



- NOTES**
- This drawing is to be read in conjunction with all relevant Architects and Engineers drawings.
  - All steelwork is to be supplied in Grade 275 steel and is to be blast cleaned to Sa 2.5 standard (85% clean steel 5% stable rust) and is to receive one coat of zinc rich primer with a dry film thickness of 75 microns.
  - All new joints, main frame rafters, replacement common rafters and purlins are to be supplied in Stress Grade C24 timber.
  - Dimensions indicated thus "x" on this drawing are approximate and are to be re-measured and checked on site.
  - Prior to the fabrication of new steel and timber elements, the fabrication dimensions relating to these elements are to be determined from the relevant site measured dimensions and the specific control dimensions shown on the drawings.
  - The erection of the modified existing frames and new frames is to be carried out in accordance with the following sequence of operations:
    - Install temporary ties to Frames F1, F2 and F4 to F8.
    - Remove existing ceiling construction leaving the 300x300 timber beam in position.
    - Install lintel beams over windows to Frames F4, F5, F6 and F8.
    - Install beams at first floor level to Frames F1 to F8.
    - Install new floor joists on new steel beams with temporary or protected permanent floor boards.
    - Measure for and fabricate frame columns/posts and rafter shoes for Frames F1 to F8 (leave side plates of rafter shoes undrilled if preferred) and main rafters to Frame F5.
    - Position columns/posts and rafter shoes and weld columns directly on to beams and drill as required to form bolt holes to rafter shoes.
    - Bolt upper members to Frame F4 to F4 columns.
    - Install upper timber ties to main rafters to Frames F1, F2 and F5 to F8.
    - Fit top member to Frame F4 to upper horizontal tie to Frame F3 and remove existing 300 x 300 timber beam.
    - Remove temporary ties to Frames F1, F2 and F5 to F8.
- The foregoing sequence of construction may be varied with the agreement of the Engineer.

Preliminary Issue - steel / steel connection joint details and replacement purlin/main rafter connection / support details to be added as required.

Date	Details	Initials

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<b>PROJECT</b>			
Drawing Title			
Alteration Works General Arrangement Roof Plan - Sections - Details			
Scale	Date	Drawn By	Checked By
1:50 1:12.5	May 2006	TRC/CAD	
Client			

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Project No.	Drawing No.	Revision