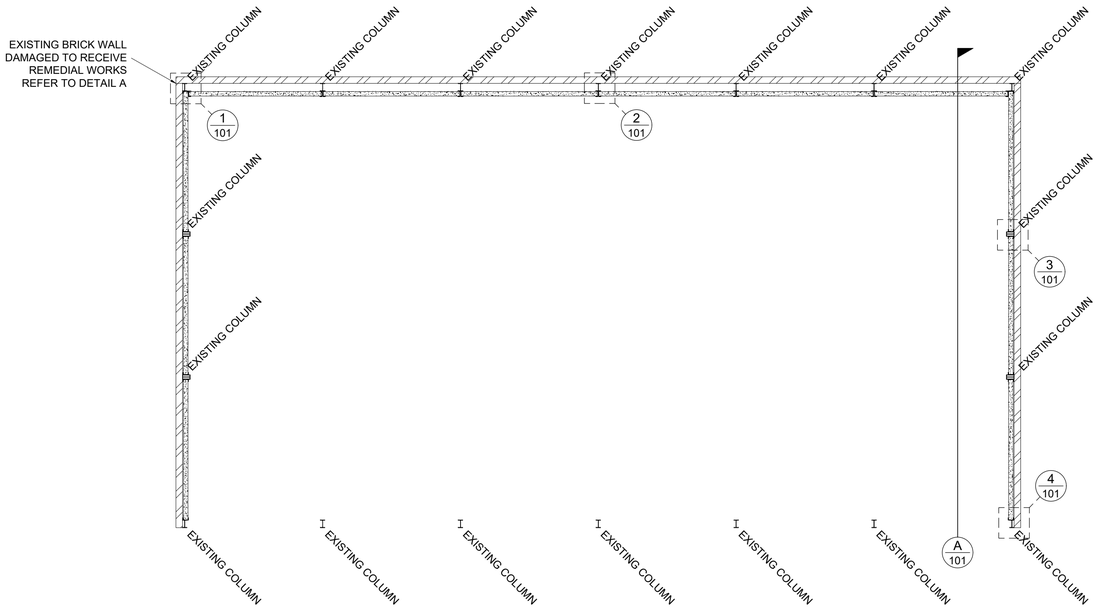
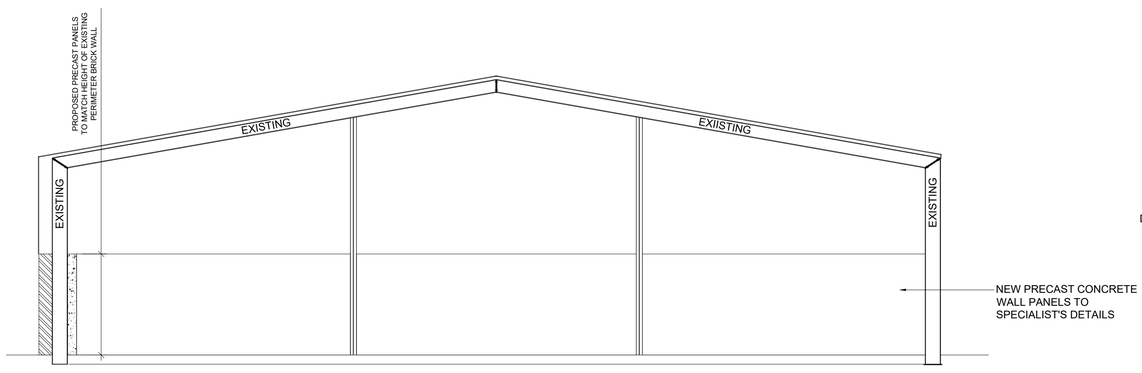


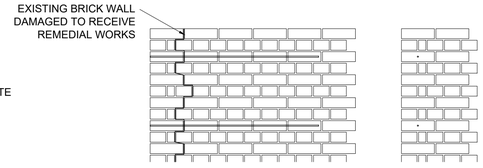
PROPOSED GROUND FLOOR PLAN

(SCALE 1:100)



SECTION A

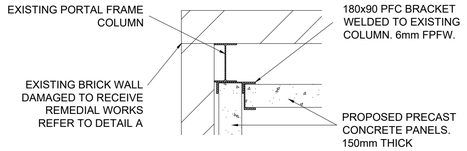
(SCALE 1:50)



1. CEMTIES ARE TO BE INSTALLED AT A MAXIMUM OF 450mm VERTICAL SPACING.
2. CEMTIES ARE TO EXTEND AT LEAST 500mm PAST CRACK.
3. DEPTH OF HOLE TO BE CEMTIE LENGTH + 25mm.
4. CEMTIES TO BE INSTALLED WITHIN CENTRE 3RD OF WALL.

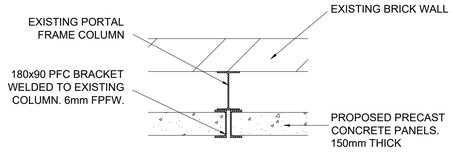
DETAIL A. CORNER TIE USING HELIFIX © CEMTIES

(SCALE 1:20)



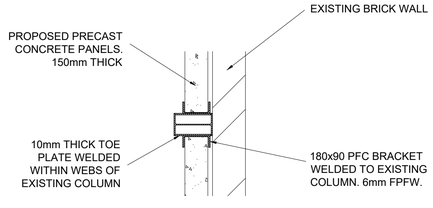
PLAN DETAIL 1

(SCALE 1:20)



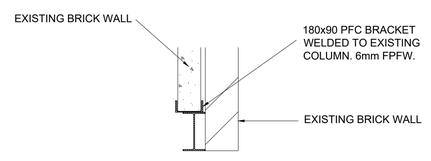
PLAN DETAIL 2

(SCALE 1:20)



PLAN DETAIL 3

(SCALE 1:20)



PLAN DETAIL 4

(SCALE 1:20)

NOTE

This is a marked up copy of the Architect's drawing. We do not verify the Architects's notes and dimensions as being correct and the contractor must refer to the current Architectural drawing for this information, and check dimensions on site. JCP Engineers accepts no liability for any information of this nature taken from this drawing.

STEELWORK NOTES

1. All open section steelwork (UB, UC etc.) are to be grade S355jr fabricated, primed and installed in accordance with BS5950 & EN10025-2
2. All closed sections steelwork (RHS, SHS etc.) are to be grade S355j2h fabricated, primed and installed in accordance with BS5950 & EN10210
3. All fixtures and fittings to be grade S275
4. All steelwork to be in accordance with National Structural Steel Specification (N.S.S.S.)
5. All steelwork and components to be manufactured in accordance with execution class EXC2 to BS EN1090-2
6. All welds to be metal arc 6mm full profile fillet welds u.n.o.
7. All bolts to be BS3692, grade 8.8 ordinary carbon steel bolts. To be galvanised if in external/exposed conditions.
8. All bolt holes to be bolt diameter +2mm. Minimum edge distance for bolts to be 1.4xD and minimum spacing to be 2.0xD (where D = hole diameter).
9. Internal steelwork to be blast cleaned and receive 1# coat of high-build epoxy zinc phosphate primer, dry film thickness 80 microns. Exposed internal steelwork to have site applied alkyd finish, min thickness of 60 microns. Colour to architect's specification.
10. Steel in exposed/external conditions to be hot-dipped galvanised to BS EN ISO 1461. If a coloured finish is required a mordant wash or primer specifically formulated for use on fresh galvanised surfaces is to be applied (in strict accordance with manufacturer's instructions), followed by 40 microns vinyl primer and 60 microns vinyl finish to architect's specification. Alternative corrosion protective measures may used once written approval is obtained from the structural engineer.
11. Fire protection is to be provided in accordance with the architect's details.
12. No holes are to be made through the steel, apart from those indicated, unless agreed with the engineer.
13. These drawings are to be used to inform the steel fabricator when producing their fabrication drawings, incorporating any details shown and submitted to the engineer/architect allowing 14 days for approval prior to commencing fabrication. The fabrication drawings are to include overall setting-out/co-ordination. Any discrepancies to be reported to the engineer.

RISK SCHEDULE

DESCRIPTION OF RISK & ACTION

- Design assumptions have been made relating to the span of elements of the existing structure (as noted on the drawings). To prevent existing or new members becoming overstressed or deflecting excessively, these assumptions must be checked before work on site commences. Any discrepancies must be reported to the engineer so that checking can be carried out, and any required amendments made before work proceeds.
- Temporary support - there is a risk of injury due to collapse of unsupported or inadequately supported load/structure. The contractor must consider and provide temporary works designed by a suitably qualified person.
- Deep excavations specified. From trial hole investigation we anticipate the excavations should remain dry and stable in the short term. To prevent collapse of excavations and any supported structure, consideration should be given to temporary support in case they become unstable. Edge protection must to be provided to all excavations whilst open.
- There is a risk of hitting buried services during excavation works. Therefore the Contractor must identify, mark and make operatives aware of all known services and take appropriate measures to safeguard against hitting unknown services that cross the site.
- Some main structural members may exceed manual handling limits. Jointing to limit size and weight may have been specified where appropriate (contractor to liaise with engineer if additional joints are required or locations require adjustment). Irrespective of any jointing details mechanical lifting equipment must be considered by the main contractor and appropriate lifting plans developed.
- There are no other specific health and safety risks as a direct result of our design apart from common construction issues that are to be assessed by the contractor.

GENERAL NOTES:

- This drawing is the copyright of the consultant and must not be used or reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopy, recording or otherwise without the written consent of the intellectual copyright owner, application for which can be made to JCP Engineers, Minton House, Amesbury Distribution Park, London Road, Amesbury, Salisbury, Wiltshire, SP4 7RT.
- Drawings must not be scaled. Only written dimensions should be used - where no dimensions are given the matter shall be referred to the engineer. Should dimensions or details on these drawings conflict, request clarification from the engineer. Where this drawing relates to existing or completed construction the contractor shall check that there is no conflict between actual building dimensions and dimensions on the drawings. In the event of conflicting information between this drawing and others, this must be reported immediately to the engineer.
- The contractor is responsible for checking the accuracy of all site dimensions, levels and setting out of the work before work commences on site.
- Materials and workmanship are to comply in all respects with current British Standard specifications, codes of practice, and Building Regulations.
- This drawing is to read in conjunction with all relevant architectural, specialists' and other consultants' relevant specifications and drawings.
- The contractor shall provide all necessary bracing and safeguards to ensure the stability of the structure and all associated parts at all times during construction. the design, installation and maintenance of all necessary temporary works is the responsibility of the contractor.
- The works detailed on this drawing may be subject to a Planning or Building Regulations application, and/or the Party Wall Act. Should this be the case all works undertaken prior to obtaining the relevant approvals are at the Contractor's/Client's risk.
- Setting out to is to be in accordance with the Architect's drawings.
- It is the Client's responsibility to ensure that they have engaged the services of a competent person to act in the role of principal designer in accordance with the 2015 CDM regulations, prior to works commencing.

3rd Angle

REV:	DESCRIPTION:	BY:	DATE:
P1	PRELIMINARY ISSUE	EO	14/01/22

REVISIONS

SUBJECT TO BUILDING CONTROL APPROVAL.

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PROJECT TITLE:

LIVESTOCK BARN
PARSONAGE DOWN NATURAL NATURE RESERVE

DRAWING TITLE:

GROUND FLOOR STRUCTURAL GENERAL ARRANGEMENT

DRAWN	DATE	CHECKED	DATE	APPROVED	DATE
GL	12/21	EO	12/21	EO	12/21

DRAWING NO:	SHEET SIZE:	SCALE:	REVISION:
14892-101	A1	1:100	P1