Energy Efficiency Design Summary (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 precriptive method described in Subsection 3.1.1. of SB-12. This form is applicable where 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 Pr	Principal Authority							
Application No:					Model/Certification Number				
A. Project Information									
Stonehaven Lot 3				Unit number Lot/				/Con	
Burlington Ontario Postal Code			de	Reg. Plan number / other description					
B. Prescriptive Compliance [indicate the building code compliance option being employed in this house design]									
■ SB-12 Perspective (inp	e): Package:	: A1 · Table: 3.1.1.2.A(IP)							
C. Project Design Conditions									
Climactic Zone (SB-1) Heating Equipment Eff					Space Heating Fuel Source				
Zone 1 (< 5000 degree days)					□ Gas		■ Propane		Solid Fuel
■ Zone 2 (≥ 5000 degree days)	≥ 84	FUE	□ Oil			■ Electric		Earth Energy	
Ratio of Windows, Skylights & G	ll Area		Other Building Conditions						
				■ Log/Post&Beam ■ ICF Above Gra			ide 🗖 ICF Basement		
Area of walls = 2803.10 Sq. F1	r.		15 6 Q Q	15.68 %		■ Slab-on-ground ■ Walkout Baser ■ Air Conditioning ■ Combo Unit			
71100 01 (70110 200110 00.11	<u> </u>	/, S & G % =	15.00%						
	vindow averaging: Yes No			o Air Sourced Heat Pump (ASHP)					
Area of W, S & G = 0.00 Sq. FT.									
D. Building Specifications [provide values and ratings of the energy efficiency components proposed, or attach Energy Star BOP form]									
Energy Efficiency Substitutions									
□ ICF (3.1.1.2.(5) & (6) / 3.1.1.3.(5) & (6))									
Combined space heating and domestic water heating systems (3.1.1.2.(7) / 3.1.1.3.(7))									
■ Airtightness substitution(s)									
Airtightness test required	L Tubic s	cquirea		Terrinced Substitution.					
(Refer to Design Guide Attached)	□ Table 3	Required:	ired: Permitted S				bstitution:		
			Required:	Permitted Substitution:					
Building Component	Minimum RSI / R values or Maximum U value ⁽¹⁾			Building Component			Efficiency Ratings		
3 - 4									
Thermal Insulation Nomi			Effective	Windows & Doors Provide U-Value ⁽¹⁾ in W/m ²				.K, or ER ra	ating
Ceiling with Attic Space		R60		Wind		ding Glass Doo	ors		
Ceiling without Attic Space		R31	Sky		ylights/Glazed Roofs			.49	
Exposed Floor		R31	Med		chanicals				
Walls Above Grade		R22 -			ating Equip. (AFUE or condensing typ		ondensing type)	0 0 7 0	
Basement Walls		R20 ci	01		V Efficiency (SRE% at 0 [®] C)		75%		
Slab (all >600mm below grade)				DHW Heater (EF)		(EF)			.8
Slab (edge only ≤ 600mm below grade)		R10		DWHR (CSA B55.1 (min. 42% efficiency))			42%	#Showers _2_	
Slab (all ≤ 600mm below grade, or heated) R10				Cor	Combined Heating System				
(1) U value to be provided in either W/(m².K) or Btu/(h.ft².F) but not both. E. House Designer [name & BCIN, if applicable, of person providing information herein to substantiate that design/meets the building code]									
Name	BCIN	y "		Signature		//			
Eric Canton				84	4	J :	$\zeta^{\prime\prime}$	//	- ·
Virtual Creations Inc					•		/	7	