



Critical Canadian
Building Science
Webinar Series

Designing for People: Thermal Comfort Principles and Practical Applications for Residential Homes & Buildings

Part 1 of a Two-Part Professional Development Webinar Series

June 15, 2026 | 1:00 PM - 2:30 PM (ET)



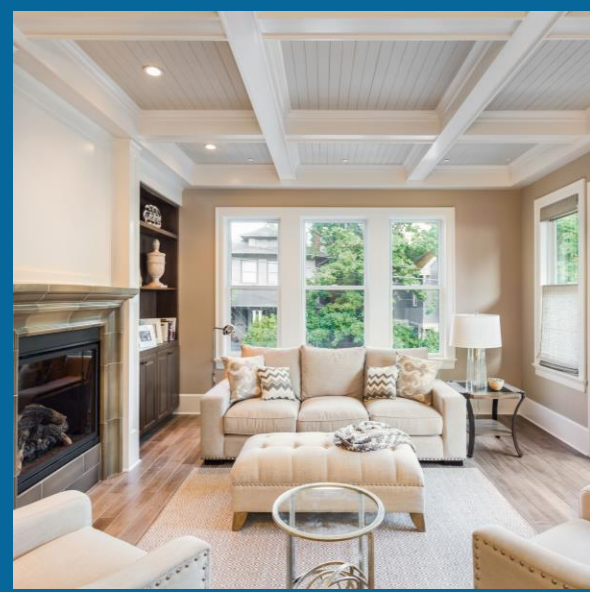
Gord Cooke
Building Knowledge Canada



Robert Bean
ASHRAE Fellow and Distinguished Lecturer



The Changes and Challenges to Comfort



More Windows



More Insulation



Basements as
Living Space



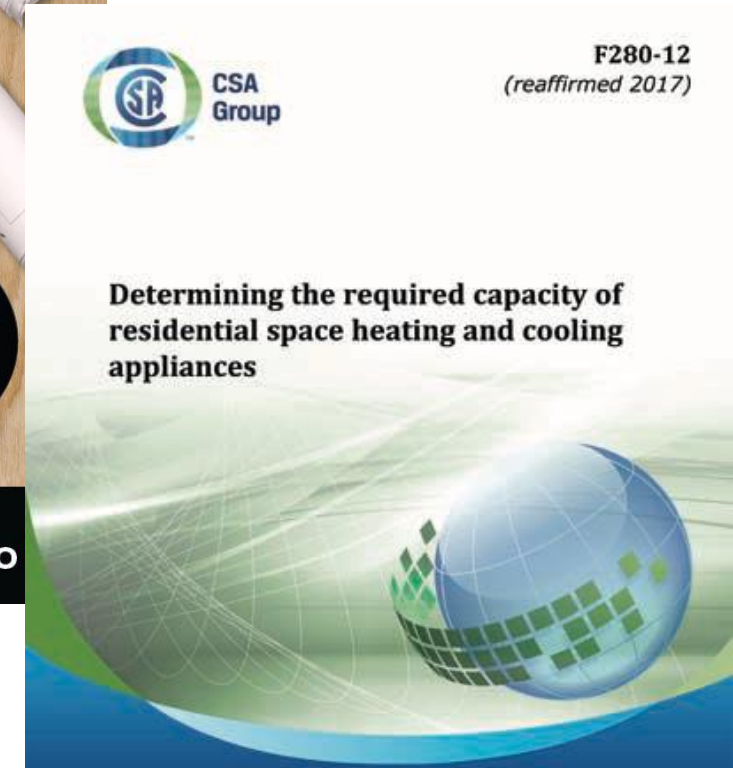
Higher Expectations

Energy Efficiency ≠ Comfort

What's the Solution?



Is it a “Code” Enclosure?



Is it an “HVAC” Design?



Critical Canadian
Building Science
Webinar Series

Designing for People: Thermal Comfort Principles and Practical Applications for Residential Homes & Buildings

Part 2 of a Two-Part Professional Development
Webinar Series

June 17, 2026 | 1:00 PM - 2:30 PM (ET)



Gord Cooke
Building Knowledge
Canada



Robert Bean
ASHRAE Fellow and
Distinguished Lecturer



Thermal Comfort for Residential Buildings

Presented by: Robert Bean
Gord Cooke

June 2026



Thank You to
our Sponsors



Our Mission

To support a sustainable and recognized profession of valued and credible Canadian Energy Advisors (EAs).

Our Mandate

Ensure credible, skilled members and be a valued, respected sector partner.

Our Members

Includes EAs; suppliers; building community stakeholders; and those in the process of becoming registered EAs. **Members are held to a high standard:** E&O insurance; 18 hrs CEC; Code of Ethics and Professional Conduct; SO verification letter

Members across Canada access to:

- **knowledge and information;**
- a **supportive network;**
- a **unified voice** to influence change; and
- **discounts** to equipment, training, and more.



Find a Member Here

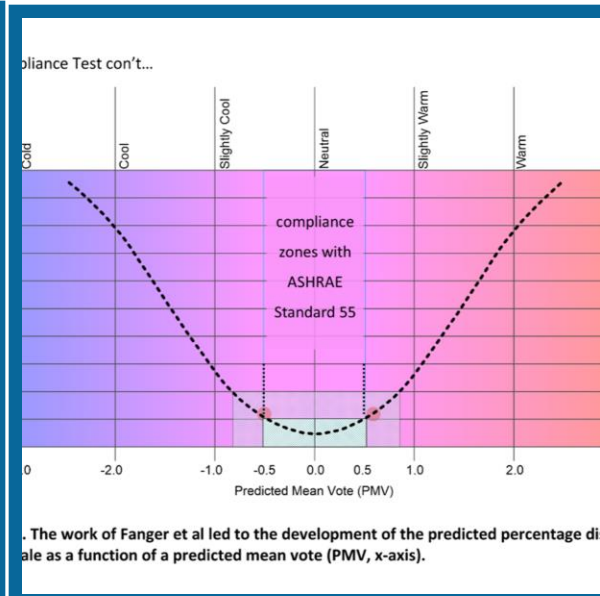
Contact

Cindy Gareau, Executive Director
manager@cacea.ca • 888-315-2774 • www.cacea.ca

What did we learn from Day 1?



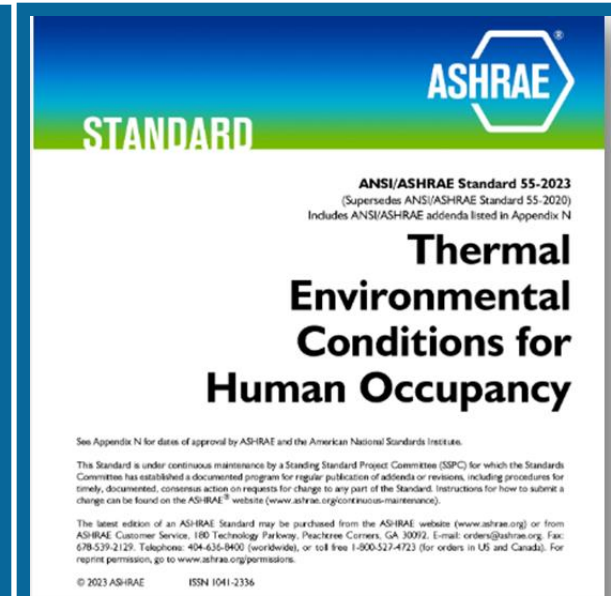
There is lot's of history to this



Comfort is Subjective



This number is not a comfort metric



There are Standards and Tools to Help

Let's Design to Create Conditions for Comfort

Summary and Next Steps

“Comfort” designs are possible

- We can help with that

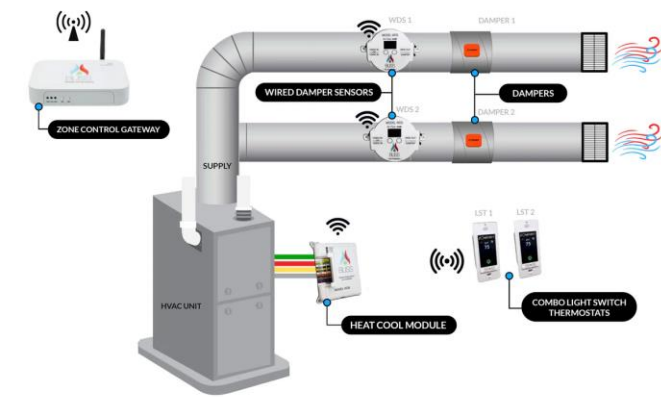
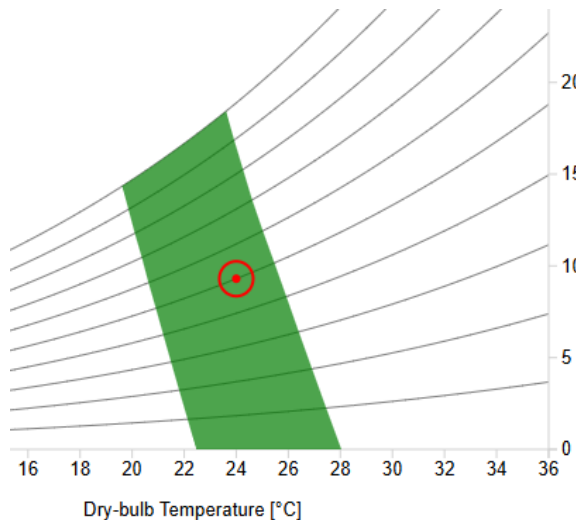
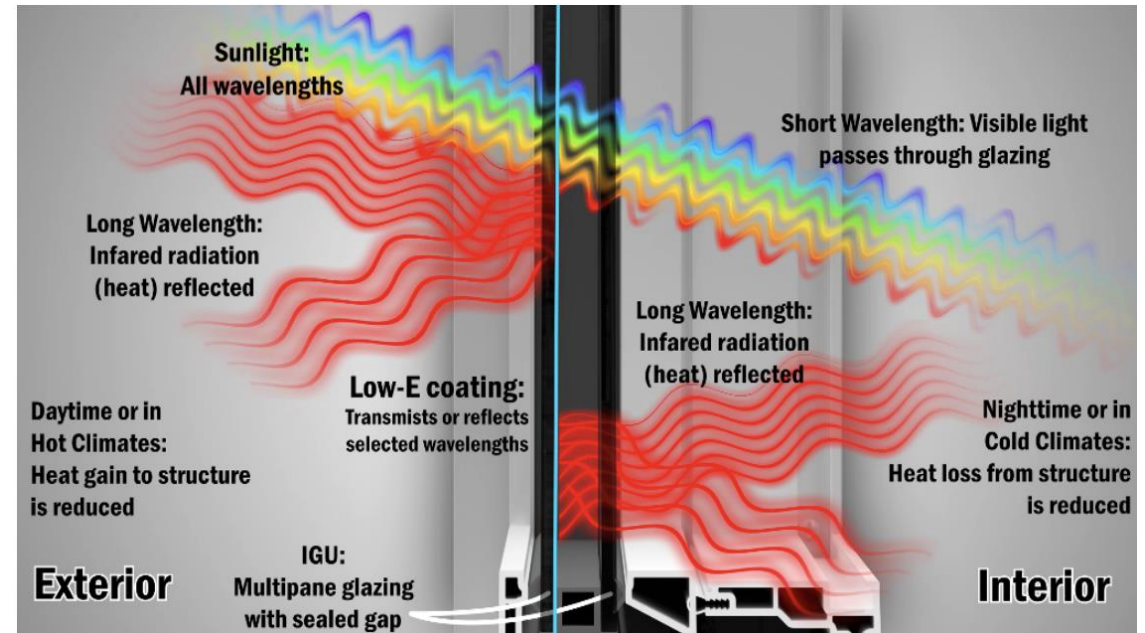
Be aware of “rogue” zones

Big windows in small spaces are a challenge

- But there are strategies

Understand the science of heat flow:

- Conduction, convection, radiation
- Match with your HVAC solutions



Upcoming Webinars

- Thursday, October 29, 2026, 1:00 pm – 2:30 pm EST
 - Secondary Suites & ADUs; Mechanical Options and Utility Connection Planning (sponsored by Enbridge)
- Thursday, November 19, 2026, 1:00pm – 2:30pm EST
 - Loads +Sizing How Builders & Utilities Can Work Together (sponsored by Enbridge)

Stay tuned on our website for more coming later this summer.

Thank You

Any Questions?



THE HOME THAT SCIENCE BUILT