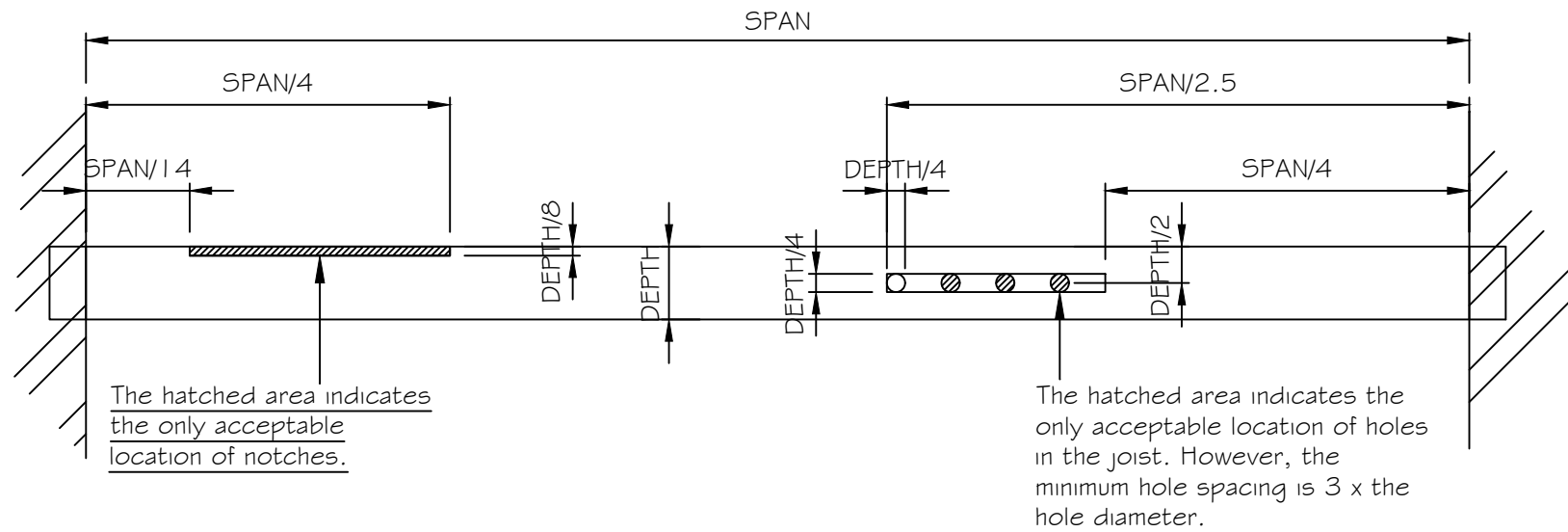


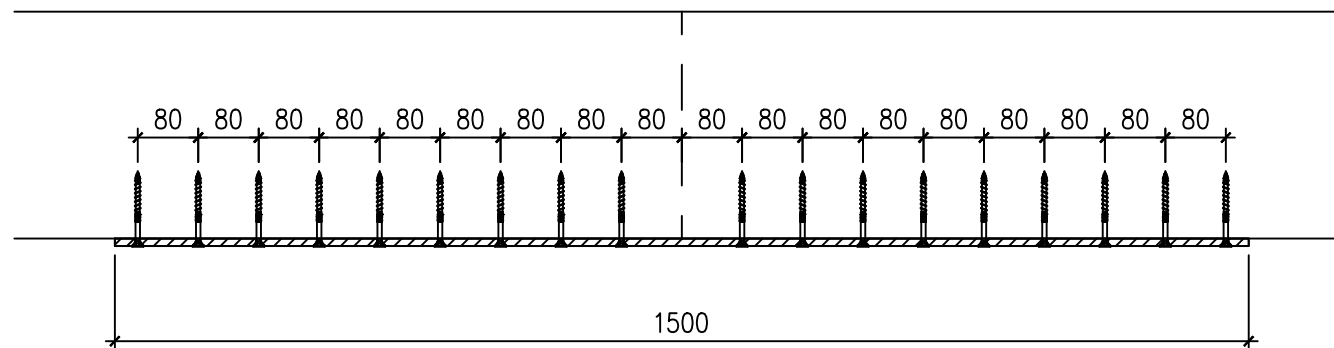
The diagram below indicates the acceptable setting out and sizes of notches and holes in timber joists. The positioning of the notches and holes are indicated as a function of the clear span and the size of the holes or notches are indicated as a function of the joist depth. the diagram is based on the LABC approved setting out of notches and holes in timber joists.



JOIST NOTCHING DIAGRAM 1:20

IF THERE IS ANY DOUBT OR CONFUSION CONTACT THE ENGINEER.

New 150x10 thick steel plate x 1500 long with 72No predrilled holes for M8 countersunk woodscrews set out in 4 rows as indicated. The plate is to be fitted to the underside of the timber beam and the holes are to be predrilled in the timber. The steel plate is to be positioned with the damaged timber section at its centre as indicated.



EXISTING TIMBER BEAM REPAIR DETAIL

New steel lintel (type to be determined) installed about the existing window head as indicated with plate supporting the outer face of the existing masonry.

Existing floor joists can either be kept in the same position and hunched between the new floor joists using metal straps. Alternatively they existing floor joists can be lifted and supported off the back of the steel lintel using suitable joist hangers as the new floor joists are.

New floor joists supported via suitable joist hangers mounted on timber fillet bolted between the flanges of the new steel lintel. For different lintel types this detail will be updated.

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER PROJECT DOCUMENTS AND ANY DISCREPANCIES ARE TO BE REPORTED TO THE ENGINEER BEFORE ANY WORK PROGRESSES.

CDM 2015 NOTE:

THIS DRAWING CONTAINS NO UNIQUE, IDENTIFIED OR FORESEEABLE HAZARDS AND OR RISKS THAT A COMPETENT CONTRACTOR WOULDN'T FORESEE OR ENVISAGE.

THIS DRAWING IS ONLY ISSUED FOR USE BY A LEGALLY COMPETENT CONTRACTOR.

FOR DOMESTIC CLIENTS THE CONTRACTOR IS RESPONSIBLE FOR UNDERTAKING ALL THE CLIENT DUTIES AS STIPULATED UNDER THE CDM REGULATIONS 2015.

33, Thomas Street,
Manchester.

Structural Details
Sheet 2.

J-22119-004 rev



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