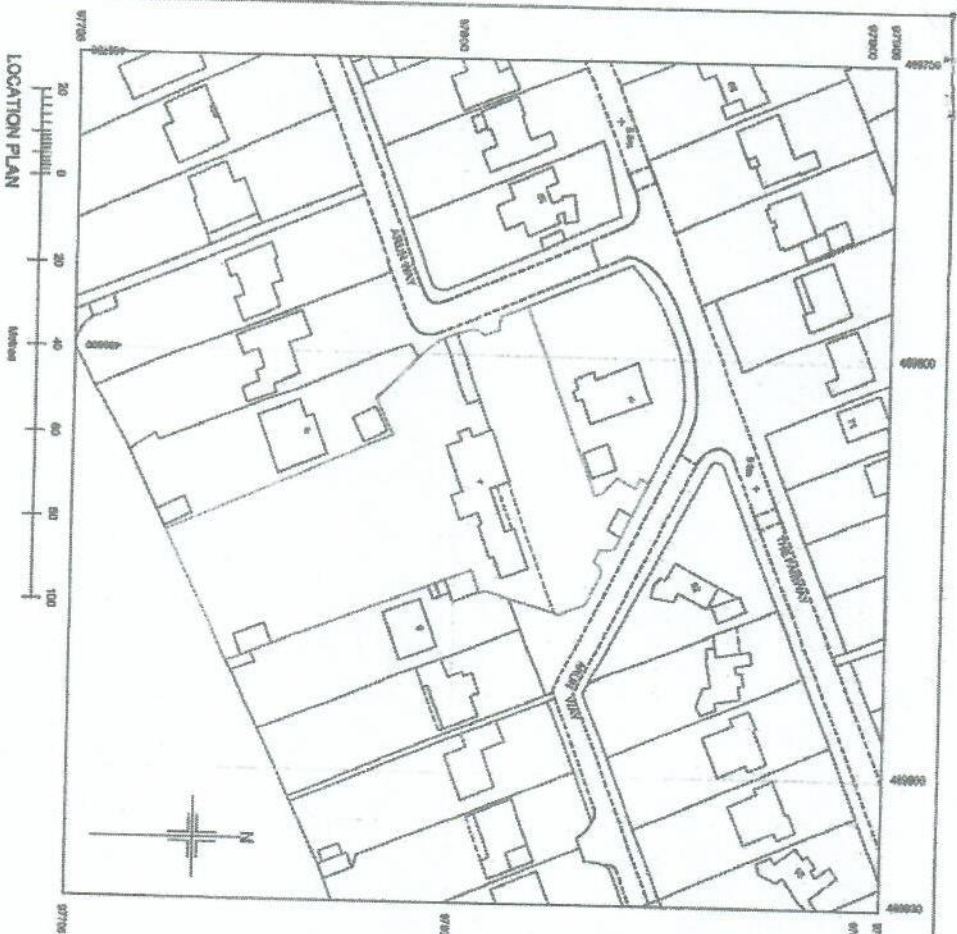




FOUNDATIONS Building Regulation A1/A2

225 mm (9 in.) local authority requirements. Cavities to be filled with lean mix concrete to a minimum level of 225 mm from DPC, foundations concrete to a minimum level of 225 mm above ground level. DPC to be 150 mm above ground level. If any trees are within 30 m of the foundation the foundation depth will need to be increased as this may affect the design.

SOLID GROUND FLOORS Building Foundation C4. 75mm sand and cement screed on 100mm concrete slabs. Concrete strength 1 : 4 : 2 (kg/m³) on 1200 polythene DPM on 75 mm TP3270 Celdek floor insulation minimum U_f value of 0.12 W/m² with 4.5mm Fibrak 2000 between screed and walls on 1200 polythene DPM on 25 mm sand blinding Tolly mix, on 100 mm sand core, as voids and penetration to walls filled with hardcore. Provide A142 mesh within the bottom concrete slab over drainage trays.

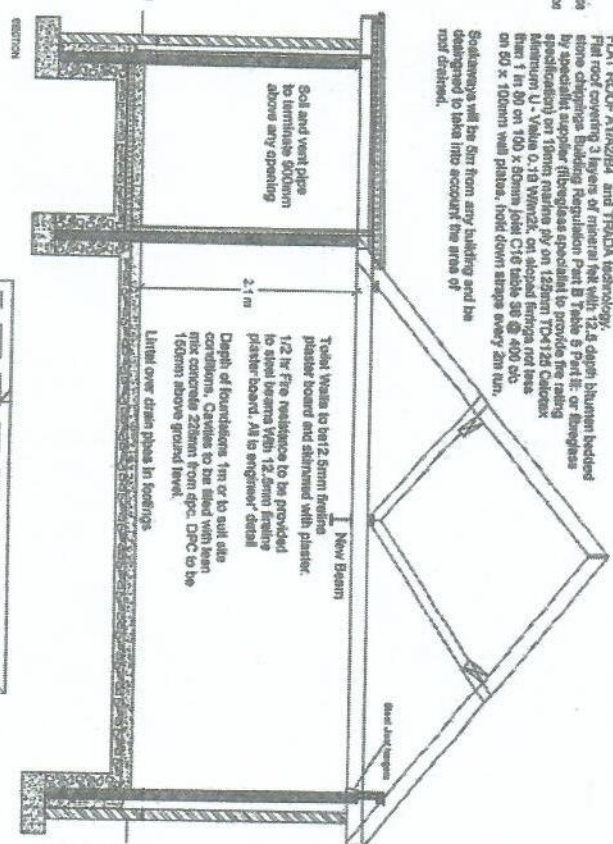
EXTERNAL WALLS Building Regulations A1/A2. Door skins to be 100mm concrete blocks and plastered to match existing masonry. Inner skin to be 100mm Triple G31 blocks with 45mm insulation. **WV04/05** Colours: early insulation, minimum U₀ - Value of 0.5 W/m². In a minimum 500mm wide and a maximum of 500mm wide cavity including insulation. Wall ties to be stainless steel type 750 x 45mm or 228mm vertical spacing at intervals, insulated to prevent cold bridging. Fire stop to be of 100mm concrete.

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

ASTERING
 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.

POLYMER LETTERS

Soakaways will be 500 mm from any building and be designed to take into account the area of roof drained.



INSULATION SCHEDULE TOILET

Ground floor Concrete slab F/A = .49 = 60mm
G44065 Celcex = 0.21 W/mq, Celcex Thermal
TB4002 between screed/concrete and outside
walls.

Cavity walls 90mm brick outside skin 100mm
 Toplight GTI inside skin 45mm CW4045
 Colorex = 0.28 W/m²K

Windows to achieve U value of 1.0 W/m²K.
Doors to achieve U value of 1.5 W/m²K.
Flat roof space insulation 125mm TD4129
Cavity on top of joist = 0.16 W/m²K.

Cooling level to achieve a 'J' value of 0.10 W/m²K.

Concrete slabs, rebar, rebar, and TPA technology. Concrete or clay tiles to match existing on wooden balustrade on reinforced roofing to BS7474 at 90 x 180 mm C16, infilling (table 28) 50 x 200 mm C16 ceiling plate, (table 9) 40 x 220 mm C16 ceiling plate (table 34) 60 x 100 mm plate or to right-angle calculation, hold down straps, every 2m run to wall plates.

FLAT ROOF AL142424 and TPA technology.

Flat roof covering 3 layers of mineral felt with 12.5 mm thick bitumen backed lime

[illegible]

The new water and control heating system will be extended to include the new extension to comply with updated documents J & L. A very competent planning and heating engineer, All project decisions will be initiated by a qualified COBRE gas engineer. Control Heating and Hot and Cold water in copper to BS594, boiler replacement is to be Conforming type sufficient to provide heating and hot water to the property.

discharging into 100-mm Corma drains into soakaways 5 m from buildings. All underground drains to be Corma below ground type surrounded with pea shingle. All traps from sinks, baths and bedrins are to be close seal 75 mm, discharges 50 mm.

single alarm, mains operated and interlocked, to be fitted to ground floor.

code, detector must in kitchen. Building Regulation B.

ELECTRICITY, Building Regulation Part P (Electrical Safety)

to comply with 7.1 (a.e., Venting Regulations, 19th Edition). Fit mechanical extractors to Bathrooms, Kitchens and Utility rooms to vent: 30 l/s (a.e.) adjacent to hob and 60 l/s (a.e.) elsewhere in kitchen. 30 l/s (a.e.) utility room, 15 l/s (a.e.) for bedrooms. All switches and sockets to be positioned between 450mm and 1200mm above floor level. Certificate to comply with BS7674 to be issued after completion of the work.

GLAZING Building Regulations Pt 1a, 1.1 Ventilation, N1 Glazing. Windows and doors to be double glazed with 16 mm separation low emissive glass to give maximum 2.0 U-value. New windows ventilation not less than 1/20 of room floor area and total net of windows, doors and rooflights not more than 25% of total floor area, glazed with a minimum 800mm² trickle ventilator to freeable room, set at room 400mm². All new external doors and joining windows to be glazed in sets of two, in an area 150mm high from bottom of glass and extend 500mm either side of door frame opening. All internal glass doors and screens to be in safety glass. All to be tested and supplied by FENSA approved installer.

Arthur Wray
Blackberry Estate
Black Bogynor Regis

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2 nd August 2017

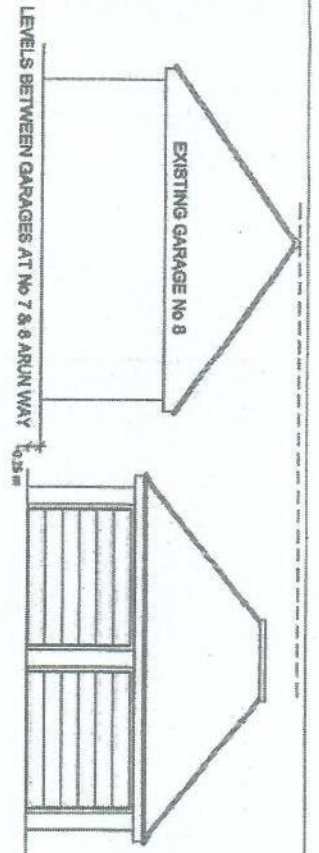
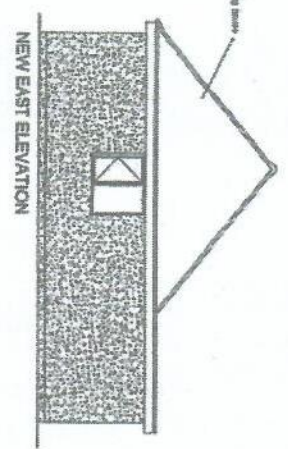
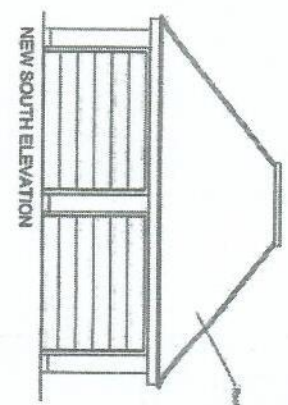
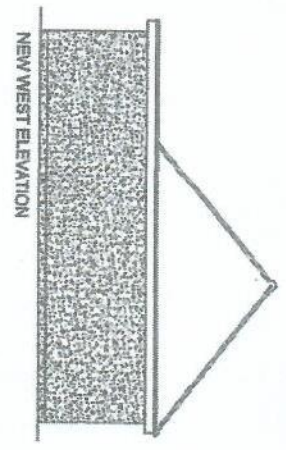
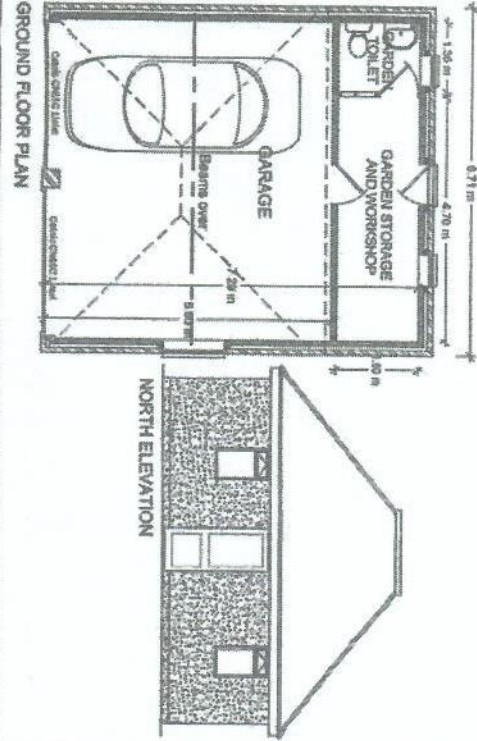
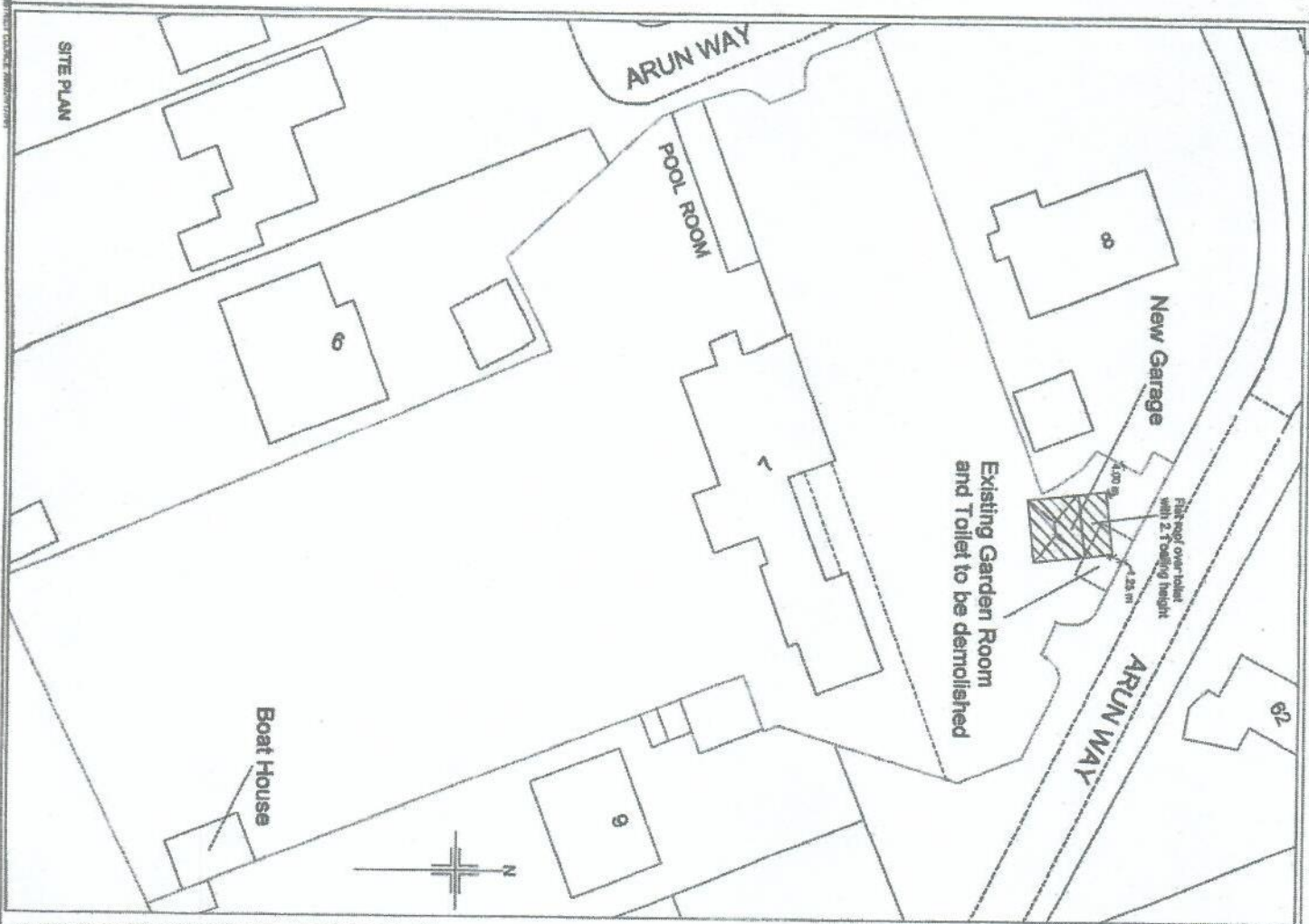
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may not

CONCLUSION



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 at all times. Consideration 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.		
Mr	Design	Date
	1000 Boundary College	3 June 2016
BKM PLANS architectural plans and drawing service		
Title New Garage 7 Arun Way Aldwick, Bay Estate Aldwick, Bognor Regis		
Scale:	1:100	1:200
Date:	2nd August 2017	
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Drawing 1/2		
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