

I - Do we really need more new houses ?



*£200,000 Houses for rent for the Holy Island of Lindisfarne  
Community Development Trust : 2005 - 2009*



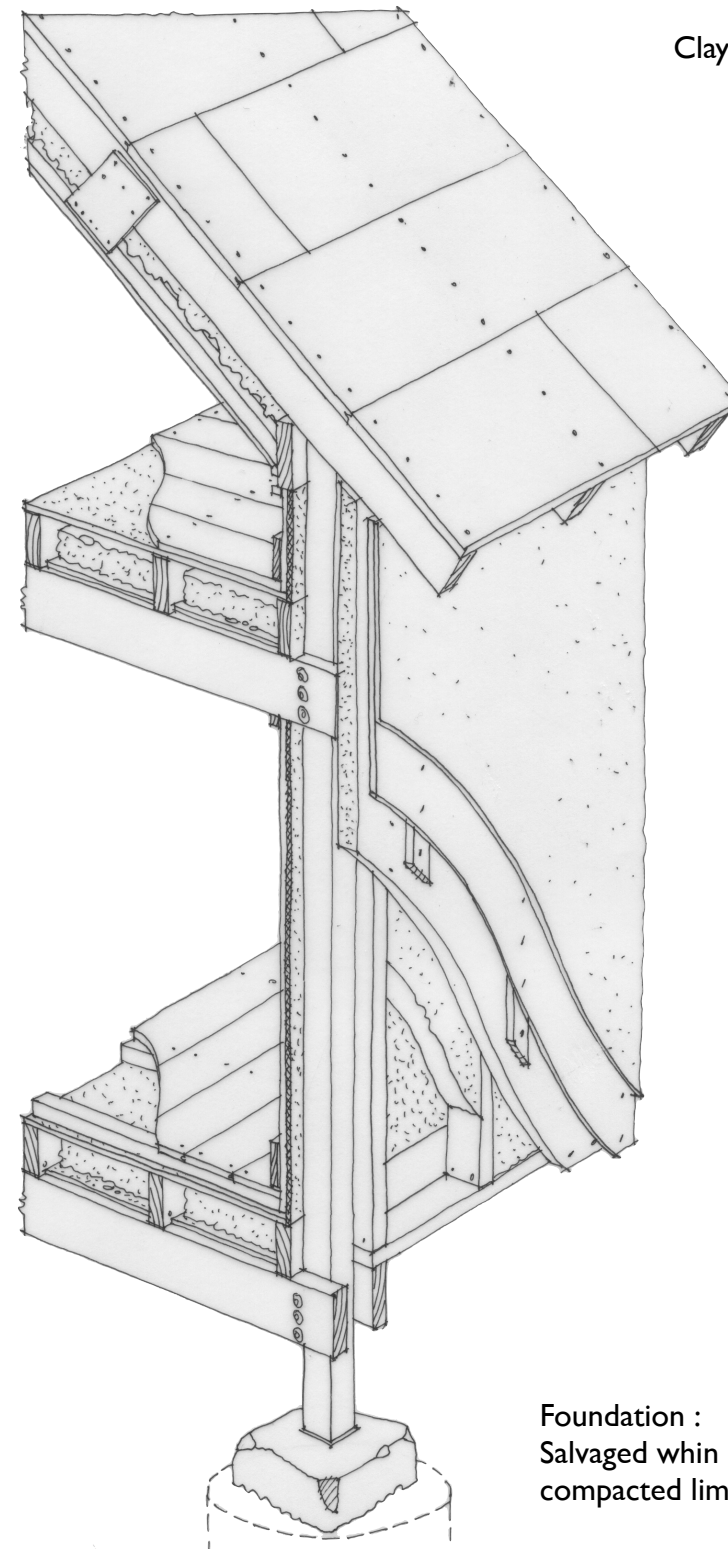
## 2 - The importance of lifestyle to sustainability & energy efficiency



*£60,000 first phase of an extendable family house near Holt, Norfolk  
Designed to be enlarged as the family grew - 2007 +*



3 - New houses should be beautiful,  
light-filled & sweet-smelling - as well  
as energy efficient !



Roof :  
Clay pantiles on battens & counter-battens  
on T&G wood-fibre sarking board  
on 150x50 rafters with 50x50 battens  
suspended on OSB patch plates to  
create 350mm depth for insulation.  
Foil-backed plasterboard ceiling

Walls :  
Render on 8mm calcium  
silicate board on battens  
on 60mm wood fibre board  
sheathing on 150x50 studs  
fully filled with cellulose  
fibre insulation.  
Internal lining of 12mm  
OSB & plasterboard

Floor :  
Floorboards on 50x50 cross-  
battens on 12mm OSB  
on 200x50 joists fully filled with  
cellulose fibre insulation. 12mm  
OSB soffit

#### PHASE 2 CONSTRUCTION

Foundation :  
Salvaged whin stone on  
compacted limecrete pad





## 4 - Materials & Building Performance

The importance of monitoring.

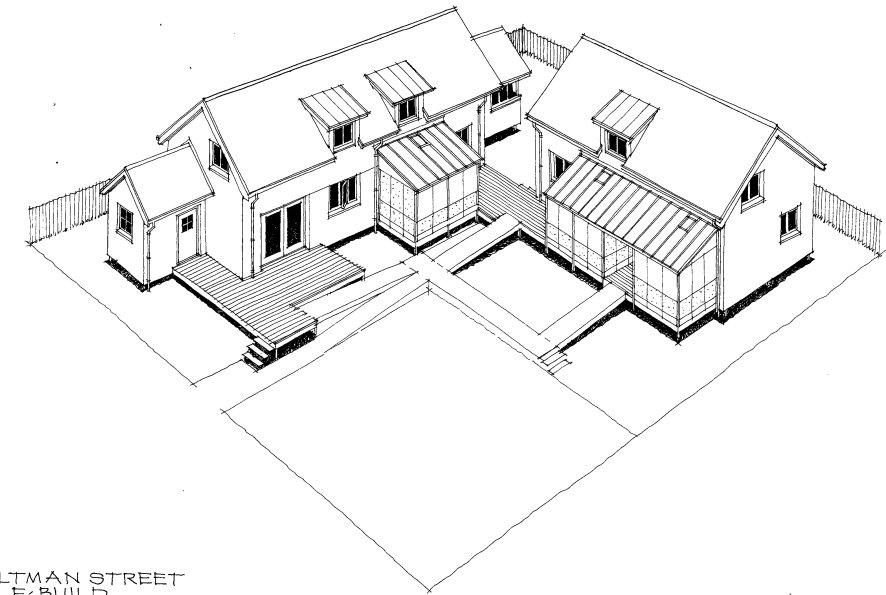
“Passivhaus”

Embodied Energy

*Benarty Self-Build,  
Ballingry, Fife 1995-1999*







COLTMAN STREET  
SELF-BUILD  
BIRD'S EYE VIEW

November 2017  
Drawg N2

5 - The Process :  
working with *Giroscope*  
- a charity based in Hull -  
to design their first new  
build housing after 35 years  
of renovating over 100  
existing properties. The new  
houses are intended to  
complement *Giroscope's*  
existing housing stock





# TIMBER FRAME SELF BUILD COURSE

at

Harehope Quarry, Frosterley, County Durham, DL13 2 SG

*from 9am Saturday 13th to 6pm Sunday 14th October 2018*



Following the self-build method pioneered by Walter Segal we will be assembling & erecting the frame of a 15m<sup>2</sup> building using UK grown softwood.

Harehope is a 21 acre former limestone quarry & the source of Frosterley Marble. It is the location of two Segal-inspired buildings plus a Strawbale workshop, which incorporate planted roofs, a ceramic stove, compost toilets & a reed bed system, it is a Permaculture LAND Centre & Environmental Education resource.

The cost of the Course includes practical instruction & guidance, sets of plans of the building & an evening talk on Saturday.

Lunches & an Evening Meal on Saturday will be provided

Camping space is available on site if required

**Fee per person £300**

Contact Duncan Roberts [dj@cornerpost.co.uk](mailto:djr@cornerpost.co.uk)