

## **Ceiling Below Attic Assembly**

Assembly # MA-02

Description: Flat ceiling with 38x140 (2x6) ceiling joist spaced at 406mm (16") o/c with 368mm (14.5") blown cellulose. Ceiling finished with 12.7mm (1/2") gypsum board.

Layer	Assembly Components (layer listed from exterior to interior)	RSI Value	R Value
1	Outside Air Film	0.03	0.170348
2	38x140(2x6) joist @ 406mm (16") o/c with 368mm(14.5") blown cellulose*	8.49474	48.23537
3	19mm (3/4") Strapping	0.15	0.851739
4	6 mil. Polyethylene	N/A	N/A
5	12.7mm (1/2") gypsum board	0.07747	0.439895
6	Inside Air Film	0.11	0.624609
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Total 8.86 50.3

Note:

The thermal resistance values of each continuous layer incorporated in the assembly are from A-9.36.2.4.(1)D.

% Area of Framing 13% Value of the area of framing member obtained from Table A-9.36.2.4.(1)A

% Area of Cavity 87% Values of the area of cavity obtained from Table A-9.36.2.4.(1)A RSI Framing 1.19

RSI Cavity 3.5
RSI Parrallel \* 8.49474

Note: The above values and references are from the 2010 National Building Code of Canada. This document is intended to be used for reference purposes. The assembly components shall be detailed in a cross section on the submitted plans.

RSI <sub>eff</sub> =	8.86 (m²·K)/W	R <sub>eff</sub> =	50.3	(h·ft².ºF)/Btu
eff = effe	ective thermal resistance			