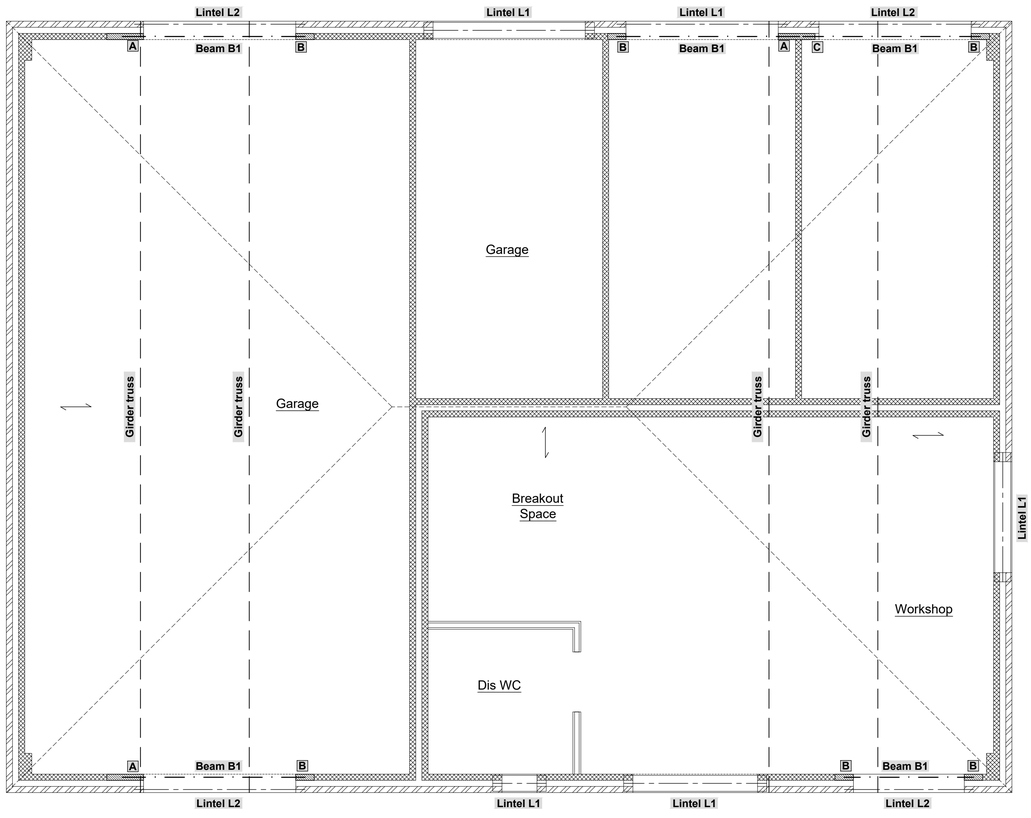

Proposed Ground Floor Plan

(Scale 1:50)

STEELWORK:

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.

TIMBER:

1. All softwood timber to be FSC certified, graded as noted on drawings. Where not specified timber to be grade C24.
2. All softwood timbers are to be treated by double vacuum preservative treatment to BS:5707 part 3. All timber ends to be treated on site.
3. All timber fixings are to be galvanised/sheradised except when into Oak in which case fixings are to be stainless steel.
4. Multiple timbers are to be bolted together at max. 400mm centres using M12 bolts and 51mm dia. toothed plate connectors. Use square plate washers to outside face of timbers. Fixings to be staggered about member centre line along entire length of timbers.
5. Use proprietary joist hangers to support timbers off other timbers, or timber plate bolted to steel beam's web/flange using M8 bolts at 800mm centres staggered along length of beam.
6. Fire protection where required, to architect's details.

LINTELS:

1. Lintels to be as specified, or designed by a competent person.
2. All lintels are to be installed with end bearings (typically 150mm) as recommended by the manufacturer for the particular lintels specified.

BRACING / STRAPPING:

1. Traditional cut timber or truss rafter roofs to have standard timber bracing in accordance with BS5268 part 3 and/or in accordance with the truss manufacturer's design.
2. Vaulted and/or flat roof areas are to be lined with min. 8mm plywood fixed with 3mm dia nails at 300mm centres generally along each support and at 150mm centres along board edges.
3. Standard 30x5x1200mm long galvanised steel restraint straps (or similar approved with minimum tension capacity of 8kN) to be provided, for lateral restraint, to floors and around gables. Straps to be fixed over 38mm wide noggins at least half the depth of the joist or rafter. Straps to extend over at least 3No. joists or rafters. Spacing of straps to be at max. 2m centres in accordance with BS5628 or current Building Regulation Approved Document A.
4. Standard 30x5x1200mm long galvanised steel restraint straps (or similar approved with minimum tension capacity of 8kN) to be provided, for vertical restraint, to roofs. Straps fixed to wall plates, and to the supporting masonry below at max. 2m centres in accordance with BS5628 or current Building Regulation Approved Document A.

MASONRY:

1. All external brickwork to have a min. compressive strength of 20N/mm² with a water absorption value between 7% & 12%.
2. All blockwork to have a min. compressive strength of 3.6N/mm² unless noted otherwise.
3. Blockwork generally above dpc to architect's specification but at the strength indicated on engineer's drawings, blockwork below dpc to have a min. density of 1500kg/m³. All blockwork to have a unit weight not exceeding 20kg, otherwise the contractor is required to produce a risk assessment and method statement for manual handling. Hollow blocks are not to be used without permission from the engineer.
4. Mortar to be generally designation (iii) above dpc & grade (ii) below dpc, unless noted otherwise.
5. All masonry supporting steel or precast concrete to have cured for at least 7 days prior to installations (extended to 10 days if temperatures have been below 5°C). Temporary lateral support and propping may be required for certain wall configurations and should be considered by the contractor.

BEARINGS

1. All padstones to be positioned centrally under supported beam(s).
2. Padstones to be precast concrete (min 50N/mm²) unless noted otherwise, standard sizes specified where possible as supplied by Naylor Industries.
3. Padstone references as follows:

   A. Bear 350mm onto 600x100x215mm deep precast concrete padstone.
   B. Bear 200mm onto 300x100x215mm deep precast concrete padstone.
   C. Bear 200mm onto 600x100x215mm deep precast concrete padstone.

Indicates span of fabricated timber truss roof by specialist manufacturer

Prefabricated timber truss roof supported on external walls only.

Girder trusses to be fully strapped down using truss clips or restraint straps.

Member Schedule

Ref.	Section	Reaction (ULS) kN
B1	178x102UB19	56
L1	Stressline SL90 XHD 225	-
L2	Stressline SL100 TR	-

RISK SCHEDULE

- 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.
- 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.

3rd Angle ©

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, Unit 7, Boscombe Centre, Mills Way, Amesbury, Wiltshire, SP4 7SD.
- 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.

REV:	DESCRIPTION:	BY:	DATE:
P1	Preliminary issue	RD	09/10/23

REVISIONS

SUBJECT TO BUILDING CONTROL APPROVAL.

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PROJECT TITLE:

Amesbury Cricket Club
Archers Way
Amesbury

DRAWING TITLE:

Ground Floor
Structural Arrangement

DRAWN	DATE	CHECKED	DATE	APPROVED	DATE
RD	10/23	DA	10/23	KAR	10/23

DRAWING NO:	SHEET SIZE:	SCALE:	REVISION:
16469-101	A1	1:50	P1