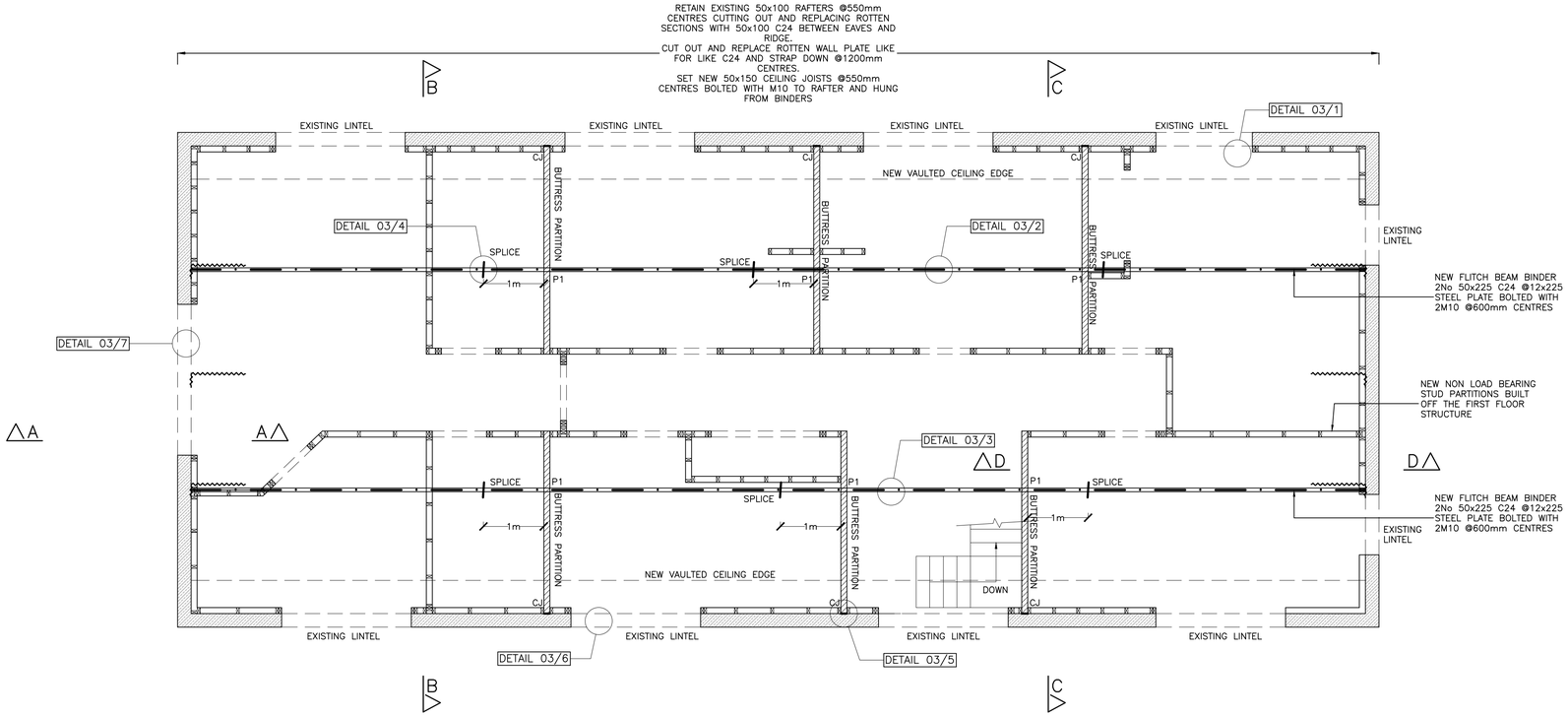
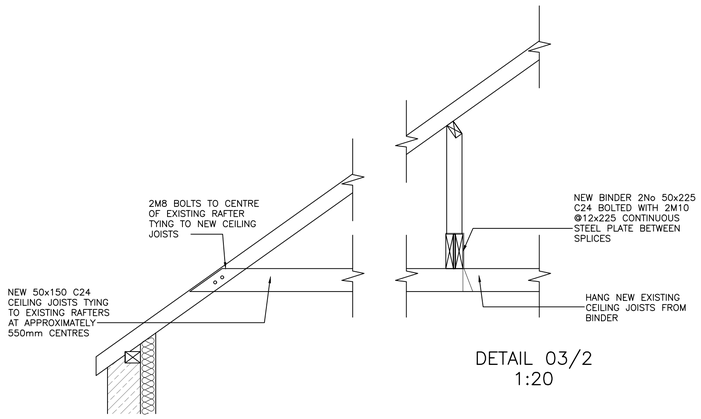


PROPOSED FIRST FLOOR PLAN (ROOF STRUCTURE OVER)
1:50

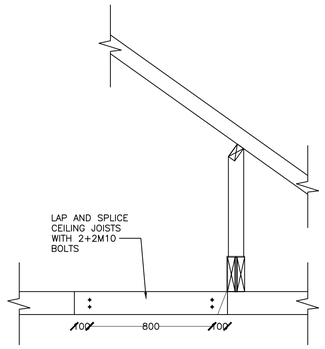
= INDICATES 5x30mm GALVANISED STEEL WALL STRAP TO CEILING JOISTS RAFTER MID SPAN AND RIDGE

P1 = INDICATES 450x100x215mm DEEP ENGINEERING BRICK PADSTONE

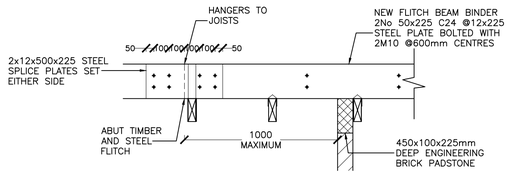
CJ = CONSTRUCTION JOINT



DETAIL 03/1
1:20

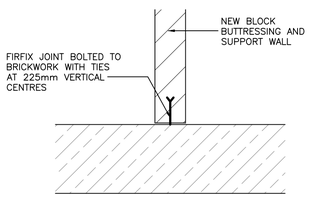


DETAIL 03/2
1:20

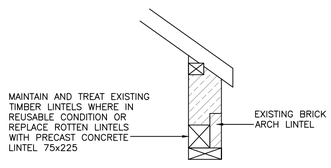


DETAIL 03/3
1:20

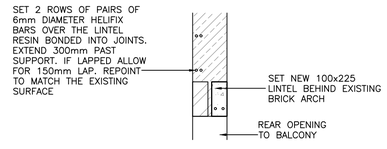
DETAIL 03/4
1:20



DETAIL 03/5 (CJ)
1:10



DETAIL 03/6
1:20



DETAIL 03/7
1:20

NOTE
1. ALL WORKS TO COMPLY WITH HSE GUIDELINES. THE CDM REGULATIONS APPLY TO THIS PROJECT.
2. ALL MEASUREMENTS TO BE TAKEN ON SITE, DO NOT SCALE.
3. REMOVE FINISHES TO CONFIRM DETAILS PRIOR TO ORDERING STEELWORK.
4. ALL TEMPORARY PROPPING, STRONG BOYS AND NEEDLE BEAMS ALL BY MAIN CONTRACTOR.
5. IF IN DOUBT ALLOW MORTON & HALL CONSULTING LTD TO VISIT SITE TO REVIEW.

Copyright on all drawings prepared by Morton & Hall Consulting Limited is their property. Drawings and designs may not be reproduced in part or in whole 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

TIMBER
Timber strength class C24 to BS: 5268 part 2.
(Unless stated otherwise on the drawing.)

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.

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.

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.

All external steelwork is to be either galvanized or painted as follows:-

1) Manual clean to remove grease, dirt, millscale, rust etc. - or shot blast.

2) One coat of zinc phosphate modified alkyd primer to 35um.

3) One coat of high build zinc phosphate modified alkyd primer to 35um.

4) One coat of high build alkyd finish (colour to Architects instructions) to 60um.

All bolts to be grade 8.8 black bolts.

	REVISIONS	DATE

MORTON & HALL CONSULTING LIMITED
CONSULTING STRUCTURAL ENGINEERS
1 Gordon Avenue, March, Cambridgeshire. PE15 8AJ
Tel: 01354 655454
E-mail: info@mortonandhall.co.uk
Website: www.mortonandhall.co.uk

LABC BUILDING EXCELLENCE AWARDS winner
Fenland District Council Building Design Awards Building Excellence in Fenland

CLIENT
Luke Connolly

PROJECT
Short Gate Barn
Gedney Broadgate
Lincolnshire
Cambridgeshire

TITLE
First Floor Plan
(Structure Over)

DRAWN: T.Payne	DATE OF ISSUE:
CHECKED:	
DATE: June.2025	DRAWING NUMBER: H9845/03
SCALE: As Shown	