and Services
506-453-6125

Structural:

Miramichi Engineering Ltd.
506-627-0305

General Contractor:

Gloucester Construction Limited.
506-393-1030

Galvalume Roof Cladding

Supplier:
Vicwest
506-857-0057

Roof Installer:

Losier Aluminum (2004) Ltee.
506-395-3097

Photos:

1. The 380 m² roof of the office wing has a roof slope of 3:12, and the 317 m² service wing has a slope of 3.5:12. Both roofs utilize unpainted (.0239") AZM180 Galvalume Plus steel roof cladding.

**Canadian Sheet Steel
Building Institute**

652 Bishop St. N., Unit 2A
Cambridge, ON N3H 4V6
Tel: (519) 650-1285
Fax (519) 650-8081
www.cssbi.ca



Galvalume and Galvalume Plus steel offer exceptional heat reflectivity, resulting in lower energy load and improved comfort.

Galvalume Plus LEEDing the Way

The Bathurst District Office is a new 585 sq.m. office building owned and operated by the Department of Natural Resources (DNR), Province of New Brunswick. It was the first building in Atlantic Canada to achieve LEED certification with CaGBC and received Canada Silver in August, 2006.

For the Department of Supply and Services, an overall goal of the project was to design a facility which would acknowledge the DNR's commitment to the environment and which would endorse the Government of New Brunswick's goal to invest in 'green' infrastructure. As Allan Johnston, Project Architect, states, "this was a pilot project using the LEED rating system to inform the Department of Supply and Services of what is involved with designing, construction and having a project certified with CaGBC".

The overall form of the building was determined by three factors: the site, the desire to minimize site disruption and to maximize daylight and views. Integral to these factors were the objectives of balancing energy efficiency with thermal comfort and occupant control over their environment.

The dominate roof form consists of Vicwest's Marquis roof panels, manufactured from ArcelorMittal Dofasco's unpainted .61mm (.0239") AZM180 Galvalume Plus steel cladding, over Tongue & Groove O.S.B. roof sheathing.

The office wing was positioned so that the occupied areas would face north and south with clerestory lighting into a shared corridor to bring natural light into the recesses of the offices. The south facing elevation was designed with overhangs and was oriented relative to the path of the sun to reduce cooling loads in the summer months.



NOTE: For more detailed and extensive information regarding Galvalume and Galvalume Plus steel, write to or call Ken de Souza at ArcelorMittal Dofasco. e-mail: ken.desouza@arcelormittal.com Tel: 1-800-363-2726



Galvalume Plus steel roofing was selected for its long life and recycled content and that it can be recycled post-use.