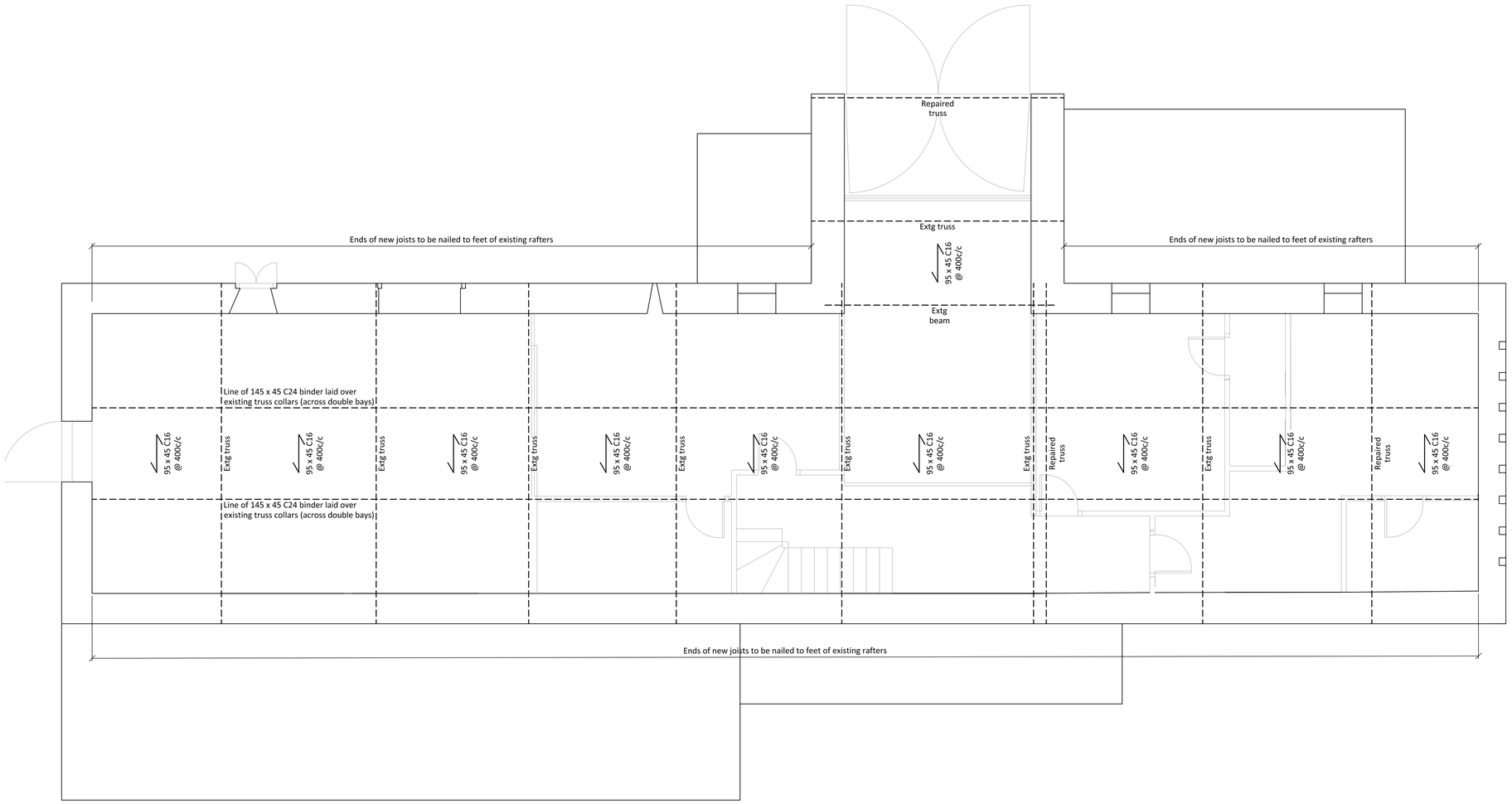


First Floor Plan Showing Structure Over
scale 1:50

Legend

- Steel beam (size as noted in key)
- Crank in steel beam (full strength butt weld)
- Steel column (size as noted in key)
- Timber beam (size as noted in key)
- Rafter (size as noted in key)
- Block and Beam (Size as noted in key)
- Floor joist (Size as noted in key)
- Trussed rafters by supplier
- Timber post (size as noted in key)
- Blockwork inner skin
- Brickwork
- Stone/ recon stone
- Non load-bearing partitions by others
- Studwork wall (size and spacing as noted in member key)
- Pre-stressed lintel with min 150mm bearings (size as noted in member key)
- Padstone (size as noted in member key)

General Notes:

1. Do not scale from the drawing; all dimensions and setting out to either be confirmed by the Architect or by measuring on site.
2. The copyright in this drawing belongs to Barsby Structural Consultants Ltd; the details contained within this drawing can not be used for any other project other than the project stated in the title block.
3. It is the responsibility of the contractor to review the drawing and notify the Structural Engineer of any discrepancies prior to commencing works.
4. All dimensions are in mm u.n.o.
5. This drawing may be subject to planning, building regulations application, party wall agreement, Listed Building Consent. Should this be the case, all works carried out prior to approval are at the contractors/clients risk.

Steelwork notes:

1. These are **not** setting out drawings - steelwork setting out to be determined by the fabricator from site measurement or the Architects drawings.
2. No holes are to be drilled through the steelwork unless agreed with the Structural Engineer.
3. All steelwork to be CE marked in accordance with BS EN 1090-1 & 2. All steelwork to be Execution Class 2.
4. All open sections to be grade S275JR in accordance with BS EN10025-2
5. All hollow sections to be grade S355JOH in accordance with BS EN10210-1
6. All bolts to be m20 grade 8.8; sheradized for internal use, or hot spun galvanised for external use.
7. All fillet welds to be 8mm full profile fillet welds u.n.o
8. Corrosion protection.
   - 8.1. Hidden steelwork; to Corus system B3, with shop applied zinc phosphate epoxy primer 80μm. If in contact with external masonry and additional 2 coats of high build bituminous paint to be applied
   - 8.2. External steelwork; to Corus system B12 hot dip galvanised to BE EN ISO 1461 to 85μm

Timber notes:

1. All softwood timber to be fsC certified stamped grade C16, All hardwood timber to be fsC certified stamped grade D30 to BS 5268 u.n.o, with maximum moisture content of 20% internal use and 40% external use.
2. All fixings into softwood to be galvanised
3. All fixings into hardwood to be stainless steel
4. All nails to be in accordance with BS 1202-1. pre drilling to be maximum of 0.8 x nail diameter
5. All screws to be in accordance with BS 1202. pre drilled holes to be maximum of 0.5 x screw shank diameter
6. All bolts to be grade 4.6 with oversized washers. Toothed plate connectors to be used between adjoining timber surfaces.
7. All notches and holes within timbers to be in accordance with the Building Regulations current version

Masonry notes:

1. All masonry to be in accordance with BS EN 5628-1 and 3.
2. Brickwork to be minimum compressive strength of 20N/mm², with frogs facing upwards.
3. Blockwork to be minimum compressive strength 7.3n/mm² u.n.o.
4. Engineering brickwork to be minimum compressive strength 50N/mm² u.n.o.
5. Below DPC mortar to be designation class (ii).
6. Above DPC mortar to be designation class (iii).
7. Internal blockwork to have movement joints in accordance with the suppliers specification but at a maximum of 6m, unless shrinkage cracking is deemed acceptable.

CDM Risk Schedule:

The client is responsible for ensuring those who undertake the work are suitably experience and competent.
In addition to usual hazards expected with the work covered by this drawing, the following unusual risks have been highlighted risk through assessment. The work must be planned and executed to account for these risks during construction, operation,maintenance, decommissioning and demolition

Reference	Risk description
1	There are no unusual risks identified for this drawing

Date	Description	Rev.
02/09/24	First issue	A

www.barsbystructuralconsultants.co.uk
tel; 07787 322 633
email; mike@barsbystructuralconsultants.co.uk

Drawing Status:
PRELIMINARY FOR COMMENT
Not for construction

Project:
OUTBUILDING
OATRIDGE FARM
EASTCOURT

Title:
CONVERSION SCHEME FOR NEW FIRST FLOOR AND CEILING (SHEET 2 OF 2)

Scale:	Date:	Drawn:
as shown at A1	02/09/24	MPB

Drawing Number: 24.068-1001
Revison: A