enVision > Connect > Create.

*How collaborative design shapes an ‘architecture of place’*
Manitoba moves forward
Manitoba’s five-year economic plan

Future Home of
Clearspring Middle School
Hanover School Division
Context

25 minutes South-East of Winnipeg

Steinbach

Strong Roots, Real Growth.
Experience life the Steinbach way.
In September 1874 eighteen Mennonite families founded the village of Steinbach. Most of the families came from a South Russian (Ukraine) village called Steinbach, meaning Stony Brook. In
Context
location

view
Context

location

Silt fence surrounds site
enVision > Connect > Create.
Context

Project Goals
(as listed in the Request for Proposal)

• Livability
• Energy Efficiency
• Sustainability
• Architecture of Place
• Durability
IDP

Ranking Design Principles

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Top 5 Project Drivers
(as voted in Visioning Session)

1. Design Healthy Buildings
2. Maximize Natural Light
3. Neighbourhood-Scaled Learning Environments
4. Cluster Instructional Spaces
5. Facility Management Program
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IDP
‘Imaging’ Exercise

Exploring Architectural Imagery

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IDP

Exploring the definition of ‘place’

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ARCHITECTURE OF PLACE

Welcoming
Cultural Anthropology
community

Rooted Belonging

Physical Space
Visual Recollection of Place

Location

Use of Outdoor Rec Facilities
goals for future

culture

enVision > Connect > Create.
PROJECT DRIVERS WORKSHOP
August 12, 2009

SUSTAINABILITY
Adaptable safety Durability
Materials Selection
Daylight
Central Systems = Energy Efficiency
Water Shed
Ease of Maintenance
Connect to the Land
Respectful of Natural Cycles
Accountability
Mech rooms NOT in basement/or/oasis

LEARNING
Technology
Safety
Outdoor Classrooms
Engaging Learning
Engagement
Emblazoning
Communications systems
Inspiration

ARCHITECTURE OF PLACE
Welcoming
Cultural Anthropology
Rooted Belonging
History
Physical Space
Location
Use of Outdoor RCE Facilities
goals for future
culture

LIVABILITY
Identity
Rooted
Upper Flexibility
Authentic
Foundation
Sidewalk around Building and Exit

COMMUNITY
Identity
Social Access
Pedestrian Linkages to Neighbourhood
Community Art as community vessel

STEWARDSHIP / RESPONSIBILITY
Working with ‘objects’ enables greater participation
Space Adjacency Activity

Group #1

Group #2

Group #3

enVision > Connect > Create.
Planning
Site

enVision > Connect > Create.
Planning
Site

OUTDOOR LEARNING OPPORTUNITIES

Bioswales & outdoor learning environments

COMMUNITY LINKAGES:
Public paths flow through the school site

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My Ideal School would have...

1. Lots of windows (exterior) natural light.
2. Student computers in each classroom.
3. Inviting / contemporary library
4. Informal seating areas for students (hallways, foyer).
5. Mixture of organic feel and angular components.
6. Hallway screens to display announcements / multimedia.
7. Auditorium / theatre capable.
8. Use of environmentally friendly materials (cork floor, etc).
10. Multi-use spaces for small groups and entire classes.

My Ideal School would have...

1. A cafeteria.
2. A theatre / stage.
4. Choir room.
5. More picnic tables.
7. Cushion seats on desks.
8. Student lounge.
9. Sink + microwave in every class.
10. Own TV-DVD player in every class.
11. Metal lab.
12. Slurpee machine.
PLANNING THEIR SCHOOL

Student Learning Session

enVision > Connect > Create.
The importance of site and solar orientation is explained.

Student groups present their designs to the architects.
Steinbach Online’s Chris Teetaert documented much of the process.

Clearspring Middle School: Chapter 5

Ron Falk and Hanover Superintendent Ken Klassen inspect the site.

Welcome to the 5th chapter in the Clearspring Middle School story. A lot of work has been done over the summer as crews took full advantage of the dry weather to get this project off the ground.

Chapter 5: The Walls Go Up...

Construction at Clearspring Middle School in Steinbach is on track thanks in large part to great weather. That’s from Steinbach Schools Chair and Hanover Trustee Ron Falk. “We’ve been so fortunate that we haven’t really experienced severe cold weather. People who have driven past the school have seen the hoarding which means the outside brickwork is happening. On the east side of the building a lot of the face brick has been completed and they are working on the courtyard now.”
enVision > Connect > Create.
Planning
Site

Option 1: West Facing
Option 2: South Facing

enVision > Connect > Create.
Schematic Plan
Floor Plan

“Main Street”
Main Entrance
Town Square
Learning Alcove
Classroom Neighbourhoods

MAIN FLOOR PLAN
Conceptual Organization

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School as “VILLAGE”

enVision > Connect > Create.
Concept
Schematic Massing

enVision > Connect > Create.
Concept
View of Plaza
Concept
View to MPR / front entry
Identity

Classroom Neighbourhoods

- Gr. 5: PIONEERS
- Gr. 6: ADVENTURERS
- Gr. 7: DIFFERENCE-MAKERS
- Gr. 8: LEADERS
‘Pioneers’ Neighbourhood

‘Adventurers’ Neighbourhood
The Bus Stop
Future Outdoor Learning Environment
School as Learning Tool
Exposing Infrastructure

Geothermal heat pumps and manifold
School as Learning Tool
Exposing Infrastructure

Building Envelope
School as Learning Tool
Sense of Place
School as Learning Tool
Expressing function
School as Learning Tool
Exposing Infrastructure

Building Systems
ARCHITECT’S QUESTIONS:

1. Did the process and product respond to the Vision of the Project?

2. Do the owners, stakeholders, and users feel as though they own part of the process, decisions and outcomes?

3. Does the design reflect the uniqueness of its setting, context, culture and time?

Measuring Success.
OWNER’S QUESTIONS:

1. Is the new school a **wonderful place** to live and learn for both students and staff?

2. Is both the new building and school site a **reflection** of and a **contribution** to the community within which it resides?

3. Is the school a **model** of sustainability and social responsibility in structure, operation and program?
Measuring Success.
Measuring Success.
Measuring Success.
Measuring Success.
Measuring Success.
Measuring Success.
Measuring Success.
Measuring Success.
Measuring Success.
Questions?