

12 storey tower fully restored for 2011



ASRS were asked to investigate and provide a solution to the connecting tower between two residential housing blocks, that had suffered from cracking and movement, as part of planned maintenance by a housing association.

An extensive external survey of the masonry was carried out, it was discovered that the brick slips were failing, some areas had cracked due to the structural loads and some areas needed to be rebuilt.

ASRS are used to taking on such large projects and are highly experienced in working alongside allied trades to complete such projects.

Three bed joints per floor were reinforced creating helibeams in the masonry which were wrapped around the tower to distribute

the structural loads and reconnect separating masonry. Specialist remedial wall ties were installed to pin the brick slips back to the concrete floors. Each brick slip was pinned back using a resin fixed tie with a total of 174 ties per floor. Areas of brickwork that were beyond repair were removed and replaced and then brick tinted to match the existing to provide an almost invisible repair.



The works were carried out in less than 3 weeks fully restoring the structural integrity

and with all works being carried out externally minimising disruption to the tenants. Works were completed well within budget.

Our Comprehensive Range of Services

- Bed Joint Reinforcement
- Bridge Repairs
- Cavity Wall Tie Replacement
- Cintec Anchors
- Concrete/Stone Repair
- Crack Stitching
- Platipus Ground Anchors
- Masonry Restoration & Brick Tinting
- Mini Piling
- Movement Joints
- Resin and Cementitious Injection
- Building and Decoration Division
- Preservation Division
- Design and Repair Programmes



Stone arcade on brink of collapse

ASRS were consulted to carry out a design and repair specification for this failing arcade above a public footpath and in front of a shop. It was vital the shop stayed open along with the footpath.

One solution was to rebuild it which would be costly and time-consuming. Where the arcade had pulled away from the main structure by 20mm it had caused severe buckling and lintels had failed losing all structural integrity.

3.0m Cintec anchors were installed through the flank elevations into the main structure along with a 5.0m anchor to connect the front elevation to the flank. The lintels were pinned to the above structure using Helifix Cem Ties. Works were completed in 5 days and the shop stayed open for business.



Undermined garage causes partial retaining wall collapse



Due to a partial collapse of this retaining wall ASRS were asked to design a permanent solution to stabilise the ground.

Firstly the slope / cut face had to be restrained using platipus anchors, A142 mesh was fitted to timber noggins to restrain any further soil movement.

As the wall was reconstructed the anchors were incorporated into the new retaining wall to prevent any further movement. The wall was rebuilt using locally sourced stone and traditional lime mortar pointing restoring the original aesthetics of the wall.



London office goes from strength to strength



ASRS recently opened an office in London to serve our clients in the East of the country and have already become a leading structural repair specialist in London, the home counties and surrounding areas. The team is headed by Contracts Director James Watts. If we can be of assistance he can be contacted by email: james@asrs.co.uk

PLATIPUS
EARTH ANCHORING SYSTEMS

HELIFIX

CINTEC

FOSROC





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