9.36 Project Summary Compliance Submission Report

PL 1275 (2018-02)

The City of Calgary Requirements for ABC 2104 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 Name		
Applicant Address		

Indicate Compliance Path (Select one only)			
☐ Prescriptive (Complete Part A)	☐ Trade-Off (Complete Parts A & B)	☐ Performance (Complete Parts A & C)	☐ Performance w/ERS v.15 Complete Parts A & 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 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 Cooking (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 ABC2104 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)		Airtightness (ACH@50Pa)	
Solar heat Gain Co-efficient – Glazing (SHGC)		Solar heat Gain Co-efficient – Glazing (SHGC)	
Solar Absorbance		Solar Absorbance	
Thermal mass (MJ/m^{2O}C)		Thermal mass (MJ/m^{2O}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

Indicate the person responsible for preparing the calculations used to show compliance with ABC2014 Division B 9.36.5

Name		Representing Firm	
Email		Phone Number	
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 rejection of your application.

I hereby certify that the calculations submitted were prepared in full accordance with Subsection 9.36.5 of ABC2104 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 from requesting an appropriate professional to stamp and sign the submission.