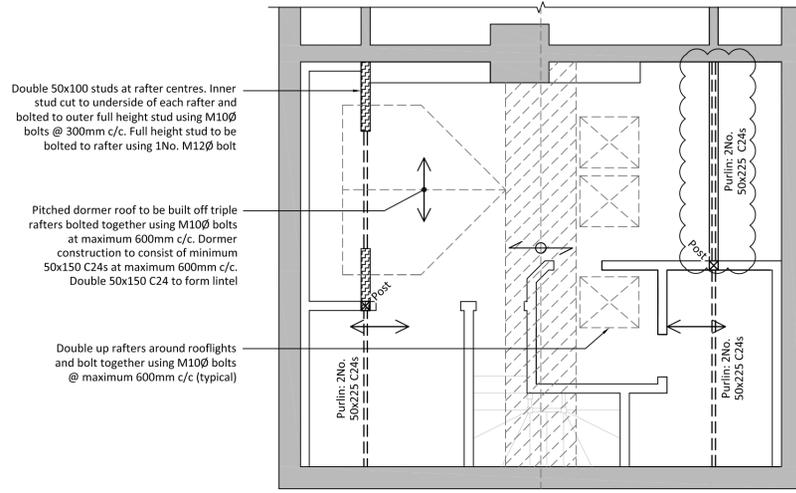
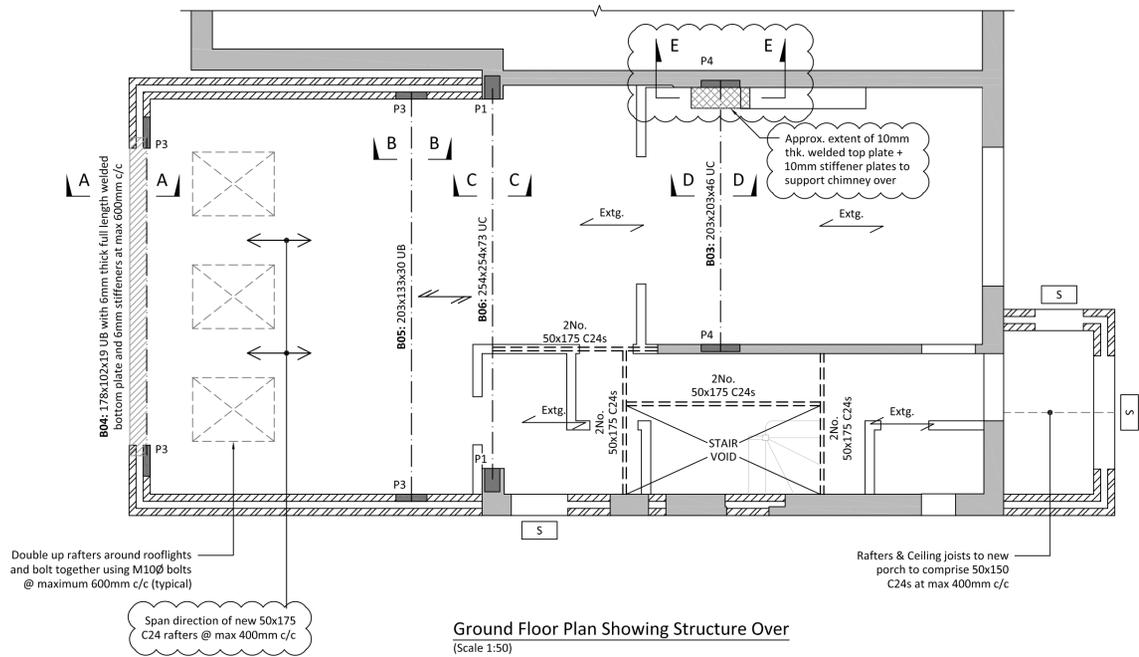


First Floor Plan Showing Structure Over
(Scale 1:50)



Loft Plan Showing Structure Over
(Scale 1:50)



Ground Floor Plan Showing Structure Over
(Scale 1:50)

LEGEND

-  Existing wall to remain
-  Facing brickwork to Architect's details Class (ii) mortar designation above dpc
-  Blockwork: (100mm wide) Minimum compressive strength = 3.6N/mm² Class (iii) mortar designation above dpc
-  Extg. Anticipated span of existing floor joists over to be confirmed by the Contractor prior to ordering materials. If found to be different Engineer to be informed to allow verification of structural design
-  Span direction of existing rafters to be upgraded with additional 50x150 C24s (set alongside and spiked to existing where applicable)
-  50x150 C24 collars bolted between each and every rafter using minimum 2No. M12Ø bolts each side. Collars to be minimum 1.00m wide when measured along the underside
-  Span direction of new flat roof joists min 50x150 C24 @ max 400mm c/c
-  Span direction of new floor joists 50x200 C24 @ 400mm c/c set alongside & spiked to existing ceiling joists
-  Steel beam (size as indicated on plan)
-  Beam to beam connection. Provide 8mm thick welded end plate to supported beam notched into web of supporting beam and bolted using 4No. M16Ø (grade 8.8) bolts. Setting out to fabricator's details
-  P1 Engineering brick padstone 330x215x215mm deep
-  P2 Engineering brick padstone 330x100x150mm deep
-  P3 Engineering brick padstone 440x100x215mm deep
-  P4 Engineering brick padstone 550x100x300mm deep
-  P5 Steel Bearing Plate 350x100x20mm thick
-  2x Double / triple joists bolted together using M10Ø bolts @ maximum 600mm staggered c/c
-  FLITCH 10mm flitch plate bolted between 2No. 50x200mm C24 joists with M10Ø bolts @ maximum 500mm c/c (see details)
-  Timber beam (size as indicated on plan)
-  Post Timber Post 100x100 C24 Refer to details for fixing down requirements
-  S Standard duty cavity wall type lintel by IG or similar equivalent

HEALTH, SAFETY & ENVIRONMENT

It is the responsibility of the client to ensure that those undertaking the works are competent and experienced in the type of work to be undertaken.

In addition to the hazards usually associated with the types of work detailed on this drawing, the following specific hazards have been identified through design risk assessment. The planning and execution of the works should take into account all usual and specific hazards.

Hazards should also be taken into account in the maintenance, operation, decommissioning and demolition of the works.

 Responsibility for temporary works lies with the Contractor at all times

NOTES

1. All dimensions are in millimetres (mm) and levels in metres Above Ordnance Datum (mAOD) unless noted otherwise.
2. Do not scale from this drawing.
3. The copyright in this drawing belongs to dbstructural; the designs and details may not be used on any project other than that indicated in the titleblock.
4. This design assumes that any applicable planning applications, building regulation applications and Party Wall agreements are approved and in place prior to the commencement of works.
5. This drawing is to be read in conjunction with dbstructural drawing number 5847-003.

