

Stowe House, Buckinghamshire Sister to Buckingham Palace



Originally the country residence of Lord Buckingham, Stowe House has long been the home of a leading public school (that is a school funded by private fees). The wall construction is an external leaf of Bathstone with rubble infill and an internal masonry wall, having an overall thickness of up to 1150mm. A length of this wall was to be stabilised by grouting the rubble infill. However, the wall required strengthening to withstand the pressure of this grouting.

The solution was to install CINTEC 20 x 2 CHS stainless steel anchors in a nominal 40mm diameter drill hole of centres in the range 750-900mm. Anchor lengths of 850mm and 1075mm were employed to cater for the variable wall thicknesses. To maintain the external appearance, all anchors were installed from the inside of the building. They were allowed to project into the building to permit the standard circular crimped anchor body. The anchor projection was cut off flush internally and plastered over.

