



# City of Revelstoke

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revelstoke.ca

## REVELSTOKE – ZONE 6 Required Insulation Values – 2012 BC Building Code- Dec 19, 2014

ASSEMBLY:	NO HRV: RSI(R)	WITH HRV: RSI(R)	TYPICAL COMPLIANT ASSEMBLY (NO HRV):
Above Grade Wall	3.08 (17.5)	2.97 (16.9)	<b>A</b> Hardie Plank, Bldg Paper, 3/8" OSB, 2x6 @ 24" o/c, R22 Batt, 6 mil poly, 1/2" GWB RSI <sub>eff</sub> 3.13 Ref 17.78 (*NOTE*: studs at 16" o/c would require an R24 Batt)
Rim Joist at Above Grade Wall	3.08 (17.5)	2.97 (16.9)	<b>B</b> Hardie Plank, Bldg Paper, 3/8" OSB, 2x10 Rim Board, 2x10 Joists @ 16" o/c, R20 Batt, 6 mil poly RSI <sub>eff</sub> 3.24 Ref 18.39 (*NOTE*: 1 joists and engineered rim board also acceptable)
Above Grade Wall at Unheated Enclosure	2.92 (16.6)	2.81 (16.0)	<b>C</b> 1/2" GWB, 2x6 @ 24" o/c, R22 Batt, 6 mil poly, 1/2" GWB RSI <sub>eff</sub> 3.08 Ref 17.49
Below Grade Wall	2.98 (16.9)	2.98 (16.9)	<b>D</b> Dampproofing, 8" Concrete, Dampproofing, 2x6 @ 24" o/c, R22 Batt, 6 mil poly (*Note*: Insulation extends from ceiling to floor) RSI <sub>eff</sub> 3.25 Ref 18.45
Ceiling (Attic)	8.67 (49.2)	6.91 (39.2)	<b>E</b> 1/2" CD board, 6 mil poly, Eng Truss @ 24" o/c, R50 Blown Insulation, vented airspace RSI <sub>eff</sub> 8.81 Ref 50.00 (*NOTE*: R50 loose FG = 18.5")
Ceiling (Cathedral / Flat)	4.67 (26.5)	4.67 (26.5)	<b>F</b> 1/2" CD Board, 6 mil poly, 2x10 @ 16" o/c, R32 Batt, vented airspace RSI <sub>eff</sub> 4.83 Ref 27.42
Floors Over Unheated Space	4.67 (26.5)	4.67 (26.5)	<b>G</b> 5/8" Plywood, 2x10 @ 16" o/c, R32 Batt, 1/2" GWB RSI <sub>eff</sub> 5.06 Ref 28.73
Unheated Floor Above Frost Line	1.96 (11.1)	1.96 (11.1)	<b>H</b> 4" Concrete, R12 Styrofoam & R6 thermal break (R12 vertical to top of footing or horizontal for first 4 ft)
Heated Floor	2.32 (13.2)	2.32 (13.2)	<b>I</b> 4" Concrete, R15 Styrofoam (horizontal under entire heated slab & vertical at slab perimeter)

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