

# Design Verification Report

## for BCBC Part 10 Requirement Verification

Last updated June 30, 2021

- Instructions:*
1. Effective July 1, 2018
  2. To be completed by the Coordinating Registered Professional
  3. To be submitted at time of Building Permit application, accompanied with Design Intent Letters

I, \_\_\_\_\_, am the Coordinating Registered Professional for the below-mentioned project and have coordinated the design to substantially comply with the requirements of Part 10 of the 2018 BC Building Code, based on pursuing the Energy Regulation indicated in Section A below.

Section A: Project Details			
Project Address			
Building Permit #			
Energy Standard	<input type="checkbox"/> NECB-2017 (Please complete Section B)		
	<input type="checkbox"/> ASHRAE 90.1-2019 (Please complete Section C)		
	<input type="checkbox"/> Energy Step Code (Please complete Section D)		
	<input type="checkbox"/> Other (Please specify & complete Section B, C, or D based on base regulation)		
	Specific Energy Regulation Pursued: _____		
Section B: NECB-2017			
<p>The following compliance pathways were utilized for each Part of NECB-2017 and the responsible Professionals for each Part are indicated and the Design Intent Letters are attached:</p>			
Part	Compliance Pathway <i>(please check)</i>	Name of Responsible Registered Professional of Record	Design Intent Letter Attached? <i>(please check)</i>
3 – Building Envelope	<input type="checkbox"/> Prescriptive <input type="checkbox"/> Prescriptive + Simple Trade-off <input type="checkbox"/> Prescriptive + Detailed Trade-off		<input type="checkbox"/>
4 – Lighting	<input type="checkbox"/> Prescriptive <input type="checkbox"/> Prescriptive + Trade-off		<input type="checkbox"/>
5 – HVAC	<input type="checkbox"/> Prescriptive <input type="checkbox"/> Trade-off		<input type="checkbox"/>
6 – Service Water Heating System	<input type="checkbox"/> Prescriptive <input type="checkbox"/> Trade-off		<input type="checkbox"/>
7 – Electrical Power Systems and Motors	<input type="checkbox"/> Prescriptive		<input type="checkbox"/>
8 – Building Energy Performance Compliance Path	<input type="checkbox"/> Building Energy Performance Compliance		Not Applicable

**Section C: ASHRAE 90.1-2019**

The following compliance pathways were utilized for each Section of ASHRAE 90.1-2019 and the responsible professionals for each Section are indicated and the Design Intent Letters are attached:

Section	Compliance Pathway <i>(please check)</i>	Name of Responsible Registered Professional of Record	Design Intent Letter Attached? <i>(please check)</i>
3 – Building Envelope	<input type="checkbox"/> Mandatory + Prescriptive <input type="checkbox"/> Mandatory + B.E. Trade-Off <input type="checkbox"/> Mandatory + ECB		<input type="checkbox"/>
6 – HVAC	<input type="checkbox"/> Simplified Approach <input type="checkbox"/> Mandatory + Prescriptive <input type="checkbox"/> Mandatory + ECB		<input type="checkbox"/>
7 – Service Water	<input type="checkbox"/> Mandatory + Prescriptive <input type="checkbox"/> Mandatory + ECB		<input type="checkbox"/>
8 – Power	<input type="checkbox"/> Mandatory		<input type="checkbox"/>
9 – Lighting	<input type="checkbox"/> Mandatory + Building Area Method <input type="checkbox"/> Mandatory + Space by Space Method <input type="checkbox"/> Mandatory + ECB		<input type="checkbox"/>
10 – Other Equipment	<input type="checkbox"/> Mandatory		<input type="checkbox"/>
11 – ECB Method	<input type="checkbox"/> Energy Cost Budget		Not Applicable

Section D: Energy Step Code					
Energy Step Pursued					
Low Carbon Energy System (as defined in Construction Bylaw 8271)		Yes <input type="checkbox"/> No <input type="checkbox"/>			
Modelled Greenhouse Gas Intensity		_____ kgCO <sub>2e</sub> /m <sup>2</sup> /year			
Energy Report Attached? (see below): <input type="checkbox"/>					
The following compliance pathways were utilized for the Energy Step Code and the responsible Professionals for each Part are indicated and the Design Intent Letters are attached:					
Compliance Pathway	Equipment and Systems – Maximum Total Energy Use Intensity (kWh/m <sup>2</sup> -year)	Building Envelope – Maximum Thermal Energy Demand Intensity (kWh/m <sup>2</sup> -year)	Name of Responsible Registered Professional of Record		Design Intent Letter Attached? (please check)
Table 10.2.3.3.A.					<input type="checkbox"/>
Table 10.2.3.3.B.					<input type="checkbox"/>
<b>Sentence 10.2.3.3.(3)</b> (Passive House)	Not Applicable	Not Applicable			<input type="checkbox"/>
Information					
Signature					
Name					
Date Signed					
Email		Phone		Cell	

(affix professional seal)