



PRELIMINARY

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The Institution of  
**Structural Engineers**

Job title  
Great Trill Farm

Drawing title  
Truss Modifications

Architect

Client  
Roland de Hauke

Drawing no.  
21/7553-01

by JC date 08/07/21

chkd. JJO scale As Shown at A2

Rev	Revision details	Date

- General Notes**
- This drawing is to be read in conjunction with all other relevant engineers, architects and specialists drawings and specifications.
  - Any grid lines, building lines, etc. are to be set out in accordance with the relevant architects plan.
  - Dimensions are not to be scaled from this drawing, either manually or electronically.
  - Any dimensional discrepancies on this drawing are to be referred to the engineer before the affected works proceeds.
- Timber**
- All softwood timber minimum grade C24 U.N.O.
  - All timber to be preservative treated as necessary.
  - All timber to be FSC or PEFC certified.

- Structural Steelwork**
- Steel grades are S275 to BS EN 10025 as shown on drawings. All hollow sections are to be hot rolled to BS EN 10210 U.N.O.
  - Comply with the latest edition of National Structural Steelwork Specification (NSSS).
  - Internal steelwork to be blast cleaned, grade SA2½ and painted with epoxy zinc phosphate primer to 75 microns dft.
  - External steelwork or steelwork in cavities to be blast cleaned, grade SA2½ and hot-dip galvanized to BS EN ISO 1461 with a minimum coating thickness of 140 micrometres.
  - Protective paint / galvanizing coating to be touched up on-site to make good any damage from transportation / erection.
  - Steelwork contractor to provide fabrication drawings showing all details of the steelwork structure for comment by the engineer prior to fabrication.

- All steelwork connections to be designed and detailed to BS 5950 by the steelwork contractor.
- Welds to be minimum 6mm continuous fillet welds U.N.O.
- Site welding is not permitted unless agreed with the engineer.
- All bolts to be grade 8.8.
- Steelwork which supports floors (beams and columns) is to be fire protected. Type (intumescent or board system) duration is to be agreed with building control and architect. Contractor to provide certificate from installer / supplier to confirm that the installation provides the required fire resistance.
- Unless otherwise noted, provide minimum 220mm or full width padstone end bearing to steelwork onto 440mm padstones.
- Bolt pockets and spaces beneath column baseplates to be grouted up with fosroc conbextra gp non-shrink cementitious grout.
- All steelwork and connectors to be CE marked. Fabricated steelwork to be CE marked with execution class EXC2.

CDM High Risk Assessment	
ITEM	RECOMMENDATION
UBS & STEELS ETC.	MECHANICAL LIFTING AS APPROPRIATE.
HANDLING STEEL	PROTECTIVE WEAR TO BE USED.
UBS & STEELS ETC.	EXISTING STRUCTURE TO BE ADEQUATELY PROPPED WHILE BEAMS ARE INSTALLED. PROPS TO REMAIN FOR 48 HOURS AFTER BEAMS ARE PACKED INTO PLACE.