

Three (and a half) case studies

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Cambridge #1:

Basement & attic with cathedral ceiling;
open-cell and closed-cell foam

























Cambridge 1 blower door results: attic and basement

Pre-project	Post-project	Reduction
7990 cfm	4205 cfm	3785 cfm

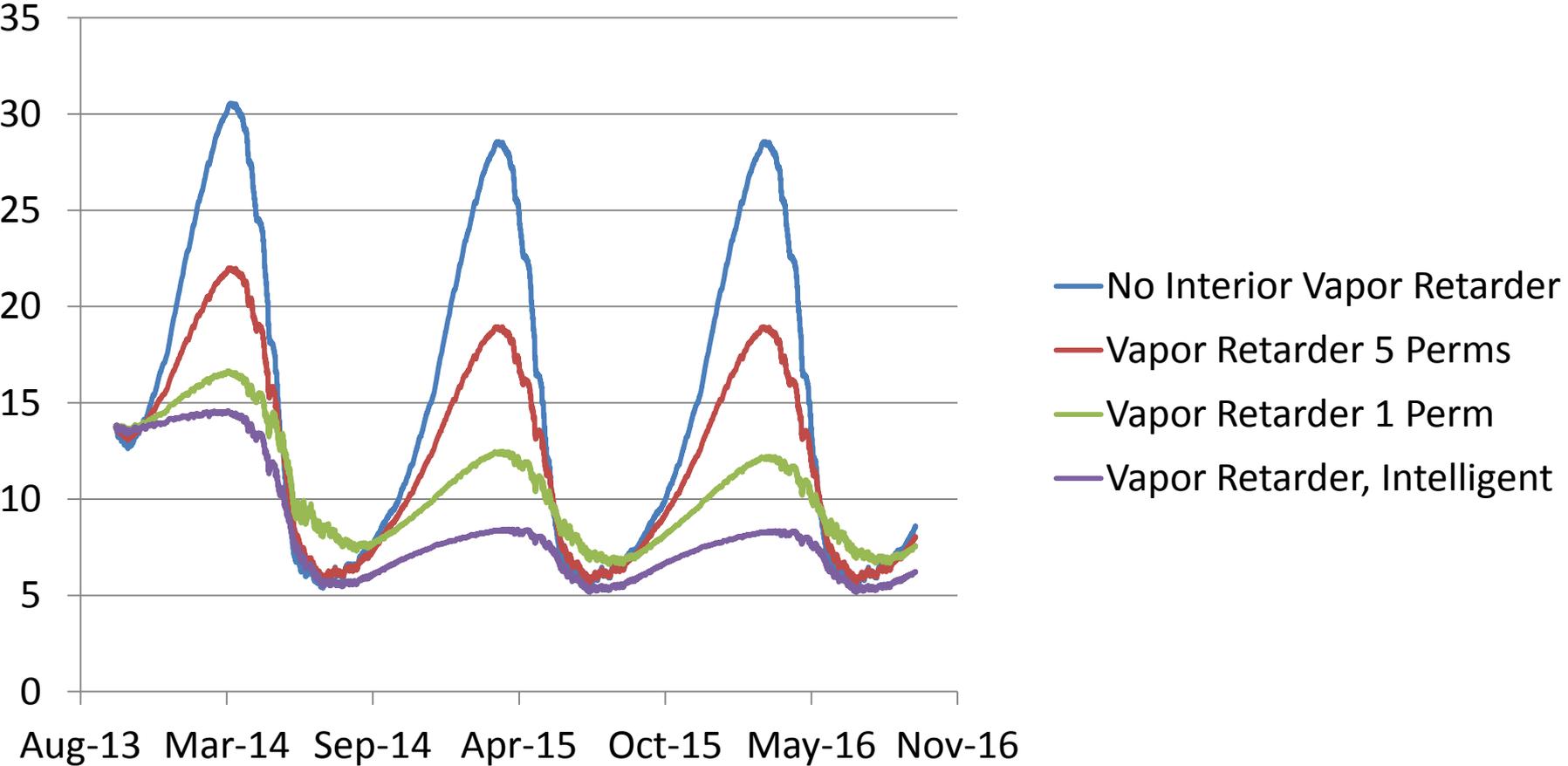
Newton project

Roof sheathing moisture content



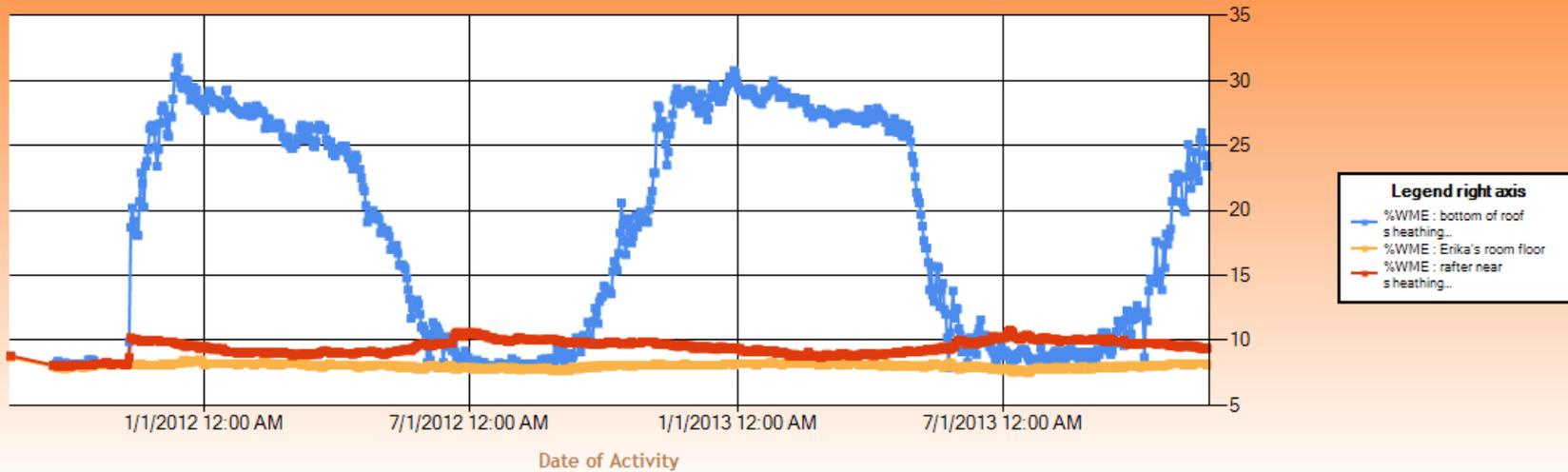


Roof sheathing moisture content, WUFI model: Newton project



Roof sheathing moisture content, actual: Newton project

Average Sensor Values per Day as of 8/22/2011



	%WME : bottom of roof sheathing above a.c. handler	%WME : Erika's room floor	%WME : rafter near sheathing sensor
min	7.9	7.5	8
max	31.8	8.7	10.8

Moral:
Open-cell foam in a roof
needs a vapor barrier

Cambridge #2:
Attic with slate roof;
cellulose and Froth-Pak





















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20

19

18



Cambridge 2 blower door results: attic only

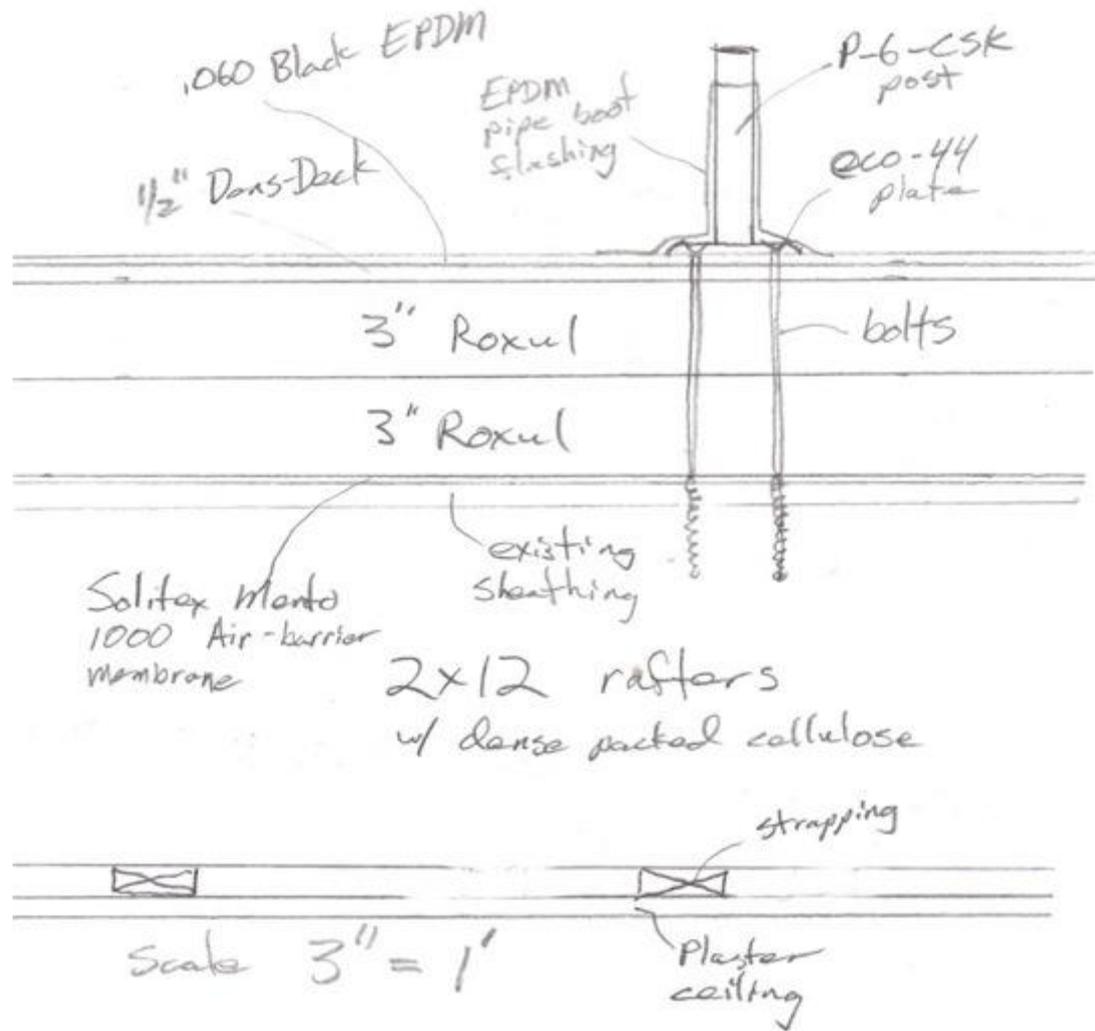
Pre-project	Post-project	Reduction
7272 cfm	4050 cfm	3222 cfm

Sudbury:
Flat roof;
foam-free





Goldthwaite Roof Section
141 Goodman's Hill Rd, Sudbury































Sudbury blower door results: roof only

Pre-project	Post-project	Reduction
3235 cfm	1658 cfm	1577 cfm