

www.siteconservation.com

Boustanai №3

JERUSALEM

Conservation of the historic facade

Final
Conservation
Report



Archaeology
Conservation
Center

www.siteconservation.com

Archaeology Conservation Center | Asi Shalom: 052-4260732 Victor Uziel: 050-7391022






Boustanai Nº 3

JERUSALEM

Conservation of the historic facade

The historic house on number 3 Boustanai street, owned by Mr. Leo Noe, is one of the most beautiful and important houses of its age in Jerusalem. The rich historical heritage of the house rightly justifies the documentation, the fine masonry addition and the experienced architects and contractor chosen for the project.

The Archaeology Conservation Centre greatly acknowledges and respects the important decision to give professional attention and conservation to the historical façade. This is a pioneering and landmark decision made by the owner Mr. Leo Noe, his project manager Mr. John Finn and the project's architect Mr. Nehemia Bikson.



Conservation Techniques

The conservation and restoration of historical buildings and monuments require the utmost professional intervention.

The use of modern building materials and techniques has proven, over the years, to cause irreversible damage to the historical sites.

For example in stone conservation: the use of cements, acrylic and epoxy binders always crack,

change color and cause further damage to the soft limestone. Conservators use only compatible materials and special binders which have been tested on site for over twenty years.

Conservators clean the historic stone with much finer and delicate techniques such as pH safe compressions and low pressure, basalt sand or PVC shreds system.



Conservation Problems

Observation of stone problems on site which required conservation treatment:

- Soft stone deterioration
- Deep penetrating holes
- Shallow surface damage
- Stone cracks and movements
- Missing corners and ornamental pieces
- Damaging use of modern cement for hole filling and missing pieces
- Old and modern (numbers) oil base paint on delicate, porous limestone
- Rust stains
- Surface dust and pollution encrustation on all historical façade



Conservation Treatments

Conservation treatments made on site:

- Dismantling of all modern cement interventions on façade and soft stone decoration including on ornamental restorations
- Cleaning of encrustations from historical façade using a very fine basalt sand and low pressure cleaning system
- Cleaning of cement remnants and stains on new built and historical façade using the same fine sand-low pressure system
- Complete cleaning of all white, soft stone in windows, doorways, latticework, columns, capitals, cornice, gateway and staircases from stains, rust marks, old and new oil paint, cement interventions and encrustations using a very low pressure system with PVC shreds or an extra fine basalt sand
- Training and supervising the pointing material and work made by contractor
- Consolidation with lime mortars of all deteriorating limestone
- Treatment and cleaning of all lichens and biological growth on stone façade
- Filling with compatible lime mortars all cracks and shallow stone damage, eliminating visual differences between original stone and new repair
- Two stage fill of deep holes using same technique as for cracks
- Build up restoration of all missing corners and ornamental cornice, sill and capital pieces using compatible lime mortars, pinning technology and elimination of visual difference between original stone and new repair

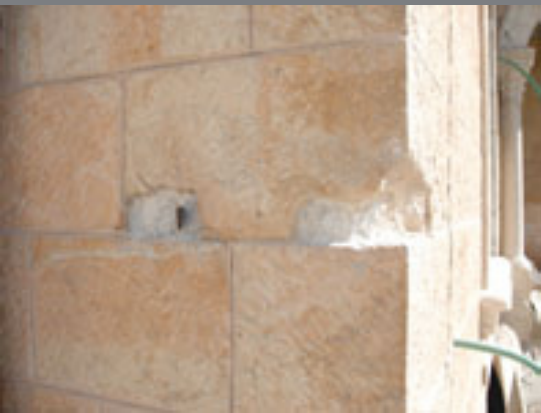


Stone Conservation and Cleaning

Original architectural elements which were treated by conservation:

- The entire historical, red-yellow stone façade
- Seventeen stone window frames including ornamental sills
- Three stone door frames
- Twenty-two metres of ornamental stone latticework
- Ten stone columns
- Ten detailed, Accantus stone capitals
- Stone cornice around all historical façade
- Five outside, stone staircases
- Entry gateway with surrounding walls and coping stone

1



2



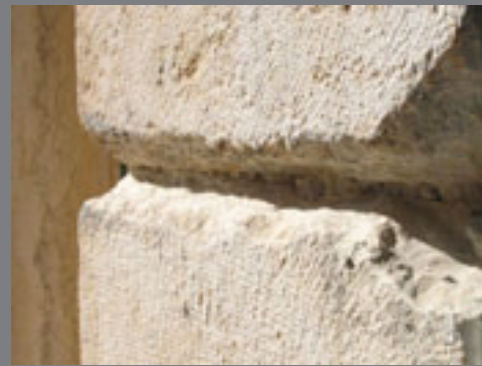
3



4



2



3



4



Conservation Team

The Archaeology Conservation Centre, established in 1995, has built expertise in more than twenty different conservation and restoration disciplines in both archaeological and historical sites and buildings throughout Israel.

The Centre features the leading, national and international experts in the field for planning, consulting and performing interventions at the highest, guaranteed quality standards, abiding to

international conservation charters.

Negev Milestone is the company who carries out the major conservation and restoration projects. As of today, by drawing on and utilising ancient knowledge and skills alongside modern technologies, Negev Milestone is making a breakthrough in innovative, advanced ecological building in Israel.

