

ALL ELEMENTS ARE INDICATIVELY SET OUT.  
CONTRACTOR TO DETERMINE ALL SETTING OUT  
ONSITE IN CONJUNCTION WITH ARCHITECTURAL  
PROPOSALS AND EXISTING STRUCTURE.  
ALL LEVELS ARE ASSUMED.



PROPOSED FIRST FLOOR LAYOUT  
INDICATING STRUCTURE OVER  
1:50

ALL WORKS TO BE AGREED WITH  
PLANNING CONSERVATION OFFICER

This drawing is to be read in conjunction with all other relevant documentation.  
**Do not Scale**  
All setting out by contractor. Report all discrepancies to bdi Structural Solutions.  
**Drawing Copyright of BDI Structural Solutions ©**  
Client required to comply with requirements of Party Wall Act as required by nature of work.

**NOTES**

BDI Structural Solutions Drawing Numbering  
Example: S1 01

S = Drawing Type 1 = Series Number 01 = Number in Series

Drawing Referencing	
Drawing Type:	Series Numbering:
S = Structural	1 = Structural Layouts
C = Civil (Drainage & Highways, etc)	2 = Structural Elevations
V = Survey	3 = Structural Sections
L = Landscaping	4 = Site Layouts
	5 = Structural Details
	6 = Structural Notes

Section and Detail Notation  
Section S2 01C - S2 01C indicates section C on drawing no. S2 01  
Detail S5 01P indicates detail F on drawing S5 01

Where a detail is denoted as 'typical', this is a general, non specific detail to inform established building methods and good practice. This type of detail can be varied onsite to account for site specific conditions.

Where a detail is denoted as 'indicative', this is a specific detail demonstrating critical project specific information. This type of detail has been determined to the best of our ability with the site specific information we have, but will require full co-ordination onsite.

**Setting Out**  
Due to the nature of working with existing buildings all levels, setting out and dimensions are to be derived onsite in accordance with the relevant architectural and structural details.

**Manual Handling**  
Where block weights are in excess of 20kg, contractor is to either:  
-provide and ensure use of mechanical handling device.  
-make provision for two person teams to be employed in the lifting of blocks.

**Residual Risks**  
A designer's risk assessment (DRA) has been completed by the structural engineer and should be referred to when reading this drawing.

**Masonry Notation**

	Existing Assumed 15N brickwork in M4 Mortar
	100mm 7N concrete block in M8 mortar. Density to Architect's details
	100mm 15N brickwork to Architect's details in M6 mortar
	Timber stud walls to Architect's details

**Floor Span Notation**

	Denotes span of 47x150mm C24 timber floor joists at 400c/c (Joists to be tanalised)
	Denotes assumed span of existing timber floor joists

**Roof Span Notation**

	Denotes span of 47x225mm C24 timber roof joists at 400c/c
	Denotes assumed span of existing timber roof structure

**Steel / Timber Beam Notation**

Steel Reference (See key for sizes)	
Denotes moment connection	
Steel References DO NOT represent actual section size	
Moment connections are critical connections which must be fabricated and installed as detailed. The requirement for the column and connection is essential to the global stability of the structure. Under no circumstances should the column and connection be omitted.	

**Padstone Notation**

Ref	Size	Type
PS01	215x100x150mm	Mass Concrete
PS02	215xWOWx215mm	Mass Concrete
PS03	330x100x215mm	Mass Concrete

\* WOW = Width Of Wall

**PRELIMINARY**

Rev	Date	Drawn	Chkd	Rev'd
PO	11.03.22	JDH	DA	NF

**bdi** Structural Engineering Solutions  
Stafford Court, Washway Road, Sale, M33 7PE  
www.bdistructural.com  
T: 0161 969 3886 F: 0161 969 3884 E: info@bdistructural.com

Client: Warren Kozera

Project: Fisher House

Drawing Title: Proposed First Floor Layout

Scale: As shown at A1 Drg No. 20218866

Drawn: JDH Checked: DA Reviewed: NF  
Originated Date: 11.03.22  
Status/Rev: PO