

9.36 Project Summary Performance Compliance Calculation Report

Ple	City of Red Deer Requirent ease consult the companion 9.36									
Project Name:										
Project Address:										
Applicant:		Building Permit Number (completed internally)								
Applicant Address:										
Basic Building Information										
Information provided below sets the buildings geometry to establish compliance with the ABC Division B Section 9.36										
(Building Area (m²):								
Please check the appropriate box to indicate your chosen compliance path										
	(s	elect only one)								
PRESCRIPT	IVE	TRADE-OFF		PERFORMANCE						
SUBMIT THE FOLLOWING INFORMATION WITH YOUR APPLICATION BASED ON THE COMPLIANCE PATH CHOSEN										
		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 values for all assemblies of the building envelope, both above and below ground (e.g. walls, floors, roofs,										
windows and doors).										
· Provide the calculation	s used to determine the Rsi values (hand calculations o	r from a softw	vare program).						
· Indicate the air barrier										
		•	-	ers on intakes and outlets where required.						
	pment efficiency of the Service Hot	-								
· 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, 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.										

Information provided below via the performance complia	sets the input para	erformance Co	•				nce with	ABC Division B Section	on 9.36	
Refere	Proposed Model									
Whi	ch direction does t	he front of the ho	ouse face as	modelled (N. I						
Airtightness (ACH @ 50Pa)		2.5	1	(ACH @ 50Pa		2.5	other:			
Solar Heat Gain Co-efficient Glazing (SHGC) 0.26			_	Heat Gain Co	-					
Thermal Mass (MJ/m²°C) 0.06										
Solar Absorbance		0.4			J/m²°C): orbance:					
FDWR (%) 17 22 other:			FDWR (%)							
Area of Fenestration North	on North Elevation (m²):			Area of Fenes						
Area of Fenestration South	Elevation (m²):		Area of Fenestration South Elevation (m²):							
Area of Fenestration East	Elevation (m²):		Area of Fenestration East Elevation (m²)							
Area of Fenestration West	Elevation (m²):			Area of Fenes	ion (m²):					
HVAC System Efficiency (%):			HVAC System Efficiency (%)							
HVAC System Efficiency (%):			HVAC System Efficiency (%)							
Space Cooling Equipment Efficiency (%):			Space Cooling Equipment Efficiency (%)				ncy (%):			
Service Water Heater Efficiency (%):				Service V	ncy (%):					
Service Water Heater	Efficiency (%):		Service Water Heater Efficiency (%):							
Ventila	ation Rate (I/s):		Ventilation Rate (l/s):							
NOTE: If the ACH rate entered this effect shall be placed on the state of the state		pposed house is	less than 2.5	ACH a blower	door test	will be re	quired pr	or to occupancy. A no	ote to	
		Perfo	ormance Dat	a Summary						
Target En		Calculated Energy Use (proposed)								
			Softwa	re						
Software Title: Version:										
Software Adaptations Made:				<u> </u>						
Please attach the full modellin report will result in your applic			HRAE 140 co	ompliant softw	are packa	ge to this	form. Fa	ilure to submit the co	mplete	
			Declarat	ion						
Please indicate the pe	rson responsible fo	or preparing the	calculations ι	sed to show o	compliance	e with AB	C Divisio	n B Section 9.36		
Name:										
Representing Firm:										
Contact Information: e	mail:			tel:						
Address:				I I						
I hereby certify that the c accordance with ABC I proc	Signature									
Nothing in this form, or the attached calculations, shall preclude the Safety Codes Officer reviewing this file and requesting an appropriate professional to stamp and sign the submission.										