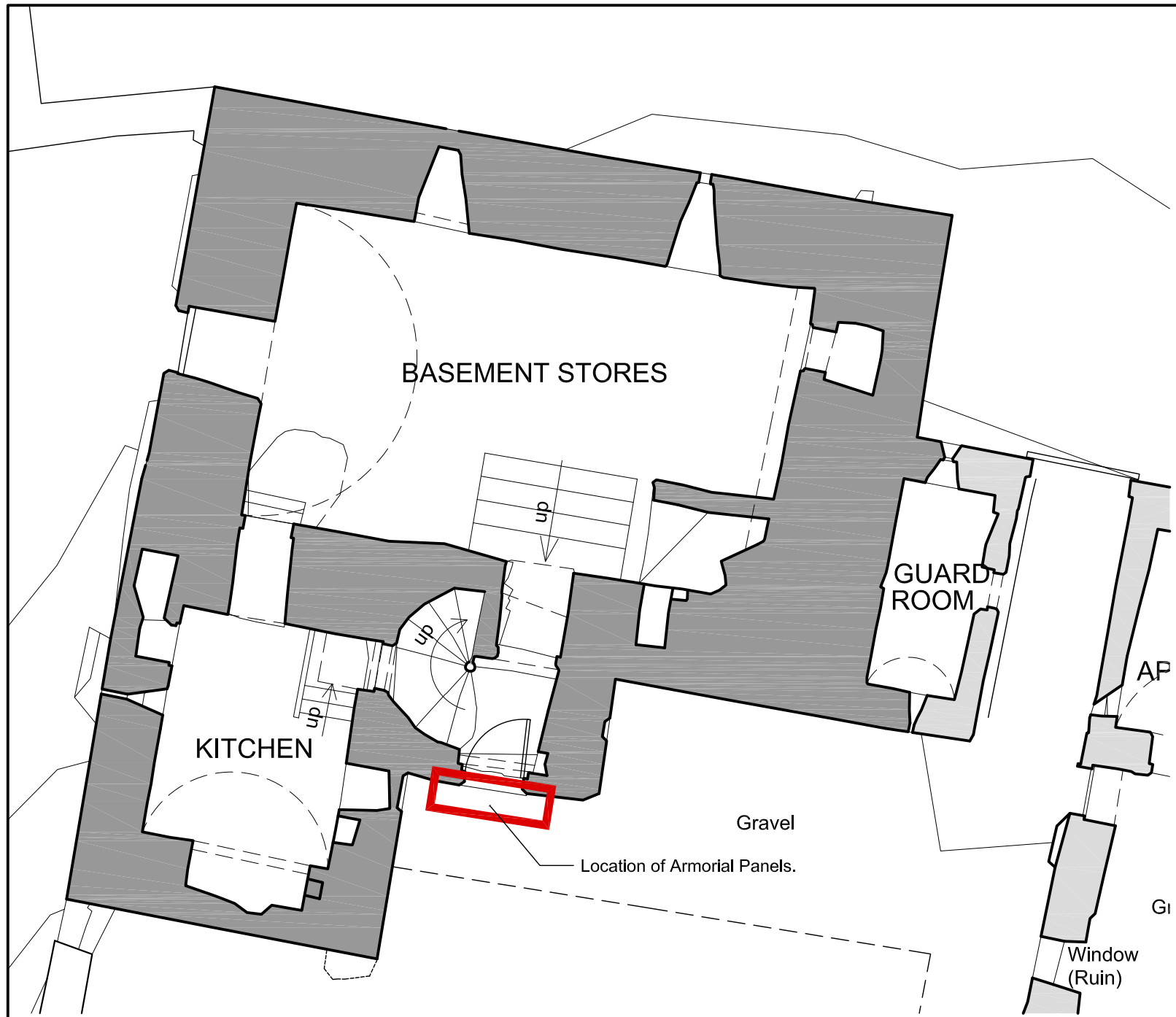




- Carefully remove Red Sandstone panel, protect and place into storage within castle. Indent new blank stone with same petrology and similar or higher porosity (Stone matching analysis required).
- Carefully remove Red Sandstone sill, protect and place into storage within castle. Indent new carved stone sill with same petrology and similar or higher porosity (Stone matching analysis required).
- Carefully remove Buff Sandstone panel, protect and place into storage within castle. Indent new blank stone with same petrology and similar or higher porosity (Stone matching analysis required).
- Carefully remove Buff Sandstone sill, protect and place into storage at within castle. Indent new carved stone sill with same petrology and similar or higher porosity (Stone matching analysis required).
- Edge point laminating sections of panel with colour matched acrylic mortar. Inject solution of Paraloid B72 at 5% behind laminating sections to slow further deterioration.

PHOTOGRAPH OF ARMORIAL PANELS - NTS
(Note: Condition of panels has further deteriorated since above photograph taken - refer to Stone Conservation Report)

GROUND FLOOR PLAN scale 1:100 at A3

- Proposed Works**
- Erect self supporting scaffold suitable for masonry works. Scaffold footing to be on a secure base, no ground penetration.
 - Carefully remove upper two panels and sill stones and place into storage within castle. Indent new petrologically similar stones with similar or higher porosity as existing. Stone matching analysis required. Re-bed stones in suitable lime mortar.
 - Edge point laminating sections of Lower panel with colour matched acrylic mortar and inject behind laminating sections with solution of Paraloid B72 at 5% to stabilise.
- Notes**
- Repairs to be carried out before onset of heavy frost and inclement weather.
 - Recording of panels, sills and frames in-situ with laser scanning techniques previously undertaken.
 - Stabilisation treatments are unlikely to have great longevity, Lower panel to be inspected yearly to ensure early identification of areas at risk of loss.

Residual Risks:-

- A. Working at height - Scaffold required
- B. Musculoskeletal injury - Weight of Stone Panels unknown - lifting gear may be required

SMC

MONUMENT	BALVAIRST CASTLE
PROJECT	Armorial Panels - Ground Floor Plan

HISTORIC SCOTLAND
ALBA AOSMHOR

PROJECT DRAWING NUMBER		SMC - 02	
SCALE	1:100 @ A3	ARCHITECT	DMB
DATE	25-11-2015	DRAWN BY	DMB
ARCHIVE NUMBER		397/027/092	