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/glazing in doors and sliding glass doors to the gross area of peripheral walls is not more than 22%.

Application No:

For use by Principal Authority

Model/Certification Number

A. Project Informatio	n								
1967 Cessna Private					Unit number		Lot/Con 17		
Municipality Postal code				Reg. Plan number / other description					
West Carleton				4M -					
B. Prescriptive Co	mpliance	[indicate the	building code c	ompliance	package being emplo	oyed in this house o	design]		
SB-12 Prescriptive (inp	ut design p	ackage): F	ackage: <u>A</u> 1		Table	e: 3.1.1.2.A(IF	<u> </u>		
C. Project Design Co	nditions								
Climatic Zone (SB-1):		quipment Effi	ciency						
■ Zone 1 (< 5000 degree days)		■ ≥ 92% AFUE□ ≥ 84% < 92% AFUE			■ Gas □ Propane □ Oil □ Electric		□ Solid Fuel □ Earth Energy		
□ Zone 2 (≥ 5000 degree days) Ratio of Windows, Skylights & Glass						r Building Characteristics		L Latti Lileigy	
Ratio of Willdows, Skylight	(VV, S & G) L	o wan Area		□ Log/Post&Bear	Grade □ ICF Basement				
Area of walls =m ² or 3	144.0.0.0	· · · 9.8	☐ Slab-on-ground ☐ Walkout Bas						
		W, S & G % = 9.8			☐ Air Conditionin				
	Utilize window	averaging: □	Yes ≣No	☐ Air Sourced He					
Area of W, S & G =m ² o	Utilize window averaging: □Yes ■			□ Ground Sourced Heat Pump (GSHP)					
D. Building Specifica	tions [pro	vide values an	nd ratings of the	energy ef	ficiency components	proposed]			
Energy Efficiency Subs	titutions						City	of Ottowa	
□ ICF (3.1.1.2.(5) & (6) / 3.1.	1.3.(5) & (6	3))				,		of Ottawa g Services Branch	
□ Combined space heating a	and domest	ic water hea	ting systems	(3.1.1.2.((7) / 3.1.1.3.(7))		REVIEWE		
□ Airtightness substitution(s)		By Nicholas Winn at 10:19 am, Sep 01, 2021							
		3.1.1.4.B Required:			Permitted Substitution:_		Buildin	g Code Reviewed	
		.1.1.4.C Re	quired:	Permitted Substitution:_		'm			
		Required:			Permitted Substitution:		Signature		
Building Compone	nt	Minimum R	SI / R values m U-Value ⁽¹⁾		Building Comp		Effici	ency Ratings	
Thermal Insulation		Nominal	Effective	Windows & Doors Provide U-Value ⁽¹⁾ or ER			trating		
Ceiling with Attic Space		R60		Windows/Sliding Glass Doors		Doors	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 Efficiency (SRE% at 0°C)		0°C)	75%		
Slab (all >600mm below grade)		DE DE		DHW Heater (EF)		0.8			
Slab (edge only ≤600mm below grade)		R10		DWHR (CSA B55.1 (min. 42% e				# Showers	
Slab (all ≤600mm below grade, or heated)		R10		Combined Heating System		NO			
(1) U value to be provided in eith	ner W/(m²•K)	or Btu/(h•ft²•F) but not both.						
E. Designer(s) [name(s)	& BCIN(s),	if applicable, o	f person(s) prov	iding infor	mation herein to sub	stantiate that design	n meets the	e building code]	
Qualified Designer Declarati	on of design	er to have revi	iewed and take	responsib	ility for the design wo	rk.			
Name	E		BCIN	IN Signature		/			
Catherine Buck	,		46674	16674 MASS		11			
Form authorized by OHBA, OBOA, LMCBO. Revised	December 1, 201	6.				wet -			