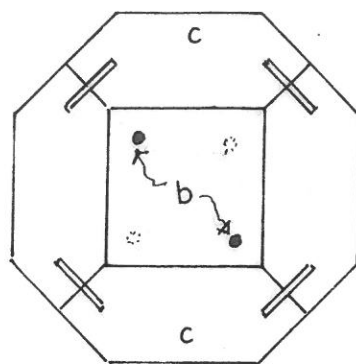
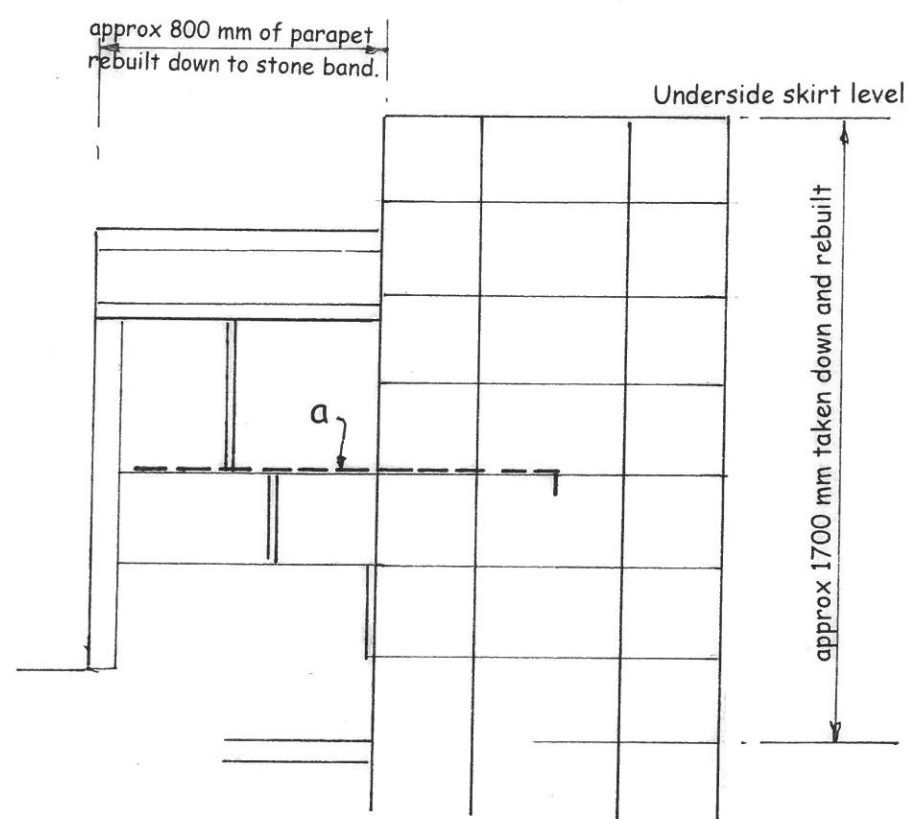




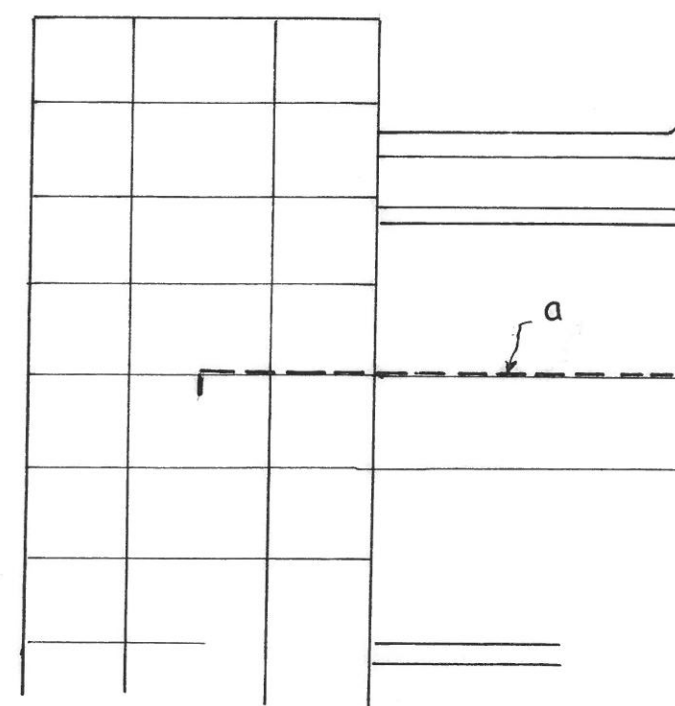
FINIAL F43 PLAN

NOTES:

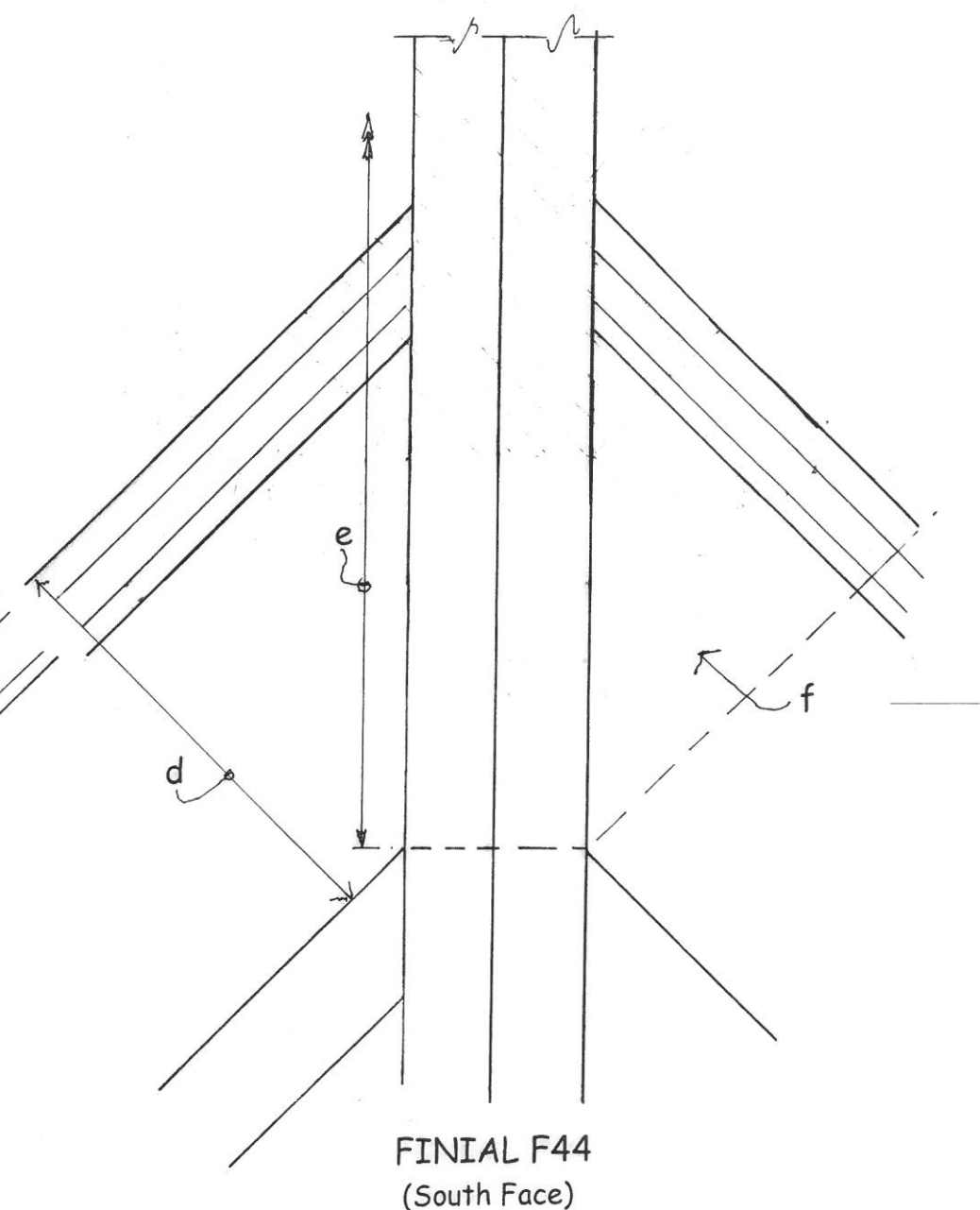
- a - 30 x 3 thick stainless steel strap laid within bed joint to parapet/ finial. It appears that only one joint aligns but if there are further aligning bed joints provide similar detail.
- b - Provide 2 no 10 mm diameter stainless steel dowel x 200 long between each layer of dismantled stone to Finials F43 & F44 (Rev A).
- c - Existing clamps re-used.
- d - The west side only of F44 is to be dismantled and rebuilt from the string course to the coping (approximately 1250 mm depth) (Rev A)
- e - Finial F44 taken down and rebuilt from stringer course level (Rev A).
- f - Allow for rebuilding this section of masonry to the string course but keep to a minimum (rev A).



FINIAL F43 WEST FACE

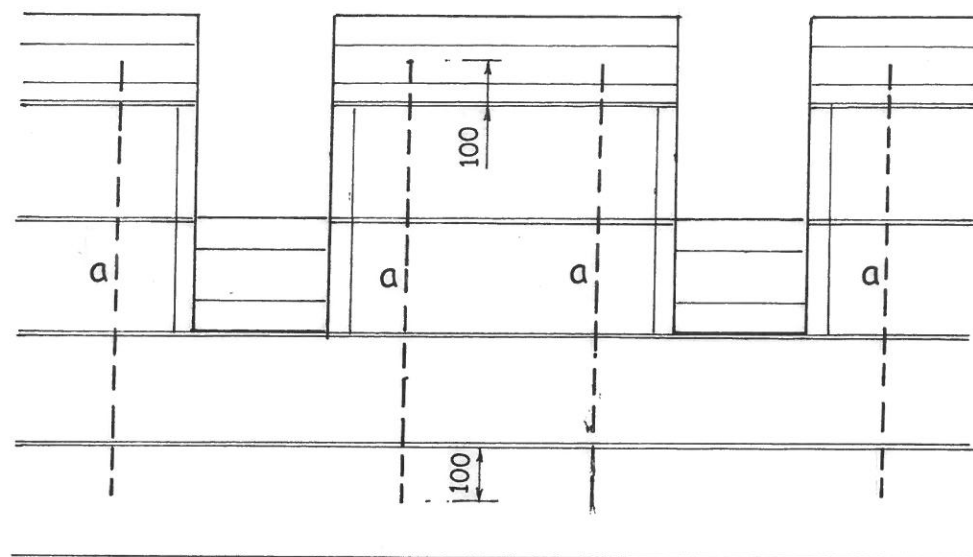


FINIAL F43 SOUTH FACE

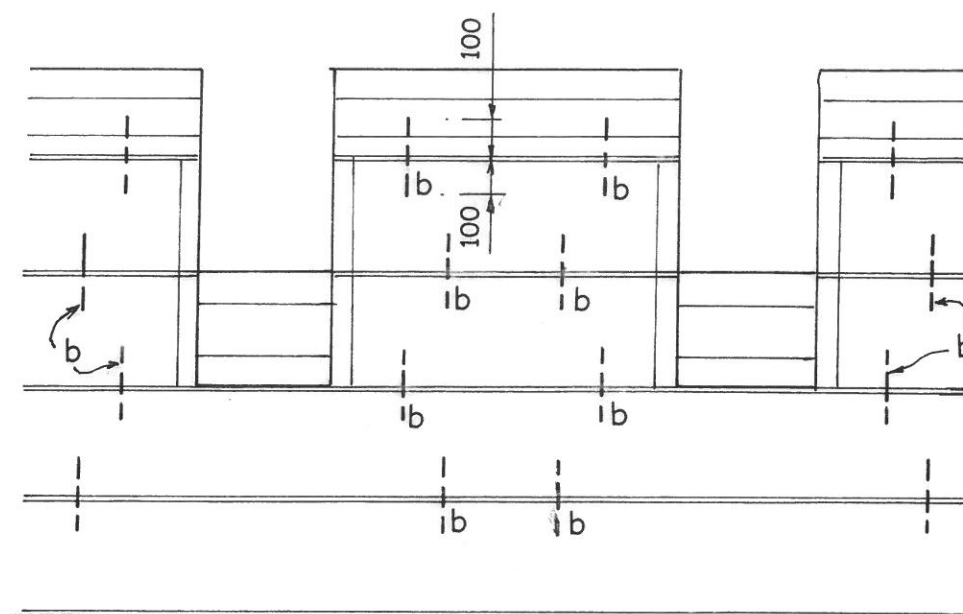


Rev A : Dec'20 - Repairs to Finial F44 increased following site inspection.

R V WILLIAMS ASSOCIATES Ashby House, Middleton Street Llandrindod Wells, Powys LD1 5ET Tel: 01597 825788 Fax: 01597 824388	Project.	MARGAM CASTLE : RENOVATION to WEST ELEVATION		
	Title.	FINIALS F43 & F44 STABILISATION		
Date.	Nov'20	Scale.	1:20	Drawing no. 6155/01 A



ELEVATION ON CRENELATIONS
(OPTION A)



ELEVATIONS ON CRENELATIONS
(OPTION B)

GENERAL NOTES:

- 1.0 The most cost effective option for stabilising the parapets are to be adopted.
- 2.0 Option A indicates 12 mm diameter stainless steel threaded dowels in 20 mm diameter holes cored through the three courses of stone into the fourth course from the top and filled with a free flowing resin such as Zeroset Anchor Grout by Rotafix Ltd or similar approved. All gaps caused by previous movement and displacement are to be pointed with lime mortar. The coping is to be removed and replaced with the rod dowelled into the underside of the coping.
- 3.0 Option B requires the dismantling of the coping and top three courses of the parapet stonework and rebuilding with 10 mm diameter stainless steel dowels between each layer as shown.
- 4.0 The parapets splayed on plan are generally displaced and these should be dismantled, re-aligned and rebuilt including the coping and top three courses of stone. Provide either of the dowelling options between the courses described above.
- 5.0 The detail on this drawing has been established from a general inspection along the west elevation and appears to occur along its full length with the dismantling of the copings and upper stones by hand only. It is likely that stabilisation will be required along the south face.

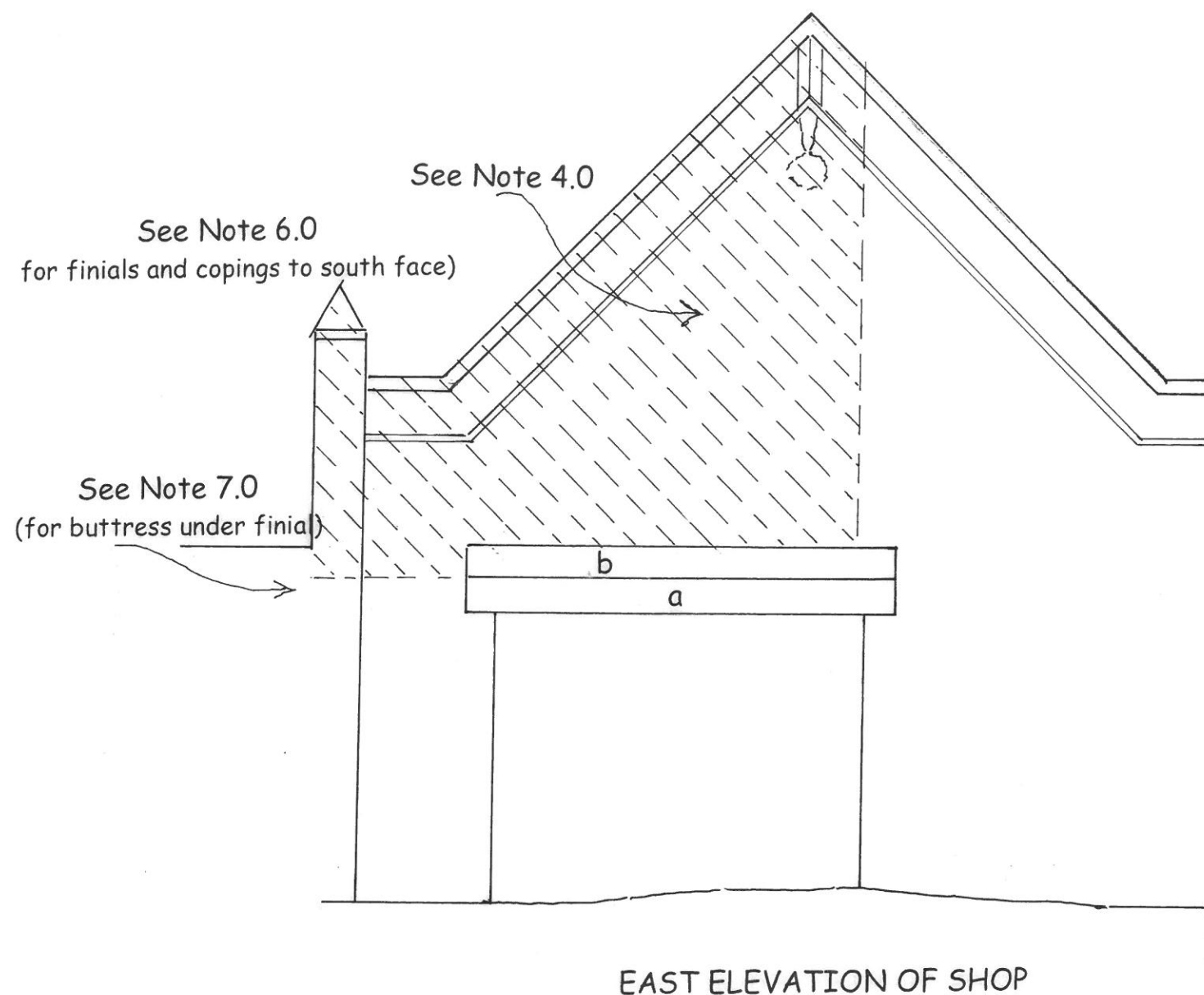
NOTES:

- a - 12 mm diameter stainless steel threaded rod in 20 mm diameter cored hole located centrally on width of stone and filled with a free flowing resin such as Zeroset Anchor Grout by Rotafix Ltd or similar approved.
- b - 10 mm diameter x 200 mm long stainless steel dowel at staggered centres.

**R V WILLIAMS
ASSOCIATES**

Ashby House, Middleton Street
Llandrindod Wells, Powys LD1 5ET
Tel: 01597 825788 Fax: 01597 824388

Project.	MARGAM CASTLE : REPAIRS & RENOVATION		
Title.	STABILISATION OF PARAPETS		
Date.	Dec'20	Scale.	1:20
		Drawing no.	6155/02



NOTES:

- a - Existing beam to be retained (construction not known)
b - Existing steel beams (3 no) are to be replaced with reinforced concrete as detailed on Neath Port Talbot drawings.

GENERAL NOTES:

- 1.0 There are two beams above the shop entrance with the upper beam of corroded and laminated steel which are to be replaced with reinforced concrete as detailed on Neath Port Talbot drawing no R13130/S301/01.
- 2.0 Prior to the removal of the beams the inner roof purlins taking support off the gable are to be propped and the wall above needled and propped.
- 3.0 The wall construction is of ashlar masonry externally and random stonework internally.
- 4.0 Due to expansion of the corroded steel beams the ashlar masonry has been displaced and loosened. The outer ashlar masonry shown hatched together with the finial are to be carefully taken down and rebuilt.
- 5.0 Prior to the removal of any masonry the areas are to be photographed before and after construction. All key stones are to be numbered and rebuilt in their original location in accordance with the standard requirements of Cadw.
- 6.0 An inspection of the 8 finials together with the parapet copings along the south face of the shop indicated that all finials and copings were loose and could be moved by hand pressure. All are to be stabilised by re-bedding and dowelling.
- 7.0 Below the finial there is a buttress on the south elevation which has displaced stonework caused by the ivy roots and tendrils. All the ivy growth is to be removed and the displaced stonework re-aligned.

**R V WILLIAMS
ASSOCIATES**

Ashby House, Middleton Street
Llandrindod Wells, Powys LD1 5ET
Tel: 01597 825788 Fax: 01597 824388

Project.	MARGAM CASTLE : REPAIRS & RENOVATIONS		
Title.	RENOVATION to EAST WALL OF SHOP		
Date.	Dec'20	Scale.	1:50
		Drawing no.	6155/03