

View of new roof at level of joists  
New woodwork shown Yellow

New 100 mm X 50 mm Softwood wall plate plates on all of the inner roof of the new outer walls. Plate to be secured to walls using appropriate metal straps spaced at 1 metre centres

New 100 mm X 47 mm Softwood binder overlapping and nailed to existing binder

New 100 mm X 47 mm Softwood joists at 450 mm between centres

Existing short timber plate carrying the end of an existing purlin support strut to be replaced by a new 100 mm X 50 mm plate running along the length of the existing and new internal load bearing wall. Plate is to carry end of existing and new purlin support struts. Plate to be nailed to all the new and existing joists.

Load bearing walls taken up in roof space to underside of rafters

Insulated hatch giving access to roof space above bathroom

New 100 mm X 47 mm Softwood joists at 450 mm between centres

New 200 mm X 47 mm softwood beam carrying extended ends of existing joists and new joists all in appropriate metal hangers

Universal beam 126 mm X 102 mm X 3.70 metres long to BS4-1 200's fitted with side and top timber plates resting on a suitable pad stone on load bearing wall end and on Universal Beam over Lounge and Bedroom doorways

Existing binder trimmed to length and carried in a suitable bracket mounted on wooden cheeks on Universal beam

Existing timber plate nailed to existing joists carrying ends of existing purlin support struts

# PROPOSED REAR AND SIDE EXTENSION AND INTERNAL ALTERATIONS TO BUNGALOW AT 23 BERNINA AVENUE WATERLOOVILLE

Drawing No. AP/23/1 Sheet 4 of 10 Sheets Issue: 1

Drawn by and Copyright of A. R. Pegley Date: 28 January 2018

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Scale (this sheet): 1:60 unless otherwise stated: Dimensions in Metres