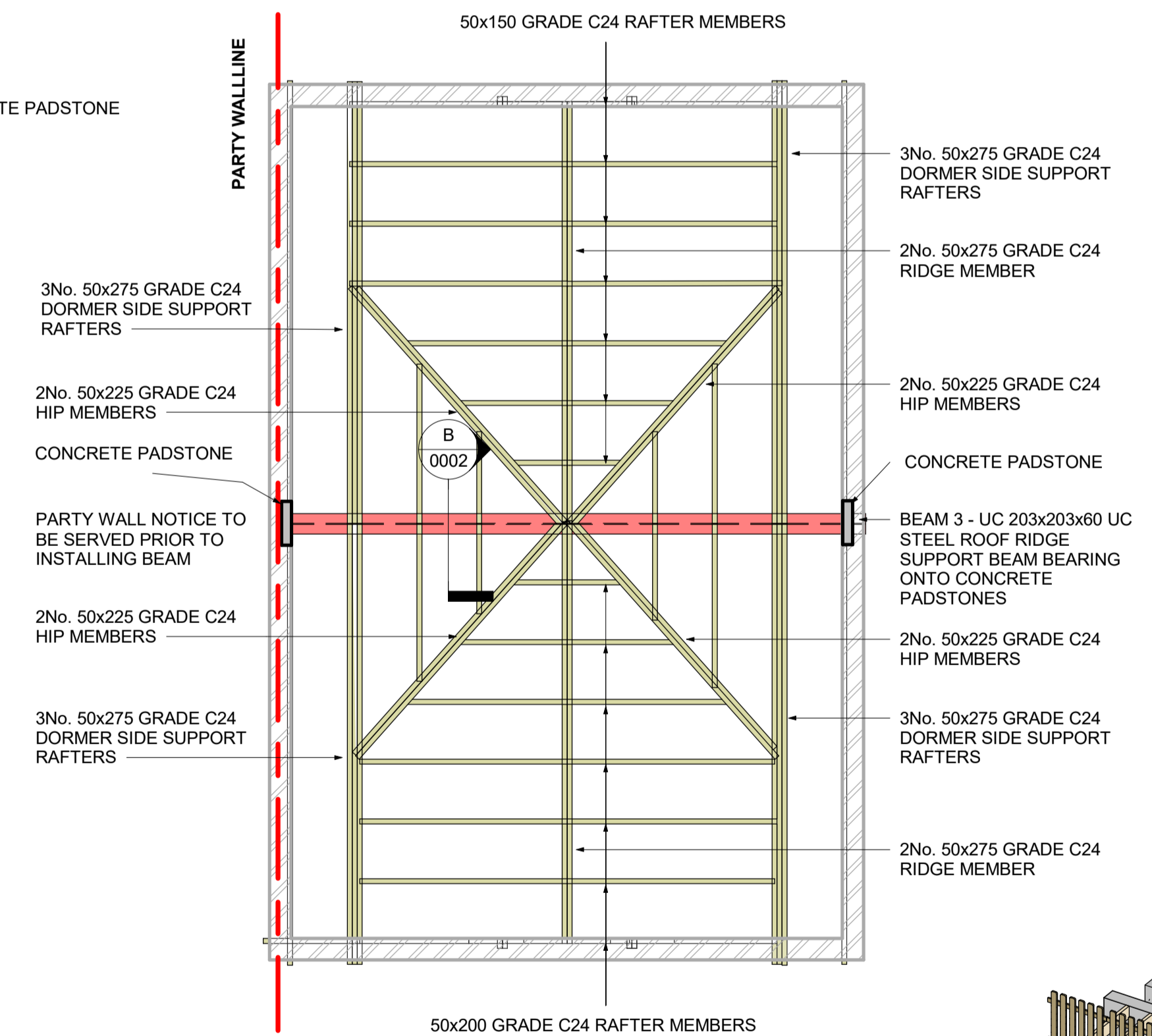


- NOTES**
- GENERAL INFORMATION**
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS, ENGINEERS, AND SPECIALIST DRAWINGS.
  - DRAWINGS SHOW STRUCTURAL INTENT ONLY REFER TO ARCHITECT'S GENERAL ARRANGEMENT DRAWINGS FOR ALL SETTING OUT
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STABILITY OF THE STRUCTURE AND ALL TEMPORARY WORKS DURING CONSTRUCTION
  - THE CONTRACTOR IS TO ASCERTAIN THE BUILDUP OF EXISTING WALLS PRIOR TO PROCURING STEEL
  - THE CONTRACTOR IS TO ASCERTAIN THE LOCATION OF SERVICES ON SITE PRIOR TO STARTING WORK.
  - ALL DIMENSIONS INDICATED TO BE CONFIRMED AND MEASURED ON SITE TO CONFIRM THAT THE ARE CORRECT PRIOR TO FABRICATING STEELS
  - DEPTH AND WIDTH OF EXISTING FOUNDATIONS TO BE DETERMINED ON SITE.

**TIMBER**

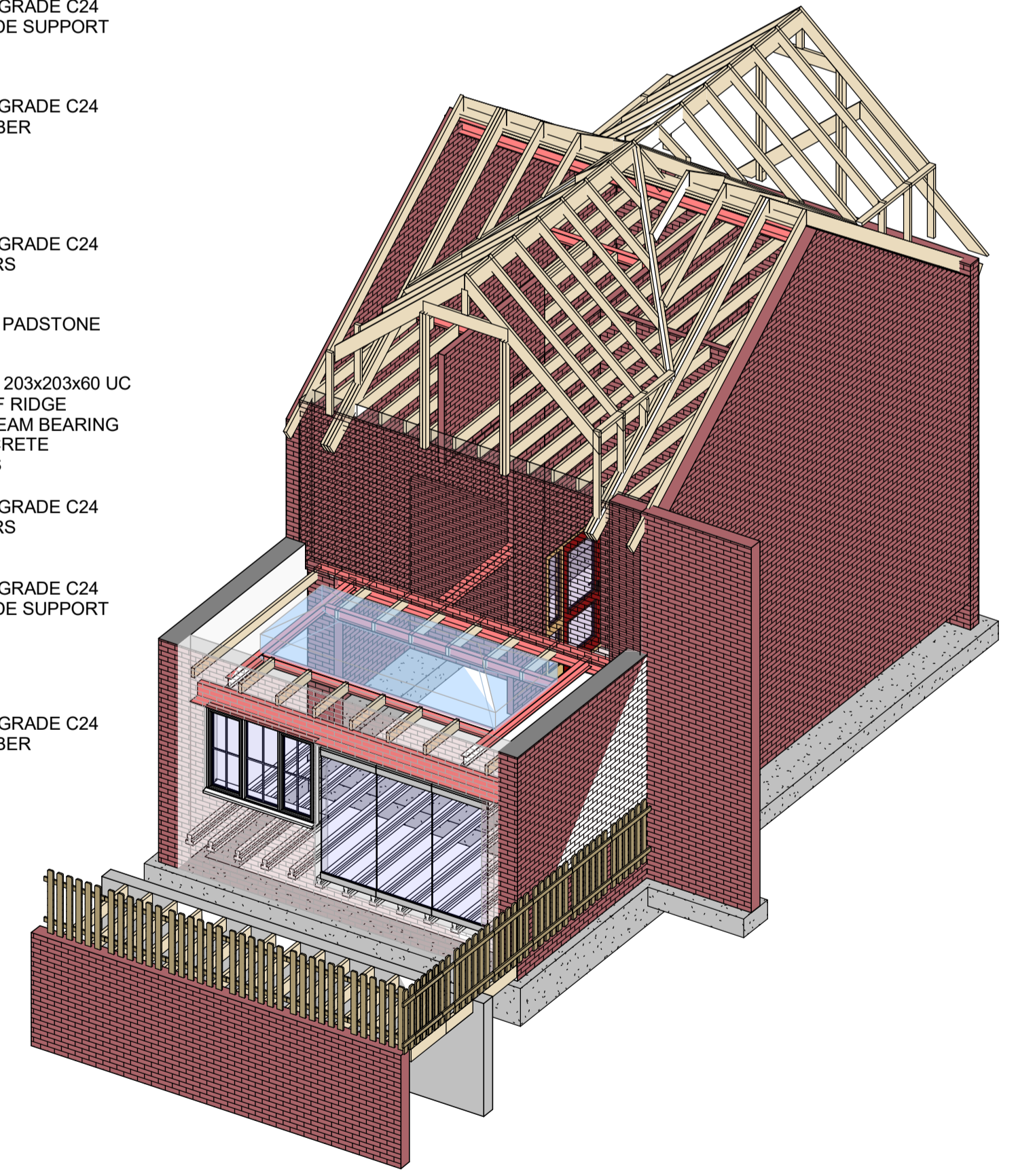
- TIMBER PROCUREMENT**  
Timber (including timber for wood based products): obtained from well-managed forests and/or plantations in accordance with:  
The laws governing forest management in the producer country or countries.  
International agreements such as the Convention on International Trade in Endangered Species of wild fauna and flora (CITES).  
Documentation: provide either:  
- Documentary evidence (which has been or can be independently verified) regarding the provenance of all timber supplied.  
- Evidence that suppliers have adopted and are implementing a formal environmental purchasing policy for timber and wood based products.
- New timber in the works is to be selected structural timber not inferior to European Redwood/Whitewood grade C24 to BS EN 338:2009, unless noted otherwise on the drawings.
- Timber that in the opinion of the Engineer is inferior in quality or condition or is not suitable for the requirements of the work is not to be used.
- All existing timber is to be inspected for signs of damage, decay or infestation at the beginning of the project by a specialist. Refer to specialist's report for all information in connection with timber treatment or replacement.
- New timber in the works is to be vacuum impregnated with preservative to BS EN 1995-1-1 and BS EN 351-1 and the manufacturer's recommendations. Cut ends are to be thoroughly treated with brush applied coats of appropriate preservative before fixing. All preservatives are to be to the Architect's approval.
- Timber shall be stored under cover, clear of the ground and protected from the weather.
- Structural timbers may only be drilled or cut for services with the approval of the Structural Engineer. Drill holes and notches in joists to be in accordance with NHBC Standards Chapter 6.4-S9 and BS EN 1995-1-1.
- Sizes of new structural timbers noted on the drawings are sawn basic sizes.
- All proprietary joist hangers, straps, connectors etc to be provided by Simpson Strong-tie or Expanet, unless approved otherwise, and shall be fit for purpose.
- All timber connectors, screws, nails, joist hangers, steel straps etc are to be galvanised or sherardised. All such items are to be fixed in accordance with the manufacturer's recommendations, unless shown otherwise on the drawings.
- All doubled or tripled up timbers shall be fixed together with M12 bolts or threaded rods at 600mm centres, using double toothplate connectors between timbers, and 50mm square steel washers (3mm thick), unless shown otherwise on the drawings.
- Unless otherwise specified, securely fix full depth depth timber noggins between joists as follows:  
1. Joist spans of up to 3.5m: one row at third spans and at the bearings.  
(ii) Joist spans over 3.5m: rows at quarter spans, mid span and at the bearings.  
(iii) At positions of joints in ply sheeting.
- Wall plates for roofs are to be tied down using 1200mm long 30 x 2.5mm galvanised mild steel straps at maximum 1200mm centres with 100mm bob end. Straps are to be nailed to the top plate and plugged and screwed to the internal face of the wall with a minimum of 3 No.12 wood screws 50mm long.
- Lateral restraint straps to the perimeter of all floors, roofs and where otherwise noted on the drawings are to be minimum 700mm long 30 x 5mm galvanised mild steel straps at maximum 1200mm centres with 100mm bob end. Straps perpendicular to joists are to be fixed to the tops of three joists over solid blocking infill and notched in a maximum of 6mm. Straps parallel to joists are to be fixed to the side face of the joist. Straps to be fixed with a minimum of 3 (No.12) wood screws 50mm long.
- Where sections of floor or roof are separated by a steel beam install 1250mm long 30 x 5mm straps at 1200mm c/c for continuity.
- Where lateral restraint straps for floors are to be tied into existing 215mm thick (min) solid brick walls, cast bobbed end into a 225x100x150dp mass concrete anchor block into pocket and dry packed at top with 3:1 sharp sand cement well rammed in.

**3D VIEW - PART VIEW ON LOFT CONVERSION**



**ROOF PLAN**

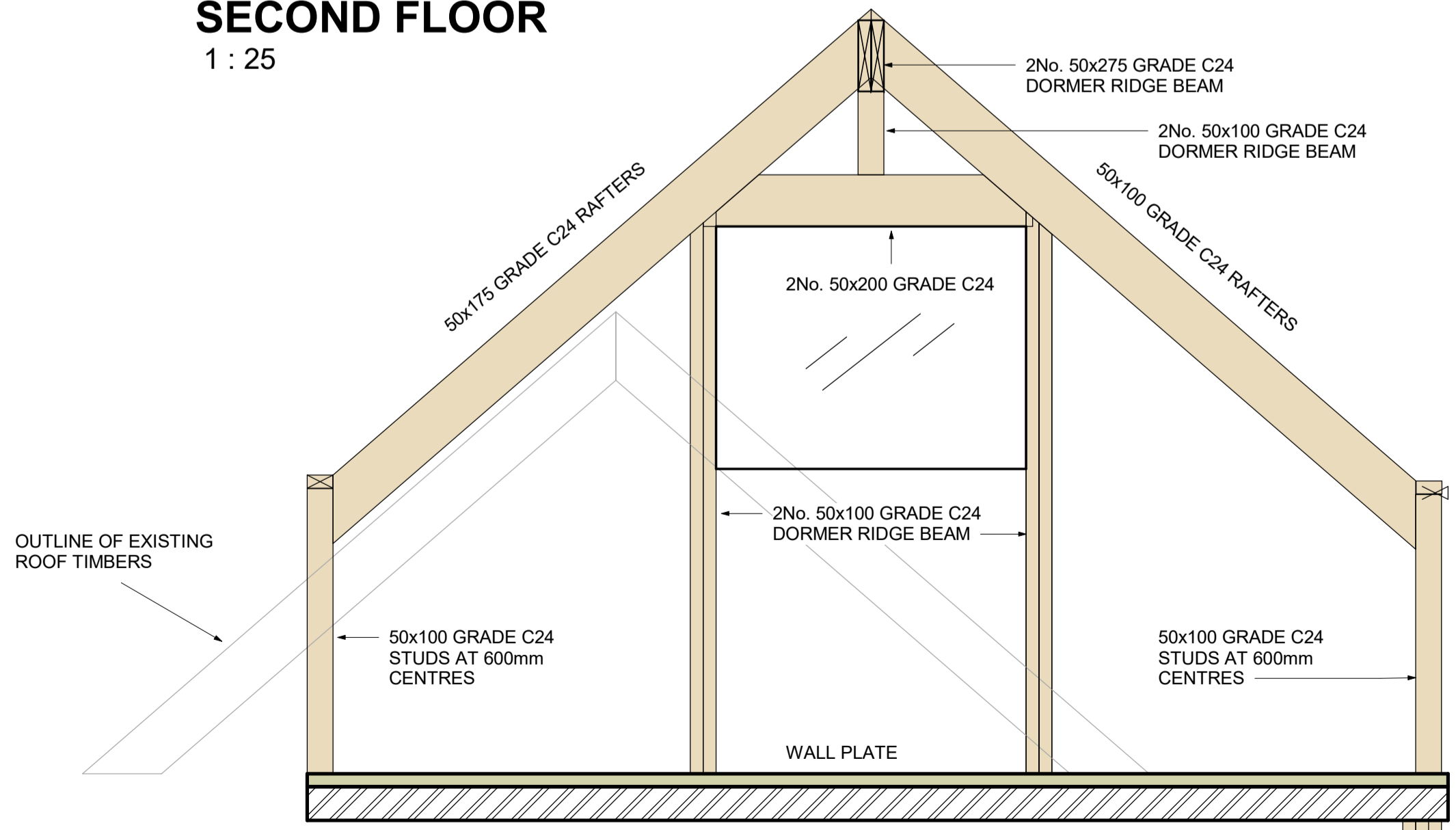
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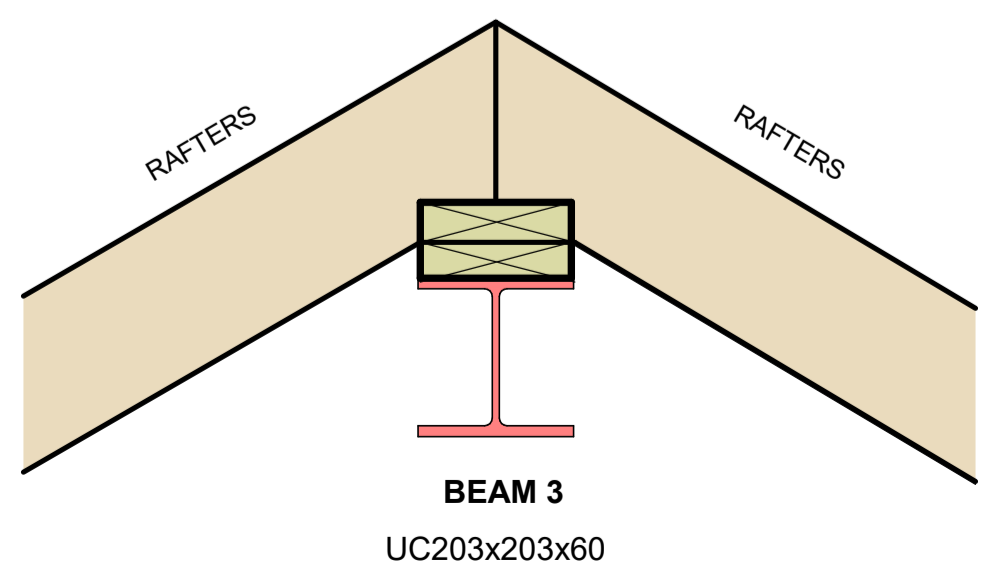
**SECOND FLOOR**

1 : 25



**A - FRONT ELEVATION TIMBER DORMER FRAMING**

1 : 20



**B - SECTION THROUGH STEEL RIDGE BEAM**

1 : 10