Existing lintel is assumed to be min. 100W x 215dp PCC lintel. If lintel is found less on site, contractor to replace existing lintel with 100W x 215dp PCC lintel, min. 150mm end bearing each end.

Steel beam to have min. 250mm end bearing onto PCC lintel spreader

Existing stair void to be infill with loose carpentry work. Install new loft floor joists to suit ceiling joists. Ceiling joists to be screwed to the new loft floor joists using 5 dia x min. 80mm long woodscrews at 200 ctrs

Typically [TJ] supported off steel beam on joist hangers. Use Simpson Stronge-Tie Type JHA270 hanger (wrap over beam) with SWL= 5.5kN typically, or similar approved.
Timber plates bolted to beam web using 2No. M12 bolts spaced at max 200mm centres either side of trimmers [TJ] Plate to bear onto bottom flange.

SCALE BAR FOR ALL 1:50 DETAILS

0m 5m

[FJ] - 50x200 C24 at max 400 ctrs

[DJ] - 2No. 50x200 C24

[TJ] - 3No. 50x200 C24 bolted together using M12 bolts and 50mm dia wash plate at 800 ctrs

[LFB1]/[LFB3]/[FLB4] - 152x152x37 UC, bolted to adjacent beams using 4No. M16 (8.8) bolts via 8thk welded end plate

[LFB2] /[LFB6]/[LFB7]/[LFB8] - 254x254x107 UC. Contact HMC for splice detail if required. See Section G-G for typical bearing detail

[LFB5] - 2No. 50x200 C24 well spiked together to support the ashlar wall and loft floor joists as shown on plan

[L1]/[L2]/[L3]/[L4] - 152x89x16 UB to bridge over existing lintel

PS1 - 100w x 250L x 10thk bearing plate onto existing sound masonry wall

PS2 - 100w x 215dp x min. 550 Long PCC lintel as spreader on existing sound masonry wall

PS3 - 100w x 215dp x min. 850 Long PCC lintel as spreader on existing sound masonry wall

PS4 - 200mm end bearing onto existing sound masonry wall

PS5 - 330mm end bearing onto existing sound masonry wall

PS6 - 250mm end bearing onto existing sound masonry wall

Proposed First Floor Plan Showing Structure Over 1:50

NOTES

1. Do not scale from this drawing. Use figured dimensions only. Unless noted otherwise, dimensions are in millimeters.
2. For other general notes see 1375/302
3. Refer to 1375/306 for sections

ISSUED FOR BUILDING REGULATIONS

Original drawing size A3

Rev	Date	Description

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Project:	Old Barn House, Hoe Lane, Flansham
Drawing No.:	1375/304
Drawing Title:	Proposed First Floor Plan Showing Structure Over
By:	DMZ
Date:	January 21