

HISTORIC ENGLAND
CIVIL & STRUCTURAL ENGINEERING TEAM
SITE VISIT RECORD

KENWOOD HOUSE LADY MANSFIELD'S BEDROOM

Date of Visit 05 /11/2015

Time on Site 3.0pm to 4.30pm

Visit by Stephen Parris, Stuart Ellis, Kate Marchant, Jerzy Kierkuc-Bielinski

Further to my recent visit and discussions I confirm the following with respect to our preferred way forward to progress brick consolidation works for the above project.

- 1) The existing timber panelling frame is not to be removed until additional temporary support to the facing brickwork is provided. The facing brickwork located in both Lady Mansfield's bedroom and the curators store room are to be held in place. See SK/ 02-03 which indicate the basic principles. The contractor will be required to submit more detailed temporary works information.



← Panelling removed after completion of consolidation works to exposed brickwork.

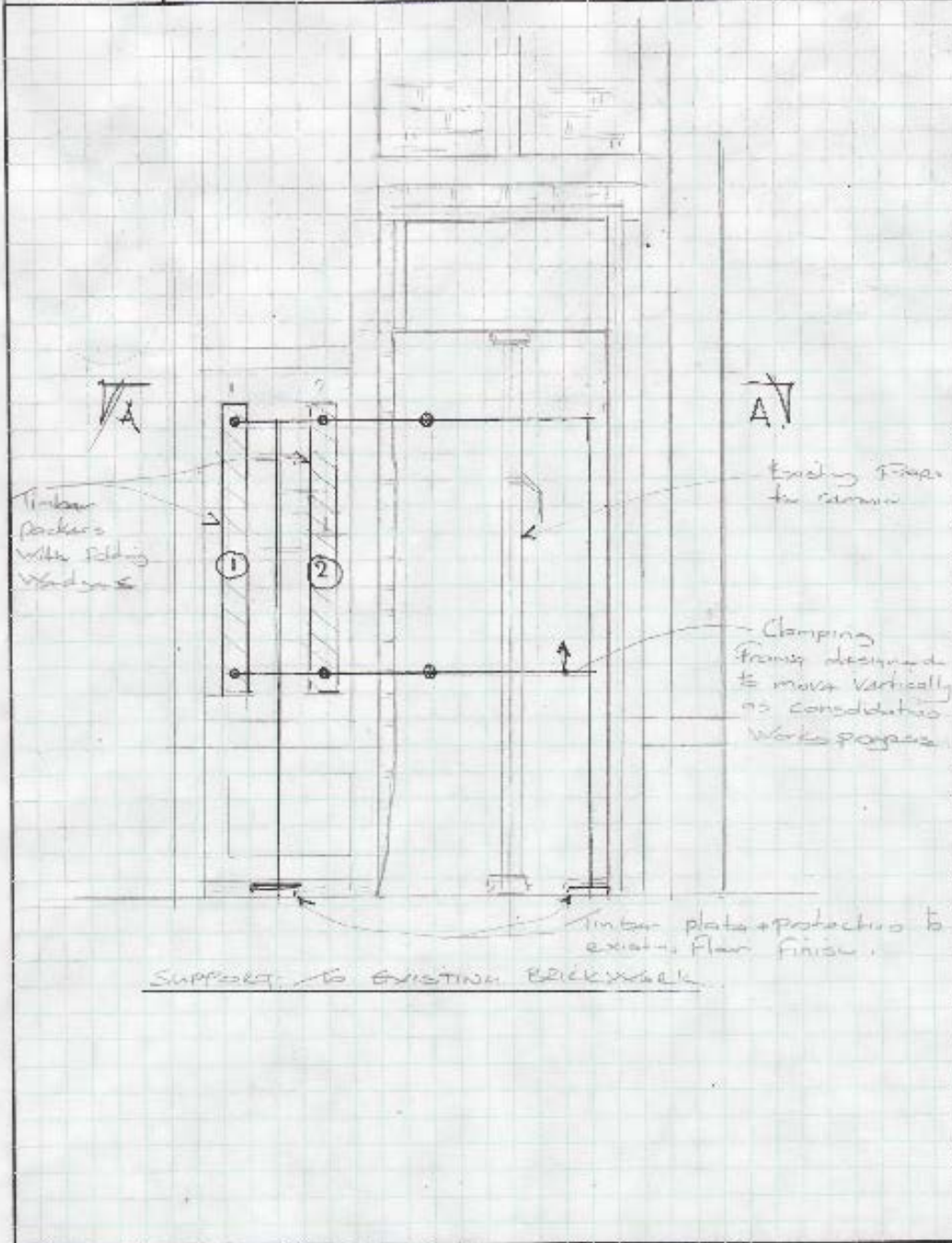
← Provided temporary frame to clamp wall on both sides

- 2) The wall finish adjacent to the opening is to be investigated in order to identify the material and to record its historical significance. It noted that there are areas of loose and fractured brickwork behind the finish and it is anticipated that it will need to be removed in order to consolidate the brickwork.
- 3) The existing timber frame support to the panelling is to be removed, ensuring that all timbers and fixings are retained for reinstatement after consolidation works are completed.
- 4) Stitch in new bricks across fractured brickwork located above opening. Insert Helibar reinforcement into horizontal bed joints at 450 vertical centres. Insert "Helifix Sock fix" grouted sock anchors, or similar approved through wall thickness staggered at 450x225 centres.
- 5) Install new Stainless steel supporting plates (10mm thick) bolted through wall on both sides using 8mm diameter threaded rods grouted through wall thickness using sock anchors See Sketch 04. Note size and location of plates to be agreed with the appointed specialist contractor.
- 6) Carefully build up a new brick reveal to the existing opening up. See Sketch 05. Note the new brickwork is to extend up just above the existing timber soffit panel level in order to provide support for a new lintel.
- 7) Prop brickwork above opening prior to removing vertical panel for further inspection. Insert new lintel support prior to prior pinning up new brickwork to the underside of existing brickwork using slates and mortar rammed in tight to ensure a dead bearing.
- 8) Further panelling to chimney breast to be carefully removed for further inspection and stored for re-used only after completion of works above.



Project	LADY MANSFIELD'S	Job No. 19865	Eng. <i>[Signature]</i>
	Bedroom	Date Nov. 2015	Sheet No. Sk 2

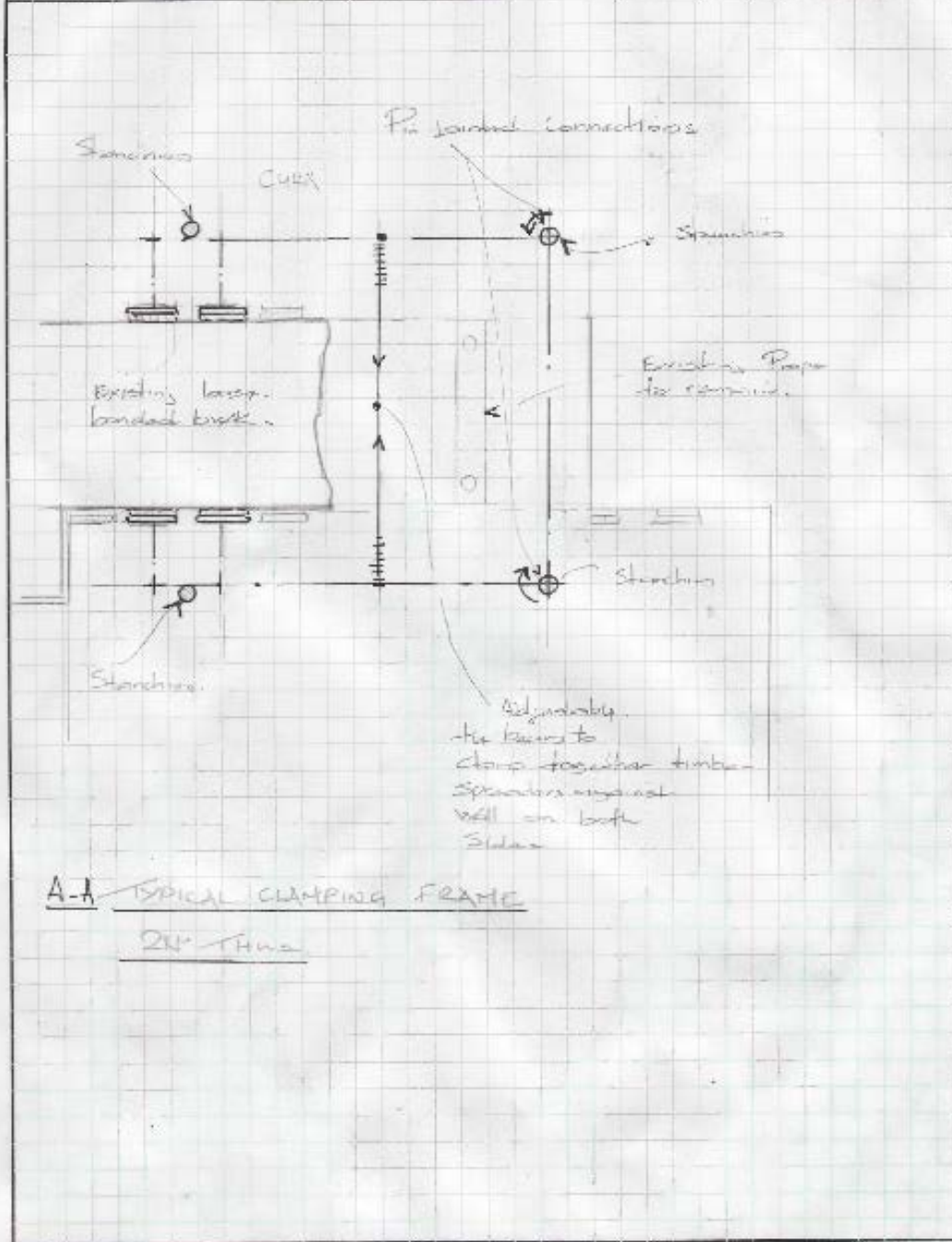
Data	Calculation	Results
------	-------------	---------





Project	LADY MANSFIELDS BEDROOM	Job No. 19865	Eng. <i>[Signature]</i>
		Date Nov 2015	Sheet No. 3 of 3

Data	Calculation	Results
------	-------------	---------



A-1 TYPICAL CLAMPING FRAME
24" THICK



Project <u>KEENWOOD HOUSE:</u>		Job No. <u>19865</u>	Eng. <u>S.P.</u>
<u>LADY MANSFIELDS BEDROOM.</u>		Date <u>Nov 2015</u>	Sheet No. <u>SK04.</u>
Data	Calculation	Results	



Project	Job No.	Eng.
KENDAL HOUSE LADY MANSFIELD'S BEDROOM	19865	S
Data	Calculation	Results
	<p>"Selfix" grouted sack anchors staggered @ 100 c/c. Vertically</p> <p>Void Filled with lime mortar as new brick causal products.</p> <p>Insert s/s ties typically 15mm long into existing packets filled with mortar, typically 225 c/c</p> <p>New brickwork bonded with existing on both faces.</p> <p>"Selfix" grouted Sack anchors</p> <p>Extent of removal and rebuild to be agreed with Specialist Contractor.</p> <p><u>A-A</u></p>	