

Notes:

1. ALL LEVELS AND DIMENSIONS TO BE CHECKED ON SITE.
2. THIS DRAWING TO BE READ IN CONJUNCTION WITH SPECIFICATIONS & ALL OTHER CONSULTANTS DRAWINGS.
3. ALL DIMENSIONS AND LEVELS ARE TO BE VERIFIED ON SITE BY THE CONTRACTOR BEFORE COMMENCING ANY WORK.

Project:

Rear Extension - 44 The Dale

Title:

PROPOSED PLANS SHOWING STRUCTURE

Scale:	1:100
Drawn By:	JB
Approved:	N/A
Date Drawn:	04/07/26
Revisions:	Rev A

LEGEND

- Thick pale red line shows horizontal steels.
- Thin red line shows existing wall load transfer from existing building to new steels.

Proposed Structural Steel Arrangement

The drawing illustrates the proposed structural strategy for supporting the retained external walls following the formation of the new open-plan kitchen and dining area. The horizontal steel members are identified by the thick pale-red lines.

Two goalpost steel frames are proposed. The first would support the retained inner external wall forming the existing dogleg, while the second would support the outermost external wall of the existing property. A connecting steel beam would span between these frames to support the retained wall where the two parts of the dogleg meet, creating a continuous and coordinated load path through the new steelwork.

Where structurally and practically feasible, the client would prefer the steel columns or nibs to be recessed within the wall construction to minimise their visual impact and maintain clean internal wall lines. The viability of this arrangement will depend upon the structural engineer's calculations, the required bearing and connection details, and the available wall thickness.

A further steel beam is proposed above the Crittall-style doors. This beam would bear onto suitable engineering brickwork or structural padstones at each end and would support the masonry and eaves construction above the opening.

The arrangement shown is indicative only. The final steel sizes, bearings, connections, foundations, padstones and fire-protection requirements will be specified by a suitably qualified structural engineer and addressed through the Building Regulations process.

