



**BC STEP CODE COMPLIANCE CHECKLIST
- PERFORMANCE PATHS FOR PART 9
BUILDINGS**



A: PROJECT INFORMATION

Building Permit #:	
Builder:	Tidman Construction Ltd
Project Address:	3767 Waring Place
Municipality / District:	Saanich
Postal Code:	V8P 5E9
PID or Legal Description:	000-068-683

Pre Construction

Building Type	Single Detached
# of Dwelling Units:	1

B: CODE COMPLIANCE SUMMARY

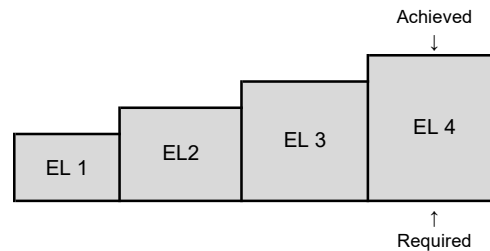
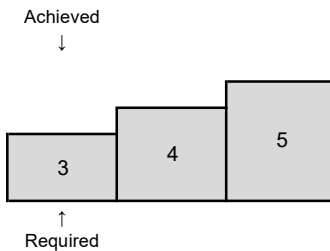
BC Building Code Performance Compliance Path:
9.36.6. BC Energy Step Code ERS

Energy Step Code Step Required
3

Zero Carbon Step Code Level Required
EL 4 - Zero Carbon

Proposed Step Achieved
3

Proposed Level Achieved
EL 4 - Zero Carbon



Based on info provided by the builder & the following drawings:

Plan Author	Step One Design
Plan Version	R.02
Plan Date	APR. 13/2026

C: COMPLETED BY

Full Name (Print):	Tony Leung	Date (YYYY-MM-DD):	6/1/2026
Company Name:	Balanced Home Energy	Service Organisation:	EnerTech Solutions Ltd
Phone:	250-216-8669	Energy Advisor ID #:	9F04
Address:	2651 Mount Stephen Ave	CODECO placed in Field 8 of H2K <u> x </u>	
Email:	tony@balancedhomeenergy.ca		

P File #

D: BUILDING CHARACTERISTICS SUMMARY

		Performance Values		
		USI	SHGC	
Roof / Ceilings	Details (Assembly / System Type / Fuel Type / Etc.)		Average Effective RSI	
	Truss @24" oC, R-40 Insulation, 1/2" GWB Flat Ceilings w R-28 Batt		6.27	
Above Grade Walls	Rainscreen, 1/2" Ply Sheathing, 2x6 @16" oC w R-22 Insulation Garage Wall w R-20 Insulation		3.35	
	Rainscreen, 1/2" Ply Sheathing, R-20 Insulation		3.85	
Floors Over Unheated Space	TJI @16" oC w R-28 Insulation Floor Over Garage w R-31 Insulation		5.24	
Walls Below Grade	2.5" XPS Insulation		2.41	
Slabs	Uninsulated			
Windows and glazed doors	Double glazed, Argon Fill, Low E Coating		USI	SHGC
			1.61	0.32
Doors	Fibreglass with Polystyrene Core		RSI	0.85
Air Barrier System & Location	Internal/External Air Barrier Approach		ACH	2.50
			NLA	1.15
			NLR	0.85
Space Heating/ Cooling	Principal	Electric Air Source Heat Pump	COP	2.50
		Air Source Heat Pump Cooling	COP	2.50
	Supplementary	Electric Furnace	SSE	1.00
Domestic Hot Water	Electric Tank		% Eff	0.95
Ventilation	Fresh Air Via Forced Air w Primary Exhaust		% EFF	L/s
			0%	42.00
Other	ELECTRIC FIREPLACE		SSE	100%
Fossil Fuels	The building including all units is designed with NO fossil fuel use or infrastructure			

E: 9.36.5. ENERGY PERFORMANCE COMPLIANCE

Complete this section if using the Energy Performance Compliance Path in Subsection 9.36.5.

Proposed House Energy Consumption (GJ/year)	
HVAC	
DHW Heating	
SUM	0

Reference House Rated Energy Target (GJ/year)	
HVAC	
DHW Heating	
SUM	0

The airtightness value used in the energy model calculations for the Proposed house is: _____

Or Testing Target: 2.50

The above calculation was performed in compliance with Subsection 9.36.5. of Division B: _____

F: 9.36.6. ENERGY STEP CODE COMPLIANCE

Proposed House Rated Energy Consumption (GJ/year): 45

Reference House Rated Energy Target (GJ/year): 83

Proposed House Metrics	Unit	Proposed Step Requirement	Proposed Calculations	
			Proposed House Result	Proposed House Pass or Fail
Step Code Level	Step 3, 4 or 5	3		Fail
Mechanical Energy Use Intensity (MEUI)	kWh/(m ² ·year)	55 (max)	25	Pass
% Improvement	%	20 (min)	46	
Thermal Energy Demand (TEDI)	kWh/(m ² ·year)	33 (max)	30	Pass
% Heat Loss Reduction	%	10 (min)	5	
Airtightness in Air Changes per Hour at 50 Pa differential	ACH @ 50 Pa	2.5 (max)	2.50	Pass
Normalized Leakage Area (NLA ₁₀)	10 Pa (cm ² /m ²)	1.2 (max)	1.15	
Normalized Leakage Rate (NLR ₅₀)	L/s/m ²	0.89 (max)	0.85	
Step Code Requirements Met:				Yes

Software Used: Hot2000

Version: 11.13b43

Heated Floor Area (m²) 503.80

Climate Data (Location): VICTORIA UNIVERSITY

Building Volume (m³) 1146.30

Degree Days Below 18°C (HDD): 2674

Building Surface Area (m²) 931.20

FWDR: 21.6%

% Of Space Cooled More than 50%

G: ZERO CARBON STEP CODE

Proposed House Metrics	Unit	Proposed Level Requirement	Proposed Calculations	
			Proposed House Result	Proposed House Pass or Fail
Zero Carbon Step Code Level	EL-1 - EL-4	EL 4 - Zero Carbon		
Total GHG	kg CO _{2e} / year	265 (max)	139	Pass
CO _{2e} per floor area with max	Per Floor area	1.5 (max)	0.3	Pass
	Max	500 (max)	139	
Prescriptive	Heating	Zero Carb	Zero Carb	Pass
	Hot Water	Zero Carb	Zero Carb	
	All building systems, equipment and appliances	Zero Carb	Zero Carb	
Target Reached:				Yes