LOCAL IMPACT DESIGN

LEAP.HOUSE

Through his company Local Impact Design, Rob Blakeney offers engineering services on high performance buildings including energy modeling, mechanical HVAC, building science, structural analysis (including structural analysis for roof top solar), and rainwater & grey water harvesting. Rob has 26 years in the building industry, including 13 years in green buildings and energy efficiency; as a consultant, contractor and developer. This includes two dozen LEED projects from hospitals to daycare facilities to residential multi-use buildings and high rises. More recently, he has used his company Leap House to focus his specialty on Passive House near-zero buildings for residential and institutional clients.

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PROJECTS

CORDAGE GREEN

Welland, Ontario

Local Impact Design is Passive House consultant for an affordable housing complex in Welland, ON called Cordage Green (www.cordagegreen.ca). This will be a 44 unit, two storey townhouse project, aiming to be the first below-market-cost multi-residential Passive House project in Canada.



References:

Charles Simon,
Charles Simon Architect + Planner
www.simon-archplan.com
simon.edenmills@everus.ca
519-856-9921

Dick Halverson, Project Developer
JustShelter Realty Services, Inc.
www.justshelter.com
dhalverson@justshelter.com
905-687-6722

LIVE/WORK CONDO

15 Mont Street, Guelph ON

A seven-unit complex with shared office access, to be built to Passive House standards.

Reference:

David McAuley, Architect

www.jdm-arch.com

360 Woolwich St., Guelph

david@jdm-arch.com

519-823-2441



ELEMENTARY TEACHERS' FEDERATION OF ONTARIO

Trillium Lakelands Office

Lindsay, ON

Local Impact Design was energy modeler and HVAC designer on this 2,00 sf commercial office building. Passive House approach was used to achieve 75% reduced heating loads. Energy efficiency was found by incorporating straw bale wall with 2x6 exterior wall (R-56), R-100roof and certified Passive House windows. A certified heat recovery ventilator (HRV) was used to supply fresh air to the building with 90% energy efficiency.

Reference:

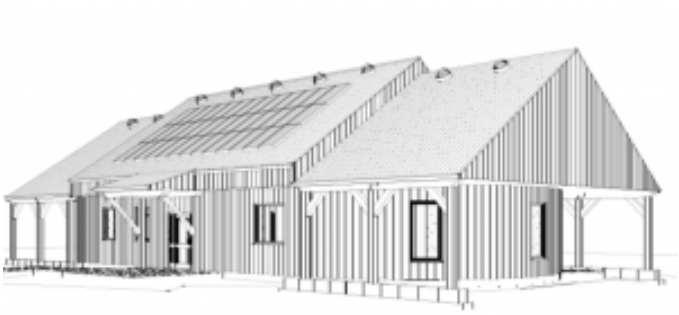
Chris Magwood

Founding Director of The Endeavor Centre

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705-957-3282



GUELPH SOLAR ROOFTOP INSTALLATIONS

As structural engineer to Guelph Solar Mechanical, Local Impact Design has stamped the permits of dozens of solar photo-voltaic installation projects on buildings ranging from Rob Blakeney's own home to a local historic church.

Reference:

Steve Dyck, owner

Guelph Solar Mechanical

http://www.guelphsolar.net/

steve@guelphsolar.net

519-994-4749



LEED PROJECTS

Received LEED Accredited Professional status in 2004 and have since been involved I over two dozen LEED projects ranging from daycare centres to hospitals to communities, short list below.



Reference:

Jeremy Carkner, P.Eng, LEED AP BD+C
Morrison Hershfield Ltd.
Department Manager, GTA Sustainability
JCarkner@morrisohershfield.com
905-319-6668

Sample of over two dozen LEED projects this past decade:

- Saskatchewan Housing Corporation, Maple Leaf Estate. Lead facilitator of 40 green building experts for the CMHC-sponsored 3-day integrated design charrette for 60 unit affordable housing project, Regina.
- Minto Spring high-rise project (LEED Silver candidate)
- 150 suite Minto Roehampton (LEED Gold) project
- Minto Midtown high-rise, largest residential LEED building in N.America (LEED Gold)
- Aurora 24 Storey Residential Tower, Edmonton, Alberta, incorporating combined heat-and-power design concept.
- Town of Cobourg Community Centre (LEED Silver candidate)
- University of Guelph, Engineering Building, LEED Silver candidate
- Magna Arts and Entertainment Building, Aurora (LEED Gold candidate)
- Kitchener Operations Facility (LEED Gold candidate)
- 40,000 sf office addition, Windsor, Ontario (Rosati Group)
- LEED Reviewer for 31 Storey Residential Tower, Fort McMurray, AB (targeting LEED Gold).
- LEED and Best Practice Commissioning Design Review for River Avenue Daycare, Winnipeg, MB, incorporating geo-exchange and radiant heat systems.