

## **Energy Efficiency Design Verification**

Building Approvals Department 6911 No. 3 Road, Richmond, BC V6Y 2C1

## www.richmond.ca

building@richmond.ca

This form is to be completed by the Coordinating Registered Professional and submitted at the time of permit application for all buildings subject to the Part 10 Energy Efficiency Requirements in the BC Building Code.

## **ATTENTION: Building Official, Building Approvals Department**

Re: Address:

Ι.

\_\_\_\_\_, am the Coordinating Registered Professional for the above-

mentioned project and have coordinated the design to substantially comply with Part 10 of the 2018 BC Building Code, based on pursuing the Energy Regulation indicated Section A below.

Section A: Project Details		
Energy Standard:	□ ASHRAE 90.1-2019 (Please complete Section B)	
	NECB-2020 (Please complete Section C)	
	Energy Step Code (Please complete Section D)	
	Other (Please specify and complete Section B, C, or D based on base regulation)	
	Specific Energy Regulation Pursued:	

Section B: ASHRAE 90.1 2019				
Section	Compliance Pathway (please check)	Name of Responsible Registered Professional of Record		
5 – Building Envelope	<ul> <li>Mandatory + Prescriptive</li> <li>Mandatory + Trade-off</li> <li>Mandatory + ECB</li> </ul>			
6 – HVAC	<ul> <li>Simplified Approach</li> <li>Mandatory + Prescriptive</li> <li>Mandatory + ECB</li> </ul>			
7 – Service Water Heating	<ul> <li>Mandatory + Prescriptive</li> <li>Mandatory + ECB</li> </ul>			
8 – Power	Mandatory			
9 – Lighting	<ul> <li>Mandatory + Building Area</li> <li>Mandatory + Space by Space</li> <li>Mandatory + ECB</li> </ul>			
10 – Other Equipment	Mandatory			
OR				
11 – ECB Method	Energy Cost Budget			
	OR			
Appendix G – Performance Rating Model				

Section C: National Energy Code of Canada for Buildings (NECB) 2020				
Part	Compliance Pathway (please check)	Name of Responsible Registered Professional of Record		
3 – Building Envelope	<ul> <li>Prescriptive</li> <li>Prescriptive + Simple Trade-off</li> <li>Prescriptive + Detailed Trade-off</li> </ul>			
4 – Lighting	<ul><li>Prescriptive</li><li>Prescriptive + Trade-off</li></ul>			
5 – HVAC	<ul><li>Prescriptive</li><li>Trade-off</li></ul>			
6 – Service Water Heating Systems	<ul><li>Prescriptive</li><li>Trade-off</li></ul>			
7 – Electrical Power Systems and Motors				
OR				
8 – Building Energy Performance Compliance Path				

## Section D: Energy Step Code

Energy Step Pursued:

Low Carbon Building Energy System (refer to bulletin Building-40).

Degree – Days Below 18°C:\_\_\_\_\_

	Intensity (kWh/m².year)	Demand Intensity (kWh/m².year)	Professional of Record
3.3.			
□ F □ G □ H □ I □ J			
	Sentence 10.2.3.3.(3) Passive House		
	⊒ F ⊒ G ⊒ H ⊒ I ⊒ J	□ F □ G □ H □ I □ J Sentence 10.2.3.3.(3) Passive House	□ F □ G □ H □ I □ J Sentence 10.2.3.3.(3)

□ All the applicable supporting documents are included as attachments.

Name:	Signature:
Company Name:	Date Signed:
Phone Number:	
Email:	(affix professional seal)