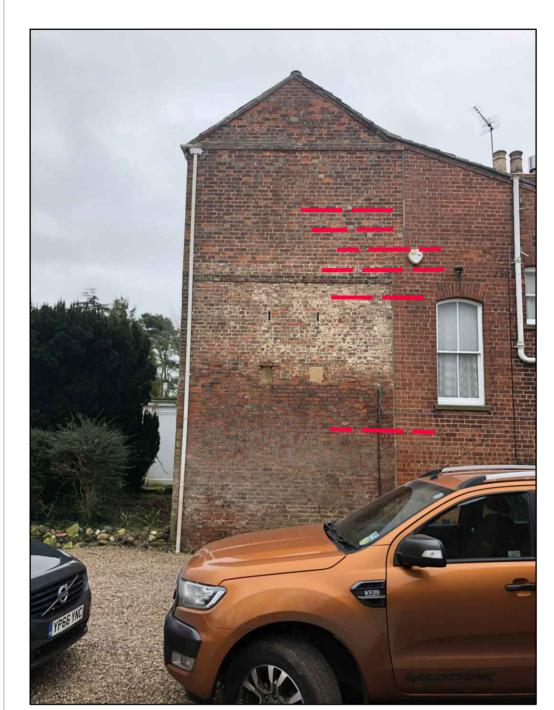
Should any discrepancies between the details/ dimensions indicated on this and/or any other relevant drawings Designspace Architecture Ltd must be notified immediately.



Produce mortar samples to match existing

Cut out bricks from wall in patches not exceeding 10 No bricks and replace like for like in size. colour & texture

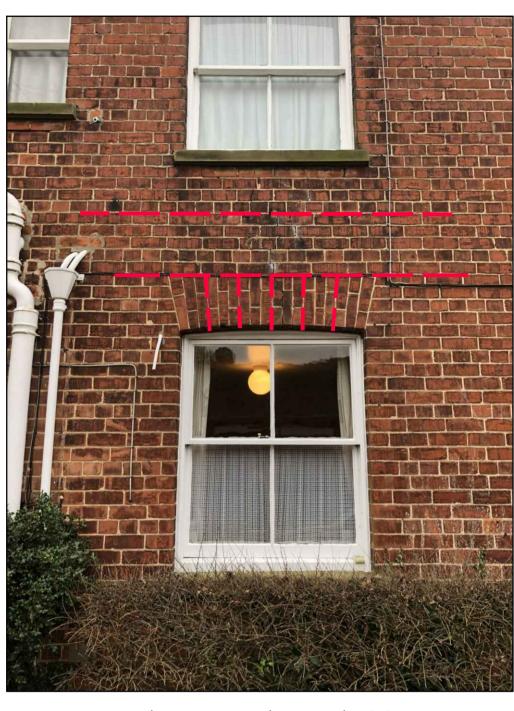
Helibar Repair, - Approved Use Only. Carefully rake out mortar joints in brick/block wall. Supply and fix external 1000mm stainless steel stitching anchors using 6mm diameter austenitic stainless steel rods (6mm Helibar rods Grade 304 or similar approved). Provide proof of Certification. Ensure adequate key through dampening of surface and stitch in new work using a 1:1:6 cement lime sand mortar, colour and profile to match existing as far as is reasonably practical



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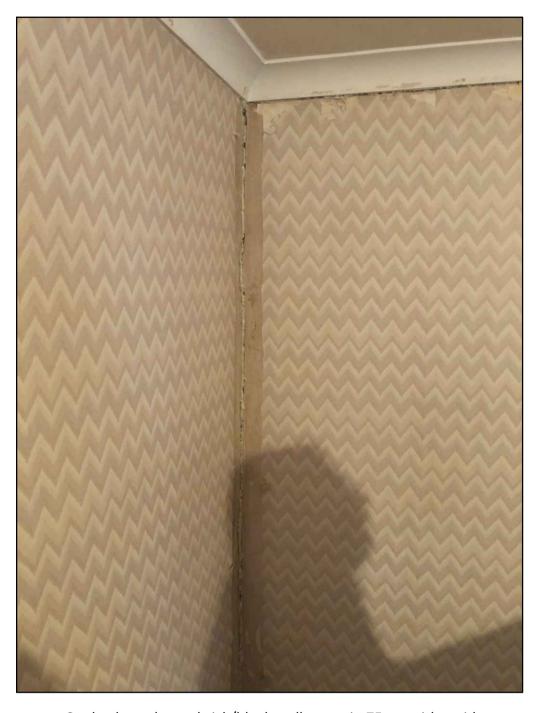
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Cut back render on brick/block wall to a min 75mm either side of cracking. Carefully rake out fractured mortar bed joints. Wedge and repoint using a 1:1:6 cement lime sand mortar, colour and texture to match existing as far as is reasonably practical. Supply and fit Expamet mesh and render, including applying PVA bonding agent, to match existing pattern and texture as far as is reasonably possible fixed to brick

Make good plaster & re-decorate

Existing Single Brick external wall to be carefully taken down,

bricks cleaned and rebuild arch by re-using bricks and lime

mortor. Produce mortar samples to match existing.

Re-bed coping stone



Cut out bricks from wall in patches not exceeding 10 No bricks and replace like for like in size. colour & texture

Make good & re-decorate

Thor Heliforce bars and Drive Fix Ties

 Remove all dust and debris from the slot and seal all faces of the slot using Thor HR primer. Load the Thor Flexi Grout into the Flexi Grout aun.

Install the second Thor Heliforce bar into the slot and cover with a third excelerated setting time, shows me growthe come to dettill for inject, empty the contents of the gun back into the mixing bucket Reag State the embtrue using the Paddle ember, without addling additional fulsi. Then relaced the hipetion gun and proceed as before. 9 Drill plotted holes for thory Drive Fix ties to the underside of the historythams whose the opening. To

Install the Thor Drive Fix ties into the pre-drilled pilot holes using the Drive Fix installation tool.

. 2.5Kg SDS Hammer drill

Finished dept h of slot to be approximately 45-55mm Finished thickness of slot to be no less than the thickness of the mortar bed

. Where the crack is less than 500mm from the edge of the wall, Thor Hellforce bar should be returned a minimum of 100mm beyond the comer, in the case of an internal angle the bar should be returned into the angle a minimum of 100mm. The top and bottom cords of each masonry beam should be separate by as much vertical spacing as is practical up to a maximum vertical spacing of 900 mm. Masonry fractures located within the cords of the beam must be backfilled with Thor epoxy non-shrink resin.

limatic conditions As Thor Flexi grout is a cementitious product it should not be used when the tempature is $+4^{\circ}C$ and falling.

RECOMMENDED TOOLING . Grout mixing paddle and drill, or paddle mixer hor HR Grouting gun and injection nozzle. . FingerTrowel forfinishing. Thor Drive fix installation tool and pilot drill of appropriate size

General Notes
These notes are for general use only. Should these notes not apply to your peofic project, please consult the Thor Helical Remedial Technical Support
Team on 0870 6006 (64, Thor Helical Remedial are able to offer a full project design service by at the our in house design team or our National
network of Approved Installers. In most instances this service is provided these of charge. Projects completed by our network of approved installers.

Repair of Failed Brick Arch Lintels using Creating Load Bearing Beams in Solid Walls using Heliforce Bars

 Using a twin bladed, diamond-tipped wall chaser and vacuum attachment, cut slots into the horizontal mortar joints, to the specified depth and at the required vertical spacing. Ensure that NO mortar is left attached to the

provide a good masonry grout bo

2. Remove ALL dust and mortar from

by a minimum of 500mm.

the slots and thoroughly flush with water. Where the substrate very porous or flushing with wat is inappropriate, use Thor HR Primer. Ensure the slot is dam The following criteria are to be used unless specified other

Depth of slot into the masonry to be 55mm to 70mm. 3. Mix Thor Flexi Grout using a pow Height of slot to be equal to full mortar joint height, with a mini If Heliforce Bars are to be joined in a straight run, overlap the bars

mixer and load into the Thor HR Grouting Gun Kit. 4. Inject a bead of Thor Flexi Grout approx.15mm deep, into the back of the slot.

Push the first Heliforce Bar into the grout to obtain good

 Inject a second bead of Thor Flexi
Grout over the exposed Heliforce Ba into the grout to obtain good

8. Inject a third bead of Thor Flexi Grout over the exposed Heliforce Bar and iron it into the slot using a finger trowel. Inject additional Thor Flexi Grout as necessary, leaving 10-15mm for new pointin

Point up the remaining slot with matching mortar to suit.

. In hot conditions ensure the misonry is well wetted or primed to prevent premature curing of the Thor Flexi Grout due to rapid de-watering. Ideally additional wetting of the slot, or priming with Thor HR Primer, should be carried out just prior to injecting the Do not use FlexiBond when the air temperature is +4°C and falling. In all instances the slot must be thoroughly damp or primed prior to injection of the Thor Flexi Grout.

top and working down to the bottom.

. Top and bottom reinforcements should be positioned as far apart as practicable, up to a maximum distance equivalent to 12 brick course

Any missing or very poor quality masonry MUST be replaced. Multiple cords of Heliforce Beaming should be installed starting at

soon as is convenient after the Tho Flexi Grout has started to gel.

Crack Stitching a Solid Wall using Thor Heliforce Bars

 Cut the required number of Thor Heliforce bars to the appropriate length, ensuring that they fit into the prepared slots. SPECIFICATION NOTES A. Finished depth of slot to be approximately 35-40mm deep. 4. Mix the Thor Flexi Grout Finished thickness of slot to be no less than the thickness of the

Load the Thor Flexi Grout into the Flexi Grout gun.

 Inject a 10-15mm thick boad of grout into the back of the prepa slot. Insert the Thor Heliforce ba-into the slot pushing the bar to back of the slot to ensure displacement of the grout. спързаселент от the grout.

7. Install a further 10-15mm boad of Flexi Grout ensuring the bar is fully covered. Force the Flexi grout into the slot using a finger trowel, ensur the Grout and bar composite is tigh packed into the joint.

G. Do not use Thor Flexi Grout when the air temperature is +4^tC and falling. In all instances the slot must be thoroughly damp or primed prior to injection of the Direct Bond grout. The Grout should finish approximately 10mm from the surface of the brickwork, allowing for application of mortar pointing to finish the repair. 9. Note. Pointing can be com

B. Grout mixing paddle and drill, or paddle mixer C. Thor HR Grouting gun and injection nozzle.

E. Cracks in bricks to be made good with coloured sand and cement mortar. Where a crack is less than 500mm from the end of a wall or an opening the Thor Hellforce Bar is to be continued for at least 100mm around the corner and bonded into the adjoining wall or bent back and fixed into the reveal, avoiding any DPC membrane.

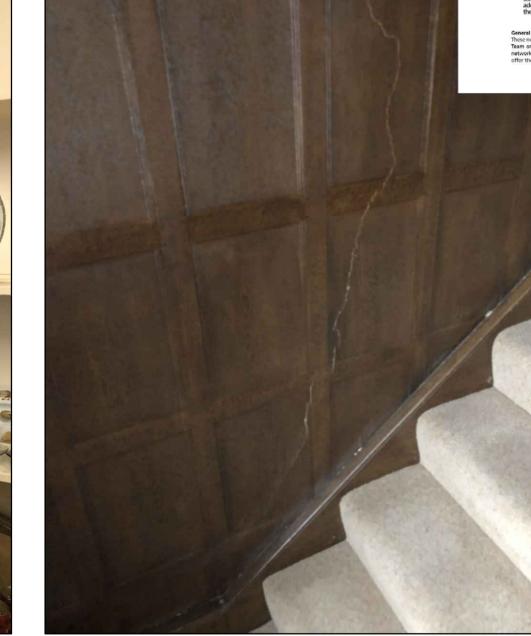
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Make good plaster & re-decorate



Remove Lincrusta Wall paper and make good plaster work beneath on a like for like basis. Redecorate with Lincrusta Wallpaper - special order - bespoke production

REV:	DETAILS:	DATE:	DWN:	CH'D:
DRAWING STATUS: Planning		STATUS CODE:		

01427 782 888

Tower House, Lucy Tower Street Lincoln, Lincolnshire, LN1 1XW

CHECKED:

GEDLER LTD

BROTHERTOFT HALL SUBSIDENCE CLAIM

DRAWING TITLE: PROPOSALS

DATE: DRAWN: 02/20

SCALE: PAPER SIZE: REVISION: As Stated PROJECT NUMBER: DRAWING NUMBER: DSA20-007

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