
Elizabeth Garrett Anderson Hospital



In August 2007, Falcon Repair Services Ltd (now Falcon Structural Repairs Ltd) were awarded a contract to stabilise the listed section of the former Elizabeth Garrett Anderson Hospital, situated at the busy junction of Euston Road and Churchway.



Elizabeth Garrett Anderson Hospital

The hospital, built in 1896 with finance from James Anderson, husband of committed feminist Elizabeth Anderson, had been dedicated to treating women. Over the years the hospital was extended and moved in to local authority ownership before being purchased by Unison, the health union, as part of their future £45 million expansion plans.

The original listed structure subsided approximately six years ago, with the majority of the movement occurring to the two storey bay fronting Churchway where dessication of the clay was recorded in excess of 4m. Falcon's brief was to temporarily stabilise the four storey building which had distorted by 200mm, salvage a number of listed features, carefully log

and dismantle the bay including the carved brickwork panel at parapet level and construct a piled underpinning scheme under the heavy four storey walls.

Underpinning

Work began in September 2007 and was completed nearly two months ahead of schedule in January 2008 despite being complicated by London traffic, the nearby Metronet tunnel, buried 19th Century constructions and possible war time bombs. Further delays were suffered to the dismantling of the bay and subsequent construction of its foundations and structure due to planning issues. Additional works including deep mass concrete underpinning were added during the contract period.

Falcon, in conjunction with the engineers AKS Ward, amended the tendered scheme and installed 88 internal and external auger piles, some to a depth of 14m in and around the building, capping these with ring beams before transferring the 400kn/m wall loads to the new scheme via steel encased needles. A new reinforced concrete slab capped the foundation scheme off internally.

Another contract has been awarded to Falcon, starting in May 2008, to rebuild the bay with the majority of the bricks made specially to order; assist the demolition contractor with stabilisation works, underpinning to allow construction of a planned basement within the central courtyard area, piled underpinning to a five storey tower and dismantling and rebuilding of a four storey link corridor.



Installed augered piles



Severe structural damage caused by subsidence