



GRANUM SCHOOL
GRANUM, ALBERTA

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ArcelorMittal Dofasco Steel Design, 2009)

Colour, Nature and Education



DESIGN AND CONSTRUCTION TEAM

OWNER:
Livingstone Range School
Division N0 68

ARCHITECT:
Marshall Tittemore Architects

MECHANICAL ENGINEERING:
Reinbold Engineering Group

ELECTRICAL ENGINEERING:
Stebnicki Robertson and
Associates Ltd.

STRUCTURAL ENGINEERING:
TRL & Associates Limited

COST CONSULTANT:
Spiegel Skillen and Associates

LANDSCAPE ARCHITECT:
Harris and Harris Site Architecture

GENERAL CONTRACTOR:
Ninety North Construction &
Development Ltd.

STEEL CLADDING SUPPLIER:
Vicwest

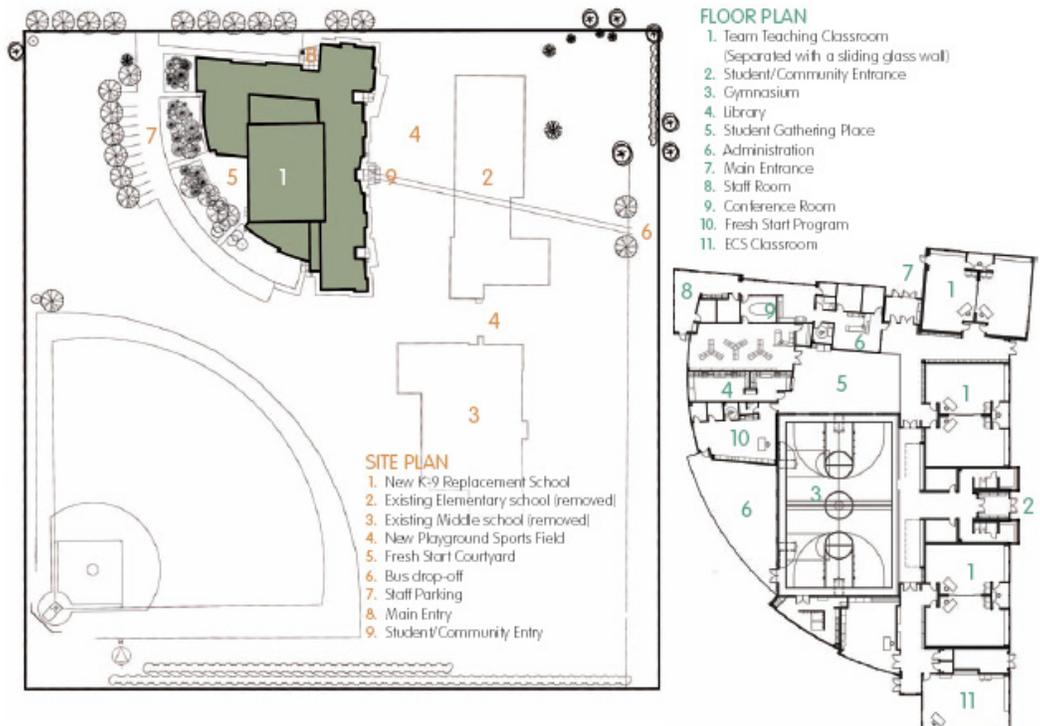
PHOTOGRAPHY:
photoganda.ca

The Granum School, a 641m² (6,900 sq. ft.) 200 capacity K-9 school, was part of the education facility “right-sized” initiative that took place across the province under the direction of Alberta Infrastructure, which now is the responsibility of Alberta Education. The “right-sized” facility lowers operating costs for utilities and maintenance by replacing two older schools of 966m² (10,400 sq. ft.). At a cost of \$3.5 million Granum school is streamlined for efficiency and flexibility.

As can be seen in the photographs, the combination of unpainted Z275 galvanized steel cladding and painted stucco on the exterior of the school evokes simple agrarian forms with colours that compliment the vivid blue, white and green of the sky, the snow and fields that define the rural environment.

A major north/south corridor extends down the length of the school, connecting the common areas located on the western half, with the classrooms on the eastern half. The classrooms are ‘paired’, to facilitate the three division (1 to 3, 4 to 6, 7 to 9) multi-grading nature of instruction.

The kindergarten program is on the quiet, southerly end, while the division-three classrooms are on the north end. In the interests of plan ‘efficiencies’, the corridor also functions as a viewing gallery beside the gymnasium. “A Fresh Start program” serving students from across the school division, that are unable to function constructively, productively and/or socially within a traditional school setting, is located beside the outdoor recreation area.



22.3mm (7/8") corrugated .607mm (.0239") Z275 galvanized steel is used for the horizontal cladding along the west side of the school.



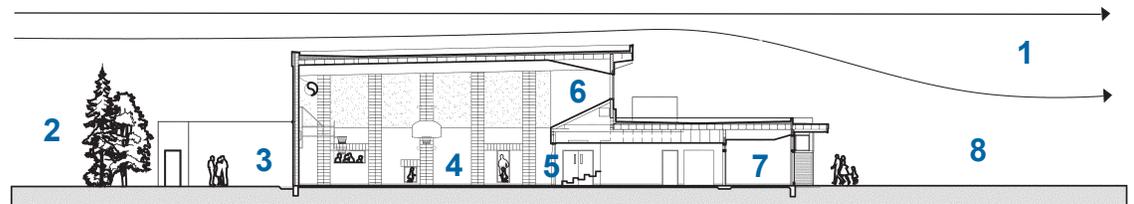
Unpainted Z275 galvanized steel cladding and painted stucco on the exterior of the school evokes simple agrarian forms.

The Tradition profile in .607mm (.0239") Z275 galvanized steel is used for both the standing seam roof of the gymnasium as well as for the building's fascia.

"Through a series of meetings, the building design emerged as we came together to study functional relationships of the school program, the site location and the budget parameters."
 Tom Tittlemore
 Marshall Tittlemore Architects



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



BUILDING SECTION

- 1. Prevailing Westerly/Chinook winds
- 2. Shelter Belt
- 3. "Fresh Start" Time Out Courtyard
- 4. Community Gym
- 5. Bleachers Area/Corridor
- 6. Light Well
- 7. Student/Community Entrance
- 8. Sheltered Playground Area