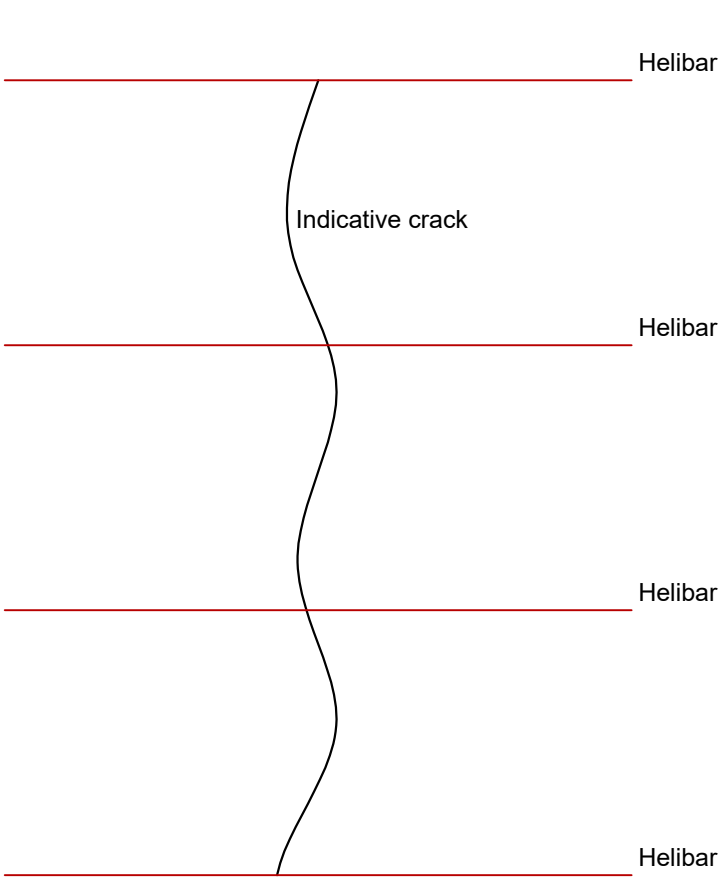
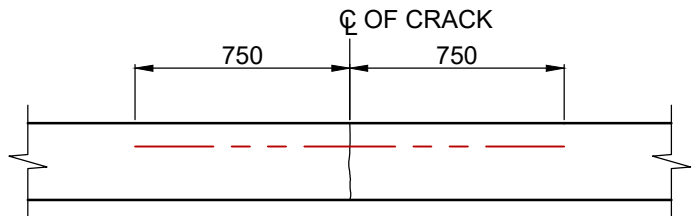




Note: Cracked masonry to be broken out and replaced.
Hand tools only to used

Detail B - Elevation View Typical
section on cracking above the
entrance door
(Scale 1:20)

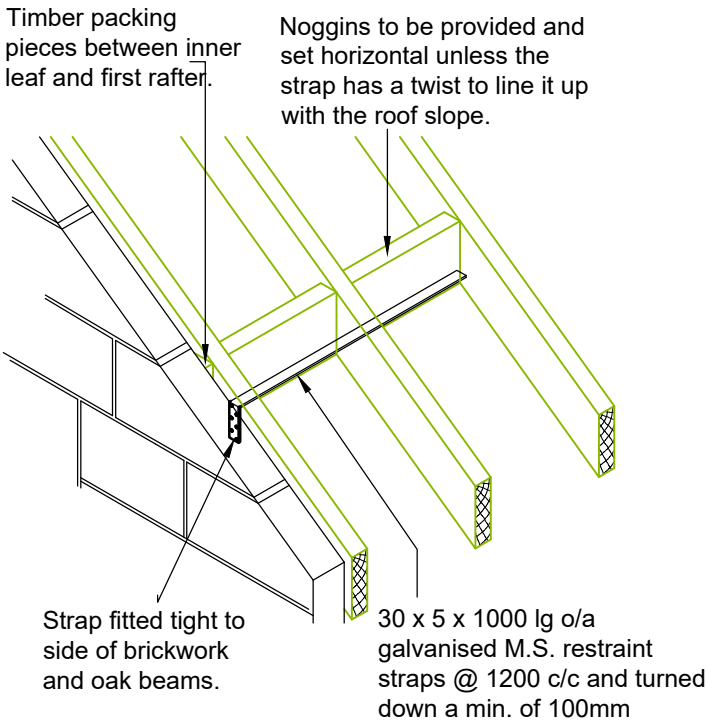


PLAN VIEW OF STICH LINTEL

SEQUENCE OF OPERATIONS.

1. Cut out fractured masonry and replace with brick to match existing. Use mortar to match existing.
2. Chase out 1500lg x 70mm dp slots along bed joints at 450 vetical centres.
3. Fix Stainless Steel Helibar (or similar approved) across the joint and bond in with Manufactures mortar/epoxy in accordance to their specification and advice. Finish manufactures mortar15mm from face of brick.
4. Once mortar has set, clean out all dust, moisten and complete pointing in mortar and finish to match existing.
5. If crack extends to other side of masonry, complete operation on other side.
6. Between Helifix Ties allow for expoxy Resin injection for cracks <10mm in accordance to notes

Detail C - Helifix Stich Repair Detail
(Scale 1:20)



Detail E -Lateral Restraint Of
Gable Wall.
(Scale 1:20)

SPECIFICATION FOR CRACKS REPAIRS TO BRICKWORK

General: Allow for cutting back 450 mm width of plaster finish along lines of cracks to expose brickwork for inspection by the Engineer and to agree form of repair.

Where crack injection is specified:

Allow for "Sikadur 52" or similar approved epoxy crack injection liquid to be used for bonding all structural cracks between 0.2 mm and 3 mm.
Allow for "Sikadur 31" or similar approved Thixotropic epoxy adhesive mortar for cracks between 3 mm and 10 mm.

If called up in the works schedule or agreed on site, incorporate 6 mm dia 'Helibar' stainless steel crack stitches - 1500 mm long at 450 mm centres by Helifix Ltd - Tel.: 0181 749 4346.

Preparation and use to be strictly in accordance with manufacturer's instructions.

Where Brick Stitching is specified: Cut out and replace cracked bricks with matching bricks set in 1:2:9 :lime:sand mortar. Matching means if a wall is built in second quality stocks use a similar brick to replace.

All damaged and cracked brickwork should be replaced. Allow for replacing a 450 mm width of brickwork up the full height of crack.

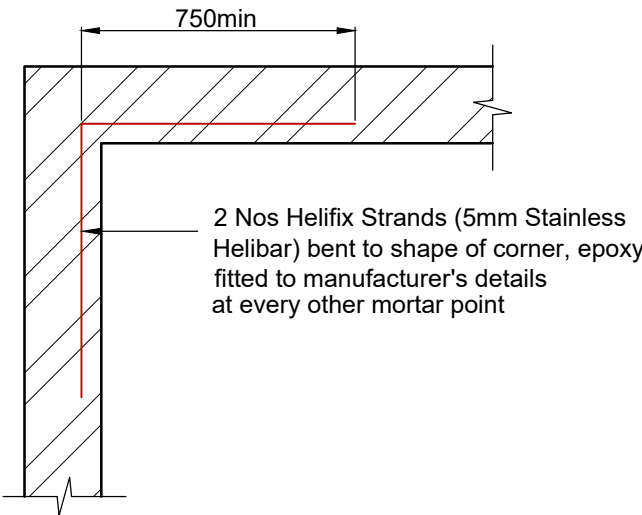
Where stitch lintels are specified: Cut out 1000 long x 150 high x 110 deep pockets in wall. Set in 100 x 100 x 900 long prestressed concrete lintels, drypacking the remaining voids. Lintels to be at 750 mm vertical centres.

Where concrete elbows are specified: Where cracking occurs to internal corners, concrete elbows may be specified to re-bond the masonry around the corner. These should be installed in accordance with Structural and Civil design. Standard detail, if called up in the works schedule.

External: Where appropriate allow for cutting back render for inspection. Repair using resin injection or brick stitching as specified. In facing brickwork, allow 15 mm recess in bed or perpend joints for re-pointing in same coloured mortar to match existing. Where cracked bricks are being injected, mix resin with brick dust as required matching existing facing. New bricks may require a soot wash to provide a good match if necessary.

Internal: Cut back plaster for inspection. Confirm and agree method of repair.

Safety: When cutting out brickwork for the insertion of lintels or to replace damaged bricks, ensure brickwork above does not become de-stabilised. Refer to Demolition and Temporary Works section of specifications.



SEQUENCE OF OPERATIONS.

1. Cut out fractured masonry and replace with brick to match existing. Use mortar to match existing.
 2. Chase out 1500lg x 70mm dp slots along bed joints at 450 vertical centres.
 3. Fix Stainless Steel Helibar (or similar approved) across the joint and bond in with Manufactures mortar/epoxy in accordance to their specification and advice. Finish manufactures mortar15mm from face of brick.
 4. Once mortar has set, clean out all dust, moisten and complete pointing in mortar and finish to match existing.
 5. If crack extends to other side of masonry, complete operation on other side.
 6. Between Helifix Ties allow for epoxy Resin injection for cracks <10mm Allow for "Sikadur 52" or similar approved epoxy crack injection liquid to be used for bonding all structural cracks between 0.2 mm and 3 mm.
- Allow for "Sikadur 31" or similar approved Thixotropic epoxy adhesive mortar for cracks between 3 mm and 10 mm.

Detail D: Gable wall and cross wall
Helifix Corner Elbow Details
(1:20)

-	23/10/2024	First issue for comment
Rev	Date	Amendments

29 Wealden Close
Hildenborough
Tonbridge
TN11 9HB

020 3287 4066

Anchor.
Reinforced concrete detailing

And Structural
Engineers

Client: Heidi Norman

Project: The Granary, Great Wapses Farm, Heinfield, BN5 9BJ

Title : Section and details

Job Number	Drawn	Scale
2439	NW	As shown
	Chkd	@ A2
Dwg Number	Rev	Date
SL-04	-	Oct '24