



Signs Your Home Needs More Insulation

A Homeowner's Diagnostic Guide to Comfort and Energy Efficiency in Utah



Rising Utility Bills

Unexplained increases in heating and cooling costs despite normal usage.



Excessive HVAC Runtime

The heating or cooling system runs constantly but the house never feels quite right.



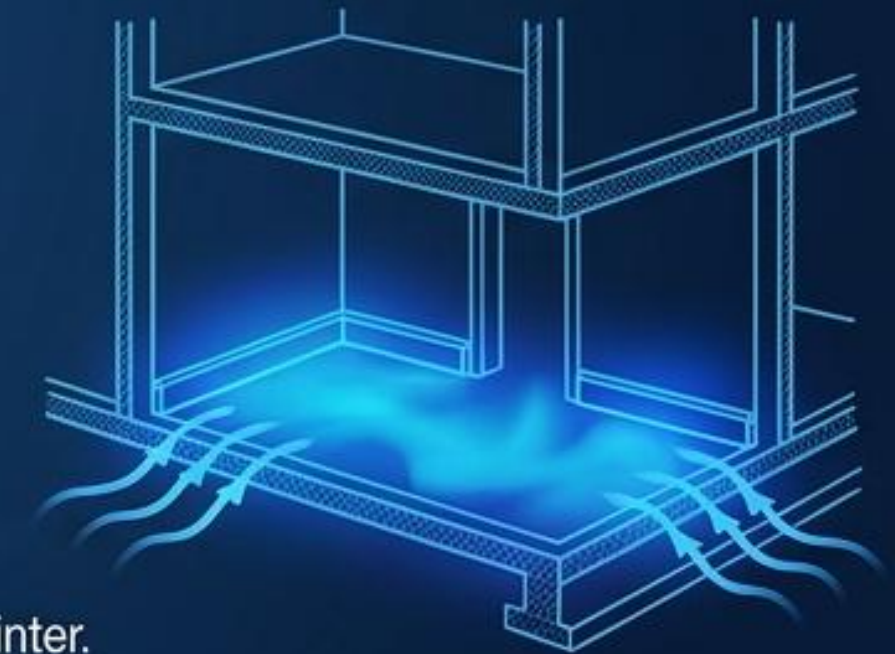
Uneven Room Temperatures

Certain rooms are drastically hotter or colder than the rest of the house.



Drafts & Cold Floors

Noticeable temperature drops near baseboards and uncomfortably cold floors in winter.



These aren't just quirks of your house—they are structural warning signs.

The Rule of Heat Transfer:

Heat always moves from warmer areas to cooler areas.



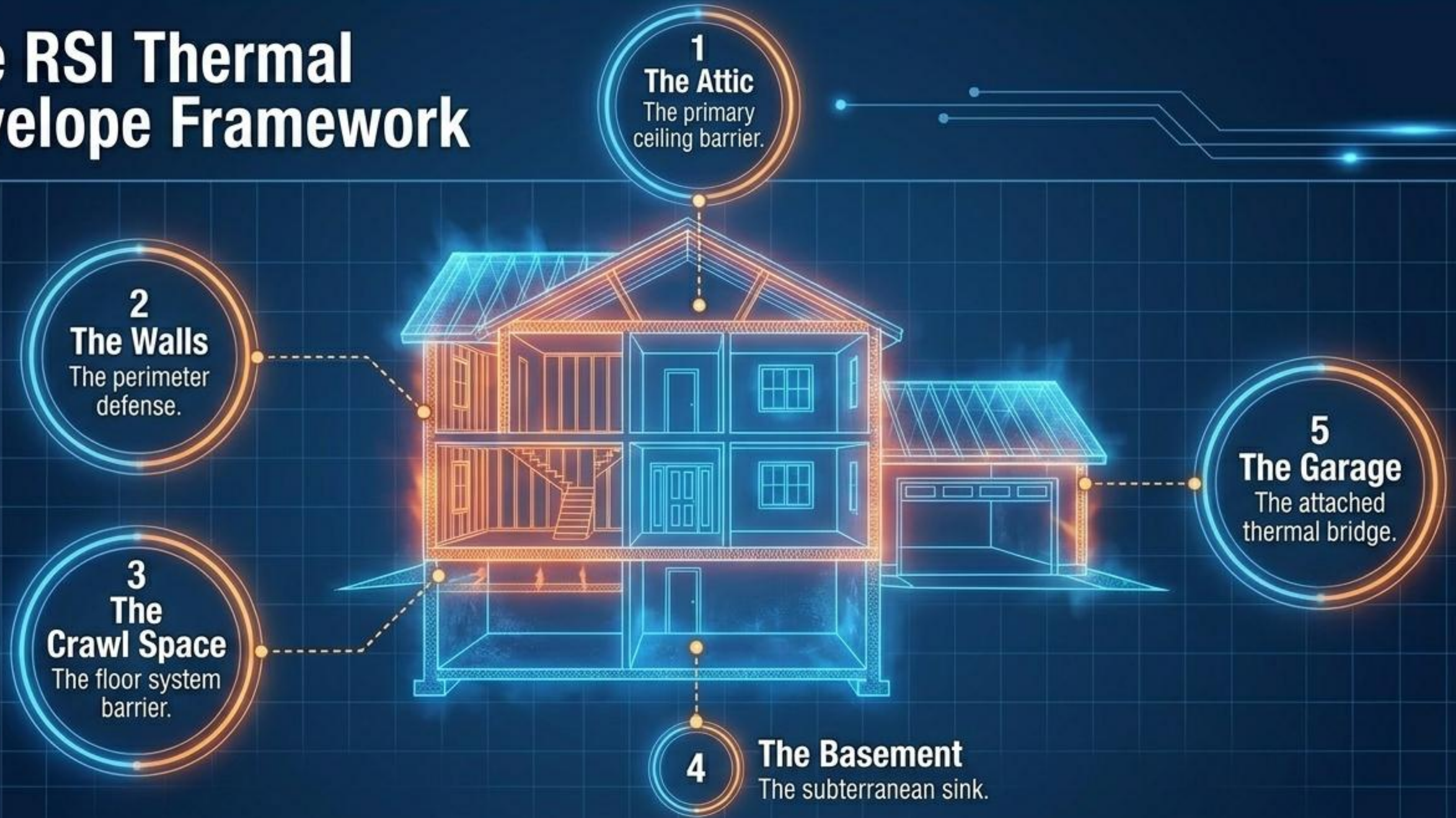
Winter Heat Loss



Summer Heat Gain

The Utah Challenge: Utah homes face freezing winters and scorching summers. Without a proper thermal barrier, your HVAC system fights a losing battle against the physics of heat transfer.

The RSI Thermal Envelope Framework



Insulation must be evaluated as a complete system. A weakness in just one of these five zones compromises the comfort of the entire home.



Zone 1: The Attic

✓ Homeowner Symptoms

- ✓ **Summer:** Upstairs rooms that are unbearably hot and impossible to cool.
- ✓ **Winter:** Ice dams forming on the edge of the roof due to heat escaping and melting snow.

The Science

Heat naturally rises. The attic is the home's primary defense against massive energy loss in winter and severe heat intrusion in winter and severe heat intrusion in summer. Blown-in fiberglass is often required to achieve proper depth and cover irregular attic framing.

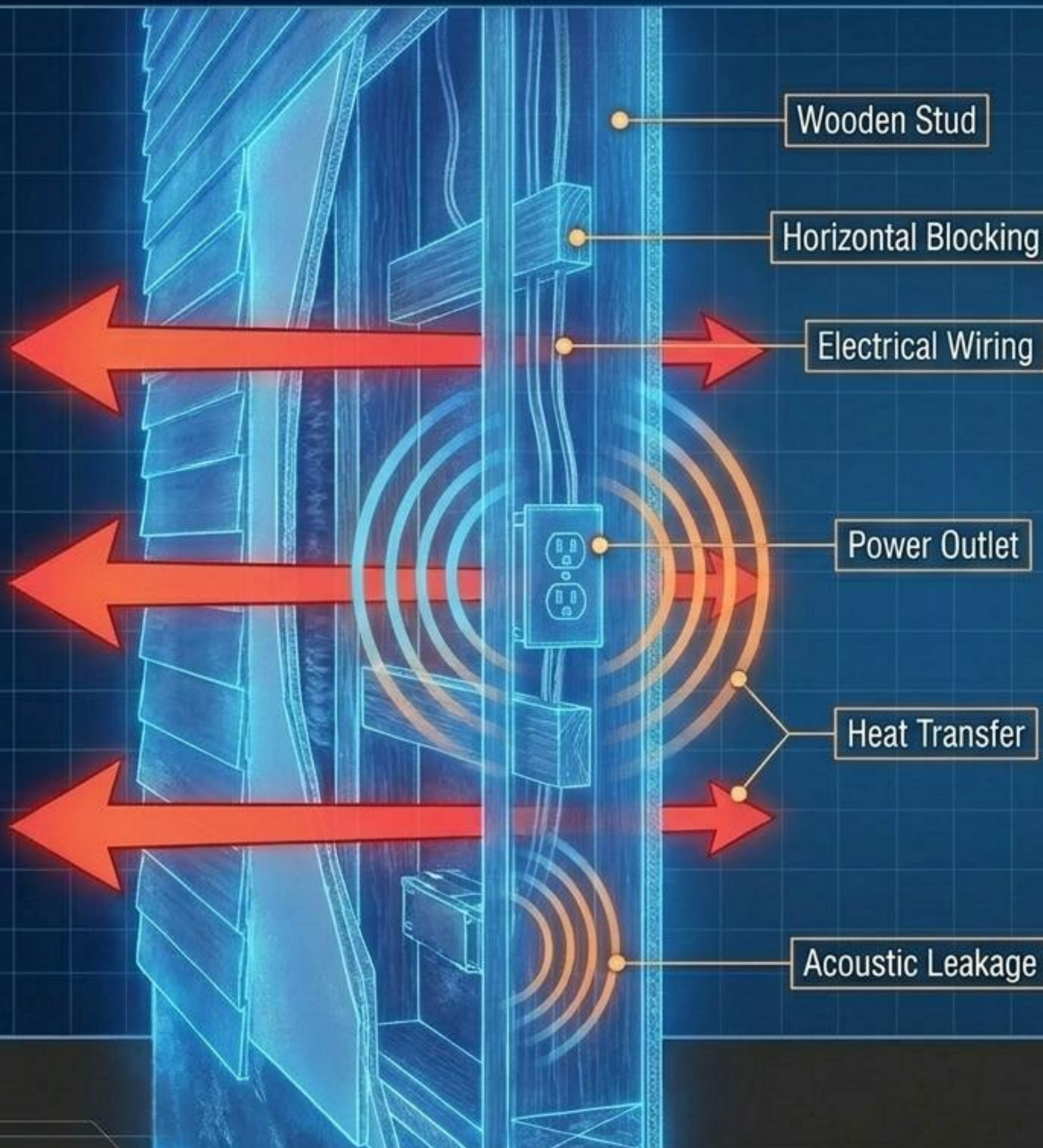
Zone 2: The Walls

✓ Homeowner Symptoms

- ✓ Drafts felt near exterior walls and electrical outlets.
- ✓ Rooms that never seem comfortable despite thermostat adjustments.
- ✓ Excessive noise transfer between rooms or from the outside (a sign of acoustic leakage).

The Science

Walls make up the largest surface area of the home's envelope. Inadequate perimeter insulation allows continuous heat transfer, while poorly insulated interior walls destroy acoustic privacy.



Zone 3: The Crawl Space



Homeowner Symptoms

- ✓ Uncomfortably cold floors during the winter.
- ✓ Drafts felt moving across the floor level.

The Science

Vented crawl spaces are exposed to outdoor temperatures. Without properly installed fiberglass batt insulation between the floor joists, the floor system acts as a thermal bridge, pulling heat out of the living space and chilling the floors.

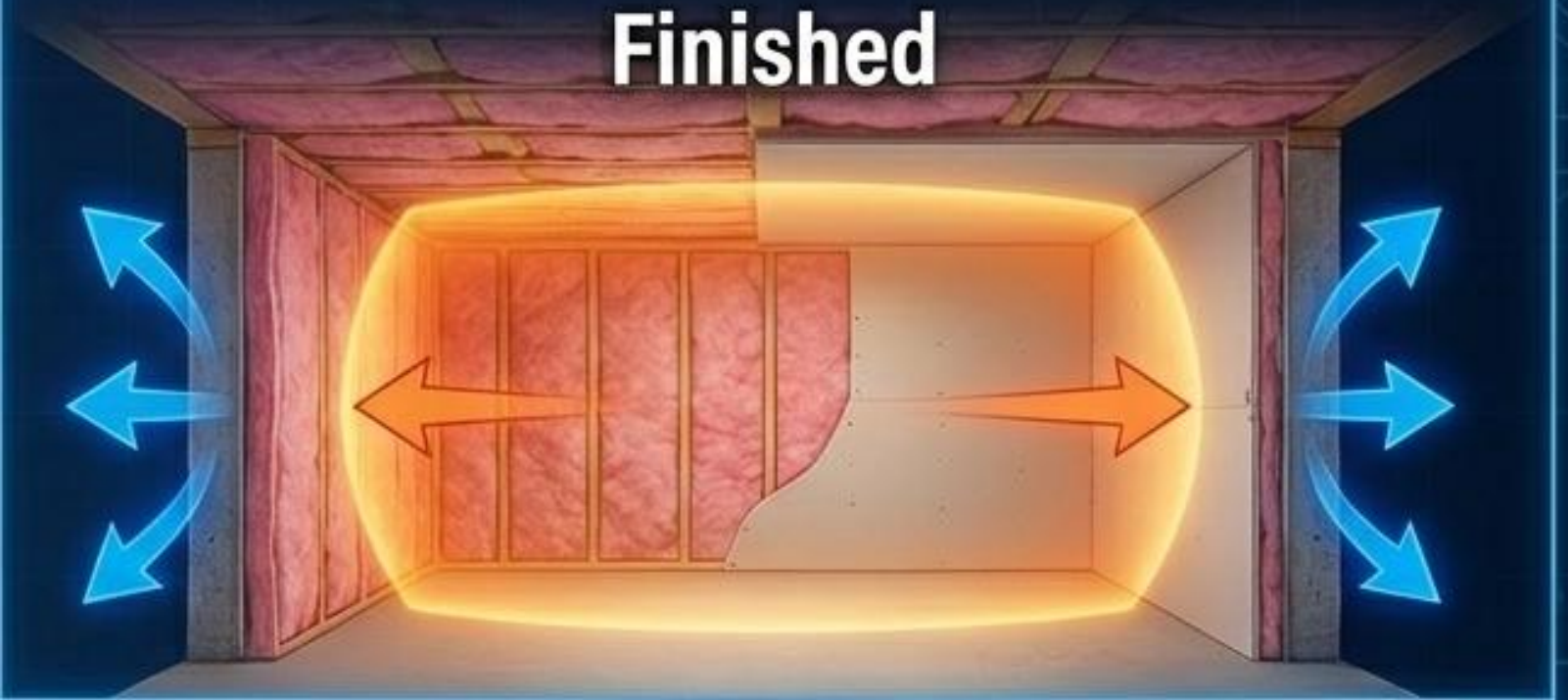
Zone 4: The Basement

Finished vs. Unfinished Basements

Unfinished



Finished



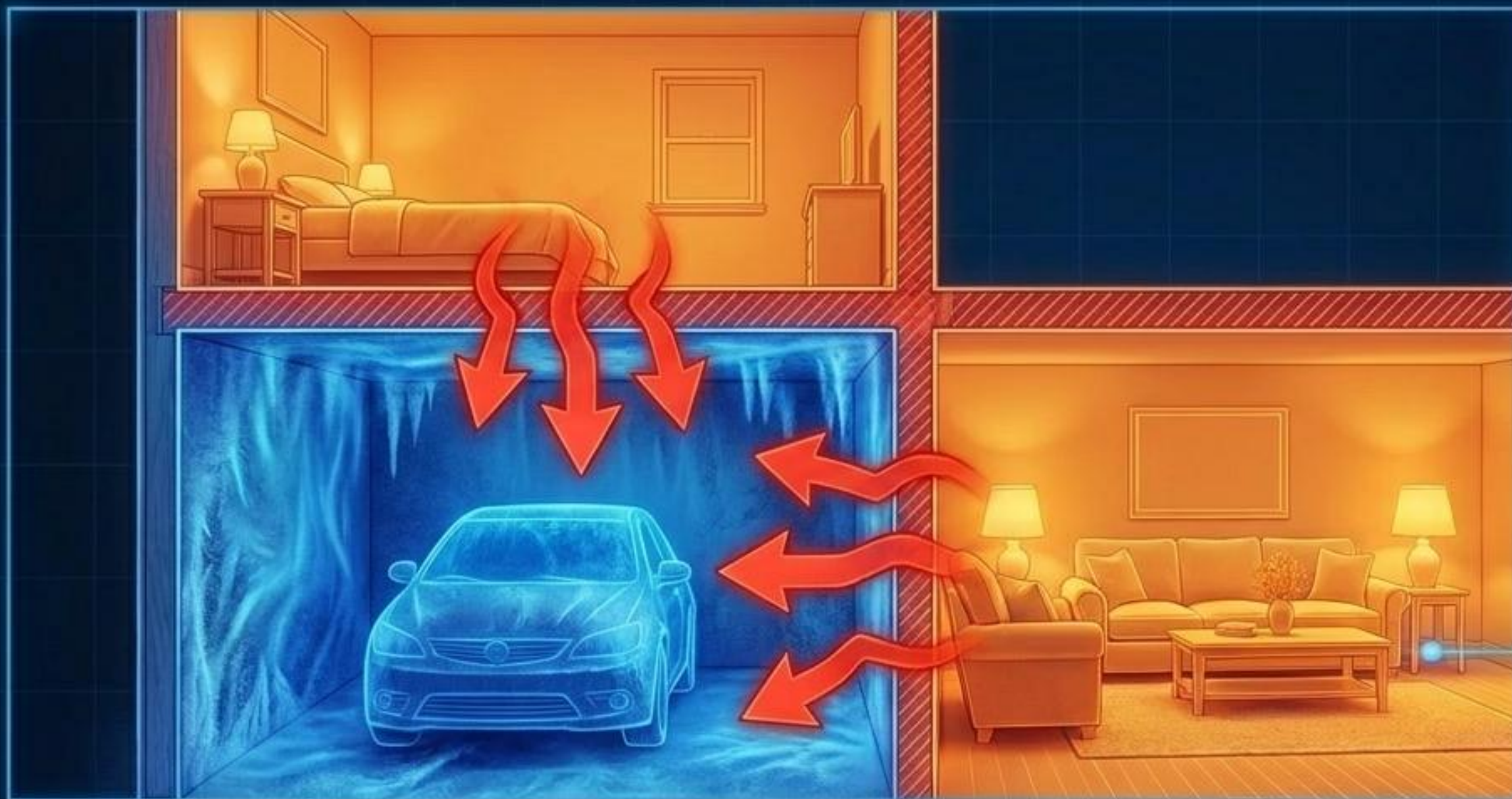
Homeowner Symptoms

- ✓ A basement that is always freezing, regardless of the season.
- ✓ Cold floors on the main level directly above an unfinished basement.

The Science

Foundation walls are a massive source of continuous heat loss into the surrounding soil. Insulating foundation walls and sealing rim joists creates a thermal barrier that stabilizes both the basement and the floors above it.

Zone 5: The Garage



Homeowner Symptoms:

- ✓ Bedrooms located above the garage are always too cold in winter or too hot in summer.
- ✓ Living spaces sharing a wall with the garage suffer from extreme temperature fluctuations.

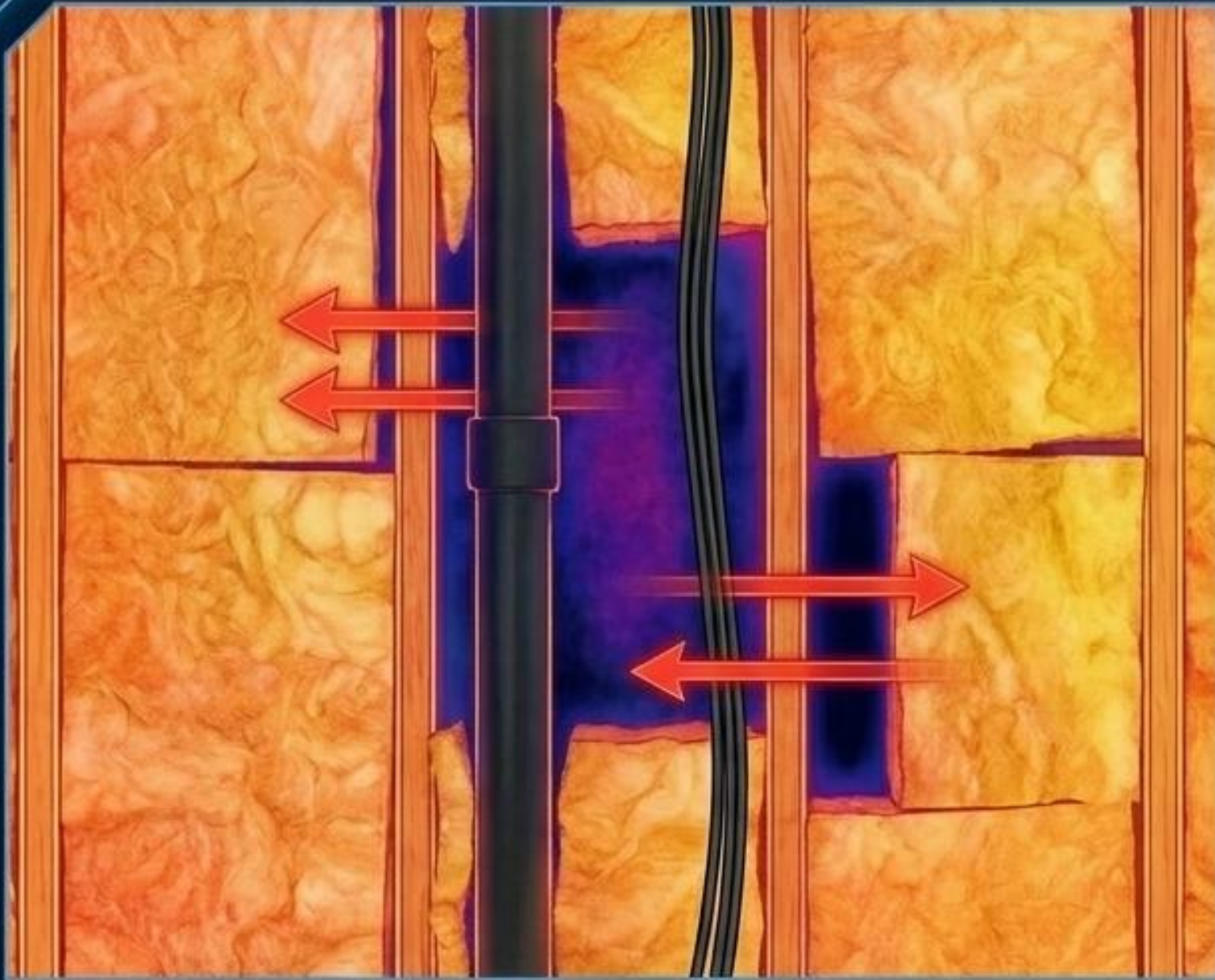
The Science

Attached garages are massive, unconditioned boxes. Without proper insulation in the shared walls and ceilings, the garage acts as a thermal vacuum, aggressively pulling heat from the adjacent conditioned living spaces.

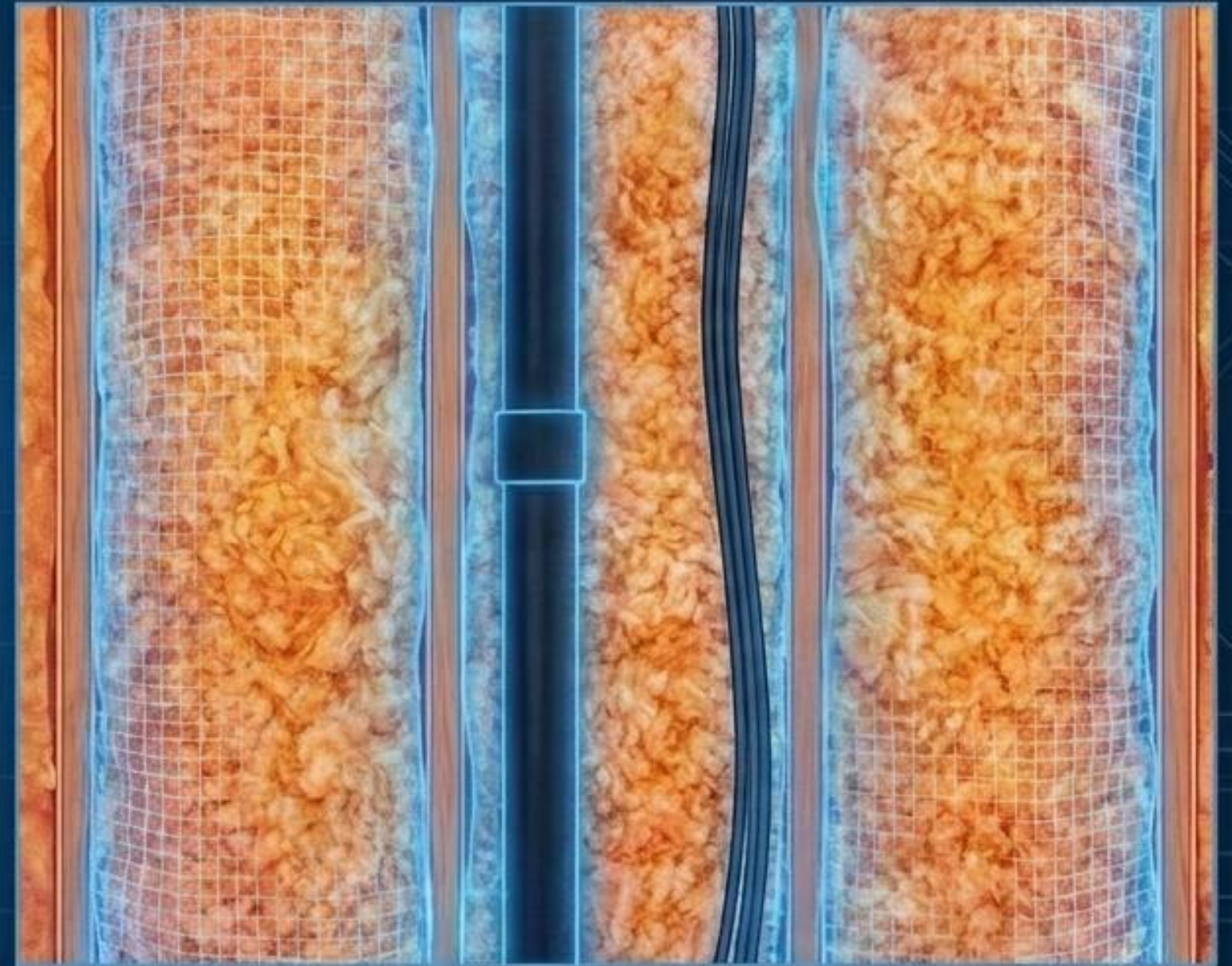
Symptom-to-Source Diagnostic Matrix

Symptom	Attic	Walls	Crawl Space	Basement	Garage
Hot upstairs in summer	✓				
Ice dams on the roof	✓				
Cold floors on the main level			✓	✓	
Extreme temps in a specific bedroom		✓			✓
Excessive noise between rooms		✓			
Drafts near baseboards		✓	✓		

The Coverage Crisis: Why Voids Matter



Traditional Batts



Blow-In Blanket Method

Insulation only works if coverage is 100%. Traditional batt insulation can leave small gaps around plumbing, wiring, and irregular framing. The Blow-In Blanket method pneumatically installs loose fiberglass fibers behind netting, conforming to every obstacle to create a continuous, void-free thermal barrier.

The Hidden Cost of Poor Insulation



Heat escapes through a weak zone.



Indoor temperature destabilizes.



HVAC system runs longer cycles to compensate.



Energy consumption spikes and equipment lifespan drops.

You aren't just paying for lost heat—you are paying for the accelerated wear and tear on your HVAC equipment.

Homeowner Self-Assessment Checklist

1. Analyze Your Utility Bills

- Look for unexplained spikes in winter or summer costs compared to previous years.



2. Conduct a Temperature Test

- Walk room-to-room during the hottest or coldest part of the day to identify distinct temperature variations.



3. Check Your Floors and Walls

- Feel the floors above your crawl space and the interior walls adjacent to your garage during extreme weather.



4. Inspect Visible Insulation

- Look in your unfinished basement or attic (if accessible) for settling, gaps, deterioration, or exposed framing.



Comfort Problems Have a Source. Insulation Has a Solution.



Insulation is the only home improvement that works continuously, 24 hours a day, 365 days a year. By treating your attic, walls, crawl spaces, basement, and garage as a unified thermal envelope, you protect your home, lower your bills, and reclaim your comfort.



SALT LAKE CITY'S ENERGY-EFFICIENT INSULATION EXPERTS

A Better Insulated Home Starts With the Right Approach.

True comfort and efficiency come from a complete, continuous thermal envelope. RSI Insulation uses proven methods and premium fiberglass insulation to deliver coverage where it matters most—year-round.



Greater
Comfort



Lower Energy
Costs



Healthier
Indoor Air



HVAC System
Efficiency



Long-Term
Home Value



RSI's system-wide approach ensures complete coverage, fewer gaps, and lasting performance.

That's the RSI difference.

EXPLORE MORE RESOURCES



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Learn more about RSI Insulation and our full range of services.

rsiinsulation.com



RSI Resource Hub

Explore expert guides, articles, and resources to help you make informed decisions.

[Home Insulation Guide](#)



Call Us

Have questions about your home's insulation? We're here to help.

(801) 859-3092



Better insulation. Better comfort. **Better home.**

RSI Insulation is here to help.



Ready to Improve Your Home?

Visit us online or call today to schedule a free consultation.