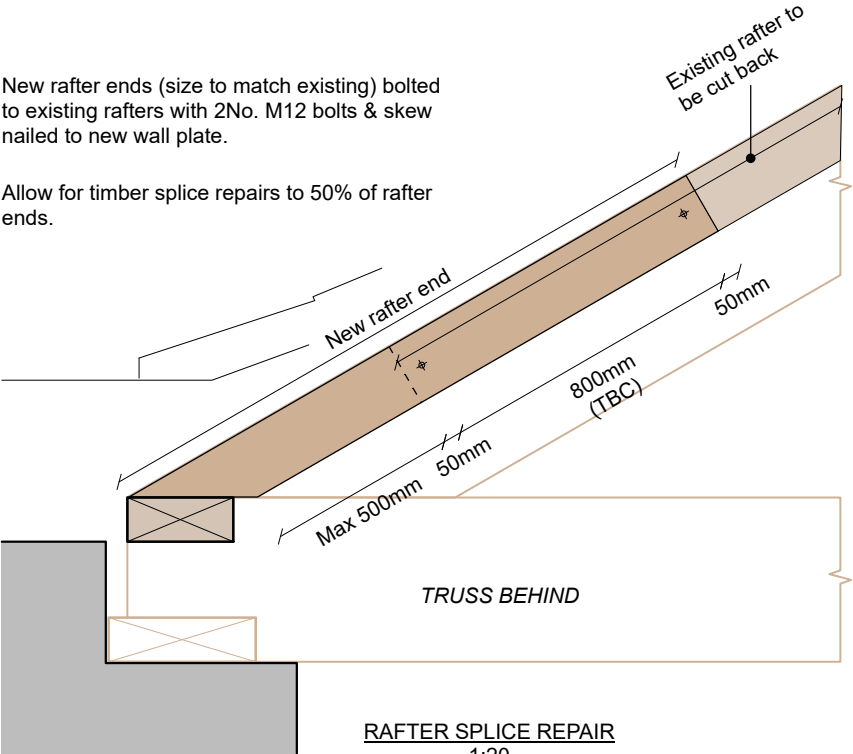
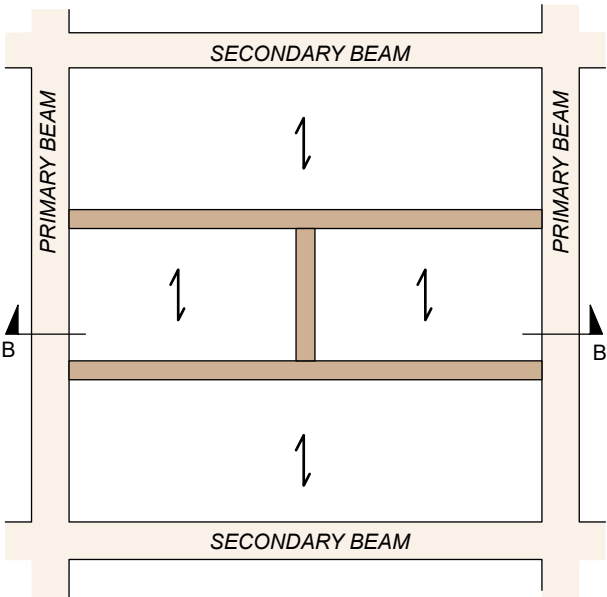


New rafter ends (size to match existing) bolted to existing rafters with 2No. M12 bolts & skew nailed to new wall plate.

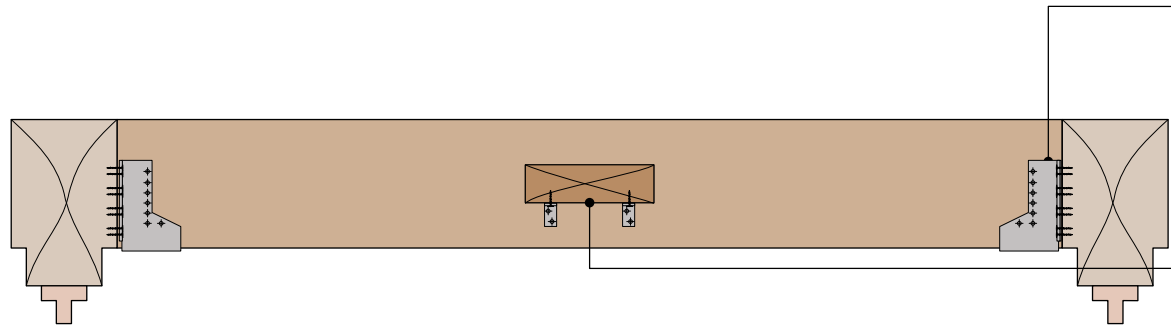
Allow for timber splice repairs to 50% of rafter ends.



RAFTER SPLICE REPAIR
1:20



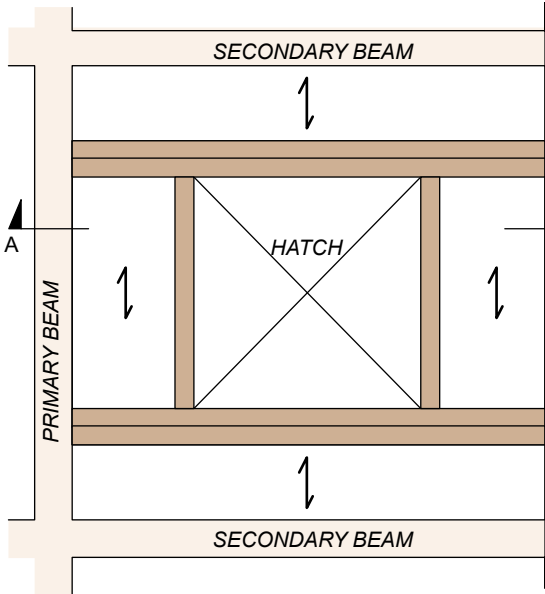
PENDANT LIGHT SUPPORT
(GF CEILING)
1:20



SECTION B-B - PENDANT LIGHT
SUPPORT
1:20

50 x 170 C24 timber joists end-fixed to primary timbers via joist-hangers such as Expanet type M33550, using 3.75 x 30mm nails as per Manufacturer's recommendations (primary beam width unsuitable for M12 coachscrews).

Proposed pendant light to be supported from 170 x 50 timber end-fixed via pairs of angle brackets such as Expanet AB303015 using 30mm x 3.5mm dia wood screws to 50 x 170 timber joists spanning between primary beams.

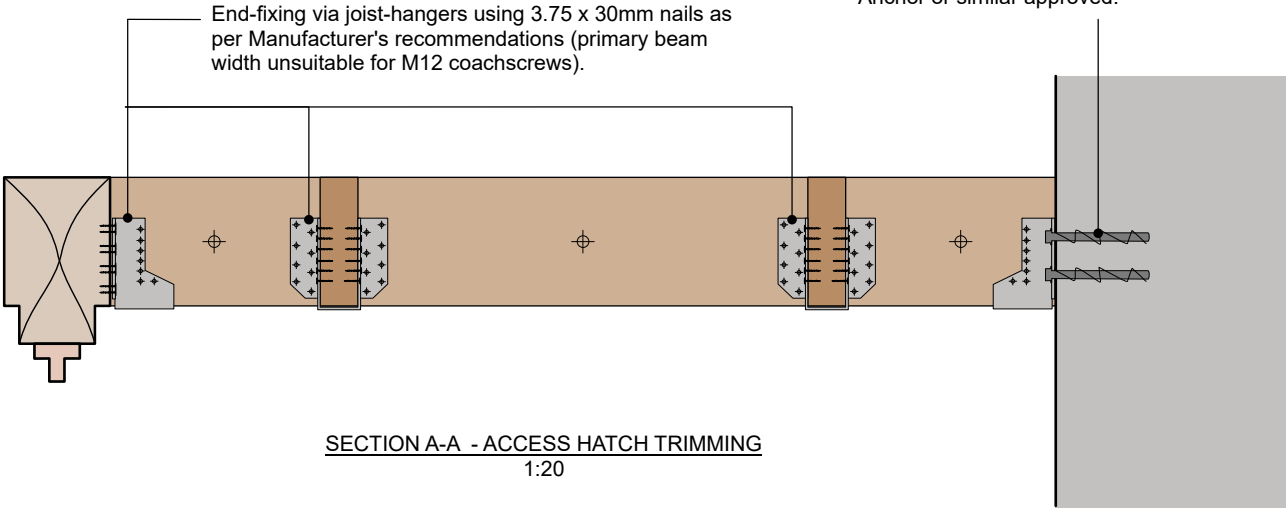


ACCESS HATCH TRIMMING
1:20

Proposed hatch trimming to comprise 170x50 C24 joists cut to suit dimension required. Joists to be arranged as shown, doubled up where perpendicular to joist span and fixed together via 3No. M12 bolts.

Joists to be end-fixed to doubled-up joists and primary beam/ masonry wall as appropriate, via joist-hangers such as Expanet type M33550.

Refer to Architect's information for hatch size and setting out.



SECTION A-A - ACCESS HATCH TRIMMING
1:20

End-fix joist hanger to masonry via 4No. M12 stainless steel masonry screws such as Hilti HUS4-HR Screw Anchor or similar approved.

NOTES

1. This drawing is copyright and may not be reproduced without the permission of Mann Williams.
2. All drawings are to be read in conjunction with the project specification with all works carried out in accordance with the latest British Standards and codes of practice.
3. Any ambiguities or discrepancies between this drawing and any other information given elsewhere must be reported to Mann Williams for clarification before work proceeds.
4. All dimensions to be checked on site and any discrepancies reported to the engineer before work commences.
5. Only figured or calculated dimensions should be used and no drawing , in any format should be scaled.

CDM RESIDUAL
STRUCTURAL AND
ENVIRONMENTAL RISKS



1.

In accordance with the Contractors (Design & Management) Regulations 2015, Mann Williams has undertaken a design risk assessment for the elements of work shown on this drawing, residual risks are identified above.

REV	DESCRIPTION	BY	DATE
T1	FOR TENDER	BJ	05.03.26

P-PRELIMINARY	T-TENDER	CONSTRUCTION
---------------	----------	--------------

PROJECT
COLEFORD
CLOCKTOWER

TITLE
REPAIR DETAILS
SHEET 2

MANN WILLIAMS
CONSULTING CIVIL AND
STRUCTURAL ENGINEERS
53 MOUNT STUART SQUARE
CARDIFF CF10 5LR
T 02920 480333
F 02920 435920
E cardiff@mannwilliams.co.uk

DRAWN	CHKD	SIZE	SCALE	DATE
BJ	PR	A3	VARIES	25.10.2023

STATUS		
TENDER		
PROJECT	DRAWING	REV
11954	102	T1