



9.36 Project Summary

Compliance Submission Report

City of Calgary Requirements for National Building Code - Alberta Edition Division B 9.36 Compliance
Please consult the companion 9.36 Project Summary User Guide for help in completing this form

Project Name:		Building Permit Number (Completed Internally)
Project Address:		
Applicant:		
Applicant Address:		

Please Indicate Compliance Path (Select one only)

PRESCRIPTIVE (Complete Part A below)	TRADE-OFF (Complete Parts A & B below)	PERFORMANCE (Complete Parts A & C below)
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Part A - Basic Building Information (required for ALL compliance paths)

Climate Zone (HDD):		Building Area (m ²):	
Primary heating equipment (type and fuel):		Efficiency of Primary heating equipment (%)	
(if incl.) Secondary heating equipment (type and fuel):		Efficiency of Secondary heating equipment (%)	
Heat Recovery Ventilator included:	Yes No	(if included) Efficiency of HRV Equipment (%)	
Primary hot water equipment (type and fuel):		Efficiency of Primary hot water equipment:	
(if incl.) Secondary hot water eqpmt. (type and fuel):		Efficiency of Secondary hot water equipment:	
(if incl.) Space Cooling (type and capacity):		Efficiency of Space Cooling Equipment (as reqd.):	
Hot water recirculation pump included:	Yes No	Primary air barrier system:	

In addition to the above, the accompanying drawings shall include;

- ☐ Identify location and extent of all wall and floor assemblies containing heating pipes, or electrical heating cables/membranes.
Notes / location of system: (OPTIONAL)
- ☐ Indicate **effective** Rsi values for building envelope assemblies above and below ground e.g. walls, floors, roofs, windows & doors.
Notes / location of info. (OPTIONAL)
- ☐ Provide the calculations used to determine these values, these 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 sill detail
- ☐ **And if applicable,**
Party wall meeting outside wall, Electric meter/vent pipe/duct in insulated wall, Skylight shaft walls, Slab edges in walkouts & Heated slabs, Masonry Chimneys and Fireplaces.

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 City of Calgary **9.36 Trade-Off Calculator Form** is recommended. It may be found at: www.calgary.ca/936

The location and extent of assemblies used in the calculation shall be clearly identified on the drawings via hatch or dimensional note.

Part C - Performance Compliance Path (residential occupancies)

Information provided below sets input parameters used in the energy simulation used to demonstrate compliance with the NBC 2019 (AE) 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):	2.5	Airtightness (ACH@50Pa):	
Solar heat Gain Co-efficient - Glazing (SHGC):	0.26	Solar heat Gain Co-efficient - Glazing (SHGC):	
Solar Absorptance:	0.4	Solar Absorptance:	
Thermal mass (MJ/m ² °C):	0.06	Thermal mass (MJ/m ² °C):	
Ventilation Rate (l/s):		Ventilation Rate (l/s):	
FDWR - Reference(%)	17 22 other:	FDWR - Proposed (%)	
Window and Door Area Summary - Reference		Window and Door Area Summary - Proposed	
Front Elevation (m ²):		Front Elevation (m ²):	
Left Elevation (m ²):		Left Elevation (m ²):	
Right Elevation (m ²):		Right Elevation (m ²):	
Rear Elevation (m ²):		Rear Elevation (m ²):	
Total Area of Windows (m ²):		Total Area of Windows (m ²):	
Total Area of Opaque Door Sections (m ²):		Total Area of Opaque Door Sections (m ²):	
Total Area of Windows and Doors - Reference:		Total Area of Windows and Doors - Proposed:	

Note: If the ACH rate entered above for the Proposed House above is less than **2.5 ACH** a blower door test will be required

Performance Data Summary

Target Energy Use - (reference) in GJ	Calculated Energy Use (proposed) in GJ

Software

Software Title:	Version:
Software Adaptations Made:	

Declaration - only applicable to Performance Compliance path

Please indicate the person responsible for preparing the calculations used to show compliance with NBC 2019 (AE) Division B 9.36.5

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

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 delays in your application.

I hereby certify that the calculations submitted were prepared in full accordance with Subsection 9.36.5 of NBC 2019 (AE) and the operating procedures of the software

Signature

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