

New Home Program commissioning sheet



The New Home Program Commissioning Sheet is required documentation for new homes as a part of the New Home Program Rebate application. Please keep a copy with the mechanical system. This sheet will provide valuable information when your system is serviced in the future. For full rebate program requirements visit fortisbc.com/newhome.

Instructions:

Have your mechanical contractor complete this sheet with the installation of the mechanical system. Your energy advisor will need to submit this piece of documentation for the New Home Program rebate application.

Contractor information

Technician name	Contractor business name	Commissioning date
Contractor License #	Installation Permit Number	

Development information

Builder/developer company name	
Builder/developer contact email	Builder/developer contact phone

Development address

Address	City	Province	Postal code
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F280-12 load calculations

F280-12 verified software
 TECA Heat Loss & Heat Gain Calculator Wrightsoft Right-Suite Universal Avenir HeatCAD / LoopCAD

Design heat loss (BTU/h)	Design heat gain (BTU/h)
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Heat recovery ventilator or energy recovery ventilator (if applicable)

Manufacturer	Model	Serial number
Static pressure (fresh air) in. WC	Static pressure (exhaust) in. WC	
Air Flow (exhaust) CFM (high-speed)	Air Flow (fresh air) CFM (high-speed)	
Efficiency rating (sensible heat recovery) Sensible heat recovery efficiency (SRE) @ 0°C (or 32°F)		
Efficiency rating (total recovery efficiency) Total heat recovery (TRE) for energy recovery ventilator		

Controls

Thermostat

Manufacturer	Model	Serial number
Switchover strategy (select one) <input type="checkbox"/> Capacity balance point <input type="checkbox"/> Economic balance point <input type="checkbox"/> Manufacturer default <input type="checkbox"/> Program specified	Switchover method (select one) <input type="checkbox"/> Outdoor temperature sensor <input type="checkbox"/> Outdoor weather data <input type="checkbox"/> Deviation from setpoint Switchover temperature °C	

Controls Education

Builder/developer educated (thermostat programming, maintenance, troubleshooting)
 Yes No

Builder/developer provided materials (owner's manuals, warranty documents, commissioning sheet)
 Yes No

Technician name

Signature

Mechanical system commissioning**Program pathway 1 (gas furnace, electric heat pump and electric hot water)****Gas furnace**

Manufacturer	Model	Serial number
Type <input type="checkbox"/> Single-stage <input type="checkbox"/> Two-Stage <input type="checkbox"/> Modulating		
Inlet gas pressure (in. WC)	Manifold gas pressure (skip if modulating furnace installed) in. WC (high-fire) in. WC (low-fire)	Temperature rise (on high-fire) °F (supply air) °F (return air) °F (total rise)
Clocking-the-meter (BTU/h)		
Rise range (on high-fire) as per manufacturer °F (minimum rated temperature rise) °F (minimum rated temperature rise)	External static pressure in. WC (return air) in. WC (filter) in. WC (A-coil) in. WC (supply air) in. WC (Total External Static Pressure) in. WC (manufacturers allowable Total External Static Pressure)	
Air flow CFM (high-fire)		
Two-pipe venting to outside (select one) <input type="checkbox"/> Yes <input type="checkbox"/> No		
Filter type (select one) <input type="checkbox"/> Pleated (1") <input type="checkbox"/> Electronic <input type="checkbox"/> Pleated (2" or greater) <input type="checkbox"/> Fibreglass <input type="checkbox"/> Electrostatic <input type="checkbox"/> Other:		
Filter efficiency MERV rating		

Heat pump

Manufacturer (outdoor unit)	Model (outdoor unit)	Serial number (outdoor unit)
Manufacturer (A-Coil)	Model (A-Coil)	Serial number (A-Coil)
Refrigerant type (select one) <input type="checkbox"/> R-410 A <input type="checkbox"/> CO ₂ <input type="checkbox"/> R-32 <input type="checkbox"/> Other:	Refrigerant charge (select one) <input type="checkbox"/> Verified factory default (as supplied) <input type="checkbox"/> Adjusted	Efficiency rating HSPF SEER Or Or HSPF2 SEER2

Electric hot water

Manufacturer	Model	Serial number
Water heater type (select one) <input type="checkbox"/> Tank electric water heater <input type="checkbox"/> Tankless electric <input type="checkbox"/> Heat pump water heater	Tank capacity (select one) <input type="checkbox"/> Gallons <input type="checkbox"/> Gallons per minute <input type="checkbox"/> N/A	
Power requirement Wattage (watts)		

Program pathway 2 (combination gas space heating & hot water and electric heat pump)**Combination space & water heating**

Manufacturer (tankless)	Model (tankless)	Serial number (tankless)
Manufacturer (air handling unit)	Model (air handling unit)	Serial number (air handling unit)
CSA P9.11 Rating (select one) <input type="checkbox"/> No <input type="checkbox"/> Yes, provide Thermal Performance Factor (TPF)	Space Heating Capacity BTU / h Water Heating Capacity L / min	

External static pressure in. WC (return air) in. WC (filter) in. WC (A-coil) in. WC (Total External Static Pressure) in. WC (manufacturers allowable Total External Static Pressure)	Two-pipe venting to outside (select one) <input type="checkbox"/> Yes <input type="checkbox"/> No
	Filter type (select one) <input type="checkbox"/> Pleated (1") <input type="checkbox"/> Electronic <input type="checkbox"/> Pleated (2" or greater) <input type="checkbox"/> Fibreglass <input type="checkbox"/> Electrostatic <input type="checkbox"/> Other:

Filter efficiency
MERV rating

Heat pump

Manufacturer (outdoor unit)	Model (outdoor unit)	Serial number (outdoor unit)
Manufacturer (A-Coil)	Model (A-Coil)	Serial number (A-Coil)
Refrigerant type (select one) <input type="checkbox"/> R-410 A <input type="checkbox"/> R-32 <input type="checkbox"/> CO ₂ <input type="checkbox"/> Other:	Refrigerant charge (select one) <input type="checkbox"/> Verified factory default (as supplied) <input type="checkbox"/> Adjusted	Efficiency rating HSPF SEER Or Or HSPF2 SEER2

Program pathway 3 (electric space heating and electric hot water)

All-electric heat pump or electric furnace (if applicable)

Manufacturer (outdoor unit)	Model (outdoor unit)	Serial number (outdoor unit)
Manufacturer (electrical furnace)	Model (electrical furnace)	Serial number (electrical furnace)
Manufacturer (A-Coil)	Model (A-Coil)	Serial number (A-Coil)

Space Heating Capacity BTU / h	Supplemental Heating Size kW
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Refrigerant type (select one) <input type="checkbox"/> R-410 A <input type="checkbox"/> CO ₂ <input type="checkbox"/> R-32 <input type="checkbox"/> Other:	Refrigerant charge (select one) <input type="checkbox"/> Verified factory default (as supplied) <input type="checkbox"/> Adjusted	Efficiency rating HSPF SEER Or Or HSPF2 SEER2
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External static pressure in. WC (return air) in. WC (filter) in. WC (A-coil) in. WC (Total External Static Pressure) in. WC (manufacturers allowable Total External Static Pressure)	Air flow CFM (high-fire)
	Filter type (select one) <input type="checkbox"/> Pleated (1") <input type="checkbox"/> Electronic <input type="checkbox"/> Pleated (2" or greater) <input type="checkbox"/> Fibreglass <input type="checkbox"/> Electrostatic <input type="checkbox"/> Other:

Filter efficiency
MERV rating

Electric baseboards (if applicable)

Manufacturer	Model	Serial number
Baseboards total number	Baseboards total length ft	Space Heating Capacity kW

Electric hot water

Manufacturer	Model	Serial number
Water heater type (select one) <input type="checkbox"/> Tank electric water heater <input type="checkbox"/> Tankless electric <input type="checkbox"/> Heat pump water heater	Tank capacity <input type="checkbox"/> Gallons <input type="checkbox"/> Gallons per minute	Power requirement Wattage (watts)