Aspire Defence Services Limited

Design and Access Statement

JE 0 057 – Repair/Replacement of Copings at Jellalabad Barracks on Tidworth Garrison



Rev	Date	Purpose of Issue	Author	Appr.	Appr. Role[1]
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1 - INTRODUCTION

On behalf of the 1st Regiment Royal Horse Artillery, Aspire Defence Services Limited have prepared a proposal for the repair/replacement of coping stones due to the visible displacement of the existing coping stones.

This statement forms part of a Listed Building Consent application.

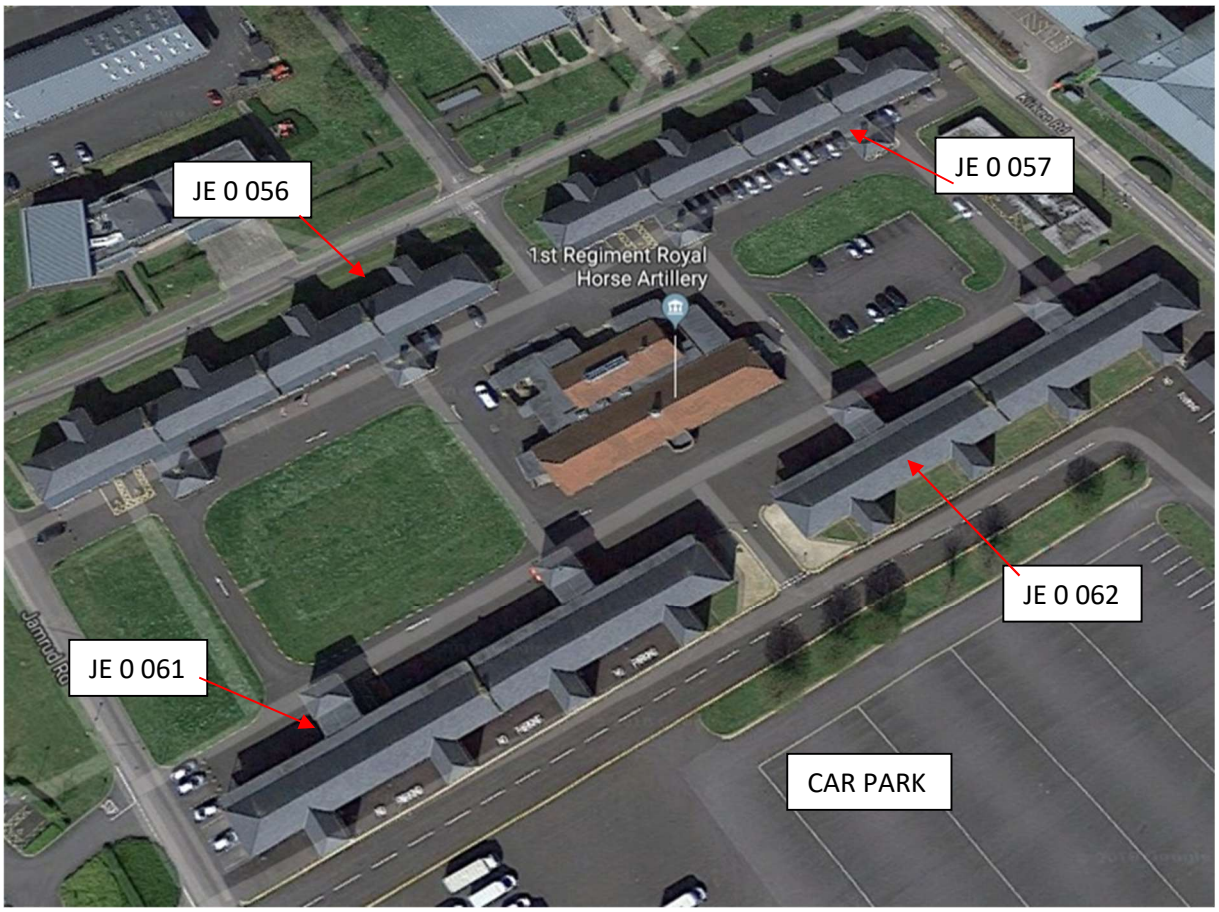
2 - LOCATION AND SITE PLAN

2.1 Jellalabad Barracks, Tidworth

The Jellalabad series of buildings are a group of four (JE0056, 057, 061 and 062), which are part of the original Tidworth Garrison development from approximately 100 years ago and are Grade II Listed. These buildings were originally accommodation blocks, providing large dormitory rooms, but more recently, under a previous Listed Building Consent, these have been refurbished internally to form offices.

2.2 The Site

The site comprises of four buildings within the garrison which is bounded by Grand Trunk Road and Jamrud Road to the south and west. A staff and visitor car park located to the south of the site.



3 - CONTEXT

The site comprises of four main buildings JE 0 056, 057, 061 and 062. The refurbishment of Building JE 0 057 commenced in August 2021 and during the works it was identified that existing coping stones to the jack walls had slipped and proved to be of concern for falling (Health & Safety) and for water ingress.

4 - CLIENT'S BRIEF

Inspect the coping stones to the jack walls and provide a report for the required repair/replacement works. ADSL engaged with Alexander Associates (Consultant Structural Engineer) to carry out a survey of the Jack wall coping stones. On completion of the survey a report was produced by Alexander Associates (please refer to the attached document JE0057 – Copings to the jack Walls Inspection – Feb 22 ref: SJ/sjj/21002-24) which has identified the following actions and recommendations:

The stones, ideally, should be repaired to reinstate the drip feature and as a secondary line of defence against water ingress, the stones should be re-laid on a lead damp proof course with a stainless-steel angle at each joint to restrain the stones from sliding down the jack walls.

5 – PROPOSALS

5.1 Description of Proposals

The coping stones will be repaired and the drip feature re-instated as a secondary defence against water ingress, the stones will then be re-laid on a lead damp proof course with a stainless-steel angle at each joint to restrain the stones from sliding down the jack wall.

If repairs are not possible, we have been advised by Andrew Minting (Conservation Officer) to use Chicksgrove Cream Limestone for any coping stone replacement works.

Please refer to Alexander Associates (Consultant Structural Engineer) drawings and calculations for proposed repairs / replacement of coping stones to the jack walls to JE 0 057:

Roof Repairs Copings – Drg. No. 21002-24/01

5.2 Operational considerations

Provide all necessary and suitable scaffolding access for operatives, with 'HAKI' staircase, debris netting and working platforms as required to carry out the works.

Carry out a site visit with Aspire Defence Services, Corinthian Stone, and Andrew Minting (Conservation Officer) for a close inspection, discussion and agreement on the full extent of repair / replacement works required to the jack wall coping stones.

Replace the entire run of the slipped and damaged coping stones if agreed by all parties.

Or (following inspection)

Carry out all necessary repair works to the existing slipped coping stones off-site by grafting new stone repairs to the copings.

Fix the new copings and / or repaired copings to the jack wall with stainless steel cramps as per drawing 21002-24/01. Ensure the brickwork to the jack wall is solid and in good condition for re-bedding the

copings. Allow for a new lead damp proof course to be installed to the wall head as per drawing 21002-24/01.

In addition, due to the style of scaffolding, we have allowed to replace several slate roof tiles to match as close as possible to the existing.

Strike scaffolding once works are complete. Leave site clean and tidy as found prior to commencement of the works.

6 - ACCESS

The existing main pedestrian routes will be maintained during the works and be suitable for those in wheelchairs to use safely. Existing fire escape routes will be maintained around the buildings.

Access to the building will continue to be via the 4no. main entrances on the south elevation of the building.

NB Within the existing building there are some areas where an existing step up to the beverage bay area's; there is an existing ramp to enable mobility impaired users to access the beverage bay and WC. There are accessible WC's on the Ground and First Floors. All will be maintained during the works.

Fire and emergency access will be unaffected by the proposed works, and it will be possible for emergency vehicles to attend within 10m of each building. The site fire officer has not been consulted as no changes are being made to the existing building layout.

7 – SUMMARY AND CONCLUSIONS

The existing copings have been identified as requiring urgent repairs and / or replacement. On behalf of our client, we have a duty of care to ensure the Grade II Listed buildings are maintained in a safe and usable condition within the historical context of these buildings. We have carried out extensive surveys on the condition of the copings and have therefore provided a structural engineer design and calculations for their replacement and / or repair to rectify the current issues.