

823-1714

2018 WSEC Residential Energy Compliance Certificate (Effective February 1, 2021)

Property address: 8702 Ashy Maiden Dr
 Builder/registered design professional name: Landmark
 Builder/reg. design pro. signature: [Signature]
 Conditioned floor area: 1688 #² (per building permit)

R-Values (R303.1.1)
 Ceiling/Vaulted R-49 Floors: Over unconditioned space R-38
 Attic: Attic R-49 Slab-on-grade floor R-
 Walls: Above grade R-24 Fully insulated slab? Y/N (Circle one)
 Below, int. R- Doors: R- , R- , R-
 Below, ext. R-

U-Value of Windows, Skylights and Doors (R303.1.1.3)
 Average area weighted U-value from Glazing Worksheet Average U-.28

Fuel Normalization (Tables R406.2) and Energy Credits (Table R406.3)
 System Type Number (1 to 5) 2 (Select one)
 Energy Credits selected (1 to 7) 1.3, 2.3, 3.1, 5.5
 Fuel Normalization Credit 1 + Total Energy Credits 5 = Total Credits 6

System	Type (Manufacturer and Model Number)	Efficiency
Heating	<u>Heat Pump 36MARBA36AB3</u>	<u>9.0</u>
Cooling	<u>Heat Pump</u>	<u>15.4</u>
DHW	<u>Pro H50 T2 RH3104M</u>	<u>3.4246E</u>
Drain water heat recovery		

Onsite Renewable Energy Electric Power System
 System type _____ System design capacity _____ kW
 Rated annual generation _____ kWh/yr

Appliances	Manufacturer and Model	Energy Star? (Circle one)
Dish washer	<u>[Signature]</u>	<u>Y or N</u>
Refrigerator	<u>[Signature]</u>	<u>Y or N</u>
Washer		<u>Y or N</u>
Dryer		<u>Y or N</u>

Gas fireplace / heating stove (Section R402.4.2) Fireplace efficiency (FE) _____
 Heating or Decorative? (Circle one)

HVAC System Duct Leakage Testing (R403.3) Circle one

All ductwork and air handler in conditioned space? (See Option 4.2) Y or N
 All ductwork in unconditioned spaces buried and tested at 3% total leakage, and air handler in conditioned space? (See Option 4.1.) Y or N
 All ductwork & air handler outside conditioned space insulated to minimum R-8? Y or N
 Air handler present at duct leakage test? (Total leakage 4% if yes, 3% if no) Y or N
 HVAC leakage to outside test conducted at final? Y or N

Do HVAC duct leakage tests include GPS and time stamp verification? Y or N

HVAC system leakage test calculated design target: 67 CFM @ 25 Pa
 HVAC system leakage test measured results: 60 CFM @ 25 Pa

Building Leakage Testing (R402.4.1.2)

Dwelling unit leakage test calculated design target: 1.50 ACH @ 50 Pa
 Dwelling unit leakage test, measured results: 1.1 ACH @ 50 Pa
 Whole Building Leakage test (R2 non-corridor only) design target: 290 CFM/sf @ 50 Pa
 Whole Building Leakage test (R2 non-corridor only) measured: 265 CFM/sf @ 50 Pa

Do building leakage tests include GPS and time stamp verification? Y or N

Whole House Ventilation System Measured Flow Rates (M1505.4 IRC-WA) Circle one

Are the system controls correctly labeled? Y or N
 The Whole House Ventilation (WHV) system operation and maintenance (O&M) instructions were provided to the building owner? Y or N
 Provided to: Landmark on _____ (date)

Whole House Ventilation System Type: (Circle one)
Whole house exhaust fan, location ~~fan~~
Balanced HRV/ERV, location furnace closet
 For R2 low-rise, serves more than one unit? Y or N
 (3) Supply or HRV WHV integral to the air handler. Describe system control sequence of operations or reference to design submittal: _____

Specify run-time: 24 hours per day _____ CFM
 WHV calculated design minimum flow rate per plan submittal: _____ CFM
 WHV measured min flow rate at commissioning: Exhaust 158 CFM, Supply 180 CFM

Do WHV flow tests include GPS & time stamp verification? Y or N

HRV/ERV sensible heat recovery efficiency: 80

Commissioning Notes: _____

Other Mandatory Requirements Circle one
 All other mandatory requirements of WSEC-R have been met? Y or N