

Design Verification Report

For Buildings Complying with the BC Building Code (BCBC) Section 9.36 Verification

- Instructions:**
1. Effective May 1st, 2016.
 2. To be completed by the Applicant.
 3. To be submitted with Building Permit application, accompanied with supporting documentation.

Addressed to: Plan Review, Development Services, City of New Westminster

I, _____, am the Applicant for the below-mentioned project and have coordinated the design to substantially comply with the requirements of Section 9.36 of the 2012 BC Building Code, based on pursuing the Energy Regulation indicated in the Project Details below.

PROJECT DETAILS

Project Address: _____ Building Permit #: _____

- BCBC Compliance Pathway:** (Check One)
- 1. Prescriptive 9.36.2 to 9.36.4 (**COMPLETE SECTION A**)
 - 2. Prescriptive + Trade-offs: 9.36.2 to 9.36.4 (**COMPLETE SECTION A + B**)
 - 3. Performance 9.36.5 (**COMPLETE SECTION A + C**)

Are you looking to achieve a green home certification? If so, click all that apply:

- Energy Star® for New Homes
- Built Green
- LEED™ for Homes
- R-2000
- Passive House
- Other: _____

SECTION A: DRAWING SUBMISSION REQUIREMENTS

Please check all that apply:

- 9.36 Compliance**
(Pathways 1 – 3)
- Envelope section drawing(s) indicate the **Effective Thermal Resistance (RSI) of Assembly** for all Exterior Opaque Building Assemblies. Note each Assembly as either “**Meets Minimum Prescriptive Standard**” or “**Exceeds Minimum Prescriptive Standard**” or “**Does Not Meet Minimum Prescriptive Standard**” found in Tables 9.36.2.6.A./B. and Table 9.36.2.8.A/B.
 - Window section drawing(s) indicate the **Overall Thermal Transmittance (U-Value)** for all Fenestration, Doors and Skylights. Note each as either “**Meets Minimum Prescriptive Standard**” or “**Exceeds Minimum Prescriptive Standard**” or “**Does Not Meet Minimum Prescriptive Standard**” found in Tables 9.36.2.7.A./B./C.
 - Drawing(s) indicate the **Performance Rating** and **Energy Source** for all Space- heating, Space-cooling and Service Hot Water Systems. Prescriptive requirements are found in Tables 9.36.3.10. and Table 9.36.4.2.
- 9.36 Compliance**
(Pathway 3 only)
- Drawing(s) indicate the corresponding Areas (in m²) of each Wall, Window and Door Assembly type, the Solar Heat Gain Coefficient (SHGC) of each Window, and the Ratio of total Vertical Fenestration and Door Area to Gross Wall Area.

SECTION B: PRESCRIPTIVE + SIMPLE TRADE-OFF

9.36.2.11 Compliance 9.36 Trade-off completed and attached (example below)

ABOVE-GROUND WALLS AND JOIST TYPE ROOFS		REFERENCE VALUES			PROPOSED VALUES		
Assembly name	A (Area in m ²)	R _R (Effective RSI)	A + R _R	R _P (Effective RSI)	A + R _P		
1	Attic - R1	200	8.66	23.09	9.23	21.67	
2	Exterior Wall - W1	40	3.27	12.23	2.93	13.65	
3							
4							
DOES TRADE-OFF COMPLY?		Yes		TOTAL	35.33	TOTAL	35.32

OTHER ABOVE-GROUND OPAQUE ASSEMBLIES		REFERENCE VALUES			PROPOSED VALUES		
Assembly name	A (Area in m ²)	R _R (Effective RSI)	A + R _R	R _P (Effective RSI)	A + R _P		
1	Attic - R1	200	8.66	23.09	9.23	21.67	
2	Exterior Wall - W1	40	3.27	12.23	2.93	13.65	
3							
4							
DOES TRADE-OFF COMPLY?		Yes		TOTAL	35.33	TOTAL	35.32

PLEASE NOTE: An Excel copy of “Section 9.36 Trade-off Sheet” can be found [HERE](#).

SECTION C: PERFORMANCE MODELLING

9.36.5 Compliance House Performance Report Attached

SATISFACTION ACKNOWLEDGEMENT

The undersigned has produced and/or reviewed the House Performance Evaluation for the above-mentioned project, created based on the project’s design as provided by the Designer of Record. The undersigned has verified that the project complies with the Compliance Pathway, as detailed in Section 9.36 of the 2012 BC Building Code.

Signature: _____ Date: _____

Full Name (Print): _____

Email: _____ Phone: _____

Company Name: _____

Company Address: _____