



Eco-Solar Home Tour 2018

Saturday 2 June 2018 Noon to 4 pm

Cameron Heights NZER Home

Tour Day: Saturday

Address:

Hosts: Rosecrest Homes

Parking: On Street

Energuide: 125 GJ/year



Summary points why people need to see your home

- Early stage construction details for an energy efficient home.
- People will see how an air tight building envelop is specified.
- View the “Rough in” requirements needed for future mechanical & solar
- Insulation techniques for all wall systems & basement concrete.

Home Specification that will increase efficiency include:

- 2”x8” exterior wall with R28 Fibreglass
- 3” exterior Styrofoam wrap
- Air tight building envelop (Air Change 0.80 changes/hr)
- Air source Mitsubishi Zuba heat pump (heating & cooling)
- Electric Boiler
- Electric water tank
- HRV (Heat Recovery Ventilator)
- R40 Basement wall insulation
- R17 Under Slab Insulation
- Solar Rough in – wiring

What are the main things people will see at your home?

- Wall systems & insulation
- Solar Rough In (electrical run from roof to mechanical)
- Under slab insulation (basement floor insulation)
- Windows



Edmonton



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Why is this home on the tour?

This house is not only energy efficient, but even more importantly it will be a healthier home and very comfortable. The HRV (Heat Recovery Ventilator) provides the home with a continuous supply of fresh outside air that is filtered through a HEPA filter, making the inside air cleaner than the outside air. There are elevator stations on all levels of the home providing full accessibility for anyone with mobility challenges. This home is unique as it considers the homeowner in all stages of life, with special attention to the comforts required in retirement.

What features save on energy costs?

- Insulation
- Windows
- Mechanical systems
- Drain water heat recovery system (coil)
- HRV – Heat Recovery Ventilator

What features save on water costs?

- Toilets
- Faucets
- Insulated water lines
- Recirculating water
- Drain water heat recovery unit

Are there any other special features you want to highlight?

This home features an electric elevator – providing access to both levels of the home.

