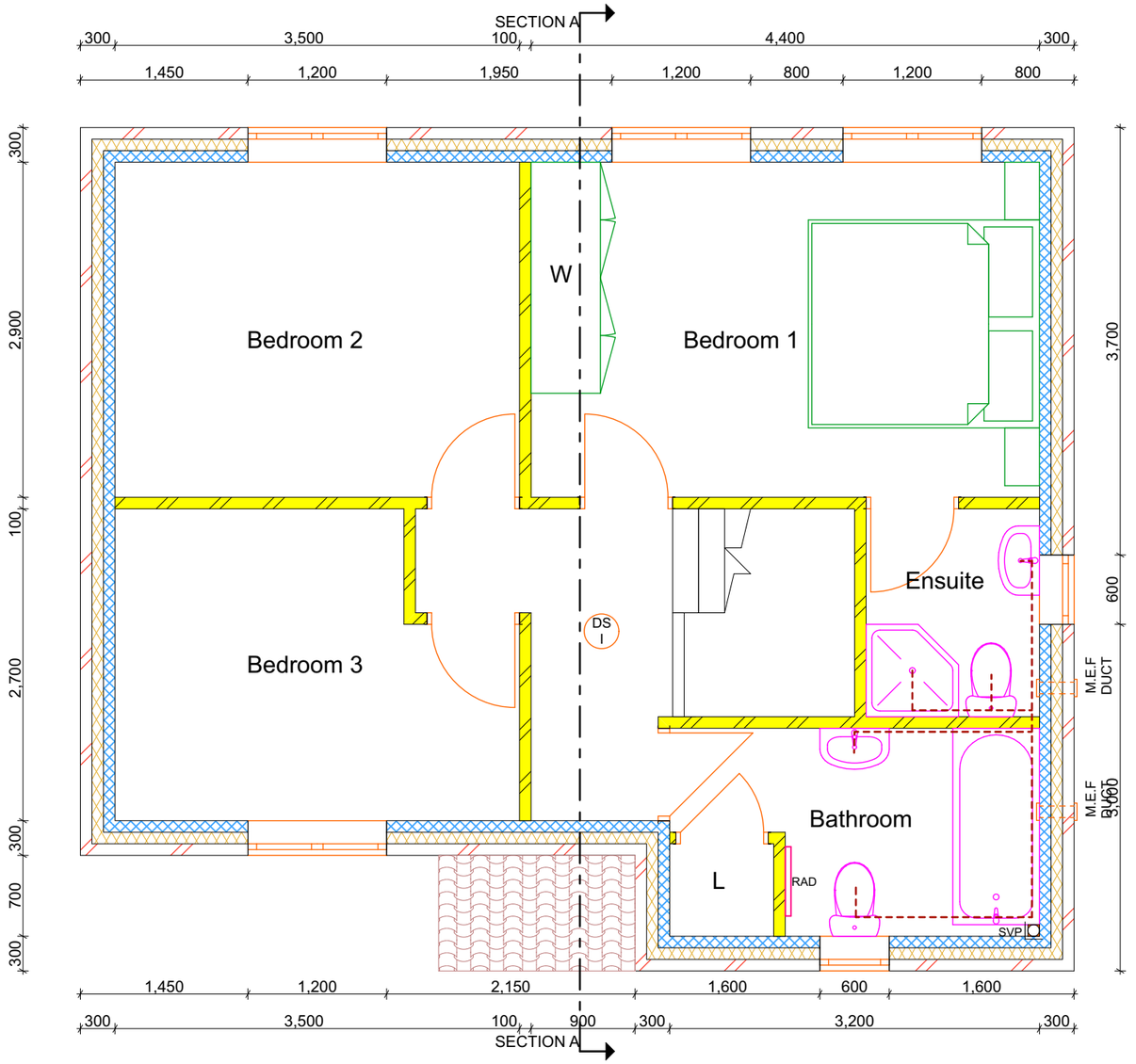
Roof Construction;
Proprietary roof tiles installed in accordance with BS5534 as approved by local Planning Authority on 25 x 38mm treated softwood battens on single layer bitumen impregnated roofing felt to BS 747. Felt to be a Vapour Permeable type e.g. Corovin 150. (Agreement Certificate No 8611603), or Tyvek HD PLUS breather membrane system.
To achieve a U Value of 0.145 w/sqm degk or better,

Pitched roof - Ceiling - 400mm joist spacing -
400mm ROCKWOOL (or similar) to be used to achieve a U Value of 0.11 wlsqm deg K insulation to be installed in accordance with manufacturer's literature of a method provided dependant on depth of joists, If a cold roof system to be used with the roof to be vented by the eaves and also at the ridge using a proprietary ventilation system by Marley or similar providing ventilation at caves equal to a continuous strip 25mm wide and at the ridge at least equal to a continuous strip 5mm wide. In accordance with A.D. F2 section I part 2.1-2.6 & as shown in diagram 7 (b).

Cavity Trays to be installed where roof abuts brickwork walls



FIRST FLOOR CONSTRUCTION: First Floor Structure to be TJI joists laid in accordance with manufacture's instruction. Underside of floor joists to be lined with 13mm thick plasterboard with a flat plastered finish. First floor finish to be composed of 22mm thick Tongue & Groove floor boarding. Provide 150mm Jabfloor 70 insulation or similar alternative between joists to achieve a "U"-value of 0.22w/m²K. Insulation to have minimum density of 10kgm^3 (150mm of Jabfloor 70 = 15kgm^3)

Internal stud wall partitions to be constructed of 100 x 50mm treated soft wood battens, with 12mm plasterboard and 5mm skim flat plastered finish. Install 67mm Rockwool Acoustic Partition Slab, or 100mm Rockwool Flexi Slab insulation, or similar alternative. NOTE: Sound insulation to the internal stud work walls should achieve a minimum mass per unit area of 10kg.m^3. Rockwool insulation is between 30-40 kg.m^3, in mass.

New cavity wall construction - (U-value of 0.25 w/m² degk or better). 100mm brickwork, 100mm full fill Dritherm 32 insulation, and 100mm Thermalite Aircrete Shield 3.6n insulation block with dry lined walls and plaster skim (or approved alternative to be agreed later). Wall ties should be spaced 900mm apart horizontally, and 450mm vertically. Please refer to Structural Engineer's drawings and details, for additional information that maybe specified.

BATHROOM / ENSUITE: Recommended extract ventilation rate to outside is required for the WC. The minimum intermittent extract rate should provide no less than 15 l/s m², via a wall mounted Mechanical Extract Fan ducted to outside air, in accordance with table 1.1a Approved Document F1 - Means of Ventilation (2006 Edition).
All plumbing appliances to discharge into external Soil Vent Pipe.

New proprietary opening windows & door to the choice of the client.

NOTE: Disposal of rainwater to be in accordance with BRE Digest 365.

NOTE: Heights of switches and sockets to be 450 - 1200mm above finished floor level.

0 1 2 3

1:50

Brian Nicholls Architects Ltd

	Proposed Unit on land to side of 1 Hastings Rd, Poole BH17 7JD	**Drawing:** Construction First Floor Plan	**DWG number:** 4324/21	**Scale: @A3** 1:50	**Revision:**	**Drawn by:** L. Evans	**Checked by:** Brian Nicholls

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