

Bonhams, Yapton – Phase 1

Initial Specification Rep

Part L1A of The Building Regulations (2016)

Job No	S1779
Revision	-
Issue Purpose	For Initial Comment
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Approved By	
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Disclaimer

This Report is based on information provided by third parties except for any assumptions made to gain compliance

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TABLE – PART L SPECIFICATION – BUILDING SERVICES

ELEMENT	U-VALUES (W/m ² K)	SPECIFICATION NOTES	INFORMATION SOURCE/REFERENCE
Ground Floor	0.10-0.11 W/m ² K	U-value calculated for each plot 150mm Xtratherm Thin-R XT/HRF	Section 5, Building Regs Notes
External Wall	0.20 W/m ² K	U-value calculated 135mm Cavity, 80mm Xtratherm Thin R XT/CWP	Section 6, Building Regs Notes
Dormer Walls	0.17 W/m ² K	U-value calculated 100mm Celotex between frame, 50mm to inside (Conductivity of insulation 0.022 W/m ² k)	From Drawings – House Type C3
Party Walls	0.00 W/m ² K	To be fully filled and sealed	Section 7, Building Regs Notes
Main Roof – Flat Ceiling Pitched Roof	0.11 W/m ² K	U-value calculated 400mm Mineral Wool between and over joists (Conductivity of insulation 0.044 W/m ² k)	Section 12, Building Regs Notes
Windows	1.4 W/m ² K	To include frame and glazing – manufacture to be made aware	Assumed (to help achieve Part L pass)
Front Doors	1.4 W/m ² K		Assumed (to help achieve Part L pass)
Air Permeability	5.0 m ³ /hm ² @50Pa	All plots to be tested	To achieve Part L SAP pass
Thermal Bridging		Xtratherm Insulation to be followed. Worksheets to be passed to site to follow.	

ELEMENT	PROPOSED DETAILS	FURTHER INFORMATION	INFORMATION SOURCE
Ventilation	System 1	Intermittent fans and trickle vents	Assumed
Heating Plot 1	Gas Boiler (Regular)	To be a minimum of 89% efficient (SEDBUK database)	System as Building Regs Notes Section 24 Boiler efficiency assumed. Boiler details T.B.C when known, as they may change the PV requirement.
Heating Plots 36-56	Gas Boiler (Combi)	To be a minimum of 89% efficient (SEDBUK database)	System as Building Regs Notes Section 24 Boiler efficiency assumed. Boiler details T.B.C when known, as they may change the PV requirement
Heating Controls	Zone Control	Dwellings to be divided into 2 heating zones, each with their own time and temp controls	Building Regs Notes Section 24.3
Heat Emitters	Radiators	Throughout	Assumed
Domestic Hot Water	Hot Water Cylinder	Where not combi boiler	Size T.B.C
Lighting	100% Low Energy	45 lumens per circuit watt required	Building Regs Notes Section 25.7
Renewable Energy	6 KWP	South East / South West Distribution/allocation to be confirmed	To meet planning requirements of 10% reduction by renewable energy