

Judith Williams

From: Matthew Phillips
Sent: 07 January 2015 13:00
To: planning_admin
Subject: FW: Halghton Hall - Specialist Visual Analysis of Analysis of Stone, Lime Mortar & Plasters
Attachments: 1219 Sample Origin Locations19122014_0000.pdf

Discharge of condition submission – materials, P/2014/0205 and P/2014/0325

From: Cloy Enterprises [mailto:cloy_ent@btinternet.com]
Sent: 19 December 2014 15:29
To: Matthew Phillips; Anna Irwin
Cc: dclewis@btconnect.com; suzanne-parry@hotmail.co.uk
Subject: Halghton Hall - Specialist Visual Analysis of Analysis of Stone, Lime Mortar & Plasters

Wrexham Planning Department.

FAO Matthew Philips & Anna Irwin.

Matthew / Anna,
With reference to Planning Condition 5., 6b. and 6d. of LBC P/2014/0325 and Condition 6. of LBC P/2014/0205 regarding the approval of lime based mortar and specialist stone render samples.

First I would request your agreement to amend the supplier of the lime based mortar, plasters & render from 'Telling Lime Products Ltd' as stated in the approved 'Conservation Method Statement' to Ty-Mawr a local supplier. Ty- Mawr are also the UK supplier of St Astier 'Lithomex' a specialist high quality lime based stone face repair mortar, used as an applied face render which can then be worked to achieve a matching finish.

I have therefore collected original samples for 'matching analysis' from the locations as indicated on the attached layout plans. The samples were taken from loose / friable areas without causing further damage.

These samples are currently with the Ty-Mawr, Technical Department and the results of the 'visual analysis' and recommended specification are as stated below. I still however await confirmation of the stone mullion window sample visual match to the 'Lithomex' standard colour range.

I would therefore request your confirmation that the 'visual analysis' undertaken and the proposed subsequent matching of sample of mortar and external render panels on site from bespoke sample mixes provided by Ty-Mawr (once the works have commenced on site) fully complies with the requirements of these conditions without the further need for a detailed laboratory analysis of each sample.

Thank you for your further assistance.

Regards, Andrew D. Storey
ADS: Architectural Design Services

----- Forwarded Message -----

From: Scott Bradburn <Scott.bradburn@lime.org.uk>
To: "cloy_ent@btinternet.com" <cloy_ent@btinternet.com>

Sent: Thursday, 4 December 2014, 13:54

Subject: Analysis



Good Afternoon Andrew,
Apologies for the confusion.

- a) The stone sample has been sent to the lab, I have informed them not to perform the colour match. They are going to let me know once they have done a visual match.
- b) As stated previously this is a very soft mortar mix, that would be eminently suitable for soft brick. A replacement material would likely be a fat lime mortar to match the compressive strength, flexural strength and more importantly porosity of the original mortar. NHL 5 is generally only used on hard stone and engineering brick in exposed locations and above the roof line (chimneys and bedding ridge tiles). If you require "mix percentages of sand / aggregate / hair" this will require us undertaking detailed laboratory analysis. Which will cost approx £450 plus VAT per sample tested. If you require a custom mix produced to replicate colour, then there is no charge in doing this, but is usually best done once the tender has been awarded to individual contractors. The reason for this is that the quarry sand that we use does vary their colour over time as different seams of the sand are extracted.
- c) The plaster sample is clearly a fat lime plaster very rich in lime likely due to the poor grading of the aggregate. Again it would be recommended that our premixed fat lime base coat plaster is used to build the walls out, and then our superfine internal finish plaster is used. No surface finish is evident on the sample that you sent to us. Plaster mixes are not
- d) As above the same specification of the plaster should be used. No surface finish is evident on the sample, often this was a gauged mix (lime putty and gypsum) especially if there is any decorative elements within the plaster.

If you require clarification on any of these points please let me know.

Best regards,
Scott Bradburn
Product Specialist & Technical Support
[Tel:01874 614502](tel:01874614502)

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