

EVERGREEN BRICK WORKS

550 Bayview Avenue

Project details

Map #
36

Community environmental centre, commercial

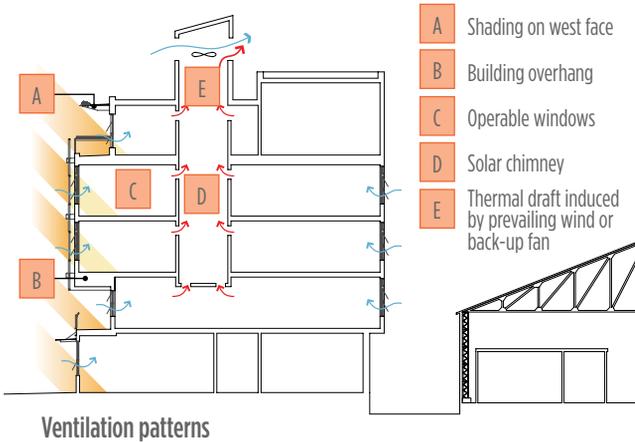
Non-Profit

Adaptive Re-use

Designed to **LEED Platinum**

A Green Build tour site

City-funded support provided by **Eco-Roof Program, Live Green Investment Program and Capital Fund, Toronto Energy Conservation Fund, Toronto Atmospheric Fund**



A VIEW OF SOME OF THE PUBLIC SPACES. THE ENVELOPE OF THE NEW CENTRE FOR GREEN CITIES BUILDING INCLUDES HIGH-PERFORMANCE WINDOWS WITH FIBERGLASS FRAMES [1]. FORMER FACTORY BUILDINGS NOW HOST COMMUNITY EVENTS [2]. THE REFURBISHED CAMPUS OF BUILDINGS RE-PURPOSE A FORMER FACTORY [3].



Located in Toronto's Don Valley ravine system, Evergreen Brick Works is a revitalization of a 4.9-hectare, century-old brick factory that closed its doors 20 years ago. The site has been transformed into Canada's first large-scale community environmental centre: an international showcase for green design and innovation, and a vibrant public space that hosts a farmers' market and retail garden market, plus learning spaces for youth and adults.

Evergreen, a national charity, and its team of partners, reclaimed the derelict buildings with a focus on adaptive reuse that would utilize the embodied energy contained in the original structures.

The Centre for Green Cities, the site's only new building, houses Evergreen's head office and includes the old brick-pressing shed that now serves as the Welcome Centre. The building contains offices for other like-minded organizations, rooms for workshops, events, and a new café.

On target to attain LEED Platinum status, the project reduces energy consumption and environmental footprint through: a computerized network that controls all lighting, heating, ventilation and air conditioning systems, a highly insulated envelope, CO₂ sensors to regulate fresh air intake, high-efficiency chillers that use collected rainwater to help cool the air, and a greenway system of grasses and shrubs that filter sediments from rainwater.

Other features include a green roof, radiant floors, heat recovery from kitchen exhaust and ventilation air, solar [thermal] chimneys for natural ventilation, low-flush toilets, waterless urinals, and cisterns to collect rainwater for the cooling tower and irrigation.

OWNER/CLIENT Evergreen ARCHITECTS du Toit Architects Ltd. AND Diamond + Schmitt Architects HERITAGE ARCHITECT ERA Architects LANDSCAPE ARCHITECT du Toit Allsopp Hillier AND Claude Cormier Architectes Paysagistes Inc. STRUCTURAL ENGINEER, SUSTAINABILITY AND LEED CONSULTING Halsall Associates Limited MECHANICAL & ELECTRICAL ENGINEERS Stantec Consulting CIVIL ENGINEERING AECOM GENERAL CONTRACTOR Eastern Construction PHOTO [1] Holcim PHOTOS [2,3] Tom Arban

