Energy Efficiency Design Summary:

Performance & Other Acceptable Compliance Methods

(Building Code Part 9, Residential)

This form is used by a designer to demonstrate that the energy efficiency design of a house complies with the building code using the Performance or Other Acceptable Compliance Methods described in Subsections 3.1.2. and 3.1.3. of SB-12,

This form must accurately reflect the information contained on the drawings and specifications being submitted. Refer to Supplementary Standard SB-12 for details about building code compliance requirements. Further information about energy efficiency requirements for new buildings is available from the provincial building code website or the municipal building department.

	For use by Principal A			
Application No:	Mode	el/Certification Number	V. J. J.	
A. Project Information				
Building number, street name			Unit number	LovCon
милигранту	Postal code Reg.	Plan number/ other descripti	on	
B. Compliance Option [indicate	the building code compliance option be	ing employed in this ho	use design]	
☐ SB-12 Performance* [SB-12 - 3.	ance results using an approved software (see guide)			
☐ ENERGY STAR®* [SB-12 - 3.1.3	Package [BOP] form			
☐ R-2000® *[SB-12 - 3.1.3.] * Attach R-2000 HOT2000 Report				
C. Project Building Design C	onditions			
or troject banang beergn e	9/14/14/9/19			
Climatic Zone (SB-1):	Heating Equipment Efficiency			
Climatic Zone (SB-1): □ Zone 1 (< 5000 degree days)	Heating Equipment Efficiency □ ≥ 92% AFUE	□ Gas □	Propane t	Solid Fuel
Climatic Zone (SB-1):	Heating Equipment Efficiency	□ Gas □	Propane t	Solid Fuel Earth Energy
Climatic Zone (SB-1): □ Zone 1 (< 5000 degree days)	Heating Equipment Efficiency □ ≥ 92% AFUE □ ≥ 84% < 92% AFUE	□ Gas □	Propane t Electric t	
Climatic Zone (SB-1): □ Zone 1 (< 5000 degree days) □ Zone 2 (≥ 5000 degree days)	Heating Equipment Efficiency □ ≥ 92% AFUE □ ≥ 84% < 92% AFUE	Gas Golden	Propane t Electric t aracteristics	
Climatic Zone (SB-1): □ Zone 1 (< 5000 degree days) □ Zone 2 (≥ 5000 degree days) Ratio of Windows, Skylights & Glass	Heating Equipment Efficiency □ ≥ 92% AFUE □ ≥ 84% < 92% AFUE	□ Gas □ □ Oil □ Other Building Ch □ Log/Post&Beam	Propane to Electric to aracteristics	Earth Energy
Climatic Zone (SB-1): □ Zone 1 (< 5000 degree days) □ Zone 2 (≥ 5000 degree days)	Heating Equipment Efficiency □ ≥ 92% AFUE □ ≥ 84% < 92% AFUE (W, S & G) to Wall Area	□ Gas □ □ Oil □ Other Building Ch □ Log/Post&Beam □ Slab-on-ground	Propane to Electric to aracteristics □ ICF Above Grade □ Walkout Baseme	Earth Energy
Climatic Zone (SB-1): □ Zone 1 (< 5000 degree days) □ Zone 2 (≥ 5000 degree days) Ratio of Windows, Skylights & Glass	Heating Equipment Efficiency □ ≥ 92% AFUE □ ≥ 84% < 92% AFUE	□ Gas □ □ Oil □ Other Building Ch □ Log/Post&Beam □ Slab-on-ground □ Air Conditioning	Propane to Electric to aracteristics □ ICF Above Grade □ Walkout Baseme □ Combo Unit	Earth Energy
Climatic Zone (SB-1): □ Zone 1 (< 5000 degree days) □ Zone 2 (≥ 5000 degree days) Ratio of Windows, Skylights & Glass	Heating Equipment Efficiency □ ≥ 92% AFUE □ ≥ 84% < 92% AFUE (W, S & G) to Wall Area W, S & G % =	Gas Oil Other Building Ch Log/Post&Beam Slab-on-ground Air Conditioning Air Source Heat I	Propane to Electric to aracteristics □ ICF Above Grade □ Walkout Baseme □ Combo Unit Pump (ASHP)	Earth Energy
Climatic Zone (SB-1): □ Zone 1 (< 5000 degree days) □ Zone 2 (≥ 5000 degree days) Ratio of Windows, Skylights & Glass Area of walls =m² orft² Area of W, S & G =m² orft²	Heating Equipment Efficiency □ ≥ 92% AFUE □ ≥ 84% < 92% AFUE (W, S & G) to Wall Area W, S & G % =	Gas Oil Other Building Ch Log/Post&Beam Slab-on-ground Air Conditioning Air Source Heat F	Propane to Electric to aracteristics □ ICF Above Grade □ Walkout Baseme □ Combo Unit Pump (ASHP) leat Pump (GSHP)	Earth Energy ICF Basement
Climatic Zone (SB-1): □ Zone 1 (< 5000 degree days) □ Zone 2 (≥ 5000 degree days) Ratio of Windows, Skylights & Glass Area of walls =m² orft²	Heating Equipment Efficiency □ ≥ 92% AFUE □ ≥ 84% < 92% AFUE (W, S & G) to Wall Area W, S & G % =	Gas Oil Other Building Ch Log/Post&Beam Slab-on-ground Air Conditioning Air Source Heat F	Propane to Electric to aracteristics □ ICF Above Grade □ Walkout Baseme □ Combo Unit Pump (ASHP) leat Pump (GSHP)	Earth Energy ICF Basement
Climatic Zone (SB-1): □ Zone 1 (< 5000 degree days) □ Zone 2 (≥ 5000 degree days) Ratio of Windows, Skylights & Glass Area of walls =m² orft² Area of W, S & G =m² orft²	Heating Equipment Efficiency □ ≥ 92% AFUE □ ≥ 84% < 92% AFUE (W, S & G) to Wall Area W, S & G % =	Gas Oil Other Building Ch Log/Post&Beam Slab-on-ground Air Conditioning Ground Source Heat F	Propane Electric aracteristics □ ICF Above Grade □ Walkout Baseme □ Combo Unit Pump (ASHP) leat Pump (GSHP) age to be compare	Earth Energy ICF Basement Int Id for compliance

D. Building Specifications (provide values and ratings of the energy efficiency components proposed, or attach ENERGY STAR BOP form

Building Component	Minimum R or Maximu	RSI / R values im U-Value ⁽¹⁾	Building Component	Efficiency Ratings
Thermal Insulation	Nominal	Effective	Windows & Doors Provide U-Value ⁽¹⁾ or ER rating	
Ceiling with Attic Space			Windows/Sliding Glass Doors	
Ceiling without Attic Space			Skylights/Glazed Roofs	
Exposed Floor			Mechanicals	
Walls Above Grade			Heating Equip.(AFUE)	
Basement Walls			HRV Efficiency (SRE% at 0°C)	
Slab (all >600mm below grade)			DHW Heater (EF)	
Slab (edge only ≤600mm below grade)			DWHR (CSA B55.1 (min. 42% efficiency))	# Showers_
Slab (all ≤600mm below grade, or heated)		1	Combined Space / Dom. Water Heating	•

⁽¹⁾ U value to be provided in either W/(m²•K) or Btu/(h•ft²•F) but not both.

E. Performance Design Verification [Subsection 3.1.2. Performance Compliance]						
The annual energy consumption using Subsection 3.1.1. SB-12 Reference Building Package isGJ (1 GJ =1000MJ						
The annual energy consumption of this house as designed isGJ						
The software used to simulate the annual energy use of the building is:						
The building is being designed using an air tightness baseline of:						
☐ OBC reference ACH, NLA or NLR default values (no depressurization test required)						
☐ Targeted ACH, NLA or NLR. Depressurization test to meetACH50 or NLR or NLA						
☐ Reduction of overall thermal performance of the proposed building envelope is not more than 25% of the envelope of the compliance package it is compared against (3.1.2.1.(6)).						
☐ Standard Operating Conditions Applied (A-3.1.2.1 - 4.6.2)						
☐ Reduced Operating Conditions for Zero-rated homes Applied (A-3.1.2.1 - 4.6.2.5)						
□ On Site Renewable(s): Solar:						
Other Types:						
F. ENERGY STAR or R-2000 Performance Design Verification [Subsection 3.1.3. Other Acceptable Compliance Methods]						
☐ The NRCan "ENERGY STAR for New Homes Standard Version 12.6" technical requirements, applied to this building design result in the building performance meeting or exceeding the prescriptive performance requirements of the Supplementary Standard SB12 (A-3.1.3.1).						
☐ The NRCan, "2012 R-2000 Standard " technical requirements, applied to this building design result in the building performance meeting or exceeding the prescriptive performance requirements of the Supplementary Standard SB12 (A-3.1.3.1).						
Performance Energy Modeling Professional						
Energy Evaluator/Advisor/Rater/CEM Name and company: Accreditation or Evaluator/Advisor/Rater License #						
ENERGY STAR or R-2000						
Energy Evaluator/Advisor/Rater/ Name and company: Evaluator/Advisor/Rater License #						
G. Designer(s) [name(s) & BCIN(s), if applicable, of person(s) providing information herein to substantiate that design meets the building code]						
Qualified Designer: Declaration of designer to have reviewed and take responsibility for the design work.						
Name BCIN Signature						

Form authorized by OHBA, OBOA, LMCBO. Revised December 1, 2016