

**Fritch Plate
Details**

01/06/25

Sussex Lodge

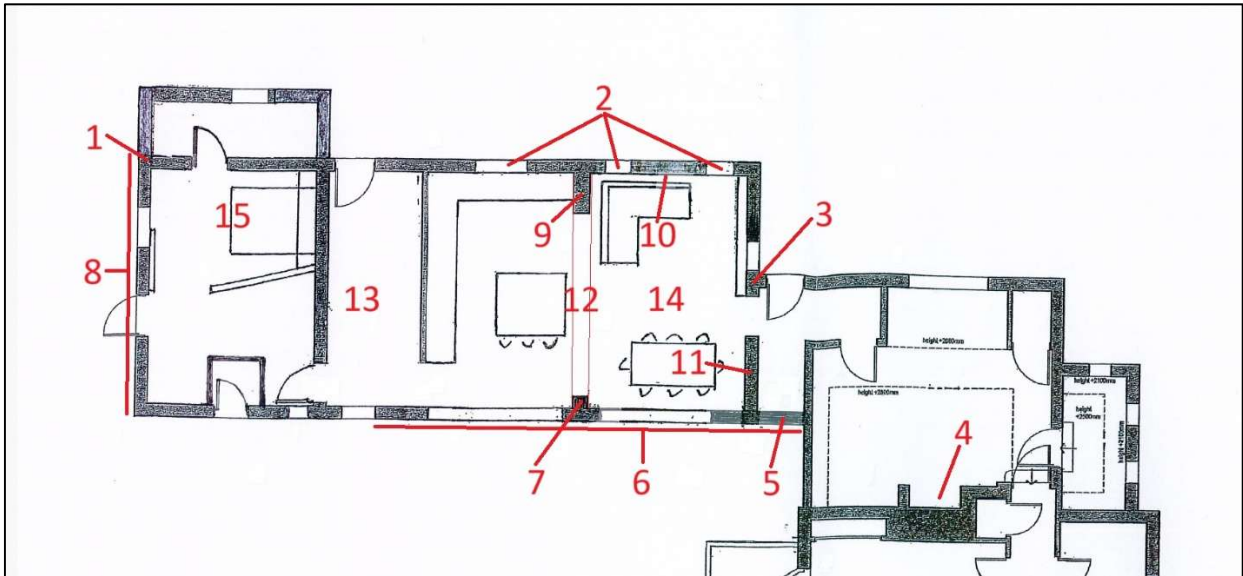
Sussex Lane

Spencers Wood

RG7 1BY

1. Introduction

These details relate to the provision of flitch plates in location '12' below.



2. Scope of Works

The structural engineer reviewing the works, requires the existing timber beam in location '12' to be reinforced in order for it to be considered to support the roof safely within the habitable space.

These details relate solely to the reinforcement work associated with the beam.

2.2 Enabling Works, Hoarding and Gates

All necessary precautions will be taken to protect existing materials being retained and re-used.

3. Construction Details

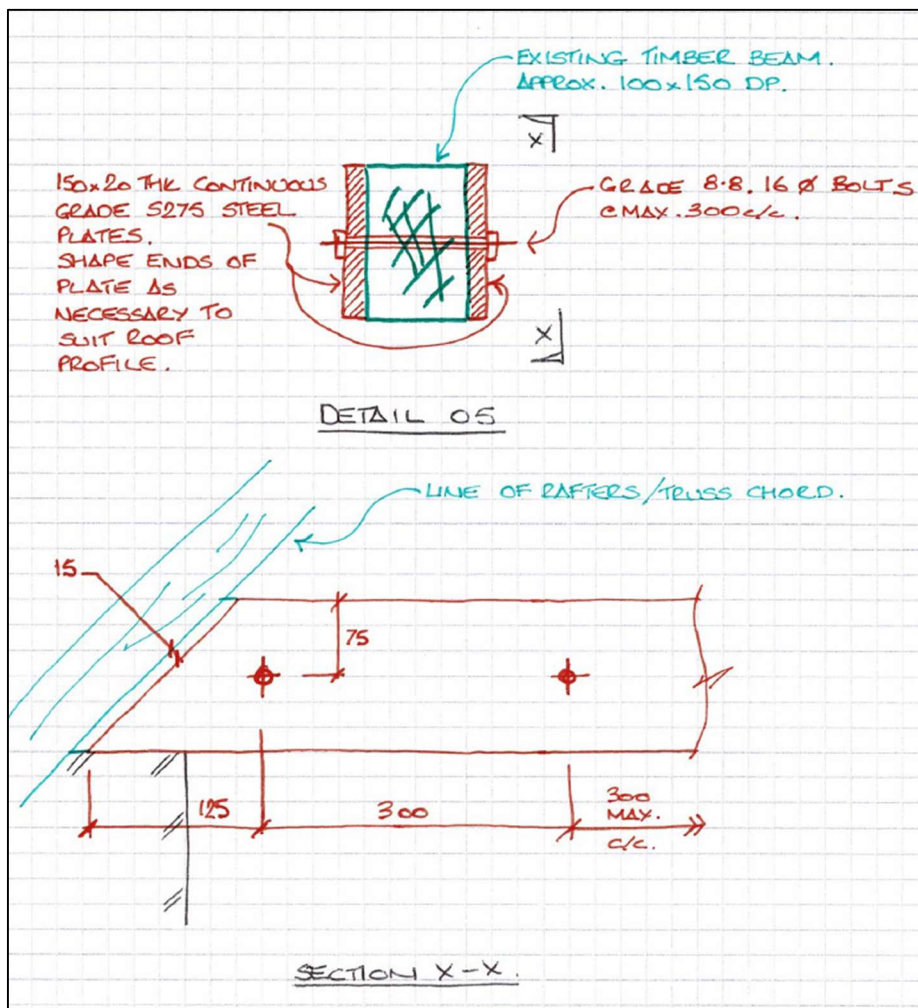
The existing timber beam spanning from east to west is fundamental to the roof structure, however its structural integrity cannot be guaranteed. The structural engineer's solution requires steel flitch plates to be bolted either side of this beam to provide the necessary supports, as per the below design drawings.

These plates will be made from 20mm thick, 150mm high unfinished steel, bolted through the timber beam every 300mm.

The plates and bolts will be left exposed.

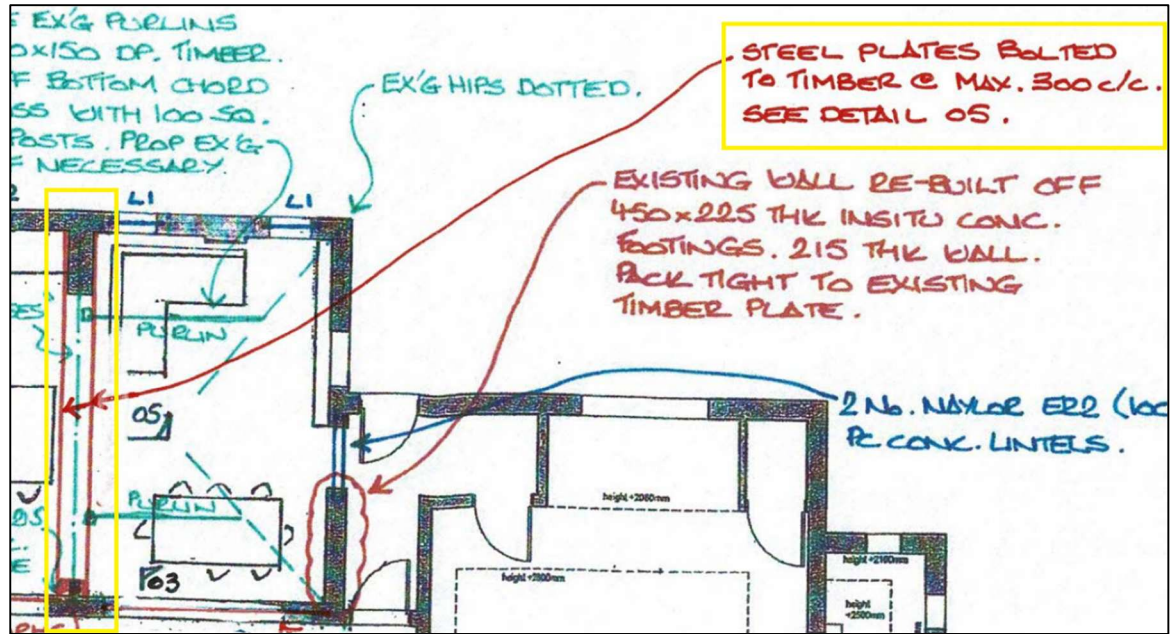


The red line on the photo above indicates the position and shape of the northern flitch plate. The other plate will be the same shape on the southern side of the beam.



Detail 05 – Shows a section through the beam and flitch plates

Section x-x – Shows the eastern end of the flitch plate and how it will interact with the rafters and wall - as viewed from the north (ie the left hand end of the photo above)



Highlighted yellow – the details of the flitch plates as identified on the engineer's designs.