HOLDEN CONSERVATION LTD

St. Leonard's Church, Shoreditch, Condition survey and treatment options for the Parkinson Memorial

Prepared for

The PCC, St. Leonard's Church, Shoreditch

by
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Condition of the Monument

The broken sections of the Portland stone monument are in the crypt except for the corbel, which is still fixed within the wall were the monument was situated.



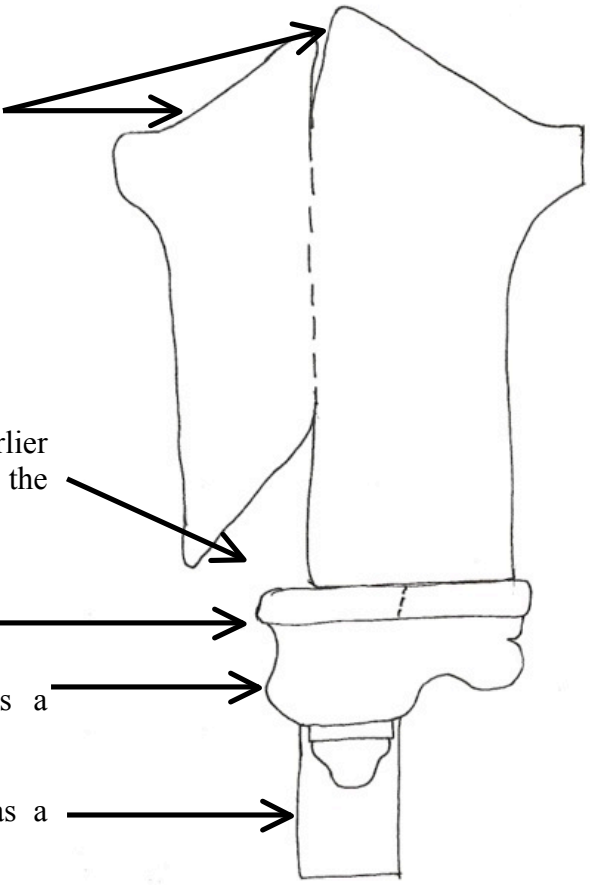
Missing pointing in the brickwork. In general the brickwork and pointing of the wall is in good condition.

The outline of the position of the monument can be seen on the brickwork of the wall.

The remains of the ferrous cramps that held the monument onto the wall.

The corbel still fixed within the wall, attached with a ferrous cramp. The stone is covered in black sulphation.

The inscription panel is 108cm in height.
The remaining piece of the panel is broken in two.

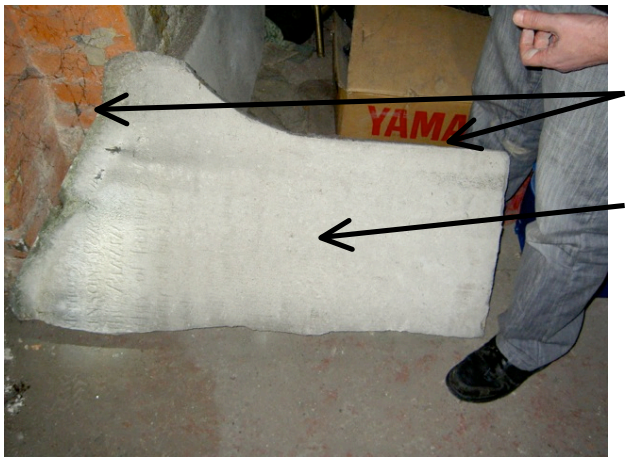


Part of the monument has been lost at a much earlier date, indicated by the build up of sulphation on the break edges.

The remaining piece of the ledge is broken.

The remaining piece of the carved panel has a sulphation crust.

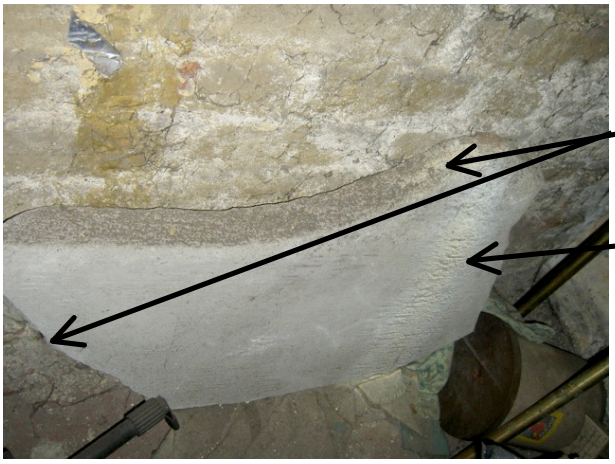
The corbel is still attached to the wall and has a sulphation crust.



Part of the inscription panel.

There is some sulphation and algae on the sides of the panel.

The inscription is worn and partially legible.

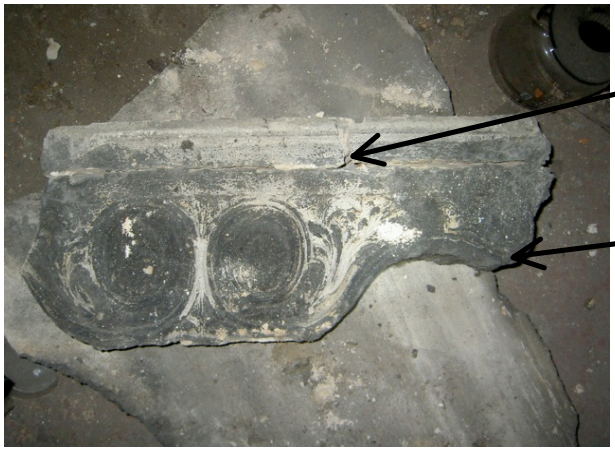


Part of the inscription panel.

There is some sulphation and algae on the sides of the panel.

The inscription is worn and partially legible.

The stonework below the inscription panel is covered in sulphation and the surface is friable.



The stonework below the inscription panel.

The ledge is broken and has some sulphation crust.

The stone has some sulphation and the surface is friable.

Treatment Options

Deconstruction and Removal

All the corroded ferrous cramps will be removed from the wall.

It is suggested that the whole monument is taken back to the workshop to be able to conserve all the sections to a similar appearance.

This would entail the corbel being removed from the wall by cutting the ferrous cramps and pointing surrounding it.

Cleaning and Repair

A bristle brush and water will be used to clean the stonework of dirt and algae. An application of biocide will be applied to inhibit further algae growth.

The black sulphation is inhibiting the visual reading of the stonework as well as causing the deterioration of the stone surface. The thick crust of sulphation will be cut back manually. One or two clay poultices containing a percentage of Ammonium Carbonate in water (to be determined with trials) will then be applied to soften the sulphation. The sulphation will then be removed with bristle brushes and water. The amount of poulticing and sulphation removal will be balanced with the condition of the stone.

The broken sections of stone will be re-adhered with stainless steel dowels and polyester resin.

The joints will then be filled with a hydraulic lime mortar to match the Portland stone.

Small mortar and dentistry repairs will be carried out to cap any fissures and water traps within the stone. It is not intended to undertake any larger modelled mortar repairs.

It is not structurally necessary to replace any of the stonework that has been missing from the monument for some time with new stone as the monument will be able to be re-built without them and will still be able to be read as integrated whole. However if required a Portland stone indent repair could be carried out to replace the missing section from the lower left side of the inscription. This will be shown as an extra over cost for budgeting purposes.

Reconstruction

The missing pointing within the wall around the monument will be re-pointed in a hydraulic lime mortar to match the present pointing.

The monument will be re-set on the wall in its original position with stainless steel cramps, fixed with polyester resin and a hydraulic lime mortar to match the stone.

Cost for the works as outlined in the treatment proposal.

Excluding stone replacement;
All in the sum of £1680.00 .

Extra over to indent a Portland stone repair:
Using Portland stone from existing stocks; budget cost would be £350.00
If sourced and ordered in especially there would be an additional cost for delivery and possibly a slightly higher material cost to be added – possibly another £100.00

All costs are shown exclusive of VAT.