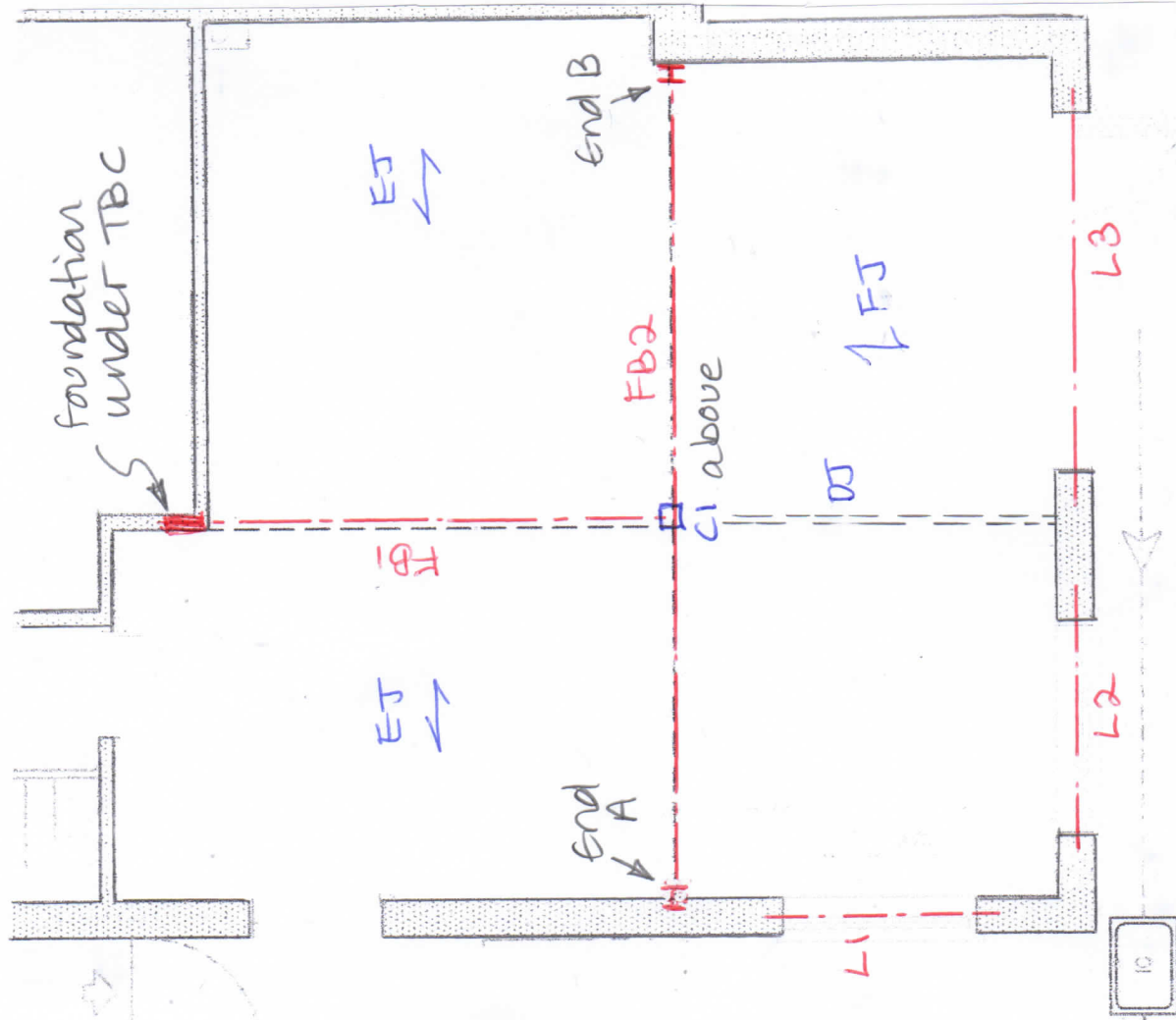




Adequacy of
existing foundations
TBC with Building
Control.

PART GROUND FLOOR PLAN
SHOWING STRUCTURE OVER
(1:50 at A3)

Member Ref	Section
FIRST FLOOR MEMBERS	
EJ	Existing first floor joists. Span directions assumed as indicated - to be confirmed following opening up on site.
FJ	New first floor joists = min C24 47 x 147 at 400 crs. Increase depth if preferred to suit existing joists, if deeper.
DJ	Double joists bolted together under the new partition.
Note: FB1	All new first floor partitions assumed to be timber stud construction. 152 x 152 x 23 UC or 178 x 102 UB. Support on FB2 and with 200mm long bearing on a 100 x 300 x 150h mass concrete or engineering brick padstone on the internal wall. Investigation is required to confirm that there is a foundation beneath the assumed internal load-bearing wall.
FB2	203 x 203 x 71 UC with 10 thk welded top plate where required to support the masonry pier above. Bolt to a cap plate on a 152 x 152 x 30 UC post at each end - 15 thk cap plate, 4 M16 bolts. Posts to have 20 thk base plates bolted to foundations with 4 M16. Alternatively support with 200mm long bearing on a 300 wide x 225 long x full height engineering brick pier at each end. Allow to cast a 750 x 750 x 600 thk pad foundation centred under end A. (Depth and final details TBC on site). Allow to cast a 650 x 650 x 600 thk pad foundation centred under end B. (Depth and final details TBC on site). Existing lintel details to be confirmed. IG L1 / S or equivalent standard cavity lintel required. Existing lintel details to be confirmed. IG L1 / S or equivalent standard cavity lintel required. Existing lintel details to be confirmed. IG L1 / HD or equivalent heavy duty cavity lintel required.
L1	
L2	
L3	
Note:	The member sizes indicated above are the minimum required and may be increased if preferred to suit Architectural / construction details.

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Client:	Mr and Mrs Sheppard
Project:	23 Pierson Road Windsor, SL4 5RJ
Title:	Proposed Extension and Alterations First Floor Level Structure
Date:	May 2022
Drg No:	02
Rev:	