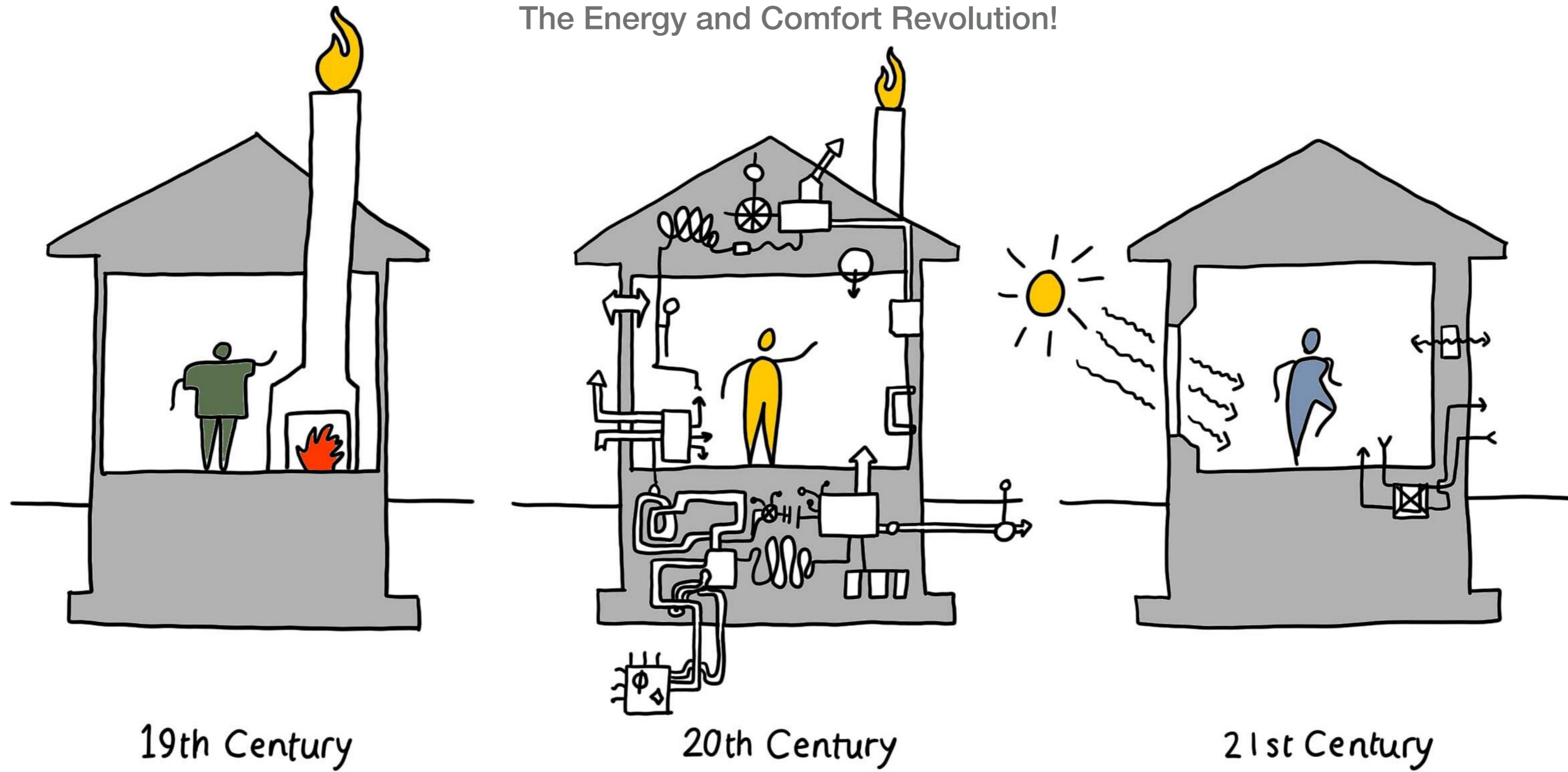


# Riverside Primary School: A Passivhaus Project

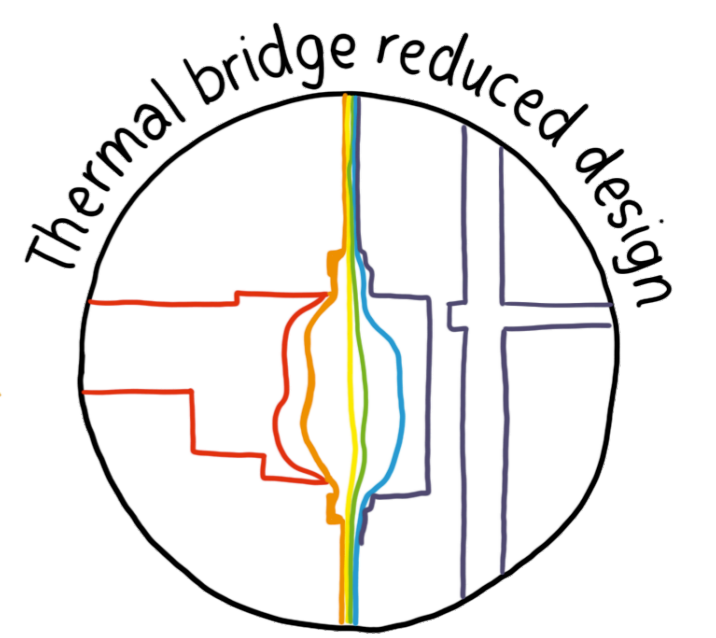
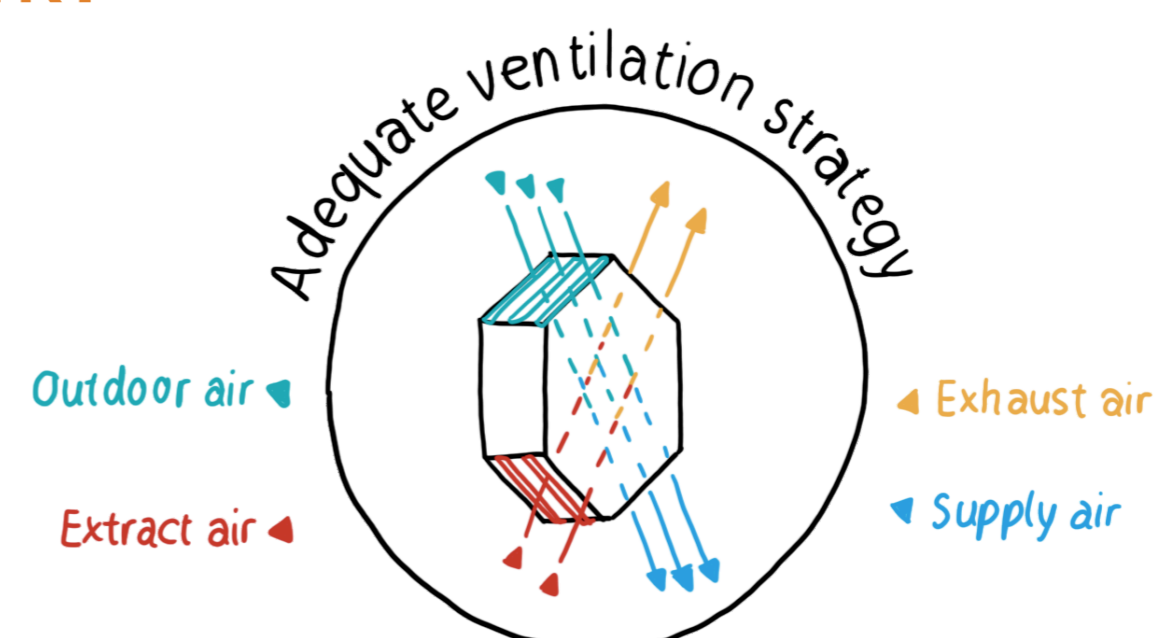
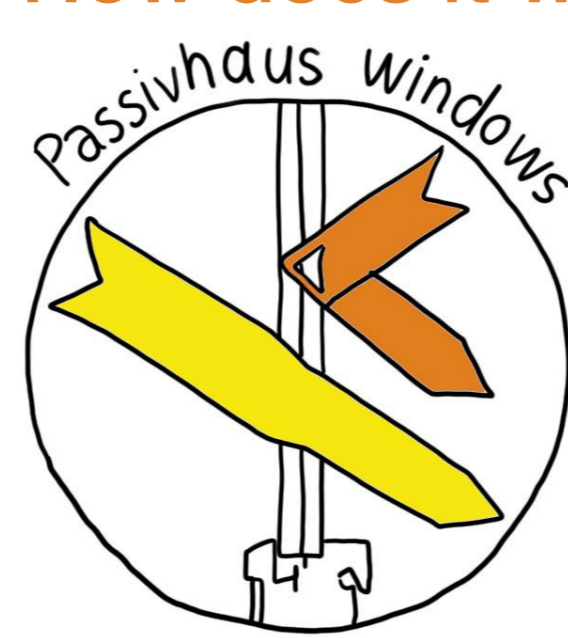
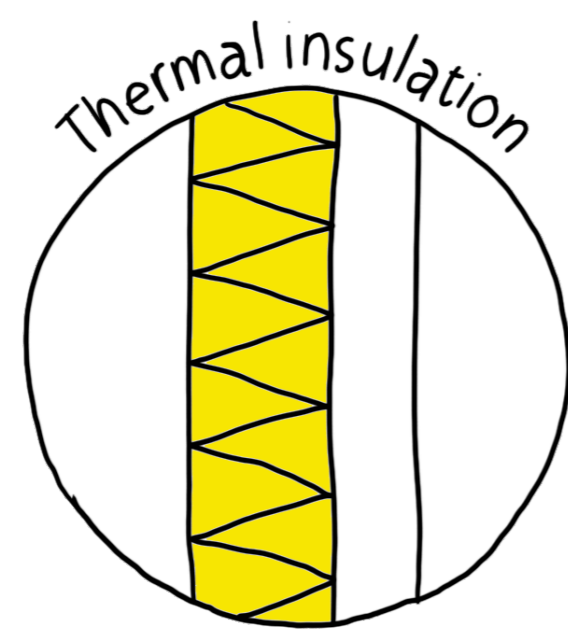
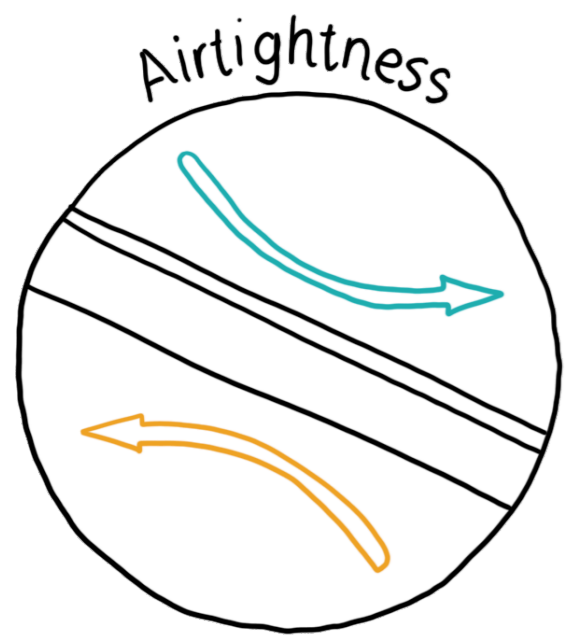
## What is Passivhaus?

The Passivhaus standard has been chosen to ensure a healthy, high quality learning environment whilst reducing energy usage in the long-term.

### The Energy and Comfort Revolution!



## How does it work?



## How is it implemented?

- Continuous airtight line
- May be board, plaster, tape, concrete or membrane
- If breached please report
- Interfaces between changes of airtightness strategy are critical

- Continuous insulation around building envelope
- Thermal breaks where required
- Ensure insulation is dry + function fitted
- Store insulation dry and sheltered on site

- Location of window installation important
- Ensure window fixing strategy is agreed with Passivhaus designer
- Care to be taken around thresholds
- Ensure windows match specialist signed off

- Ensure installation is as designed
- Balanced system with flow rates as commissioned
- Keep all equipment and ducts clean in construction stage

- Continuous insulation supported by approved thermal breaks for structure/fixing or transition zones
- If breached please report (or if missing thermal breaks)
- Risk of mould or condensation in building envelope if not carefully completed on site

## What is the end result?





# Riverside Primary School: A Passivhaus Project



**CAUTION**

Passivhaus building

# STOP



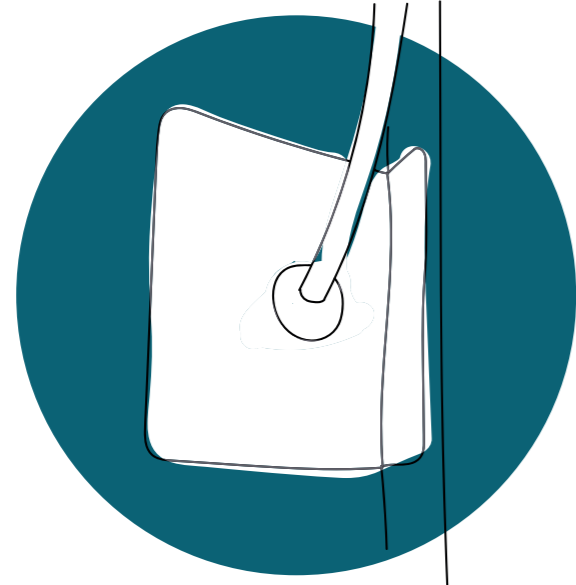
PASSIVHAUS NEEDS

# YOU

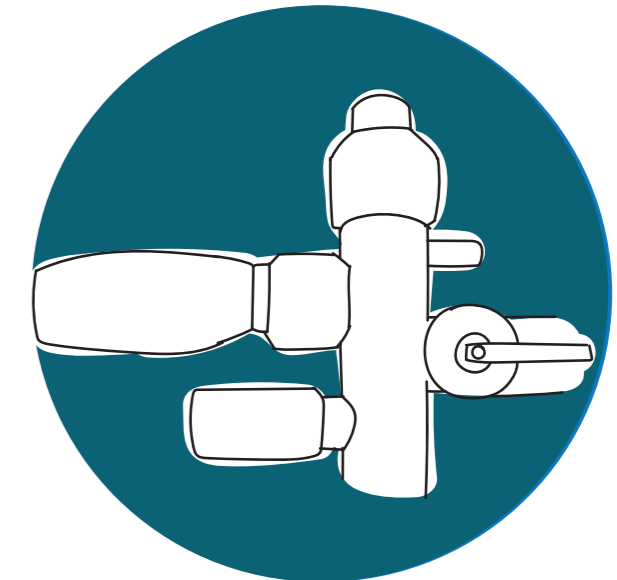


**BE AWARE**

Report breaches to Airtightness Champion



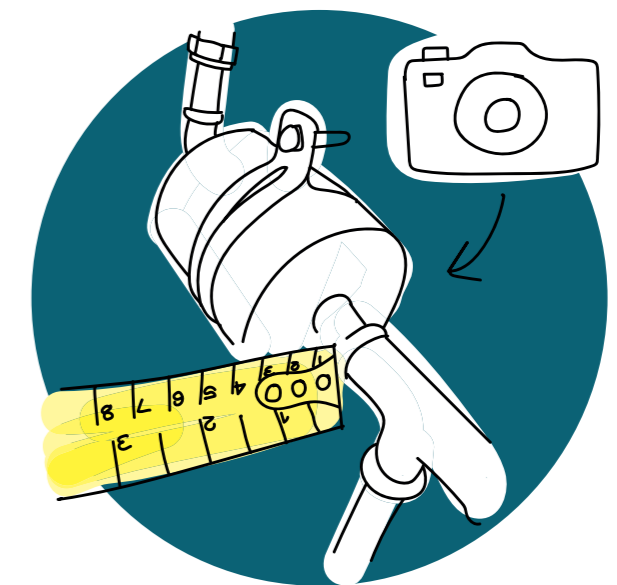
Ensure penetrations are airtight.



Ensure continuous insulation around junctions and pipes.



Ensure continuous insulation.



Collate Passivhaus evidence along the way.

Workmanship is key!

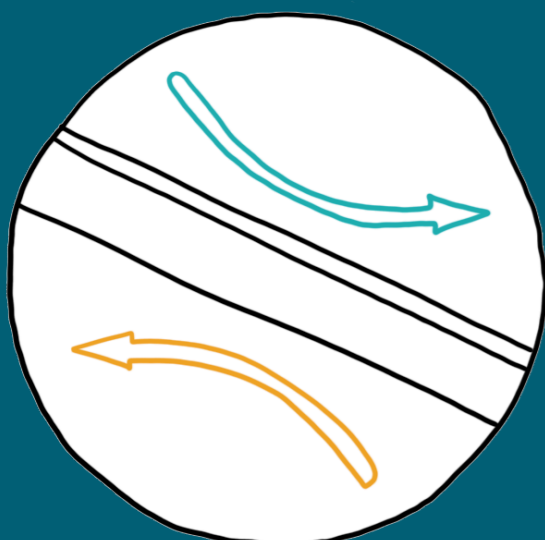
Your co-operation is needed!

Built to perform!

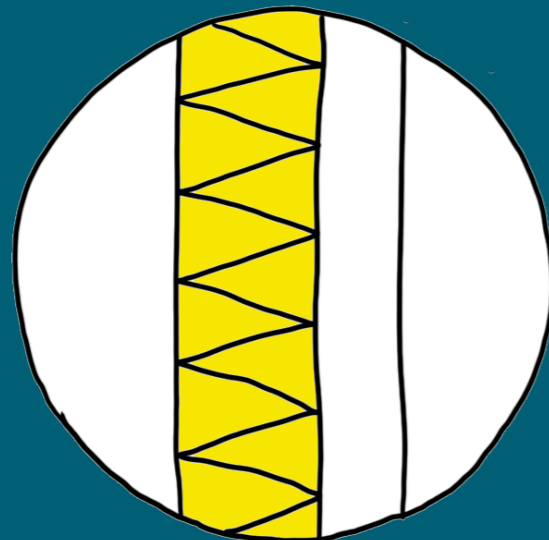
## NO BLAME CULTURE - SPEAK UP!

There is a 'no blame policy' on site - but it is important any inconsistencies are identified and resolved ASAP.

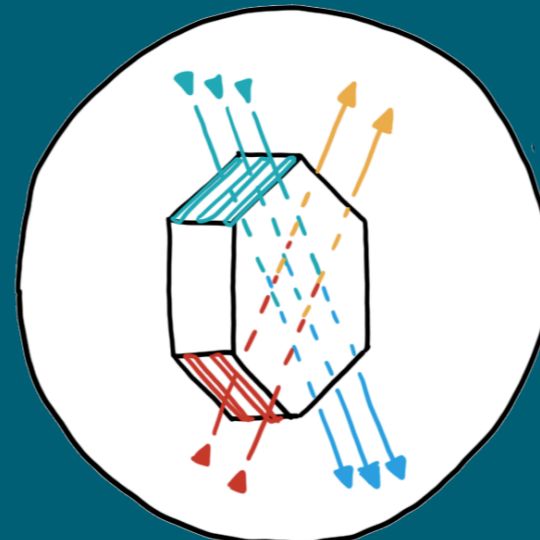
Be Aware of ...



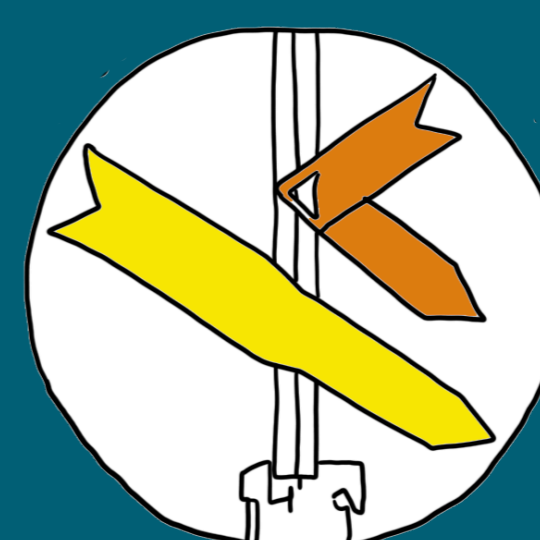
**Airtightness**



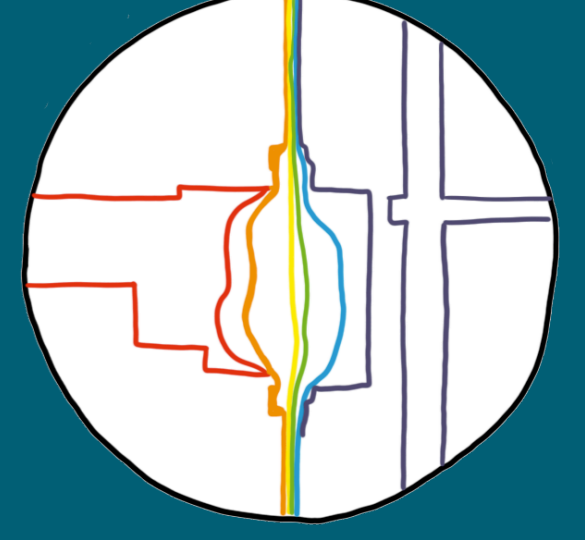
**Insulation Continuity**



**Insulated Services**



**Passivhaus Windows**



**Thermal Bridges**

