

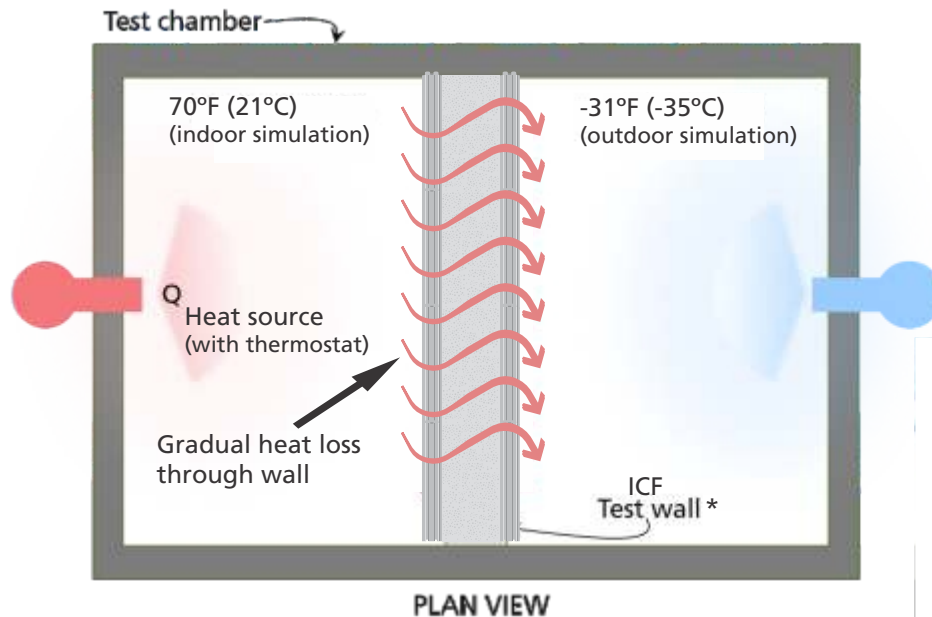
# HOW LONG DOES IT TAKE FOR THE HEAT TO TURN ON WHEN AN ICF WALL IS EXPOSED TO A FRIGID -31°F?

2 HOURS? 3 HOURS? HOW ABOUT 2 ENTIRE DAYS!

## HERE'S WHAT HAPPENED!

An R-24 ICF wall\* was placed in the middle of a test chamber. The temperature on one side of the chamber was reduced to -31°F while the temperature on the other side was maintained at 70°F by a heat source.

Amazingly, for 2 entire days, the thermostat did not detect a temperature drop and the heat never turned on! **THEN**, for days 3 and 4, the R-24 ICF wall actually operated at an amazing R-45\*\* to R-82\*\* **AND** for the 10 remaining days of the test, the ICF wall operated from R-45\*\* and gradually tapered down to its actual R-24 R-value on day 14 where it remained thereafter.



**THIS IS THE THERMAL PERFORMANCE BOOST CREATED BY THE "THERMAL MASS EFFECT" OF A ICF WALL!**

(that current modeling programs typically don't account for but for ICF home and building owners is enjoyed every day!)

\*\*Instant apparent thermal resistance over time, simplified calculation.