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BERS TO BE RETAINED SHOULD WITH SUITABLE PRESERVATIVE. ROTTEN TIMBERS SHOULD BE A LIKF FOR LIKF BASIS.	 without their written permission. Please read, if in doubt ask. Change nothing without consulting the Engineers. Contractor to check all dimensions on site before work starts or materials are ordered. Do not scale, if in doubt ask. All dimensions are in mm unless stated otherwise. Where materials, products and workmanship are not fully specified they are to be of the standard appropriate to the works and suitable for the purpose stated in or reasonably to be inferred from the drawings and specification. All work to be in accordance with good building practice and BS 8000 to the extent that the recommendations define the quality of the finished work. Materials products and workmanship to comply with all British Standards and EOTA standards with, where appropriate, BS or EC marks. All products and materials to be handled, stored, prepared and used or fixed in accordance with the manufacturers current recommendations. The contractor is to arrange inspections of the works by the BCO (or NHBC) as required by the Building Regulations and is to obtain completion certificate and forward to the Engineer All finishes, insulation and damp-proofing to architect's details 	
	 STEELWORK Steelwork grade S275 to be in accordance with steelwork publication "National Structural Steelwork Specification For Building Construction." Welds continuous 6mm thickness fillet, unless specified otherwise. Electrodes to BS: 639, welding to BS: 5135. Steelwork galvanised to BS: 729 and BS: 2989 (Where shown on the drawings.) Stainless steelwork to BS: 1149 part 2. Welds continuous 6mm fillet, electrodes to BS: 4870/4871/4872. Steelwork design to be in accordance with BS: 5950 or BS: 449 with loadings in accordance with BS: 6399 and CP3 chapter V. All internal steelwork (except that encased in concrete) is to be painted with two coats of zinc phosphate primer. Prior to any painting the steelwork is to be clean and power wire brushed to remove all millscale, rust, grease and any deleterious material. Where steelwork is built into external walls two coats of bituminous compound shall be applied after erection but before the encasing brickwork is built. Any damage to paintwork after erection of the steelwork is to be repaired as specified above. All steelwork encased in concrete is to remain unpainted. 	
R CEILING RAFTERS WITH	All bolts to be grade 8.8 black bolts. <u>TIMBER</u> Timber strength class C16/C24 to BS: 5268 part 2. (Unless stated otherwise on the drawing.) In the case of timber trussed rafters, these should be braced in accordance with BS: 5268 part 3 1985 "Code of practice for trussed rafter roofs" Softwood to exterior, eaves, roof etc to BS: 4978 and BS: 5268, treated to British Wood Preserving Association Commodity Specification C. Site cut softwood to be saturated with appropriate preservative where cut.	
SET PURLIN & 1 M12 BOLTS	Rafters fixed to 75 x 100 softwood wall plate with galvanised mild steel truss clip and to wall with 5 x 30 galvanised mild steel straps. Bracing 25 x 100 C16 diagonal bracing under rafters and over ceiling joists, lapped if necessary, nailed to each rafter with 2No 10mm gauge galvanized wire nails. Binders 25 x 150 C16 below ridge.	
JRLIN STRENGTHENING DETAIL 1:20		
EXISTING HIPS PROPPED OR NOTCHED OVER TOP CHORD OF CRANKED FRAME WITH CLIPS TO BEAM FLANGE	REVISIONS DATE	
10mm THICK STEEL FIN WELDED TO CRANK BEAM TOP CHORD AND BOLTED TO PURLINS WITH 2M12 BOLTS	MORTON & HALL CONSULTING LIMITED CONSULTING STRUCTURAL ENGINEERS	
• - DN X-X	March, F Cambridgeshire, E	el: 01354 655454 ax: 01354 660467
300x100x15mm THICK STEEL HEAD & BASE PLATES	winner	Building Excellence in Fenland
BOLTED WITH 2M20 BOLTS	Mr. T. Godfrey	
80x80x8 SHS POST	PROJECT	
N Y-Y	Barn Conversion at Tindall Mill Kirkgate Tydd St. giles ^{™™} Super-Structure repair (roof strengthening parts)	
NOTE		
 ALL WORKS TO COMPLY WITH HSE GUIDELINES. THE CDM REGULATIONS APPLY TO THIS PROJECT. ALL MEASUREMENTS TO BE TAKEN ON SITE, DO NOT SCALE. REMOVE FINISHES TO CONFIRM DETAILS PRIOR TO ORDERING STEELWORK. 	DRAWN M.W	DATE OF ISSUE
 ALL TEMPORARY PROPPING, STRONG BOYS AND NEEDLE BEAMS ALL BY MAIN CONTRACTOR. IF IN DOUBT ALLOW MORTON & HALL CONSULTING LTD TO VISIT SITE TO REVIEW. 	CHECKED Date Aug.2021	DRAWING NUMBER
6. UNLESS SPECIFIED BY MORTON & HALL ALL NEW LINTELS & STRUCTURE BY OTHERS	scale 1:50/1:20	H7761/02R