



QUARRY BANK MILL, STYAL, CHESHIRE

Survey Report

Volume 2 - Historical Background Figures

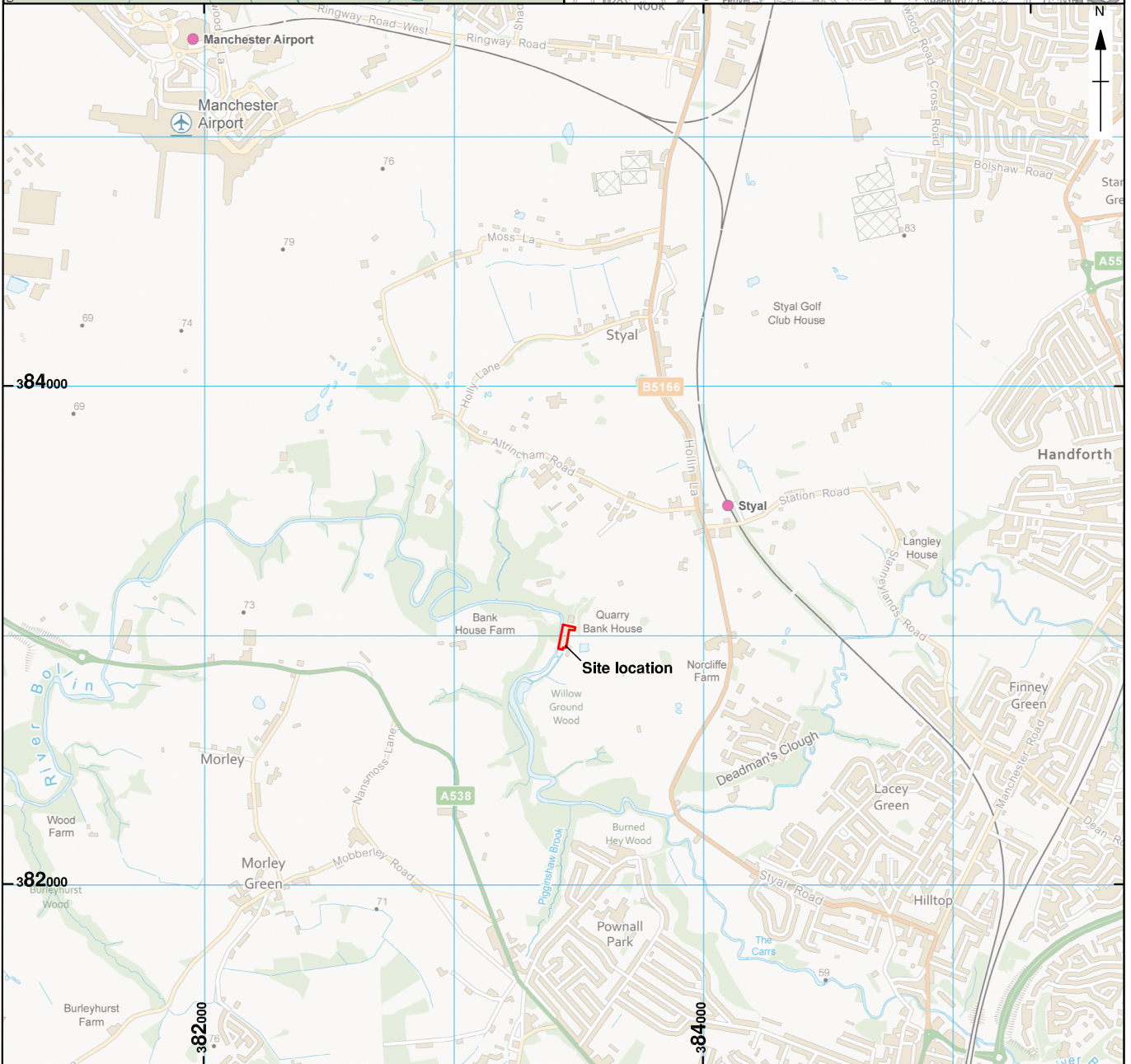


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JQ*L10603*AMS*191113

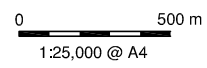
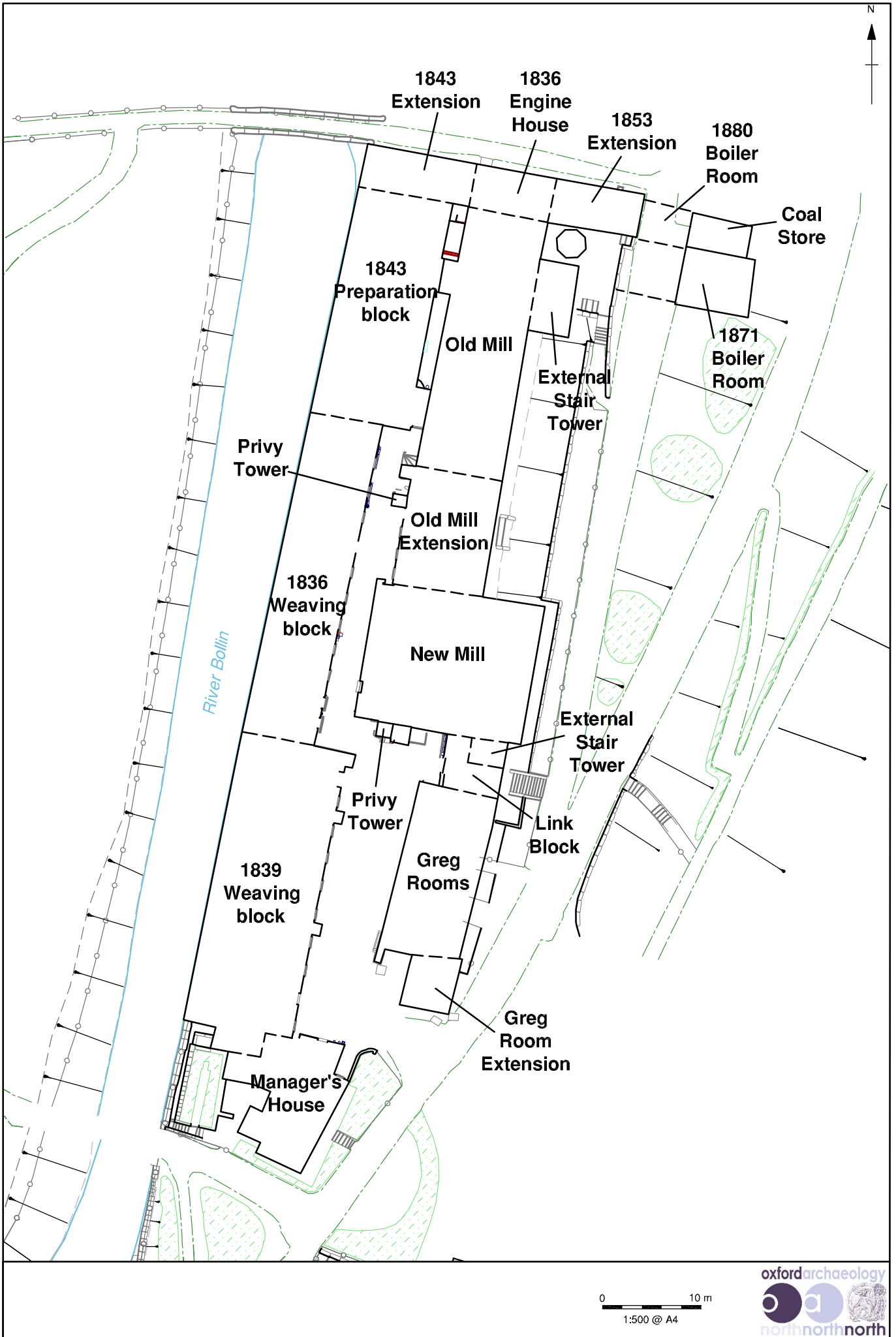


Figure 1: Site location



JQ*L10603*AMS*190314

Figure 2: Quarry Bank Mill Building Layout



Figure 3: Quarry Bank Mill on 'Plan of Lands in Styal in the Township of Pownall Fee and Parish of Wilmslow and County Palatine of Chester belonging to Robert Hyde Greg Esquire', 1836 (MA C5/7). Reproduced at c 1:2000



Figure 4: Quarry Bank Mill on Pownall Fee tithe map, surveyed by J Cawley, 1841 (Cheshire Record Office EDT 331/2); reproduced at c 1:2000



Figure 5: Quarry Bank Mill on 'Plan of the Parish of Wilmslow in the County of Chester, James Cawley surveyor, 1840', later copy (QBM).
Reproduced at c 1:2000

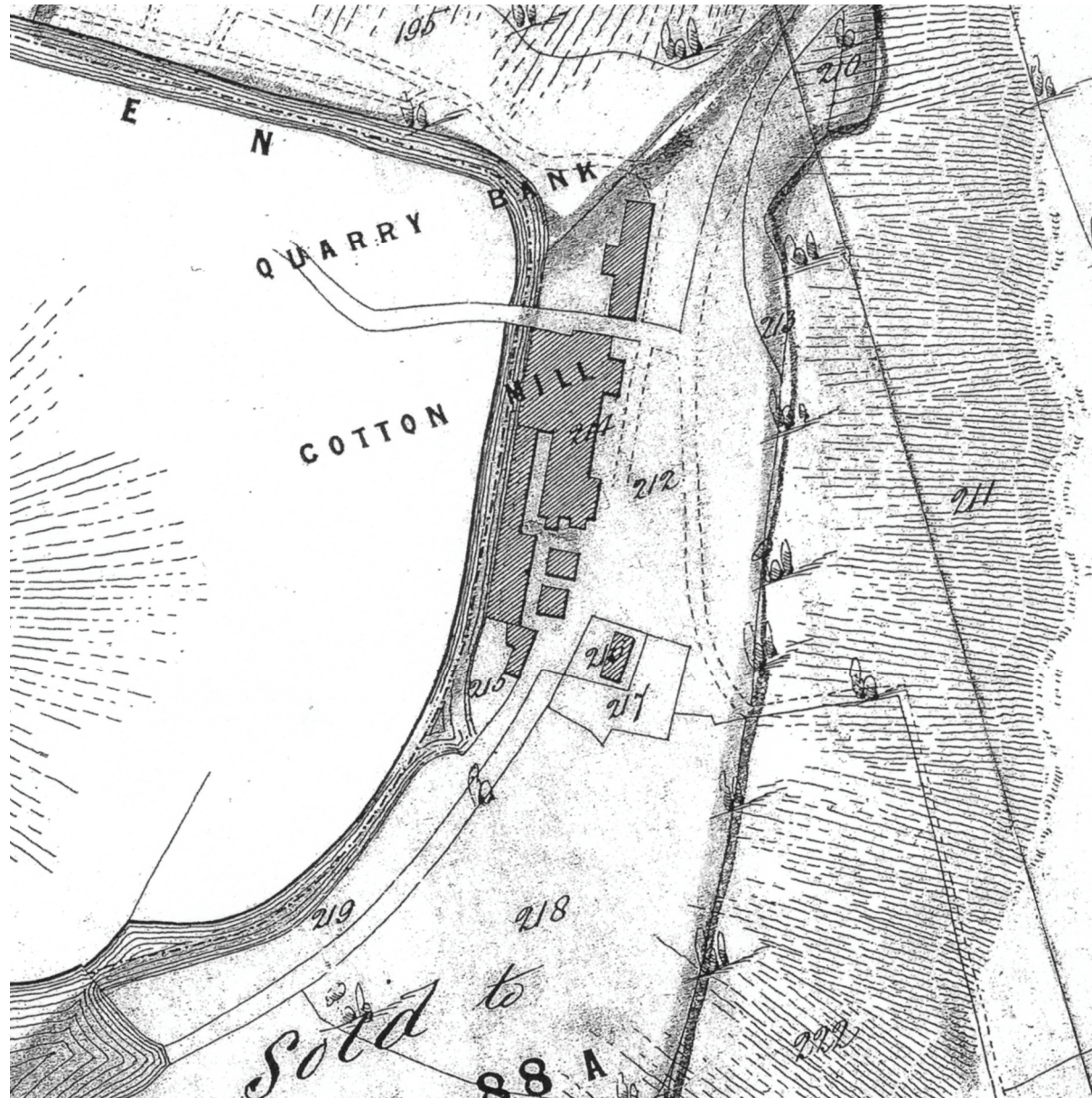


Figure 6: Quarry Bank Mill on sale plan of c 1853 (photocopy in NT Stamford Estate). Reproduced at c 1:2000

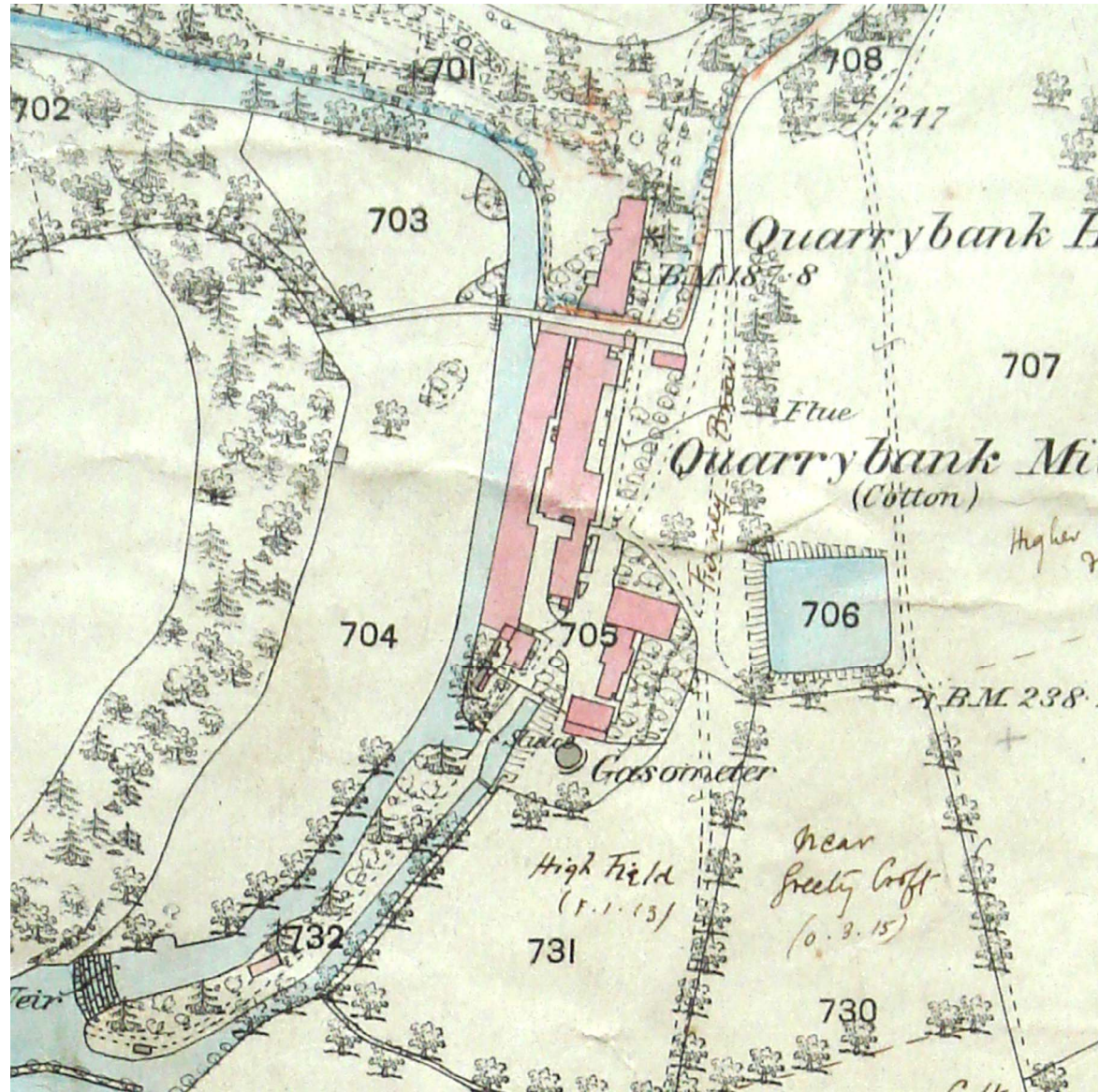


Figure 7: Quarry Bank Mill on OS 1:2500 Cheshire sheet XXVIII.1, surveyed 1872, published 1874, reprinted 1882 (QBM). Reproduced at 1:2000

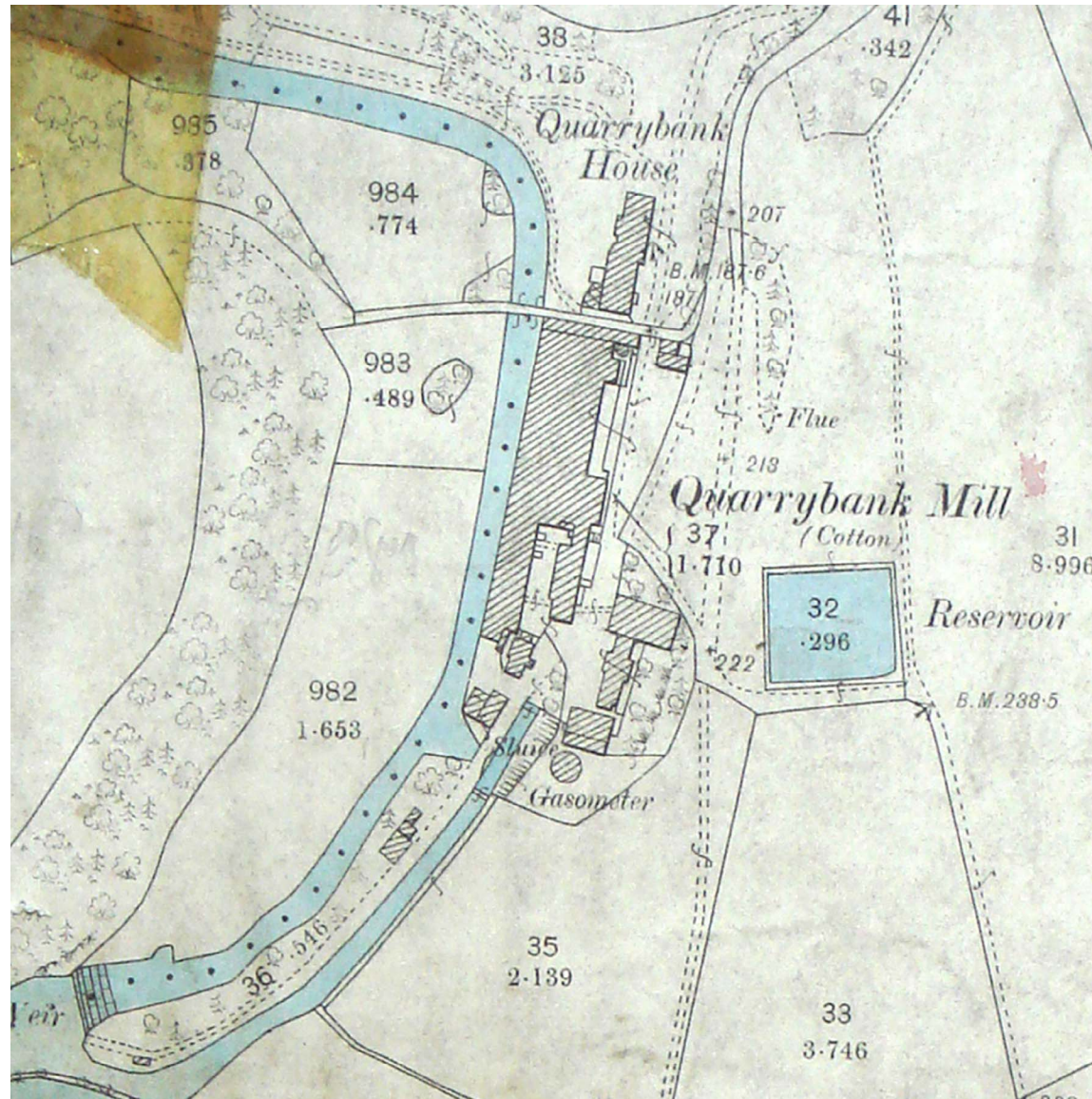


Figure 8: Quarry Bank Mill on OS 1:2500 Cheshire sheet XXVIII.1 Second Edition 1898, revised 1896-7 (QBM). Reproduced at 1:2000

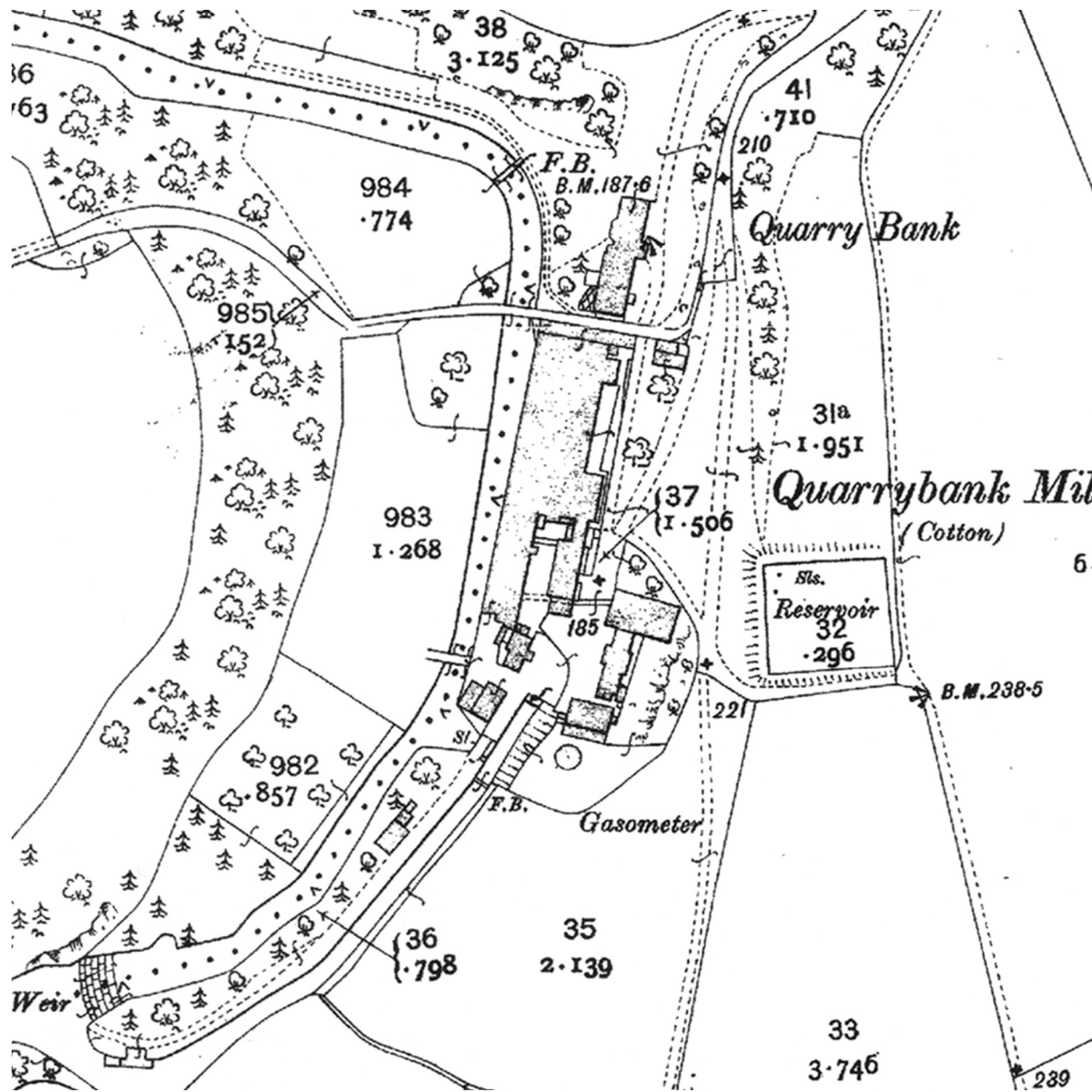


Figure 9: Quarry Bank Mill on OS 1:2500 Cheshire sheet XXVIII.1 Edition of 1910, revised 1907. Reproduced at 1:2000

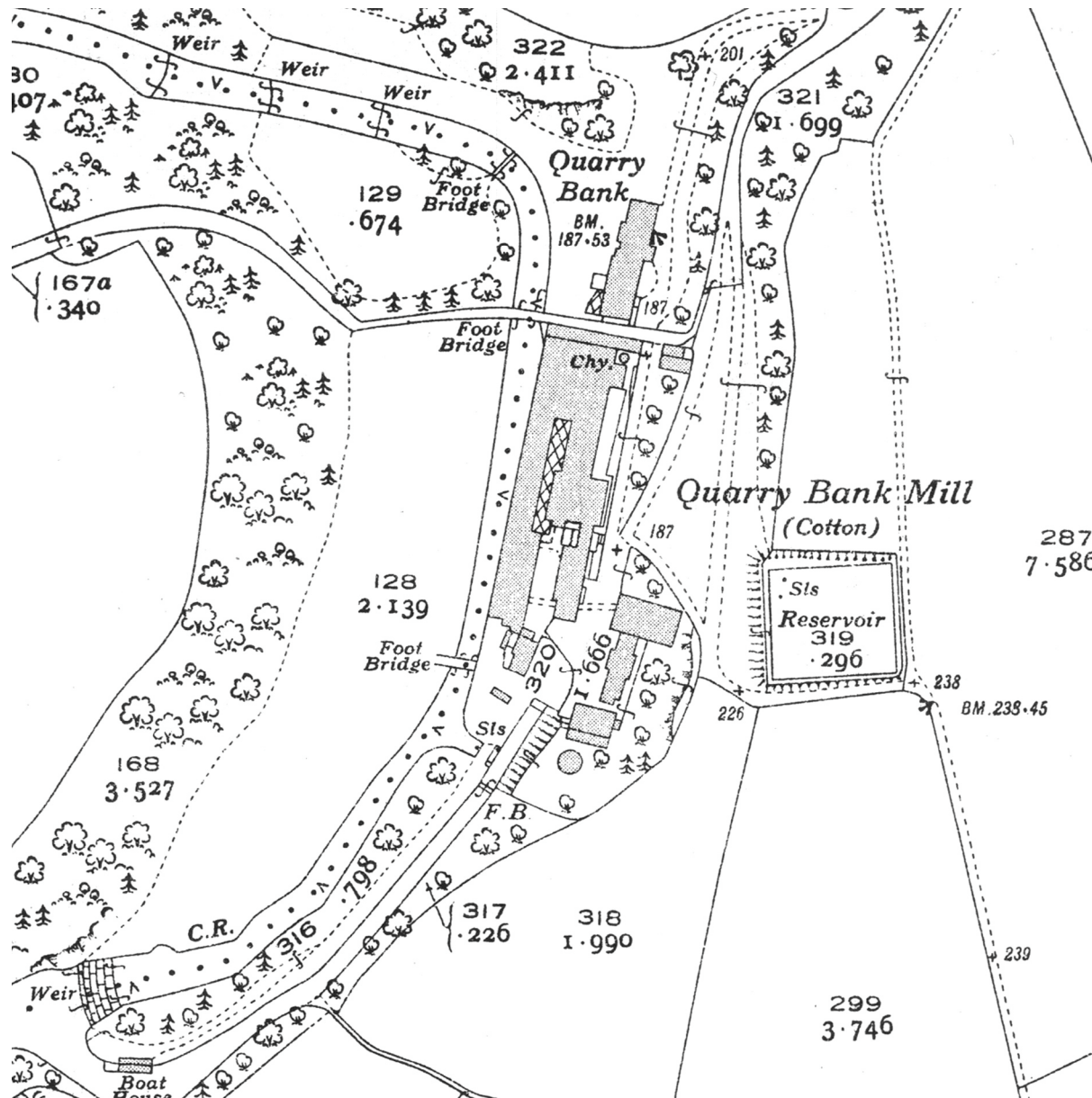


Figure 10: Quarry Bank Mill on OS 1:2500 Cheshire sheet XXVIII.1 Revision of 1935, revised 1935-6, published 1938. Reproduced at 1:2000

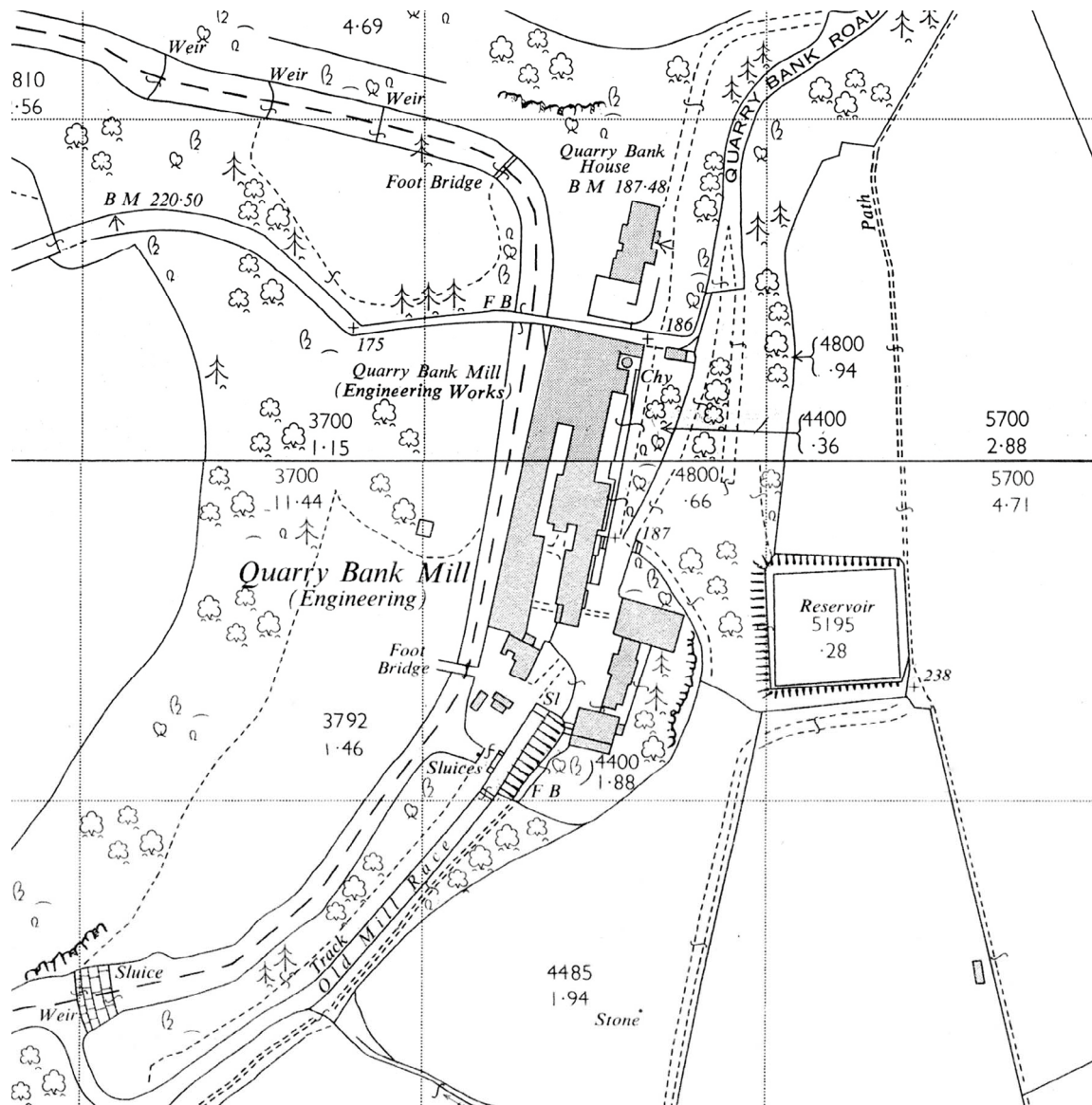
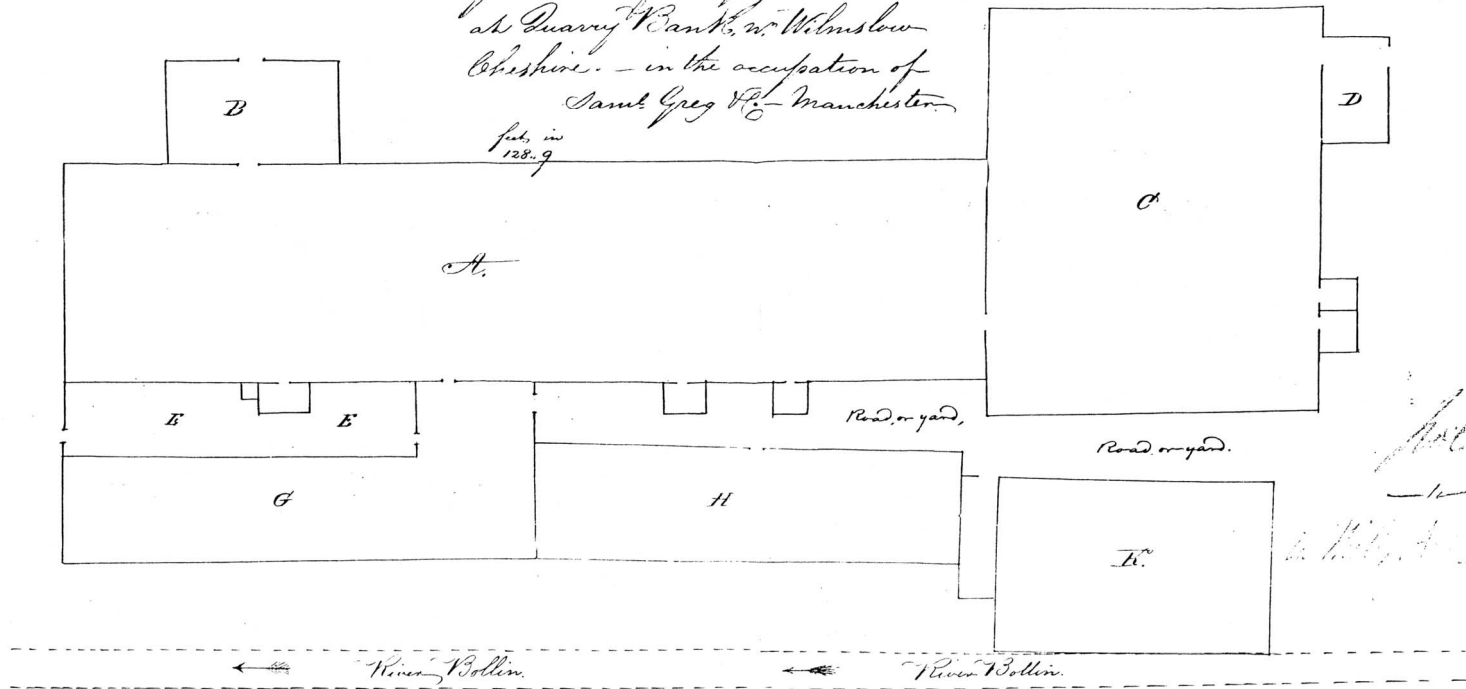


Figure 11: Quarry Bank Mill on OS 1:2500 SJ 8282 and SJ 8382, revised 1968, published 1969, and SJ 8283 and SJ 8383, revised 1968, published 1970. Reproduced at 1:2000

Ground Plan of Mr. Greg's Cotton Mills
at Quarry Bank, nr Wilmslow
Cheshire. - in the occupation of
Saml. Greg Esq. - Manchester.



July 17/50
- 30/11
a little - 2/6
0/11

- A. old Mill ^{128.9} feet long and 30 feet broad, 6 stories high including cellar & garret
Rafters & Slaters, wooden floors, paved with sheet iron; iron pillars supporting each
room. The cellar under A mechanic shop, & cleaning cotton room -
- B. wooden stair case, with water spout acting upon it -
- C. is new mill, in itself considered fire proof, but communicates by iron doors with
B. the roof of C & B also communicates, the cellar of C occupied by Water Wheel.
the dimensions 51 feet long & 146 feet broad
- E. Engine House one story high containing 10 horse Engine.
- G. Cleaning Cotton room. - one story -
- H. room for Picking & Sorting Cotton one story
- I. a room for raw cotton, two stories & packing room
- D. entrance to C, stone stair case,

on the Buildings, A, B, C, D, E, G, H & I	£ 500 - 0 - 0
on Millwright's works including all standing & going gears therein	500 - 0 - 0
on Cartmakers work, carding & burling engines and all moveable utensils in use therein	3500 - - -
on Stock of Cotton & Twist, therein -	500 - - -
	<u>£ 5000 - - -</u>

The insurance Policy, to refer to, and includes the buildings
A, B, C, D, E, G, H & I, and the machinery in any or all of
the said buildings.

{ 2500 insured in the Sun	} Fire Offices
{ 5000 - - - "Royal Exchange"	
{ 5000 - - - "Norwich"	

Figure 12: 'Ground plan of Mr Greg's Cotton Mills at Quarry Bank nr Wilmslow', February 1822 (QBM A108)

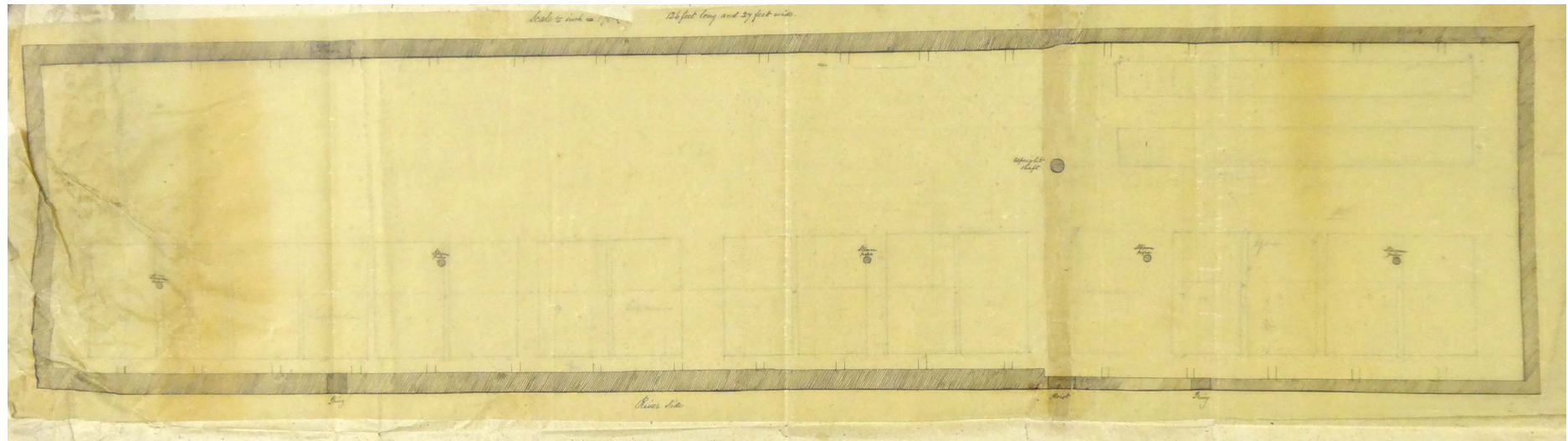


Figure 13: Plan of the Old Mill, nd (QBM T11362)

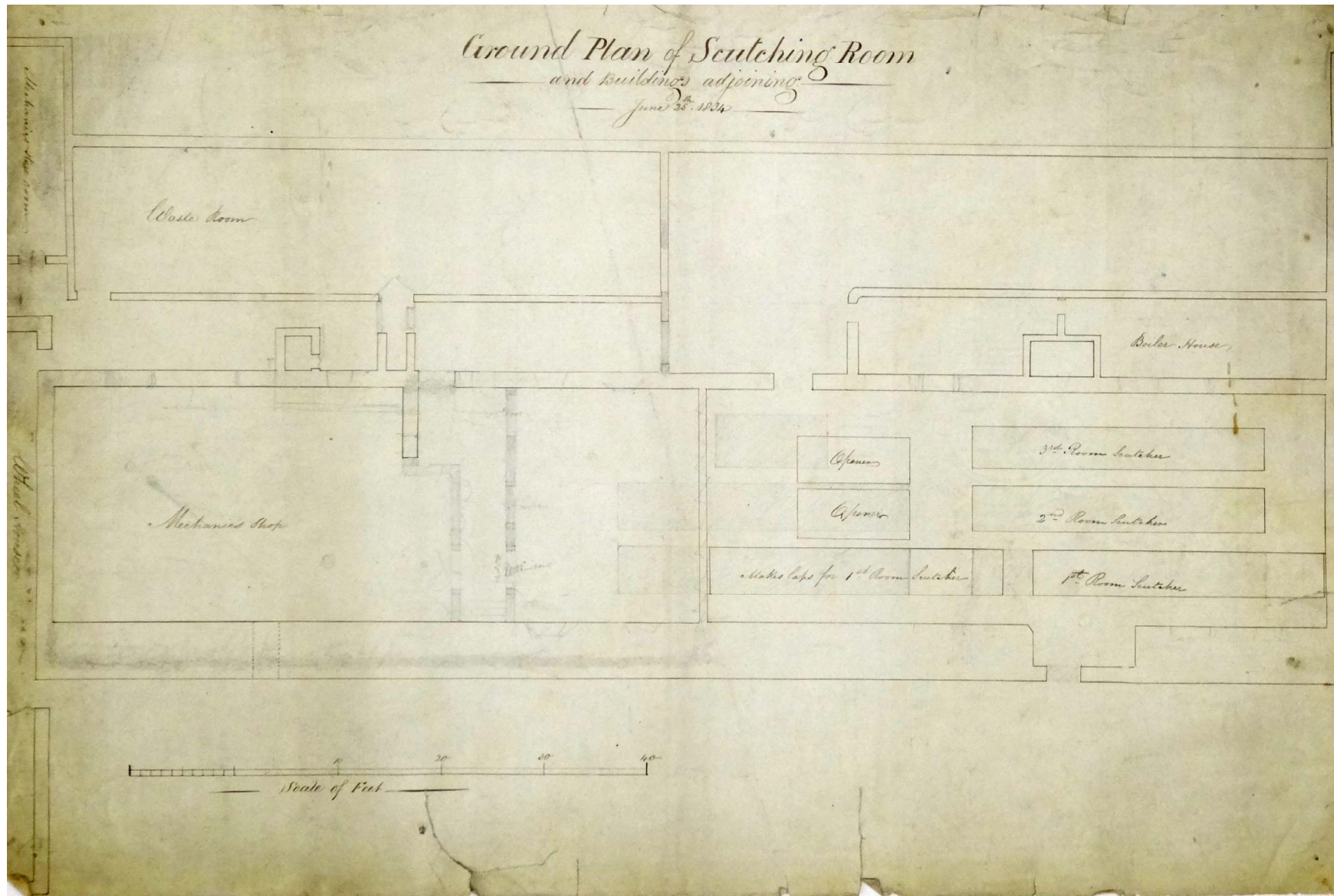


Figure 14: 'Ground Plan of Scutching Room and buildings adjoining', 25 June 1834 (QBM T11247)

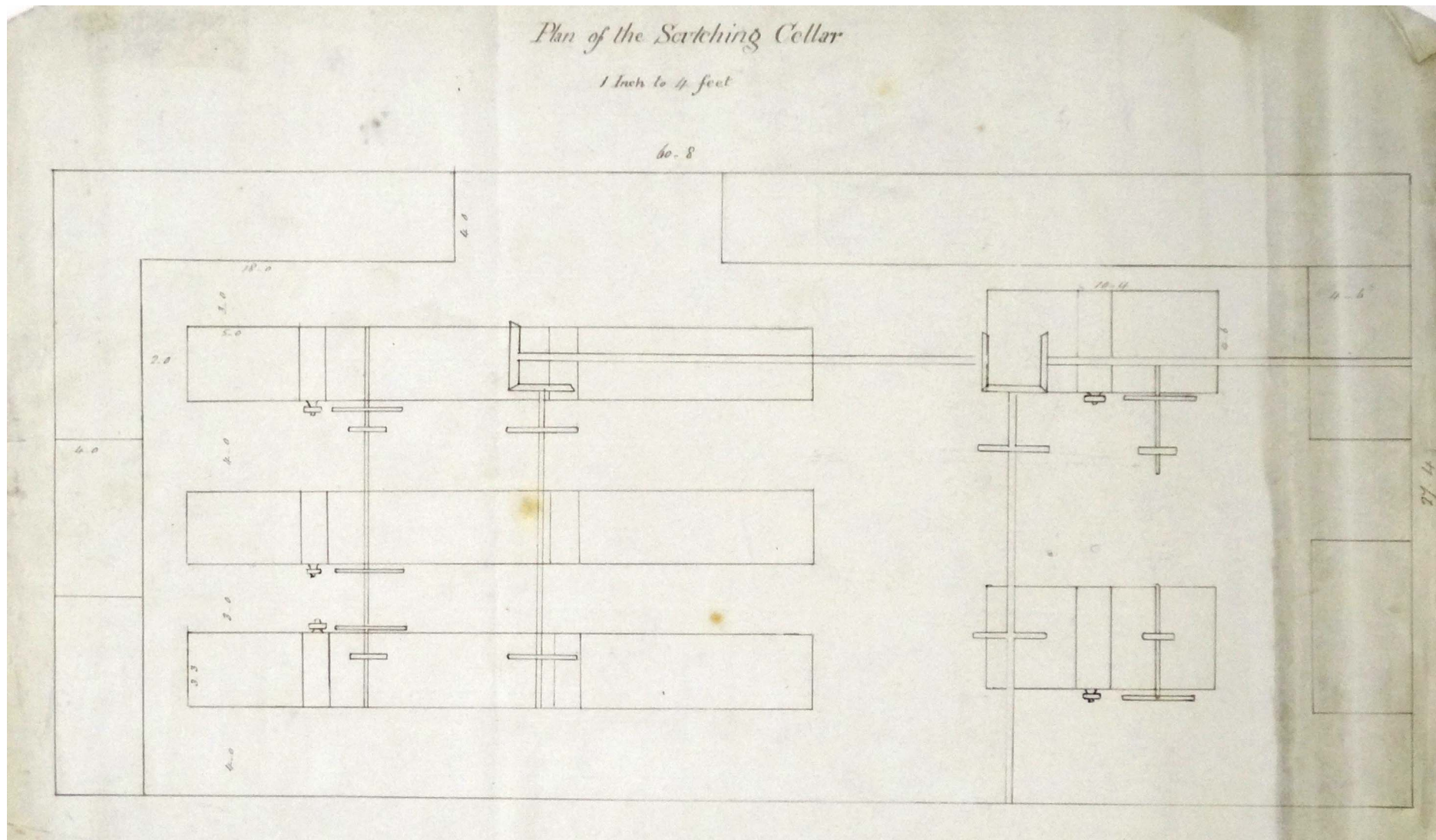


Figure 15: 'Plan of Scutching Cellar', nd (QBM T11370)

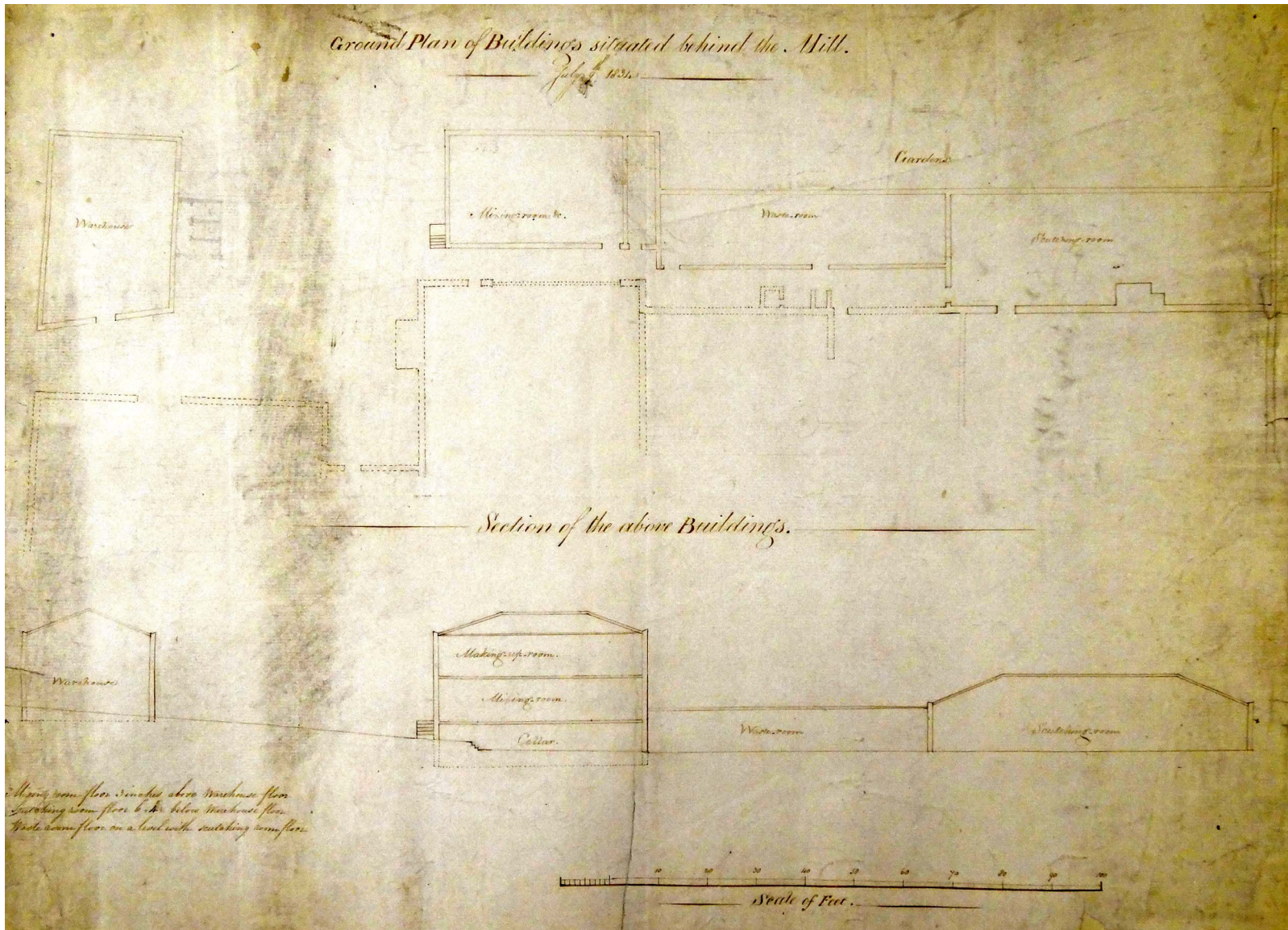


Figure 16: 'Ground plan of Buildings situated behind the Mill', 9 July 1834 (QBM)

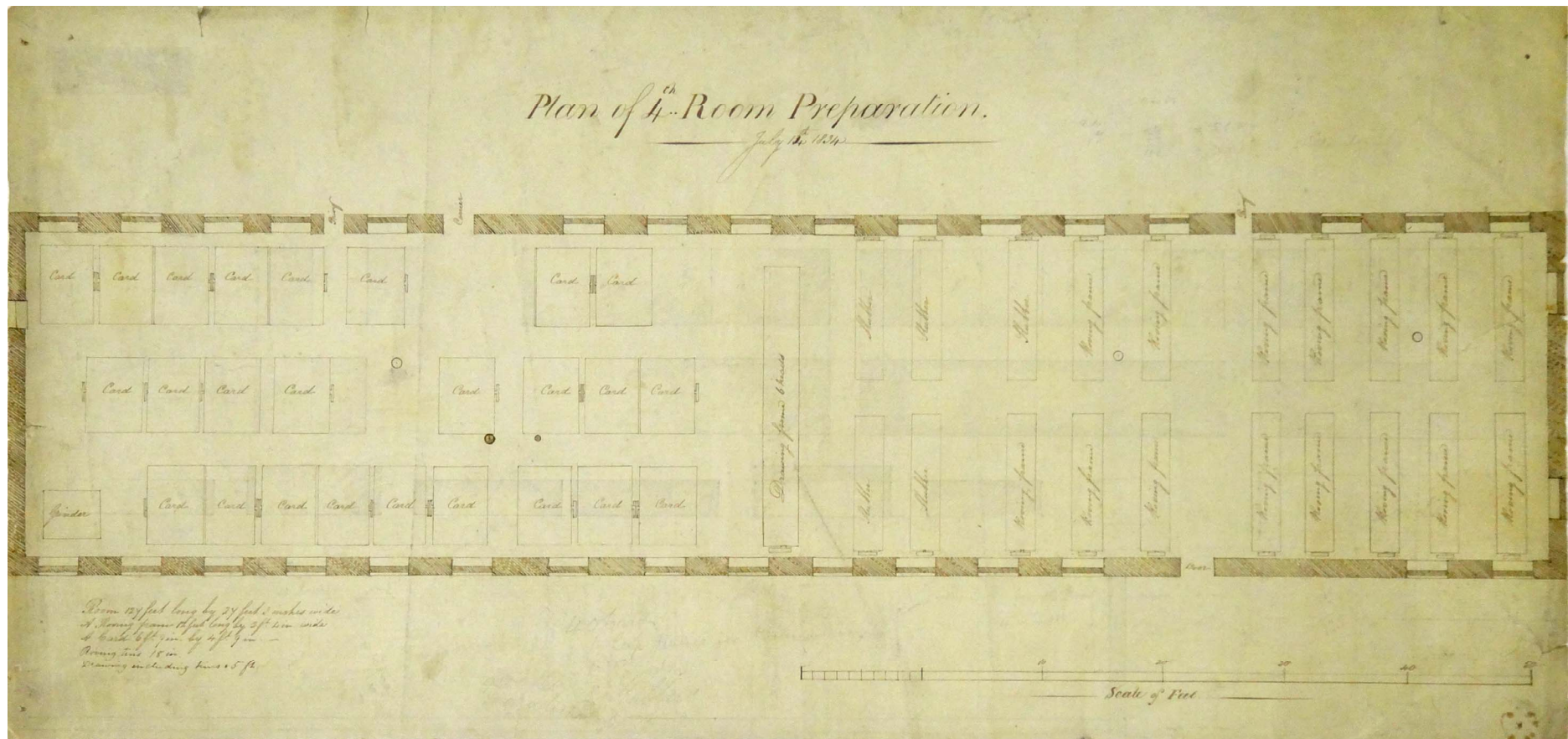


Figure 18: 'Plan of 4th Room Preparation', 14 July 1834 (QBM 3953)

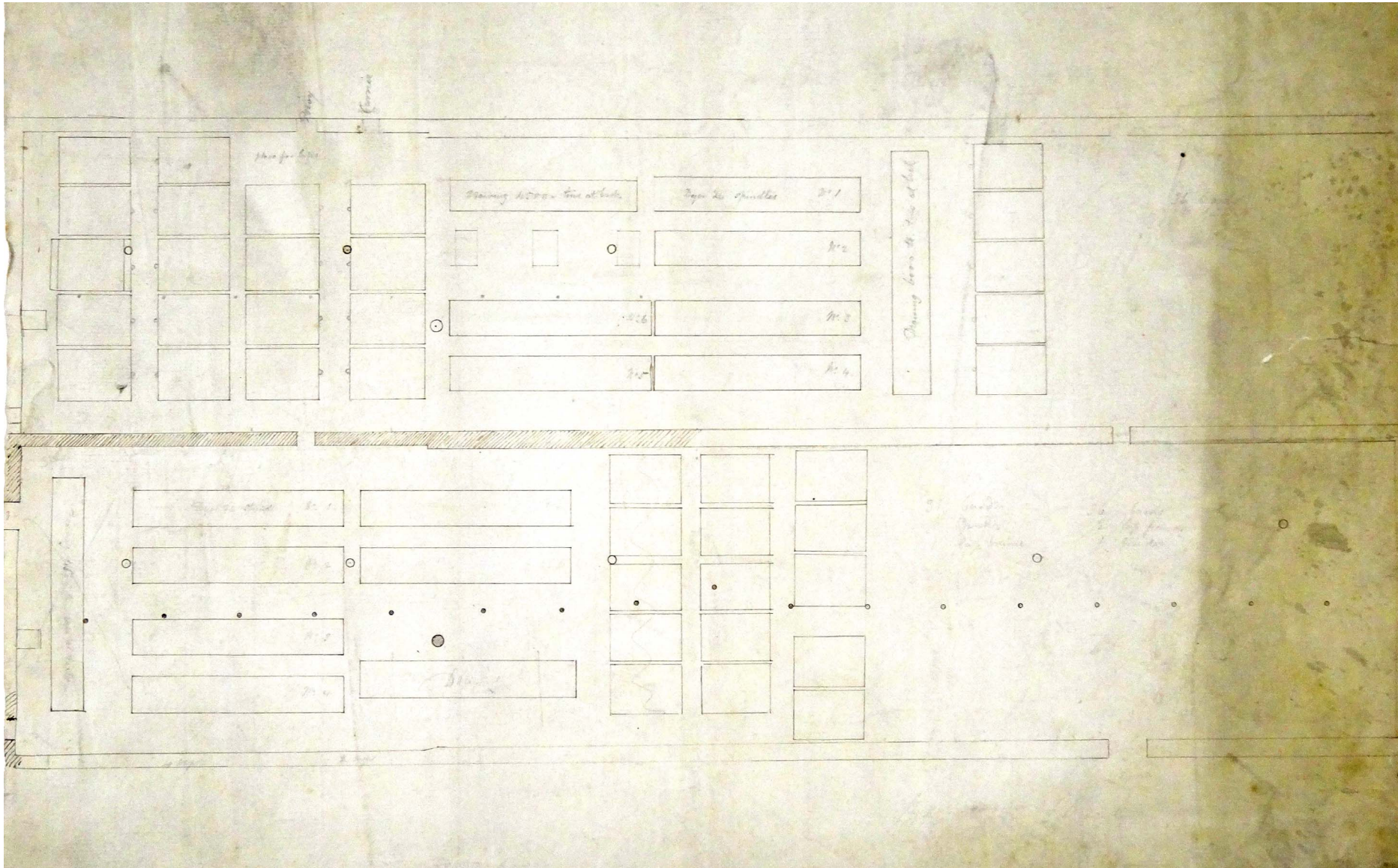


Figure 19: Plan of preparation rooms, nd (QBM T11369)

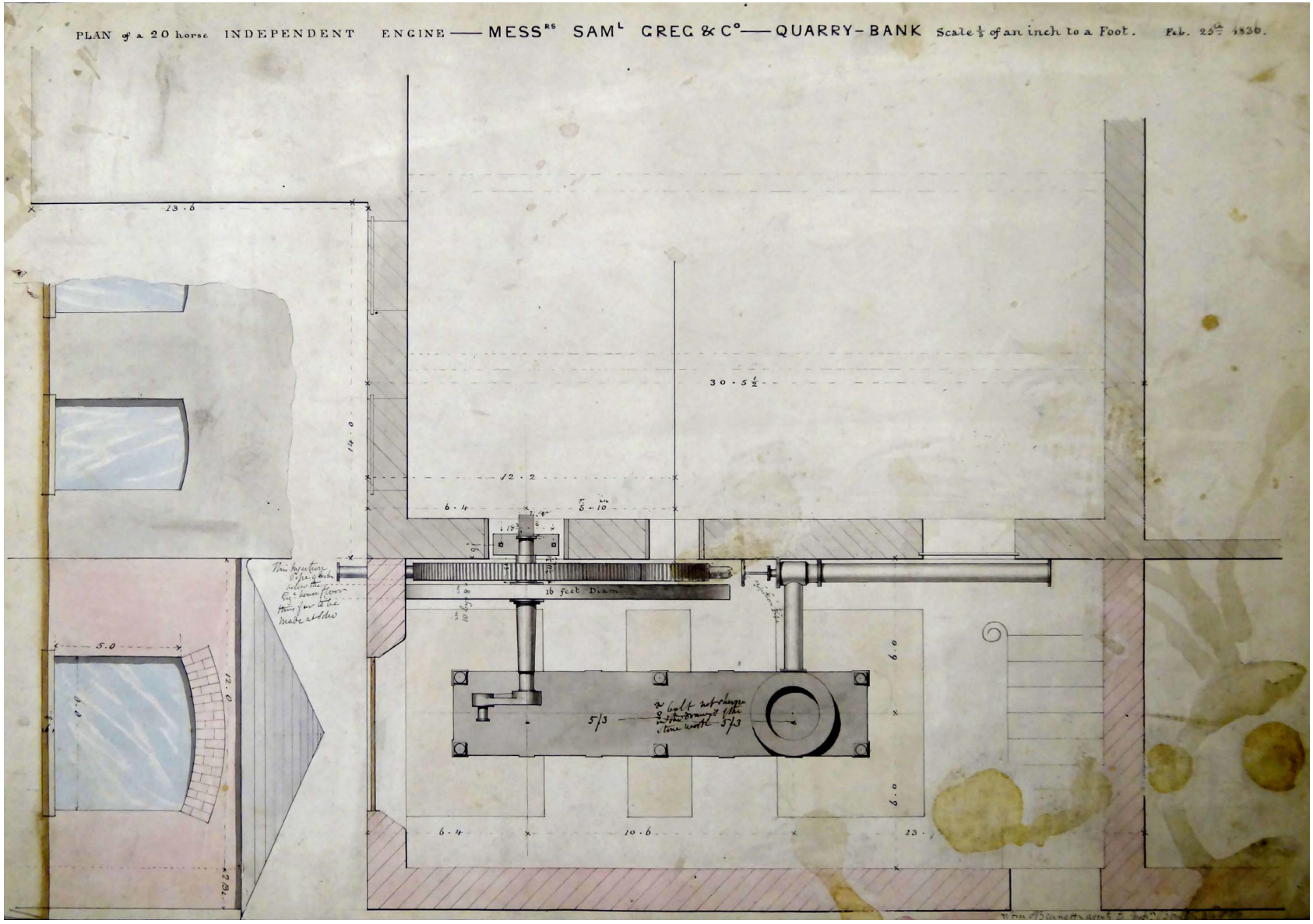


Figure 20: 'Plan of a 20 horse Independent Engine', 25 February 1836 (QBM T11224)

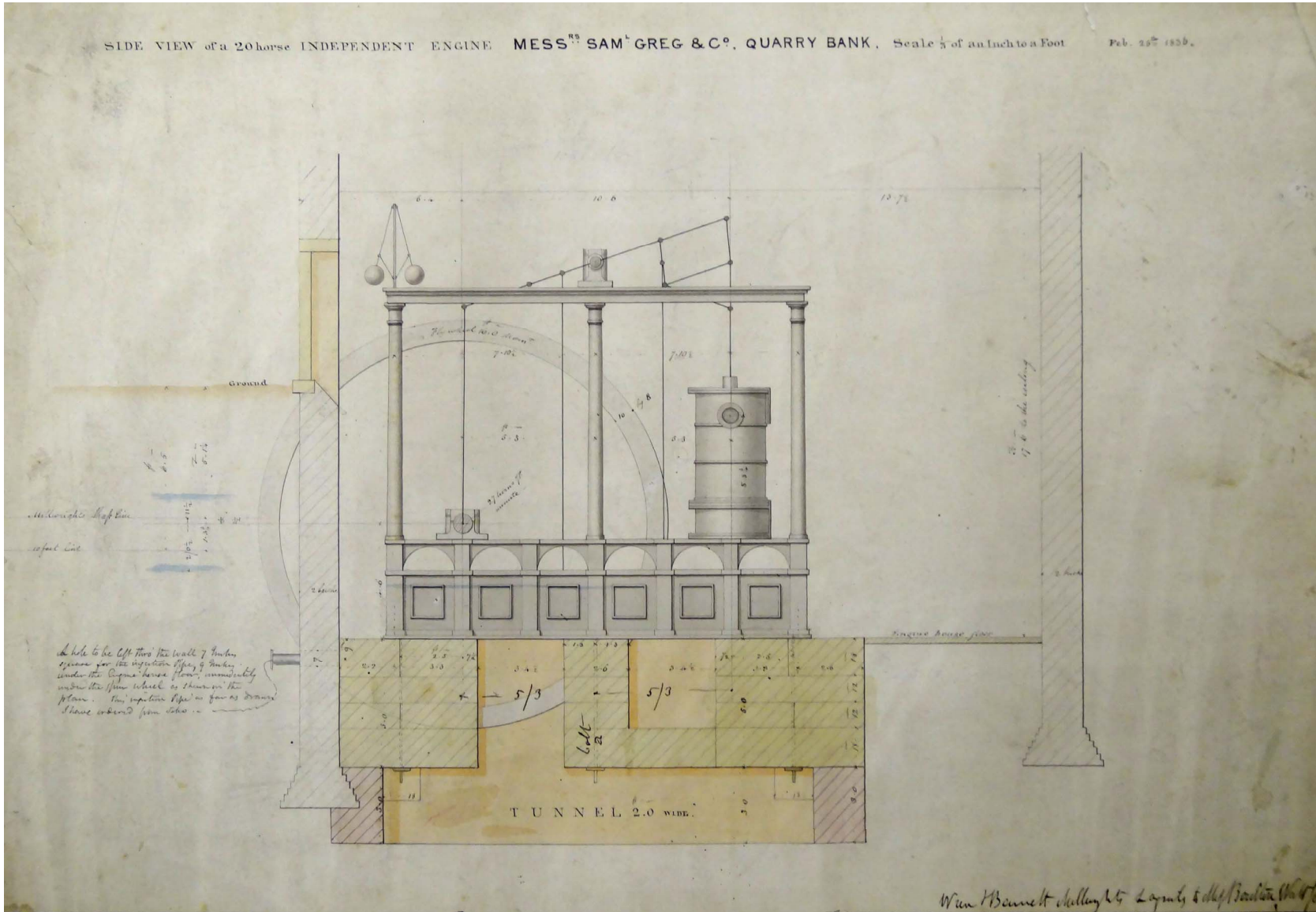


Figure 21: 'Side View of a 20 horse Independent Engine', 25 February 1836 (QBM T11219)

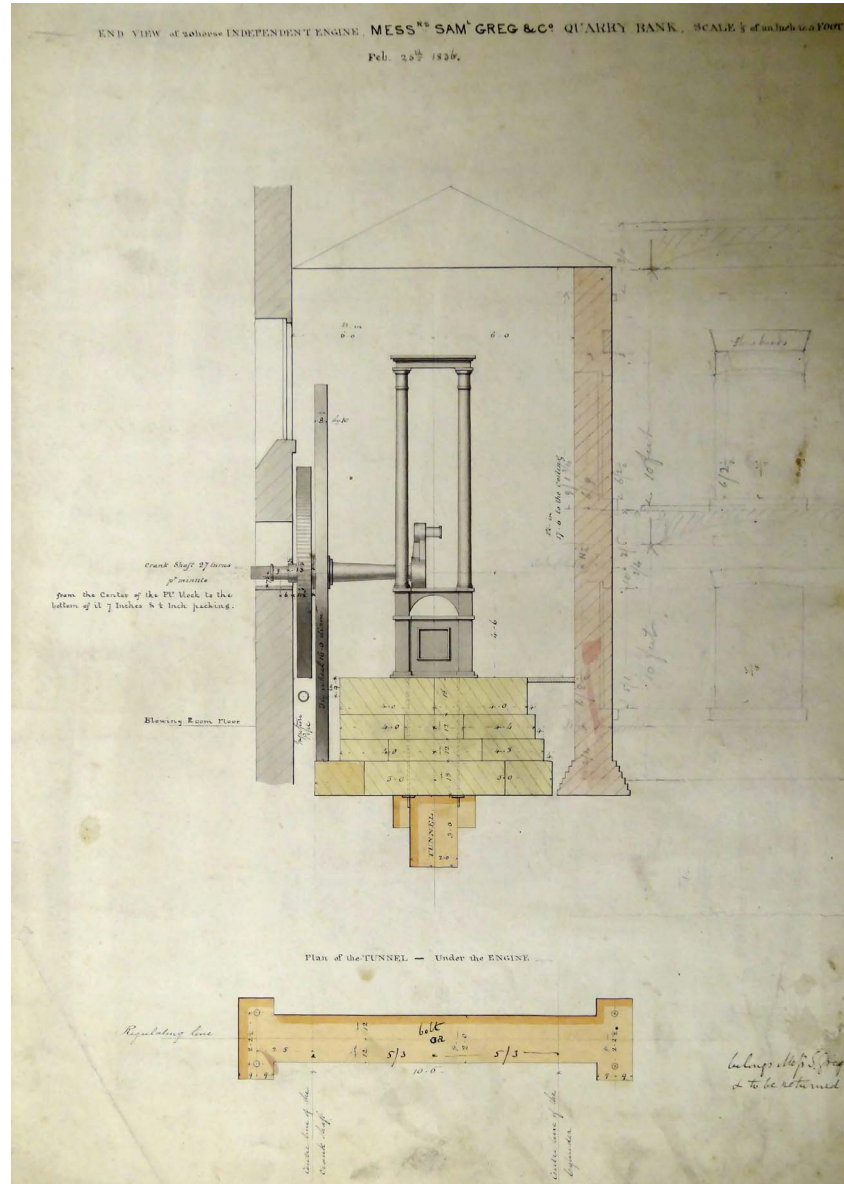


Figure 22: 'End View of 20 horse Independent Engine', 25 February 1836 (QBM T11220)

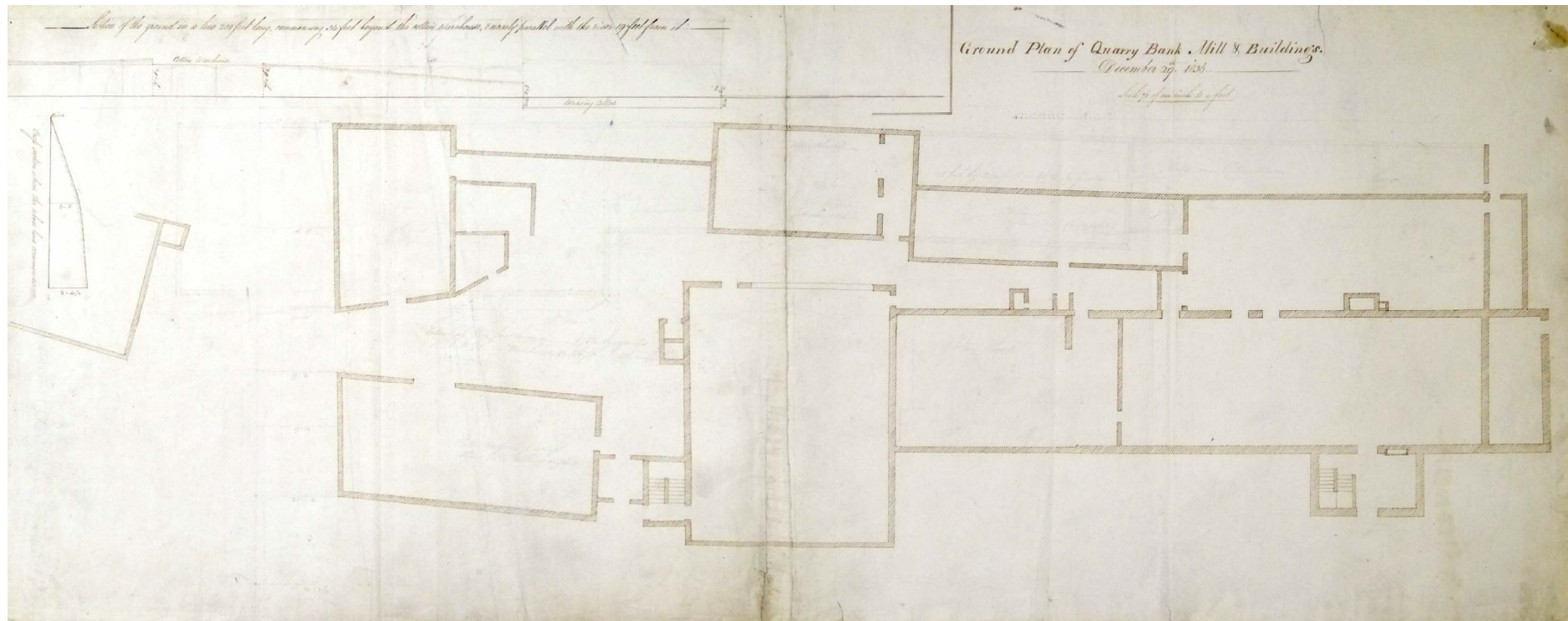


Figure 23: 'Ground plan of Quarry Bank Mill and Buildings', 29 December 1836 (QBM)

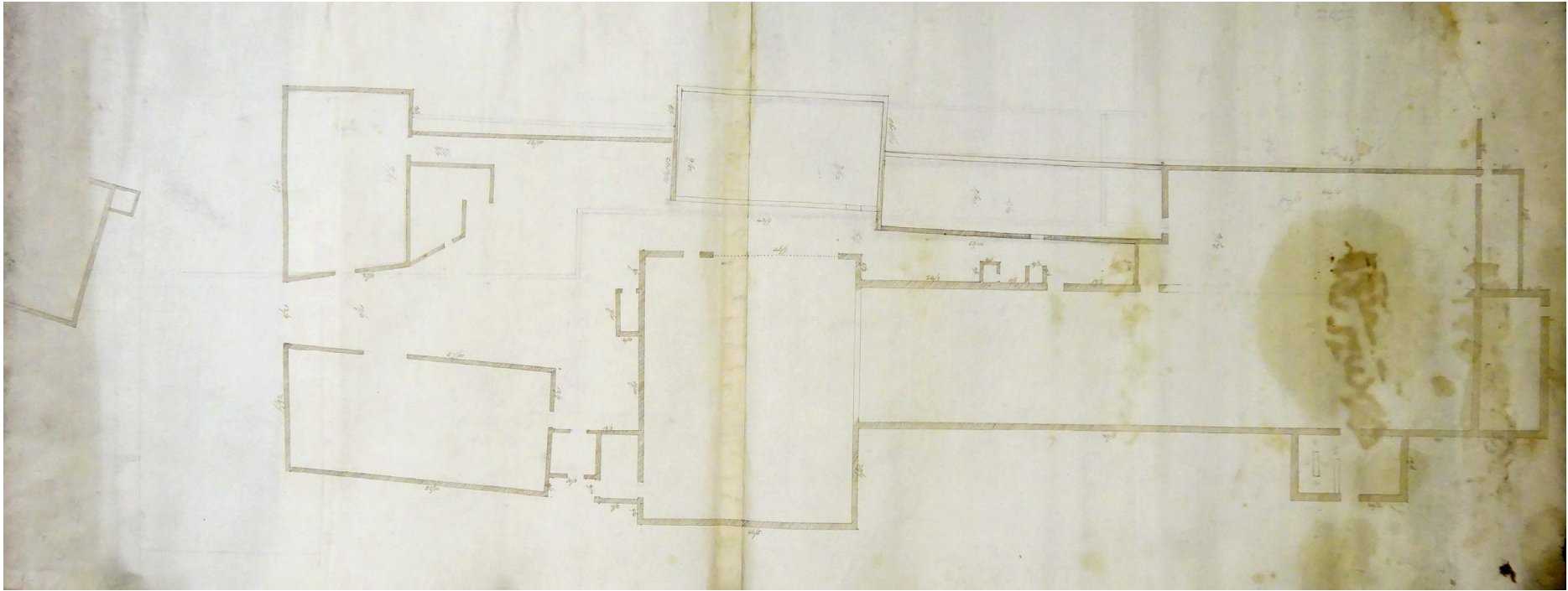


Figure 24: Ground plan of Quarry Bank Mill, c 1836 (QBM 183)

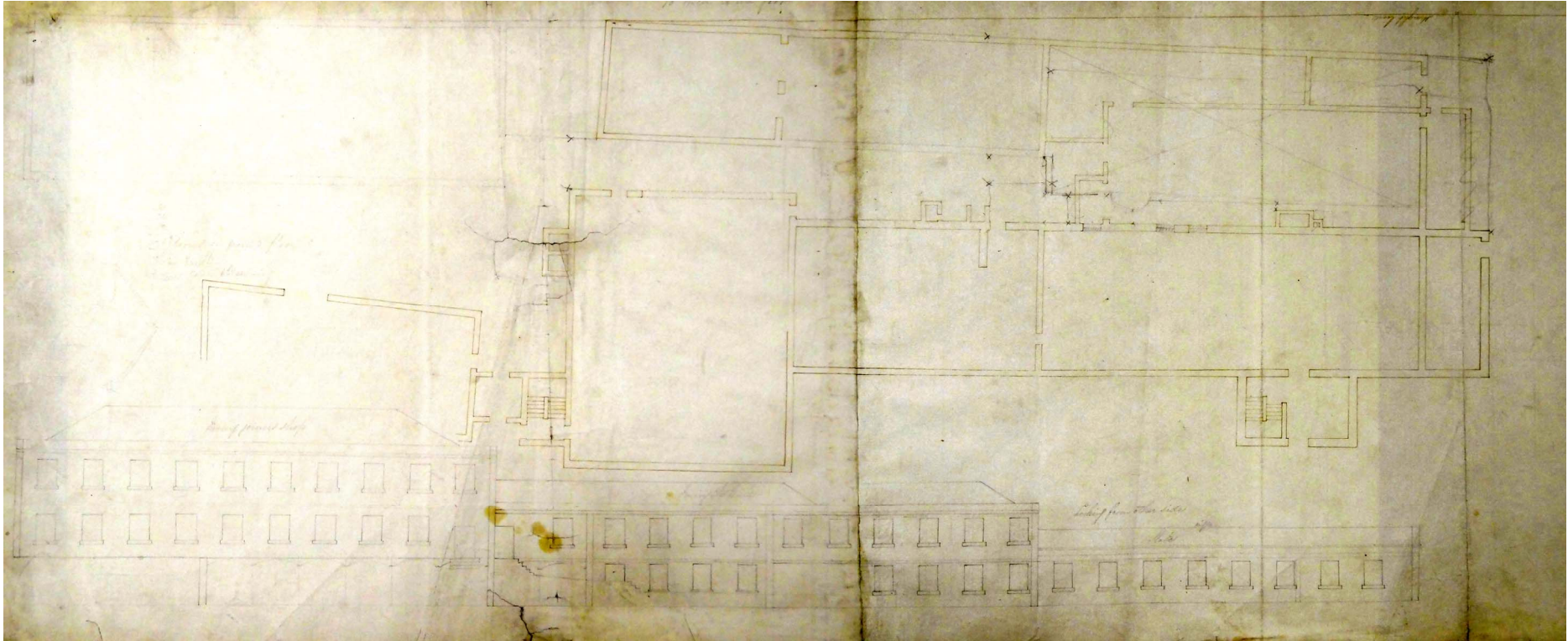


Figure 25: Ground plan of Quarry Bank Mill with elevation, c 1836 (dated 1834 on reverse) (QBM)



Figure 26: 'Plan for working Coarse preparation in 1st Spinning Room and the 1st Card Room', 29 December 1836 (QBM T11364)



Figure 27: 'Quarry Bank 2nd room arranged for 3 pairs self-acting mules, drawing and roving frames', nd (QBM T11361)

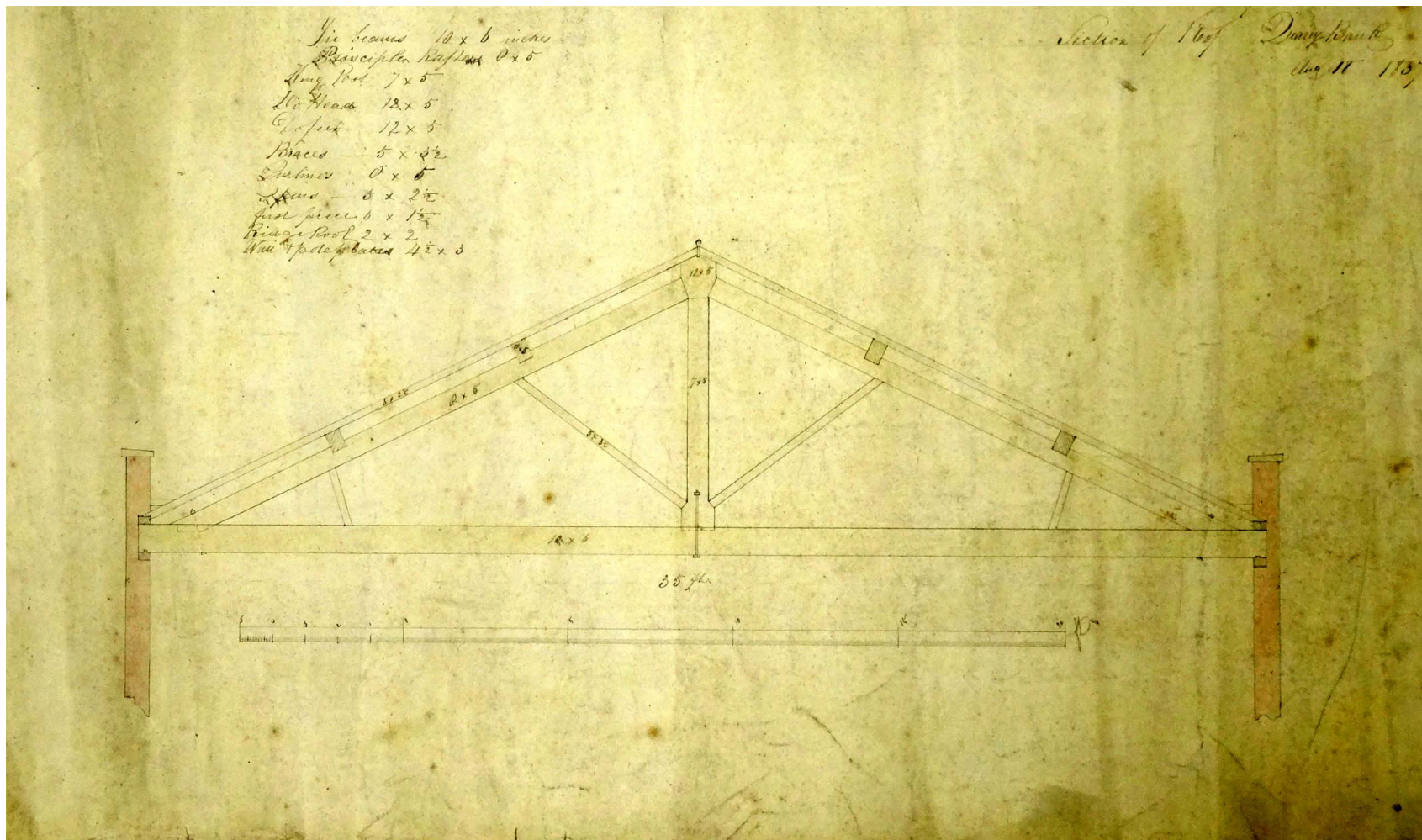


Figure 28: 'Section of Roof Quarry Bank Mill', south weaving shed, 18 August 1837 (QBM T10638)

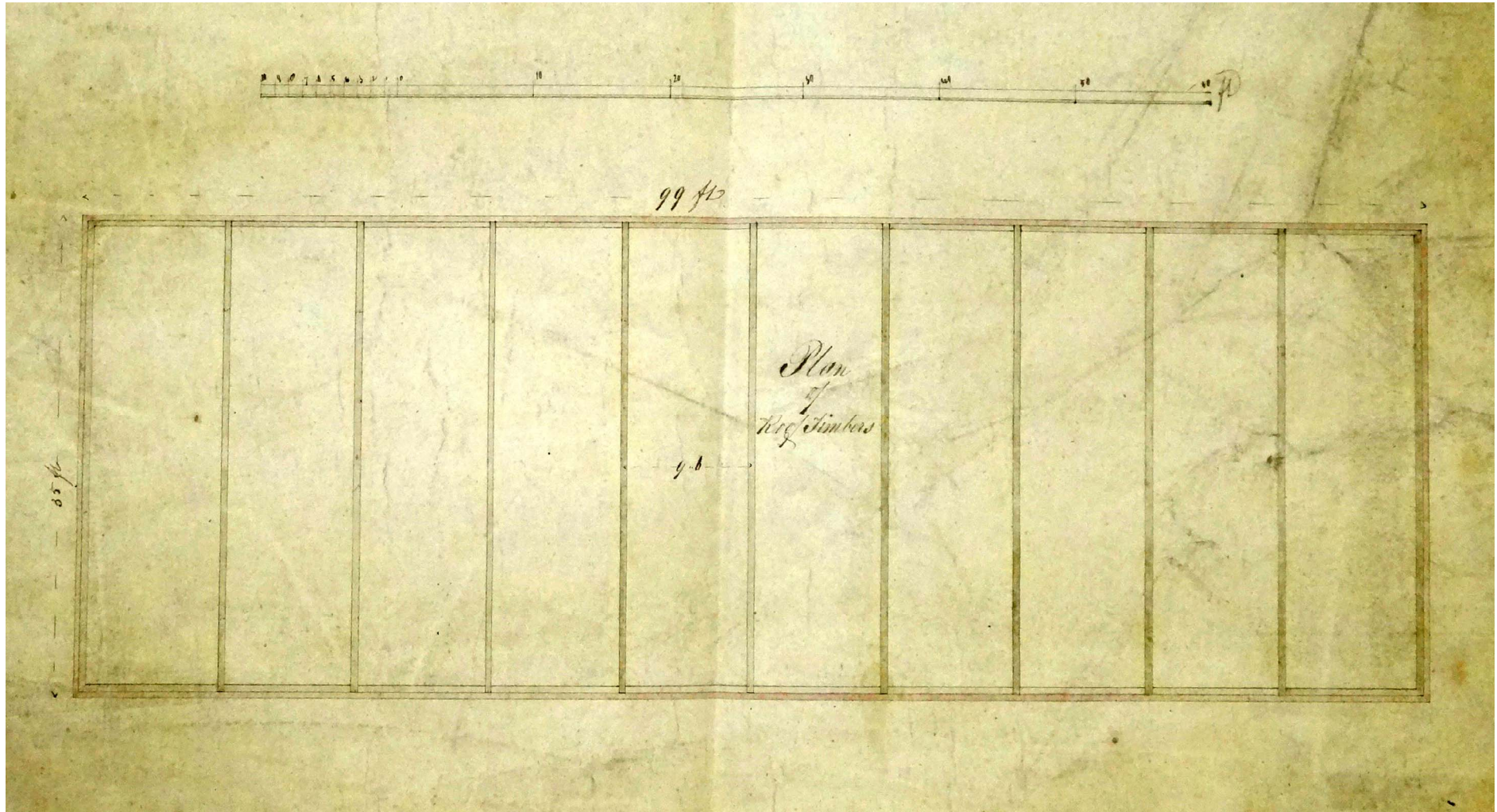


Figure 29: 'Plan of Roof Timbers', south weaving shed, nd (QBM 11372)

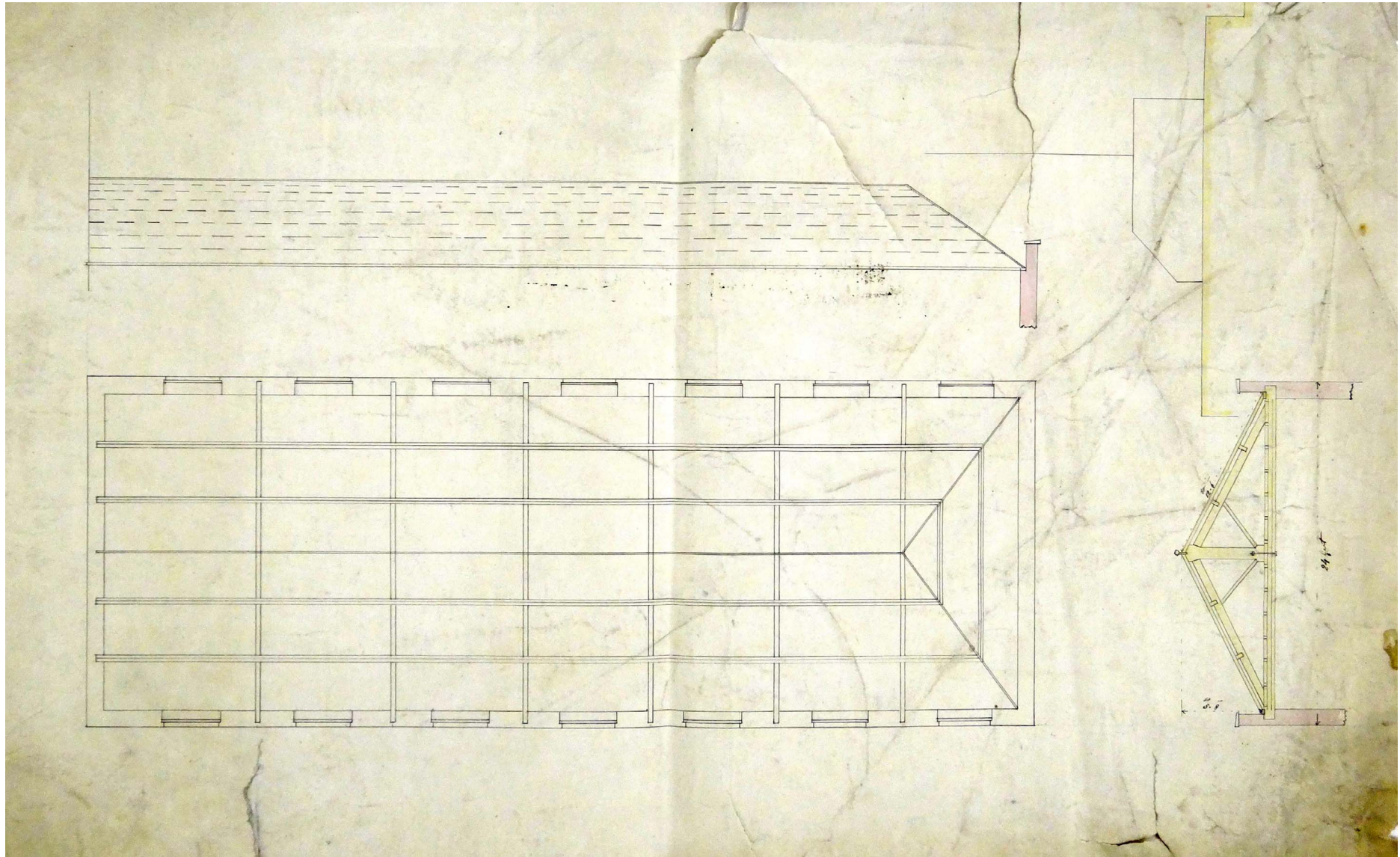


Figure 30: Plan of roof and elevation of truss of north weaving shed, nd (QBM 11366)

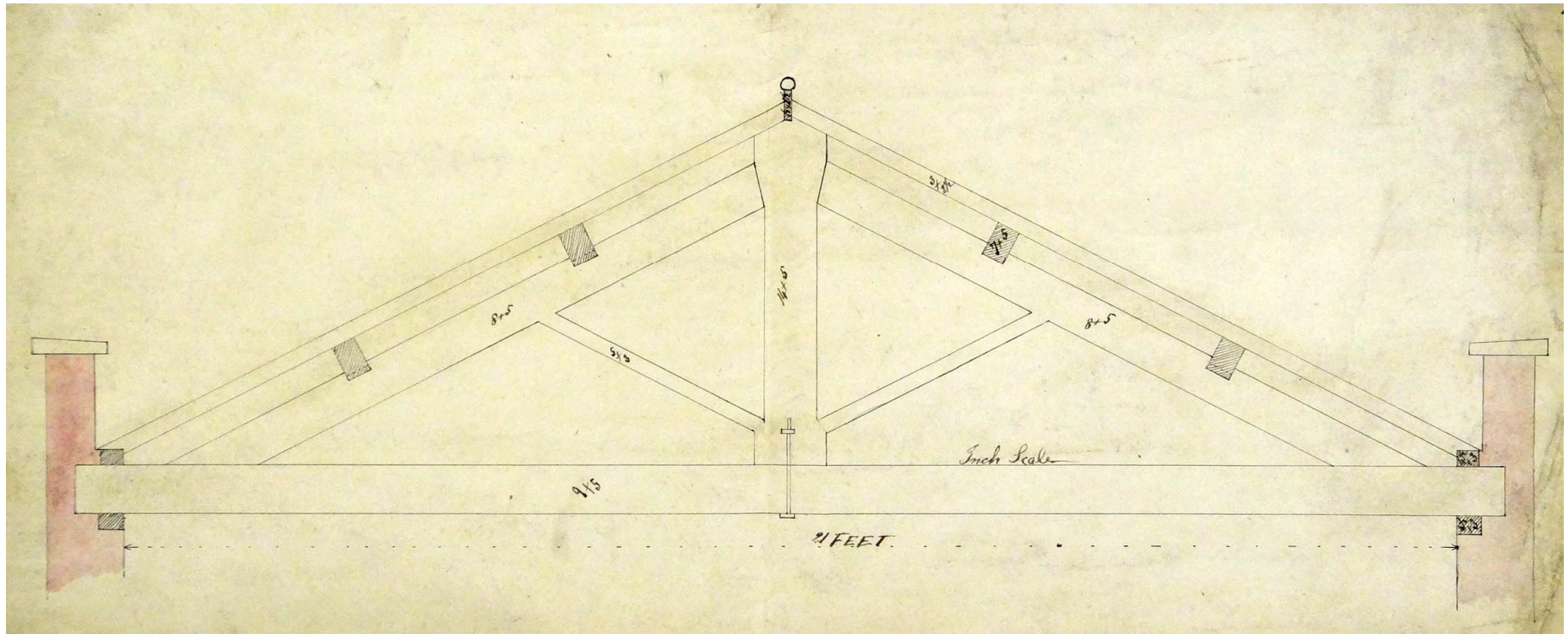


Figure 31: Elevation of roof truss of north weaving shed, nd (QBM 11375)

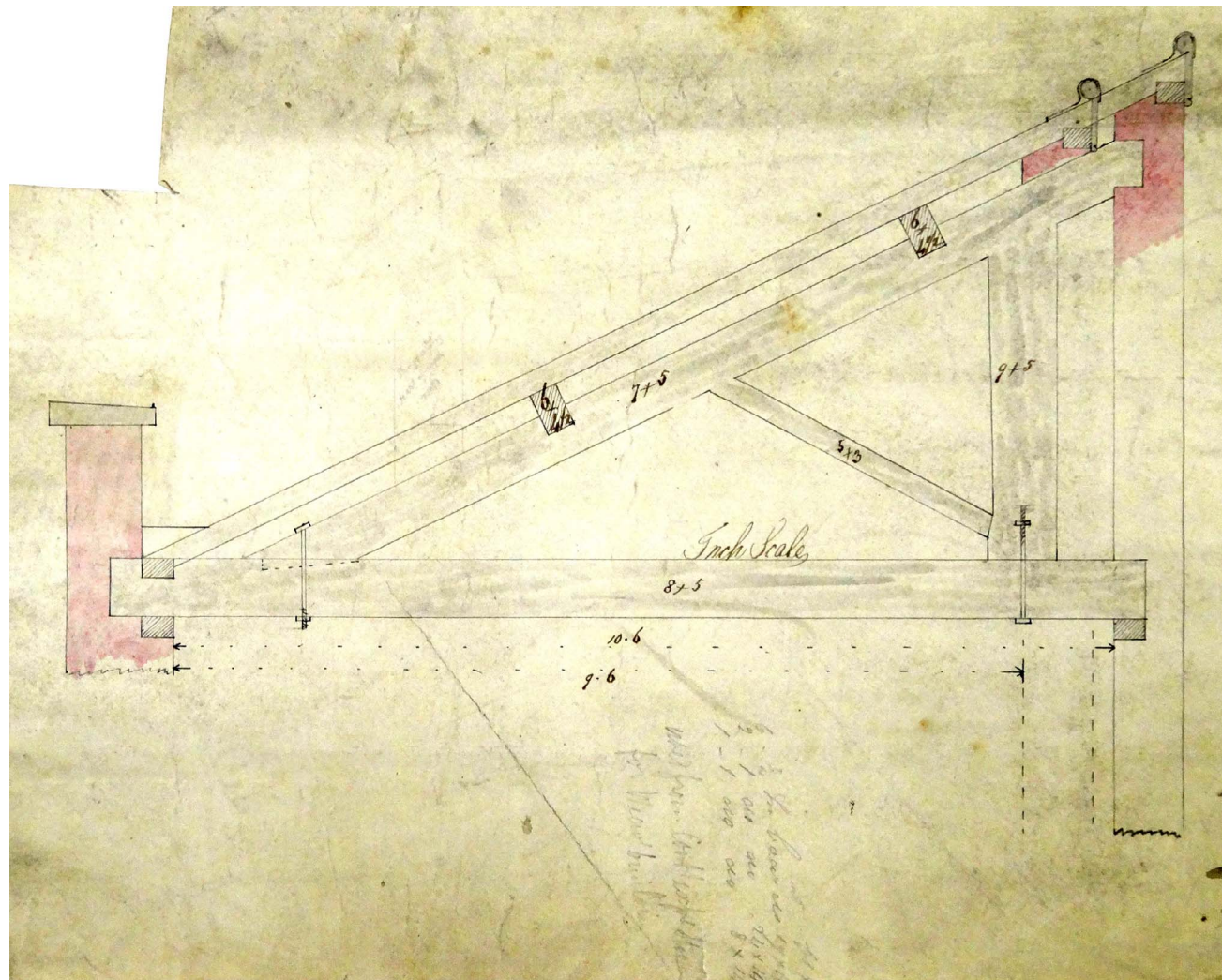


Figure 32: Elevation of roof truss, nd (QBM 11371)

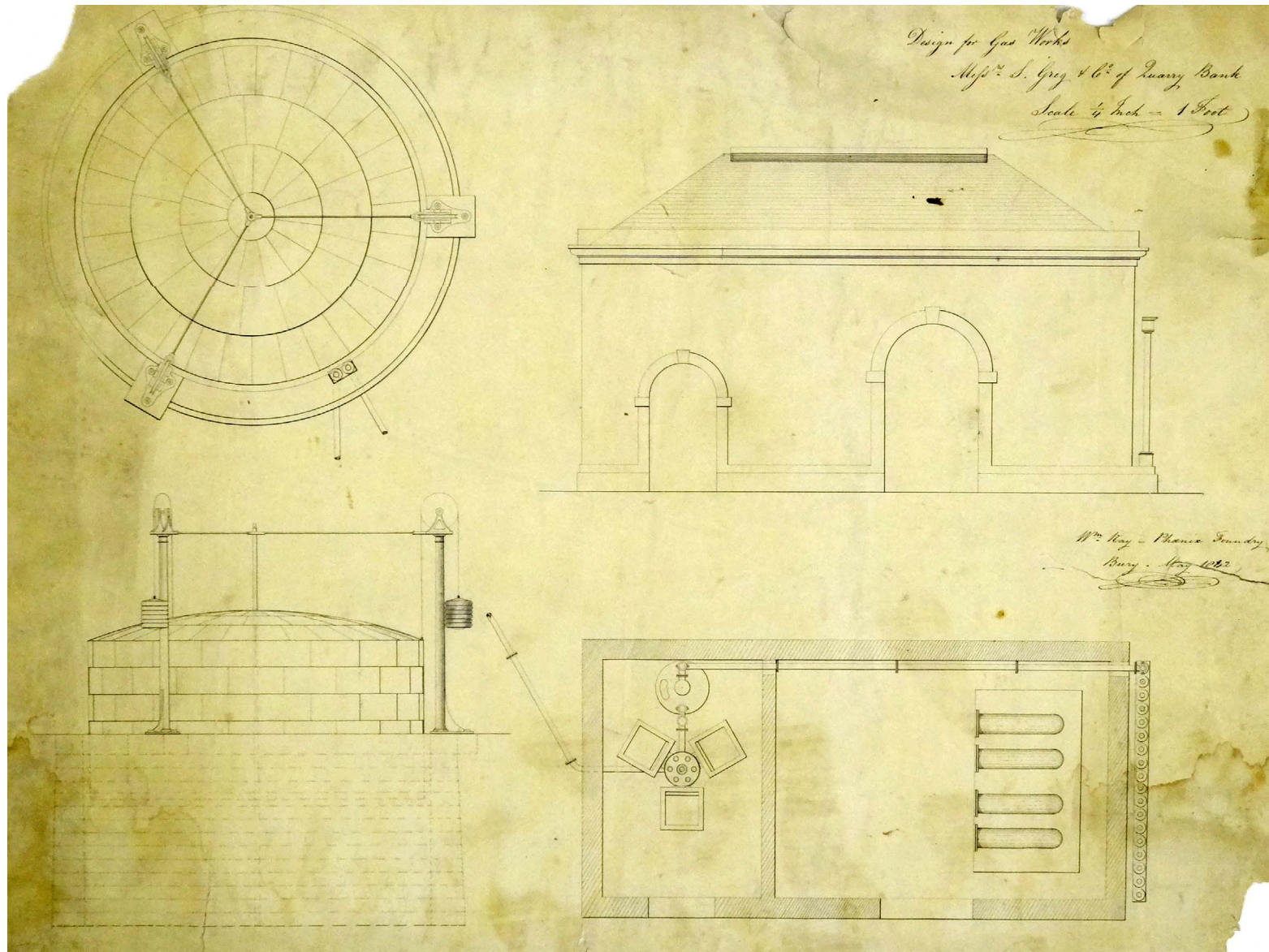


Figure 33: 'Design for Gas Works', Wm Kay, Phoenix Foundry Bury, May 1842 (QBM T10609)

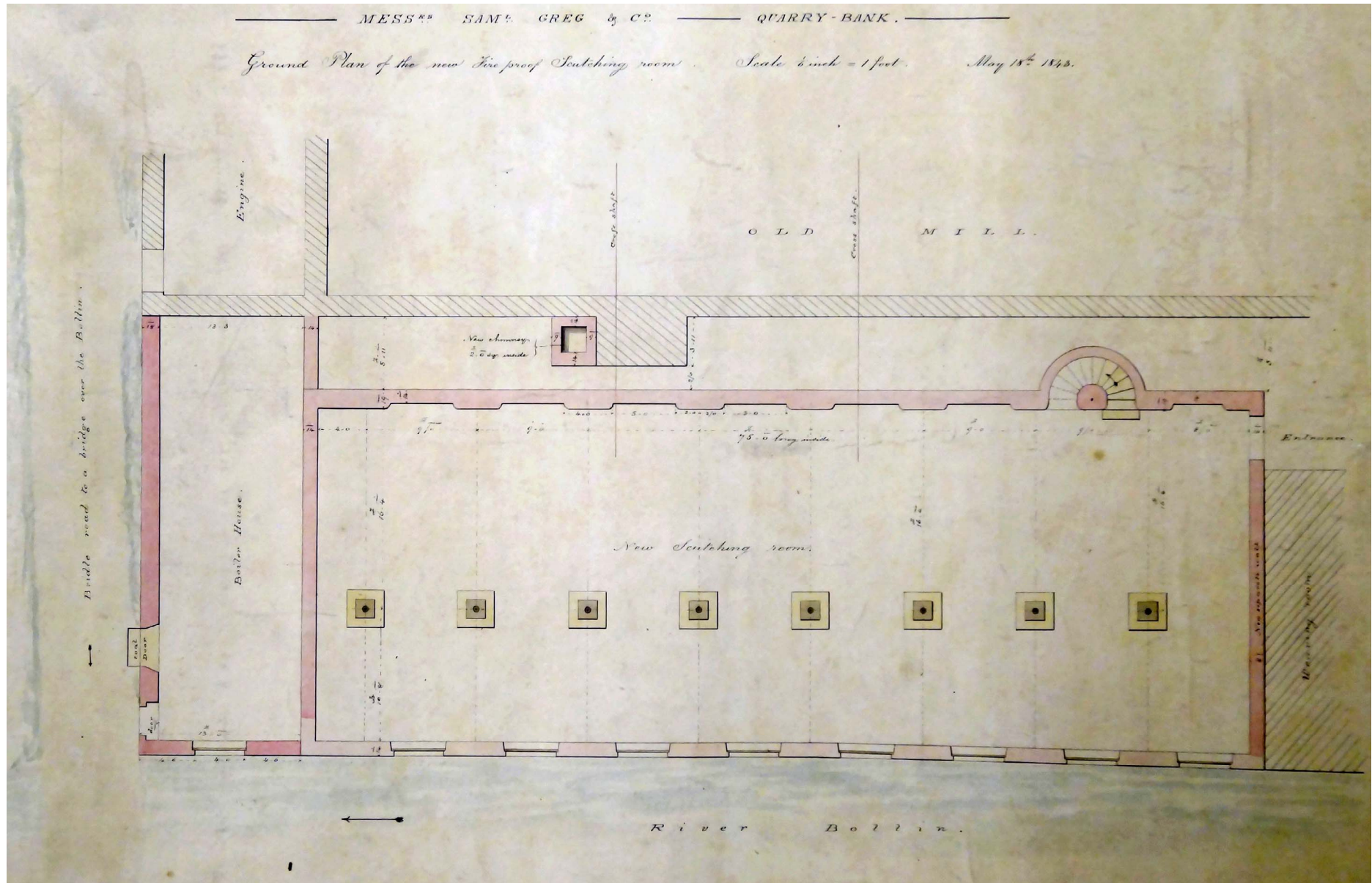


Figure 34: 'Ground Plan of the new Fire-proof Scutching room', 18 May 1843 (QBM 3954)

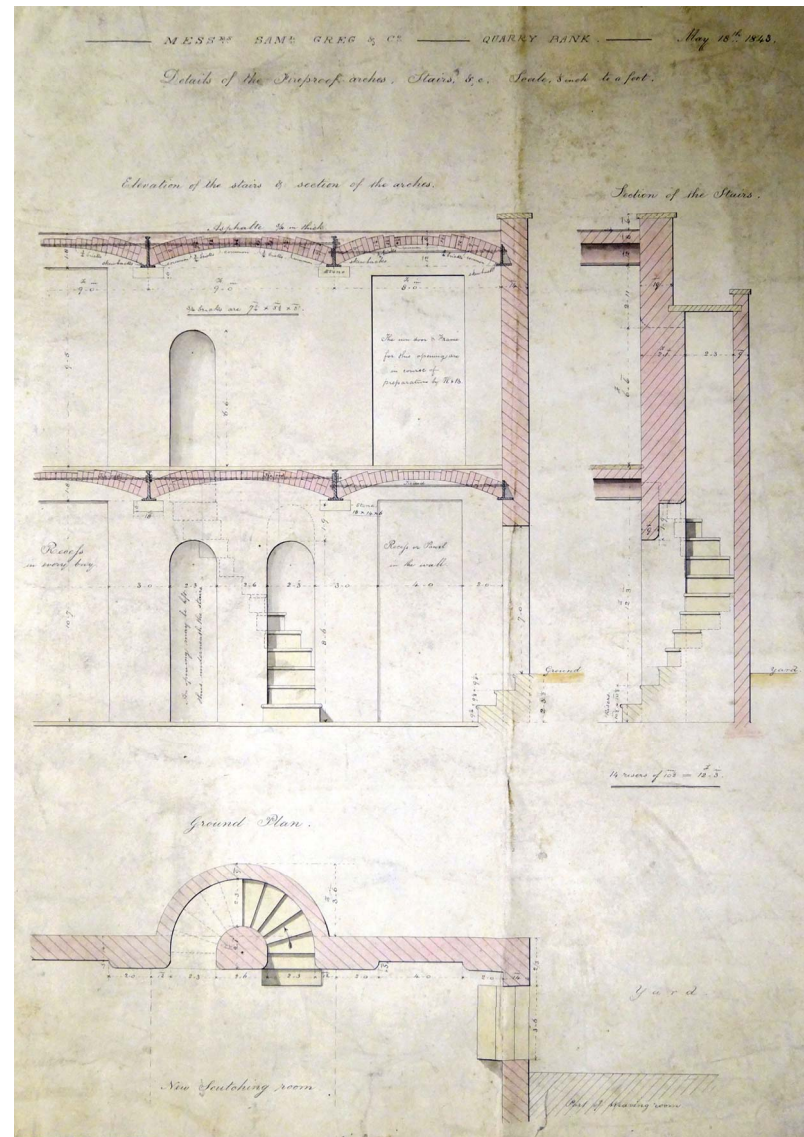


Figure 35: ‘Details of the Fire-proof arches, Stairs andc’, 18 May 1843 (QBM T11230)

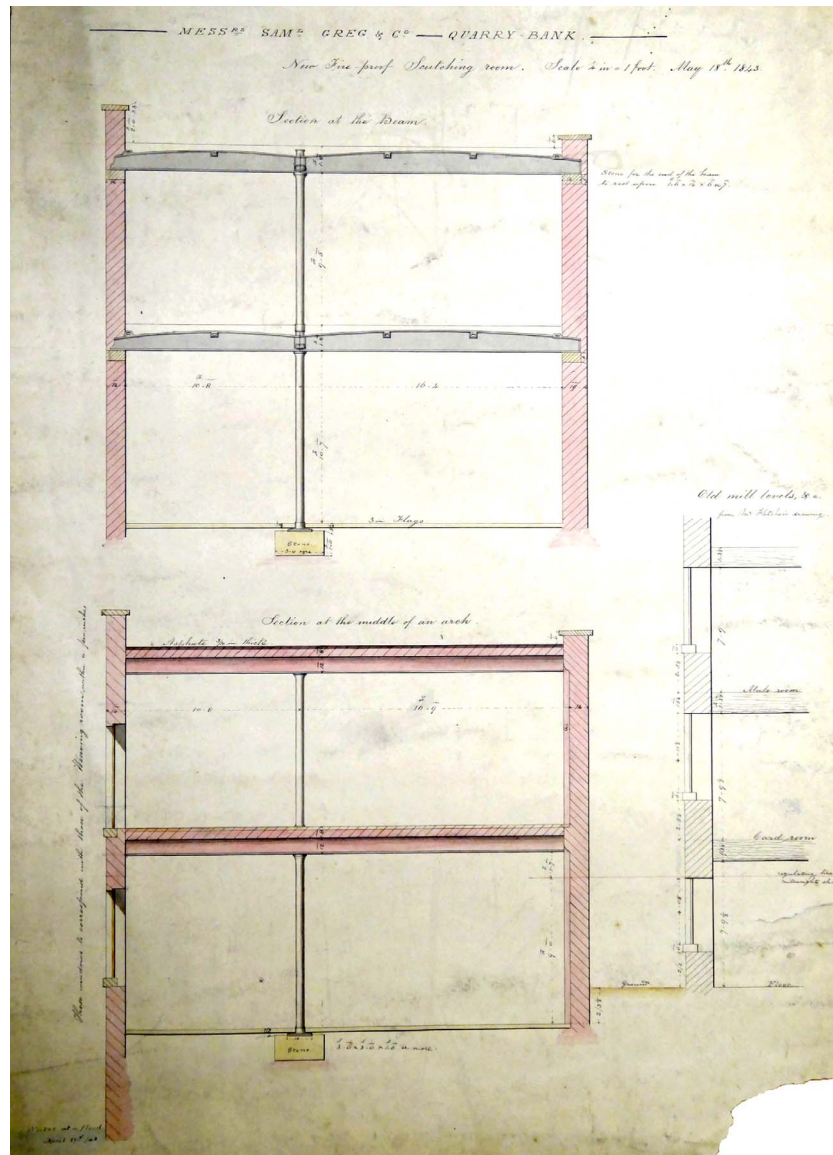


Figure 36: 'New Fire-proof Scutching room', 18 May 1843 (QBM T11231)

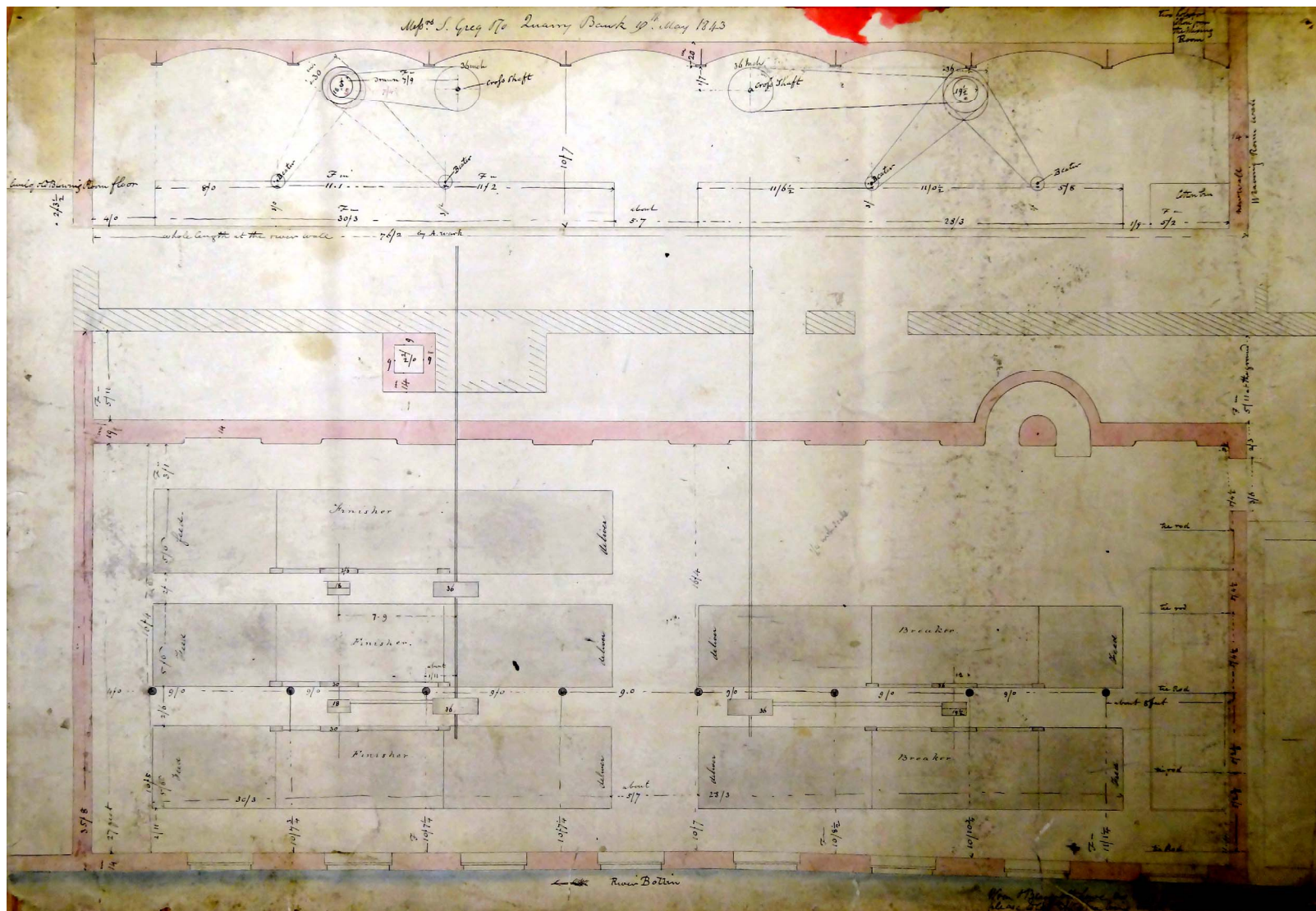


Figure 37: Scutching room plan, 18 May 1843 (QBM 20.6724)

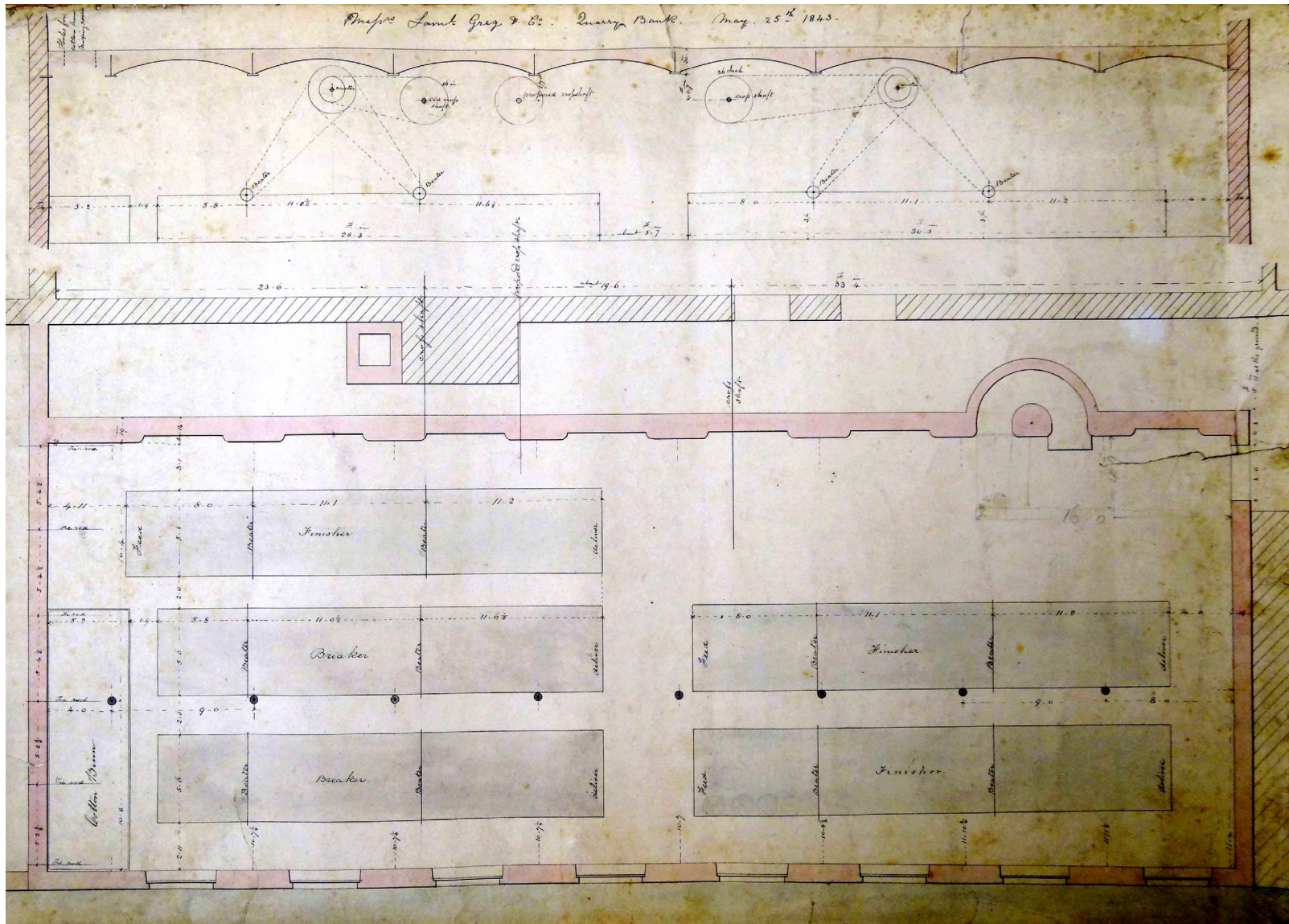


Figure 38: Scutching room plan, 25 May 1843 (QBM 20.6725)

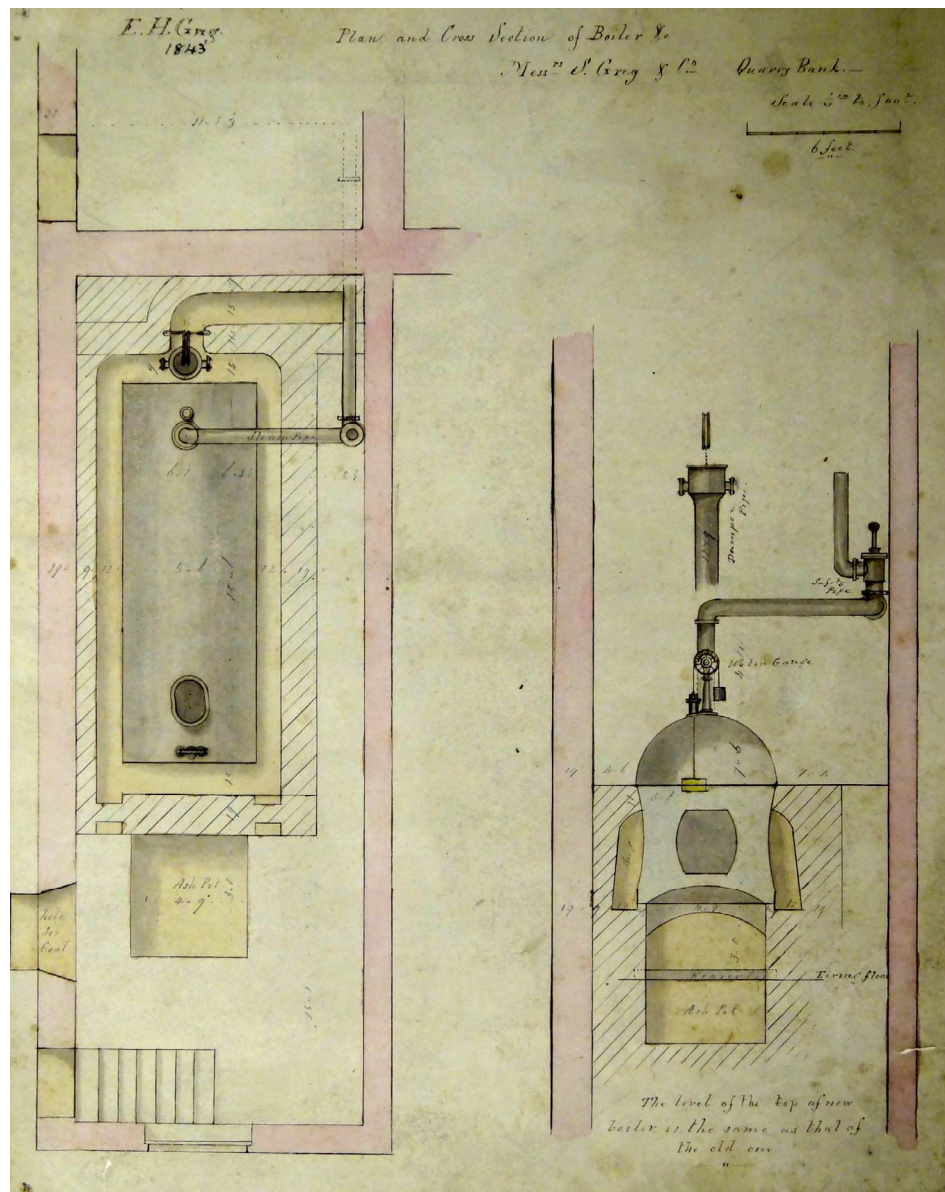


Figure 40: 'Plan and Cross-section of Boiler andc' (QBM T11226)

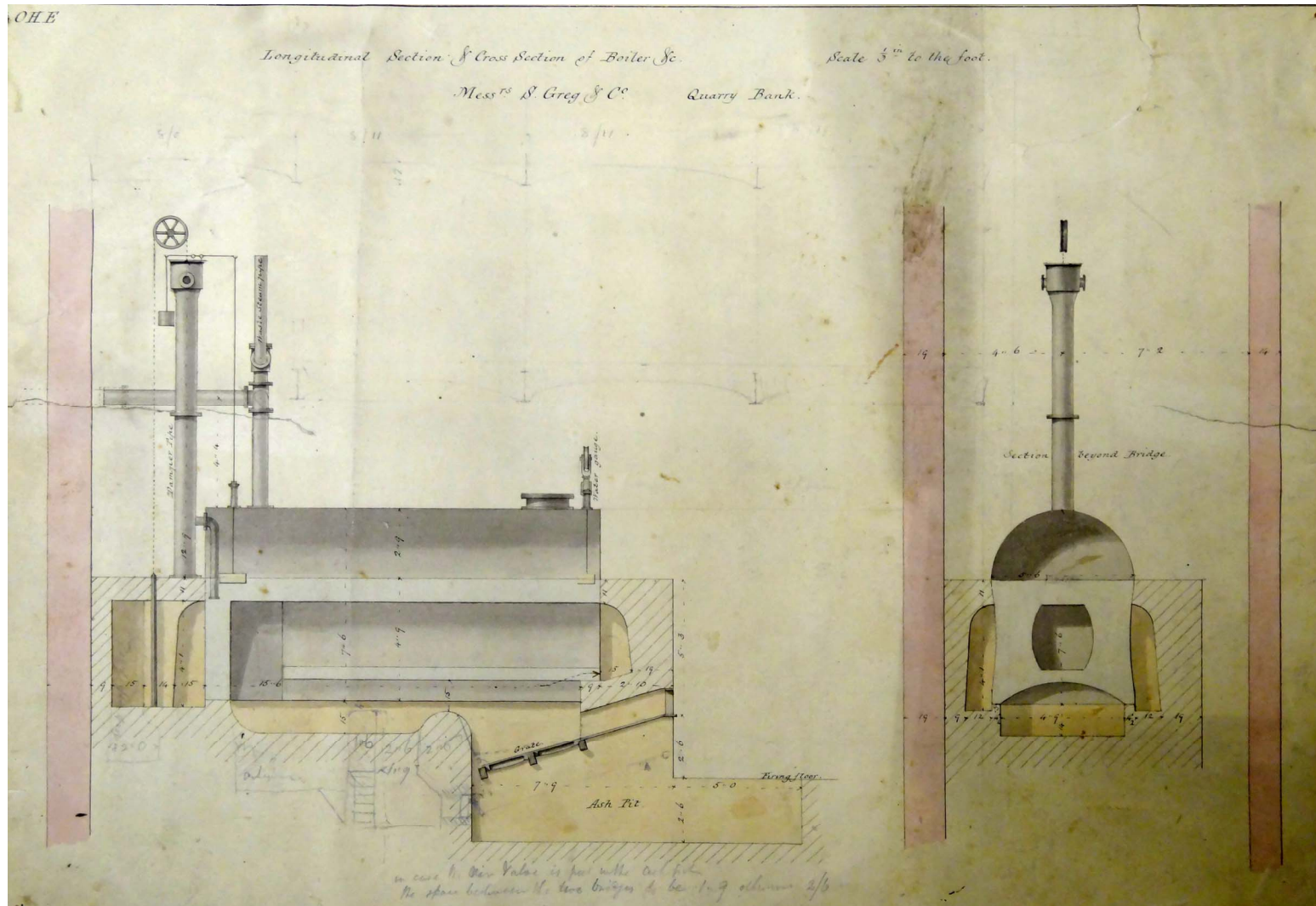


Figure 41: 'Longitudinal Section and Cross-section of Boiler andc' (QBM T11229)

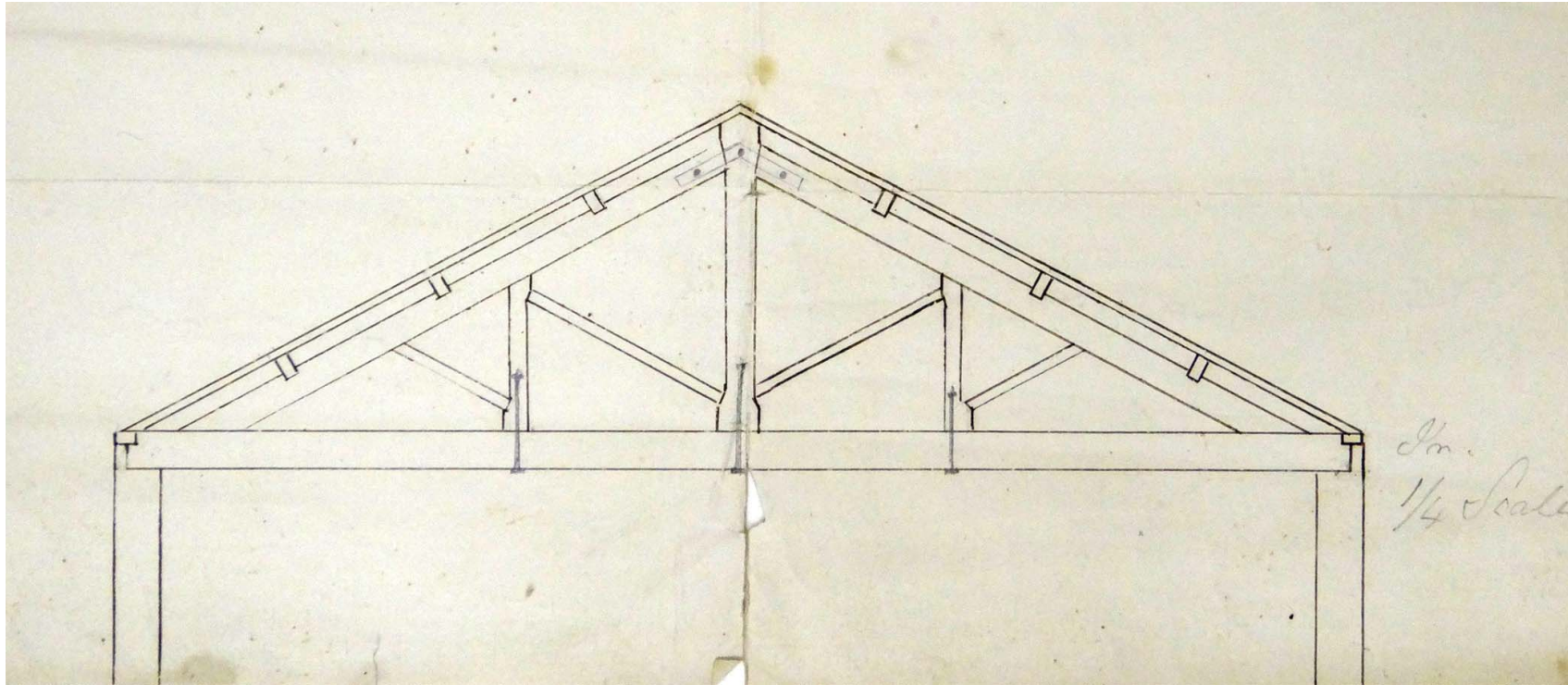


Figure 43: Elevation of cloth warehouse truss, from specifications 29 [] 1846 (QBM 11382)

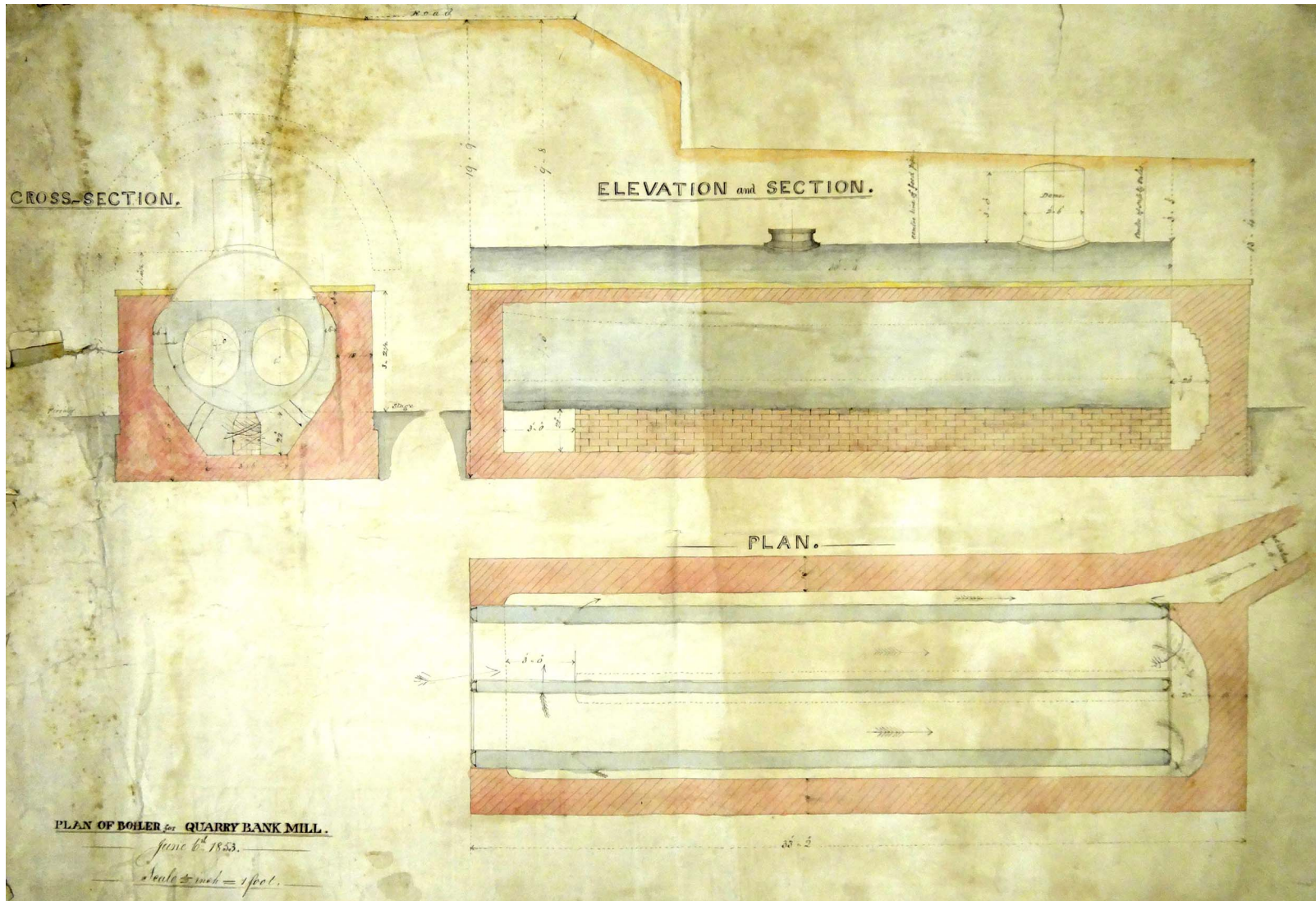


Figure 44: 'Plan of Boiler', 6 June 1853 (QBM T11367)

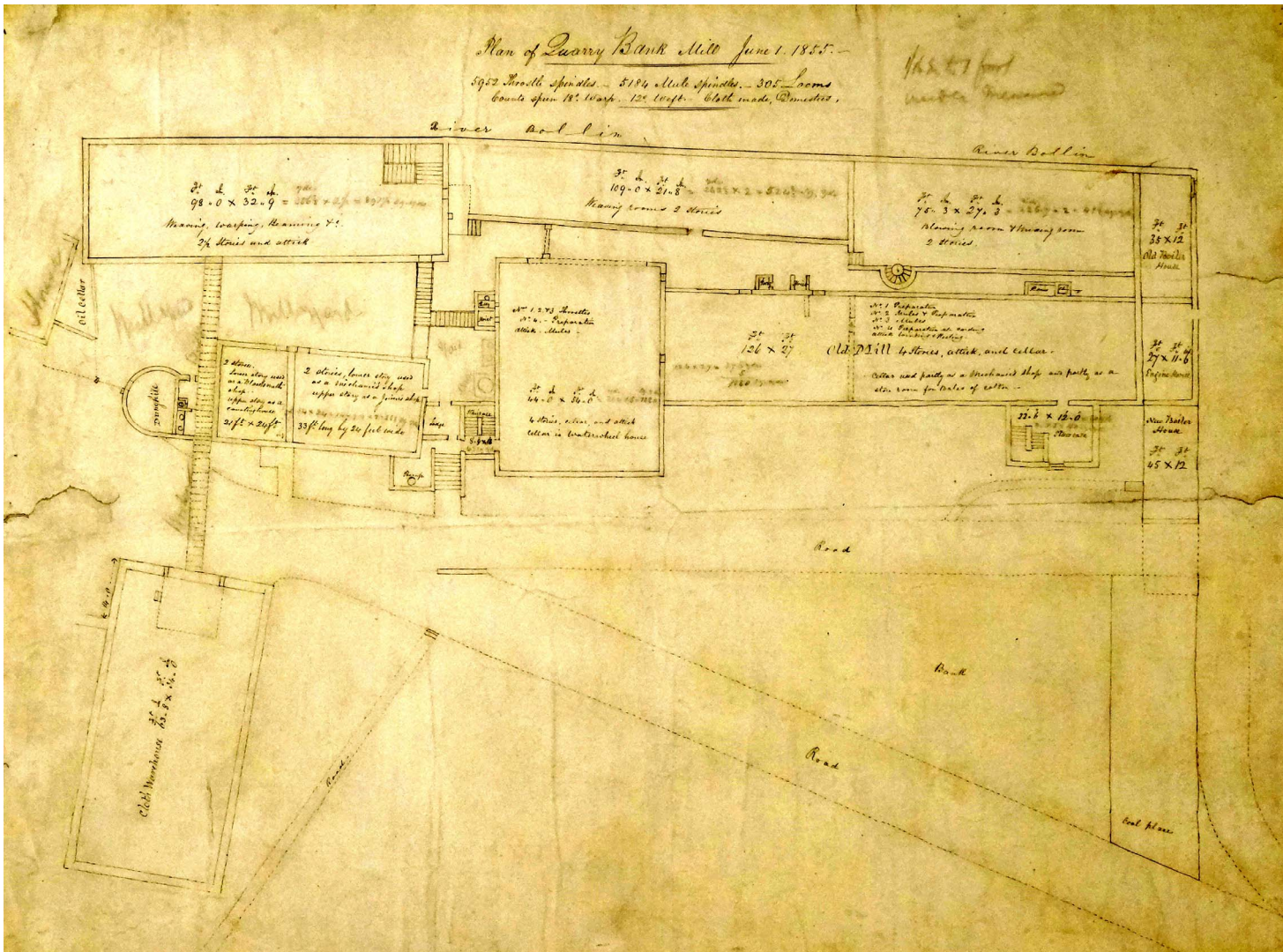


Figure 45: 'Plan of Quarry Bank Mill', 1 June 1855 (QBM)

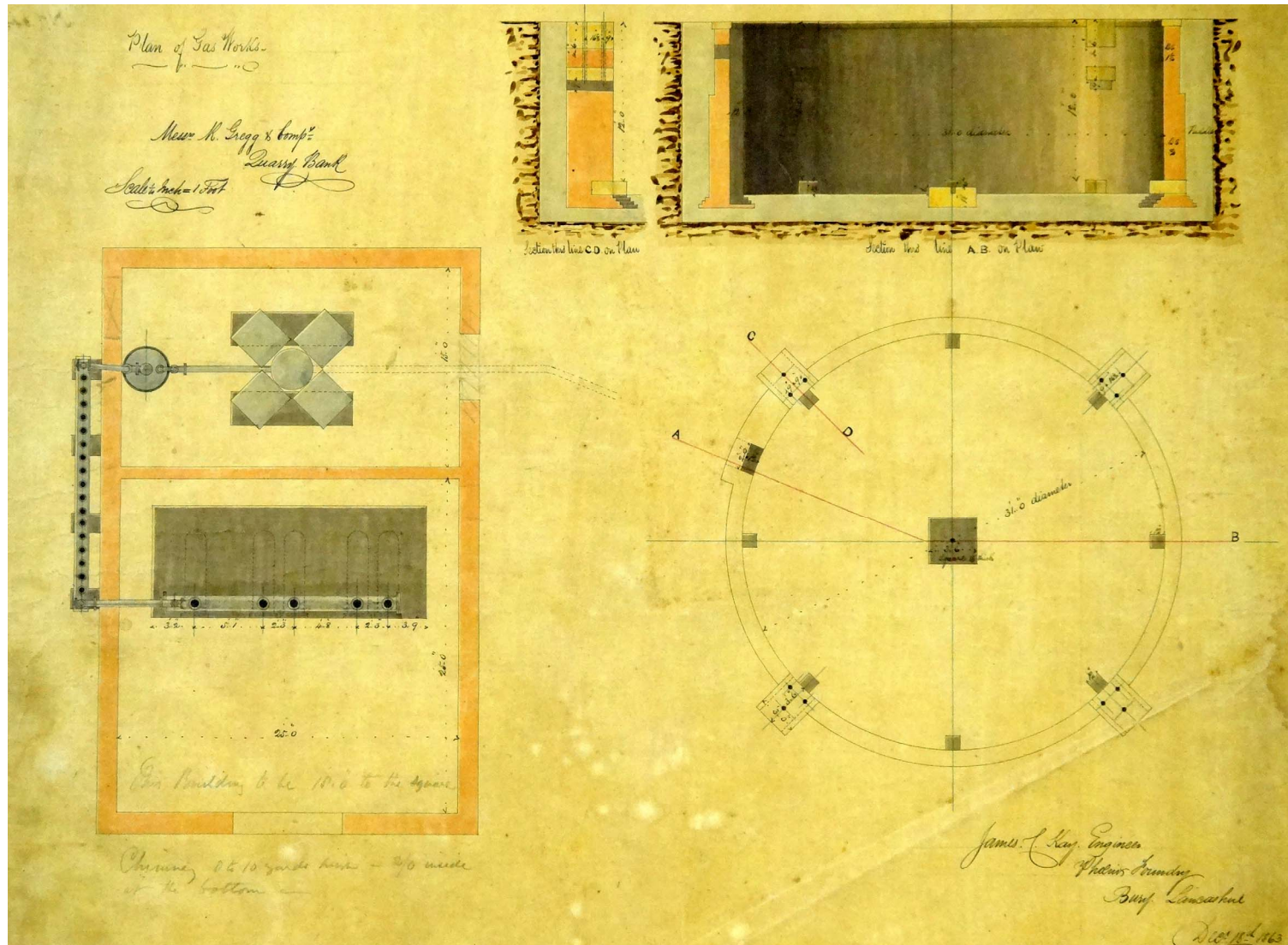


Figure 46: 'Plan of Gas Works', James C Kay Engineer, Phoenix Foundry Bury, 18 December 1863 (QBM T10606)

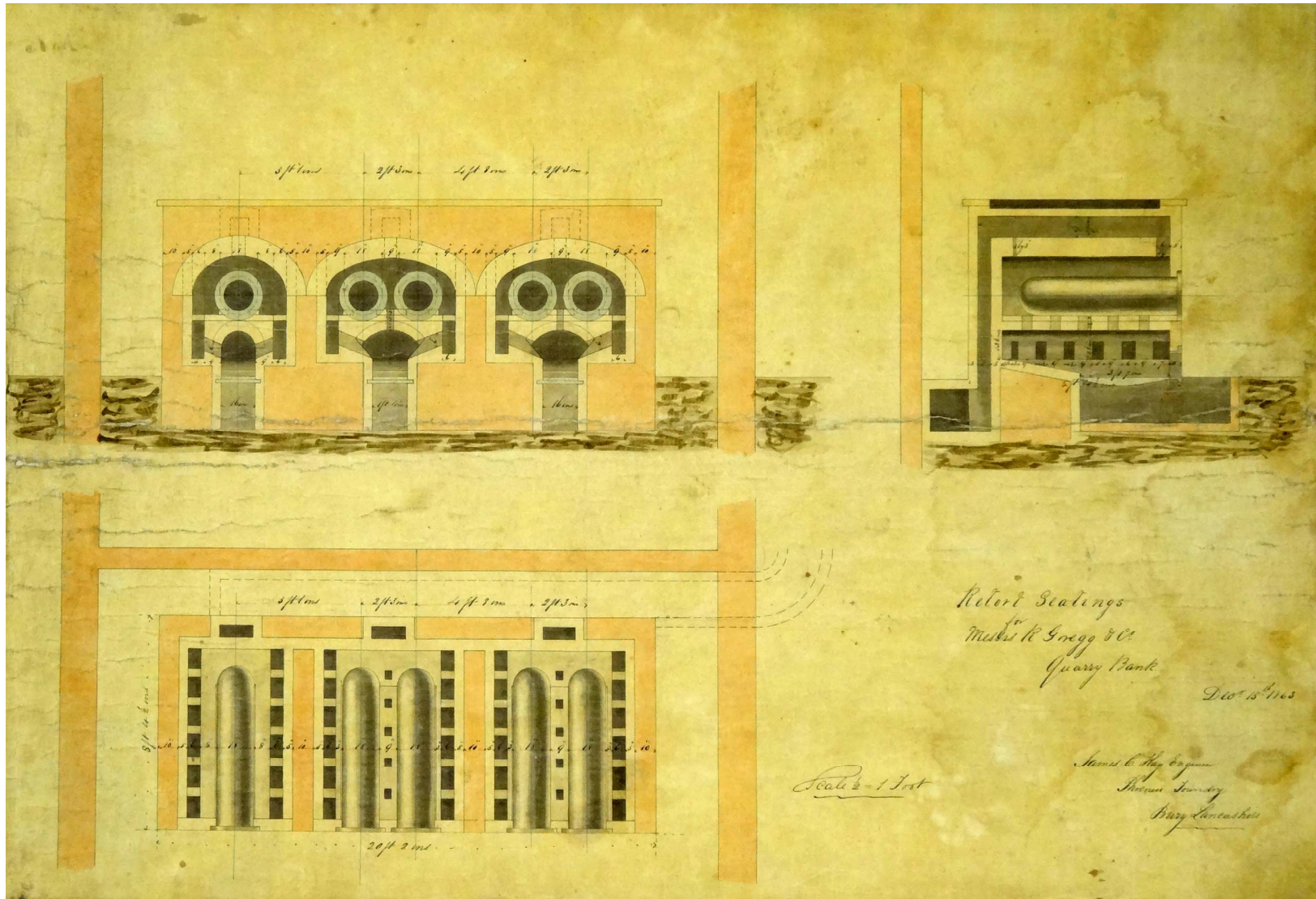


Figure 47: 'Retort Seatings', James C Kay Engineer, Phoenix Foundry Bury, 15 December 1863 (QBM T10607).

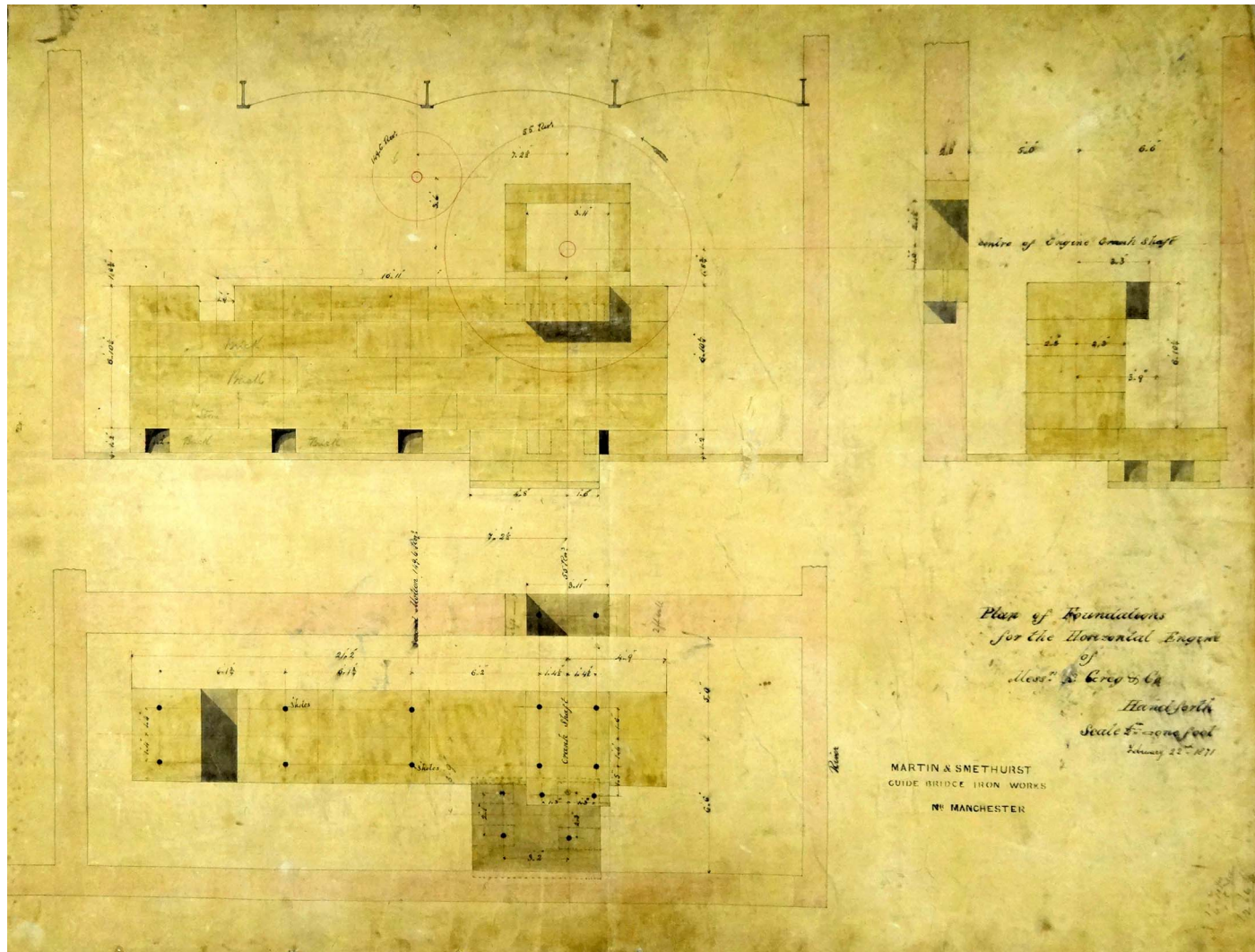


Figure 48: 'Plan of Foundations for the Horizontal Engine', Martin and Smethurst, Guide Bridge Iron Works, 22 February 1871 (QBM T10624)

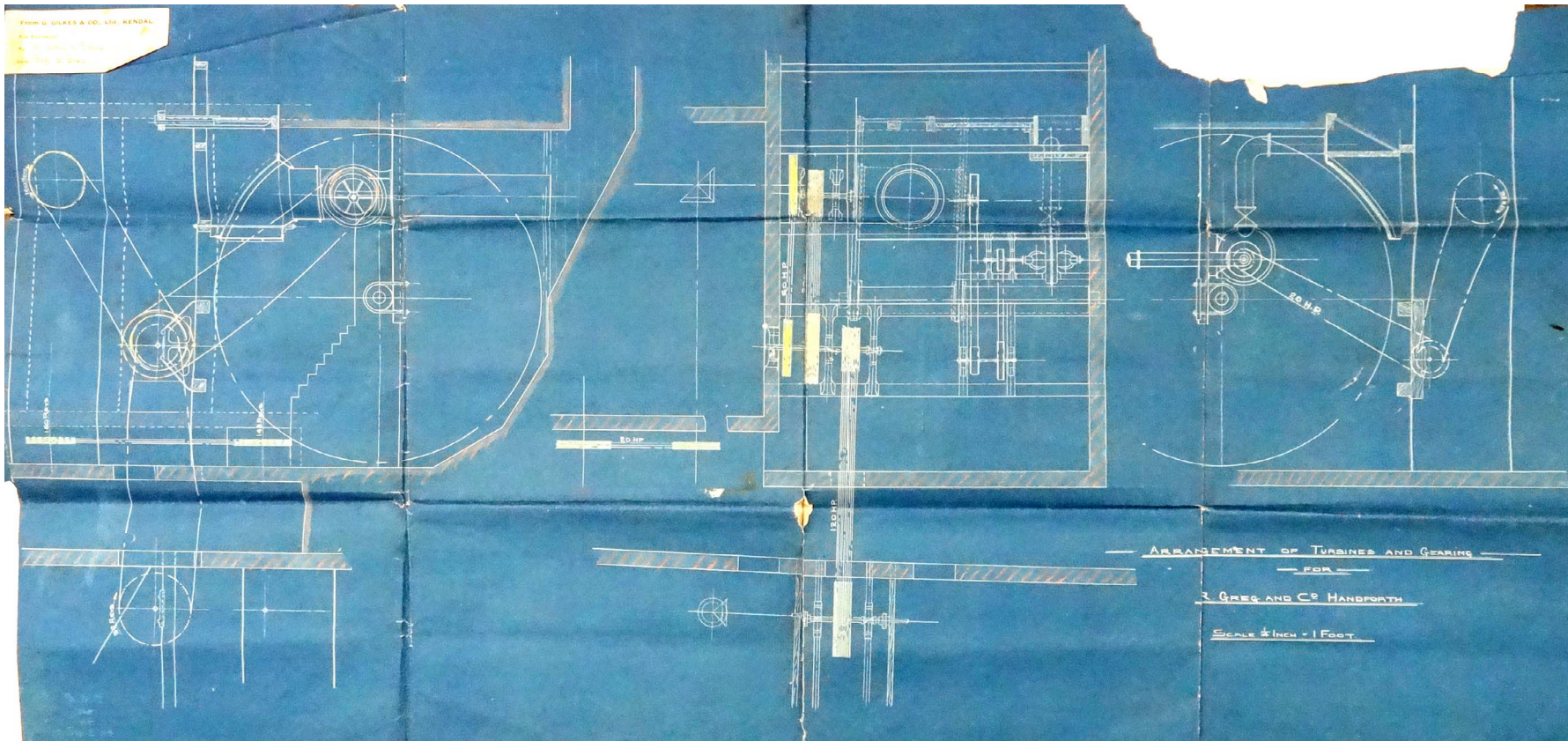


Figure 49: 'Arrangement of Turbine and Gearing', G Gilkes and Co Ltd, Kendal, 3 September 1904 (QBM T10640)

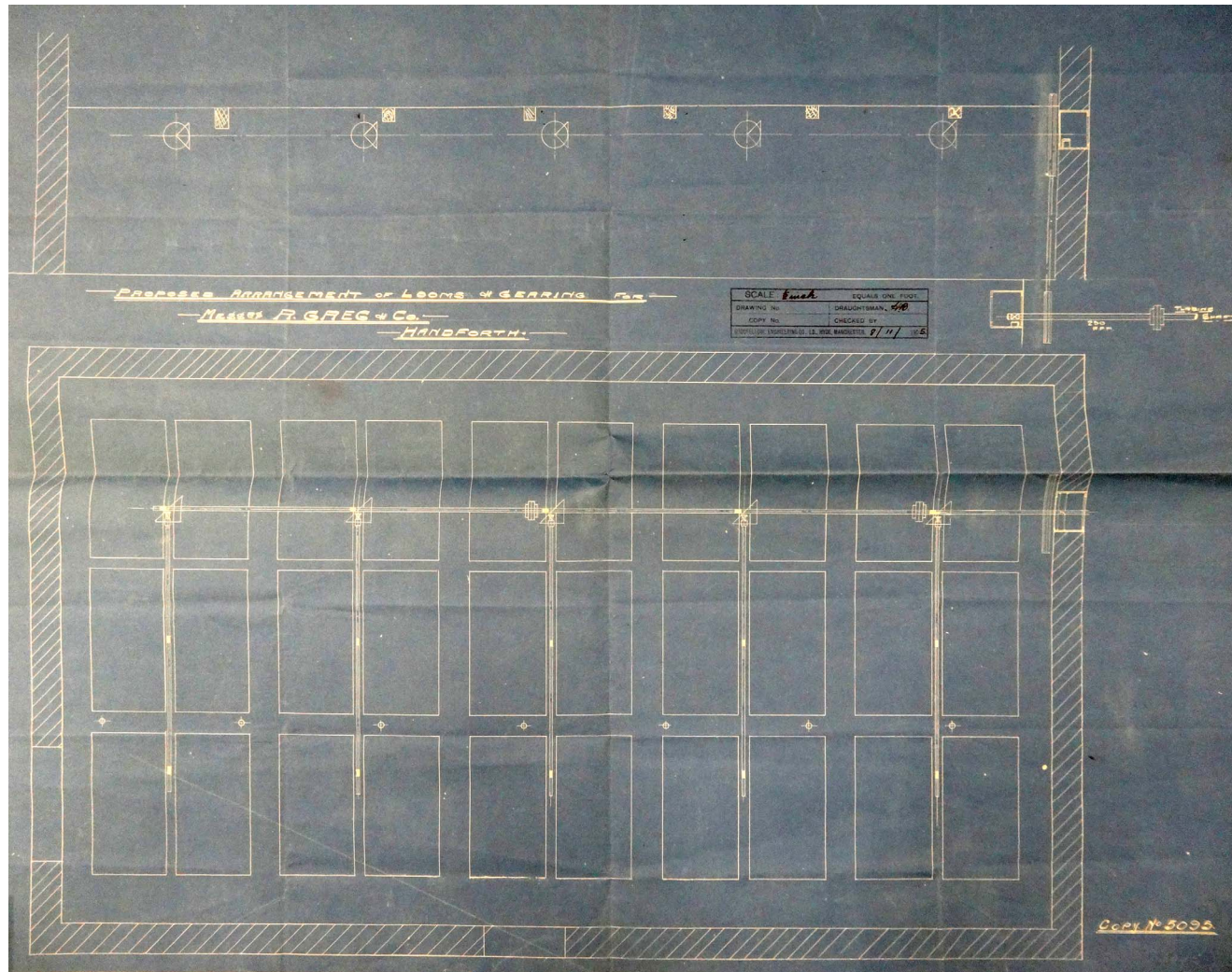


Figure 50: 'Proposed Arrangement of Looms and Gearing', H B Goodfellow Engineering Co Ltd, Hyde, 8 November 1905 (QBM T10645)
 (each rectangle reflects a pair of looms)

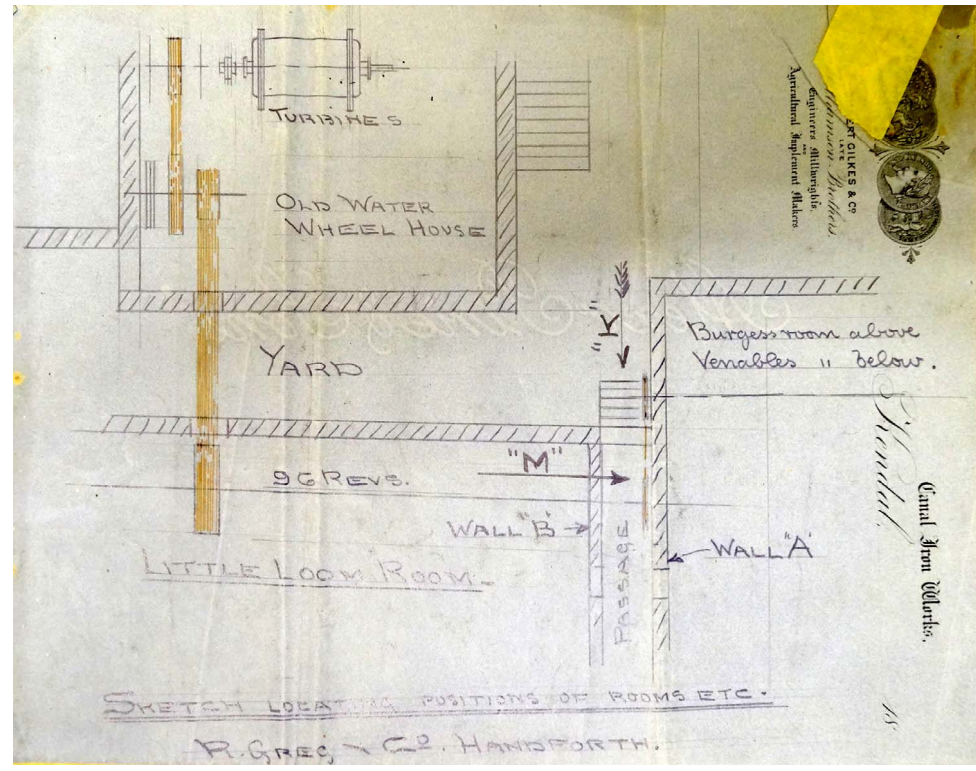
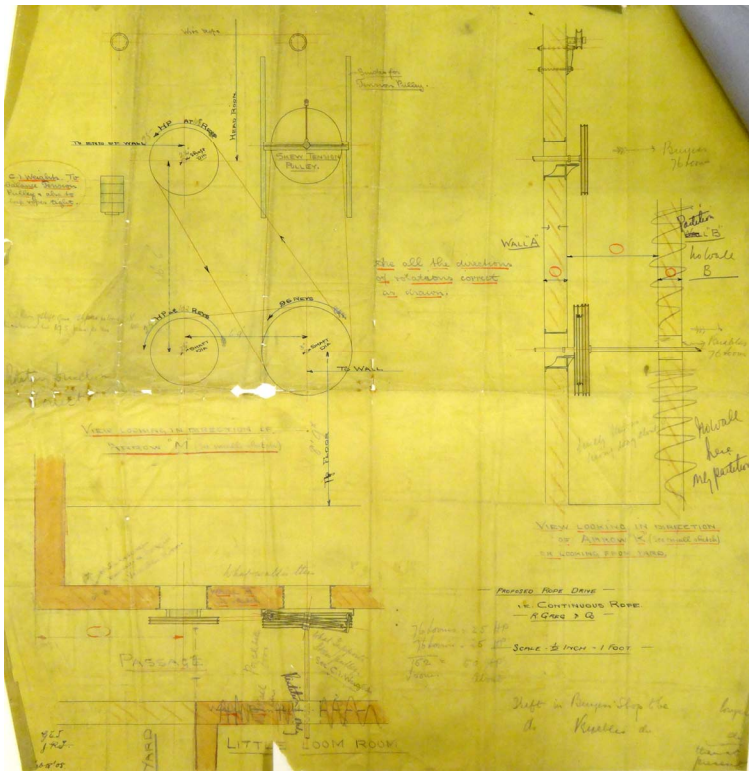


Figure 51a and b: Proposed rope to large weaving shed, 18 February 1905 (QBM T10631).



Figure 52: 'Revised Arrangement of Drive', 3 July 1918 (QBM T11248).

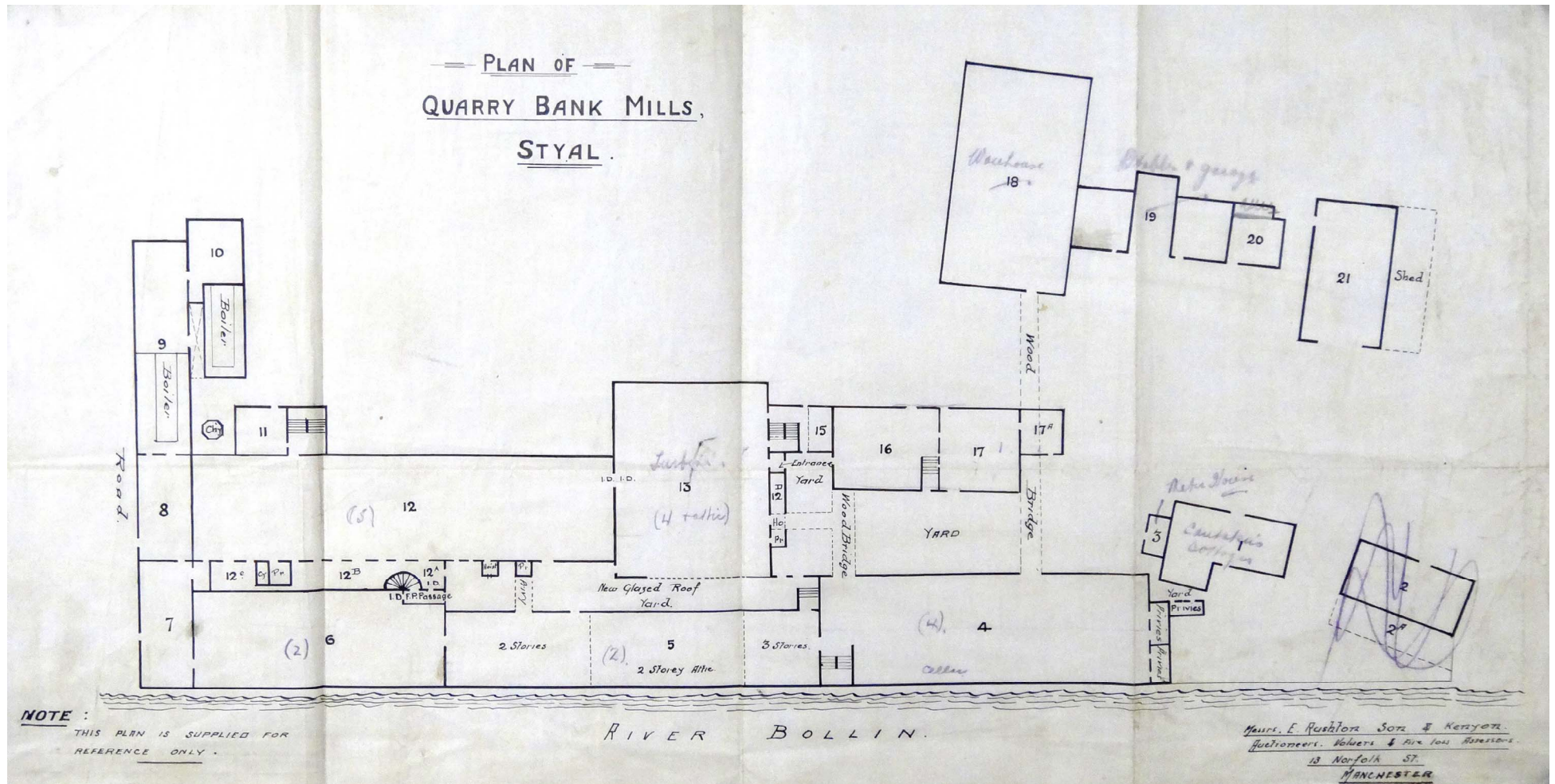


Figure 53: Ground plan of Quarry Bank Mill from 1910 valuation (QBM)

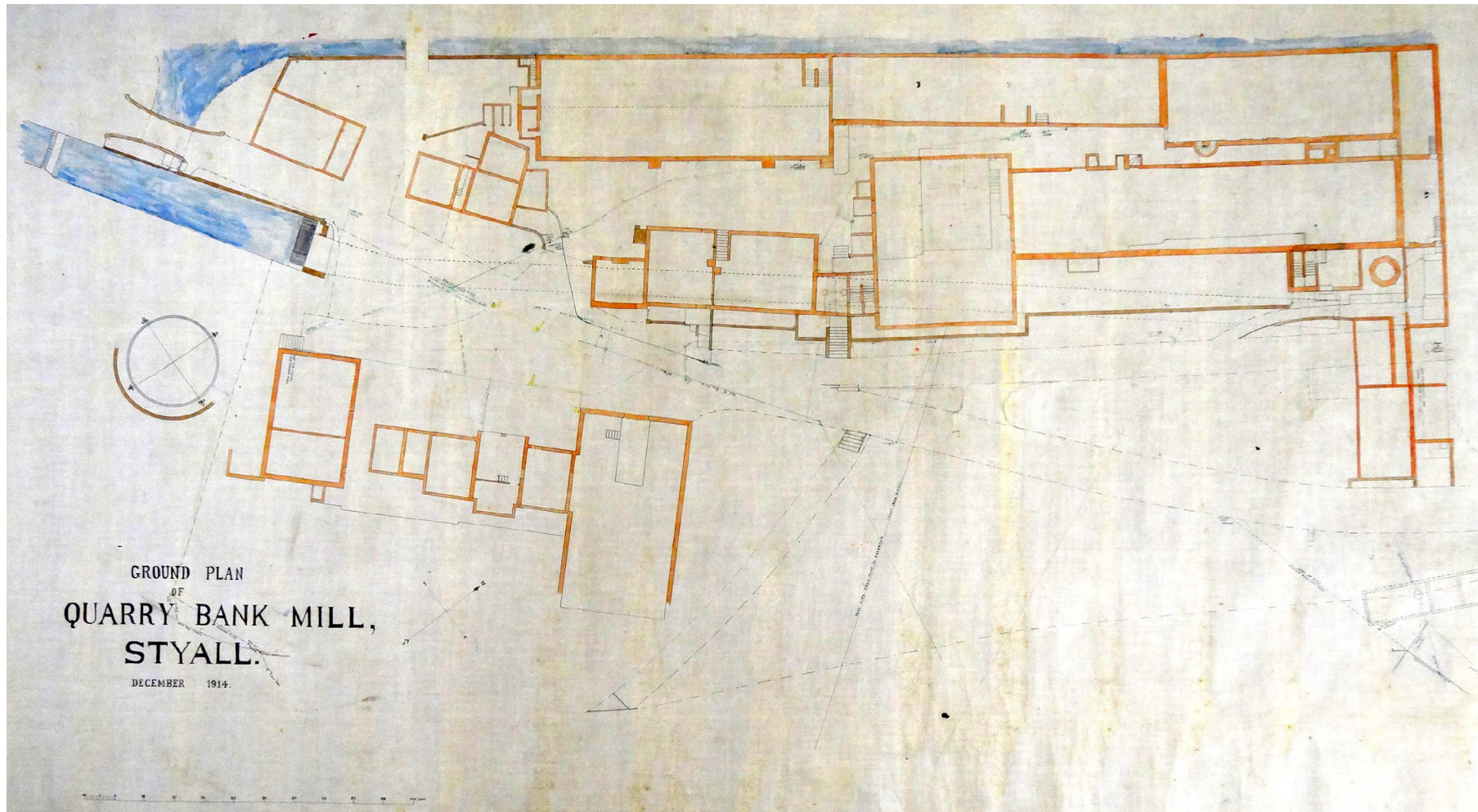


Figure 54: 'Ground Plan of Quarry Bank Mill, Styall', December 1914 (QBM)

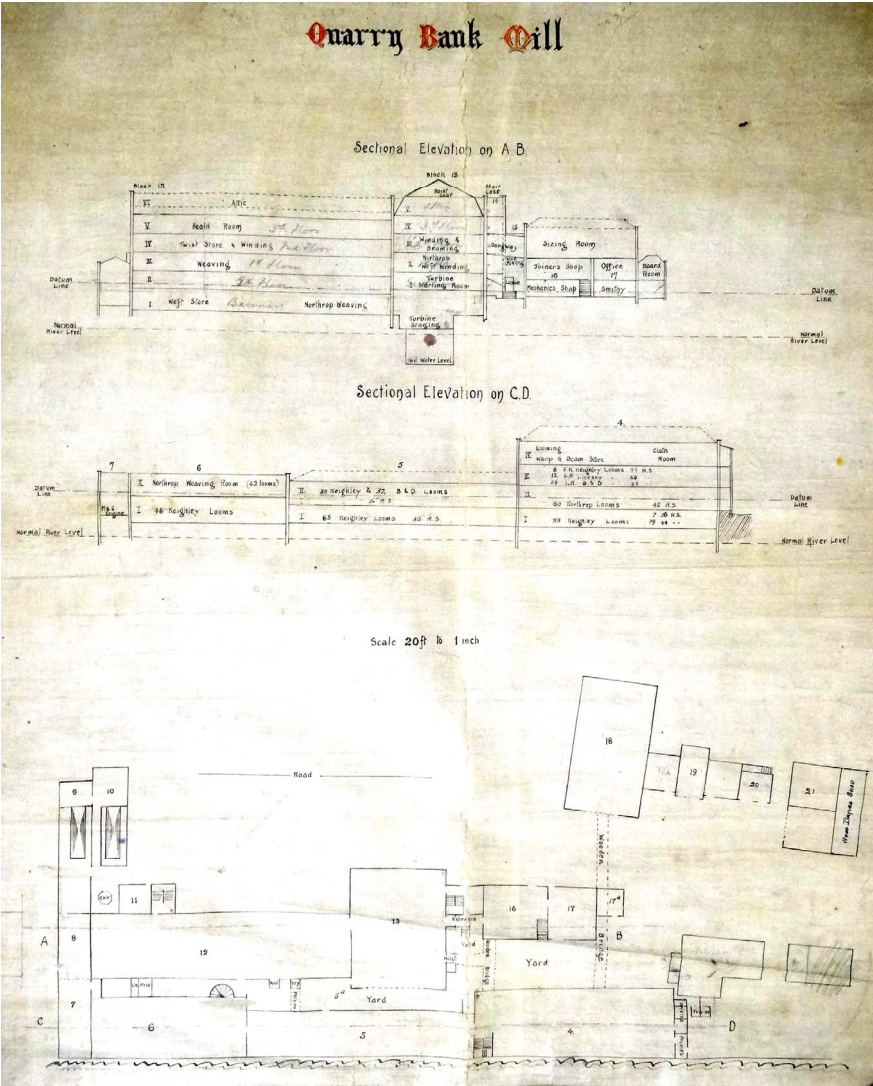


Figure 55: Quarry Bank Mill, plans and cross-sections, c 1922 (QBM 68)

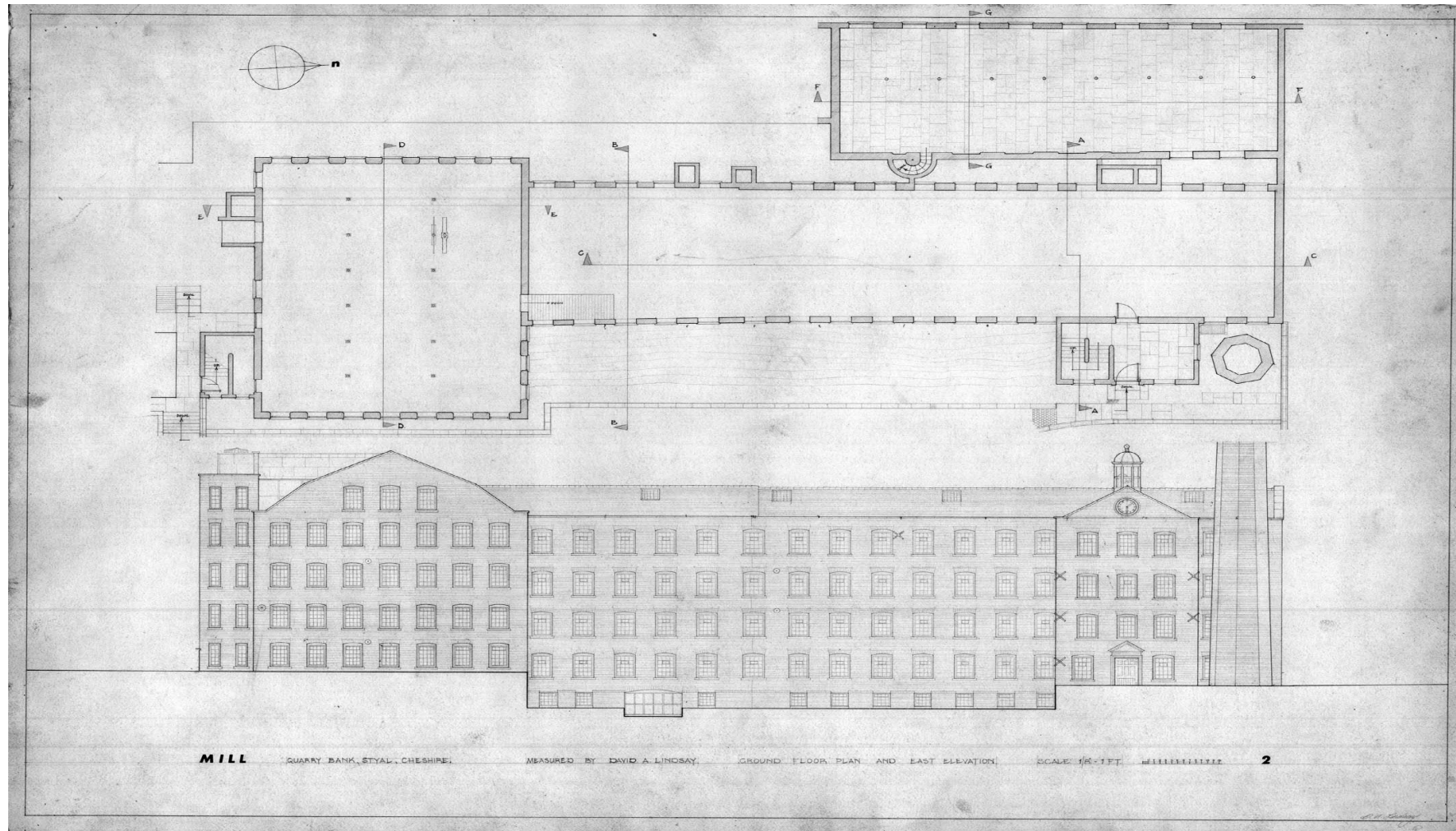


Figure 56: Ground plan and east elevation, David Lindsay, 1963 (QBM)

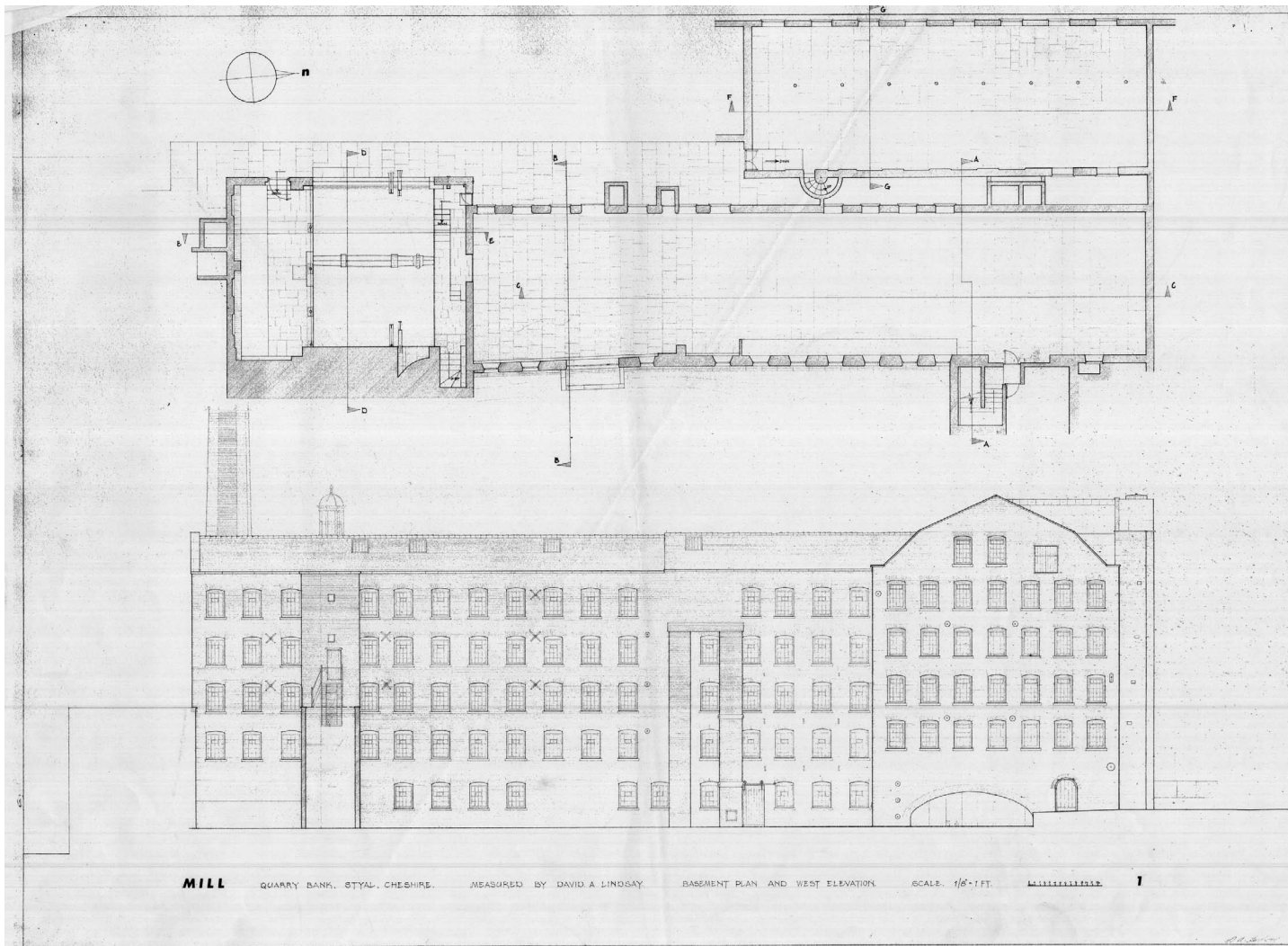


Figure 57: Ground plan and west elevation, David Lindsay, 1963 (QBM)

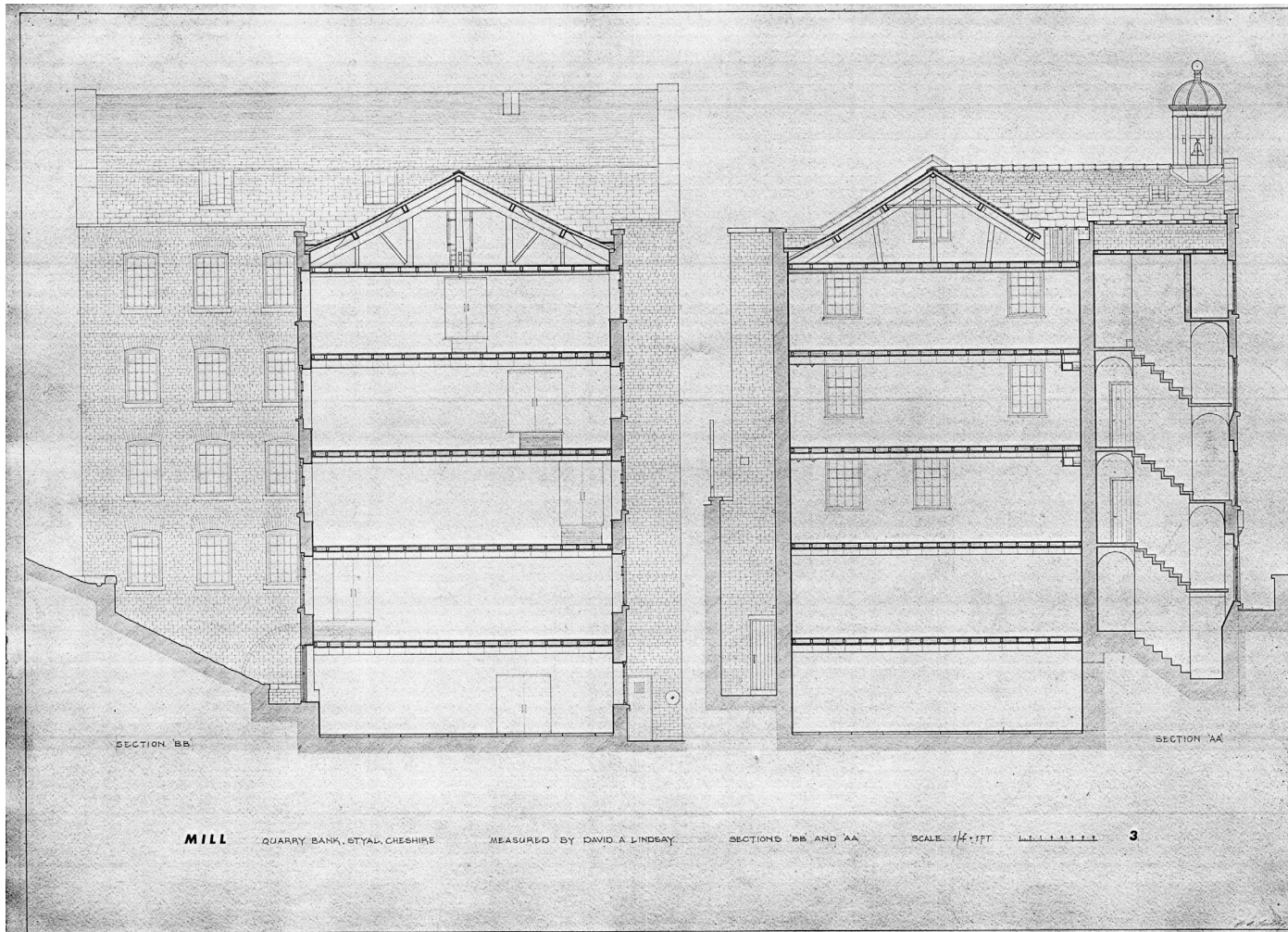


Figure 58: Cross-sections through the Old Mill, David Lindsay, 1963 (QBM)

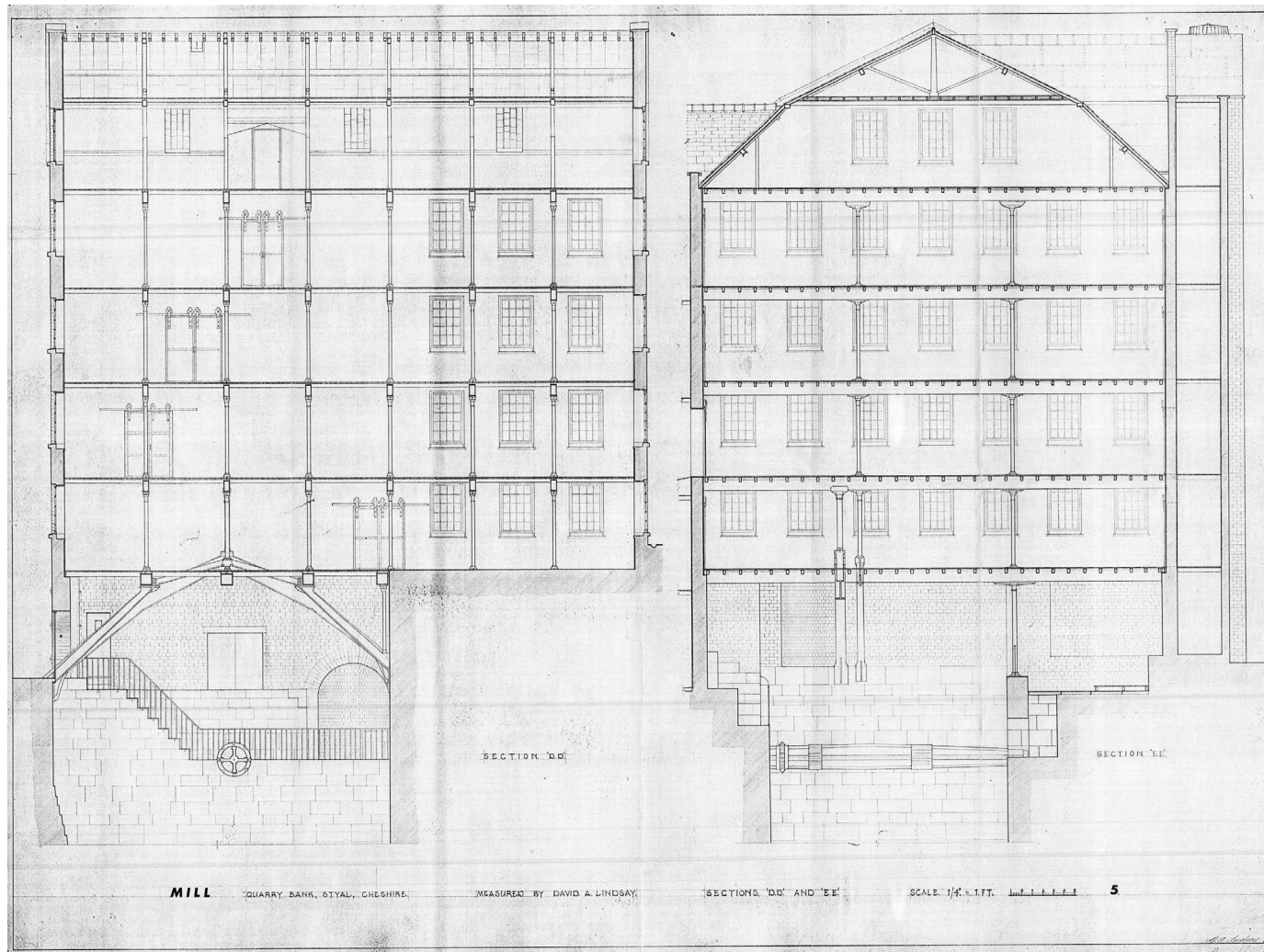


Figure 59: Cross-sections through the New Mill, David Lindsay, 1963 (QBM)

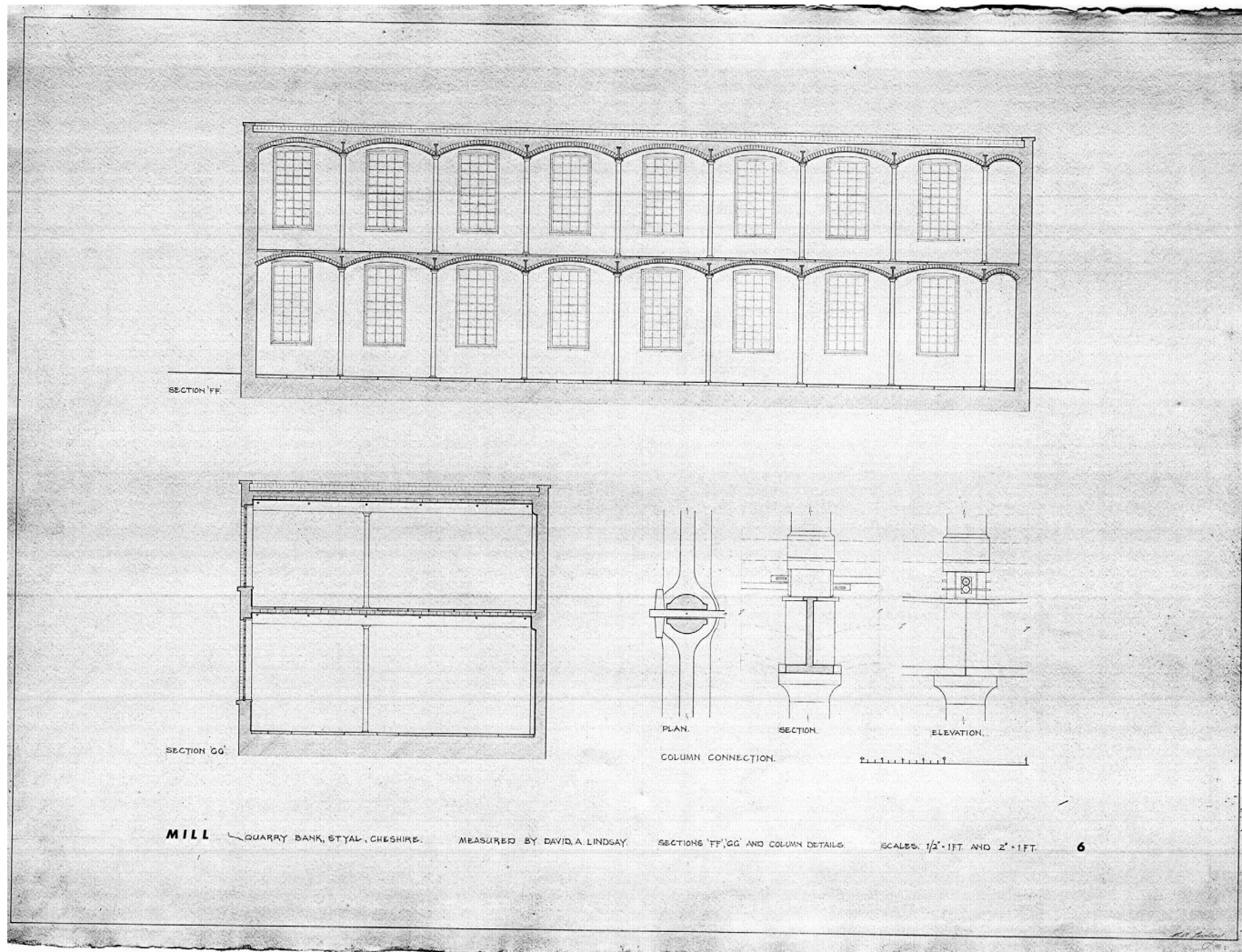


Figure 60: Cross-sections through the fireproof building and details of the iron frame, David Lindsay, 1963 (QBM)

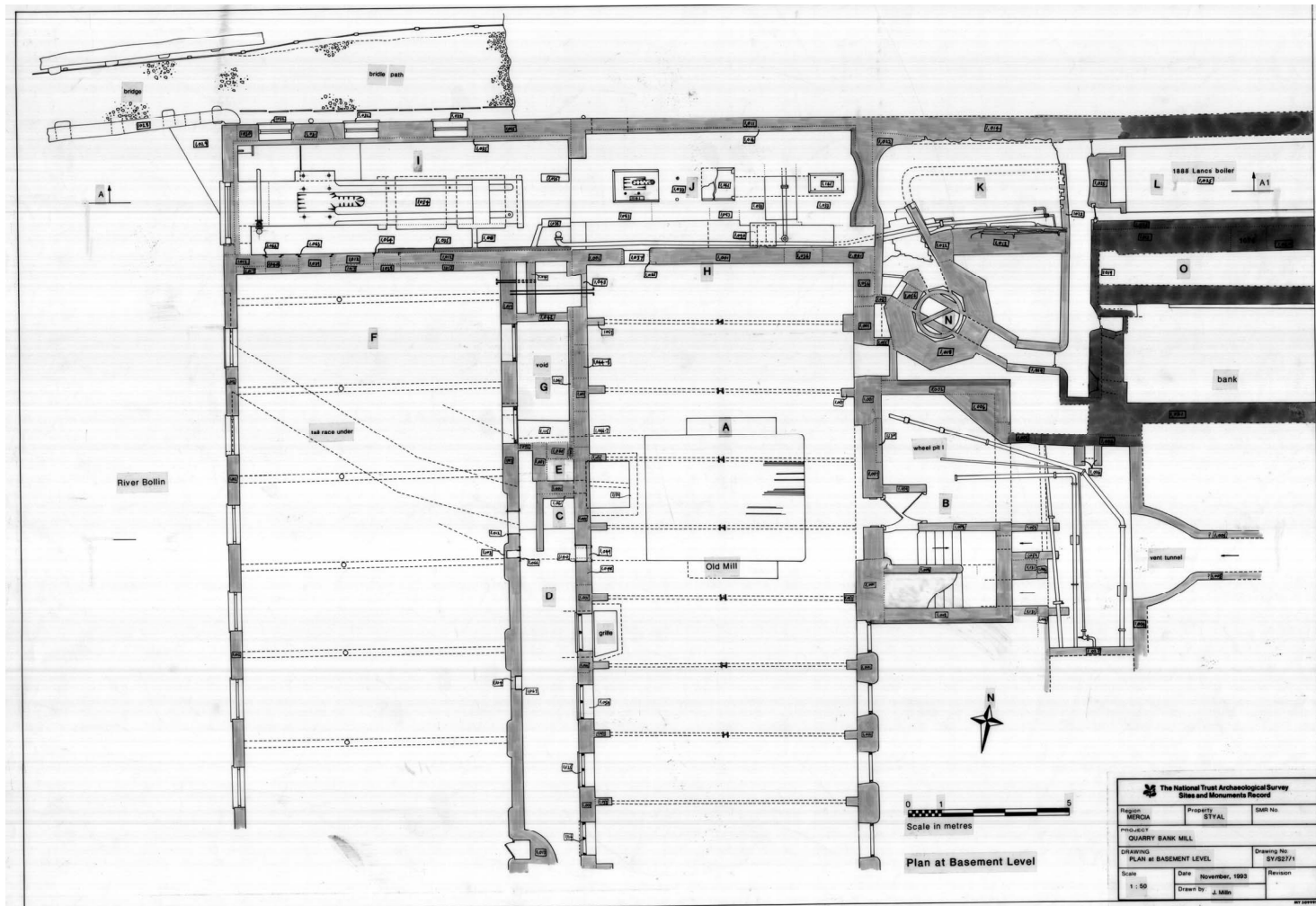


Figure 61: Plan at basement level, Jeremy Milln, 1993 (QBM SY/S27/1)

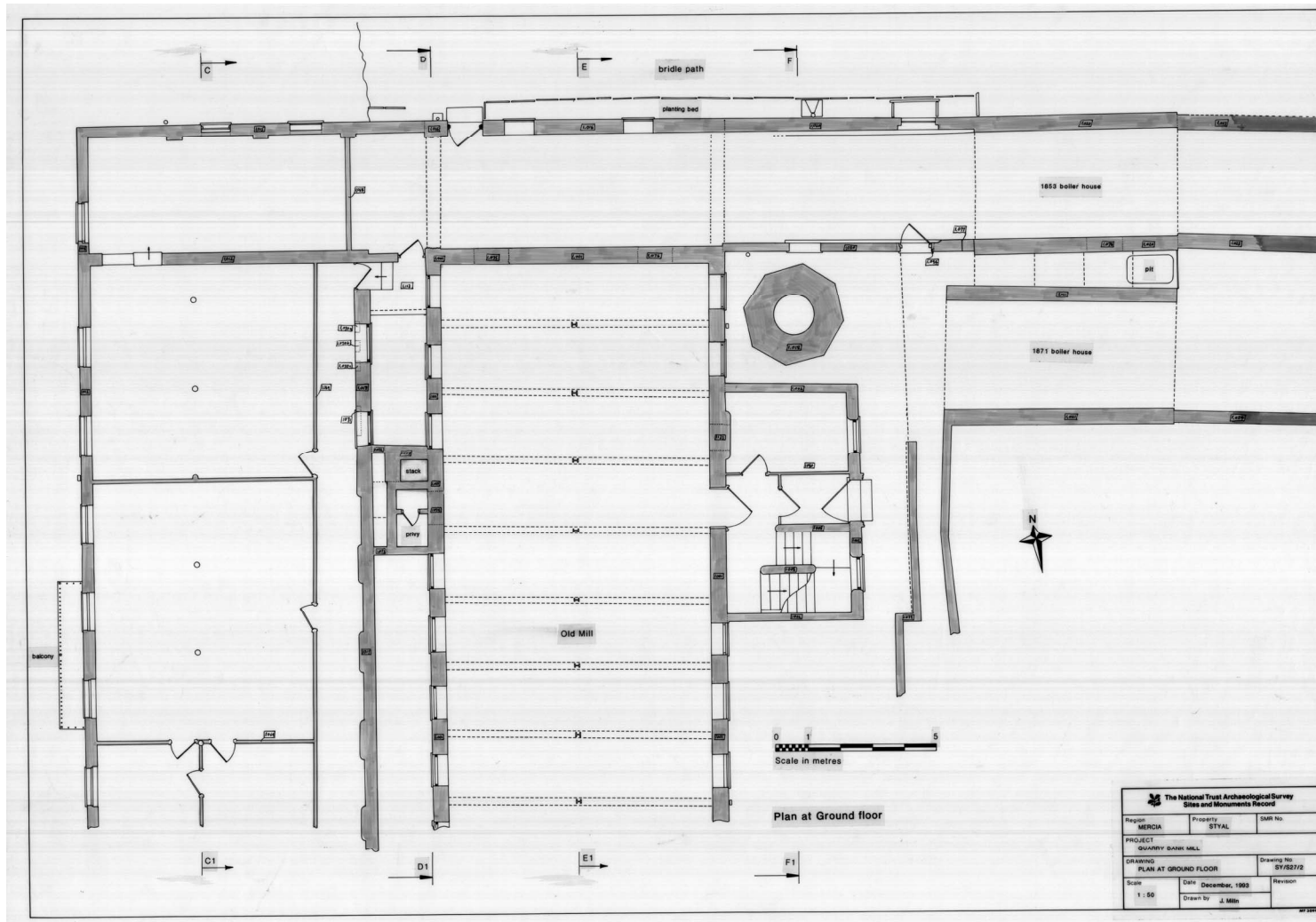


Figure 62: Plan at ground floor, Jeremy Milln, 1993 (QBM SY/S27/2)

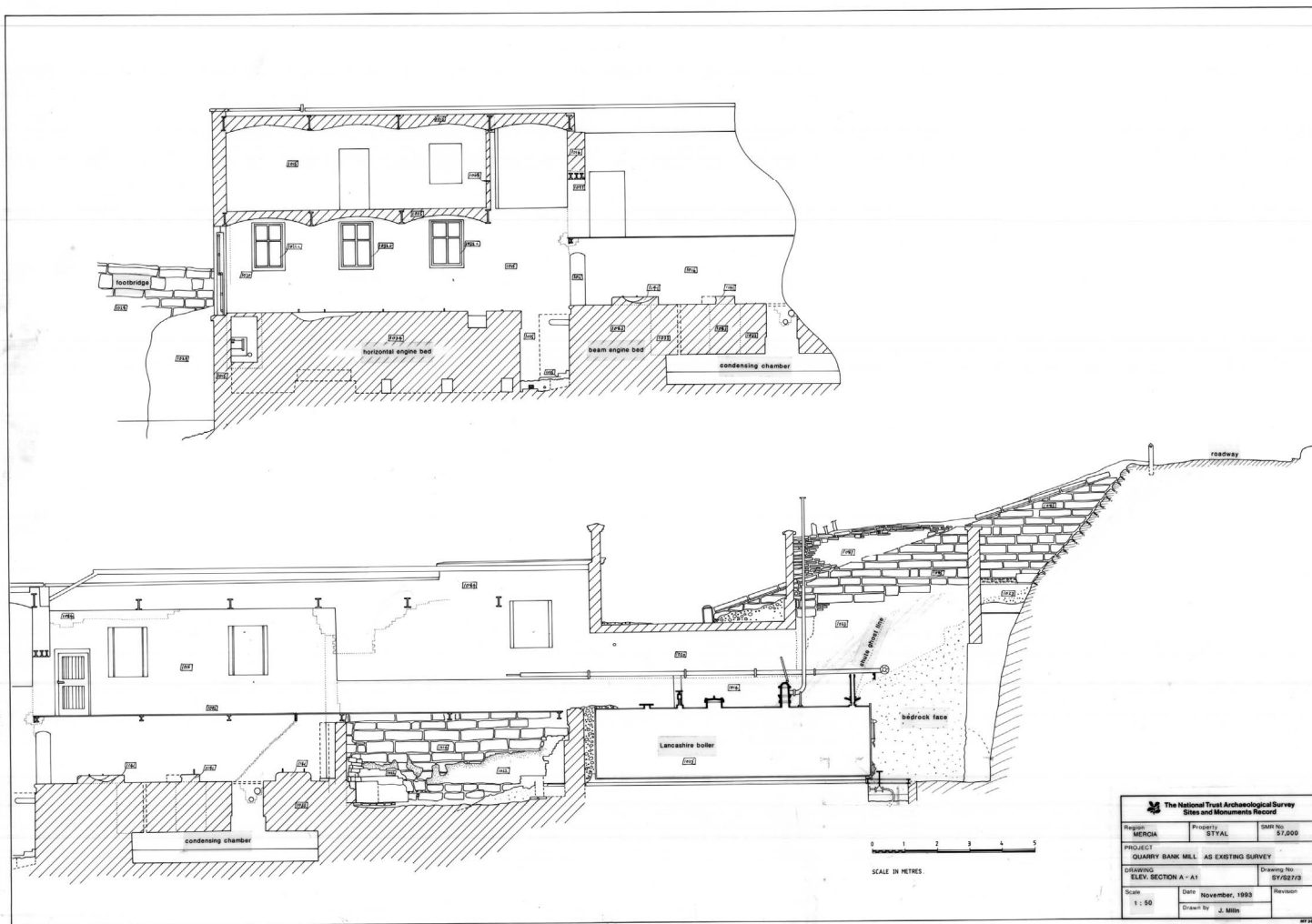


Figure 63: Elevation section A-A1, Jeremy Milln, 1993 (QBM SY/S27/3)

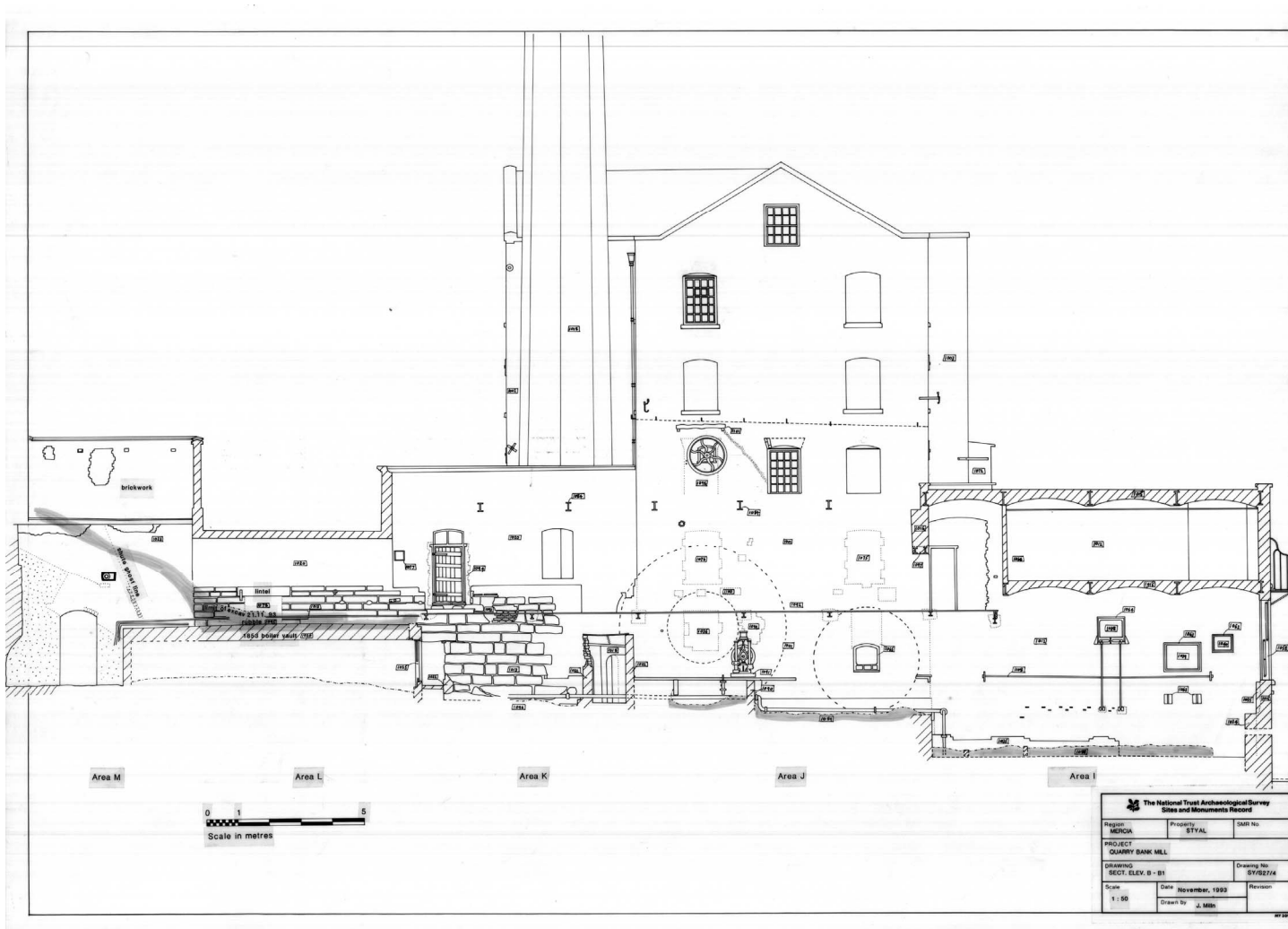


Figure 64: Elevation section B-B1, Jeremy Milln, 1993 (QBM SY/S27/4)

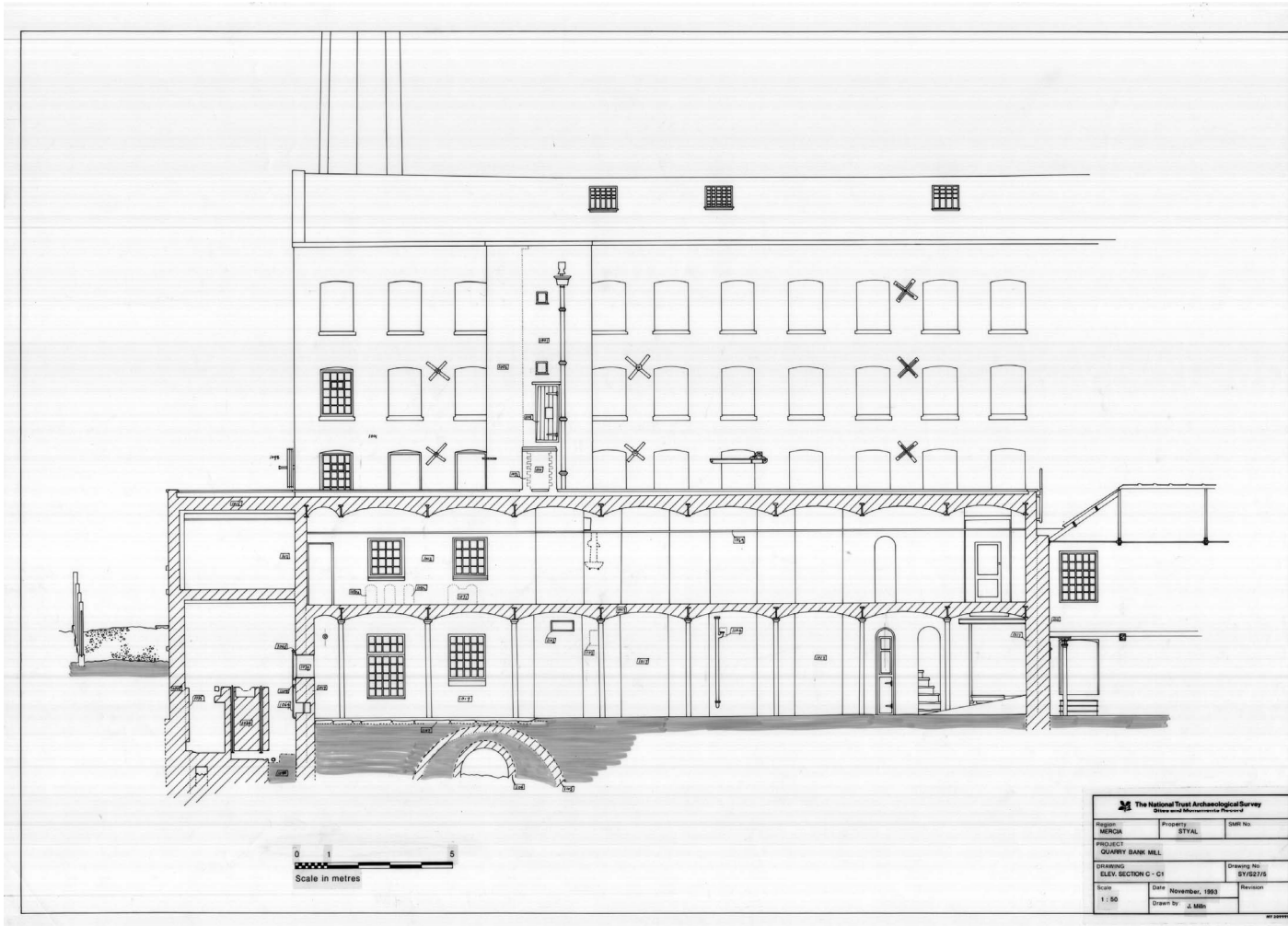


Figure 65: Elevation section C-C1, Jeremy Milln, 1993 (QBM SY/S27/5)

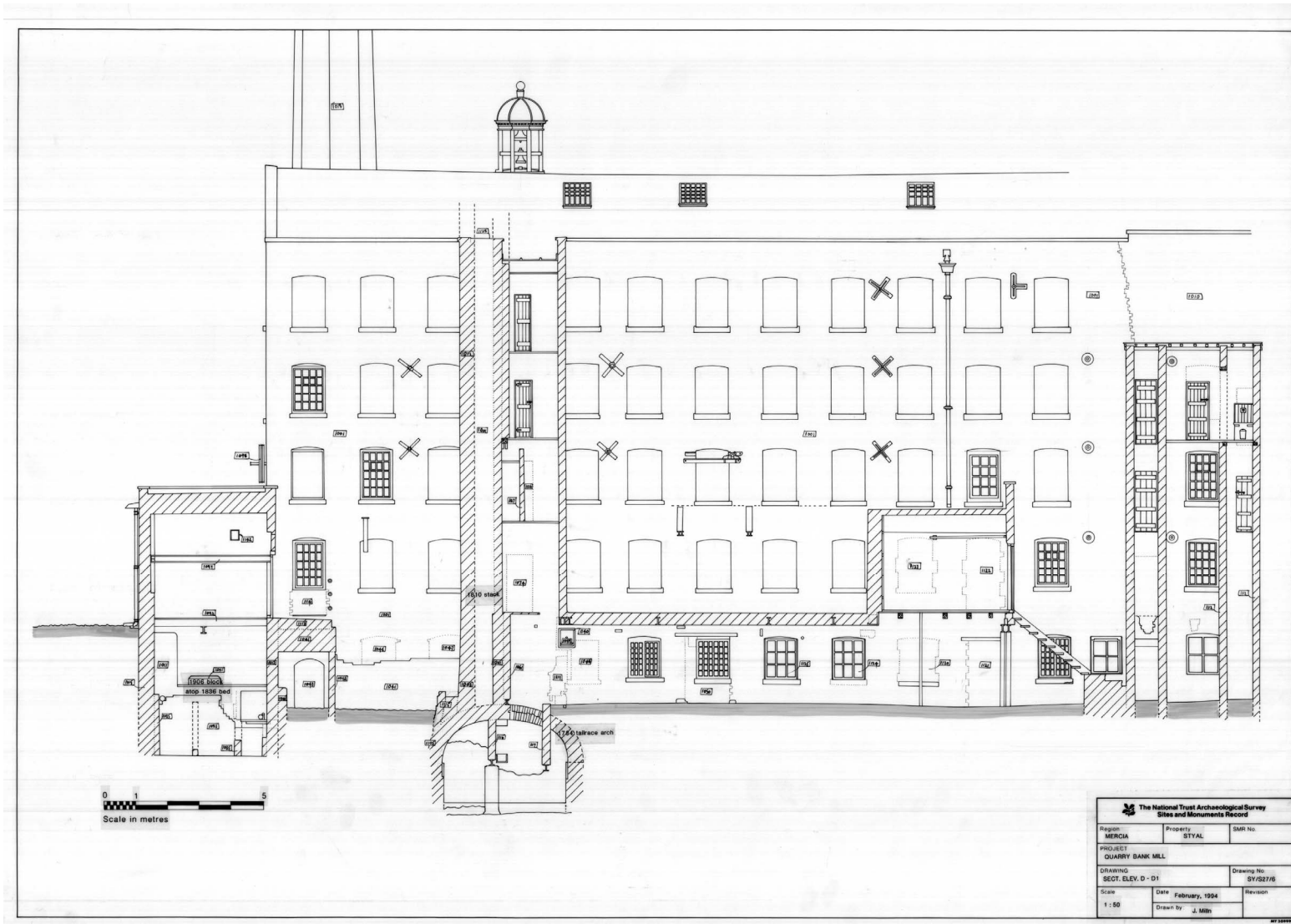


Figure 66: Elevation section D-D1, Jeremy Milln, 1993 (QBM SY/S27/6)

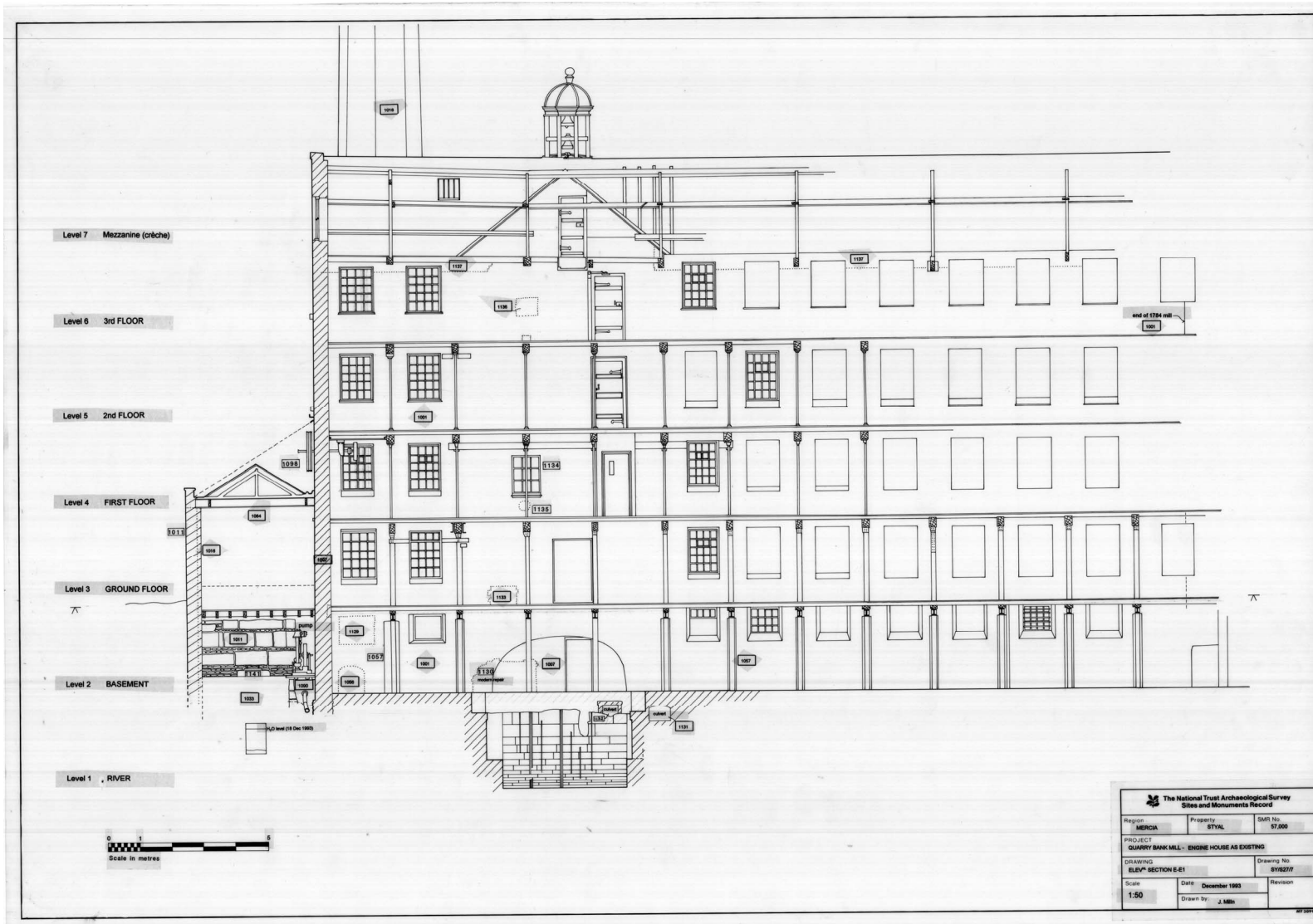


Figure 67: Elevation section E-E1, Jeremy Milln, 1993 (QBM SY/S27/7)

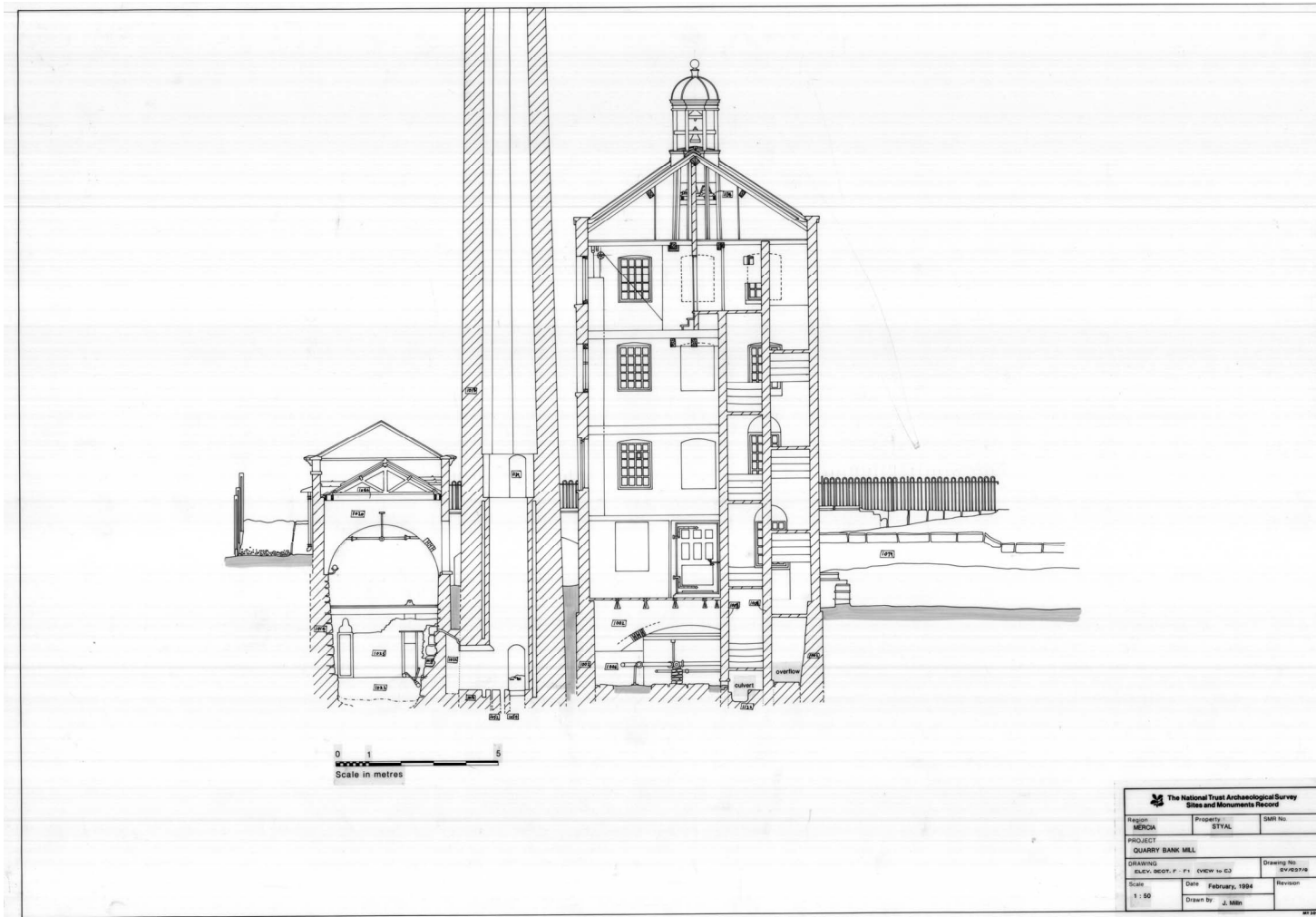


Figure 68: Elevation section F-F1, Jeremy Milln, 1993 (QBM SY/S27/8)

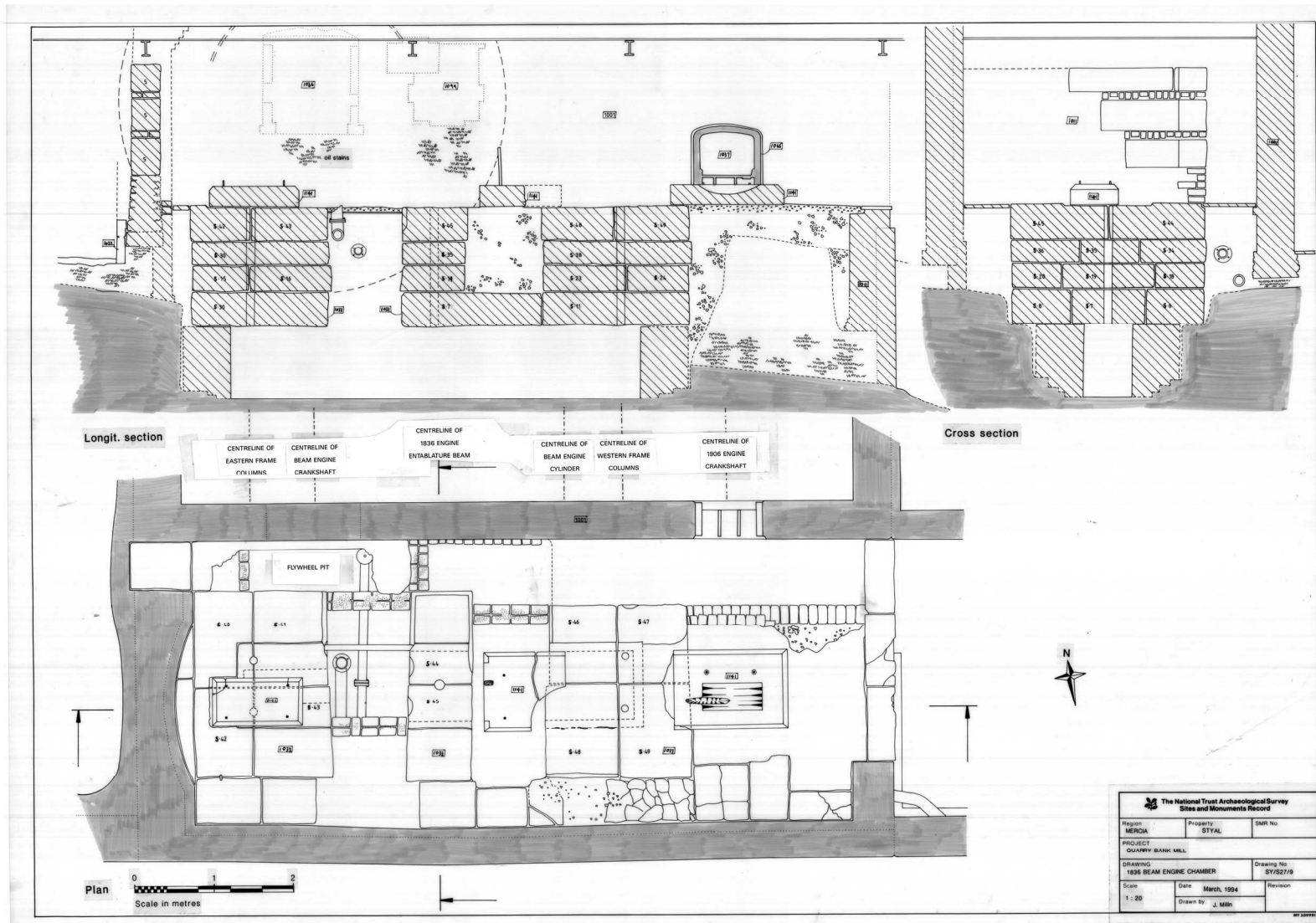


Figure 69: 1836 beam engine chamber, Jeremy Milln, 1993 (QBM SY/S27/9)

QUARRY BANK MILL 1836 BEAM ENGINE HOUSE PLAN

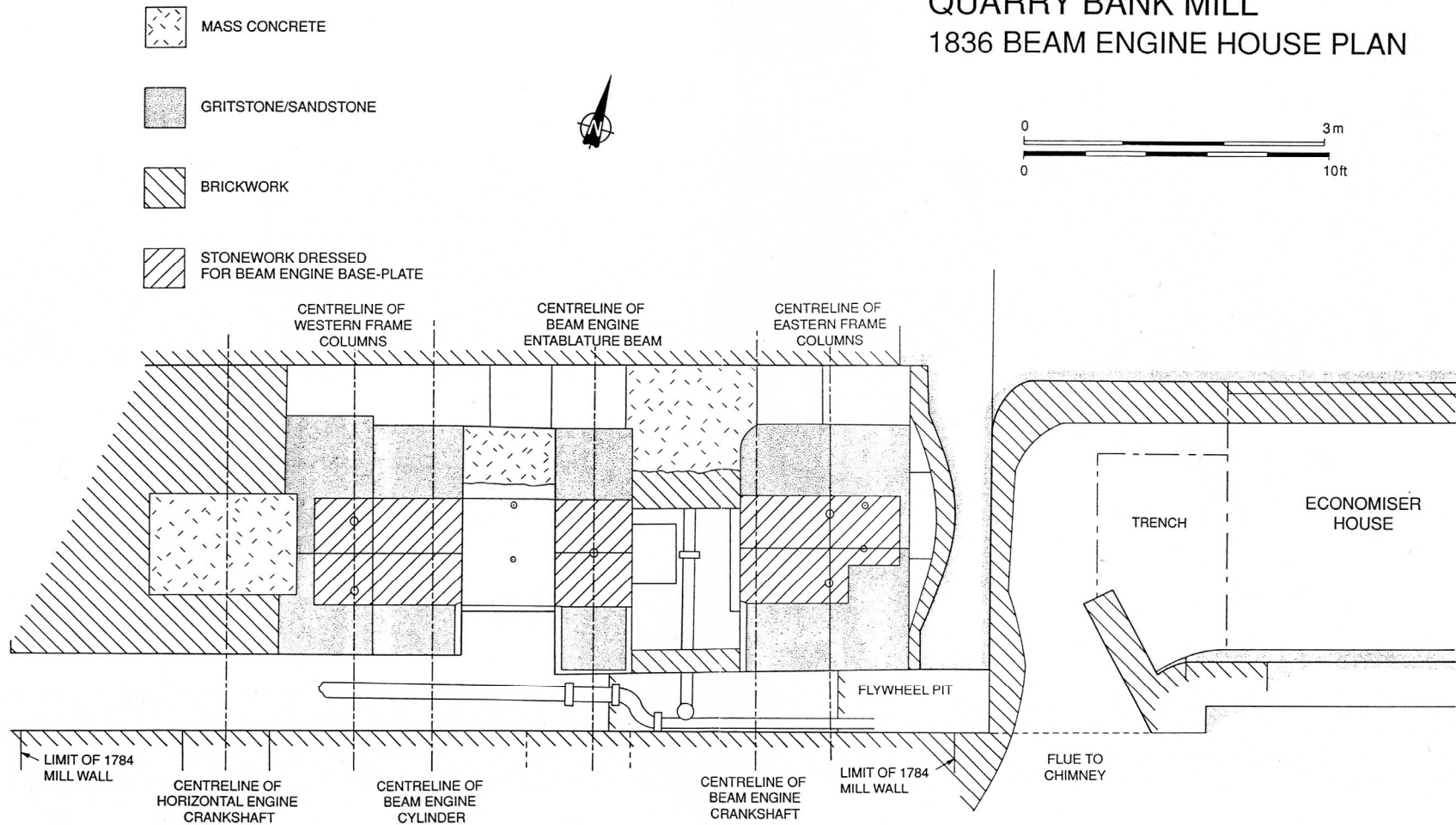


Figure 70: 1836 beam engine house plan (Fletcher 1994)

QUARRY BANK MILL
 SOUTH INTERNAL ELEVATION
 OF 1836 BEAM ENGINE HOUSE

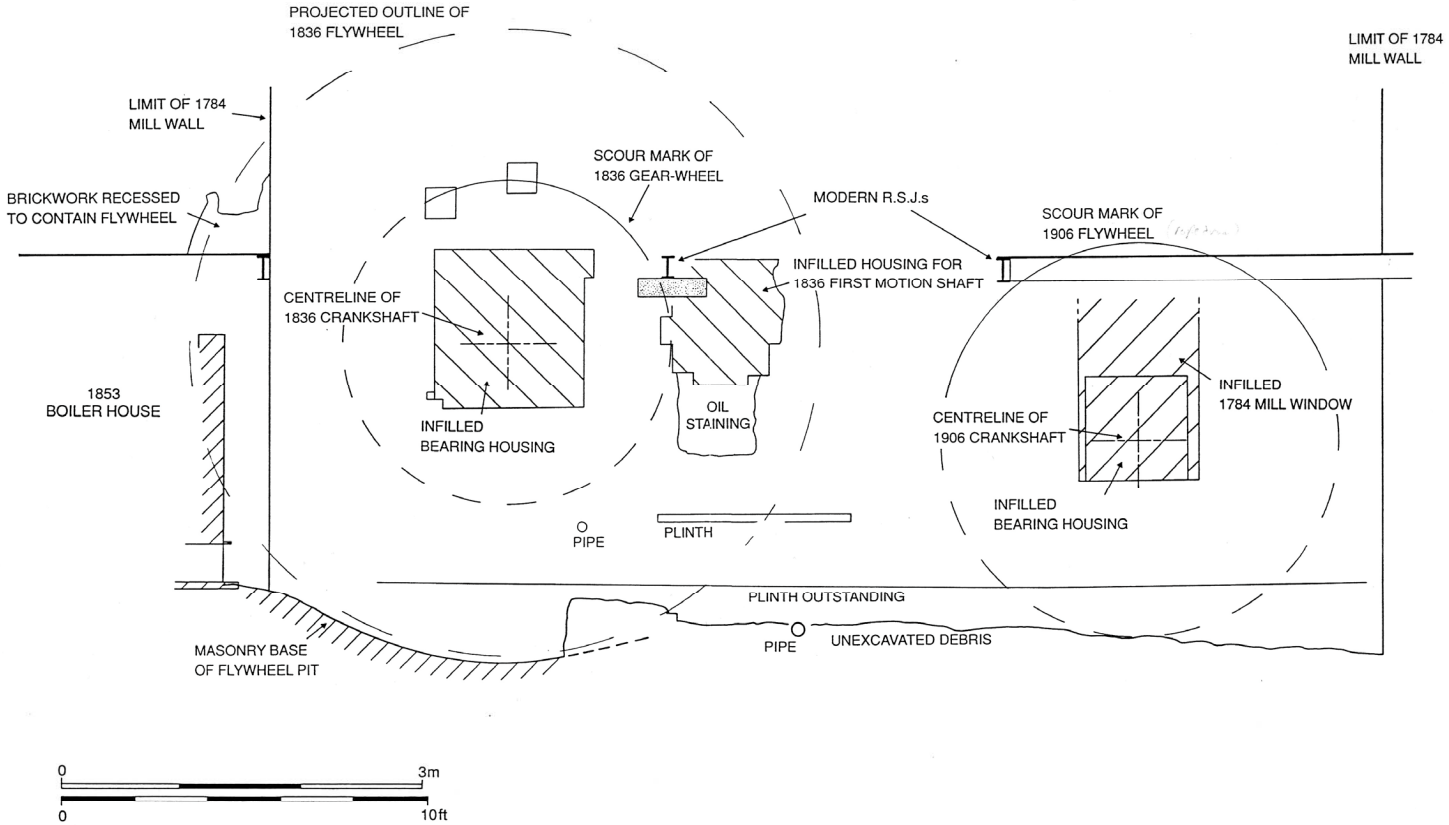


Figure 71: South internal elevation of 1836 beam engine house plan (Fletcher 1994)

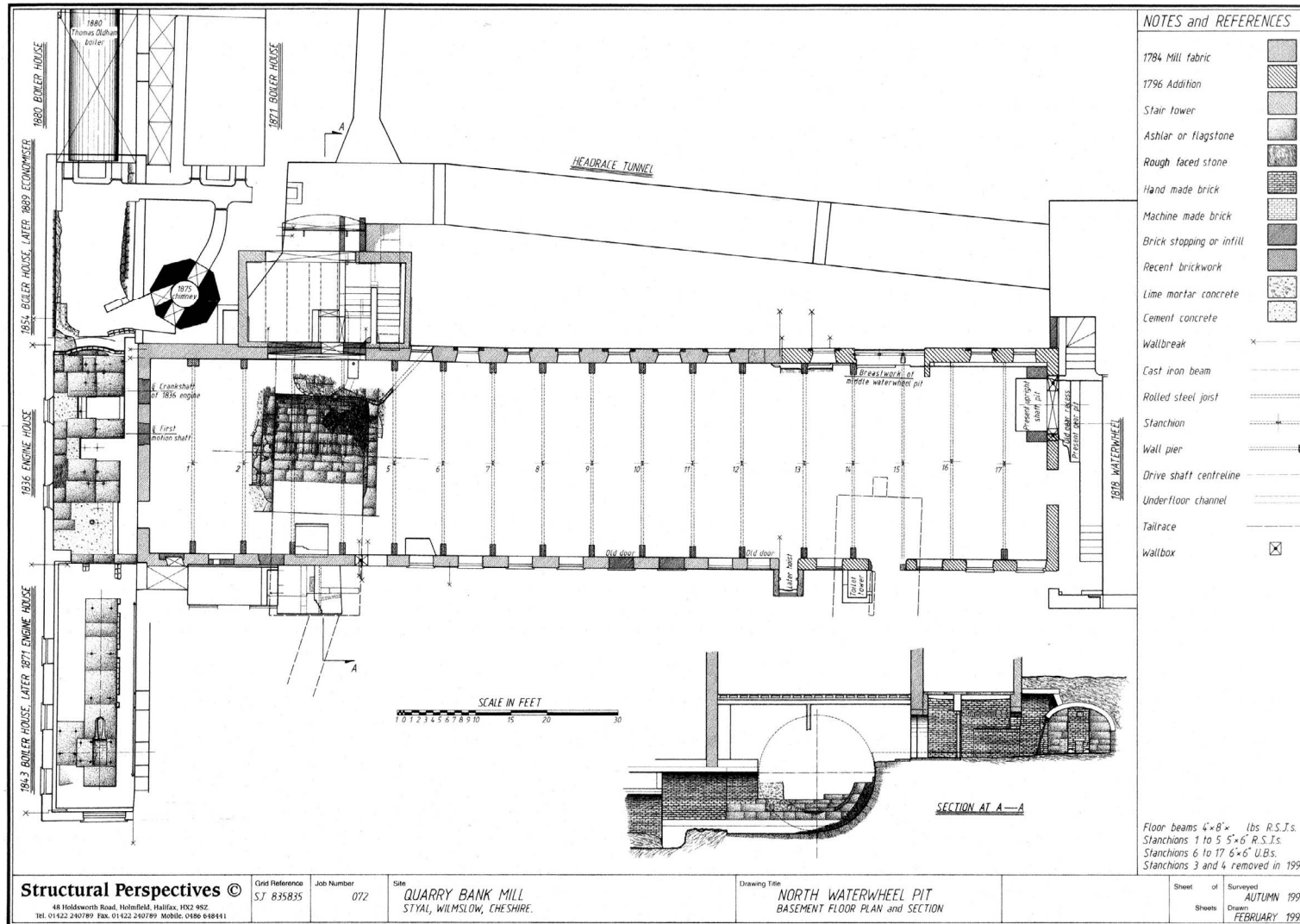


Figure 72: North waterwheel pit, basement floor plan and section (Structural Perspectives 1997/8)

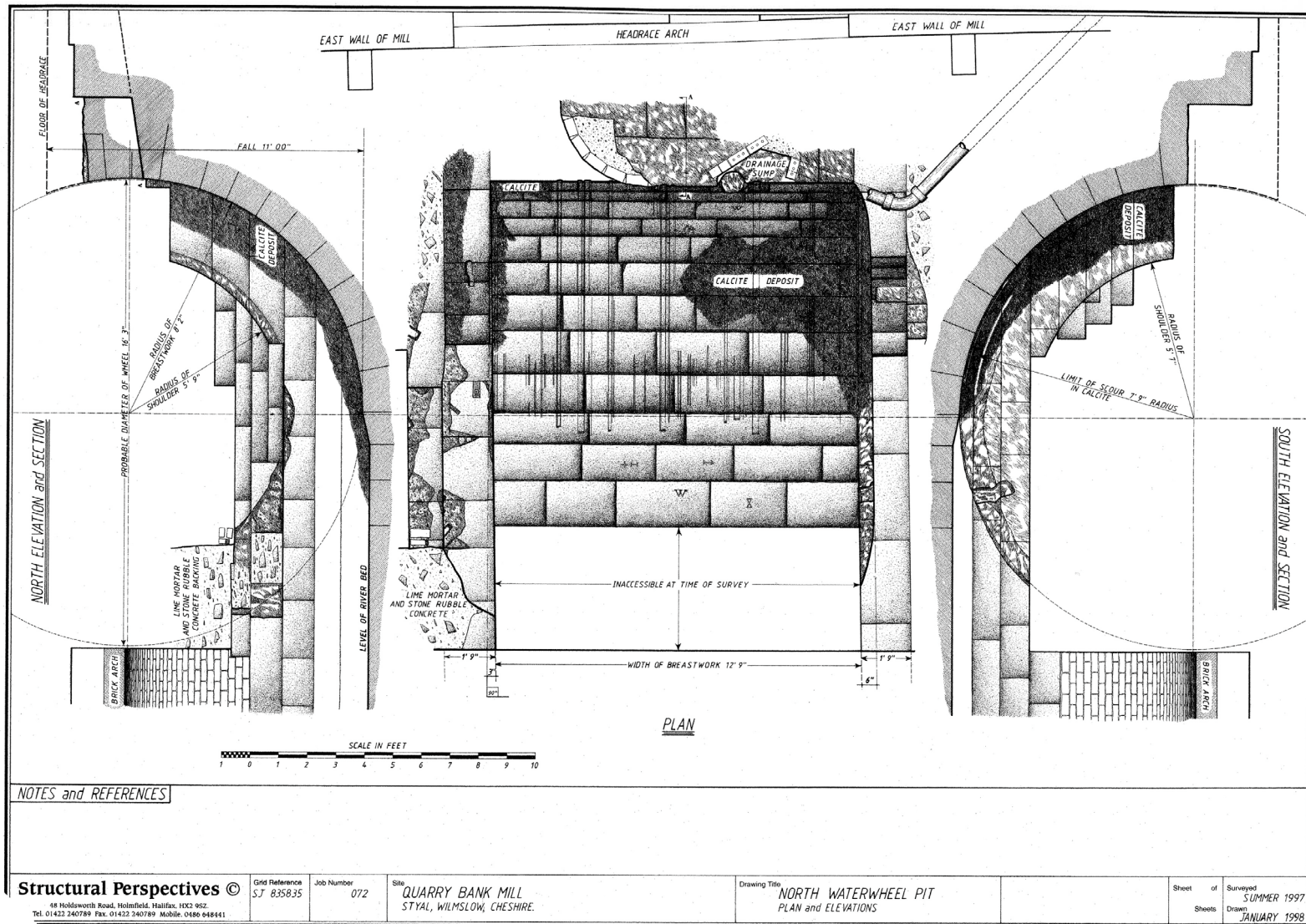


Figure 73: North waterwheel pit, plans and elevations (Structural Perspectives 1997/8)

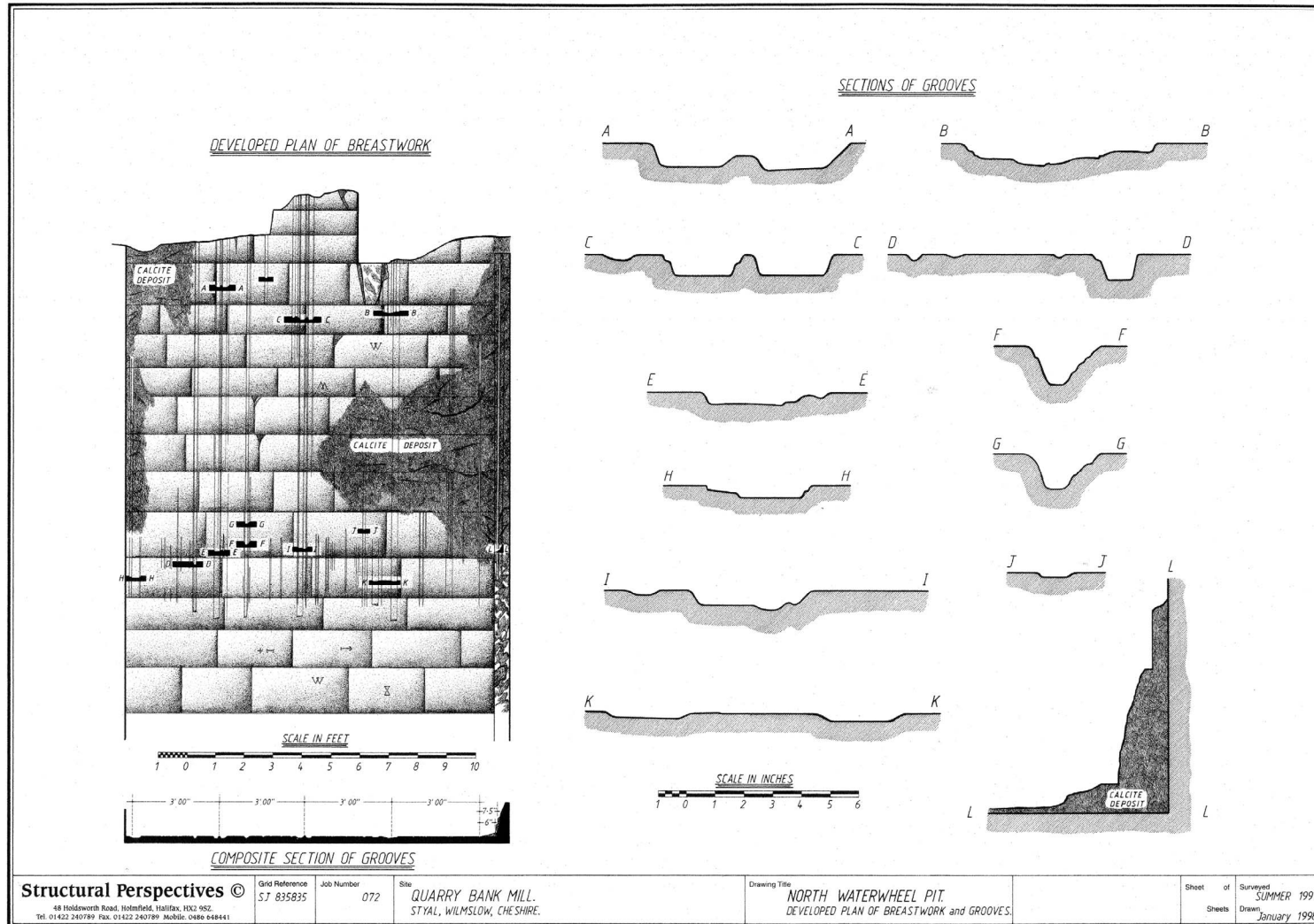
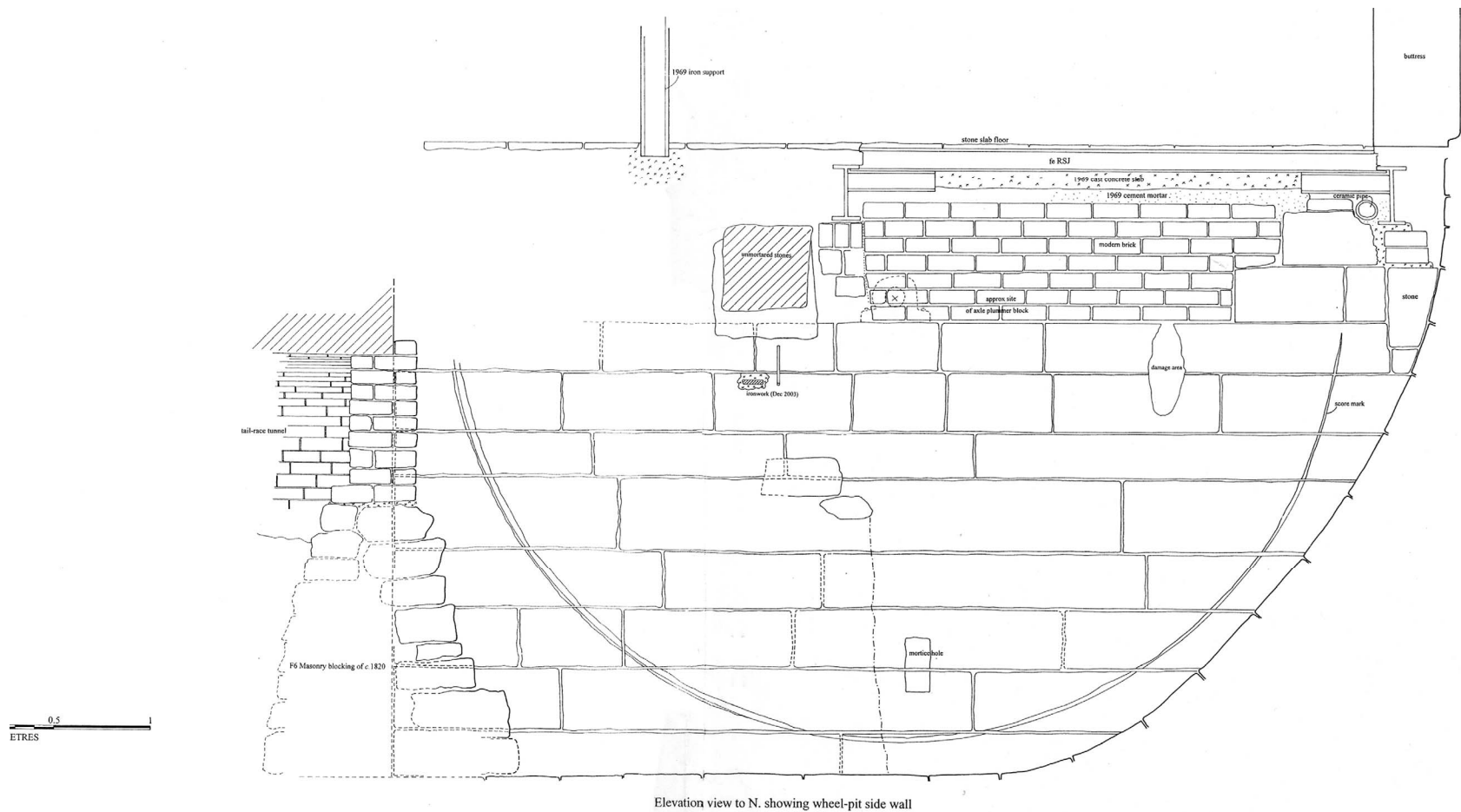



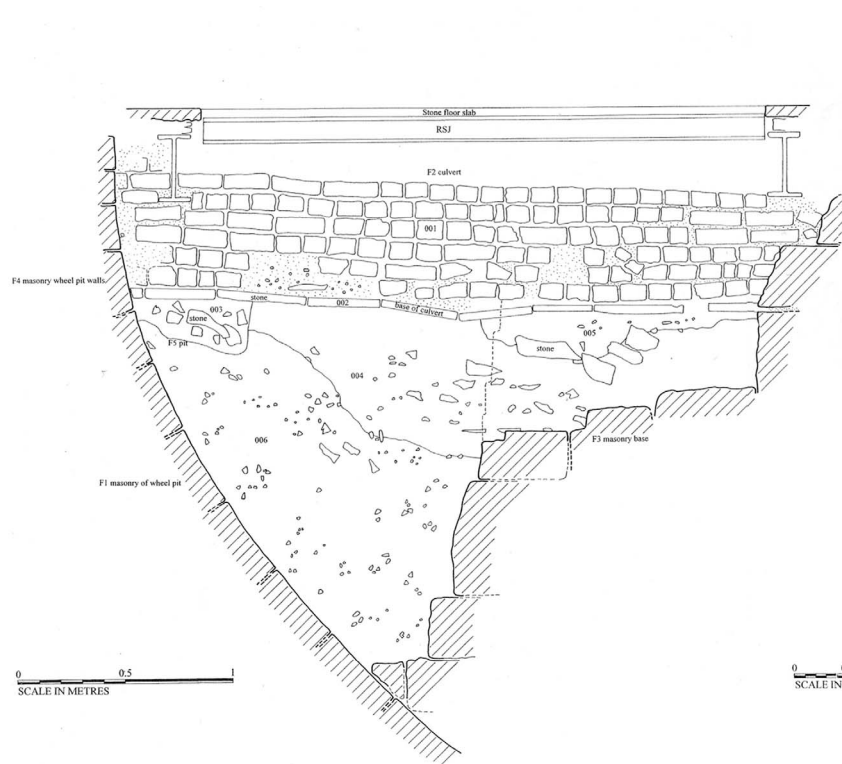
Figure 74: North waterwheel pit, developed plan of breastwork and grooves (Structural Perspectives 1997/8)



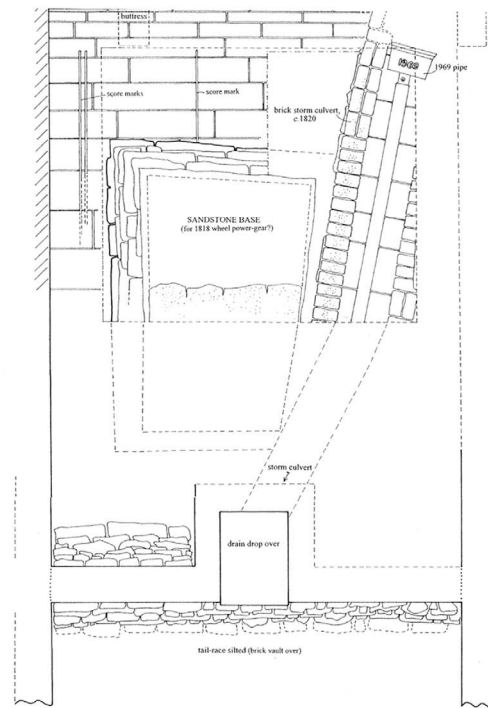
1801 Water wheel pit, Quarry Bank Mill, Styal

Figure 75: '1801' waterwheel pit, north elevation (Jeremy Milne 2002/03)

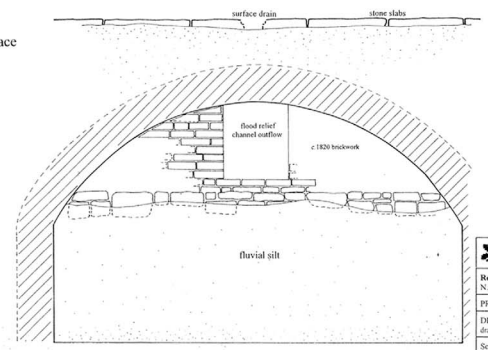
 The National Trust Archaeological Sites and Monuments Record		
Region	Property	SM
N.W. (Merica)	Quarry Bank Mill, Styal	57.1
PROJECT: 1801 Waterwheel Pit		
DRAWING:		1/24
North face of pit in elevation after excavation		1/24



Sectth elev. view to S through c.1820 filling and drain



Plan view of wheel pit and start of tail-race



1801 Water wheel pit, Quarry Bank Mill, Styal

Figure 76: '1801' waterwheel pit, south elevation, plan and tailrace section (Jeremy Milne 2002/3)

The National Trust Archaeology Sites and Monuments Record	
Region N.W. (Merica)	Property Quarry Bank Mill, Styal
PROJECT: 1801 Waterwheel Pit	
DRAWING: Sect th elev to S showing later drain, plus plan and tailrace section	
Scale(s) 1:10 & 1:20	Date: Oct 02 & Dec 03 Drawn by: Jeremy Milne

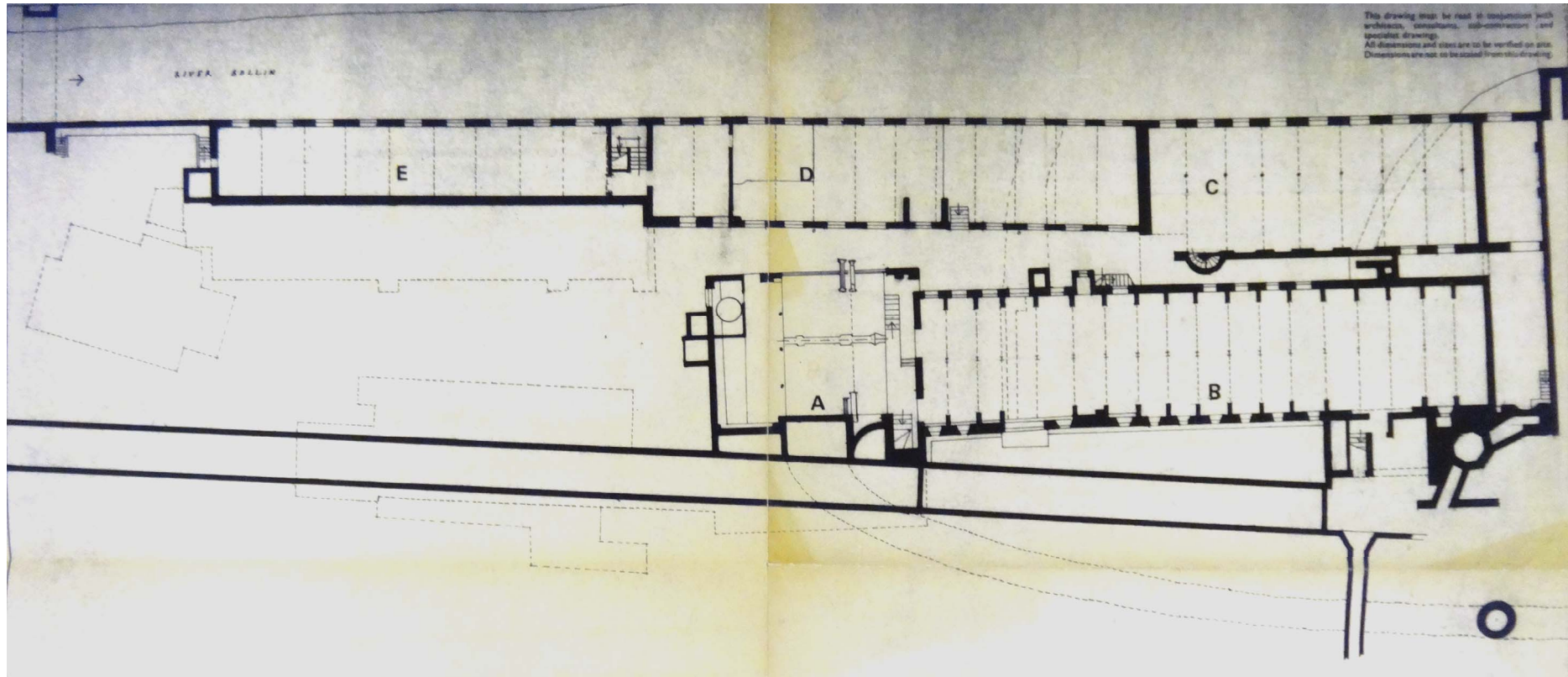


Figure 78: Mill plan, 'River Level', January 1975, revised August 1979 (QBM 1003/57 Rev A)

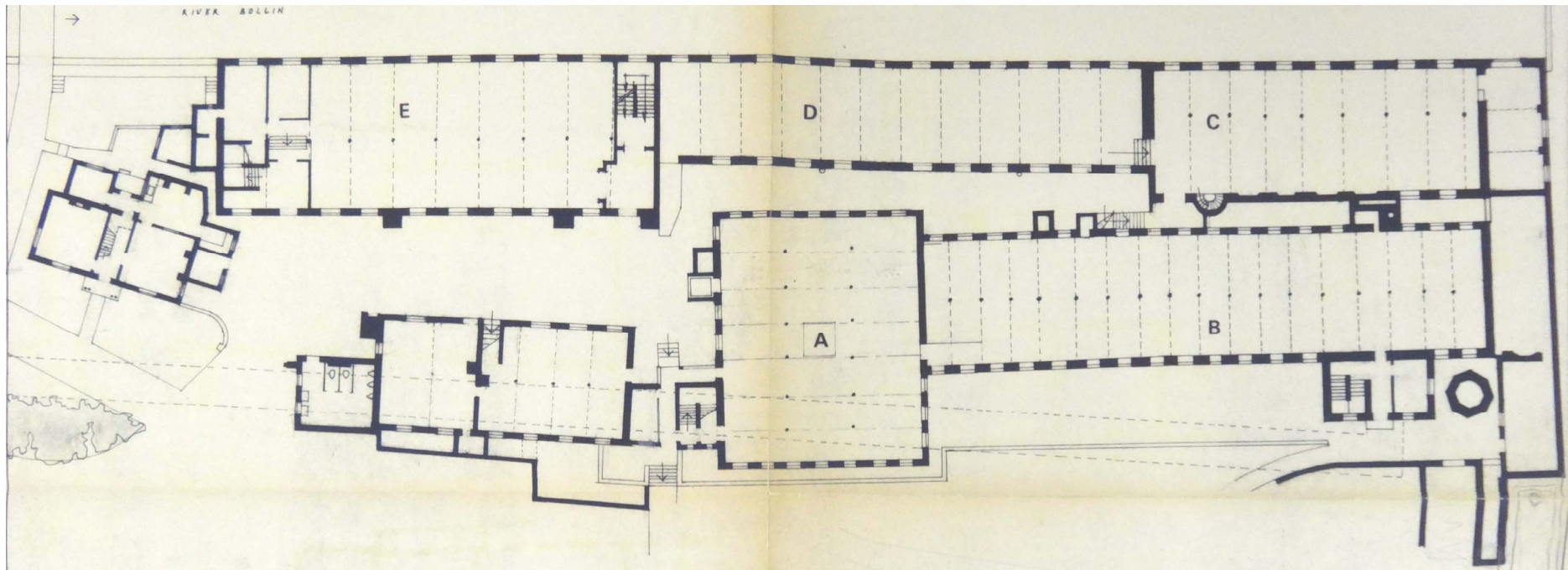


Figure 79: Mill plan, 'Lower Ground Level', January 1975, revised August 1979 (QBM 1003/58 Rev A)

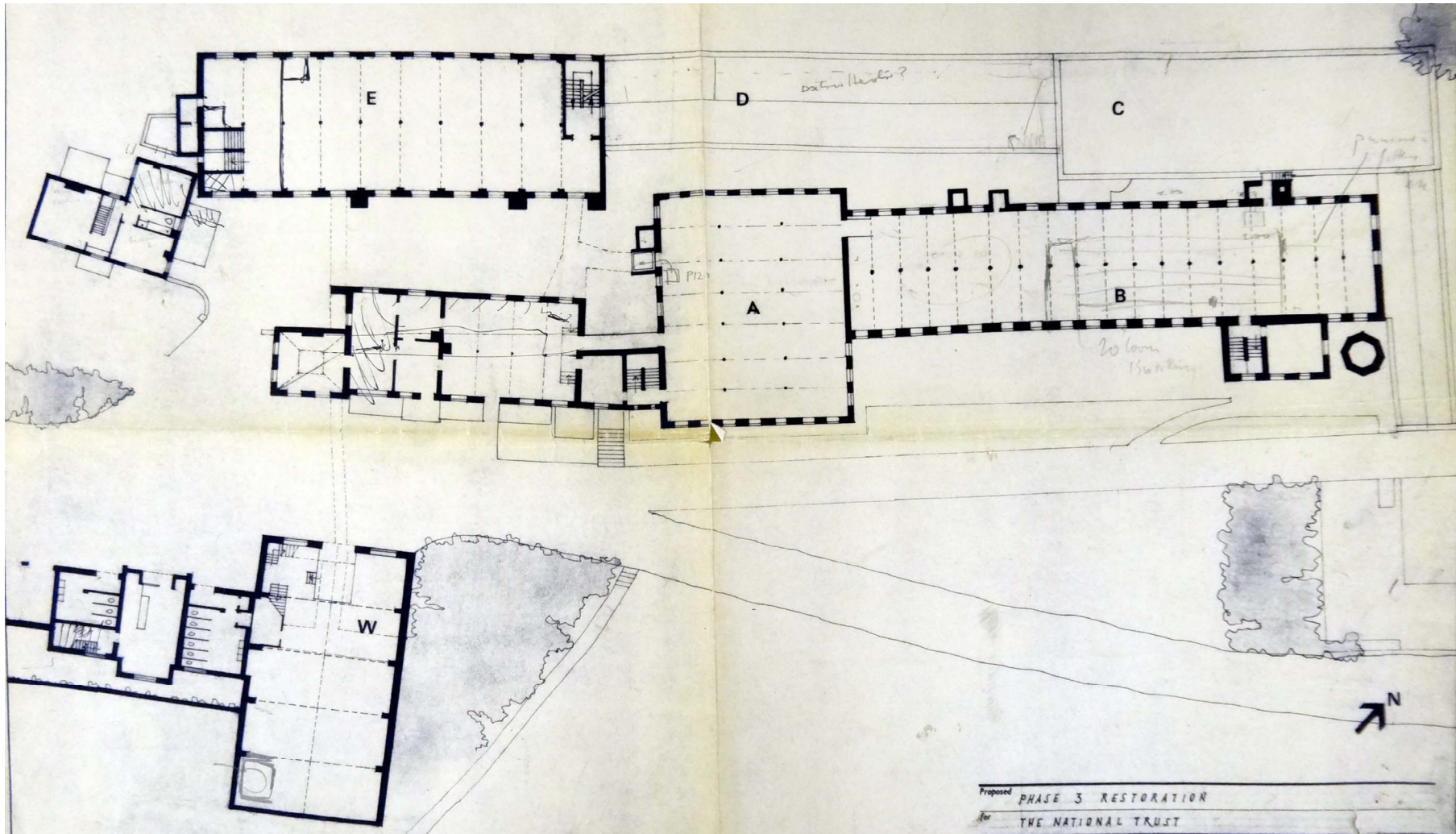


Figure 80: Mill plan, 'Upper Ground Level', January 1975, revised August 1979 (QBM 1003/59 Rev A)

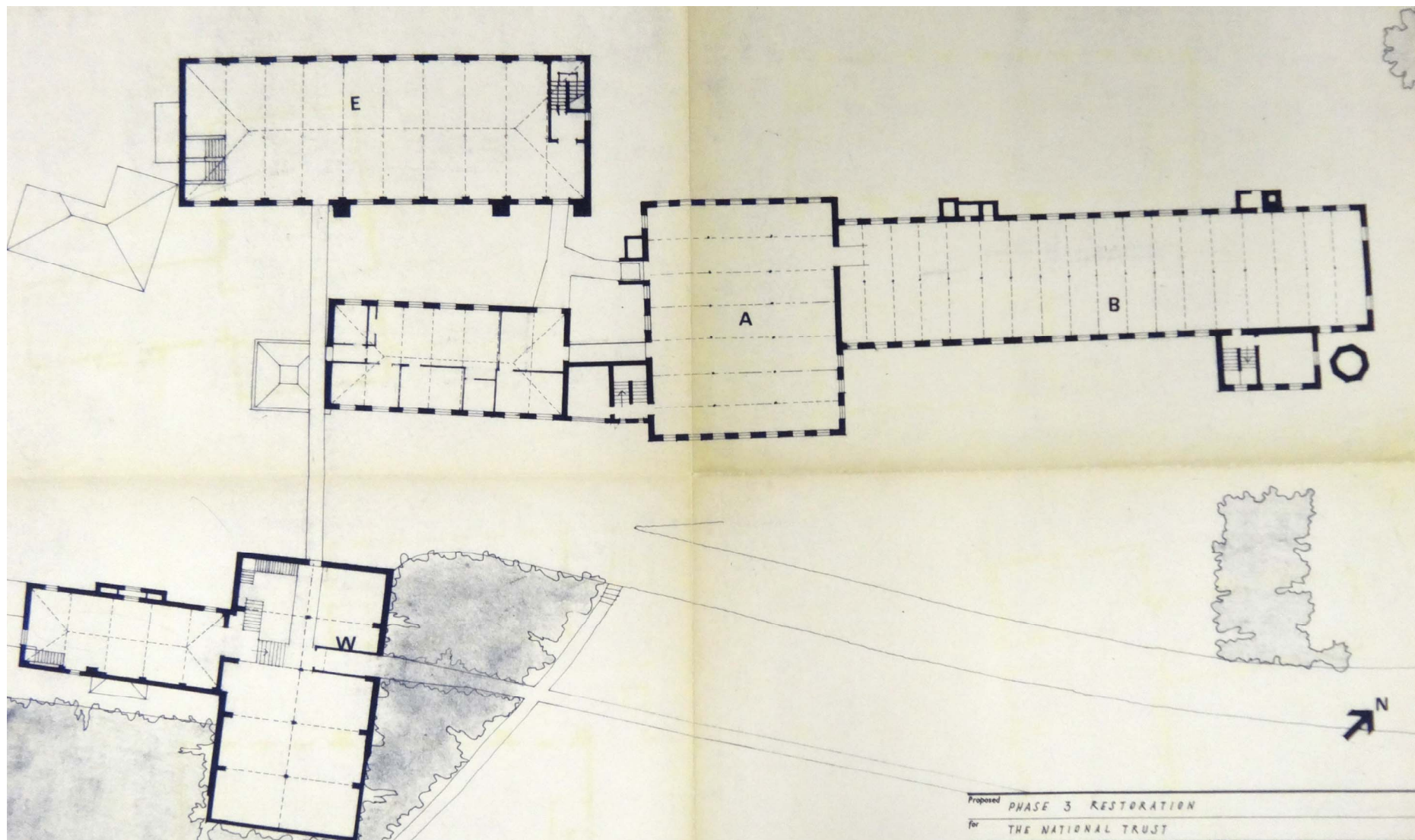


Figure 81: Mill plan 'First Floor', January 1975, revised August 1979 (QBM 1003/60 Rev A)

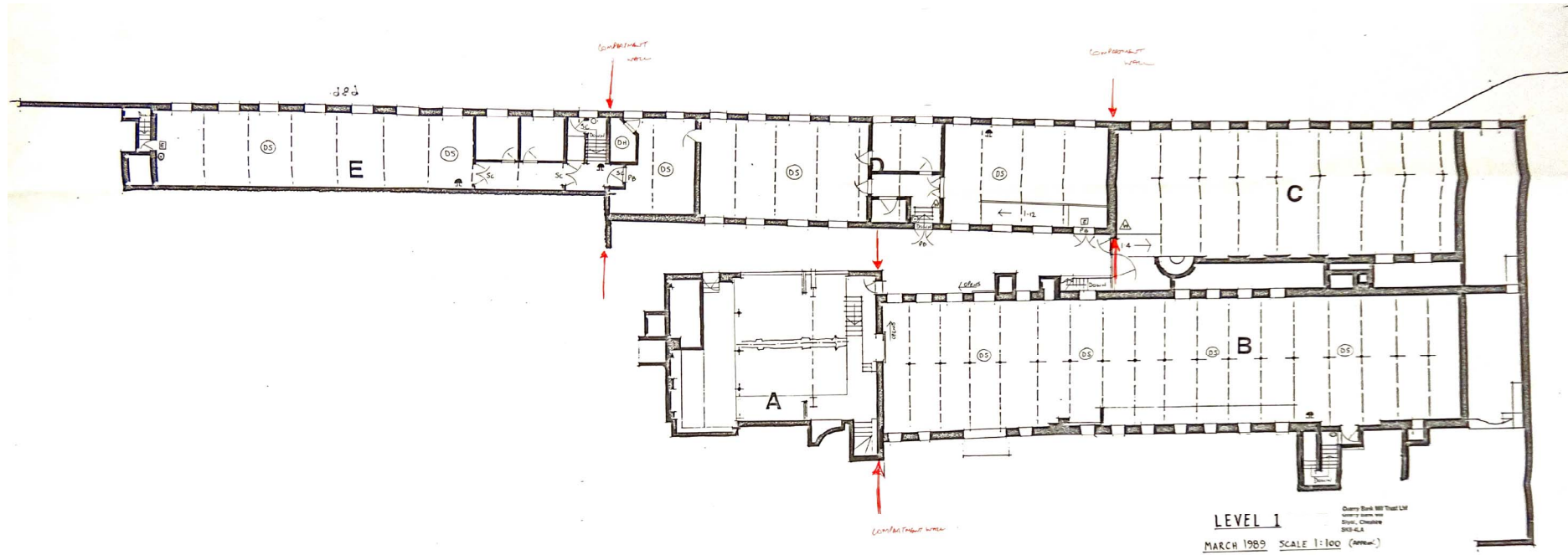


Figure 82: Mill plan, 'Level 1', March 1989 (QBM)

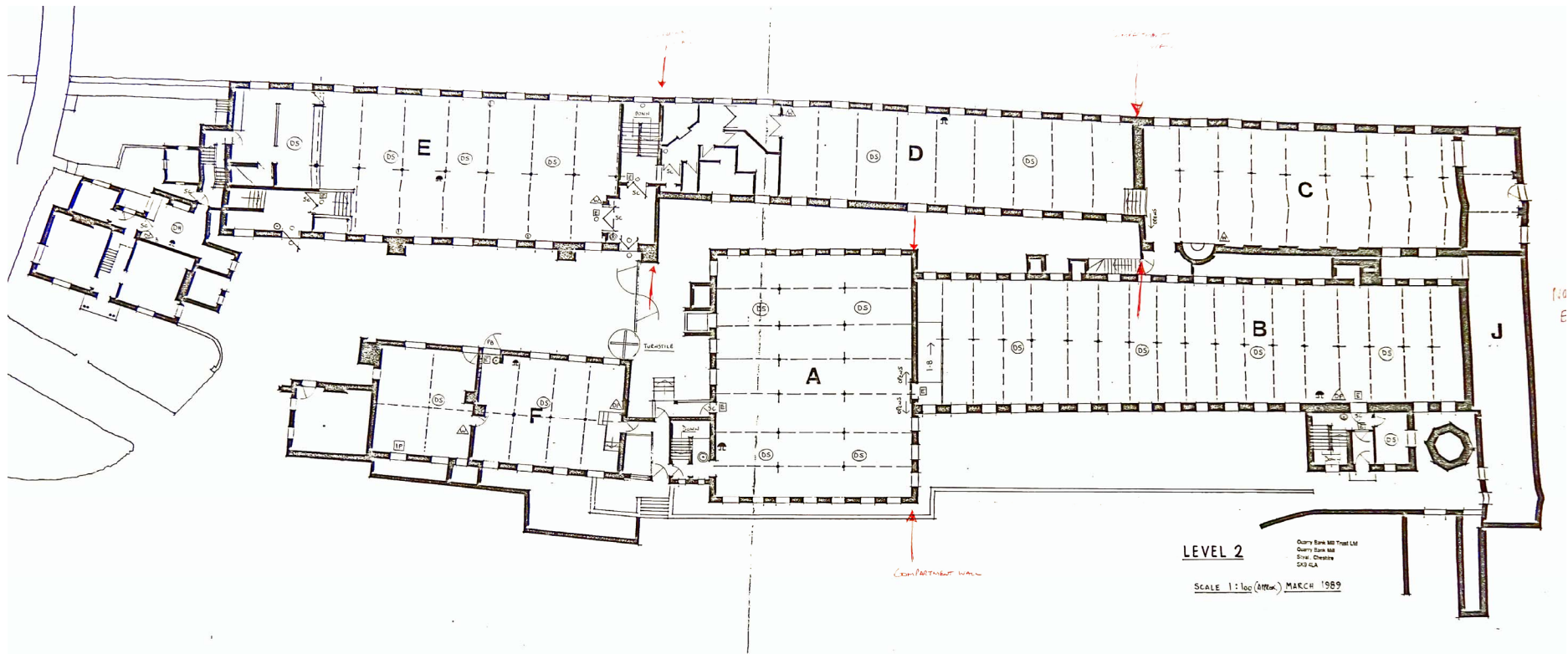


Figure 83: Mill plan, 'Level 2', March 1989 (QBM)

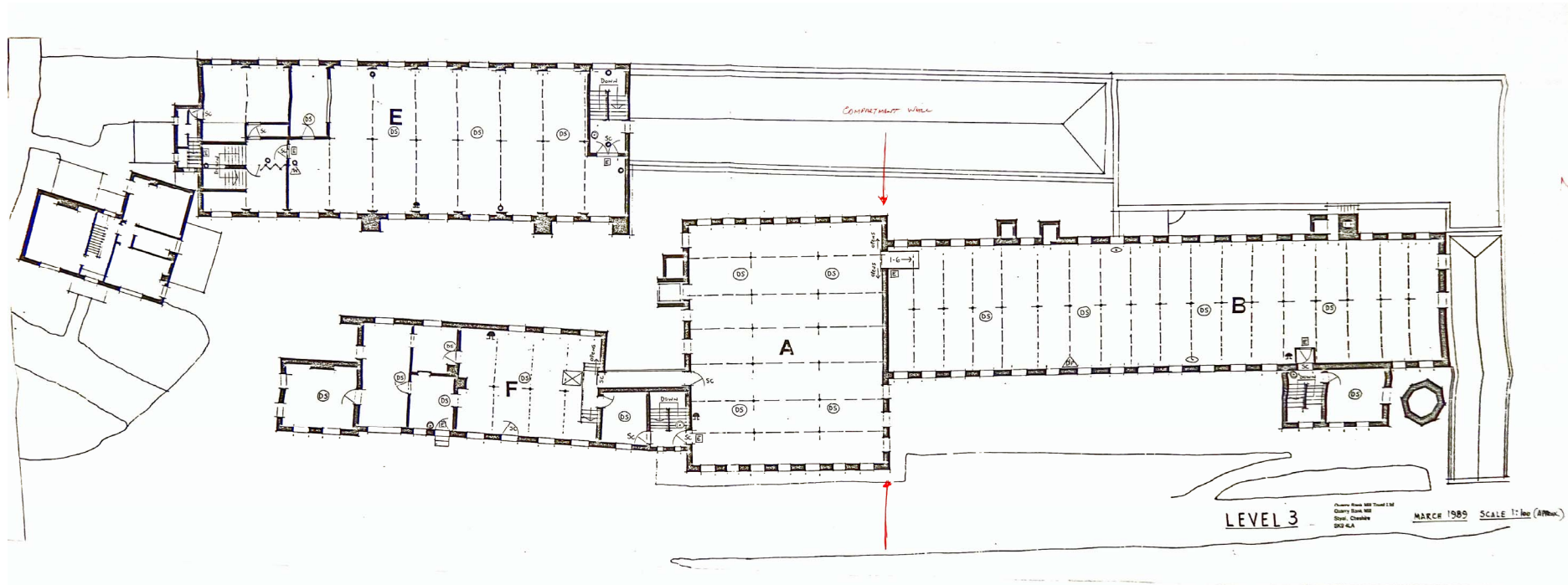


Figure 84: Mill plan, 'Level 3', March 1989 (QBM)

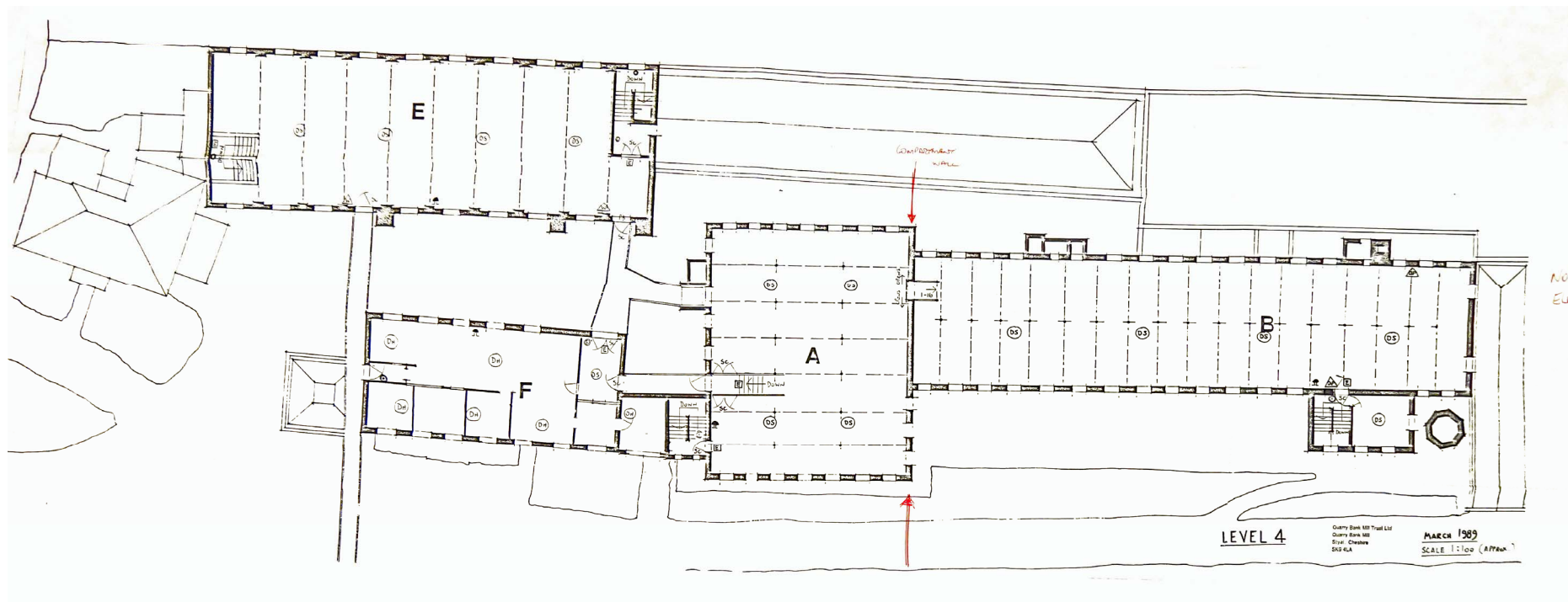


Figure 85: Mill plan, 'Level 4', March 1989 (QBM)

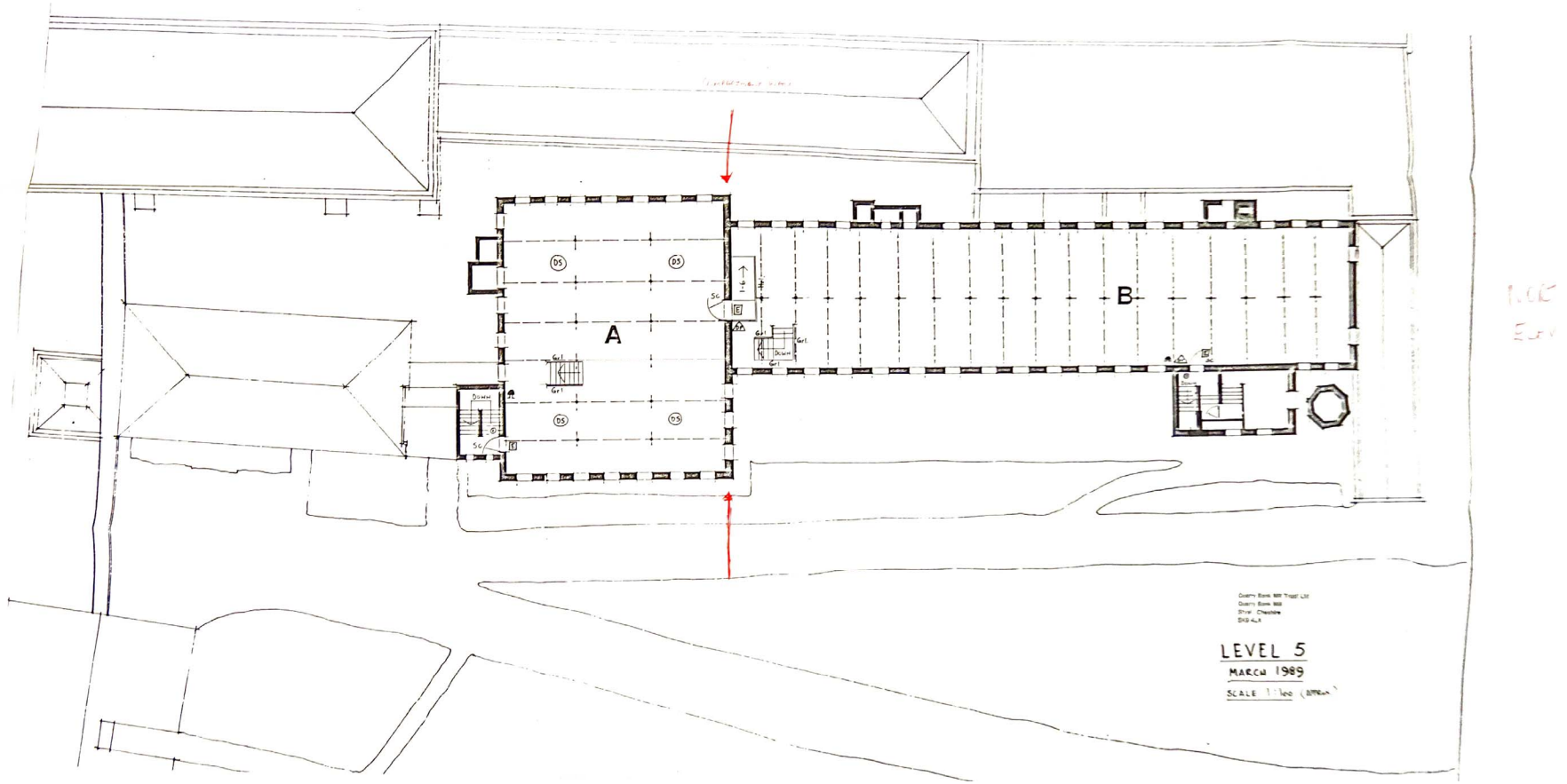


Figure 86: Mill plan, 'Level 5', March 1989 (QBM)

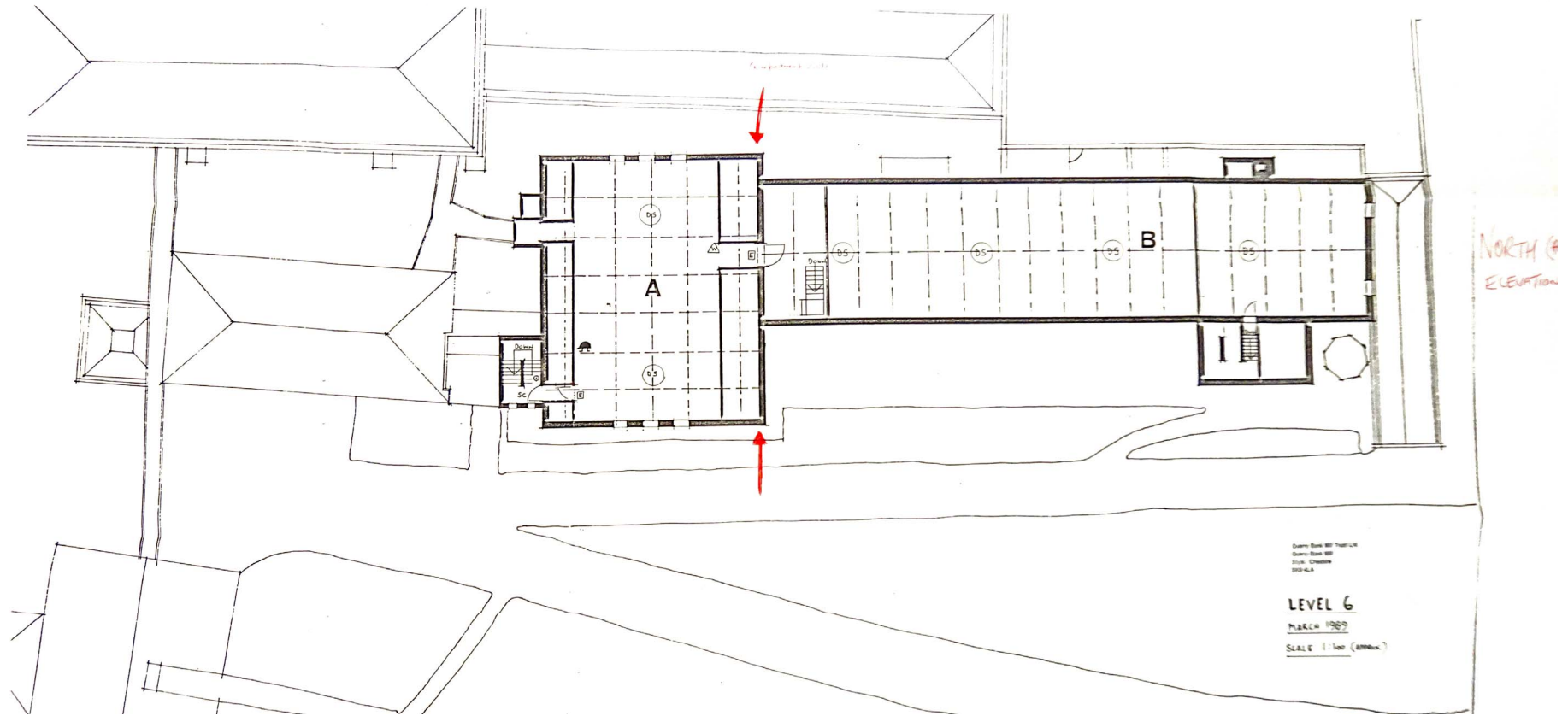


Figure 87: Mill plan, 'Level 6', March 1989 (QBM)

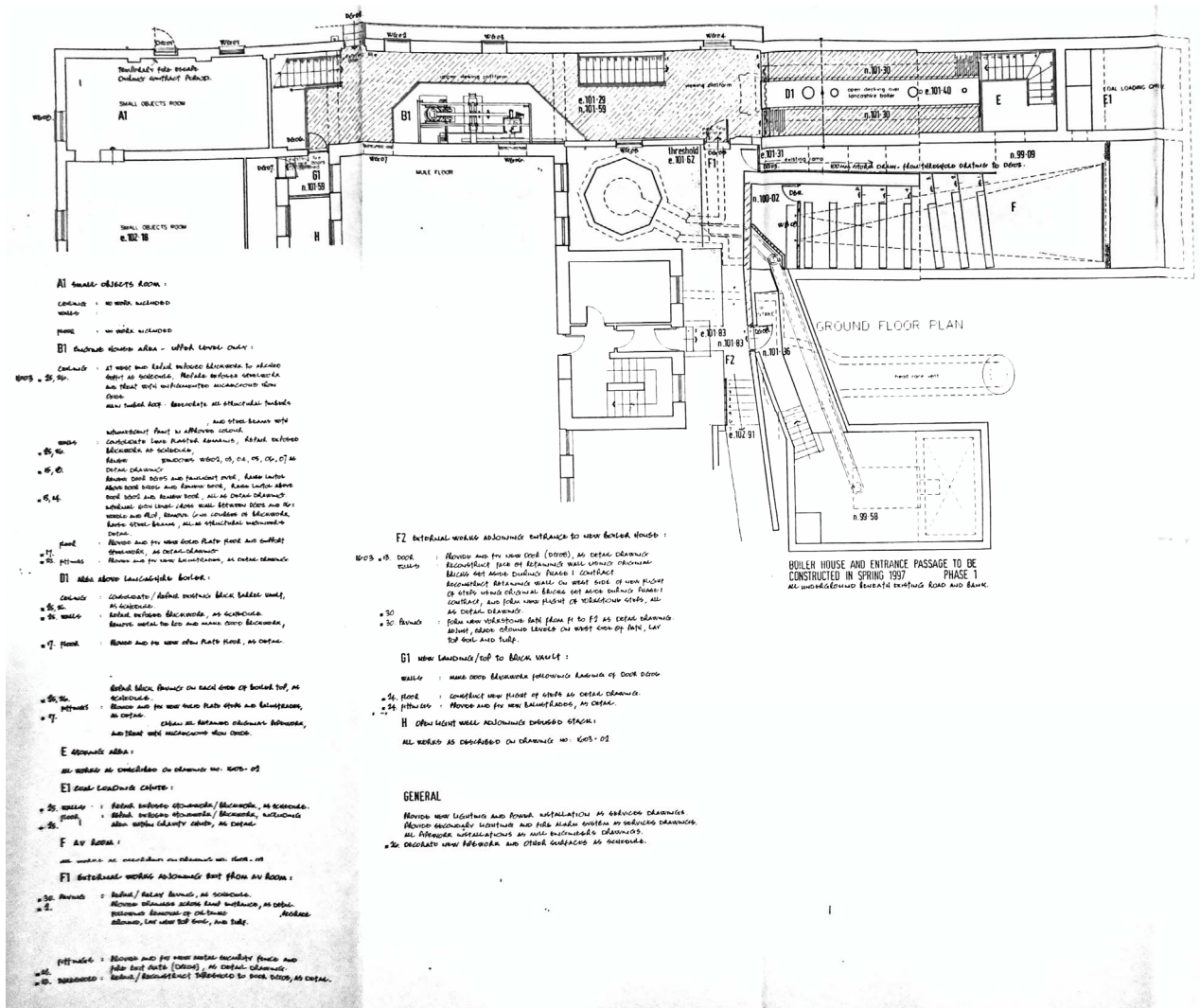


Figure 89: Power Project Phase 2, Ground Floor Plan, Work Content Drawing, December 1996 (QBM Drwg 1603/03 R2).

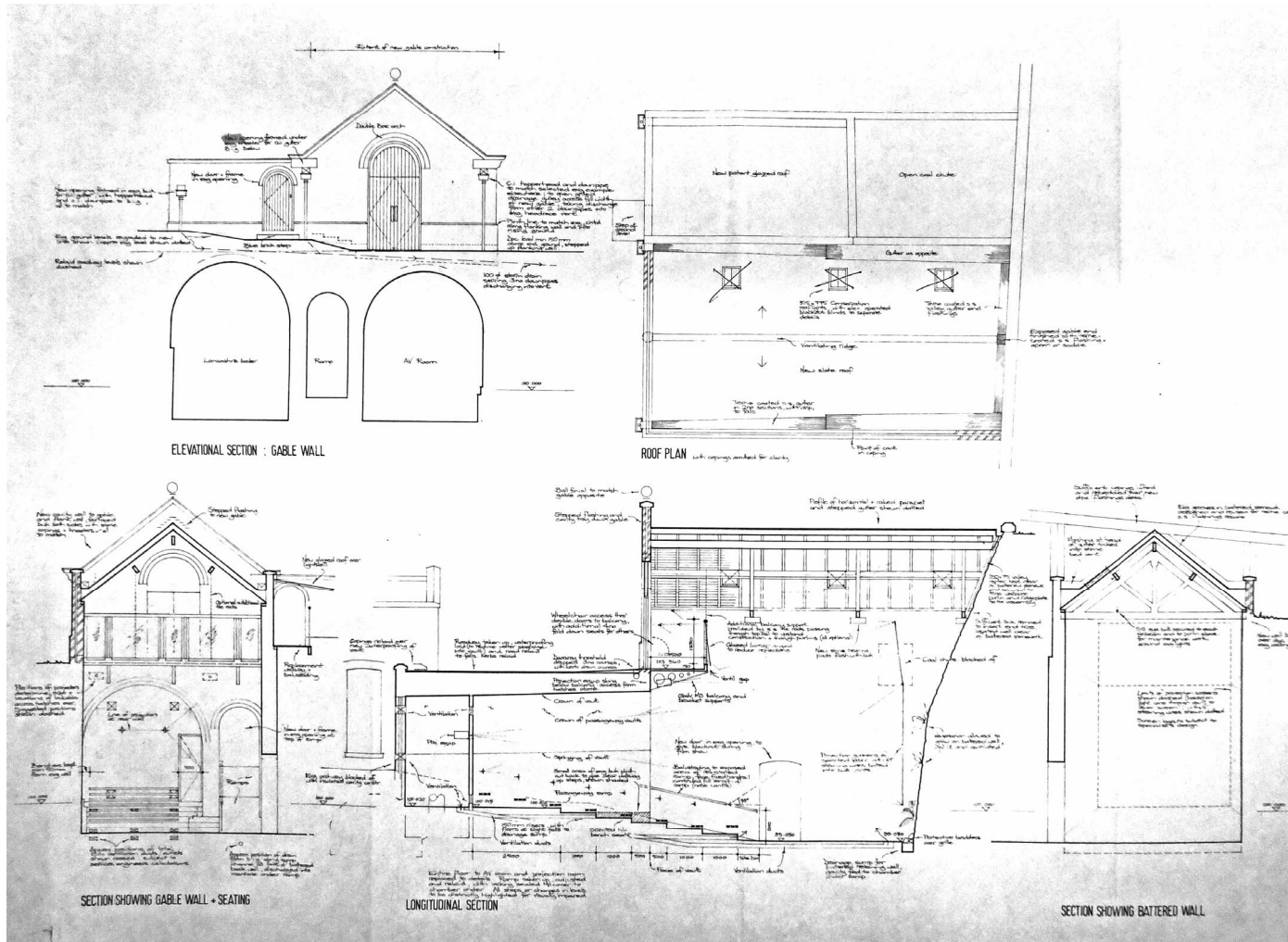


Figure 90: Power Project Phase 2, AV Room General Proposals, December 1996 (QBM Drwg 1603/05)

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