Town of Innisfil Certified Model
2023-08-02 3:14:24 PM jpenfold

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 Principal Authority	
Application No:	Model/Certification Number

A. Project Information BAYVIEW WELLINGTON RL-6C ELEV. B (13049)

Building number, street name	Unit number	Lot/Con

Municipality	Postal code	Reg. Plan number / other description
INNISFIL		

B. Prescriptive Compliance [indicate the building code compliance package being employed in this house design]

SB-12 Prescriptive (input design package): Package: **A1** Table:

C. Project Design Conditions

Climatic Zone (SB-1):	Heating 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
Area of walls = **372.63** m^2 **or 4011.00** ft^2	W, S & G % = **13.74**	☐ Log/Post&Beam ☐ ICF Above Grade ☐ ICF Basement ☐ Slab-on-ground ☐ Walkout Basement ☐ Air Conditioning ☐ Combo Unit ☐ Air Sourced Heat Pump (ASHP) ☐ Ground Sourced Heat Pump (GSHP)
Area of W, S & G = **51.21** m^2 **or 551.23** ft^2	Utilize window averaging: ☐ Yes ■ No	

D. Building Specifications [provide values and ratings of the energy efficiency components proposed]

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 (Refer to Design Guide Attached)	☐ Table 3.1.1.4.B Required: Permitted Substitution:
	☐ Table 3.1.1.4.C Required: Permitted Substitution:
	Required: Permitted Substitution:

Building Component	Minimum RSI / R values or Maximum U-Value(1)		Building Component	Efficiency Ratings	
Thermal Insulation	Nominal	Effective	**Windows & Doors** Provide U-Value(1) or ER rating		
Ceiling with Attic Space	60		Windows/Sliding Glass Doors	1.6	
Ceiling without Attic Space	31		Skylights/Glazed Roofs	0.49	
Exposed Floor	31		**Mechanicals**		
Walls Above Grade	22		Heating Equip.(AFUE)	96%	
Basement Walls	20 ci		HRV Efficiency (SRE% at 0° C)	75%	
Slab (all >600mm below grade)	N/A		DHW Heater (EF)	0.80	
Slab (edge only ≤600mm below grade)	10		DWHR (CSA B55.1 (min. 42% efficiency))	1	# Showers 2
Slab (all ≤600mm below grade, or heated)	10		Combined Heating System		

(1) U value to be provided in either W/(m^2•K) or Btu/(h•ft^2•F) but not both.

E. 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
VA3 DESIGN INC	**25591**	