

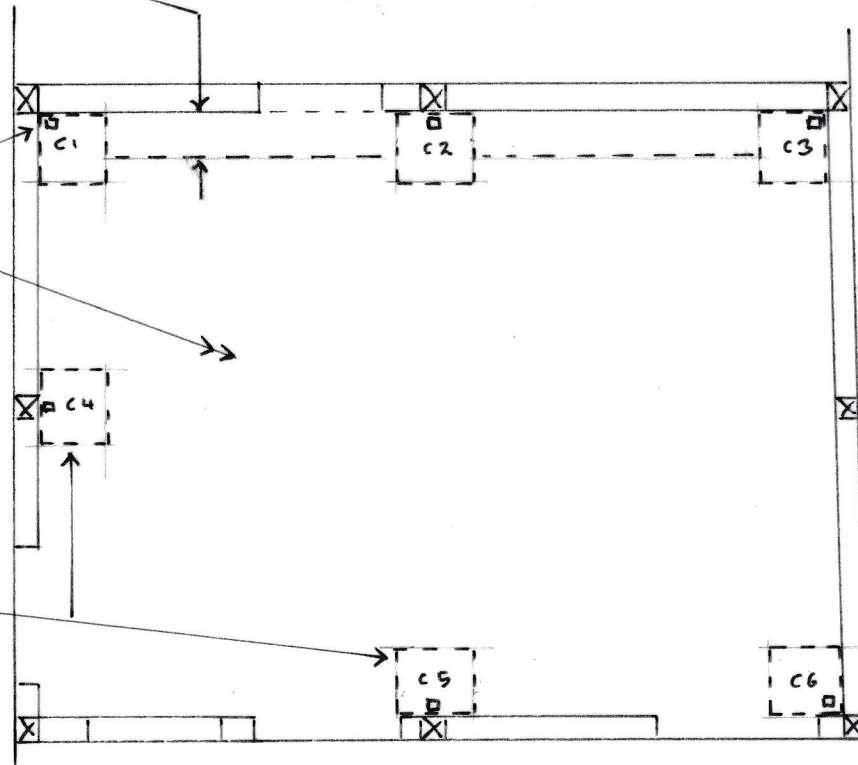
ALTERNATIVE OPTION ①

SUPPORT NEW DOMESTIC FIRST FLOOR
OFF INDEPENDENT STEEL FRAME WITH
POSTS EXTENDING DOWN TO BG
SUPPORTED OFF NEW FOUNDATIONS.
THIS IS SHOWN ON THE FLOOR PLANS
BELOW.

MASS CONCRETE TO
REAR FACE OF
RETAINING WALL
AS DRAWING
0142-10

800 MILD STEEL
POSTS - SAY
60x60 SHS

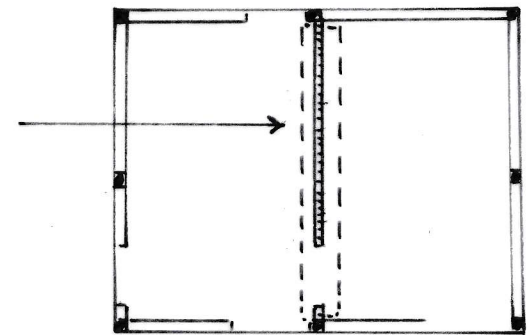
NEW MASS
CONCRETE
PAD FOOTINGS
ALLOW 450mm
EQ, MIN
1000mm DEEP



GROUND FLOOR PLAN.

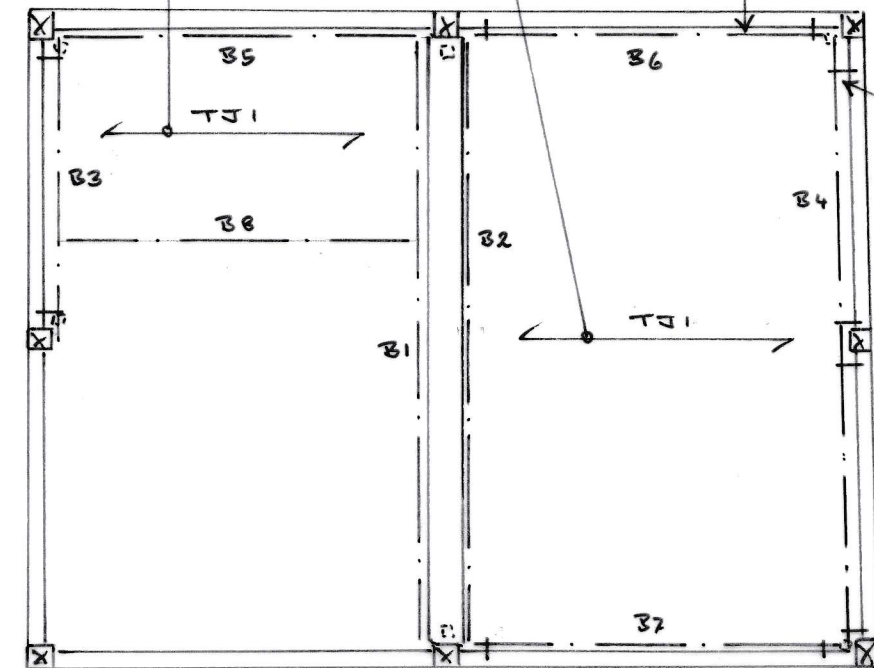
ALTERNATIVE OPTION ②

SINCE NEW DOMESTIC FLOOR
LOADS ARE CONCENTRATED MORE
TOWARDS THE BEAM, MAY BE
POSSIBLE TO REMOVE COLUMNS
NOTED C1, C4, C3 + C6 & REPLACE
COLUMNS C2 + C5 WITH LOAD
BEARING WALL (WALL MARKED
ON ARCHITECTS DRAWINGS),
SITTING ON NEW FOOTING.



NEW FLOOR JOISTS TJ1
AS DRAWING 0142/12.

NEW FLOOR BEAMS B1-B8: ALLOW
180x90 MILD STEEL PFC SECTIONS.



CHANNELS FIXED
TO EXISTING TIMBER
FRAME USING
VERTICALLY SLOTTED
HOLES SO NEW
STEEL FRAME CAN
RELY ON EXISTING
STRUCTURE FOR
STABILITY.

COLUMNS C2 & C5 HAVE FORK-SHAPED
HEAD TO EXTEND EACH SIDE OF
EXISTING TIE BEAM TO SUPPORT BEAMS
B1 + B2.

FIRST FLOOR PLAN.

NOTES

1. This drawing is to be read in conjunction with all relevant architect's and engineer's drawings and the specification.
2. This drawing is based on existing plans of the building prepared by Baker Brown dated Aug 2021.

Rev Date Amendment

11.04.25 ISSUED FOR COMMENT

Project: Barn at Brook Farm, Brook Street, Cuckfield

Sketch title: Stable: Alternative First Floor Structure Support

Sketch No: 0142 / 14

Rev:

Andrew Turner
Engineering

Date: Apr 2025

Scale: 1:50 at A3 Size