

ALBERTA BUILDING CODE 9.36 PERFORMANCE COMPLIANCE SUMMARY

Edmonton

Sample

Project Address: 12345 Main Street		Zone 7	HDD:	5120	
Builder: ABC Homes		Job Number:	4644		
BUILDING TYPE: Single Home		DESIGN TYPE:	Two Storey		
Building total area all floors including basement (m ²)= 347.1		Orientation:	N		
		REFERENCE	PROPOSED		
Thermal mass (MJ/m ² oC)		0.06	0.06		
Solar Absorptance		0.4	0.4		
Airtightness		2.5 ACH@50Pa	3.2 ACH@50Pa	3.2ACH~9.25.3 -or- 2.5ACH~9.36.2.10	
Submit Blower Door Test Report?		N/A	None	Required if <2.5ACH; Voluntary if 2.5 ACH	
		REFERENCE	PROPOSED ETR	PROPOSED ASSEMBLY incl. insulation R-value	
ROOF		10.43	7.53-8.89	2x4 Truss 24" OC R50 Blown Insulation	
Ceiling below attic		5.02	N/A	N/A	
Vault/flat roof		3.08	3.00-3.03	2x6 16"OC R24 Batt	
ABOVE-GROUND WALLS		3.08	2.42-2.98	2x6 12"OC R24 Batt	
Exterior walls		3.08	3.19	2x6 16"OC R24 Batt	
Tall walls		3.08	N/A	N/A	
House to garage		3.08	N/A	N/A	
Other: Kitchen Wall		3.08	N/A	N/A	
Other:		3.08	N/A	N/A	
Other:		3.08	N/A	N/A	
RIM JOISTS All levels		3.08	N/A	N/A	
Parallel (pony wall)		3.08	5.08-5.25	R28 Spray (Main), R28 Batt (Second)	
Perpendicular		5.02	6.91	12" Joist R28 Spray foam + 2" Rigid	
ABOVE-GROUND FLOOR		5.02	5.2	12" Joist R28 Batt	
Cantilever/over exterior		3.46	3.16	2x4 24"OC R20 Batt	
Over garage		3.46	N/A	N/A	
BELOW-GRADE WALLS		3.72	N/A	N/A	
Basement frostwall		1.96	N/A	N/A	
Basement walkout wall		2.84	N/A	N/A	
SLAB on GRADE					
Under, at edge & skirt					
BASEMENT FLOOR					
Walkout-unheated floor					
FLOOR					
Heated, in ground-contact					
FDWR: see 9.36.5.14.(10)		17%	14.46%		
WINDOWS/DOORS (U-value: W/ (m² * K))		U-value	U-value		
Picture		1.6	1.19	Or Better	
Casement			1.19	Or Better	
Slider			N/A	N/A	
Patio slider			1.59	Or Better	
Doors			0.85-1.25		
Awning/hopper			N/A	N/A	
Other			1.7	Basement Windows (Or Better)	
Solar Heat Gain Coefficient		0.26	0.09-0.55		
Heat Recovery Ventilator proposed ?		None	Yes		
HRV Efficiency		N/A	60%-60%	At 0 and - 25 Deg C	
Space Heating Equipment Efficiency		92%	92%	AFUE Natural Gas Furnace	
Space Heating Equipment Efficiency		N/A	N/A	N/A	
Ventilation Rate		27	27	L/S	
Space Cooling Equipment Efficiency		N/A	N/A	N/A	
Service Water Heater Efficiency		0.67	0.67	50 Gallon Natural Gas PDV	
Service Water Heater Efficiency		N/A	N/A	N/A	
Service Water recirculation pump included?		N/A	N/A	N/A	
House energy target v annual energy consumption (GJ):		142.1	128.9	9.29%	
Software Name/Version/Adaptations or workarounds:					
DECLARATION by person responsible for preparing the calculations used to demonstrate compliance with ABC2014 Division B Section 9.36. Submit complete (proposed and reference) modelling report generated by ANSI/ASHRAE 140-compliant software to this Summary					
Energy Advisor Firm:	Energy Model Group Ltd				
Address:	12345 Street NW, Edmonton AB				
Contact Email and Tel:	John Doe 780-111-1111				
Type Name to Sign:	John Doe			Date:	2017-10-05