

Aaron Grin, M.A.Sc.



Aaron is a building scientist and researcher with a background in structural Civil Engineering. He is primarily interested in low energy-use, durable and sustainable residential buildings.

As part of BSC's building science team and on-site verification group, Aaron works with homebuilders constructing green production-built homes. He is also a key member of the team constructing and operating BSC's Guarded Hot Box and is actively involved in the installation of data acquisition systems, design reviews, forensic investigations, on-site performance testing as well as construction verification.

Aaron joined BSC after completing his studies in Civil Engineering at the University of Waterloo through which he gained a strong grasp of steel, concrete and wood frame building design. His master's thesis "High Performance Residential Housing Technology" compared over 40 years of Ontario building codes, explored energy efficiency programs including ENERGY STAR®, R-2000 and LEED for Homes, with Monarch Corporation (the Canadian division of Taylor Woodrow Inc.) and the Natural Sciences and Engineering Research Council of Canada (NSERC), includes a chapter which details the credit attainment process for a production-built home that achieved LEED for Homes Gold certification and a HERS rating of 50. This work was extended and has become a two-phase development with over 200 production built homes that will attain LEED Certifications. As a member of the Building Engineering Group at the University of Waterloo, Aaron completed a study for Enerworks, Inc. to determine the feasibility of using their flat plate solar hot water panels in conjunction with a mass slab for space heating.

Education

University of Waterloo
Waterloo, Ontario
Bachelor of Applied Science in Civil Engineering

University of Waterloo
Waterloo, Ontario
Master of Applied Science in Civil Engineering, Building Engineering Group



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