• Is Part L and Code for Sustainable Homes forcing us into a whole house ventilation solution? My biggest concern is that most aim for the minimums in Part F – Designing in disrepair and effecting peoples’ health. Demand Control Ventilation advocates are suggesting reducing flow rates!!

• Do contractors know how to install ductwork properly? The majority don’t no and those that do cut corners. New Build procurement can be adversarial.

• Do occupants know how to change filters and clean heat recovery units? From experience they are never told Everyone’s favourite radio station is wii FM (What’s in it for me)

• Should all new homes be fully mechanically ventilated? Yes.
Single Room Heat Recovery

- Cell maintenance instructions
The Explanation Escalator

- Mechanical Ventilation with Heat Recovery
- Positive Input Ventilation from Loft
- Continuous Mechanical Ventilation (centralised & de-centralised)
- Intermittent Extract, Passive Stack, & Single Room Heat Recovery

Explanation to occupants

Perception if you don’t

Consequence if you don’t
The Maintenance Escalator

Continuous Mechanical Ventilation (centralised & de-centralised), Intermittent Extract, Passive Stack, & Single Room Heat Recovery

Positive Input Ventilation from Loft

Mechanical Ventilation with Heat Recovery

Consequence if you don’t
Maintenance solution for MVHR

- Ask occupants if they would be prepared to change filters for an incentive?
- Post out filters after 6 to 12 months with pre-paid return envelope
- Occupants send back dirty filters
- Post back voucher - £20

- Excluding the filter
- Post, packaging and voucher – less than £25
- Send an engineer – more than £50
Summary – Domestic Ventilation Reducing Risk

• Don’t abdicate responsibility. Is the design and build route going to meet your ongoing responsibility for the property?

• Think about what’s adequate and not just tick box minimums of Part F.

• Include an understandable explanation as part of your requirements. If they can’t explain it, they shouldn’t fit it.

• Have a robust aftercare maintenance plan.