



Owner:
The Ursulines of Chatham

Architect:
Jorden and Cook Architect

- Our Services:**
- Sustainable Design Facilitation
 - Energy Efficiency Consulting
 - LEED® Consulting & Certification
 - Building Commissioning
 - Green Education Program Design

Status:
LEED-NC Gold Certified
Completed 2007

LEED® Project Facts

Gross Floor Area: 5348 (m²)
Energy Density: 224 (kWh/m²)

Category	% Performance
Water Savings	
Irrigation	100 %
Indoor Use	59 %
Energy Savings	
Salvaged Content	5 %
Recycled Content	15 %
Regional Content	27 %
Daylighting	79 %
Views	90 %
LEED® Gold	

Villa Angela

Green building: a commitment to the precious earth
Chatham, Ontario

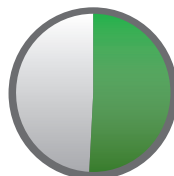


Villa Angela is a residence for the Ursulines in Chatham, a place of prayer and worship, and the administrative centre for the Ursulines of the Chatham Union. The Ursulines are strongly committed to being responsible global citizens. The design and operation of Villa Angela is a natural outgrowth of this commitment.

Project development addressed two environmental issues of regional importance: loss of native habitat and water resources. Thus, landscaping with native woodland species, a rainwater cistern, and water-conserving plumbing fixtures were of top priority. Site design includes an area devoted to the restoration of native woodlands.

Notable Features

- 56% of the site planted in native, drought-resistant vegetation
- Impervious landscaping areas have reflectance of at least 30%
- Rainwater cistern to supply water for toilet flushing
- Water-conserving plumbing fixtures
- High performance windows
- Ground source heat pump system to supply heating and cooling
- Energy-efficient fluorescent lighting with occupancy and daylight sensors
- Occupant controlled heating, cooling, lighting, and windows
- Green housekeeping program
- Green education program



51%
Energy Savings



59%
Indoor Water Savings



20%
Raw Material Savings