

# Design Verification Report

## for BCBC Part 10 Requirement Verification

Last updated October 30, 2023

- Instructions:**
1. Effective November 1, 2023
  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 – Revision 5 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 (Please complete Section B)
	<input type="checkbox"/> ASHRAE 90.1 (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

The following compliance pathways were utilized for each Part of NECB and the responsible Professionals for each are indicated and the Design Intent Letters are attached:

Part	Compliance Pathway (please check)	Name of Responsible Registered Professional of Record	Design Intent Letter Attached? (please check)
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		<input type="checkbox"/>

**Section C: ASHRAE 90.1**

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

<b>Section</b>	<b>Compliance Pathway (please check)</b>	<b>Name of Responsible Registered Professional of Record</b>	<b>Design Intent Letter Attached? (please check)</b>
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	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4
Zero Carbon Step Code (Emissions Level as per Construction Bylaw 8271 and BCBC 10.3)	<input type="checkbox"/> Yes (EL-3)	<input type="checkbox"/> Yes (EL-4)	<input type="checkbox"/> No
Energy Report Attached? (See below): <input type="checkbox"/> Yes			

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)
<b>Sentence 10.2.3.3 (1)</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					
Company Name & Address					
Email		Phone		Cell	

(affix professional seal)