

A bold statement in glass and steel, the Rath Eastlink Community Centre in Truro, Nova Scotia, is a bold statement in glass and steel. It features the extensive use of pre-painted AZM165/AZ55 Galvalume steel cladding. Cost, maintenance, life cycle and the goal of achieving LEED Silver certification were the key factors in its selection. "The design was a bit risqué and contemporary for Truro. It did take a while for people to warm up to it," says Paul Smith, senior planner, County of Colchester.



Galvalume cladding is both affordable and durable



Completed in 2013, this 13,471 m² (145,000 sq. ft.) building includes a 2,500-seat event venue, NHL-size ice pad, aquatic centre, fitness and wellness centre, walking lanes and a rock climbing area. Glass walls separate the pool, lobby and arena and maintain transparency and views through the entire 170-metre-long structure.



The exterior pre-painted Galvalume steel wall cladding was carried on into the upper portion of the lobby.



The choice of three colours of cladding, (QC28730 Regent Grey, QC28783 Polar White and QC28317 White) in the Perspectra paint system and the ridged cladding itself, is very successful at breaking up the large wall surfaces.

"The idea of creating a pattern of colours was to break up the monotony and create something that is visually interesting. We didn't want it to look like a warehouse," Smith says. Maintenance was a big concern in the selection of

the exterior building materials. "We were mindful of not encumbering the [operator] with maintenance issues. The building committee was mindful of the life cycle costs," Smith notes. "The goal was to create a strong visual effect that could be viewed from the Trans-Canada highway and that would accentuate the building's sculptural quality using a very cost effective, durable material. The material is something that is widely used in the region and local trades

and contractors would be familiar with it," says Andrew Frontini, project designer, Perkins+Will, for the building.

The Galvalume sheet steel cladding conforms to ASTM A792M and AZM165 coating designation, with a minimum base steel thickness of 0.91 mm (0.036"). It is pre-painted with the Perspectra paint system. The exterior sheet profile is Ideal Roofing's Vee-Rib. "The cladding" Smith says, "is well-suited to the building style."

CLADDING MATERIALS:

Pre-painted Galvalume AZM165 conforming to ASTM A792M
Vee-Rib .032" Regent Grey QC28730
Vee-Rib .032" Bright White QC28783
Vee-Rib .032" White White QC28317

Supreme Liner .026" White White QC28317

Laurentian No stiffeners .026" Galvanized (section interior walls)



The decision to create a pattern of three colours of cladding – very successfully breaks up the large wall surfaces, creating a strong visual effect and accentuating the building's sculptural quality.

DESIGN AND CONSTRUCTION TEAM

OWNER: Municipality of Colchester & Town of Truro

ARCHITECT: Perkins + Will 416-971-6060 Lead Designer
with JDA Architects (now Stantech) 902-422-3000

STRUCTURAL ENGINEERS: Campbell Comeau 902-429-5454

CONSTRUCTION MANAGEMENT:
PCL Constructors Canada 902-481-8500

GENERAL CONTRACTOR: PCL Constructors Canada 902-481-8500

STRUCTURAL STEEL SUPPLIER: RKO Industries 902-468-1322

STRUCTURAL STEEL INSTALLER: RKO Industries 902-468-1322

STEEL DECK SUPPLIER: RKO Industries 902-468-1322

CLADDING SUPPLIER: Ideal Roofing Ltd. 800-267-0860

CLADDING INSTALLER: Dowd Group 506-632-0022