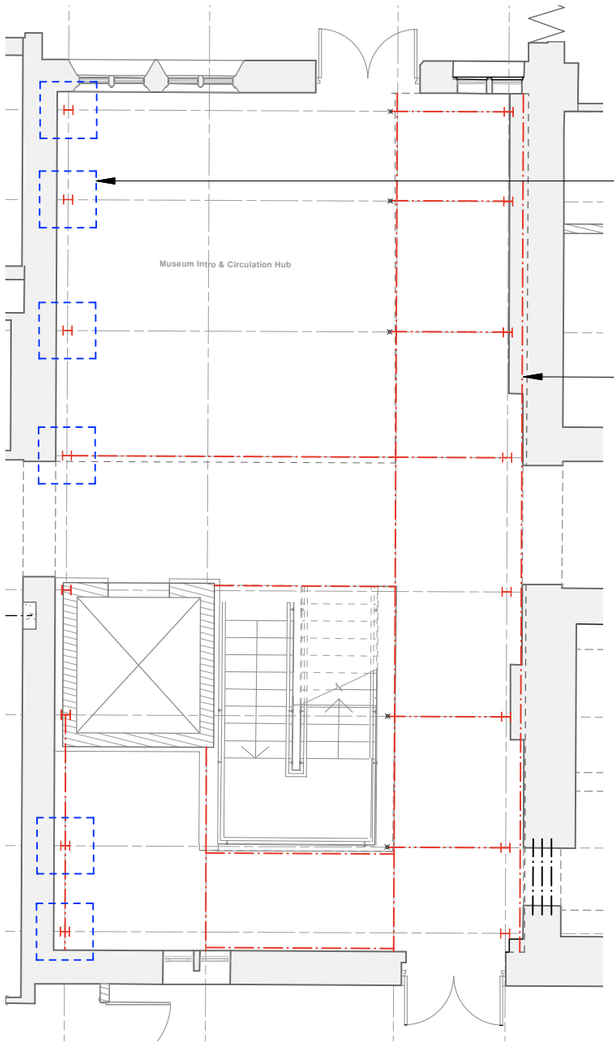
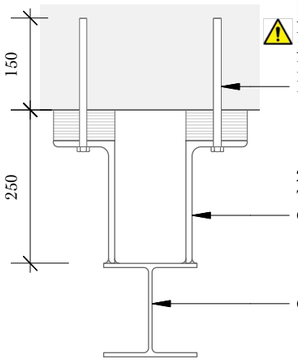


6No COLUMNS TO BE RESTRAINED BACK TO EXISTING MASONRY, AS DETAIL A, AND USING THE U/S OF THE WALKWAY CHANNEL AS A LEVEL LINE TO SET THE POINTS OF RESTRAINT - AS PHOTO 1.

USE PFC EDGE BEAM TO RESTRAIN VERTICAL COLUMNS. INSERT HILTI M12 RESIN ANCHORS THROUGH THE MASONRY INTO THE STEEL EACH SIDE OF THE COLUMN - SAY 300mm FROM CENTRELINE - AS INDICATED ON PHOTO 2 FOR THE FULL LENGTH OF THE WALKWAY

PLAN 1: COURTYARD EXTENSION
1:100 @ A3



FIXED BACK TO THE MASONRY USING 2No M12 HILTI RESIN ANCHORS, EMBEDMENT LENGTH 150mm.
NOTE: GAP BETWEEN FLANGE AND MASONRY APPROX 250mm. ALLOW FOR PACKERS AT FIXING POINTS TO ENSURE FLUSH FIXING.

2No 200 x 100 x 10 RSA, 150mm LONG, TO BE FILLET WELDED TO REAR COLUMN FLANGE.

COLUMNS, 152 x 23 UC

DETAIL A
1:10 @ A3

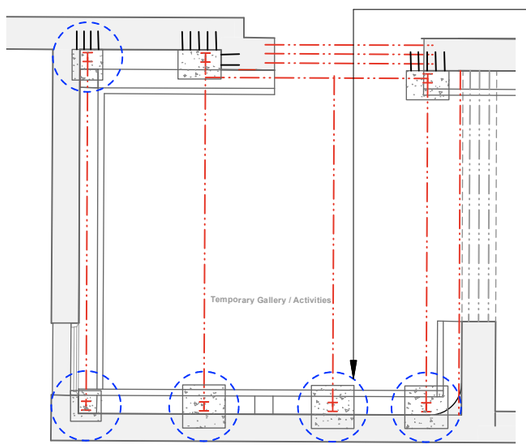
1:100
0 1m 2m 3m 4m 5m 10m



PHOTO 1

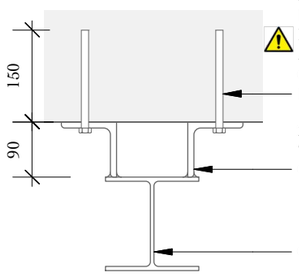


PHOTO 2



5No COLUMNS TO BE RESTRAINED BACK TO EXISTING MASONRY, AS DETAIL B, AND USING THE U/S OF THE FIRST FLOOR STRUCTURE AS A LEVEL LINE TO SET THE POINTS OF RESTRAINT - AS PHOTO 3.

PLAN 2: EXERCISE YARD EXTENSION
1:100 @ A3



FIXED BACK TO THE MASONRY USING 2No M12 HILTI RESIN ANCHORS, EMBEDMENT LENGTH 150mm.
NOTE: GAP BETWEEN FLANGE AND MASONRY APPROX 90mm. SITE TO CONFIRM DIMS AT EACH FIXING POINT.

2No 90 x 90 x 10 RSA, 150mm LONG, TO BE FILLET WELDED TO REAR COLUMN FLANGE.

COLUMNS, 152 x 23 UC

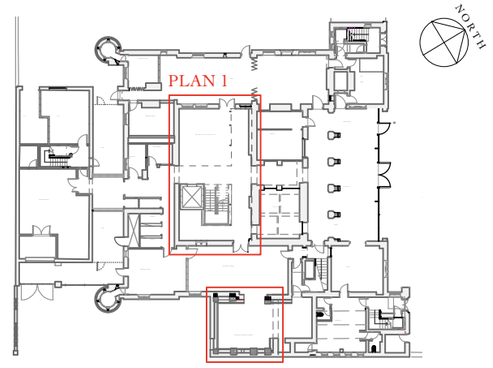
DETAIL B
1:10 @ A3



PHOTO 3

GENERAL NOTES

1. Do not scale from this drawing. Use figured dimensions only. Unless otherwise stated all drawing units are in millimetres. Levels are in meters.
2. This drawing to be read in conjunction with all other relevant consultant/specialist drawings and specifications.
3. Check levels/dimensions quoted on drawing against those on site before finalising.
4. Report any discrepancies before affected work commences.
5. For setting out dimensions, see Architect's drawings.
6. This drawing remains copyright of Blackett-Ord Conservation Ltd. Copy/distribute only with consent of the Author.



KEY PLAN
NTS @ A3

KEY:

- Column to be restrained using Detail A
- Column to be restrained using Detail B

NOTES:

STEELWORK

1. STEEL GRADE TO BE S275 (MIN)
2. FIRE PROTECTION OF STEELWORK TO ARCHITECT SPECIFICATION & APPROVAL OF BUILDING CONTROL.

PROPRIETARY ELEMENTS:

3. FIXINGS RESIN ACNHORS HILTI M12

FIXING POSITIONS DETERMINED TO ALLOW FOR MAJORITY OF FIXINGS INTO THE MORTAR JOINTS. SWG TO SET OUT ON SITE TO DETERMINE NUMBER OF FIXINGS INTO STONES DUE TO RANDOM COURSING OF STONEWOR

PRELIMINARY

- 06.03.25 Issued for Review & Approvals

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Wrexham Museum
for Wrexham County Borough Council

Proposed Column Restraint

Drawing No:	Rev:	Scale:	Date:
X73/Sk-44	-	1:100 & 1:10 @ A3	6th March 2025