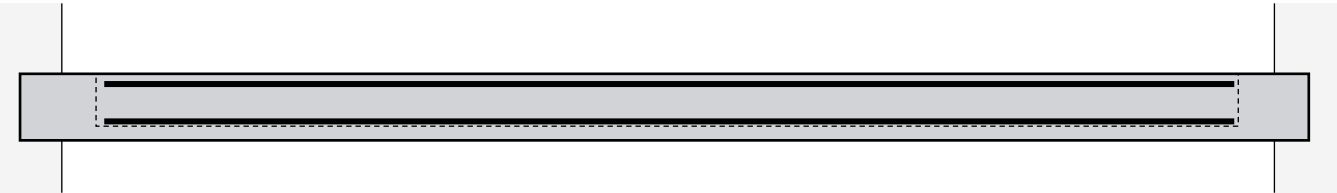
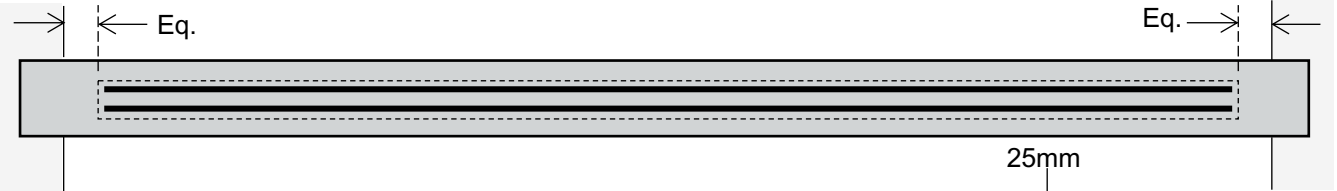


DETAIL 1- BRESSUMER A 220D X 250W

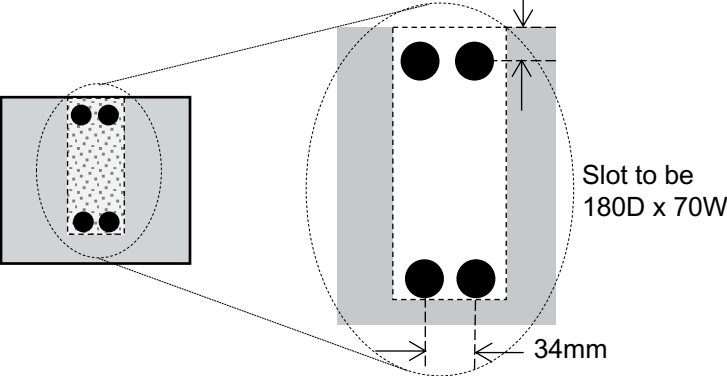


ELEVATION



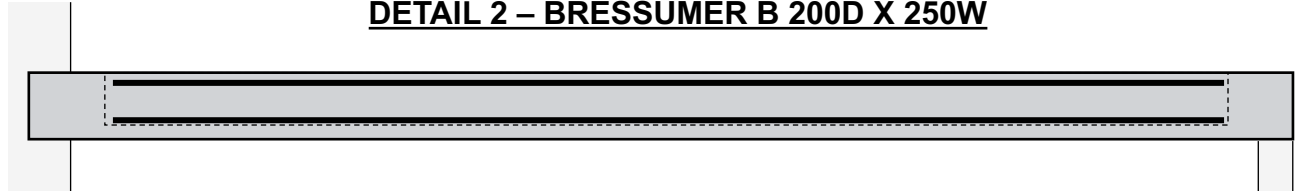
PLAN

4B24 H.T. reinforcement bars
set in epoxy grout Rotafix TG6.
L = 3800mm

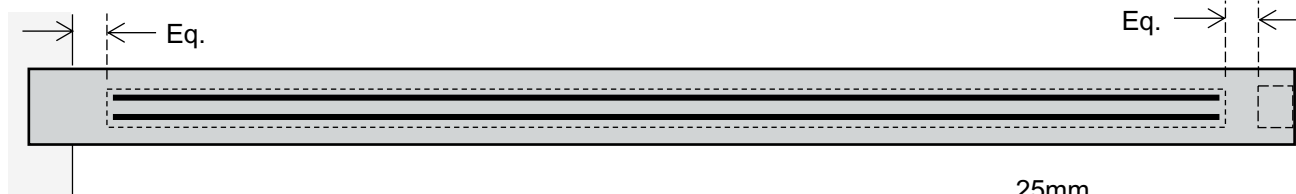


TYPICAL SECTION

DETAIL 2 – BRESSUMER B 200D X 250W

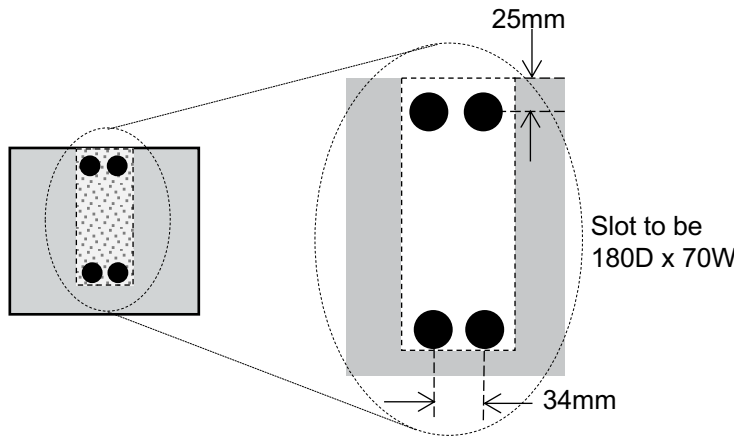


ELEVATION



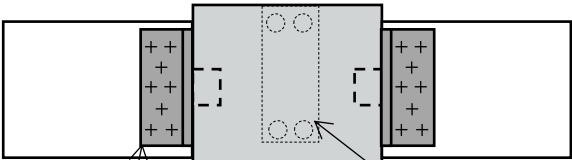
PLAN

4B24 H.T. reinforcement bars
set in epoxy grout Rotafix TG6.
L = 3600mm



TYPICAL SECTION

**DETAIL 3- STRENGTHENING SHEAR CONNENCTION
JOISTS MEETING BRESSUMERS**



Pair of Simpson Strongtie Angles AE
76-R fixed with proprietary nails as
specified by manufacturer. Alternatives:
Simpson Strongtie adjustable hanger
SDE 440/30.

Strengthening bars
dashed for clarity

NOTES

1. This drawing is to be read in conjunction with all architects', engineers' drawings and specifications.
2. Do not scale off this drawing.
3. All dimensions are to be confirmed on site by the contractor.
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 at least 24 hours notice a bressummer is ready for inspection before resin setting to allow MHA to visit.
5. The structure is designed for the final condition. 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.
6. The bressummer strengthening works are to only be undertaken by a specialist contractor with experience and a proven track-record with these type of works.
7. The outline methodology for the works is as below:
 - Remove all significant loading 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. Temporary boarding to be provided on either side.
 - To minimise deflection the bressummer is to be carefully propped onto the basement floor using adjustable steel props (e.g. Acrows).
 - Top face of the bressummer is to be de-nailed.
 - Install guides and cut either side of the slot with a chainsaw for the full specified length.
 - Further holes are then drilled to the full depth at the two ends.
 - Chisel the waste timber from the slot and trim the slot to the specified size.
 - Resin fill splits, shakes and mortice ends with the slot to prevent leaks.
 - Install the reinforcing bars with all the necessary steel spacers to ensure the bars are secured in the specified locations.
 - Install the low viscosity resin, strictly in accordance with the manufacturer's recommendations.
 - The propping is to remain in-situ for at least 3 days following the resin setting of the steel reinforcement bars.
6. The contractor is to provide and install all shims and packs necessary to achieve the levels shown on the drawings.
7. All proprietary products are to be used strictly in accordance with manufacturer's details and requirements.

NOTES
1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS
2. DO NOT SCALE THIS DRAWING. ALL DIMENSIONS AND LEVELS TO BE CONFIRMED ON SITE.

Rev.	Date	Made by	Amendments
Status PRELIMINARY			



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Job Title 59 Lambs Conduit Street, WC1N 3NB				Job No. 21015
Drawing Title Strengthening Details				Drg. No. SK05
Scale @ A3 1:25 - 1:10	Date OCT-21	Drawn MC	Checked RD	Rev.