Print Reset Form

TORONTO

Design/Criteria

Energy Efficiency Design Summary

Date (yyyy-mm-dd)

Project Information

Street Number	Street Name	Suite/Unit Number

Project Description

Compliance Option

☐ SB-12 Prescriptive (SB-12 – 3.1.1.)	Table: Package (Select One):
☐ SB-12 Performance* (SB-12 – 3.1.2.)	*Attach energy performance calculations using an approved software
☐ ENERGY STAR®* (SB-12 3.1.3.)	*Attach BOP Form
☐ 2012 R2000 Standard	*House must be evaluated by NRCan advsior. Builder must be a licensed R2000 builder.

Project Design Conditions

Climatic Zone (SB-1):	Heating Equipment Efficiency	Space Heating Fuel Source
☑ Zone 1 (< 5000 degree days)	☐ ≥ 92 % AFUE ☐ ≥ 84 % < 92 % AFUE	☐ Gas ☐ Propane ☐ Solid Fuel ☐ Oil ☐ Electric ☐ Earth Energy

Other Building Conditions

☐ ICF Basement	☐ Walkout Basement	☐ Log/Post& Beam
☐ ICF Above Ground	☐ Slab on Ground	

Openings

Openings includes windows, sidelights, skylights, glazing in deck and sliding glass doors

Gross Wall Area = m^2	% Opening + _____ %
Gross Open Area = m^2	

Building Specifications

Provide values and ratings of the energy efficiency components proposed, or attach Energy Star BOP form

Building Component	Effective RSI/R Values	Building Component		Efficiency Ratings
Thermal Insulation		**Windows and Doors**[1]		
Ceiling with Attic Space		Windows/ Sliding Glass Doors	U-Value	
Ceiling without Attic Space			Energy Rating	
Exposed Floor		Skylights		
Walls Above Grade		**Mechanicals**		
Basement Walls		Space Heating Equipment (%)		
Slab (all >600mm below grade)		HRV Efficiency (%)		
Slab (edge only ≤ 600mm below grade, normal RSI value)		DHW Heater (EF)		
		Combined Space and Domestic Hot Water Heating (TPF)		
Heated Slab or Slab (all ≤ 600mm below grade, or heated)		Notes: 1. Provide AFUE or indicate if condensing type combined system used. 2. Drain water heat recovery unit must be installed in compliance with Article 3.1.1.12, supplementary standard SB-12.		

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Energy Efficiency Design Summary

Performance Design Verification

Complete applicable sections if SB-12 performance, Energy Star, or R2000 options used				
SB —12 Performance				
The annual energy consumption using SB-12 Prescriptive (SB-12 – 3.1.1.)	Table:	Package:	is _____	GJ (1 GJ = 1000MJ)
The annual energy consumption of this house as designed is _____ GJ				
The software used to simulate the annual energy use of the building is:				
The building is being designed using an air leakage of _____ air changes per hour @50Pa				
ENERGY STAR: BOP form attached. The house will labeled on completion by:				

ENERGY STAR and R2000		
Evaluator/Advisor/Rater Name	Builder R2000 License Number	Evaluator/Advisor/Rater License Number

Designers

Names of designers who are responsible for the building code design and whose plans accompany the permit application	
Architectural	Mechanical