

A SUPERINSULATED RETROFIT

Energy Efficiency for Existing Houses

By Harold Orr

March 10, 2010

Grant MacEwan University - CN Theatre Rm 142

105 st. Building 105 St. and 105 Ave. Edmonton

www.solaralberta.ca

Free presentation and discussion. Free refreshments at 6:30pm

Homeowners, Builders, Architects and Developers

Start with your existing house and save money, energy and GHG emissions! Come and hear Canada's legendary figure in energy efficient houses present the findings from his latest project.



Harold's talk will focus on the renovation of a 1950s 4-plex in Regina, which is nearing completion. The retrofit involved the addition of a well sealed air-vapour barrier, exterior framing and R28-batt insulation on both the above grade and below grade walls, new windows, an innovative point-source heating system, upgraded ventilation, attic air sealing and upgrades of the interior finishes and cabinetry. This 4-plex will likely be one of the most energy efficient multi-unit houses in Canada.



Harold Orr is a retired engineer and journeyman carpenter with a distinguished career with the Division of Building Research at the National Research Council in Saskatoon. Harold has been associated with a number of key innovations in the field of low energy houses including practical air sealing technologies (he pioneered the use of acoustical sealant to join polyethylene vapour barrier sheets), the Saskatchewan Conservation House (where the team developed the heat recovery ventilator), double wall retrofits of residential buildings, the HOTCAN computer program (forerunner of the HOT-2000 residential energy analysis program), air tightness measurements of buildings, and a host of other

innovations. His work has revolutionised energy efficient housing around the world and made Canada the leader that it is today.

Presented by:



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