9.36 SUBMITTAL FORM

Building Permit No. (Office use only)

REQUIREMENTS FOR NBC 2023-AE DIVISION B SECTION 9.36 COMPLIANCE

Please consult the ***9.36 Project Summary User Guide*** for guidance in completing this form

Project Name:		**Project Address:**	
Applicant Name:		**Applicant Address:**	

Building Information

Information provided below sets the buildings geometry to establish compliance with NBC 2023-AE Division B Section 9.36

Climate Zone (HDD):		Building Area (m²):	
Check the appropriate box to indicate your chosen compliance path:	☐ Prescriptive	☐ Trade-off	☐ Performance

All Compliance Paths

- Identify on the plans any/all assemblies containing heating pipes, cables, or membranes
- Indicate if a Heat Recovery Ventilator is proposed; if yes, note the type and efficiency
- Indicate effective RSI values for all assemblies of the building envelope, both above and below ground (e.g. walls, floors, roofs, windows, and doors)
- Provide calculations used to determine the effective RSI values (hand calculations or from a software program)
- Indicate the air barrier system being proposed
- Indicate the type and equipment efficiency of the HVAC system components; include dampers on intakes and outlets where required
- Note the type and equipment efficiency of the Service Hot Water system components
- Note if Hot Water recirculation is proposed, and the thickness and extent of pipe insulation in the Service Hot Water system

Provide the following architectural details indicating continuity of insulation and air barrier:

- Attic hatch
- Eaves/top of wall
- Upper floor rim joist
- Top of basement wall/main floor junction
- Slab/footing junction
- Cantilever
- Bonus room floor over attached garage including ducts
- Typical outlet box detail
- Typical window/door jamb

And, if applicable:

- Party wall meeting outside wall
- Electric meter/vent pipe/duct in insulated wall
- Skylight shaft walls
- Slab edges in walkouts and heated slabs
- Masonry chimneys and fireplaces

Trade-off Compliance Path

In addition to the information required above, a trade-off calculation, completed in accordance with 9.36.2.11, must be submitted for any trade-off carried out for above ground assemblies.

The areas of assemblies used in the calculation shall be clearly identified on the drawings.

Performance Compliance Path (Residential Occupations)

Information provided below sets the parameters for the energy simulation used to demonstrate compliance with NBC 2023-AE Division B Section 9.36

Reference Model				Proposed Model				
Which direction does the front of the house face as modelled? Choose one:	☐ N	☐ NE	☐ E	☐ SE	☐ S	☐ SW	☐ W	☐ NW
Airtightness (ACH @ 50Pa)	☐ 2.5			Airtightness (ACH @ 50Pa)	☐ 3.2	☐ 2.5	☐ Other:	
Solar Heat Gain Coefficient Glazing (SHGC)	☐ 0.26			Solar Heat Gain Coefficient Glazing (SHGC):				
Thermal Mass (MJ/m² °C)	☐ 0.06			Thermal Mass (MJ/m² °C):				
Solar Absorbance	☐ 0.4			Solar Absorbance:				
FDWR (%)	☐ 17	☐ 22	☐ Other:	FDWR (%):				
Area of Fenestration North Elevation (m²):				Area of Fenestration North Elevation (m²):				
Area of Fenestration South Elevation (m²):				Area of Fenestration South Elevation (m²):				
Area of Fenestration East Elevation (m²):				Area of Fenestration East Elevation (m²):				
Area of Fenestration West Elevation (m²):				Area of Fenestration West Elevation (m²):				
HVAC System Efficiency (%):				HVAC System Efficiency (%):				
Space Cooling Equipment Efficiency (%):				Space Cooling Equipment Efficiency (%):				
Service Water Heater Efficiency (%):				Service Water Heater Efficiency (%):				
Ventilation Rate (L/s):				Ventilation Rate (L/s):				

NOTE: If the ACH rate entered above for the proposed house is less than 2.5 ACH, a blower door test will be required prior to occupancy. A note to this effect shall be placed on the drawings.

Performance Data Summary

Target Energy Use (Reference):		Calculated Energy Use (Proposed):	

Software

Software Title:		Version:	
Software Adaptations Made:			

NOTE: Please attach the full modelling report generated by an ANSI/ASHRAE 140 compliant software package to this form. Failure to submit the complete report will result in your application being placed on hold.

Declaration

Please indicate the person responsible for preparing the calculations used to show compliance with NBC 2023-AE Division B Section 9.36

Name:		Representing Firm:			
Email:		Address:		Phone:	
By signing this form, I hereby certify that the calculations submitted were prepared in full accordance with NBC 2023-AE Division B Section 9.36 and the operating procedures of the software. Nothing in this form or the attached calculations shall preclude the Safety Codes Officer reviewing this file from requesting an appropriate professional to stamp and sign the submission.					