ACCESS
MAINTENANCE SOLUTIONS
LIMITED
(Incorporating Access Steeplejacks)

Registered Office:
UNIT 12, LADY ANN MILLS, LADY ANN ROAD, BATLEY WF17 0PS
Tel: 0113 307 5982 Fax: 0113 307 5983
e-mail: enquiries@accessmaintenancesolutions.co.uk
Website: www.accessmaintenancesolutions.co.uk

Date: 31st May 2023 Our Ref: MTG/NMG/11/2015

John L Brierley Limited,
Turnbridge Mills,
Huddersfield
West Yorkshire
HD1 6QT

For the attention of Tracey Keaveney

Dear Tracey,

Re: Inspection of Works Stone Chimney Stack

Further to your valued email instructions, we are now pleased to confirm that the laddered examination of the above has been completed, and trust this work was carried out to your satisfaction.

We enclose our engineers report which indicated defects to the stack requiring attention at this time, we have therefore prepared and attach for your consideration our Specification and Estimate for dealing with these defects, which we trust will meet with your approval.

Photographs taken during the inspection are enclosed and we trust that these will adequately illustrate the defects outlined in our report.

Our invoice in the sum of £750.00 plus VAT will follow under separate cover.

We look forward to receiving your further instructions in due course, and in the meantime, whilst assuring you of our close and careful attention at all times, we remain,

Yours faithfully,
Access Maintenance Solutions Limited

pp Michael T Greaves
Sales & Marketing Director

Date: 31st May 2023 Our Ref: MTG/NMG/11/2015

JOHN L BRIERLEY

INSPECTION OF WORKS STONE CHIMNEY STACK

REPORT

General Description

Type of Structure	-	Industrial Octagonal Stone Chimney Stack
Height	-	40.6m
Diameter at Summit	-	3m
Diameter at Base	-	5m

3 number mild steel bands in the upper 1.75m section of the stack

Lightning Conductor Components

1 number summit mounted copper air finial

1 number 25 x 3mm copper down conductor

Earthing System – Missing

Report

The summit capping plate was found to be in sound condition requiring no attention.

The mild steel bands and the associated support plates were found to be mechanically sound although paint breakdown and early signs of corrosion were noted in this area.

Vegetation growth was noted to the to side of the oversail, this been caused by a build-up of bird droppings.

Stone lamination was noted in various areas throughout the chimney barrel.

Mortar joints in the upper 2m section of the stack were found to be in sound condition requiring no attention.

Mortar joints below the upper 2m section were found to be fair, although these been worse in the upper section of the stack.

No cracking of the structure as noted.

The mild steel bar forming the lower section of the lightning protection system has been pulled away from the wall by attempted theft.

The lightning conductor tape and earthing system has been stolen from the base section of the stack.

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INSPECTION OF WORKS STONE CHIMNEY STACK

RECOMMENDED REMEDIAL ACTION

Supply all necessary labour, materials, and access equipment to carryout the following work.

Delaminate stonework where evident throughout the full height of the stack.

Cut back approximately 20 square metres of defective mortar joints in various patches throughout the chimney barrel after-which repoint in lime mortar finishing with a brushed joint.

Using scrapers and wire brushes clean down the mild steel bands so as to remove all loose paint and corrosion, following this preparation apply two coats of black micaceous iron oxide allowing a suitable drying period between applications.

Apply one coat of water seal to the full height of the stack.

Reinstate the mild steel bar forming the lower section of the lightning protection system using 12mm stainless steel threaded bar an epoxy resin embedded into the stonework for a minimum distance of 100mm and positioned at 1 metre centres.

Supply and install 1 number 2.4m long x 16mm rod diameter steel cored copper bonded earth electrode connected back to the chimney down conductor using 25 x 3mm bare copper tape and prpose made fixings.

Remove all vegetation and apply weed killer to the affected areas.

Strip down all equipment used and clear from site to the client's satisfaction.

Date: 31st May 2023

Our Ref: MTG/NMG/11/2015

JOHN L BRIERLEY

INSPECTION OF WORKS STONE CHIMNEY STACK

QUOTATION FOR RECOMMENDED REMEDIAL ACTION

We would be pleased to carryout the above works for the sum of: -

£8284.00
(Eight Thousand Two Hundred and Eight Four Pounds)

General Conditions

Whilst we anticipate the earthing materials specified will achieve the required reading of 10 ohms, we can give no guarantee of this as this will be dependent on local soil conditions, should additional materials be required then this would be at additional charge with your prior agreement.

For installation of earth electrodes, we have allowed to use manual tools, should specialist rock drills be required then this would be at additional cost with your prior agreement.

Terms: **Fixed Price 30 days**
Exclusive of V.A.T.

This company is insured for its third-party liabilities to a maximum of £5,000,000 in any one occurrence, but otherwise unlimited during the period. Cover relates to personal injury and/or property damage. Any additional insurance cover to this would incur an additional sum over and above the quoted price.

Michael T Greaves
Sales & Marketing Director