ROCKY VIEW COUNTY
Cultivating Communities

9.36 Project Summary Compliance Submission Report

Rocky View County Requirements for the current NBC – Alberta Edition Division B 9.36 Compliance

Project Name	
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, or electrical heating cables/membranes.
  Notes/location of system:
- Indicate effective Rsi values for building envelope assemblies above and below ground e.g., walls, floors, roofs, windows & doors.
  Notes/location of info.:

Proposed Construction Assemblies (including proposed R-values)			
Ceiling (attic space above)		Ceiling (cathedral/ Flat)	
Exterior Wall:		Tall Wall:	
Kitchen Wall:		Other:	
Garage to house		Stairs at frost	
Floor headers		Frost wall	
Floor above garage:		Cantilevers	
In Floor Radiant	☐ Yes ☐ No ☐ Rough-in Only	Under Slab	

Windows/ Doors: U-values / ER value through prescriptive or trade-off path can either be displayed on elevation drawings or can be provided through suppliers documents

- 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:

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

Rocky View County 9.36 Trade-Off Calculator Form is recommended. It may be found at

https://www.rockyview.ca/building-forms-documents

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 current NBC - 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)		Airtightness (ACH@50Pa)	
Solar heat Gain Co-efficient — Glazing (SHGC)		Solar heat Gain Co-efficient — Glazing (SHGC)	
Solar Absorbance		Solar Absorbance	
Thermal mass (MJ/m²°C)		Thermal mass (MJ/m²°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 (m²)		Front Elevation (m²)	
Left Elevation (m²)		Left Elevation (m²)	
Right Elevation (m²)		Right Elevation (m²)	
Rear Elevation (m²)		Rear Elevation (m²)	
Total Area of Windows (m²)		Total Area of Windows (m²)	
Total Area of Opaque Door Sections (m²)		Total Area of Opaque Door Sections (m²)	
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 the current NBC - AE 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 the current NBC - AE 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.