



Method Statement

In respect of

Repointing Works & Valley Gutter Replacement

at

**Embleton Hall
Front Street
Longframlington
Northumberland
NE65 8DT**

Ref: MS-01

September 2023

1. Introduction

- 1.1. This method statement has been compiled in support of a Listed Building Consent application for repointing works and the replacement of an aluminium valley gutter to lead, at Embleton Hall, Longframlington..

2. Background

- 2.1. A valley gutter on the Southeast roof elevation (as shown on roof plans), once originally lead, has at some point been replaced with an aluminium valley gutter. This is now defective and allowing water to penetrate the roof covering, causing significant internal damage.
- 2.2. It is proposed to replace this aluminium valley gutter with Code 8 leadwork creating a new watertight seal at the valley gutter and into the rainwater downpipe at the foot of the gutter. Any rotten valley timbers will be replaced on a like-for-like basis, if required.
- 2.3. To the elevations, the original lime mortar has eroded throughout the years and has been replaced with an incorrect cement-based mortar mix. This is to the detriment to the building, and it is proposed to replace this with a lime-based mix to allow the building fabric to behave as originally intended.

3. Method Statement

- 3.1. Cut back existing mortar to a depth of approximately 50mm and remove and clean out existing loose mortar.
- 3.2. **Remove using hand tools only taking care not to damage edges of stones or loosen masonry.**
- 3.3. Brush out all loose material from the joints.
- 3.4. Using hand sprays, pre-wet the joints and apply mortar pointing with the specified mix, compacting firmly into place.
- 3.5. Once the mortar has set, knock back to show the arris edges of the stones, and brush back with a churn brush or similar followed by a soft brush.
- 3.6. Spray with fine mist spray to prevent rapid drying throughout the process.
- 3.7. Work must be protected from rain to avoid smearing of facework and must be protected from excessive heat/ cold.
- 3.8. Pointing mix for the works is to be:
 - 3-1 ratio mix
 - 1 plastering
 - 1 sharp
 - 1 building sand
 - 1 NHL 3.5 hydraulic lime
- 3.9 For the valley gutter replacement, carefully strip off the aluminium gutter and replace with Code 8 leadwork creating a new watertight seal at the valley gutter and into the rainwater downpipe at the foot of the gutter, replacing any rotten valley timbers on a like-for-like basis if required.