



Notes

1. This drawing is to be read in conjunction with all engineer's drawings and specifications.
2. Do not scale from this drawing.
3. The information contained on this drawing has been taken from historic record drawings. All details, dimensions and levels to be confirmed on site by the contractor prior to the works being undertaken.
4. The contractor shall at the outset establish with the local authority their requirements for inspection of the works and adhere to these. The contractor shall give MHA at least 24 hours notice a bressummer is ready for inspection before resin setting.
5. The contractor is responsible for the temporary stability of the structure and the design, installation and maintenance of temporary works. Clear and considered temporary works proposals including method statements are to be submitted to MHA for comment at least two weeks prior to their installation on site.

The outline methodology should be for all significant loading to be removed from the tributary floor around the bressummer to be strengthened. Floorboards are to be carefully removed and stored for re-installation following the strengthening works.

To minimise deflection the bressummer is to be carefully propped onto the floor bressummer line below using adjustable steel props with soft packs over the head plates to minimise the risk of damage to the ceiling finishes.

Strengthening works, as shown on drawing 05, are to be carefully carried out with the propping remaining in-situ for at least 3 days following the resin setting of the steel reinforcement bars.

6. All steel reinforcement to be 500/mm² yield stress 'B' bars.

Bressummer Location Plan

- denotes bressummer on plan opposite
---*--- denotes bressummer to be strengthened

a	b	c	d
e	f	g	h

Floor	Ref	Bressummer Size		Strengthening Required?
		B (mm)	D (mm)	
Ground	a	320	260	N
	b	Omitted		N/A
	c	320	250	Y
	d	320	250	Y
	e	340	250	Y
	f	340	250	Y
	g	350	250	Y
	h	350	250	Y
First	a	360	280	N
	b	360	280	Y
	c	360	270	Y
	d	360	280	Y
	e	360	280	Y
	f	360	280	Y
	g	360	280	Y
	h	360	280	Y
Second	a	320	250	N
	b	300	255	Y
	c	330	260	Y
	d	325	275	Y
	e	320	250	Y
	f	330	240	Y
	g	330	290	Y
	h	325	260	Y

For details of strengthening works, see drawing 05.

Rev.	Date	Made by	Amendments
Status	APPROVAL		



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Job Title	6 NEW SQUARE, LINCOLN'S INN, WC2A			Job No.	11 018
Drawing Title	FIRST FLOOR- BEAM STRENGTHENING			Drg. No.	03
Scale @ A1	Date	Drawn	Checked	Rev.	-
1:50	AUG '11	SM			