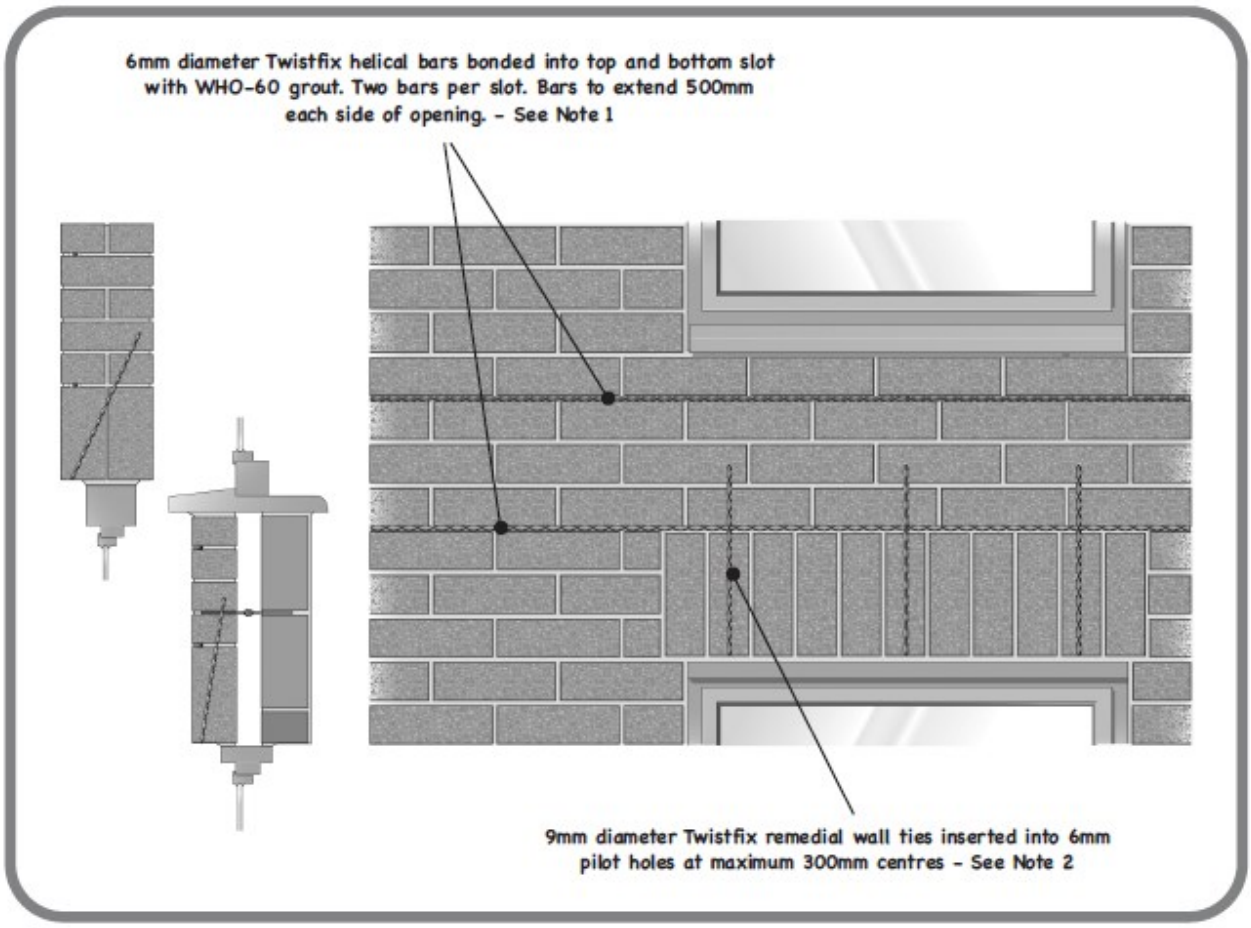
ST-LR-SK01

Steadfast

IN ASSOCIATION WITH THORHELICAL®

Soldier Course Lintel Repair System



METHOD STATEMENTS & NOTES

1. Remove section of mortar to full height in two separate bed joints. Flush with clean water and bond a pair of 6mm Twistfix helical bars, 10mm apart, using WHO-60 grout. Make good joint to match existing.

   Depth of the slots should be 40mm on a half brick single leaf and 55mm on a full brick solid leaf. Treat thicker walls from both sides.

   Ratio between span of opening and distance between top and bottom reinforcement should not exceed 7:1

2. Drill angled 6mm pilot hole to a depth of at least 10mm longer than length of the helical tie. Drive 9mm Twistfix remedial wall ties up through soldier course and at least 50mm beyond lower pair of bars and make good hole to match.

HELICAL TIES & BARS

• Material:	304 Series Stainless Steel
• Ult.Tensile Strength:	1050-1200N/mm^2
• Nominal CSA:	6mm Bar = 7.4mm^2 9mm Tie = 14.9mm^2

WHO60 GROUT SPECIFICATION AT 28 DAYS

• Compressive Strength:	55N/mm^2
• Tensile Strength:	5N/mm^2
• Flexural Strength:	12N/mm^2
• Youngs Modulus:	13N/mm^2

Engineers, surveyors and contractors should refer to BRE Good Building Guide 62 and the BRE Load Tables for retrofit masonry beams formed by Twistfix helical bars set in WHO-60 grout

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