Duchy Homes - Barnsley Road, Penistone
Proposed construction specification to meet requirements of Part L 2013

	Construction specification
External wall	U=0.28 Stone outer, 50mm Xtratherm (or equal) partial fill in 100mm cavity, 100mm Plasmor Aglite, 12.5mm plasterboard on dabs
Garage wall	U=0.67 140mm Plasmor Aglite, 40mm Gyproc Thermaline Basic on dabs with skim
Ground floor	U=0.14 50mm screed, 120mm Celotex, on 100mm concrete slab/100mm Plasmor Aglit Ultima beam and block *or* Jetfloor Lo flooring system
Exposed floor	U=0.18 12.5mm plasterboard, 40mm Gyproc Thermaline Basic board, 200mm minera wool between floor joists (k=0.040), 22mm chipboard finish
Plane roof - insulated at ceiling level	U=0.10 200mm Mineral Wool between joists, 200mm mineral wooll cross laid over (k=0.040)
Doors	To achieve U=1.1 Wm^2K
Windows	**To achieve U=1.4 Wm^2K**
Air Pressure Test	Each dwelling air pressure tested to achieve 4m^3hm^2
Ventilation	Vent Axia dMEV Low Carbon Response (GF ducted through wall, FF ceiling fans)
Heating System	Ideal Logic + system boiler. Hot water cylinder with heat loss equivalent to Range Tribune - boiler sizing to be checked by plumber. Weather Compensator to all plots.
Heating Controls	Time and temperature zone control
Low energy lighting	100%
Thermal bridging	Calculated in SAP 2012 using Table K1 - based on the use of Accredited Construction Details and Plasmor calculated Psi values. Keystone standard lintel included