

## 10-491 WT Hill Blvd S Lethbridge, AB T1J 1Y6 Ph: 1.800.621.5440 | 403.329.3747 Fax: 1.866.406.8484 | 403.329.8514 www.parkinspections.com | contact@parkinspections.com

## 9.36. Project Summary

Compliance Submission Report

	Requirements for ABC 2104 Division B 9.36. Compliance									
Project Name:										
Project Address:										
Applicant:			Building Permit Number (Completed Internally)							
Applicant Address:										
	Please	Indicate C	Complianc	e Path (Select one only)						
		RADE-O	_	PERFORMANCE COMPLIA ) (Complete Parts A & C below or App	_					
	Part A - Basic Bui	ilding Info	rmation (r	equired for ALL compliance paths)						
Climate Zone :	4/5/6/7	A/7B/8	Building Area (m²):							
Heating equipmer	nt type and fuel:			Efficiency of heating equipment (%)						
Heat-Recovery Ve	entilator included:	🗌 Yes	No	(if included) Efficiency of HRV equipment (%)						
Domestic hot wate			Efficiency of domestic hot water equipment:							
Hot water recircula	ation pump included:	🗌 Yes	No	Primary air barrier system:	□ poly □ other					
In addition to	the above, the accompanying	g drawings	shall inclu	ude:						
Identify location and extent of all wall and floor assemblies containing heating pipes, or electrical heating cables/membranes.										
Indicate effective RSI values for all building envelope opaque assemblies above and below ground, e.g. walls, floors, roofs, windows and doors.										
	de the calculations used to determi	ne these val	ues; these n	nay be hand calculations or from a software program	l <b>.</b>					
Provid	de the following architectural details	s in the proje	ect drawings	indicating continuity of insulation and air barrier:						
	Attic hatch									
	Eaves/top of wall transition									
	Upper floor rim joist									
	Top of basement wall/main floor rim j	oist								
	Slab/footing junction									
	Cantilevered floors									
	Bonus room over attached garage (including ducts and insulation coverage of ducts)									
	Typical electrical junction box detail									
	Typical window/door jamb and sill detail									
	<ul> <li>And if applicable,</li> <li>Party wall meeting outside wall, Electric meter/vent pipe/duct in insulated wall, Skylight shaft walls, Slab edges in walkouts &amp; Heated slabs, Masonry Chimneys and Fireplaces.</li> </ul>									
		Part B - T	rade-Off (	Compliance Path						
الالمام مرما					b 0 26 2 11					
in additio				on must be submitted to demonstrate compliance wit or Form is recommended.	11 9.30.2.11					
The location				e clearly identified on the drawings via hatch or dime	nsional note.					

Part C - F	Performance Com	pliance Path (res	idential occupancies)						
Information provided below sets input parameter 9.36.5. Performance Compliance path.	s used in the energy s	imulation used to de	monstrate compliance	e with the ABC 2	014 Division B				
Which direction does the front of the house face as modelled (N, NE, E, SE, S, SW, W, NW):									
Note 1: For purposes of modeling, information	ation for secondary hea	ating and service hot	water efficiencies onl	y apply in the ev	ent that the				
	proposed building ha	s included these sys	stems						
Note 2: Location, quantity, and orienta	tion of fenestration mu	st match the propose	ed drawing informatio	n of submitted d	rawings				
Reference Model Proposed Model									
Airtightness (ACH@50Pa):	2.5	Airtightness (ACH@50Pa) 3.2 / 2.5 / other:							
Solar Heat Gain Coefficient - Glazing (SHGC):	0.26	Solar Heat Gair	Solar Heat Gain Coefficient - Glazing (SHGC):						
Solar Absorbance:	0.4	Solar Absorbance:							
Thermal mass (MJ/m²°C):	0.06	Thermal mass	(MJ/m²°C):						
Ventilation Rate (I/s):		Ventilation Rate	e (I/s):						
Secondary HVAC System Efficiency:		Secondary HV	AC System Efficiency:						
Secondary Service Water Heater Efficiency:		Secondary Ser	vice Water Heater Efficiency:						
Space Cooling Equipment Efficiency:		Space Cooling	Equipment Efficiency	:					
FDWR - Reference(%) 17 / 22 / other:		FDWR - Propos	sed (%):						
Window and Door Area Summary - Reference	9	Window and	Door Area Summar	/ - Proposed					
North Elevation (m <sup>2</sup> ):		North Elevation	ı (m²):						
South Elevation (m <sup>2</sup> ):		South Elevatior	h Elevation (m <sup>2</sup> ):						
East Elevation (m <sup>2</sup> ):		East Elevation	evation (m <sup>2</sup> ):						
West Elevation (m²):		West Elevation	st Elevation (m <sup>2</sup> ):						
Total Area of windows and doors - Reference:		Total Area of windows and doors - Proposed:							
Note: If the ACH rate entered above f	or the Proposed House	e above is less than 2	2.5 ACH a blower doo	or test will be req	uired				
		e Data Summar							
Target Energy Use (referer	Target Energy Use (reference) Calculated Energy Use (proposed)								
	S	oftware							
Software Title:	00	Jitware	Versi	<u>חר</u>					
Software Adaptations Made:			Versit	511.					
	- only applicable	to Performance	Compliance pat	ſ					
Please indicate the person respo					6.5.				
Name:									
Representing Firm:									
Contact Information: ema	ail:		tel:						
Address:			I I						
Please attach the full modelling report	generated by an ANSI	ASHRAE 140 comp	bliant software packag	e to this form:					
I hereby certify that the calculations submitted Subsection 9.36.5. of ABC 2014 and the o	· ·			Signature					
Nothing in this form or the stand	had calculations aka	I proclude the Set	ty Codes Officer re-	iowing this file	form				
Nothing in this form or the attack requesting an	appropriate professi	-	•	•					



## 9.36: Trade-off Calculator

9.36.2.11 Worksheet (2016/06)

Alberta Building Code 2014 Article 9.36.2.11 Worksheet for Building Envelope Trade-Off													
Project Name:													
Project Address:								Building Permit Number (Completed Internally)					
Applicant Name:									Building Permit Nu	imber (Completed	internally)		
Applicant Address:													
	Tra	de-c	off Ca	alcul	latio	ns fo	or Above-g	round Bui	ilding Envelop	e Assemblies			
		)paqu ortior			Fenestration Portions				Minimum				
Description or Identification of Building Envelope Assembly	Wall	Roof	Floor	Fenestration	Door	Skylight	Area of Assembly in Reference Building: A <sub>ir</sub> , (m <sup>2</sup> )	Area of Assembly in Proposed Building: A <sub>ip</sub> , (m <sup>2</sup> )	Allowable Thermal Resistance of Assembly in Reference Building (prescriptive values): R <sub>ir</sub> (m <sup>2</sup> •K)/W	Thermal Resistance of Assembly in Proposed Building: R <sub>ip</sub> (m <sup>2</sup> •K)/W	A <sub>ir</sub> / R <sub>ir</sub> (W/K)	A <sub>ip</sub> / R <sub>ip</sub> (W/K)	
Fenestration Trade offs are limited to fenestration on the same elevation. Please indicate which elevation contains the fenestration being calculated													
											0	0	
											0	0	
											0	0	
											0	0	
											0	0	
											0	0	
											0	0	
											0	0	
											0	0	
TOTALS:							0	0			0	0	
Is building envelope compliant with simple trade-off path? ( $A_{ip} / R_{ip} \leq \text{total } A_{ir} / R_{ir}$ and $A_{ip} = A_{ir}$ )													
Yes													
The areas used in the above calculation shall be clearly indicated on the accompanying drawings.													