

A cheerful and maintenance free colour scheme

The original school, with a footprint of 3,660m² (39,396 sq. ft.) was a design-build between PHB Group (now Stantec Architecture) and Olympic Construction, completed in 2010. In 2015, with general contractor Redwood Construction, and Stantec again as architect, a 190m² (2,045 sq. ft.) addition was completed.

Built to withstand the area's famously aggressive weather, the exterior wall's first floor is face block, and the rest of its height is pre-painted AZM150 GalvalumeTM wall cladding. "Steel cladding is mostly used on the schools in the province because of maintenance issues. It is also more cost-effective. Anything else is usually scrutinised closely by the government. Steel cladding with some face block is the standard for the province," says Mark Keel, Stantec's project manager for the extension.

The pre-painted AZM150 GalvalumeTM wall cladding is oriented both vertically and horizontally, for a pleasing effect that breaks up the acreage of the two-story structure. The main building is vertically clad with 632m² (6,800 sq. ft.) of S-175-SB, 0.51mm (0.020") Royal Blue

QC8790, 464m² (5,000 sq. ft.) of S-175-SB, 0.51mm (0.020") Sable QC8641 and 242m² (2600 sq. ft.) of S-175-SB, 0.51mm (0.020") Tile Red QC 8259.

The horizontal cladding consists of 437m² (4,700 sq. ft.) of S-30-SH, 0.64mm (0.025") Royal Blue QC8790 and 502m² (5,400 sq. ft.) of S-30-SH, 0.64mm (0.025") Sable QC8641. There is 409m² (4,400 sq. ft.) of Valu-Clad, 0.51mm (0.020") Z275 (G90) galvanized interior mechanical liner panel, and 427m² (4,596 sq. ft.) of AZM150 GalvalumeTM.

The installer used a total of 464m² (4,994 sq. ft.) of 0.64mm (0.025") pre-painted AZM150 GalvalumeTM coloured Tile Red QC8259 on the extension walls. The entire building has 3,850m² (41,441 sq. ft.) of steel deck, with 2-ply modified bitumen.

While Keel can only confirm that the extension was constructed with a steel stud system, he notes that, "I've rarely, if at all, used wood studs. Steel framing is the standard. The province is concerned where moisture could be an issue."

Around 20 kilometres southwest of St. John's, Newfoundland, flanked by the Atlantic Ocean to the east and Conception Bay to the west, is the town of Paradise. On the east side of town is the colourful Elizabeth Park Elementary School, daytime home to 567 Grades 1 to 6 pupils.



The pre-painted AZM150 GalvalumeTM wall cladding is oriented both vertically and horizontally, for a pleasing effect which visually breaks up the acreage of the two-storey structure.

Built to withstand the area's famously aggressive weather, the exterior wall's first floor is face block and the rest of its height is pre-painted AZM150 Galvalume™ wall cladding. "Steel cladding is most often used on the schools in the province because of maintenance issues. It is also much more cost-effective.



The original school, with a footprint of 3,660m² (39,396 sq. ft.) was a design-build between PHB Group (now Stantec Architecture) and Olympic Construction, completed in 2010.

In 2015, with general contractor Redwood Construction and Stantec again as architect, a 190m² (2,045 sq. ft.) addition was completed.



DESIGN AND CONSTRUCTION TEAM:

ARCHITECT: Stantec Architecture

MAIN SCHOOL GENERAL CONTRACTOR: Design-Build between PHB Group & Olympic Construction

SCHOOL EXTENSION GENERAL CONTRACTOR: Redwood Construction

STEEL CLADDING & ROOFING SUPPLIER: Roll Form Group (now Vicwest)

PHOTOGRAPHER: Stephen Sheppard

VERTICAL CLADDING:

- Pre-painted AZM150 Galvalume™ Steel – ASTM 792
- S-175-SB, .61mm (.0239") Royal Blue QC8790: 6,800 sq. ft.
- S-175-SB, .61mm (.0239") Sable QC8641: 5,000 sq. ft.
- S-175-SB, .61mm (.0239") Tile Red QC8259: 2,600 sq. ft.

HORIZONTAL CLADDING:

- Pre-painted AZM150 Galvalume™ Steel – ASTM 792
- S-30-SH, .76 mm (.0299") Royal Blue QC8790: 4,700 sq. ft.
- S-30-SH, .76 mm (.0299") Sable QC8641: 5,400 sq. ft.

INTERIOR MECHANICAL LINER PANEL:

- VALU-CLAD, .51mm (.020") Z275 (G90) galvanized – 418m² (4,400 sq. ft.)
- VALU-CLAD, .51mm (.020") AZ150 Galvalume™ – 427m² (4,596 sq. ft.)

ROOF CLADDING:

- Pre-painted AZM150 Galvalume™ Steel – ASTM 792
- 427m² (4,600 sq. ft.) BATTEN CLAD, .76mm (.0299") AZ150 Galvalume steel coloured Tile Red QC8259.