Wagner Inspection Services
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ENERGY EFFICIENCY COMPLIANCE FORM

Section 9.36 of the National Building Code of Canada

Section C: Performance

This option is available only to houses with or without secondary suites, and buildings that contain only dwelling units with common spaces that are less than 20% of the building's total floor area.

The modelling summary reports for both the reference and proposed house generated from Hot2000 or the ANSI/ASHRAE 140 compliant software are required to be attached to this form to be considered complete and be accepted for review.

Input parameters		**Reference Model**	**Proposed Model**
Airtightness (air exchanges per hour @ 50 Pa)			
Heat Loss/Heat Gain			
HRV efficiency			
Thermal mass (MJ/m^{20}C)			
Ventilation rate (l/s)			
Fenestration and door to wall ratio (FDWR) – reference (%)			
Direction of front elevation (clearly circle one)		N NE E SE S SW W NW	N NE E SE S SW W NW
Area of windows and doors	Front elevation (m^2)		
	Rear elevation (m^2)		
	Left elevation (m^2)		
	Right elevation (m^2)		
	Total area of windows (m^2)		
	Total area of opaque doors (m^2)		
Energy use (GJ)			

Software Information			
Software title		**Version**	
Is software Hot2000 or ANSI/ASHRAE 140 compliant?	Yes / No		

Declaration			
Name		**Firm**	
Address		**Phone**	
Email		**Signature**	

I hereby certify that the calculations submitted were prepared in full accordance with the operation procedures of the software and:

- ☐ *Subsection 9.36.5 of the 2015 NBC*
- ☐ *Alternative Solution - Energuide Rating System v15 w/ variance greater than or equal to 5% above the Reference Model (attach supporting documents)*
- ☐ *Alternative Solution – Specify: _____ (attach supporting documents)*

***Competent person* is defined as a person who is familiar and fluent with building design under Section 9.36 of the NBC and acceptable to the Authority Having Jurisdiction.**

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Section B: Trade Off

All calculations must be attached to this form to be considered complete and be accepted for review. The location and extent of assemblies used in the calculation shall be clearly identified on the drawings by hatch or note.

☐ Opaque to opaque – One or more above-ground opaque building envelope assemblies are permitted to be less than required, provided one or more above-ground opaque building envelope assemblies are increased to more than required.

- Walls and joist type roofs must maintain minimum 55% of the required RSI_{eff}
- All other assemblies must maintain minimum 60% of the required RSI_{eff}
- The sum of the areas of all traded assemblies divided by their RSI_{eff} must be less than or equal to what it would have been if all assemblies had met 9.36.2.6

☐ Transparent to transparent – One or more windows are permitted to be less than required, provided one or more windows are increased to be more than required.

- The traded windows must have the same orientation.
- The sum of the areas of all traded windows divided by their RSI_{eff} must be less than or equal to what it would have been if all windows had met 9.36.2.7

☐ Opaque to transparent – This option is meant to allow reduced insulation for factory-constructed buildings with a low floor to ceiling height and a fenestration and door area to gross wall area ratio of 15% or less.