Energy Efficiency Design Summary: Prescriptive Method

(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 prescriptive method described in Subsection 3.1.1. of SB-12. This form is applicable where the ratio of gross area of windows/sidelights/skylights/glazing in doors and sliding glass doors to the gross area of peripheral walls is not more than 22%.

		For use by P						
Application No:				Certification Number				
A. Project Information Building number, street name					Jnit number	110	vCon .	
660 Miikana Road				om name.		278		
Municipality Gloucester		Postal code Reg. Plan number / other description 4M-1618						
			77.53 60 70					
B. Prescriptive Complian	ce [indicate the	building code co	ompliance					
SB-12 Prescriptive (input design package): Package: A1								
C. Project Design Condition	ıs							
Climatic Zone (SB-1):		eating Equipment Efficiency		Space Heating Fuel Source				
■ Zone 1 (< 5000 degree days)	■ ≥ 92% AFUE			■ Gas □ Propane		□ Solid Fuel		
□ Zone 2 (≥ 5000 degree days)		□ ≥ 84% < 92% AFUE		□ Oil □ Electric			□ Earth Energy	
Ratio of Windows, Skylights & Glass (W, S & G) to Wall Area				Other Building Characteristics □ Log/Post&Beam □ ICF Above Grade □ ICF Basemer				
Area of walls =m ² or 3880f	W, S & C	3 % = <u>13.5</u>		□ Slab-on-ground	/Post&Beam □ ICF Above Grade o-on-ground □ Walkout Basement			
Area of W, S & G =m² or <u>524</u>	Utilize windov	v averaging: □`	∕es ∎No	□ Air Conditioning □ Combo Unit □ Air Sourced Heat Pump (ASHP) □ Ground Sourced Heat Pump (GSHP))	City of Otta Building Services B	
Area of VV, S & G = m or	IL			□ Ground Sourced	Heat Pump (G	SHP)	REVIEWED By dominique bordage at 4:29 pm, \$	
D. Building Specifications	orovide values a	nd ratings of the	energy eff	iciency components pro	posed]		By dominique bordage at 4.29 pm, 3	
Energy Efficiency Substitutions	•						Building Code Revi	
□ ICF (3.1.1.2.(5) & (6) / 3.1.1.3.(5) 8	(6))						Signature	
Combined space heating and dome	estic water hea	ting systems	(3.1.1.2.(7) / 3.1.1.3.(7))			D. BORDAGE	
□ Airtightness substitution(s)								
☐ Table Airtightness test required	3.1.1.4.B Re	quired:		Permitted	d Substitution:_			
Refer to Design Guide Attached) □ Table	3.1.1.4.C Re	.1.1.4.C Required: Permitted Substit				ıtion:		
-	Re	Required:			Permitted Substitution:			
Building Component	Minimum F or Maximu	SI / R values m U-Value ⁽¹⁾		Building Compon	ent	Effic	iency Ratings	
Thermal Insulation	Nominal	Effective	Windows & Doors Provide U-Value ⁽¹⁾ or ER rating					
Ceiling with Attic Space	R60		Windows/Sliding Glass Doors		ors	25		
Ceiling without Attic Space	R31		Skylights/Glazed Roofs			0.49		
Exposed Floor	R31		Mechanicals		,			
Walls Above Grade	R22		Heating Equip.(AFUE)			96%		
Basement Walls		R21.12	HRV E	fficiency (SRE% at 0°C) 75		75%	5%	
Slab (all >600mm below grade)			DHW F	leater (EF)		0.8		
Slab (edge only ≤600mm below grade)	R10		DWHR (CSA B55.1 (min. 4		efficiency))		# Showers	
Slab (all ≤600mm below grade, or heated) R10		Combir	ned Heating System		NO		
(1) U value to be provided in either W/(m²dE. Designer(s) [name(s) & BCIN(s)	,		viding infor	mation herein to substa	ntiate that design	n meets th	ne huilding codel	

BCIN

46674

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

Name

Catherine Buck

Qualified Designer Declaration of designer to have reviewed and take responsibility for the design work