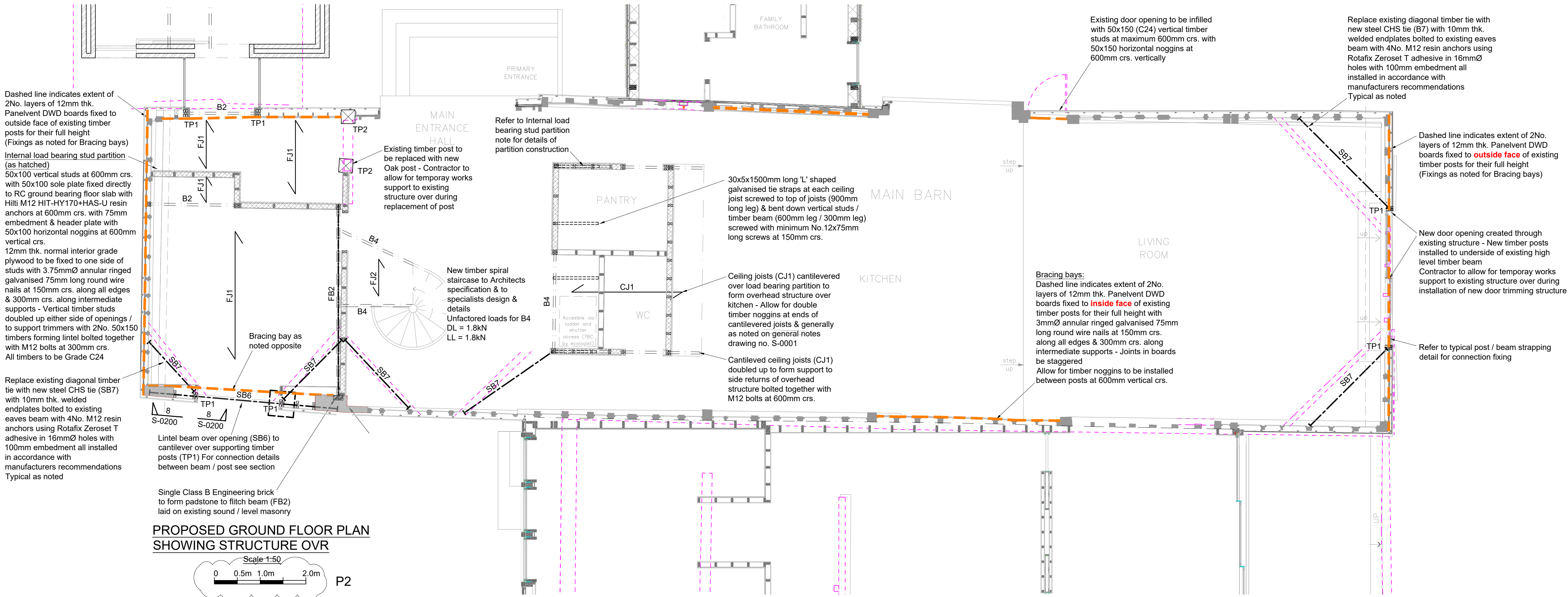
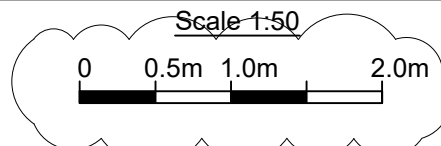




PROPOSED GROUND FLOOR PLAN  
SHOWING STRUCTURE OVR



STEEL BEAMS SCHEDULE S355 GRADE:

GB1 - 152x152x30 UC - Moment box frame  
SB6 - 150x75x18 PFC - Lintel / beam  
SB7 - 60.3mmØ x 5.0 CHS - Tie beam  
B1 - 203x203x46 UC - Moment goal post frame (Galvanised)  
RB1 - 203x133x25 UB - Ridge beam  
RB2 - 152x152x23 UC - Sloping rafters  
RB3 - 152x152x23 UC - Ceiling beam  
RB4 - 305x165x54 UB - Ridge beam  
RB5 - 152x152x37 UC - Ridge beam

- Steel fabricator is responsible for detailing of all steel to steel connections in accordance with the details indicated on Axiom-Structures drawings
- ## Denotes 10mm thk. plate fully welded to bottom flange of beam (width to suit structure to be supported)
- # Denotes 10mm thk. plate fully welded to top flange of beam (width / extent of plate to suit wall width being supported)
- Plates welded with 6mm x 150mm long hit / miss fillet welds
- Use minimum 4No. M16 (8.8) bolts with 10mm thk. welded end plates with 6mm full profile fillet welds to any steelwork connection subject to design. UNO

Refer to notes drawing S-0001 for further specification

TIMBER MEMBER SCHEDULE:

FJ1 50x200 Floor joists (C24) at 400mm crs.  
FJ2 50x150 Floor joists (C24) at 400mm crs.  
RR1 50x150 Roof rafters (C24) at 400mm crs.  
RJ1 50x150 Flat roof joists (C24) at 400mm crs.  
RJ2 50x200 Flat roof joists (C24) at 400mm crs.  
CJ1 50x150 ceiling joists (C24) at 400mm crs.

FB1 2No. 50x150 (C24) joists with 2No. 10mm thk. x 125mm steel plates between timbers bolted together with M12 bolts at 350mm crs.  
FB2 2No. 50x200 (C24) joists with 10mm thk. x 175mm central steel plate bolted together with M12 bolts at 350mm crs.  
B2 50x200 (C24) timber bolted to existing eaves beam with M12 bolts at 600mm crs.  
B4 2No. 50x150 (C24) timbers bolted together with M12 bolts at 600mm crs.  
B5 50x125 (C24) timber bolted to existing eaves beam with M12 bolts at 600mm crs.  
B6 50x150 (C24) timbers bolted together with M12 bolts at 600mm crs.  
B7 50x200 (C24) timbers bolted together with M12 bolts at 600mm crs.  
TP1 2No. 50x150 (C24) timber posts bolted together with M12 bolts at 600mm crs.  
TP2 300x300 (D40) Oak post

Min. 18mm thk. plywood decking to floors unless noted otherwise  
Min. 12mm thk. plywood decking to flat roof (no access) unless noted otherwise  
Plywood decking / sheathing nailed to top of floor / roof joists or vertical timber studs with minimum 3mmØ annular ringed galvanised 75mm long round wire nails at 150mm crs. along all edges & 300mm crs. along intermediate supports - Joints in plywood to be staggered  
Provide continuous decking over the beams to tie the floor structure as per S-0300  
Refer to specification & S-0001 for further notes

FINISHES AND  
WATERPROOFING BY OTHERS

TEMPORARY WORKS TO  
CONTRACTORS DESIGN AND DETAILS

IMPORTANT CDM/H&S NOTE

THE DESIGNERS HIGHLIGHT THE SIGNIFICANT RESIDUAL HEALTH AND SAFETY RISKS THAT HAVE NOT BEEN ELIMINATED FROM THE DESIGNS. THESE SIGNIFICANT RESIDUAL RISKS ARE IDENTIFIED BELOW.



TEMPORARY PROPPING OF EXISTING STRUCTURE DURING DEMOLITION OF EXISTING LOAD BEARING WALLS & INSTALLATION OF NEW SUPPORT STRUCTURE

THIS NOTE REFERS TO SIGNIFICANT RESIDUAL RISKS AS DEFINED IN CDM LEGISLATION. OTHER EALTH AND SAFETY RISKS ASSOCIATED WITH CONSTRUCTION ACTIVITIES MAY BE PRESENT.

NOTES:

- If in doubt, please ask.
- Do not scale this drawing.
- This drawing is to be read in conjunction with all Engineer's, Architect's or other relevant drawings and specifications. Any discrepancy is to be reported to the engineer immediately.
- The contractor must ensure and will be held responsible for the overall stability of the building/structure/ /excavation at all stages of the work.
- To be Read with General Notes GN-001

Please Note:  
Electronic Design Information can be intentionally or unintentionally modified. It is a misconception that Electronic Design Information is by default accurate. Any modification or reuse of the Electronic Design Information issued herewith that results in erroneous setting-out and/or any other design, costing, measuring or construction inaccuracy are the responsibility of the recipient of this Electronic Design Information.

GENERAL KEY :

- Existing walls
- New blockwork
- New brickwork
- Demolition
- Mass / RC concrete foundations as noted on plan / in schedule
- Load-bearing studwork partition
- Load-bearing timber wall panel - See schedule for details
- Wall Panel ?
- Non load bearing partitions to Architects specification
- Locations of Panelvent bracing bays - See plans
- Span of existing timber roof joists / rafters / joists
- Span of floor joists / roof joists / rafters
- See schedule for details
- New steel beam & reference - See schedule for sizes
- Full moment steelwork connection
- Multiple timber trimmers
- See schedule for details
- New flitch beam & reference as noted in schedule
- LRS Lateral restraint straps as per spec & details
- (F) Furfix wall starter system with s/steel wall ties at 225 vertical crs
- PS? Mass concrete padstone & reference - Refer to schedule for sizes
- C? Steel column with reference - Refer to schedule for sizes
- TP? Timber post

|     |          |                    |    |       |  |
|-----|----------|--------------------|----|-------|--|
|     |          |                    |    |       |  |
|     |          |                    |    |       |  |
|     |          |                    |    |       |  |
| P2  | 13.02.26 | Scale bar added    | HG | AB    |  |
| P1  | 23.01.26 | Preliminary Issued | HG | AB    |  |
| Rev | Date     | Amendments         | By | Chk'd |  |

PRELIMINARY

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Project:  
**HOLBORN BARN,  
DANE END, ROYSTON,  
HERTFORDSHIRE SG8 9RH**

Drawing title:  
**MAIN BARN  
GROUND FLOOR PLAN  
SHOWING STRUCTURE OVER**

|                  |                      |                   |
|------------------|----------------------|-------------------|
| Date:<br>01/2026 | Scale at A1:<br>1:50 | Scale at A3:<br>- |
| Drawn by:<br>HG  | Designed by:<br>JT   | Chk'd by:<br>AB   |

|                                           |                        |
|-------------------------------------------|------------------------|
| Drawing No:<br><b>25029-ASL-DR-S-0111</b> | Revision:<br><b>P2</b> |
|-------------------------------------------|------------------------|