Successful delivery of Passivhaus

Jonathan Hines, Architype

Architype

- pioneering sustainable design for 30 years
- working throughout the UK from London and Hereford
- working across many sectors education, housing, commercial, community and health
- projects ranging from £150k to £20+million
- Passivhaus now forms the majority of our work



Bushbury Hill Primary School



















Swillington Primary School





Chester Balmore Housing





University of East Anglia NRP Building



Herefordshire Archive and Records Office



Christs Church Central, Sheffield



Plans - Ground Floor





One-off houses, Herefordshire



ArchiHaus - 150 Passivhaus house development, Herefordshire

Successful delivery of Passivhaus

- design
- costs
- procurement
- construction
- certification
- occupation

What is Passivhaus?

- a rigorous energy standard
- a rigorous comfort standard
- a rigorous quality assurance standard

- keep it simple in form
- keep it simple in detailing
- keep it simple in servicing

don't think 'boring'.....

don't think 'boring'.....

'elegant simplicity'



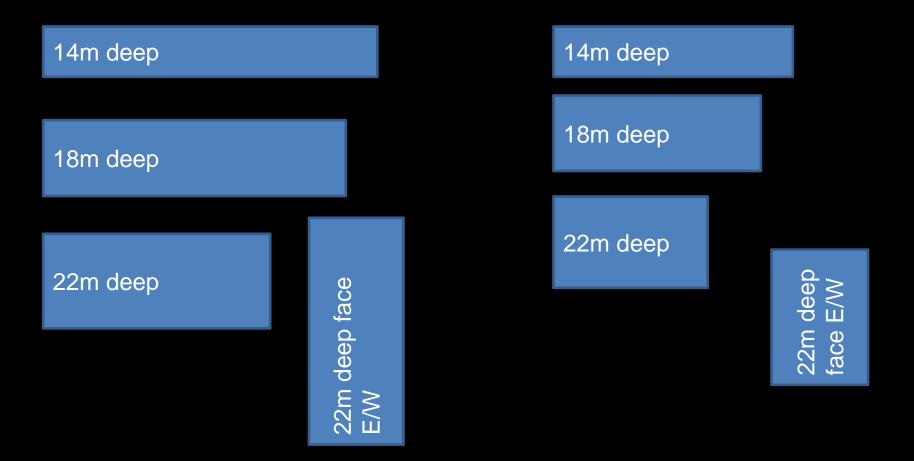
'simplicity is the ultimate sophistication'



'what you put into a building makes it good, what you take out makes it great'



Simplicity of building form

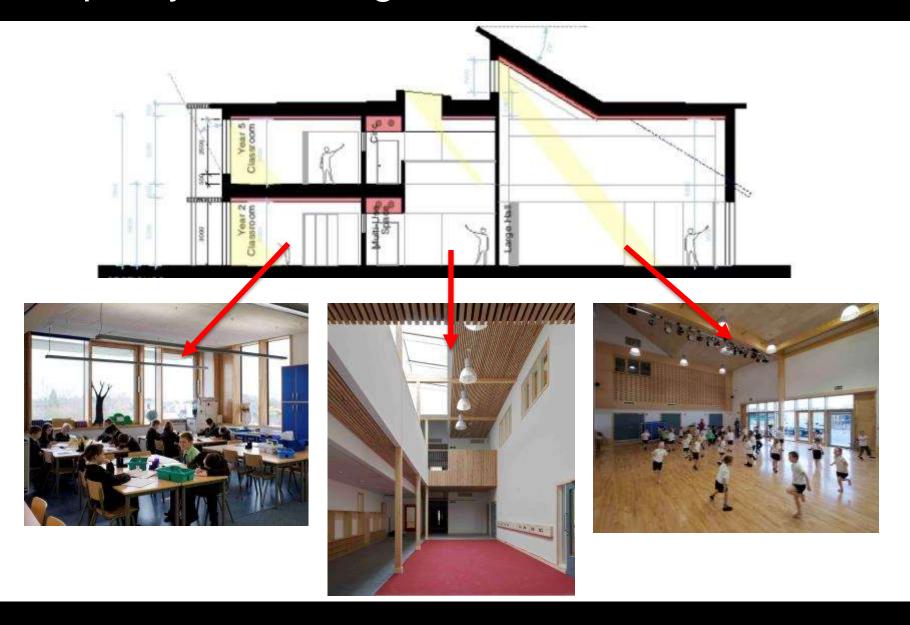


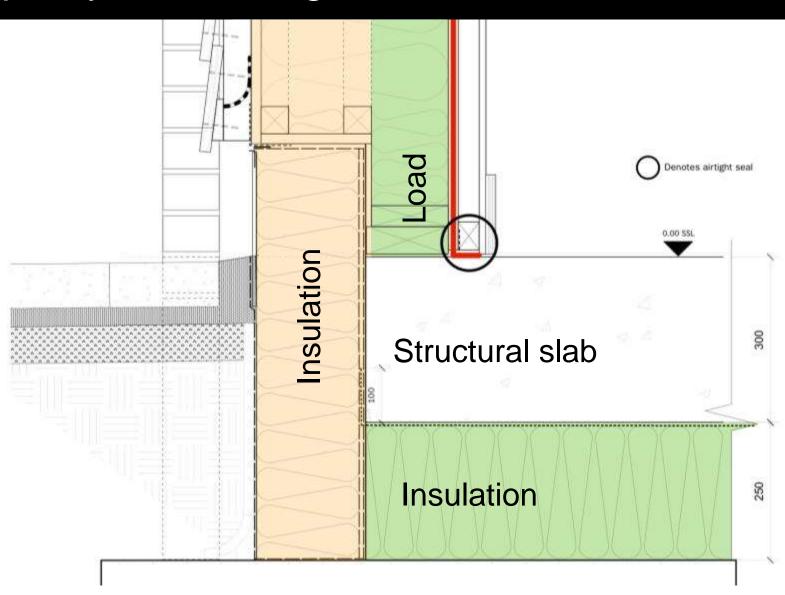
Single storey Two storey

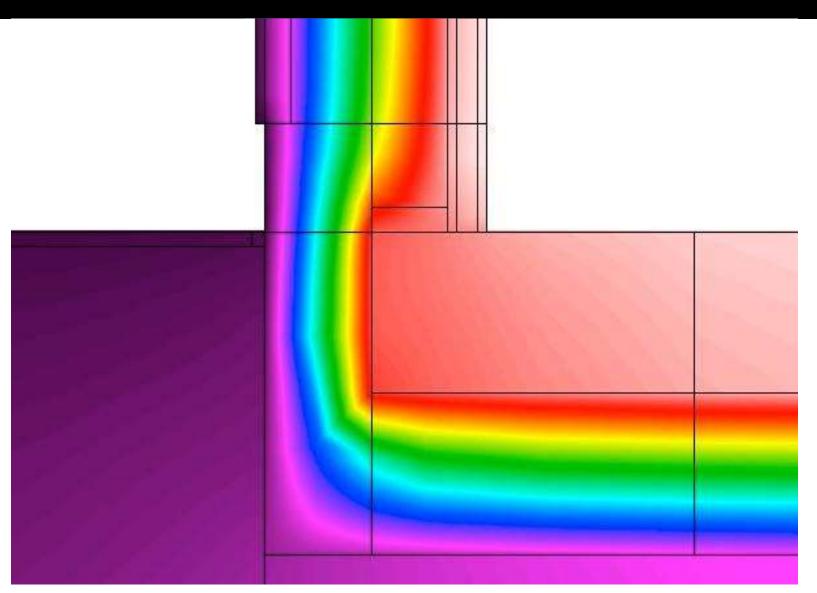
Simplicity of building form

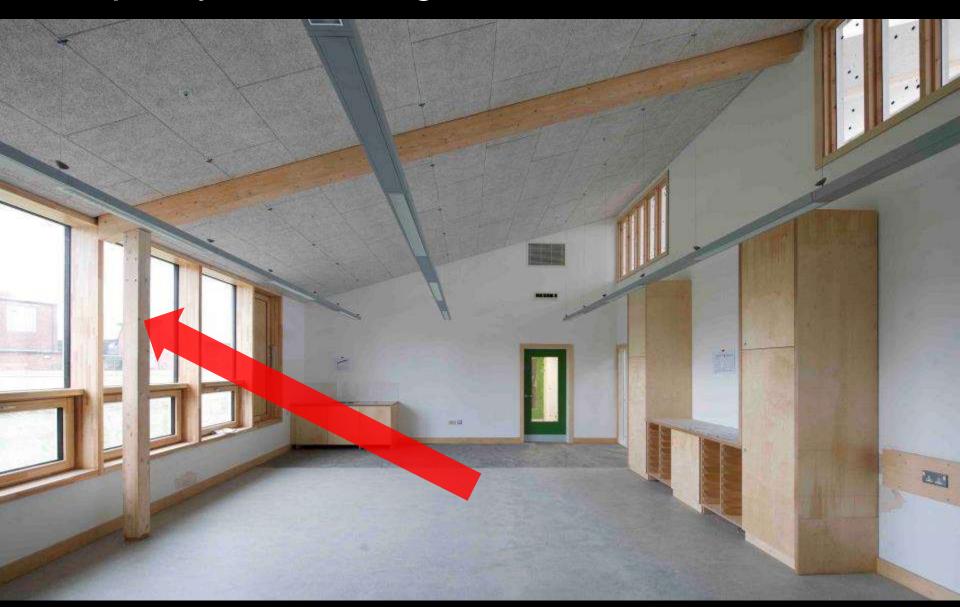


Simplicity of building form





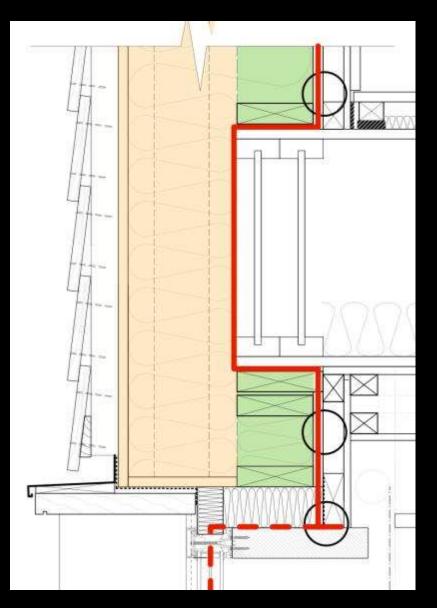




Keep structure within the thermal envelope.....



Or keep structure outside the thermal envelope.....





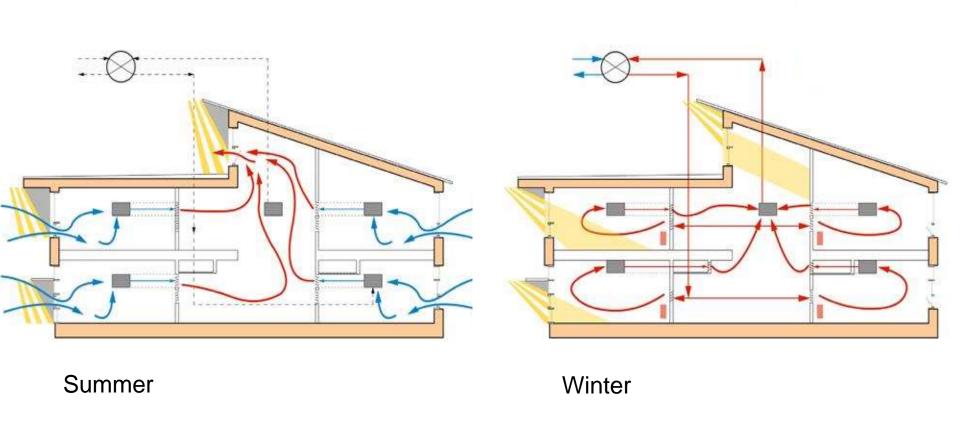
Design IN airtightness.....







Simplicity of services



Simplicity of services



think..... simplicity

.....and employ the right expertise