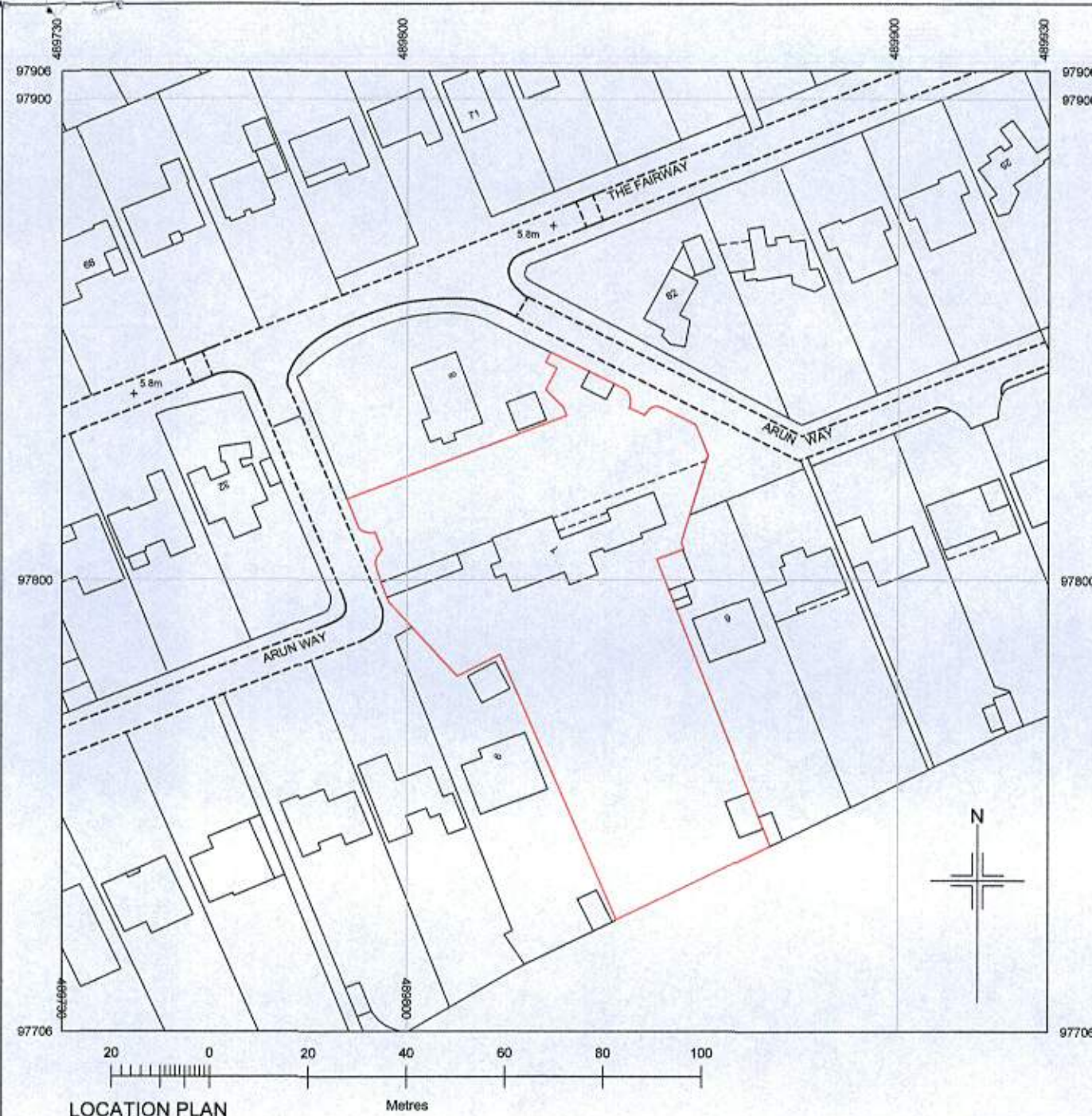




FOUNDATIONS Building Regulation A1/A2.

229 mm Walls, 2 x 7N solid concrete blocks minimum cover to foundations 1 m or to local authority requirements. Cavities to be filled with lean mix concrete to a minimum level of 225mm from DPC. Foundations concrete 1 : 3 : 6 20 mm Premix 600mm wide x 225mm deep. DPC to be 150mm above ground level. If any trees are within 30m of the foundation the foundation depth will need to be increased as this may affect the design.

SOLID GROUND FLOORS Building Regulation C4.

75mm sand and cement screed on 100mm concrete 1 : 4 : 2 Pre-mix on 1200 polythene DPM on 70 mm FF3070 Celotex floor insulation minimum U - Value of 0.22 W/m2K With T-Break TB3000 between screed and walls on 1200 polythene DPM on 25 mm sand blinding Toilet only, on 100 mm hard core, all voids and excavation to walls filled with hardcore. Provide A142 mesh within the bottom of concrete slab over drainage runs.

EXTERNAL WALLS Building Regulation A1/A2.

Outer skin to be 100mm concrete blocks and plastered to match existing house. Inner skin to be 100mm Toplite GTI blocks with 45mm CW3045 Celotex cavity insulation, minimum U - Value of 0.3 W/m2K in a minimum 50mm wide and a maximum of 95mm wide cavity including insulation. Wall ties to be stainless steel type 750 x 450mm c/c 225mm vertical spacing at reveals, insulated to prevent cold bridging. Fire stop to head of cavities.

LINTELS.

Reinforced concrete or steel to manufacturer's specification, 150 mm bearings either side. All installed to manufacturer's detail.

PLASTERING

Ceilings to be boarded with 12mm plasterboard and skimmed with plaster. Internal walls to be dry-lined with 12mm plasterboard. External walls to be plastered to match existing house.

ROOF Building Regulation A1/A2 and TRADA technology.

Concrete or clay tiles to match existing on wooden battens on reinforced roofing felt to BS747 on 50 x 150 mm C16 rafters (table 28) 50 x 200mm C16 ceiling joist, (table 8) 63 x 220mm C16 purlins (table 34) on 50 x 100 wall plates or to engineer's calculations, hold down straps every 2m run to wall plates.

FLAT ROOF A1/A2/B4 and TRADA technology.

Flat roof covering 3 layers of mineral felt with 12.5 depth bitumen bedded stone chippings Building Regulation Part B Table 5 Part iii: or fibreglass by specialist supplier (fibreglass specialist to provide fire rating specification) on 19mm marine ply on 125mm TD4125 Celotex Minimum U - Value 0.19 W/m2K, on sloped firings not less than 1 in 80 on 150 x 50mm joist C16 table 36 @ 400 c/c on 50 x 100mm wall plates, hold down straps every 2m run.

FLASHING Building Regulation C4. To be code 4 lead.

PLUMBER Hot water and central heating Building Regulations G3/J and L. Including Parts L1A and L1B April 2006.

The hot water and central heating system will be extended to include the new extension to comply with approved documents J & L, by a competent plumbing and heating engineer. All gas installations will be installed by a qualified CORGI gas engineer. Central Heating and Hot and Cold water in copper to BS864. Boiler replacement is to be Condensing type sufficient to provide heating and hot water to the whole of the property.

RAIN WATER Building Regulation H3 Table 2 100mm Gutter, 75mm down pipes discharging into 100mm Osma drains into soakaways 5m from buildings.

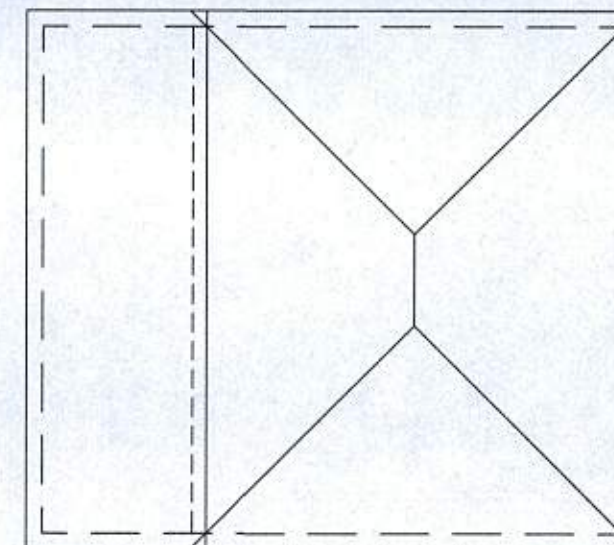
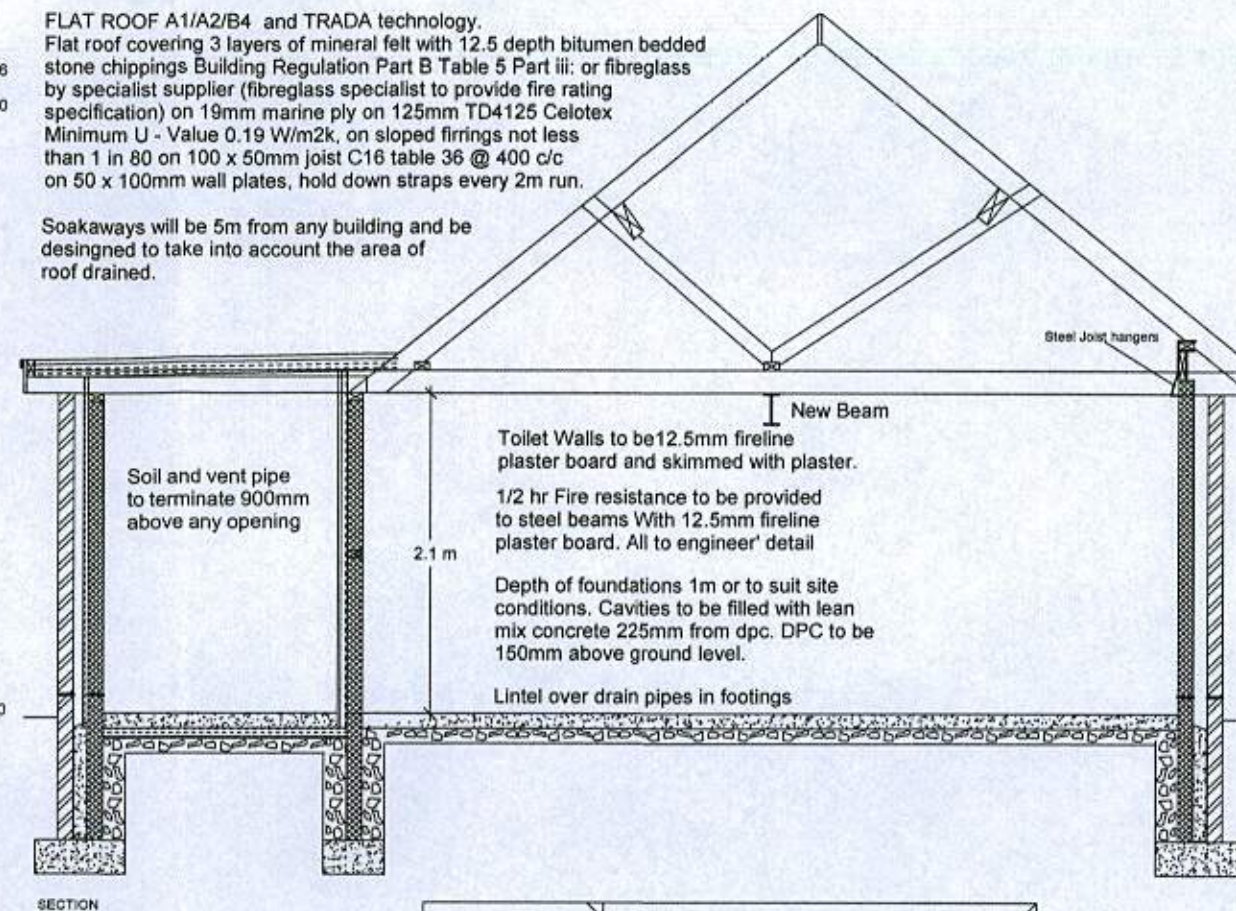
All underground drains to be Osma below ground type surrounded with pea shingle. All traps from sinks, baths and basins are to be deep seal 76 mm, showers 50 mm seal shower traps. Bath, shower and sink waste pipe to be 40 mm dia. basin waste to be 32 mm dia. access plugs where necessary, 110 mm pipe soil and vent pipe. Building Regulation H1

Smoke alarms, mains operated and interconnected, to be fitted to ground floor, Heat detector fitted in kitchen. Building Regulation B.

FLAT ROOF A1/A2/B4 and TRADA technology.

Flat roof covering 3 layers of mineral felt with 12.5 depth bitumen bedded stone chippings Building Regulation Part B Table 5 Part iii: or fibreglass by specialist supplier (fibreglass specialist to provide fire rating specification) on 19mm marine ply on 125mm TD4125 Celotex Minimum U - Value 0.19 W/m2K, on sloped firings not less than 1 in 80 on 100 x 50mm joist C16 table 36 @ 400 c/c on 50 x 100mm wall plates, hold down straps every 2m run.

Soakaways will be 5m from any building and be designed to take into account the area of roof drained.



INSULATION SCHEDULE TOILET

Ground floors Concrete slab P/A = .49 = 65mm GA4065 Celotex = 0.21 W/m2K, Celotex Tbreak TB4000 between screed/concrete and outside walls.

Cavity walls 90mm brick outside skin 100mm Toplite GTI inside skin 45mm CW4045 Celotex = 0.28 W/m2K.

Windows to achieve 'U' value of 1.6 W/m2K. Doors to achieve 'U' value of 1.8 W/m2K.

Flat roof space insulation 125mm TD4125 Celotex on top of joist = 0.19 W/m2K.

Ceiling level to achieve 'U' value of 0.16 W/m2K.

Do not scale from drawings (excepting Local Authorities)
All dimensions to be checked on site

All work to comply with Building Regulations, British Standards, manufacturer's instructions /specifications and engineer's calculations at all times. Construction must also comply with all safety at work regulations. Additional work may be requested by the building inspector as work proceeds to ensure the new building complies with all building regulations.

No	Change	Date	Int

BKM PLANS architectural plans and drawing service

Title:

7 Arun Way
Aldwick bay Estate
Aldwick Bognor Regis

Scale: 1:50 1:1250

Date: 2 nd August 2017

Drawn by:

Drawing 2 / 2

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