9.36 Project Summary

Compliance Submission Report

Town of Cochrane Requirements for National Building Code 2023(AB Edition) Division B 9.36 Compliance Please read the 9.36 Project Summary User Guide for help in completing this form.		
Project Name:		Building permit file number (completed internally)
Project Address:		
Applicant:		
Applicant Address:		

Please indicate compliance path (select only one)

PRESCRIPTIVE (complete Part A) ☐	**TRADE-OFF** (complete Parts A and B) ☐	**PERFORMANCE** (complete Parts A and C) ☐	**PERFORMANCE w/ERS V15** (complete Parts A and C + ERS Docs) ☐

Part A: Basic Building Information (required for ALL compliance paths)

Climate Zone (HDD):		Building Area (m²):	
Primary heating equipment (type and fuel):		Efficiency of **primary** heating equipment (%):	
(If included) Secondary heating equipment (type and fuel):		Efficiency of secondary heating equipment (%):	
Heat Recovery Ventilator (HRV) included:	Yes ☐ No ☐	(If included) Efficiency of HRV equipment (%):	
Primary hot water equipment (type and fuel):		Efficiency of **primary** hot water equipment:	
(If included) Secondary hot water equipment (type and fuel):		Efficiency of secondary hot water equipment:	
(If included) Space cooling (type and capacity):		(If included) Efficiency of space cooling equipment:	
Hot water recirculation pump included:	Yes ☐ No ☐	Primary air barrier system:	

In addition to the above, the accompanying drawings must also include the following information:

☐ Identify location and extent of all wall and floor assemblies containing heating pipes or electrical heating cables and membranes.

Notes / location of system (optional):

☐ Indicate **effective** Rsi values for building envelope assemblies above and below ground (e.g. walls, floors, roofs, windows and doors).

Notes/location of information (optional):

☐ Provide the calculations used to determine these values. May be hand calculations or from a software program.

☐ **Provide the following architectural details in the project drawing set illustrating insulation and air barrier:**

Notes / location of details (optional):

- ☐ Attic hatch
- ☐ Eaves to top of wall transition
- ☐ Upper floor rim joist
- ☐ Top of basement wall/main floor rim joist
- ☐ Slab / footing junction
- ☐ Cantilever floors
- ☐ Bonus room / living space over attached garage (including ducts and insulation coverage of ducts)
- ☐ Typical electrical junction box detail
- ☐ Typical window / door jamb and sil detail
- ☐ **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.

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Part B: Trade-off Compliance Path

In addition to the information required in Part A, a trade-off calculation must be submitted to demonstrate compliance with 9.36.2.11. The location and extent of assemblies used in the calculation shall be clearly identified on the drawings by a hatch or dimensional note. The Town of Cochrane 9.36 Trade-off Calculator is recommended.

Part C: Performance Compliance Path (residential occupancies)

Information provided below sets input parameters for the energy simulation used to demonstrate compliance with NBC (2023) AB Edition Division B 9.36.5 performance compliance path.

Which direction does the front elevation of the house face as modelled (N, NE, E, SE, S, SW, W, NW):	

Reference Model		**Proposed Model**	
Airtightness (ACH @ 50Pa):	2.50	Airtightness (ACH @ 50Pa):	
Solar Heat Gain Co-efficient Glazing (SHGC):	0.26	Solar Heat Gain Co-efficient Glazing (SHGC):	
Solar absorbance:	0.40	Solar absorbance:	
Thermal mass (MJ/mĮÁC):	0.06	Thermal mass (MJ/m²°C):	
Ventiltation rate (l/s):		Ventiltation rate (l/s):	
FDWR - Reference (%) 17☐ 22☐ other:		FDWR - Proposed (%):	
Window & Door Area Summary - Reference Model		**Window & Door Area Summary - Proposed Model**	
Front elevation (m²):		Front elevation (m^2):	
Left elevation (m²):		Left elevation (m^2):	
Right elevation (m²):		Right elevation (m^2):	
Rear elevation (m²):		Rear elevation (m^2):	
Total area of windows (m2):		Total area of windows (m^2):	
Total area of opaque door sections (m2):		Total area of opaque door sections (m^2):	
Total area of windows and doors (m2):		Total area of windows and doors (m^2):	

NOTE: If the ACH rate entered above for the proposed model is less than **2.5ACH**, a blower door test will be required.

Performance Data Summary

Target Energy Use - Reference Model (in gigajoules)	Calculated Energy Use - Proposed Model (in gigajoules)

Software (only required for performance compliance path)

Software Title:	Version:
Software Adaptations Made:	

☐ Attach the full modelling report, generated by an ANSI/ASHRAE 140 compliant software package, to this form.

Declaration (only required for performance compliance path)

Please indicate the person responsible for preparing the calculations used to show compliance with NBC (2023) AB Edition Division B 9.36

Name:				
Representing Firm:				
Contact Information:	email:		tel:	
Address:				

I hereby certify that the calculations submitted were prepared in full accordance with Division B 9.36 of NBC (2023) AB Edition and the operating procedures of the software	Signature

NOTE: Nothing in this form, or the attached calculations, shall preclude the Safety Codes Officer from reviewing the file and requesting an appropriate professional to stamp and sign the submission.