



**LESSONS FROM THE PAST –
ROADMAP FOR THE FUTURE**

2013 BCBEC CONFERENCE & AGM

Past, Present & Future

Murray Frank
Constructive Home Solutions

BCBEC

Brought to you in the
fall of 1988 by:

Anton's Pasta & RCABC

(and about a dozen or
so industry types)



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**National Research
Council Canada**

**Conseil national
de recherches Canada**

Institute for
Research in
Construction

Institut de
recherche en
construction

How Tight is Tight Enough?

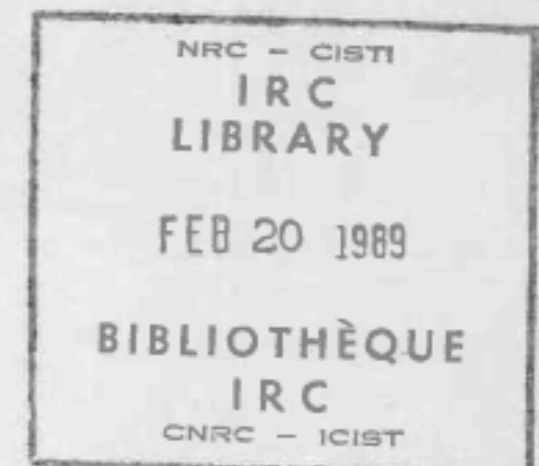
by R.S. Dumont

ANALYZED

Appeared in
Proceedings Healthy Buildings '88 Conference
Stockholm, Sweden 1988
Vol. 1. "State of the Art Reviews"
p. 61 - 69
(IRC Paper No. 1571)

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The First
Seminar

March 29, 1989

The Lunch Hour Series

- Sealants
- Polyurethane Foam
- Coatings
- Masonry
- Thermography



Incorporated

September 4, 1990

CANADA
PROVINCE OF BRITISH COLUMBIA

NUMBER

S-26609



Province of British Columbia
Ministry of Finance and Corporate Relations
REGISTRAR OF COMPANIES

SOCIETY ACT

CERTIFICATE OF INCORPORATION

I HEREBY CERTIFY THAT

BRITISH COLUMBIA BUILDING ENVELOPE COUNCIL
HAS THIS DAY BEEN INCORPORATED UNDER THE SOCIETY ACT

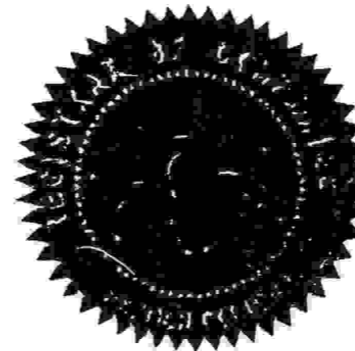
GIVEN, UNDER MY HAND AND SEAL OF OFFICE

AT VICTORIA, BRITISH COLUMBIA

THIS 4TH DAY OF SEPTEMBER, 1990

A handwritten signature in black ink, appearing to read "David W. Boyd".

DAVID W. BOYD
REGISTRAR OF COMPANIES



...and then something happened

Water Got In and Made Things Bad

Presented by Murray Frank at a wee lunch meeting in
1990

Chinese Temple (400 Years)



Medieval Castle (600 Years)



Lower Mainland (4 Years)





6/1/97





8 12 '97













3 10























...and for the next 20 years, we were distracted

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Where are
we now?

This was
the first

When
we r
Marc

For detached residences, the most commonly quoted value is the air changes per hour at 50 pascal value. Measured values of n_{50} range from less than 0.5 to more than 50. Programs in Sweden have shown that it is possible to produce detached houses on a widespread basis that have n_{50} values less than 3.0.

For larger buildings, a relatively common value that is quoted is the air leakage per unit surface area at 75 pascals. Measurements on a small sample of buildings in Canada and the United States have been in the range from 0.6 to 5 L/s·m² at 75 Pa.

Care must be taken with tight buildings to ensure that adequate ventilation is maintained. In well sealed buildings, some form of mechanical ventilation is normally required. In such buildings, heat recovery and treatment of the ventilation air is possible.

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Where are
we now?

March 29, 1989

Ministry of Energy, Mines and Natural Gas
Office of Housing and Construction Standards

Fall 2013 Ventilation Public Review

In April 2013, BC adopted the 2012 National Model Building Code amendments for energy efficiency in housing and small buildings in Section 9.36. The changes come into effect on December 19, 2014. We intend to bring in new ventilation requirements at the same time and we are taking advantage of the deferred implementation to provide additional opportunities for feedback on these ventilation proposals.

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The First Seminar

March 29, 1989

In 25 years

We've done nothing.



Where Do We Go?

- BCBEC is a venue for self learning
- A true industry group
- An equalizer for big and small companies at events
- As relevant today as in 1988





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