

Energy Efficiency Design Summary

(Part 9 Residential)

This form is used to summarize the energy efficiency design of the project. Information on completing this form is on the reverse

Application No:		For use by Principal Authority	
Model/Certification Number			

A. Project Information

Building number, street name	Gosford 2011	C	#241 HUNTSVILLE DR	Unit number	15
Municipality		Postal code		Reg. Plan number / other description	Ann 1413

B. Compliance Option

☒ SB-12 Prescriptive [SB-12 - 2.1.1.]	Table: 2.1.1.2A	Package: A B C D E F G H I J K L M
☐ SB-12 Performance* [SB-12 - 2.1.2.]	* Attach energy performance calculations using an approved software	
☐ ENERGY STAR® [SB-12 - 2.1.3.]	* Attach BOP form	
☐ EnerGuide 80*	* House must be evaluated by NRCan advisor and meet a rating of 80	

C. Project Design Conditions

Climatic Zone (SB-1):		Heating Equipment Efficiency		Space Heating Fuel Source	
☒ Zone 1 (< 5000 degree days)	☒ ≥ 90% AFUE	☒ Gas	☐ Propane	☐ Solid Fuel	
☐ Zone 2 (≥ 5000 degree days)	☐ ≥ 78% < 90% AFUE	☐ Oil	☐ Electric	☐ Earth Energy	
Windows+Skylights+Glass Doors		Other Building Conditions			
Gross Wall Area = 233.34 m ²	% Windows+ 9.12 %	☐ ICF Basement	☒ Walkout Basement	☐ Log/Post&Beam	
Gross Window+ Area = 21.27 m ²		☐ ICF Above Grade	☐ Slab-on-ground		

D. Building Specifications

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

Building Component	RSI / R values	Building Component	Efficiency Ratings
Thermal Insulation			
Ceiling with Attic Space	8.81	Windows/Sliding Glass Doors	1.8
Ceiling without Attic Space	5.46	Skylights	
Exposed Floor	5.46	Mechanicals	
Walls Above Grade	3.87	Space Heating Equip. ²	92%
Basement Walls	3.52	HRV Efficiency (%)	60%
Slab (all >600mm below grade)	--	DHW Heater (EF)	0.62
Slab (edge only ≤600mm below grade)	1.76	NOTES	
Slab (all ≤600mm below grade, or heated)	1.76	1. Provide U-Value in W/m2.K, or ER rating	
2. Provide AFUE or indicate if condensing type combined system used			

E. Performance Design Verification

[complete applicable sections if SB-12 Performance, Energy Star or EnerGuide80 options used]

SB-12 Performance:

The annual energy consumption using Subsection 2.1.1. SB-12 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 be labeled on completion by:

ENERGY STAR and EnerGuide80:

Evaluator/Advisor/Rater Name:

Evaluator/Advisor/Rater Licence #:

F. Designers

[names of designers who are responsible for the building code design and whose plans accompany the permit application]

Architectural Santos Domingos

Mechanical Santos Domingos