

Being green – and living up to it

THE BIG IDEA

Building a new school building that is green and living up to it

AN OUTSTANDING PLACE TO ATTRACT

Students and researchers. The main frame of both buildings is jack pine, the overhead structure is a hybrid of steel and wood. The main frame of both buildings is jack pine, the overhead structure is a hybrid of steel and wood.

THE STORY IN THE ROCKS

- Glacial boulders scattered over the site as though left by the last ice age, which retreated 10,000 years ago. The site is a mix of old and new, showing the old time of the last ice age.
- The "Silver Water" limestone on the face of the building is from the Silurian period, 440 million years ago. It shows fossil corals that lived in the Silurian period, 440 million years ago.

INDOOR ENVIRONMENTAL QUALITY

- The carpet and all the glues and materials and finishes used inside the building are low in VOC (volatile organic compound) emissions.



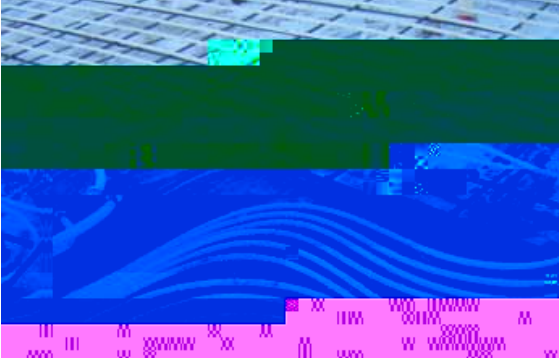
ENERGY EFFICIENCY

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PREPARING FOR THE CLIMATE OF 2050

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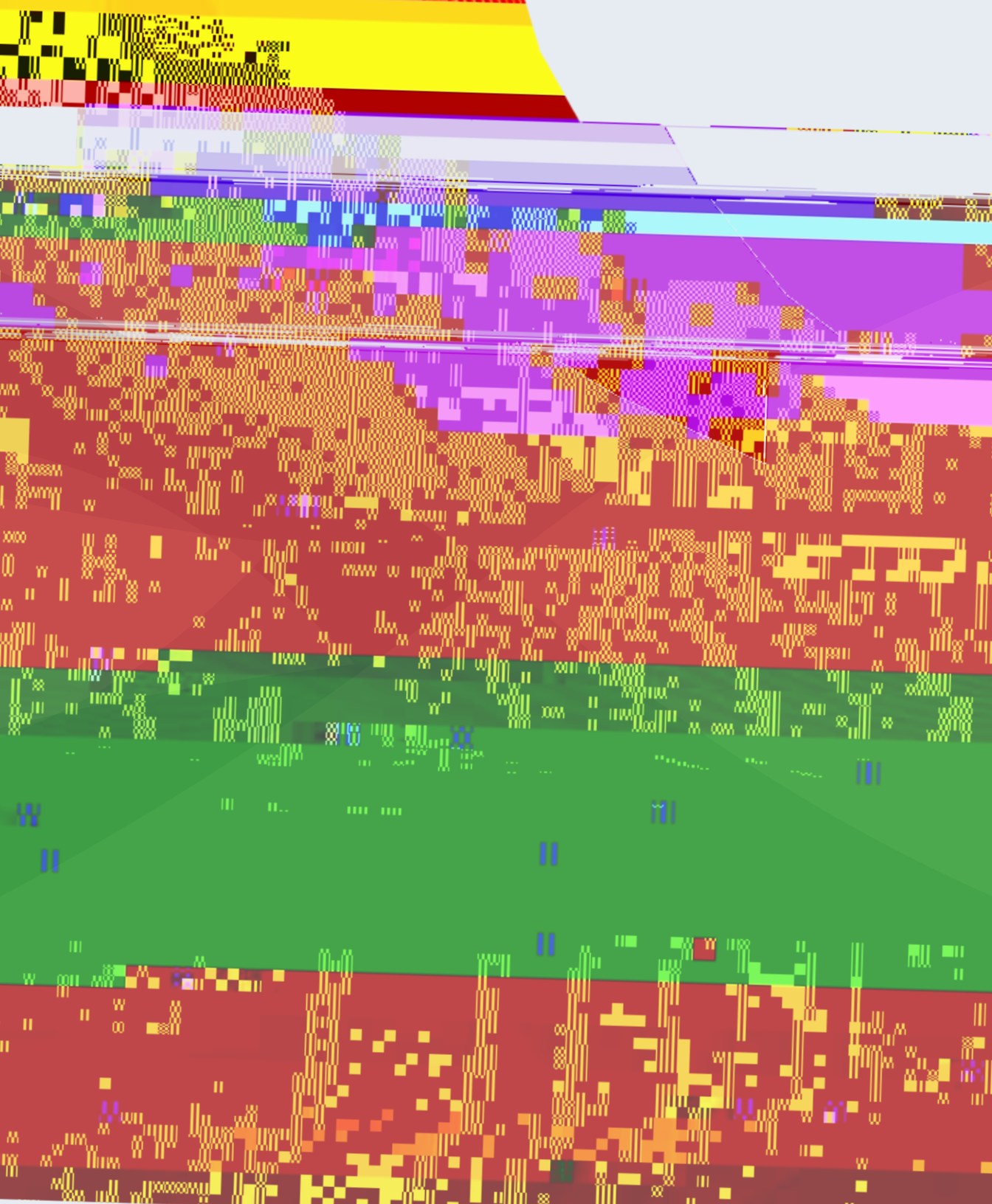


WARMING OUR WATER WITH THE SUN

- Solar heat exchange panels on the roof of the Watershed building generate heat for the building's hot water supply.

GREEN ROOFS

- Drought-resistant blueberries growing in soil on both roofs help absorb heat from the roof and provide a natural cooling effect.



DESIGNING WITH NATURE

The curved shape of the Lake Centre follows a contour of the shore of Ramsey Lake where the water level was about 800 years ago. Glacial rebound is raising the land and will lift the building about another half metre in the next 100 years.

The shape of the centre seen from above, especially the way it divides on either side of the rock mound visible from the foyer, makes it seem like a flowing glacier. Whatever your imagination sees, the lines of Nature's architecture are evident.

BUILT TO INSPIRE

Suburb has a rich history, an epic story of architecture.

