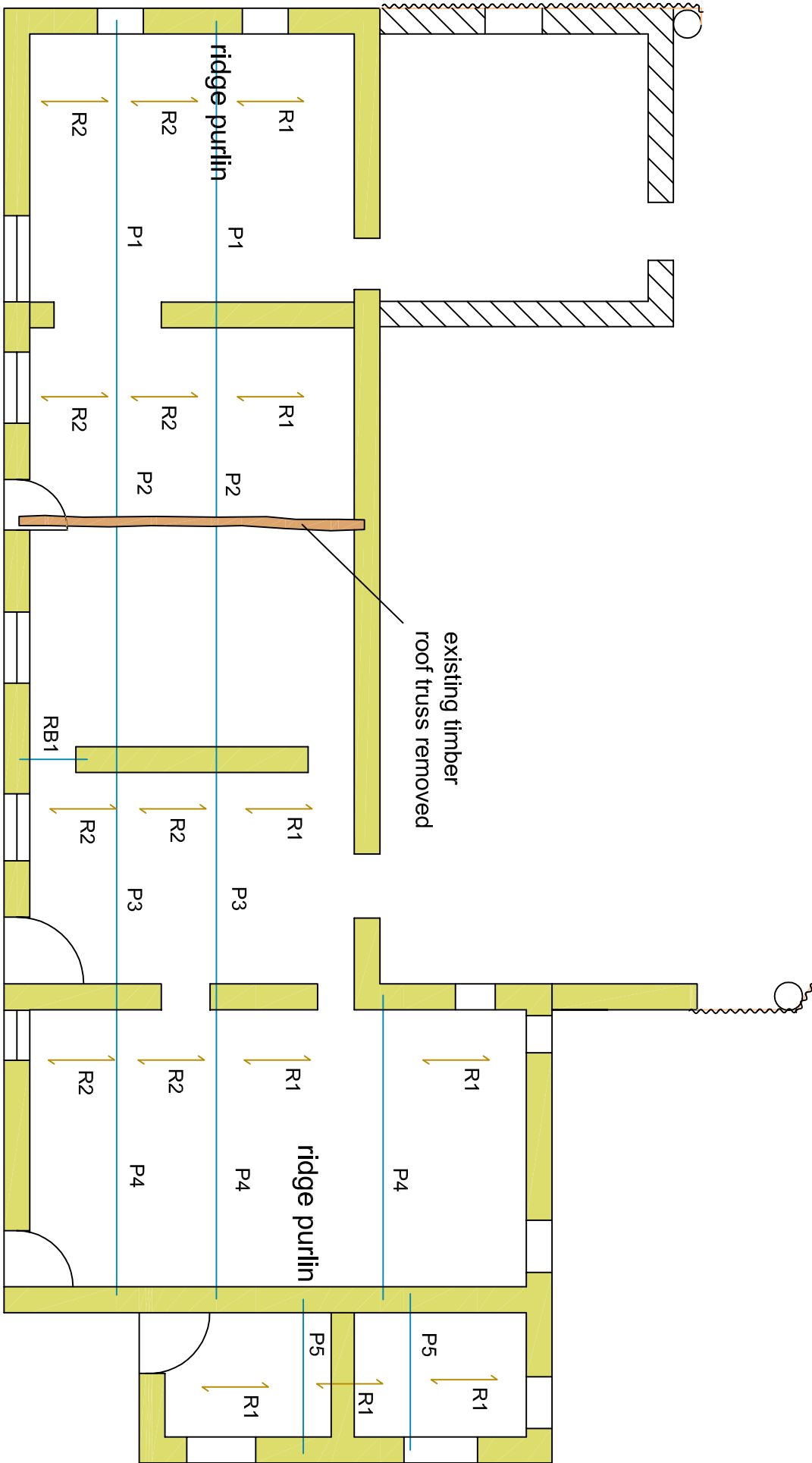
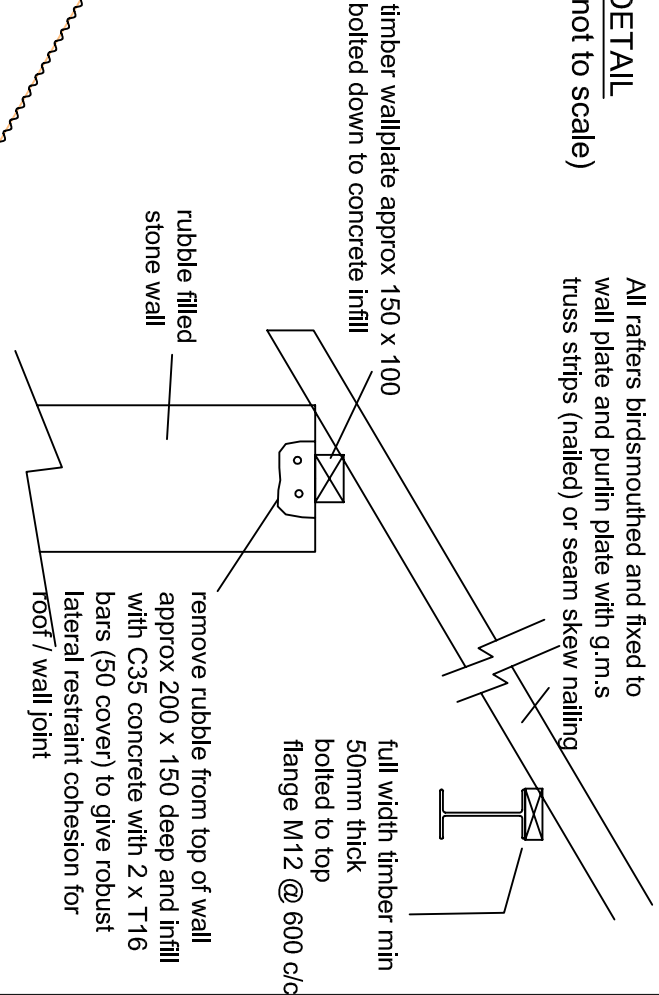




scale 1:100

**DETAIL**  
(not to scale)

All rafters birdsmouthed and fixed to wall plate and purlin plate with g.m.s truss strips (nailed) or seam skew nailing



**NOTES**

Proposed Roof Construction for Alternative Roof Coverings

Option A - Marley Modern Roof Tiles (for illustrative purposes only)

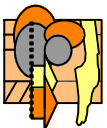
- Rafters R1 - 125 x 50 C16 @ 400 c/c
- Rafters R2 - 100 x 50 C16 @ 400 c/c
- P1 - 178 x 102 UB
- P2 - 254 x 146 x 31 UB
- P3 - 152 x 89 UB
- P4 - 178 x 102 UB
- P5 - Re-use existing timber purlins
- RB1 - 203 x 133 x 25 UB - to carry inner gable

Option B - Traditional Derbyshire Stone Slates (for illustrative purposes only)

- Rafters R1 - 150 x 50 C16 @ 400 c/c
- Rafters R2 100 x 50 C16 @ 400 c/c
- P1 - 203 x 133 x 25 UB
- P2 - 305 x 127 x 37 UB
- P3 - 178 x 102 UB
- P4 - 203 x 133 x 25 UB
- P5 - re-use existing timber purlins
- RB1 - 203 x 133 x 25 UB - to carry inner gable

At gable walls set purlins into wall with min 150 end bearing and surround with in-situ Class C35 concrete to give robust lateral restraint to top of gable walls

Note - if a lower-cost scheme is preferred the concrete infill along the top of the wall can be omitted but this will be less robust



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**PROPOSED RENOVATION OF BARN AT LANESIDE FARM ROWARTH FOR MRS.M.WELSBY**

**STRUCTURAL REPAIRS** scale 1:100 drg.no. MW/3 date 12/09