



### THE CHALLENGE

The Dutch gable of this three-storey property had considerable horizontal and vertical movement. It was found that the condition of the Dutch gable was poor and it was not tied back to the roof structure behind it.

In addition, the timber window below the gable needed to be replaced and a new lintel installed.

### THE SOLUTION

Helical ties were used to reintroduce the connection between the roof joists to the outer masonry.

Vertical ties were installed through the coping bricks to strengthen the masonry spanning vertically.

To create the new lintel, we installed a helical bar masonry

reinforcement beam. This beam greatly strengthened the existing local masonry as well as reinstating its structural integrity.

Helical remedial wall ties were driven through the soldier courses above the window to secure this masonry to the newly created lintel.

✓ Minimal disruption

✓ Clean, fast, efficient

✓ No mess foundations

✓ Limited access sites

## QUADRAFIX

### THE PROCESS



1 The front gable of the property needed structural repair.



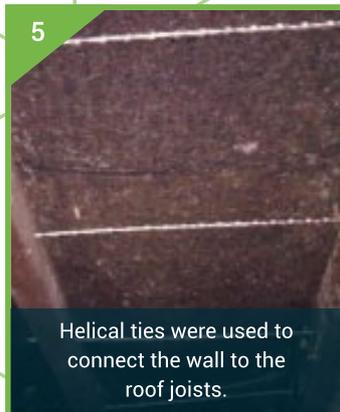
2 Bed joints were cut out ready for the reinforcing using dustless cutters



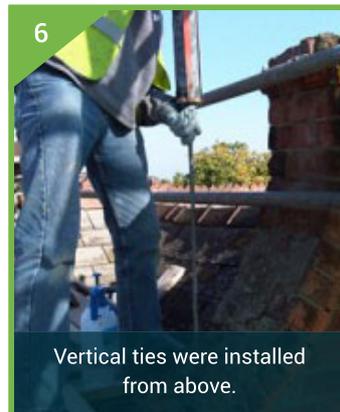
3 Stainless steel helical reinforcing was installed into the slots.



4 Cementitious grout was used with the reinforcing to create a masonry beam



5 Helical ties were used to connect the wall to the roof joists.



6 Vertical ties were installed from above.



7 Ties were also installed vertically upwards above the window.

To find out more and to see how we could help you, please contact us

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