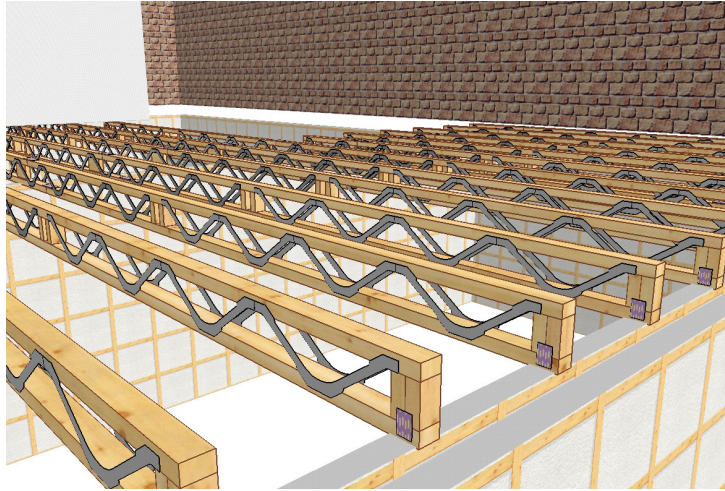
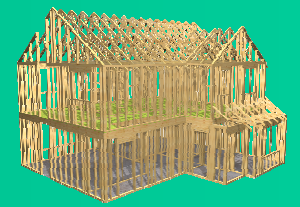


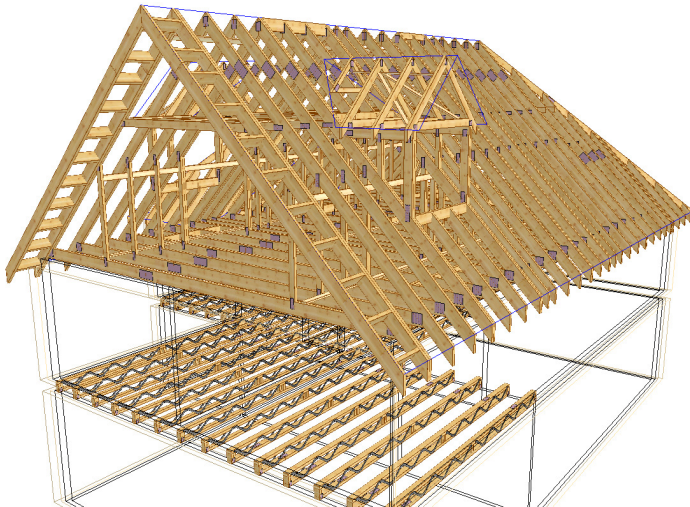


# Ecojoist Features & Benefits

# Ecojoist® Features & Benefits

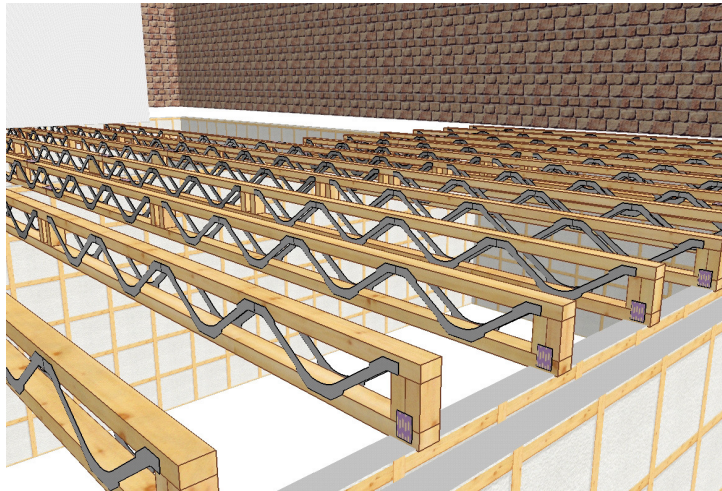
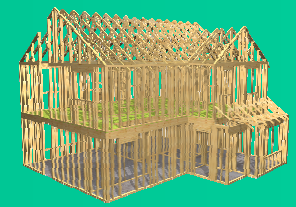


- Negligible shrinkage or swelling
- Lightweight construction
- Installed in approximately 50% of the time required for conventional joists.
- Available to non fabricators
- Approved Robust Details

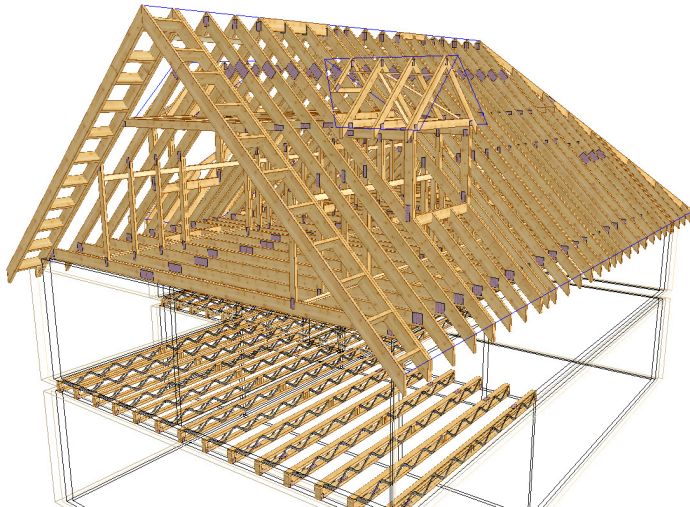


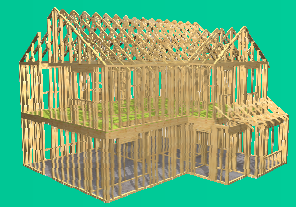


# Ecojoist® Features & Benefits



- Depth compatible to common solid joist sizes
- Can be top chord supported, reduces metalwork required
- Reduction or elimination of surface run pipework
- 72mm wide flanges provide large area for the fixing of floor deck and ceiling
- Made to measure, reducing on site wastage



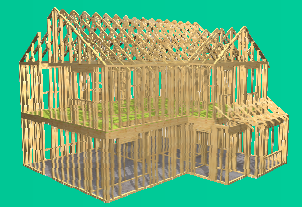


## Information from National House Builder

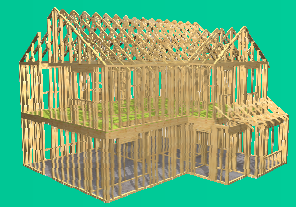
Medium sized 3 bedroomed house - direct cost comparison			
	Traditional	Ecojoist	Difference
<i>Joists</i>	£270.00	£490.00	£220.00
<i>Fixing</i>	£215.00	£145.00	-£70.00
<i>Drilling for services</i>	£65.00	£0.00	-£65.00
<i>metalwork fixings</i>	£30.00	£0.00	-£30.00
<i>Chipboard</i>	£230.00	£270.00	£40.00
<i>Surface run services</i>	£75.00	£0.00	-£75.00
	£885.00	£905.00	£20.00



# Ecojoist® Cost Savings



The Big Picture

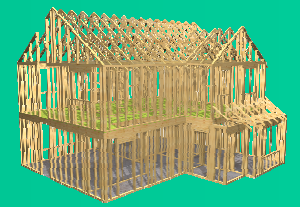


## Information from National House Builder

Medium sized 3 bedroomed house - early completion savings included				
	Traditional	Ecojoist	Difference	
Joists	£270.00	£490.00	£220.00	
Fixing	£215.00	£145.00	-£70.00	
Drilling for services	£65.00	£0.00	-£65.00	
metalwork fixings	£30.00	£0.00	-£30.00	
Chipboard	£230.00	£270.00	£40.00	
Surface run services	£75.00	£0.00	-£75.00	
Early completion savings	£0.00	-£241.94	-£241.94	
	£885.00	£663.06	-£221.94	

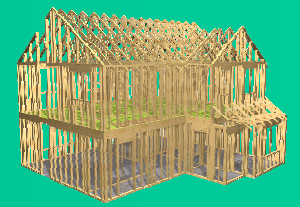
- Reduced maintenance
- Reduced installation time of 3/4 day leading to
- Savings on overall project duration and costs

# Ecojoist® Construction Details



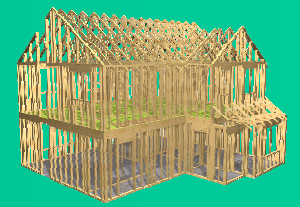


# Ecojoist® Construction Details

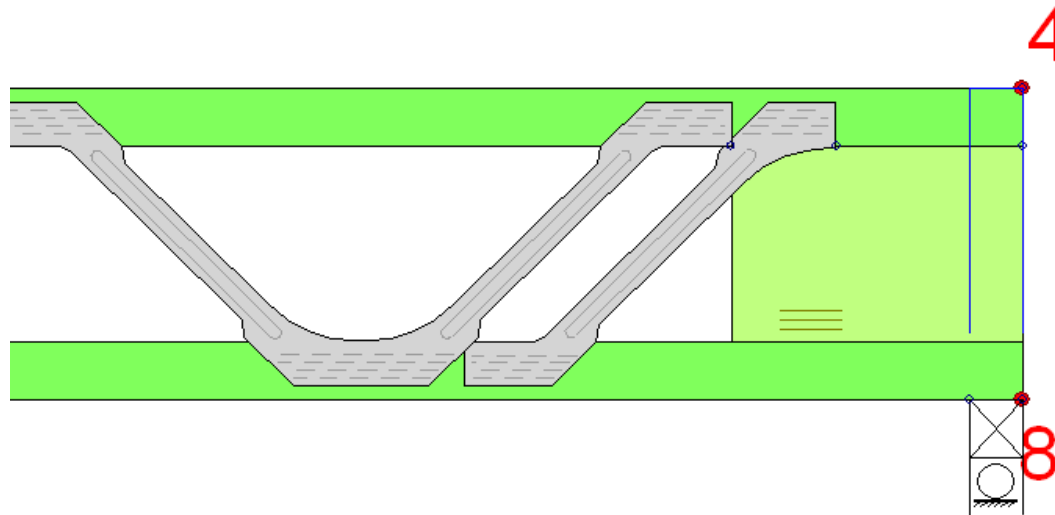
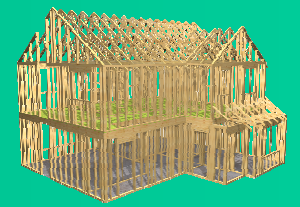




# Ecojoist® Construction Details



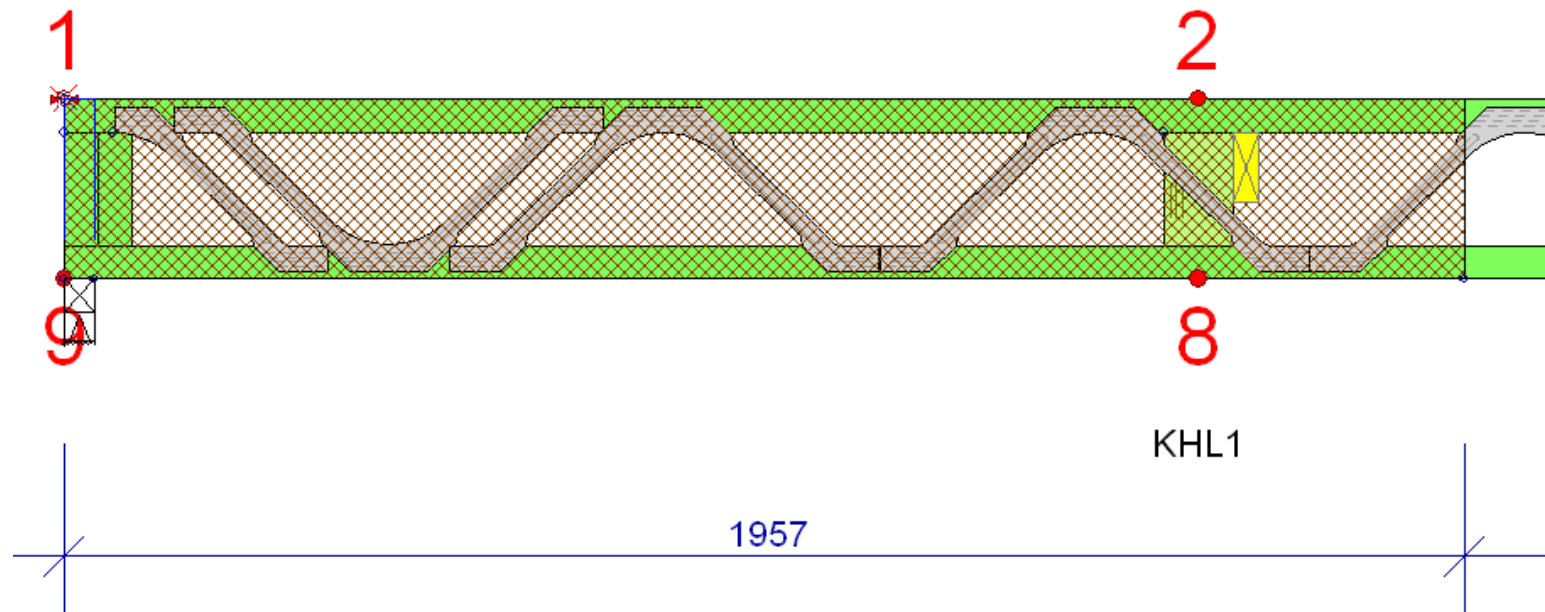
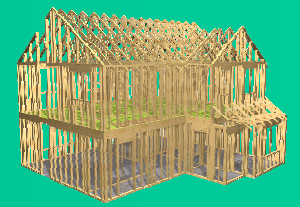
# Ecojoist® Construction Details



Adjustable End - Used where  
on site trimming is required

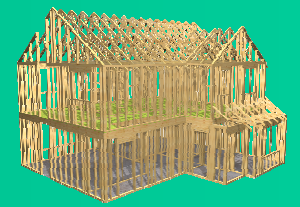


# Ecojoist® Construction Details



Plywood Gusset - Used to allow the fixing of hangers to support trimmers etc.

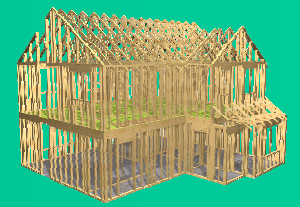
# Ecojoist® Construction Details



Strongback Bridging -  
For transverse stiffness

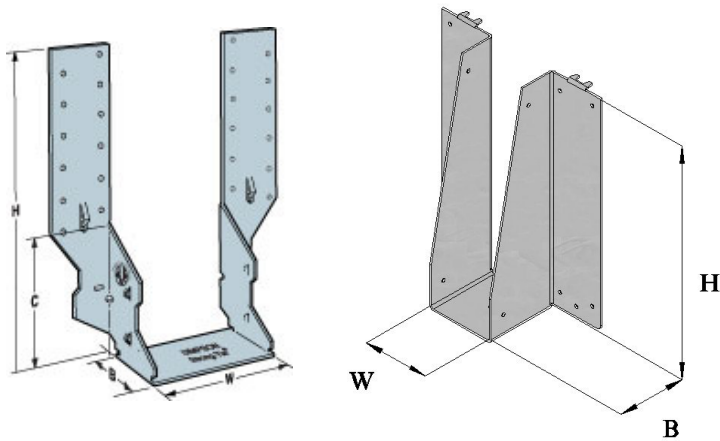
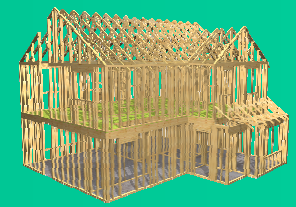


# Ecojoist® Construction Details

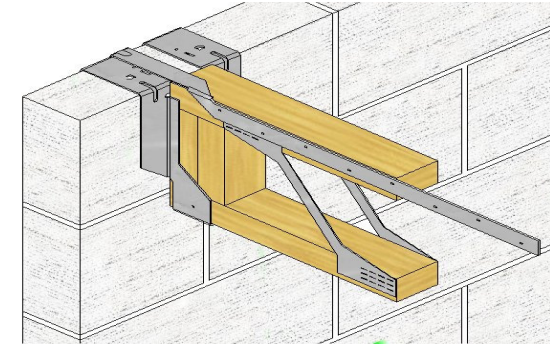
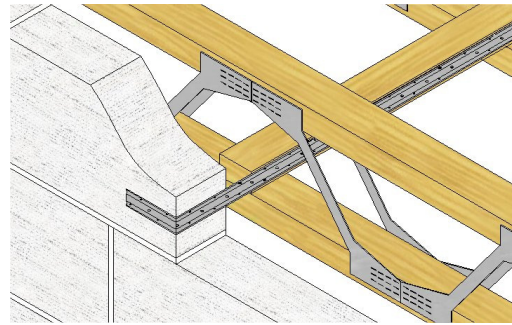




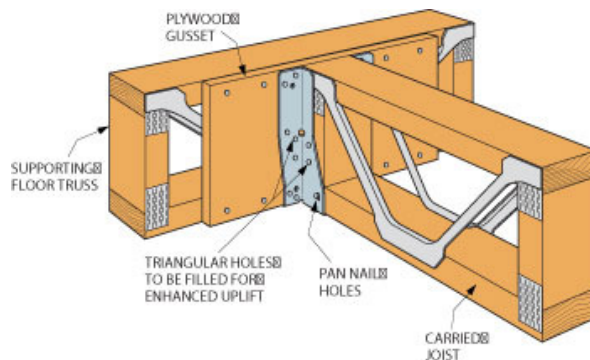
# Commonly used Metalwork



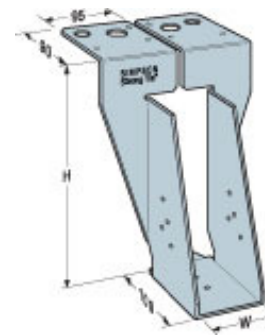
Timber to timber  
hangers



Restraint straps  
perpendicular and parallel

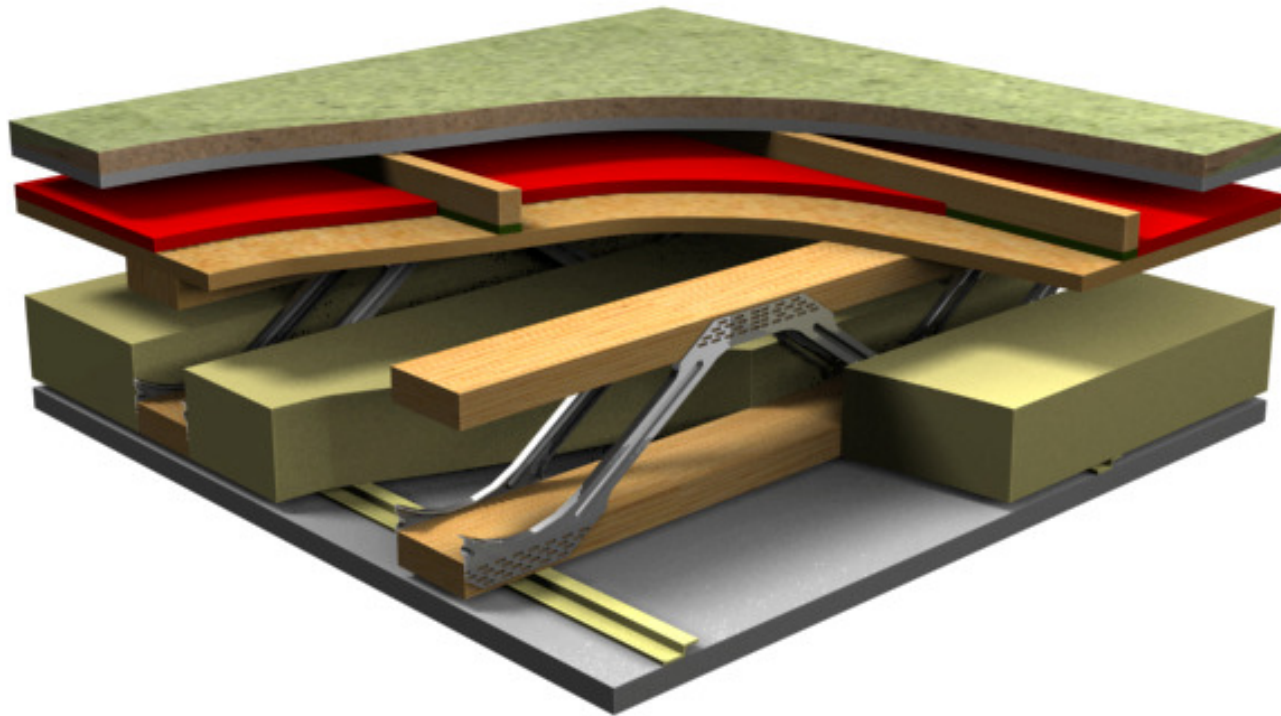
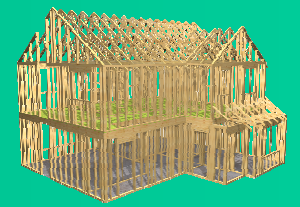


Face Fixed Hangers



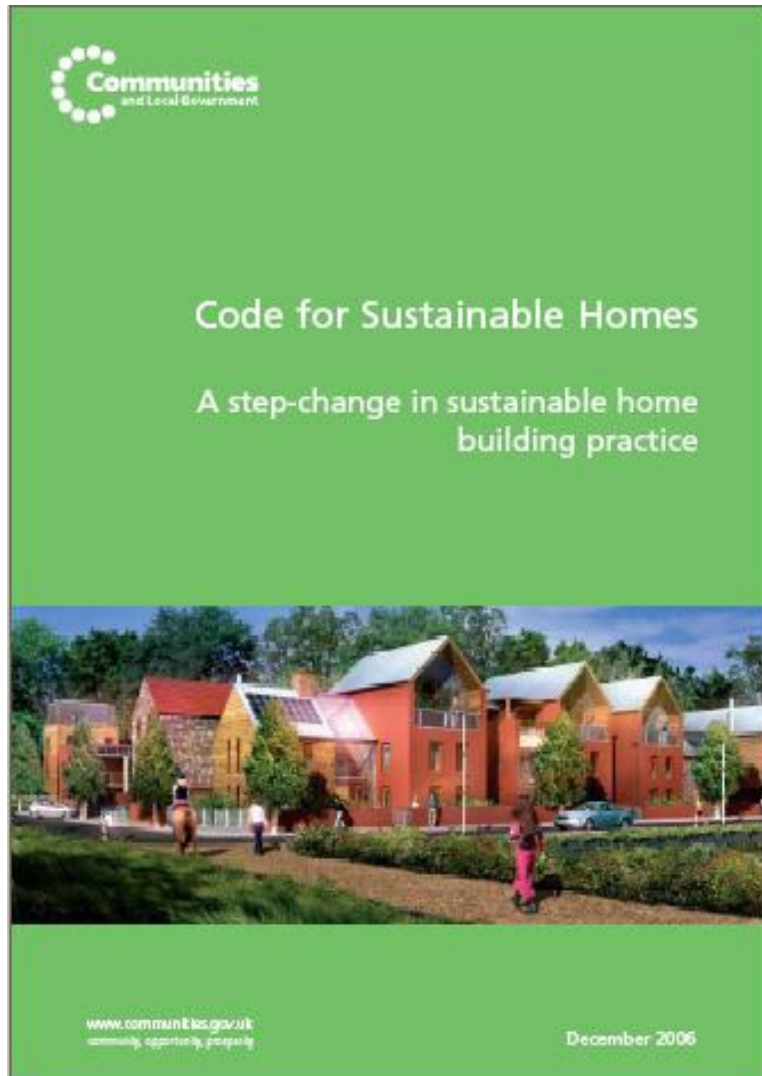
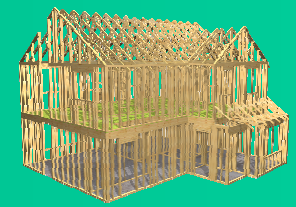
Masonry Hangers

# Sound



Robust Detail E-FT-3

# Code for Sustainable Homes

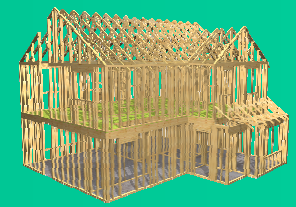


In the Sustainable Energy Act 2003 the Government set out its statutory aim to save 3.5 million tonnes of carbon from residential properties in England through energy efficiency measures by 2010.

For new properties the Code for Sustainable Homes promises a step change in sustainable building practice. With six levels of compliance being introduced from 2010 through to 2016, national builders and construction companies are looking at ways of introducing the new requirement within the design process without having to add in costly and timely solutions.



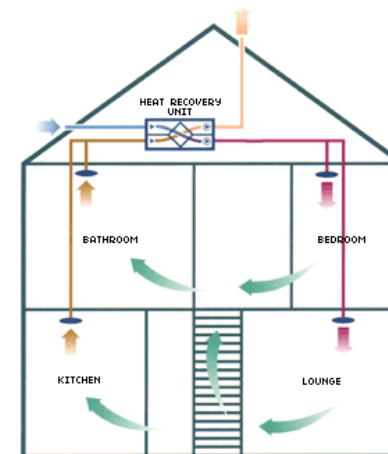
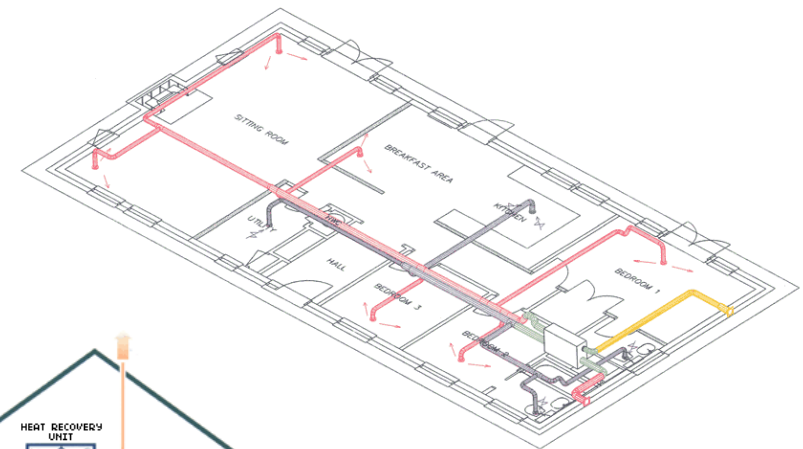
# Code for Sustainable Homes



## Mechanical Ventilation Heat Recovery (MVHR)

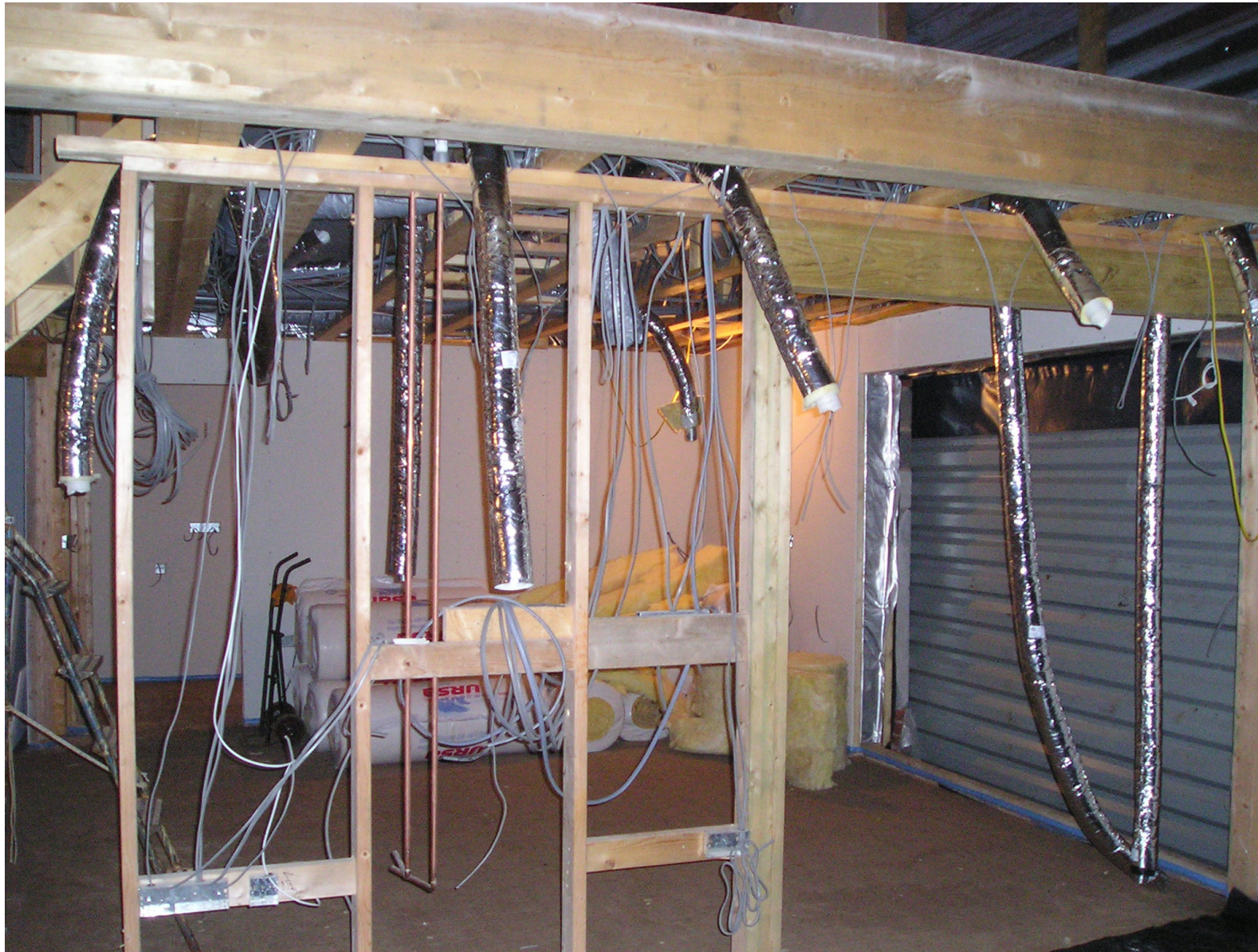
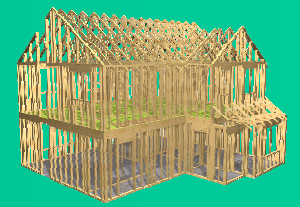


Ecojoist®  
integrated in floor  
design to simplify  
service zones for  
domestic services  
and mechanical  
ventilation heat  
recovery systems  
(MVHR).

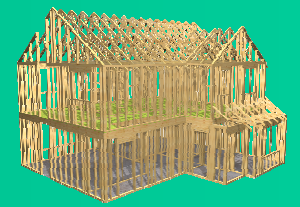




# Code for Sustainable Homes



# Ecojoist® Applications of Use



- ➔ Domestic Floors
- ➔ Compartment Floors
- ➔ Pitched Roofs
- ➔ Flat Roofs



# Ecojoist® Applications of Use

