



Steelwork sub-contractor
to carry out full site
measure/survey prior to
fabrication of any items

1. Provide temporary propping at the level where the new beam is to be introduced. This propping is likely to involve Acrows, Acrows with Strongboys or 'Needle Stitching' Methods. Where the New proposed beam supports a wall above ensure the wall above is propped. Where the new steel beam supports floor or roof above ensure the floor or roof is propped on both sides of the proposed beam.
2. Along the top and bottom of the props ensure that spreaders are used to provide adequate spread of the prop loads. If the propping is on top of a suspended floor structure, then it may be necessary to install 'back propping' at the level below to ensure that the floor/s are not overloaded. The aim of the 'back-propping' is to effectively spread the prop loads over multiple floor levels.
3. If the proposed beams are intended to carry existing beams, then the existing beams will also need to be propped temporarily. If the existing beam/s need to be cut out locally to facilitate the installation of the new beams, then the existing beam/s will need to be propped at both sides of the proposed cut line.
4. When all the propping is in place and is secure and stable, carefully dismantle the structure which is required to be taken out.
5. Insert the proposed new structure and 'bed-in' as necessary. Any gaps between old and new to be packed with steel shims or slate pack with non-shrink grout.
6. Following the installation of the new structure, and once all packing/filling grout is properly set, remove the temporary props.

Steel beams refer to plans

215 Dp conc padstone

Holes provided in the top flange to allow holes to be drilled vertically into the padstone with the beam in place

215 Dp conc padstone

Typical details of beam

Typical details of beam bearings on padstones

REV	DATE		BY	DETAILS OF REVISION	
ARCHITECT / CLIENT JULIE LINDER					
PROJECT INTERNAL ALTERATION AT 12 BLACKWIN STREET MANCHESTER					
TITLE PART GROUND FLOOR PLAN SHOWING STRUCTURE OVER				DRAWN BY P.L DATE 18.06.21 SCALE NOTED	
PROJECT NO. HC-21388--(60)-01				REVISION	
 HEALEY consulting structural engineering consultants HEALEY CONSULTING Brunel House 63 Dale Street Milnrow Rochdale OL16 3NJ Tel: 01706 343961 Fax: 01706 343981 email: office@healeyconsulting.co.uk copyright: Healey Consulting					

DO NOT SCALE FROM THIS DRAWING. USE GIVEN DIMENSIONS ONLY. ALL DIMENSIONS ARE TO BE CHECKED ON SITE BY THE CONTRACTOR. ANY DIMENSIONAL DISCREPANCIES TO BE REPORTED BACK TO HEALEY CONSULTING PRIOR TO PROCEEDING WITH CONSTRUCTION