



**9.36 Project Summary
Performance Compliance Calculation Report**

Requirements for Alberta Building Code 2014 Division B Section 9.36 Compliance					
Project Address:			Building Permit Number (internal use)		
Applicant Name:					
Applicant Address:					
Building Information (Geometry to establish compliance with ABC 2014 Division B Section 9.3)					
Climate Zone (HDD):		Building Area (m ²):			
Please check the appropriate box to indicate your chosen compliance path: (select only one)					
PRESCRIPTIVE	<input type="checkbox"/>	TRADE-OFF	<input type="checkbox"/>	PERFORMANCE	<input type="checkbox"/>
DECLARATION					
Please indicate the person responsible for preparing the calculations used to show compliance with ABC 2014 Division B Section 9.36					
Name:					
Representing Firm:					
Contact Information:	Email:		Phone:		
Address:					
I hereby certify that the calculations submitted were prepared in full accordance with Alberta Building Code 2014 Division B Section 9.36 and the operating procedures of the software	SIGNATURE				
DECLARATION: The applicant certifies that this installation will be completed in accordance with the Alberta Safety Codes Act and Regulations and work will commence within 90 days. This form constitutes part of the permit. The personal information provided as part of this application is collected under the Safety Codes Act and the Municipal Government Act and in accordance with the Freedom of Information and Protection of Privacy Act. The information is required and will be used for issuing permits, safety codes compliance verification and monitoring and property assessment purposes. Collected personal information is protected from unauthorized access, collection, use, and disclosure in accordance with the <i>FOIP Act</i> , and can be reviewed and corrected upon request. Questions regarding the collection of personal information can be directed to: FOIP					
Nothing in this form, or the attached calculations, shall preclude the Safety Codes Officer reviewing this file to request an appropriate profession to stamp and sign the submission.					

The following is required to be submitted, based on the chosen compliance path (continues on reverse):

ALL COMPLIANCE PATHS:

- Identify on the plans any/all assemblies containing heating pipes, cables, or membranes.
- Indicate if a Heat Recovery Ventilator is proposed and, if it is proposed, note the type and efficiency.
- Indicate **effective** Rsi or R values for all assemblies of the building envelope, both above and below ground (e.g. walls, floors, roofs, windows and doors).
- Provide the calculations used to determine the Rsi or R 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, and 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 & 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 – FOR RESIDENTIAL OCCUPANCIES

Provide the information below to set out the input parameters for the energy simulation that is to be used to demonstrate compliance with Alberta Building Code 2014 Division B Section 9036 via the performance compliance

Direction the house faces as modeled:		N	NE	E	SE	S	SW	W	NW
	Reference Model:	Proposed Model:							
Airtightness (ACH @ 50PA):	2.5	2.5	3.2	Other:					
Solar Heat Gain Co-efficient Glazing (SHGC):	.26								
Thermal Mass (MJ/m ² °C)	0.06								
Solar Absorbance	0.4								
FDWR (%)	17	22	Other:						
Area of Fenestration North Elevation (m ²):									
Area of Fenestration South Elevation (m ²):									
Area of Fenestration East Elevation (m ²):									
Area of Fenestration West Elevation (m ²):									
HVAC System Efficiency (%):									
HVAC System Efficiency (%):									
Space Cooling Equipment Efficiency (%):									
Service Water Heater Efficiency (%):									
Service Water Heater Efficiency (%):									
Ventilation Rate (l/s):									

Note if the ACH rate entered above for the proposed house is less than 2.5ACH 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 Used (Title):	Version:
Software Adaptations Made:	
<ul style="list-style-type: none"> Please attach the full modeling report generated by an ANSI/ASHRAE 140 compliant software package to this form. Failure to submit the complete report will result in your application not being processed. 	