

# DESIGN VERIFICATION REPORT

## For BCBC Part 10 Requirement Verification

- 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

**To: Manager of Permits & Inspections Department, District of West Vancouver**

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:
- NECB (Please complete Section B)
  - ASHRAE 90.1 (Please complete Section C)
  - Energy Step Code (Please complete Section D)
  - 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 Part 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)
<b>3 – Building Envelope</b>	<input type="checkbox"/> Prescriptive <input type="checkbox"/> Prescriptive + Simple Trade-off <input type="checkbox"/> Prescriptive + Detailed Trade-off		<input type="checkbox"/>
<b>4 – Lighting</b>	<input type="checkbox"/> Prescriptive <input type="checkbox"/> Prescriptive + Trade-off		<input type="checkbox"/>
<b>5 – HVAC</b>	<input type="checkbox"/> Prescriptive <input type="checkbox"/> Trade-off		<input type="checkbox"/>
<b>6 – Service Water Heating System</b>	<input type="checkbox"/> Prescriptive <input type="checkbox"/> Trade-off		<input type="checkbox"/>
<b>7 – Electrical Power Systems and Motors</b>	<input type="checkbox"/> Prescriptive		<input type="checkbox"/>
<b>8 – Building Energy Performance Compliance Path</b>	<input type="checkbox"/> Building Energy Performance Compliance		Not Applicable

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## 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:

Section	Compliance Pathway (please check)	Name of Responsible Registered Professional of Record	Design Intent Letter Attached? (please check)
<b>5 – Building Envelope</b>	<input type="checkbox"/> Mandatory + Prescriptive <input type="checkbox"/> Mandatory + B.E. Trade-Off <input type="checkbox"/> Mandatory + ECB		<input type="checkbox"/>
<b>6 – HVAC</b>	<input type="checkbox"/> Simplified Approach <input type="checkbox"/> Mandatory + Prescriptive <input type="checkbox"/> Mandatory + ECB		<input type="checkbox"/>
<b>7 – Service Water</b>	<input type="checkbox"/> Mandatory + Prescriptive <input type="checkbox"/> Mandatory + ECB		<input type="checkbox"/>
<b>8 – Power</b>	<input type="checkbox"/> Mandatory		<input type="checkbox"/>
<b>9 – Lighting</b>	<input type="checkbox"/> Mandatory + Building Area Method <input type="checkbox"/> Mandatory + Space by Space Method <input type="checkbox"/> Mandatory + ECB		<input type="checkbox"/>
<b>10 – Other Equipment</b>	<input type="checkbox"/> Mandatory		<input type="checkbox"/>
<b>11 – ECB Method</b>	<input type="checkbox"/> Energy Cost Budget		Not Applicable

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## Section D: Energy Step Code

Energy Step Pursued:  2  3  4      Zero Carbon Step Code:  Yes (EL-3)  Yes (EL-4)  No  
(defined in Part 4 of the Building Bylaw and BCBC 10.3)

Energy Report for Part 3 Buildings Attached? (see below):

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.(1)				<input type="checkbox"/>
Sentence 10.2.3.3.(3) (Passive House)	Not Applicable	Not Applicable		<input type="checkbox"/>

Signature: \_\_\_\_\_

Name: \_\_\_\_\_ (please print) (affix professional seal)

Date Signed: \_\_\_\_\_

Phone: \_\_\_\_\_ Email: \_\_\_\_\_

Company Name & Address: \_\_\_\_\_

\_\_\_\_\_

### Office Use Only:

DWV Energy Case #: \_\_\_\_\_