

**Broadford Works, Maberly Street, Aberdeen, AB25 1NB  
Level 2 Standing Building Recording and photographic  
survey**



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## **SUMMARY**

Aberdeen City Council planning application P120048 for proposed urban village was approved on 13.5.13 with archaeology condition (condition 13) and a requirement for a Level 2 Standing Building Survey, a watching brief during ground disturbance in the area of the older mill buildings and photographic survey of the more modern buildings.

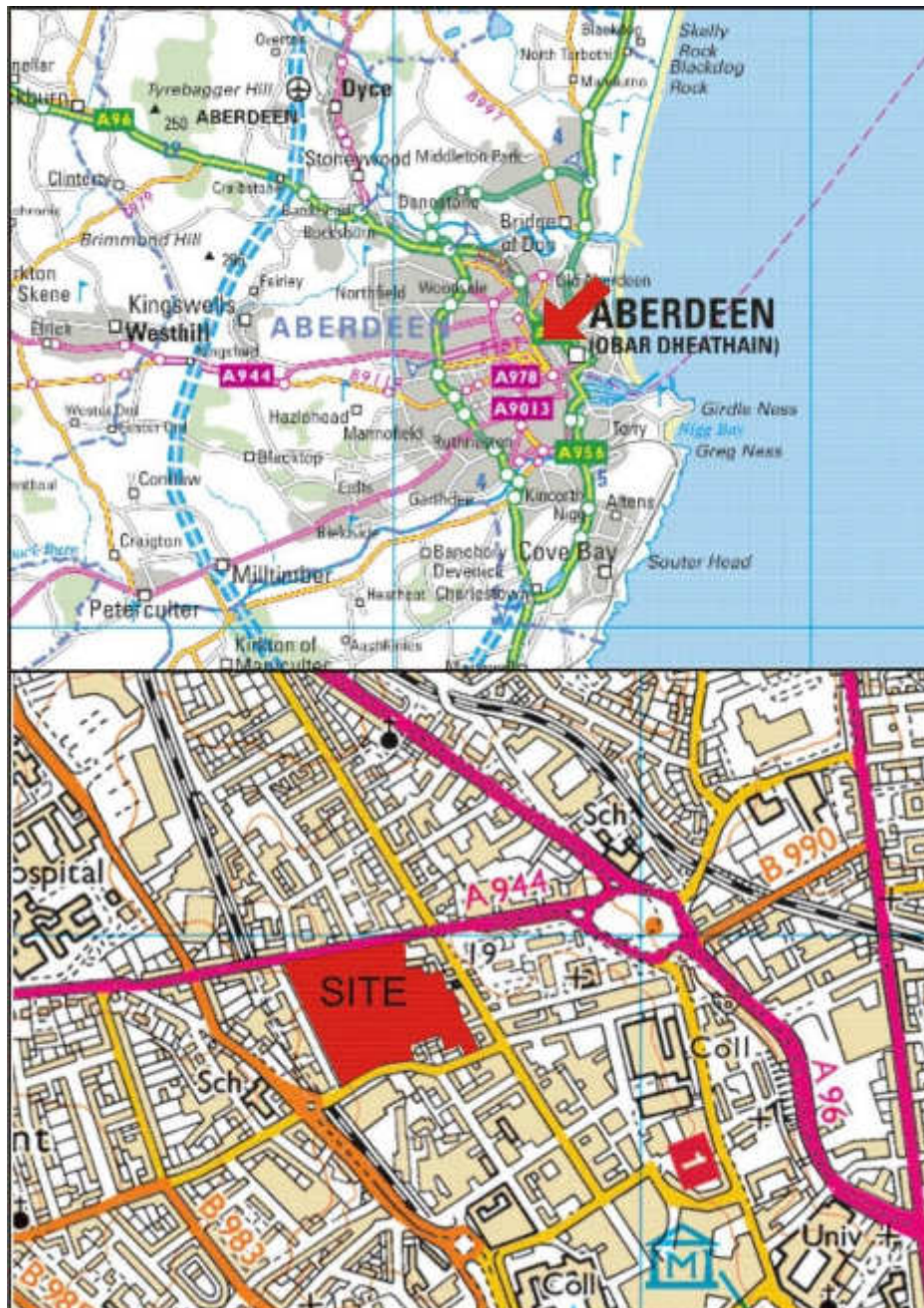
This report is the first stage of that survey work including coverage of all buildings to be demolished in the first stage of the proposed development. A level 2 standing building survey was carried out on Buildings, 18, 19, 23, 27, 30, 47, 51, and 52, a photographic survey on Buildings 29, 92, 93, 94, 99 and 101. Work is to be completed on the survey of several buildings which require to be cleared, cleaned or made safe. Provisional recording has taken place on all building being retained (Buildings 1, 4-7, 20-22, 32, 26, 43-50, 68 and 84-86 but further recording work is required when the buildings are cleared and made safe.

This is the completion of the Phase 1 works for the demolition. Further survey and watching brief/excavation will be required during further phases of the works (ref Bruce Mann, Aberdeenshire Council Archaeology Service)..

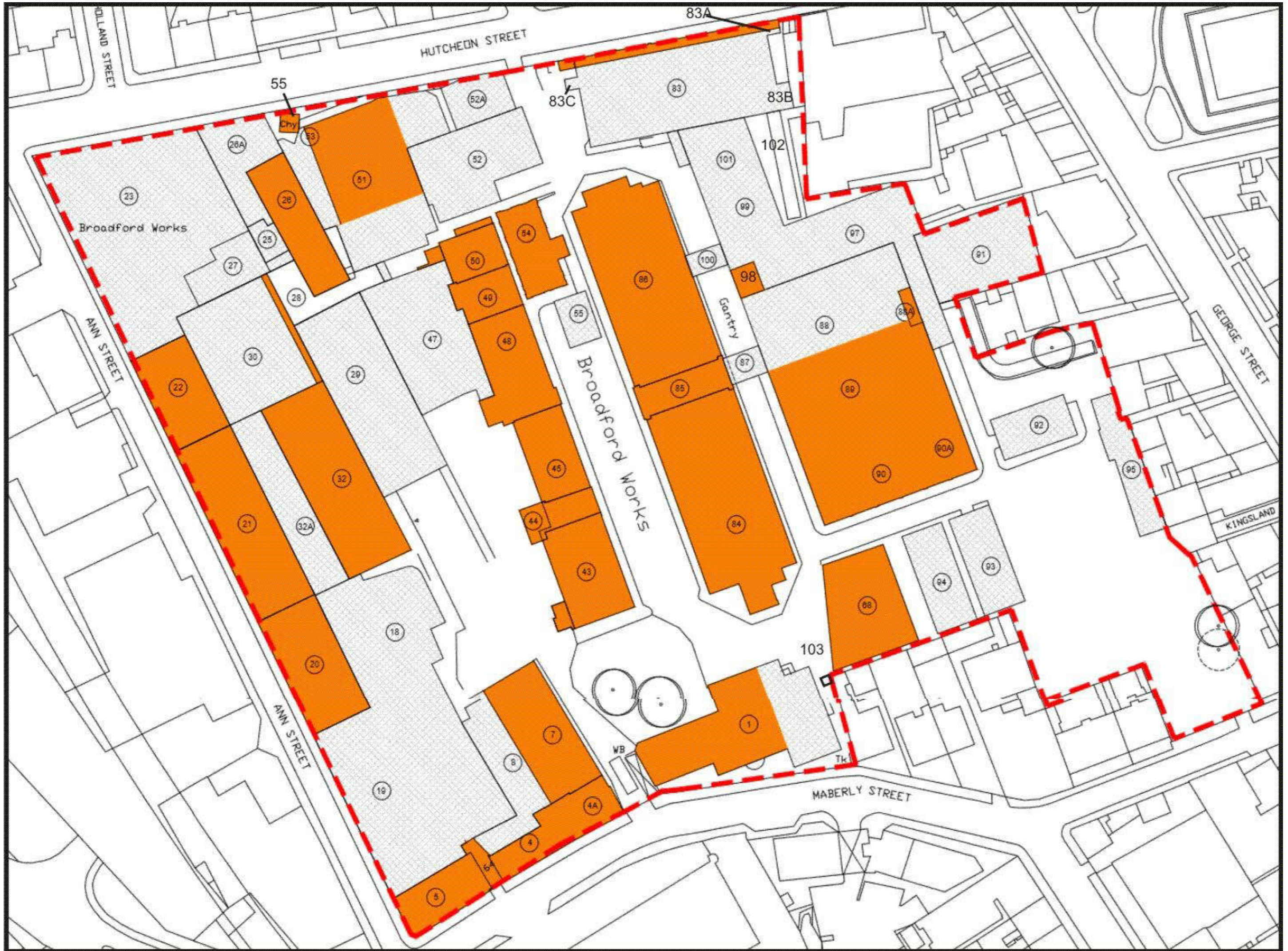


# 1 INTRODUCTION

- 1.1 The site is bounded on the west by Ann Street, on the north by Hutcheon Street, on the south by Maberly Street and on the east by the rear of 325-435 George Street (Illus 1). The site is centred on NJ 93609 06881, at 15-25m OD and in the parish of Aberdeen.
- 1.2 The work was initiated by Bob Reid, Halliday Fraser Munro for First Construction Ltd. Aberdeen City Council planning application P120048 for proposed urban village (Illus 2) was approved on 13.5.13 with archaeology condition (condition 13) and a requirement for a Level 2 Standing Building Survey and watching brief during ground disturbance in the area of the old mill and photographic survey of the more modern buildings.



Illus 1 Location plan (Contains Ordnance Survey data © Crown copyright and database right 2017).



Illus 2 Proposed development area showing building numbers used in this survey (copyright Halliday Fraser Munro)

## **2 ARCHAEOLOGICAL BACKGROUND**

2.1 There are no Scheduled Ancient Monuments within 1km of the proposed development and the site is completely occupied by the former Broadford Works which is Listed Category A (ref 43908).

2.2 Broadford Works was originally constructed by Fenton Murray and Wood of Leeds in 1808 for Scott Brown and Co of Angus, it went bankrupt in 1811 and sold to Sir John Maberly MP, entrepreneur, speculator and introducer of jute to the UK. Maberly rapidly developed Broadford Works, adopting the first gas lighting of an industrial complex in Scotland, by Boulton and Watt in 1814-15, and Scotland's second power loom linen weaving factory in Scotland in 1824. Maberly was himself bankrupt and in 1834 the works passed to Richards and Co, who had a bleachworks at Rubislaw and branches at Montrose and produced canvas tarpaulins and as a particular specialism, fire hoses. In the 1830s the business was taken over by John Baker Richards, a London merchant. Under his ownership and name the company expanded through the 19th century. By the 1880s eight steam engines drove the plant and some 3,000 millhands were employed, once the largest employer in Aberdeen (RCAHMS). The company manufactured linen sheeting, towelling sail canvas, tent cloth and hose web.

2.3 The early mill buildings can be seen on Wood's map of 1828 (Illus 157). Subsequent 19th century additions were probably by inhouse engineers for John Maberly and Richards and Co. Works were effectively completed by large additions of 1904-14 by Wilsons and Walker. It consists of a large group of textile manufacturing and storage buildings, granite and brick-clad, of iron-framed or reinforced concrete construction, with cobbled streets between them.

2.4 In 1898 Richards & Co were forced to suspend business and resumed business after a public flotation as Richards Ltd (Fraser and Lee 2000, 97). They suffered another crisis in 1934 mainly as a result of mismanagement but provoked by a slack trade which necessitated refinancing and imposing a new board of directors and managers (ibid, 111). There were major strikes at the factory in 1901 and again in 1910 and 1911. Richards 'dismissed girls' on more than one occasion for joining the Textile Workers' Union (ibid, 169). Because of lack of profitability the company decided in 1980 to sell off the hose weaving side of the business. This led to the loss of 400 jobs.

2.5 It is the oldest iron-framed mill in Scotland and the fourth oldest known to survive in the world. The adjoining South Mill may be the third iron framed building in Scotland. Built latterly it produced man-made fibres for carpet yarn which replaced flax. The works are listed A (LB43908; 12.1.67) and the chimney on Hutcheon Street was previously listed category B (item 495). 'The Bastille' flax warehouse of 1911-13 on the South Side of Maberly Street is listed separately category B and was redeveloped into flats in the 1990s.

## **3 MAPS, ARCHIVES AND RESOURCES**

3.1 Cartographic sources include NMS online, Aberdeen City Council Archives (see Appendix 4, Aberdeen City Council Museums and Galleries (see Appendix 3), plans held at Cameron and Ross and plans and models created by Halliday Fraser Munro. Other sources researched include newspapers including the Aberdeen Press and Journal, SCRAN, Silver City Vault, photographs taken by Halliday Fraser Munro 1999-2005, RCAHMS (Pastmap and CANMORE online) and all illustrations are given their relevant copyright information in the text.

3.2 The area to become Broadford Works is labelled 'Broadford Meadow Ground' on Paterson's map of 1746 (Illus 155) and a burn runs through the area. The area is farmland in 1789 (Illus 156) and by 1828 a small group of buildings have been constructed on the south side of the area (Illus 157). By 1854 the works are developed on the W side of the site with mill pond at the E (Illus 159). The buildings continue to develop through the 19<sup>th</sup> century with the mill pond labelled 'reservoir' on the First Edition OS map (Illus 161). By the 3<sup>rd</sup> Edition OS map (Illus 166) the reservoir has been infilled and Buildings 83, 84-86 and 88-90 built on the infilled E side of the site.

3.3 Other mapping fills the gaps with specific building plans and the 1929 Insurance plan (not actually located but copy reproduced in Watson 1992; Illus 3) shows the buildings prior to a large 20<sup>th</sup>-century redevelopment at the centre and the E of the site. Details of this map and others held at Cameron and Ross are utilised in this report within the discussion of each building (below).

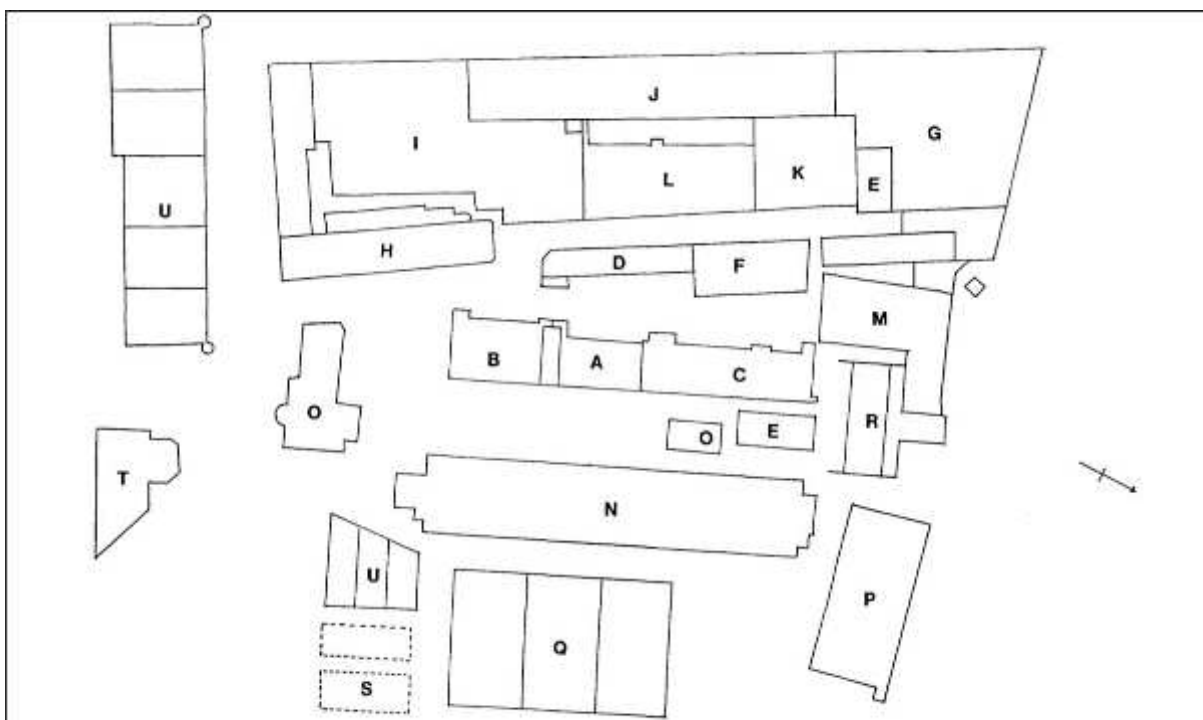


FIG. 8. Broadford Works, from a 1929 insurance plan, updated in 1935, held by Richards PLC.

Illus 3 Broadford Works from a 1929 Insurance Plan, updated in 1935, held by Richards PLC (from Watson 1992)

#### Key to Illus 3

- A: Old Mill (1808) - fireproof spinning mill;
- B: South Mill (c.1820-30) - fireproof spinning mill;
- C: New Mill (c.1860) - fireproof spinning mill, single off-centre row of columns, except at north end, where columns are three deep; (A, B, C re-roofed 1922-3. Stair and lavatory towers were then added, and the boiler and stove house demolished)
- D: Bundling and Twisting, originally hackling (1808, demolished c.1980), fireproof with single row of cruciform columns on ground floor; there is an undated plan showing this building with the N end labelled 'store' and the S end 'Medical Ct'.
- E: Engine Houses - That between the spinning mills, flat-roofed and with heavy cast-iron veiling beams, had a tandem horizontal compound [engine] replaced by electricity in 1935. The twin-beam engine house in the north weaving shed was rebuilt in 1908 for an engine still working in 1935;

F: Mechanic and Joiners Shops (c.1830-60). Demolished c.1980; there is an undated plan showing this building labelled 'stores'.

G: North weaving shed, single storey (mid-19th century). Maberly pioneered power loom linen weaving in 1824 but this appears to be a later building;

H: Hackling Building (c.1860), internally rebuilt with arched concrete floors on steel beams , c.1900. Dressed flax store at north end added 1910;

I: South Weaving Shed (c.1870), extended over basement flax, tow and yarn stores, and hemp breaking and softening department by architects Wilson and Walker in 1909 and rebuilt in the 1980s;

J: Weaving and Weft Winding Mill (1912) by Wilson and Walker, reinforced concrete, brick-clad with flat roof. Cropping and cloth inspection at north end;

K: Calender House (c.1870), lofty single storey and mezzanine for cloth finishing;

L: Sewing Mill (1904) by R G Wilson. Arched floors on iron columns. Steel roof trusses. On the site of three-storey hand loom factory (c.1811-14);

M: Winding and Warping (c.1850 and c. 1880), two- and three-storey timber-sided buildings. Tall square chimney dated 1862;

N: New South and New North Mills (1913), by Wilson and Walker. Carding and preparing and spinning in large fireproof red brick mill, single arches on single row of columns;

O: Offices (19th century) built in at least three phases;

P: Hose Pipe Weaving (c.1900) now blending, internally re-constructed. Two tall cylindrical towers one brick, one concrete, served to test and dry the hose pipes;

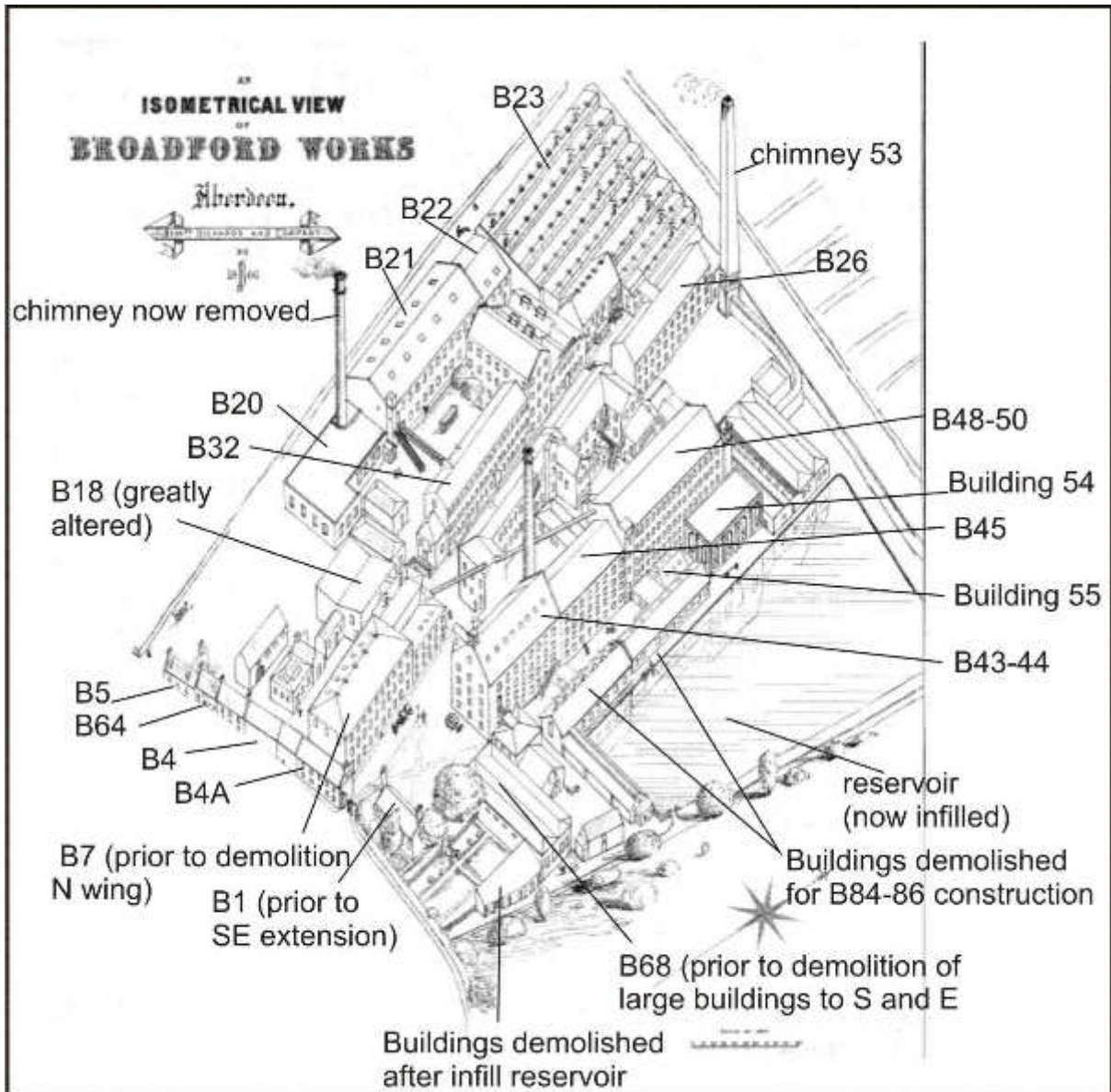
Q: Batching, breaker cards and old machinery store (1913, later extended). Single storey, with fire barriers;

R: Boiler House (c.1862), with later economiser;

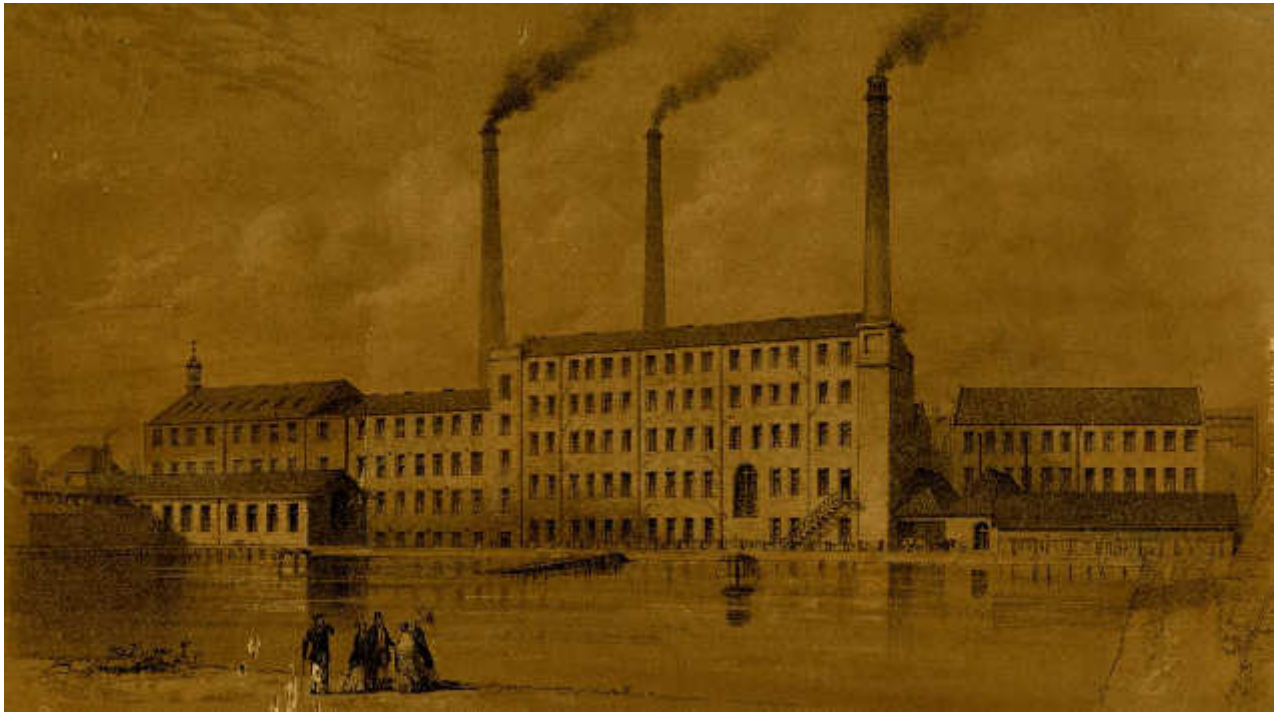
S: Waste Cleaning House and Dust Store (c.1913);

T: Dining Hall;

U: Raw Flax Warehouses. The smaller block is granite clad, c.1870, the larger and turreted brick 'fortress' by Wilson and Walker (1911-13), ferro concrete (Hennebique floors). Each have galleries for external access.



Illus 4 Isometric plan of Broadfords annotated with modern building numbers (copyright Aberdeen Art Gallery & Museums Collections)

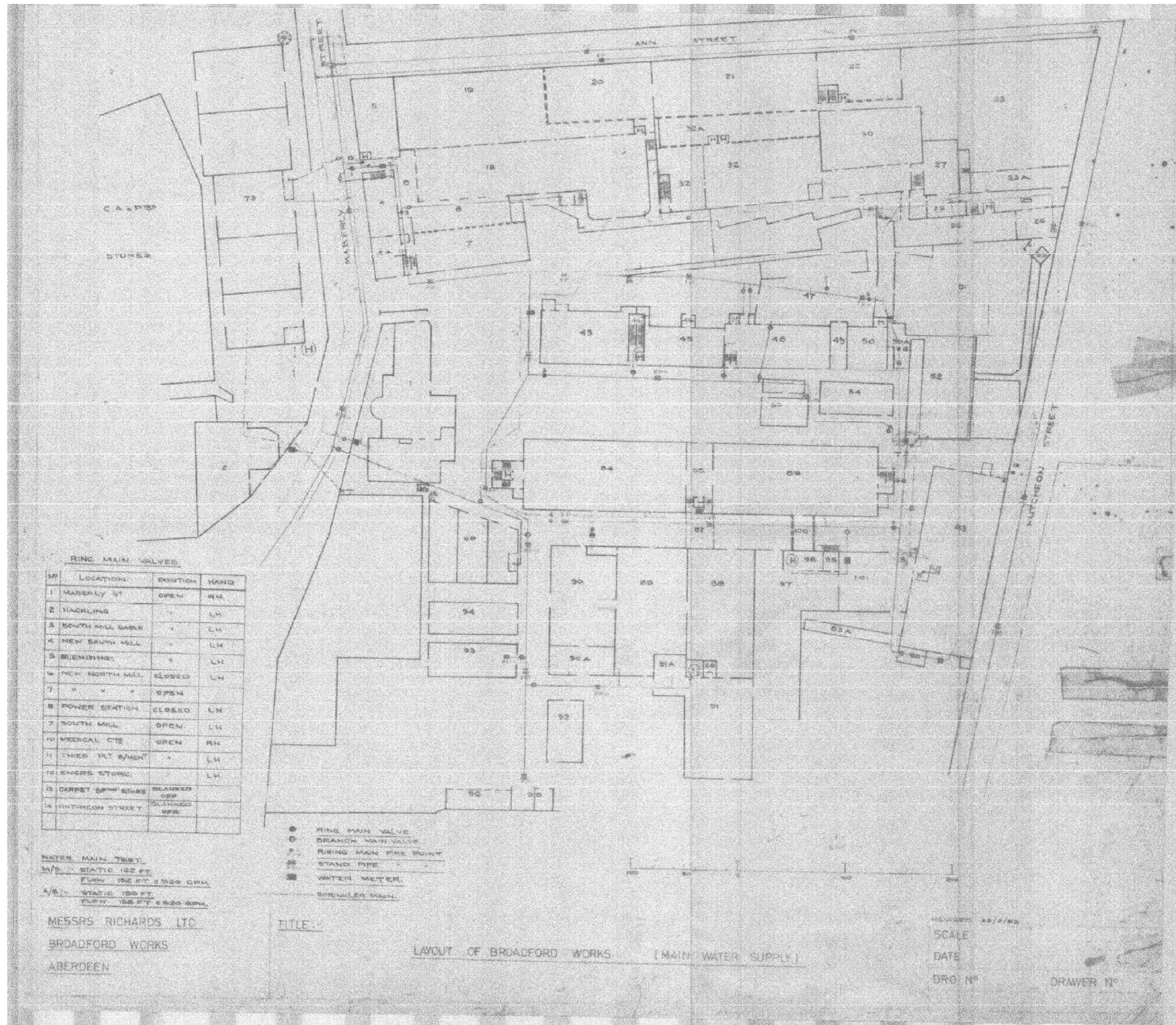


Illus 5 View of Broadford works, dated 1842-1864, Published by J and J Hay from the E showing reservoir now infilled with Buildings 43, 45, 48, 50 (centre). These three chimneys and the left centre and right centre buildings have since been demolished (copyright Aberdeen Art Gallery & Museums Collections)



Illus 6 Undated plan prior to infilling reservoir with modern building plan in red (held at Cameron and Ross)





Illus 7 Layout of buildings update date illegible but after infill of reservoir and extension to Building 1 (held at Cameron and Ross)

## 4 STANDING BUILDING SURVEY

Level 2 Standing Building Survey of the older buildings and a photographic survey of the more modern buildings between 2 October 2015 and 11 January 2017. Photographs of all internal and external elements were taken where access was possible. Plans and elevations supplied by Halliday Fraser Munro were utilised and checked and a series of plans and elevations created for buildings which are to be demolished as these were not included in the surveyor's drawings. A summary of each building follows and details of further work appears in Recommendations (below).

### 4.1 Building 1

Building 1 (Illus 8) was the works offices on the S side of the complex on the Maberly Street frontage (CANMORE ID NJ90NW 125.5). It is 47m long (W-E) and 22m wide. It is mainly one storey with a basement and partial first floor. It is constructed of tooled quarried granite blocks with granite sills and lintels and semi-circular granite feature with wedge-shaped date stone (1902/1920; Illus 9) on the N façade. This building appears on a plan pre infill of the reservoir and therefore must be 1902 (Illus 13). The S Maberly Street façade has a bay window (W1/27) but this elevation is not accessible during the survey because of overgrown vegetation. The building is surrounded by granite cobbled surface and was the main offices for the factory but may have been a Manager/Owner's House in the first phase. One room (The Board Room; Illus 12) on the S side of the building has bay window, fireplace, parquet flooring and plaster decorated ceiling.

The building has been divided into many small offices and there is a series of windows on all facades. There are 17 windows on the S façade and 14 on the N façade. There is a small area of first floor accommodation and a small cellared area.

On the W end of the building is a cast iron and wood extension (Building 1A, 11 x 3m in size; Illus 11) which is accessed from Maberly Street through granite gate (F46, see below) and Building 1A a gatehouse adjacent to the weighbridge (F23).

There is a concrete blockwork extension on the E end of the building (Illus 8, 13) which is to be demolished; a plan dated 1968 shows the plans for this extension (plan held at Cameron and Ross).



Illus 8 Building 1 N façade gable with date stone (1902) with 1960s extension (left), facing SSE



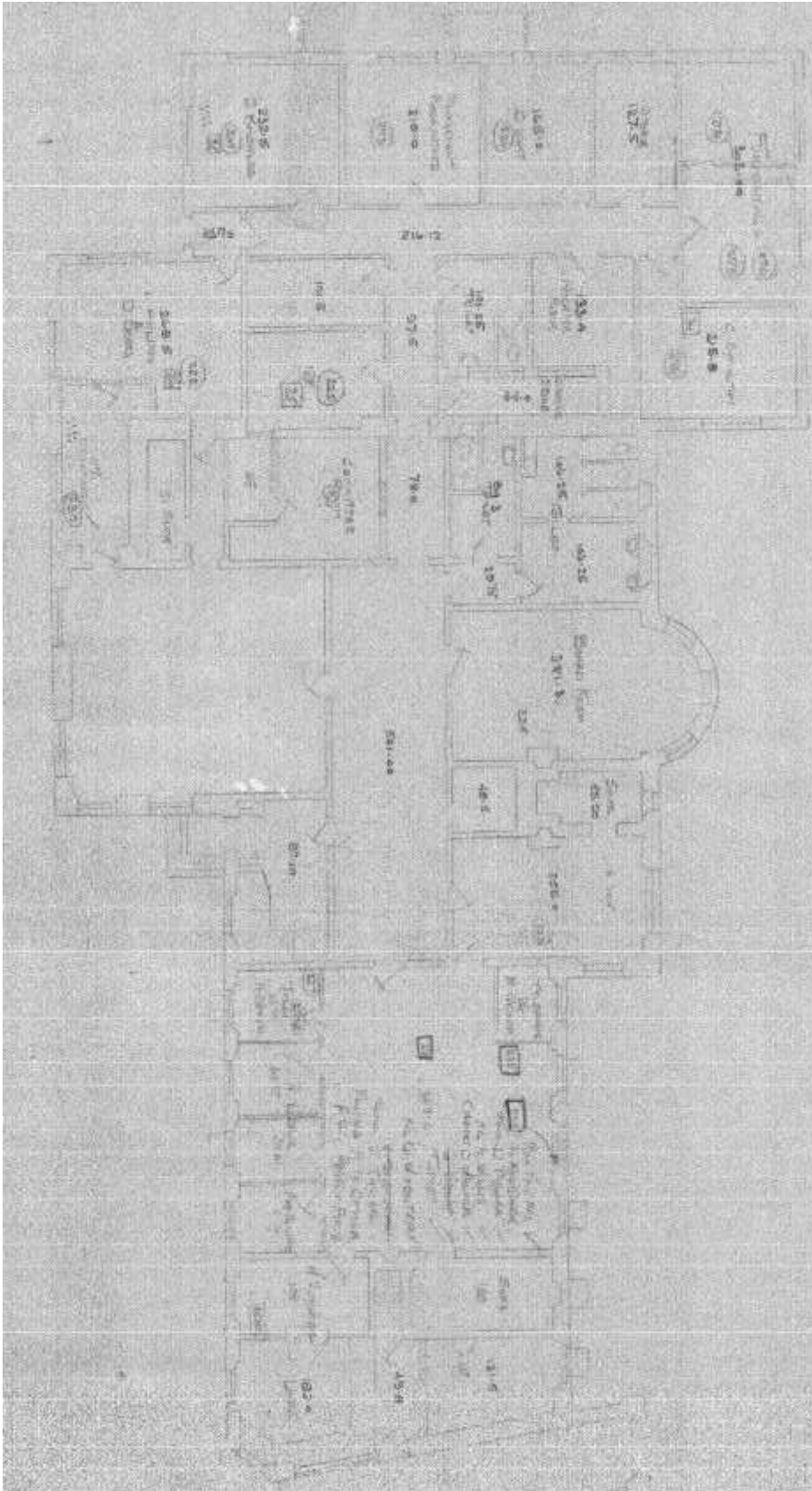
Illus 9 Building 1 N gable with decorative granite work and date plaque '1902'; Facing SSE



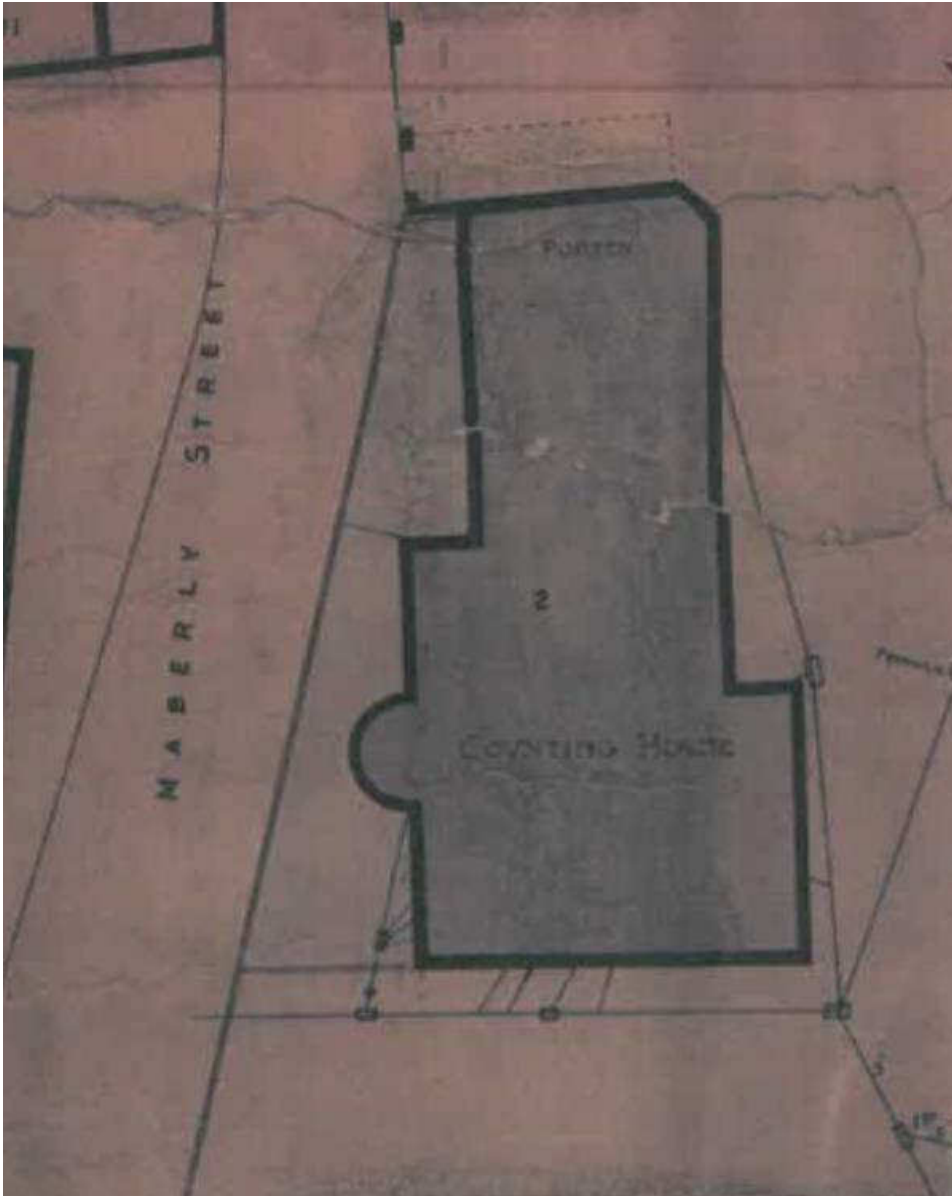
Illus 10 Building 1 Board Room W1/27 interior showing parquet floor and plaster ceiling; facing SSE



Illus 11 Building 1A cast iron and wood lean-to extension, gate F46 lead through this building which was presumably the main employee entrance leading into complex; facing SSE



Illus 12 Building 1 undated layout showing 'board room' and names of staff occupying offices (held at Cameron and Ross)



Illus 13 Detail of undated plan pre-infilling of reservoir pre-1914 showing Building 1 'Counting House' with 'Porter' at W end pre extension and confirming 1902 date stone (held at Cameron and Ross)

## 4.2 Buildings 2 and 3

Numbers not in use.

## 4.3 Buildings 4, 4A, 5, 7, 64

Hackling (or heckling; last stage of flax production where combs are drawn through the flax to split and straighten; CANMORE ID NJ90NW 125.1 and 2687; Illus 14-19). Building the S gable on Maberly Street, completed c.1860, internally rebuilt with arched concrete floor on steel beams about 1900. L plan ranges of two distinctive styles or phases. Building 4a is a three storey block on the SW side of the gateway from Maberly St. It is constructed of granite blocks. Granite arched lintels on 2<sup>nd</sup> floor throughout and ground floor Building 4A (Illus ). Building 7 (H on 1929 Insurance Plan; Watson 1992; Illus 3) was a dressed flax store was added to the N end in 1910 but this has since been

demolished. Buildings 5 and 64 have brick-blocked apertures on Ann Street frontage and internally possibly blocked in 1910. Also at this time the floor was replaced between ground and lower ground floor level; it is poured and shuttered concrete construction (Illus ).

The L-plan structure is constructed of quarried granite blocks with cherry cocking. The Phase 1 window and door mouldings are all granite with arched granite lintels for Building 4A and 5 (Illus 14, 17). Building 4 is L-shaped 23m long and 7-10m wide. It is attached the E end to rectangular building 4A which is 13.5 x 10m in size. Building 7 is attached to the N end of Building 4A and is 31m long and 14m wide. Modern building 8 has been built onto the W side of Building 7 and this allows little access to the W side of Building 7, including the tower. Building 64 is a small link building, 4 x 7m in size between Buildings 4 and 5. Building 5 forms the corner of Ann and Maberly Streets and is 22 x 11m in size. It has a rounded corner at the street junctions (Illus 14-15). Building 5 has small 1<sup>st</sup> floor windows and semi-circular arched granite windows on the 2<sup>nd</sup> floor (Illus 14). The main access to these buildings is from the interior of the works but there is a brick blocked door on the W gable of Building 5 (D5/1) and a large vehicle access and smaller pedestrian door on the S face of Building 64 (D64/1 and /2).

There is a plan held at Cameron and Ross showing the Personnel Administration Block ex Hackling Building which shows the plan of Building 7 prior to the demolition of the N end (Building H on 1929 Insurance Plan, Watson 1992; Illus 3) dated 23 Nov 1976. The N extension of Building 7 has been demolished since then and the harled N wall of this building is a result of this demolition. There is a tower on Building 7 which is not accessible at time of writing and there is limited accessibility to the interior (Illus 18-19) which has cast iron columns supporting cast iron beams. The N elevations which have been built into Buildings 8/18/19.



Illus 14 Ann St/Maberly St junction with Building 5 (left) Buildings 64, 4, 4A (right) showing brick-blocked door D5/1 (left); facing NE



Illus 15 Building 5 rounded corner junction Ann Street and Maberly Street; facing NE



Illus 16 Building 5, 64, 4, 4A, 7 (L-R; facing WNW)





Illus 17 Building 4A window W4A2 (left) and Door D4A/1 (right); facing WSW



Illus 18 Windows W5/17, 18, 19, 20, 21 (R-L) interior showing brick relieving arches, cast iron pillars and beams and poured shuttered concrete ceiling; facing SW



Illus 19 Building 7 lower ground floor showing brick blocked door D5/1, cast iron circular section columns and shuttered poured concrete ceiling; facing WSW.

#### 4.4 Buildings 18 and 19

Buildings 18 and 19, the 'south weaving shed' were constructed c 1870 (NJ90NW 125.11) and were extended over basement flax, tow and yarn stores, and hemp breaking and softening department by architects Wilson and Walker in 1909 and rebuilt in the 1980s. The buildings are two storied and constructed of quarried granite blocks with cherry cocking with many original apertures (Illus 20) with granite sills and lintels. Areas of the older building survive but much is concrete. The east frontage is granite with rounded corners and decorated corner pediments (Illus 22-23). There is a series of original doors and windows with newer apertures inserted into the first floor level and a larger doors added on the ground floor (Illus ). There are small upper windows on the N wall with cast iron surrounds marked 'Fraser' (F35 and F36). These are not accessible but in other areas of the works they contain mechanism for services.

Buildings 18 and 19 are 67m long and a maximum of 40m wide. The interior floors area supported on square sectioned cast iron columns (Illus 24). They were separate buildings but have been combined internally. There is an undated plan (but pre-dating 1980) held at Cameron and Ross which shows the N area of Building 18 marked as 'yarn store'.



Illus 20 Building 18 E façade; facing WNW



Illus 21 Building 19 (left) and 18 (right); facing WSW



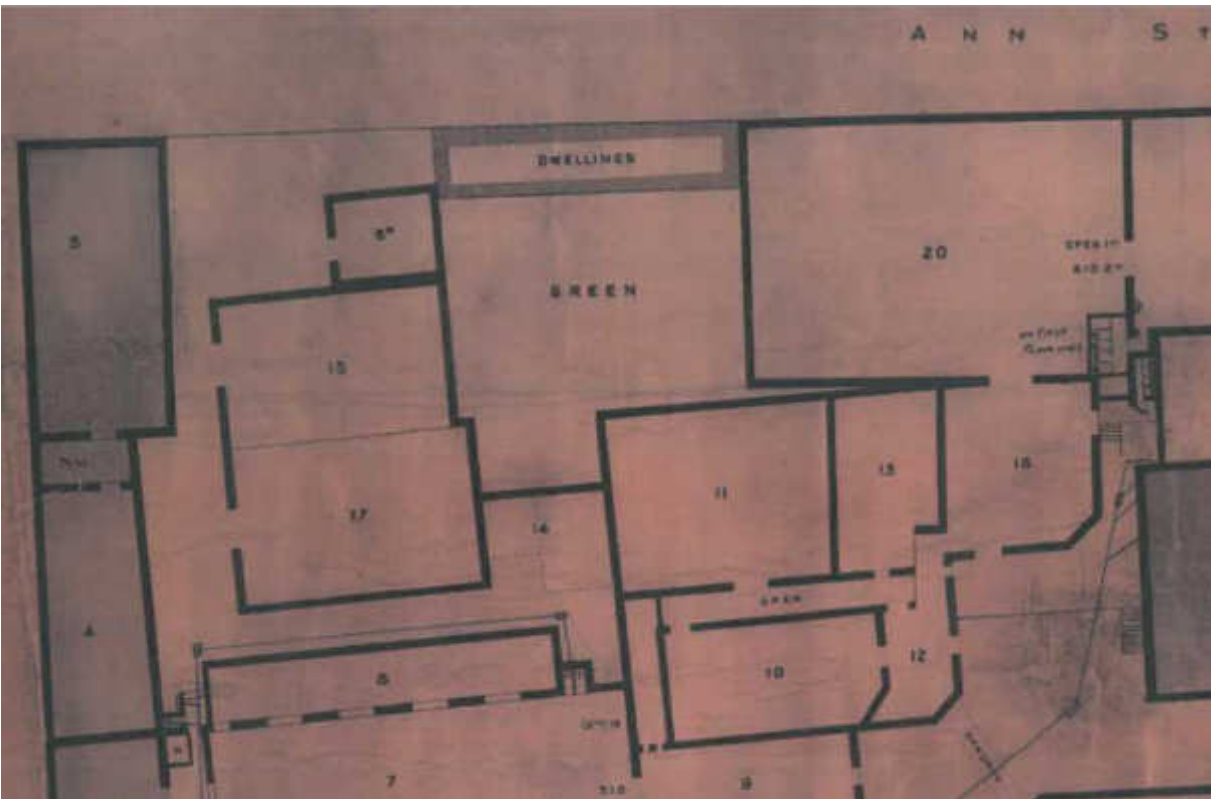
Illus 22 Building 18, detail of SE rounded corner with granite pedestal above; facing NW



Illus 23 Building 18, detail of NE rounded corner with granite pedestal above; facing SW



Illus 24 Building 18 interior E wall W18/8 (right), D18/5 (centre) W18/9 (left). This was latterly the yarn store; facing NNE



Illus 25 Detail of undated plan of buildings pre infilling of reservoir (pre 1914) showing buildings 5\*, 9, 10, 11, 12, 13, 14, 15, 17 were demolished to make way for extending Buildings 18 and 19 (held at Cameron and Ross)

#### 4.5 Buildings 20, 21, 22

Building 20 was constructed for weaving, Building 21 for weaving and weft winding and Building 22 for cropping and cloth inspection (J on 1929 Insurance plan; NJ90NW 125.11) built 1912 by Wilson and Walker of reinforced concrete, brick clad with a flat roof (Illus 26). Buildings 20, 21 and 22 are all 15m wide; Building 20 is 28m long, Building 21 is 45m long and Building 22 is 25m long. They front onto Ann Street at the W side of the works. They are all three storeys with a basement level under Building 21. There are large windows along all elevations allowing a large amount of natural light into the buildings.

Building 20 and 21 probably built in one phase. There are concrete octagonal pillars (Illus 30-33) with concrete ceilings throughout the buildings. Exterior white bricks on E façade and red brick on W (Ann Street) façade (Illus 28-29) with arched windows with red brick lintels and grey bullnose brick sills (Illus 27). Buildings 21 and 22 have red brick lintels and sills. Building 21 was completed before construction of Building 22 concrete stair. F51 inspection hatch inscribed FRASER (Illus 34) on N wall Building 21 probably originally on exterior wall and partially covered by Building 22 stair F52. There is a cast iron stair access to the roof adjacent to window W21/14 (F53; Illus 29),



Illus 26 Ann Street façade, Building 19 (right), Building 20, 21, 22 (left); facing NNE



Illus 27 Building 20 W Ann Street façade window W20/1 showing arched window with grey brick sill and red brick arched lintel; facing ENE



Illus 28 Building 21 N façade clad with white bricks; facing NNW



Illus 29 Building 21 E façade cast iron stairs to roof (F53) and detail of window W21/14 clad with white brick; facing W



Illus 30 Building 21 basement showing octagonal concrete pillars and roof structure





Illus 31 Building 20 1<sup>st</sup> floor; facing NNW



Illus 32 Building 21 2nd floor E wall windows W21/8, 9, 10, 11, 12 (L-R) with concrete octagonal pillar and concrete roof; facing ENE



Illus 33 Building 20 3<sup>rd</sup> floor showing concrete octagonal section pillars and concrete ceiling; facing SSE



Illus 34 N wall Building 21, cast iron framed inspection hatch with FRASER inscribed on lintel (F51) partially covered by later internal stair to Building 22; facing S

## 4.6 Building 23

Building 23 was the north weaving shed (Building G on 1929 insurance plan; NJ90NW 125.11) built in the 19<sup>th</sup> century. It was one storey (Illus 35) and probably replaced a building which housed powerloom linen weaving pioneered by Maberly in 1824 (Watson 1992, 232). It is 55m along the Ann Street façade and 40m along the Hutcheon Street façade (Illus 36) and the wall on Ann St is 4m high with two window apertures and one door. The exterior walls are granite blocks with cherry cocking. The Hutcheon Street façade is split into 5 gables and there are three windows (W23/1, /2, /3). There is a new roof on the building.



Illus 35 Building 23 corner Ann Street and Hutcheon St showing single storey granite structure with D23/1; facing NNE



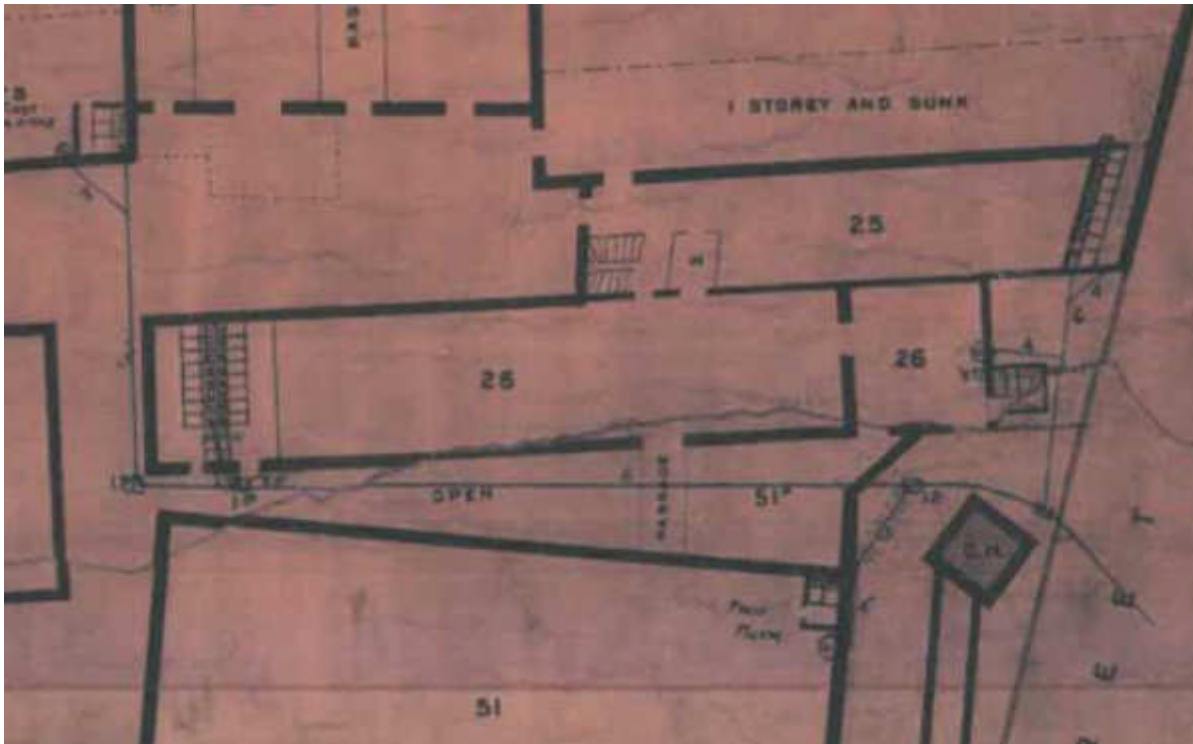
Illus 36 Building 23 N façade on Hutcheon St with W23/3, /2, /3 (L-R); facing SSE

#### **4.7 Building 24**

Building number not in use.

#### **4.8 Building 25**

This is a small section of building between Building 26 to the E and Building 27 to the W. It was originally a larger building parallel to Building 26 (Illus 37) and extending to Hutcheon Street but this area is now occupied by Building 26A.



Illus 37 Detail of undated plan predating infilling of reservoir before 1914 showing Buildings 25 and 26 originally extending farther N to the Hutcheon St frontage (held at Cameron and Ross)

#### 4.9 Building 26 winding and warping

Winding and warping department (CANMORE ID NJ90NW 125.12), built in two stages, c.1850 (Building 26; Illus 38-39) and c.1880. Building 26 is not labelled on the 1929 Insurance and is included in the Winding and Warping department on CANMORE. The building is rectangular, 34.5m long and 9.5m wide, three storeys high with granite lintels and sills.

There is little access to the exterior at time of writing and no access to the interior because of former fire damage.



Illus 38 Building 26 SSE gable W26/2 (left) 26/3 (right) and cast iron bracket F28 (bottom right); facing NW



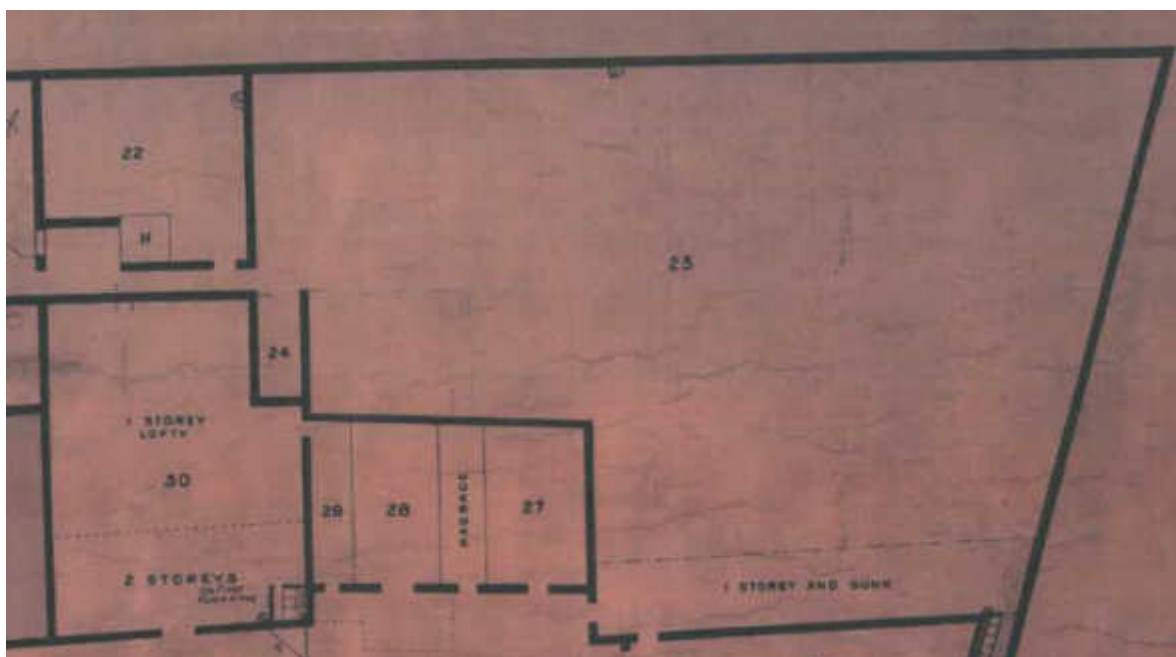
Illus 39 Building 26 W wall showing fire damage with W26/9, /10, D26/1, W26/12 (top L-R) and W26/16, /17 (bottom L-R); no access so far; facing E

#### 4.10 Building 26A

This building was formed from rebuilt Building 25. There is a double gable onto Hutcheon Street constructed of granite blocks and partially rendered. There are four windows in the N façade (W26A/1, /2, /3, /4).

#### 4.11 Building 27

Marked E on 1929 Insurance plan this was the engine houses between the spinning mills with a flat roof and heavy cast iron ceiling beams which was replaced by electricity by 1935. It has mainly been subsumed into Building 23 and forms the SE corner of this building (Illus 40).



Illus 40 Detail of undated plan predating infilling of reservoir before 1914 showing Building 27 was originally in four sections (27, passage, 28, 29 N-S), Buildings 22, 23 and 30 (held at Cameron and Ross)

#### 4.12 Building 28

Building 28 is marked on the modern map as the open area between Building 26 to the E, 25 to the N, 30 to the W and 29 top the S; there is no building on the ground now but this was originally one quarter of what is now Building 27 (Illus 40).

#### 4.13 Building 29

Modern (post 1980) loading bay, photographed only (Illus 41). The number Building 28 was originally one quarter of what is now Building 27 (Illus 40).



Illus 41 Loading bay Building 29 (centre) with Building 32 (left) Building 47 (centre right), Building 49 (right); facing NNW

#### **4.14 Building 30**

Building 30 (K on 1929 Insurance plan) was the Calendar House, built c 1870 a lofty single storey building with mezzanine (Illus 42-3) for cloth finishing (not accessed due to fire damage); calendaring is the process of finishing textiles usually by passing the textile under rollers at high temperatures and pressures. The W wall of the building is granite blocks and cherry cocking and abuts the E wall of Building 22, the N wall is of brick and abuts Building 27 and the S wall abuts the N wall of Building 32. The E wall is of granite and has a series of doors and windows with granite lintels and sills (Illus 43) mostly original to the building apart from two large Phase 2 doors (D30/1, /4) which have been inserted to allow greater access to the building. There is a series of round section cast iron columns internally (Illus 44).

The loading bay Building 29 has been attached to the E façade of Building 30 (Illus 42).





Illus 42 Building 30 E façade D30/1, W30/2, /3, D30/4 (L-R); facing NNW



Illus 43 Building 30 ENE wall with Building 26 (left) and metal roof of post-1980s loading bay Building 29 (left centre); facing S



Illus 44 Building 30 interior N wall with door D30/10 showing granite W wall, brick N wall and replacement roof; facing NW

#### 4.15 Building 31

Building number not in use.

#### 4.16 Building 32

The sewing mill was built in 1904 and designed by R G Wilson. Arched floors on iron columns with steel roof trusses. The building stands on the site of a three-storey hand loom factory dated, c.1811-14. The building is constructed of granite blocks with cherry cocking (Illus 45); it is 37 x 16.5m in size with five floors including a full height attic floor. The bays are divided with round sectioned cast iron columns (Illus 47) and there are large windows on the all facades. The W aspect is not accessible at the present time as the area between Buildings 32 and 22 have been infilled with structures (which are to be removed). There is a full set of large windows on all facades allowing natural light to access the building. The ground and 3<sup>rd</sup> floor windows are arched granite (Illus 46) and the 1<sup>st</sup> and 2<sup>nd</sup> floor are square topped. There is a main central door on the E facade and smaller door accessing the stairwell on the S gable; there is no access to the W façade of this building due to the construction of Building 32A and little access to the N gable because of the construction of Building 30. There is a round window on both of the 4<sup>th</sup> floor (attic) gable ends (W32/17) constructed of alternating panels of granite block and brick infill (Illus 50-51).

The W end of Building 32A is the basement/ground floor level between Buildings 32 and 22. There is also a small basement area accessed down the main SE stair (Illus ); it is full of paperwork and rubbish and was only partially accessed.



Illus 45 Building 32 E wall D32/7 (centre) with W32/5, 6, 8, 9 (L-R); facing WSW



Illus 46 Building 32 window W32/2 showing granite sill and arched granite lintel; facing WSW



Illus 47 Building 32 ground floor interior E wall showing round cast iron pillars and beams; facing SE



Illus 48 Building 32, 30 built into loading bay Building 29; facing NW



Illus 49 Building 32 ground floor WSW wall leading to basement Building 32A and Building 21; facing W



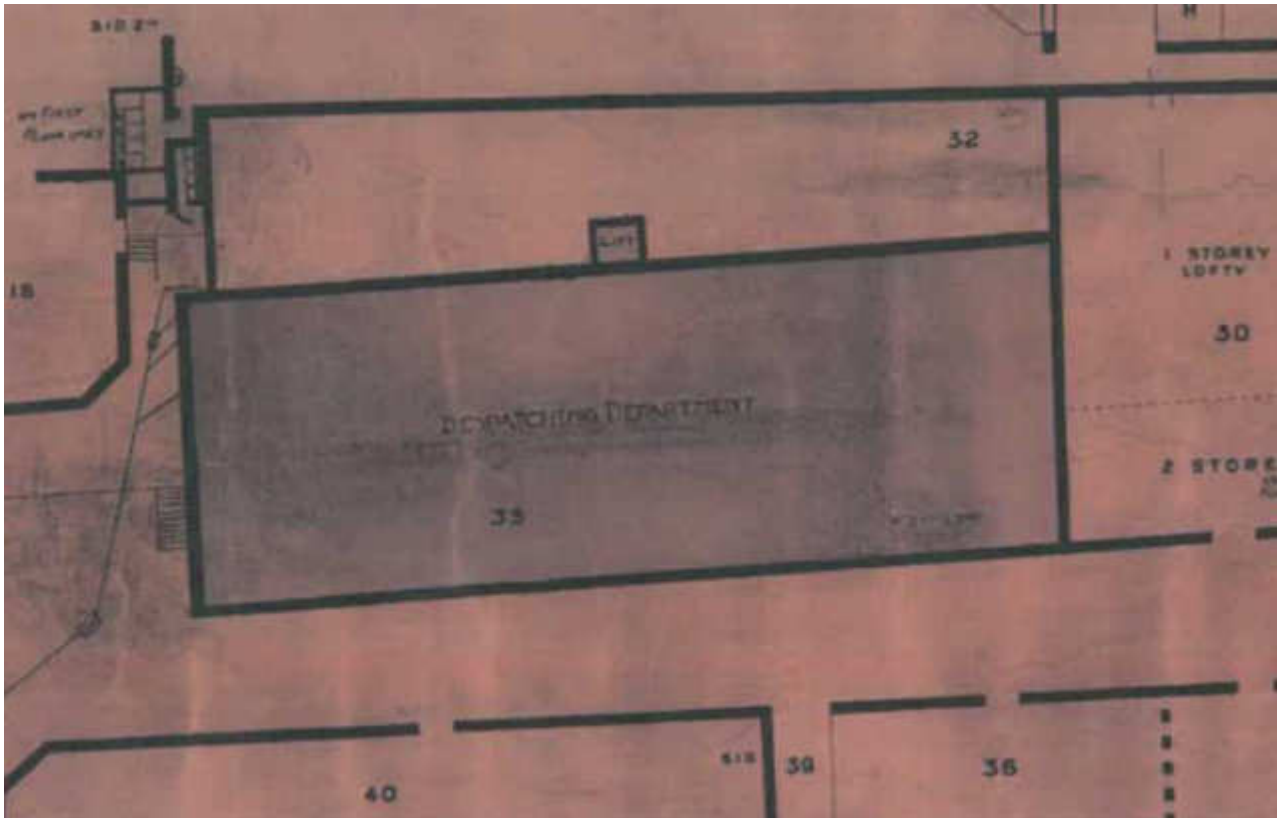
Illus 50 Building 32 4th floor window W32/17; facing NNW



Illus 51 Building 32 4th floor window W32/17 showing stone and brick detail; facing NNW



Illus 52 Building 32 SE staircase with window W32/20; facing E



Illus 53 Detail of undated pre-infilling of reservoir pre-1914 showing slightly different configuration of Building 32 (then labelled 33) to E labelled 'despatching department' (held at Cameron and Ross).

#### 4.17 Building 32A

Basement between Buildings 32 and 21. This was called Building 32 on undated plan pre-dating infilling of reservoir pre-1914 (Illus 53).

#### 4.18 Building 33-42

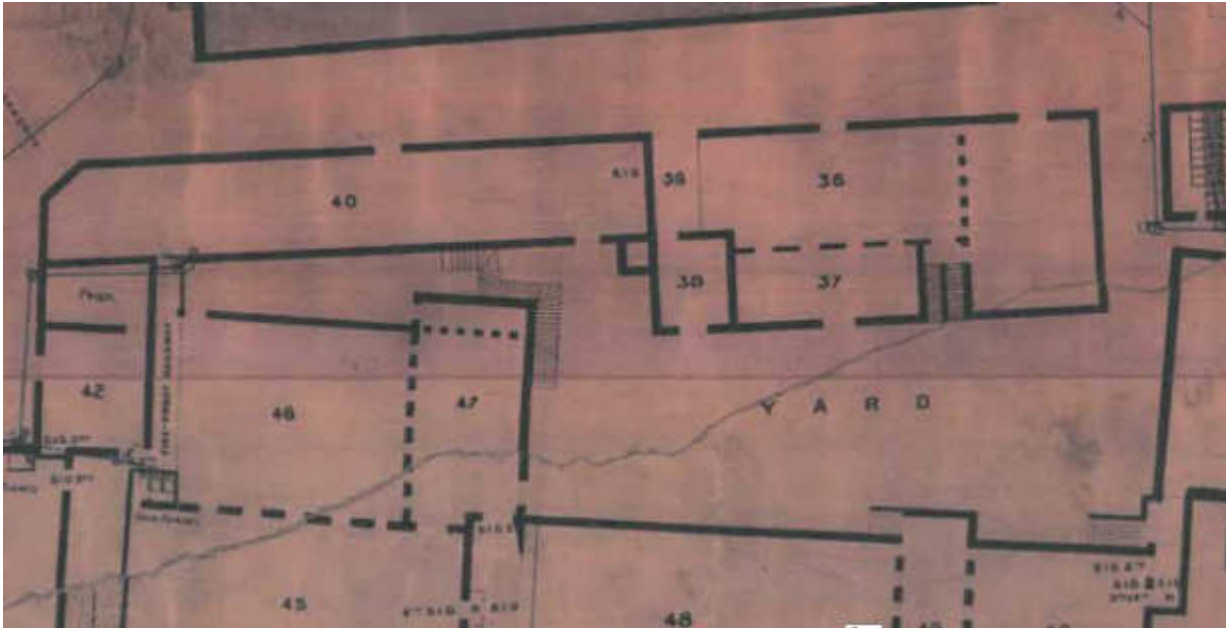
Building 33 is now Building 32 and was 'Despatching Department' on undated plan drawn prior to infilling of reservoir before 1914 (Illus 53).

There is no record of the location of Buildings 34 and 35.

Buildings 36-40 which were demolished to make way for rebuilding Building 47.

Building 42 was removed W of Building 45 to make access into yard W of Buildings 43-50.

No record of Building 41 but it may be the unlabelled room between Buildings 40 and 42 (Illus 54).



Illus 54 Detail of undated plan pre infilling of reservoir prior to 1914 showing Buildings 42, 46 and 47 attached to the W side of Building 45 and Buildings 36-40 which were demolished to make way for rebuilding Building 47 and then construction of loading bay Building 29 (held at Cameron and Ross).

#### 4.19 Building 43

Building 43 'the south mill' is an extension to the fireproof spinning mill added in 1820-30 (Illus 55-56). It is 24 x 15.8m in size and constructed of granite blocks and cherry cocking. At the N end there is a stone lift and stair block (Building 44) with associated brick bathroom block on the W façade. There was a bell cote on the S gable which has since been removed and its current location is unknown. There is a mechanism for ringing the bell on the interior of the 4<sup>th</sup> floor gable of this building above window W43/6 (Illus 57)





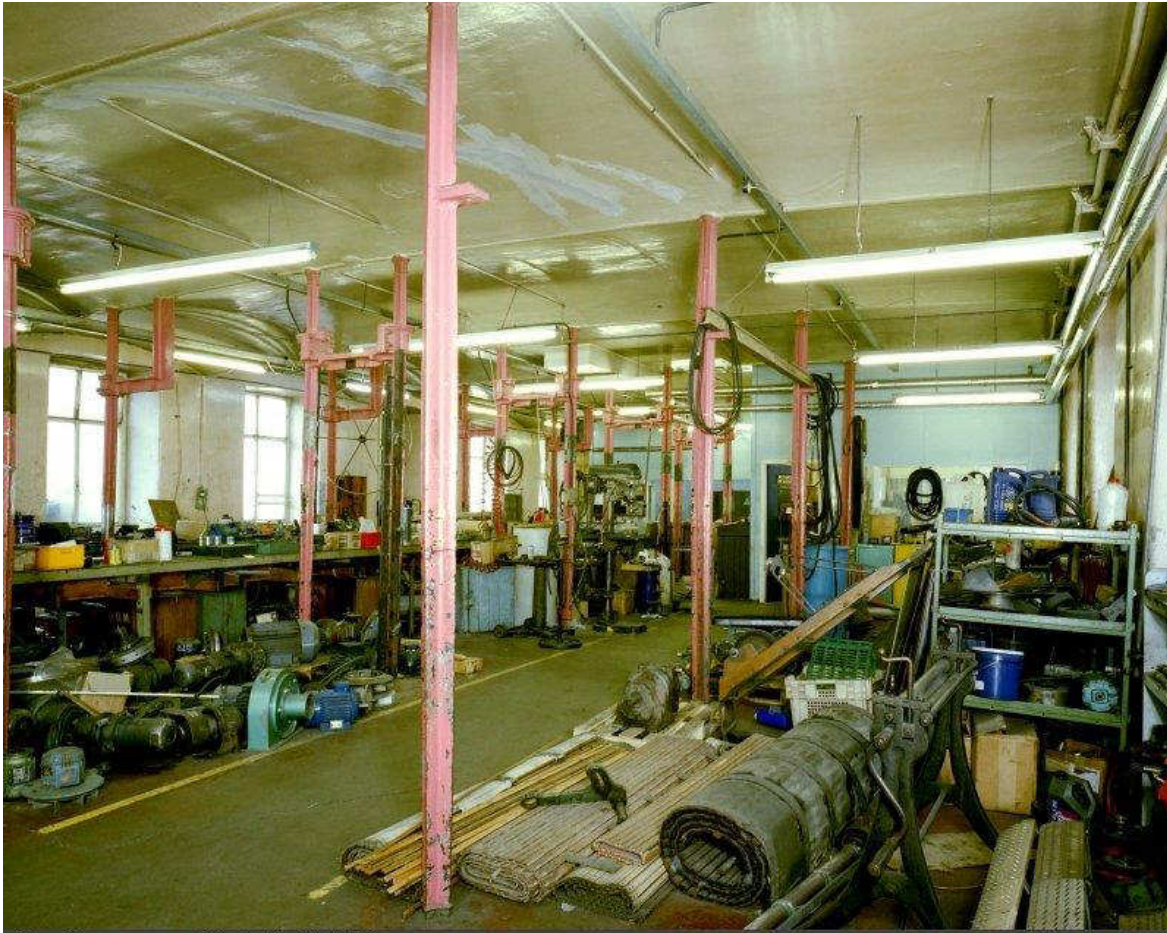
Illus 55 Buildings 43-50 from Hutcheon St; facing SSW



Illus 56 Buildings 43, 44, 45, 48 from roof Building 21; facing ENE



Illus 57 Building 43 4th floor attic with window 43/6 and bell ringing mechanism for bell cote F32 (above window but now removed) ; facing SSE



<https://canmore.org.uk/collection/903110>

Illus 58 Interior Buildings 43-50. Ground floor workshop area from SE. (copyright RCAHMS SC00903110).

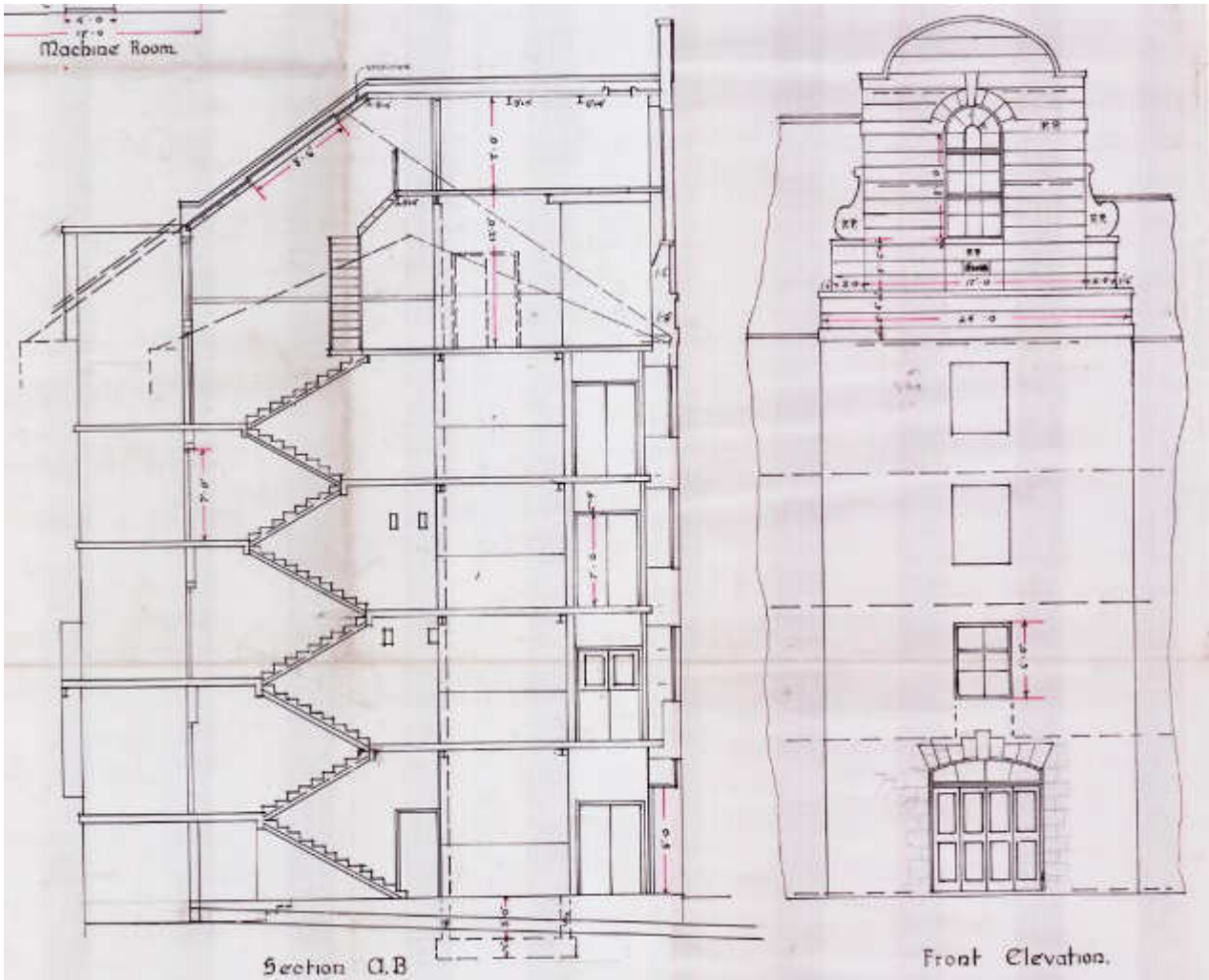
#### 4.20 Building 44

Building 44 is the link staircase building between Building 45 the old mill and 43 the south mill. The stone staircase and lift shaft is 14 x 6m in size and the brick extension on the W façade is 9 x 6m in size.

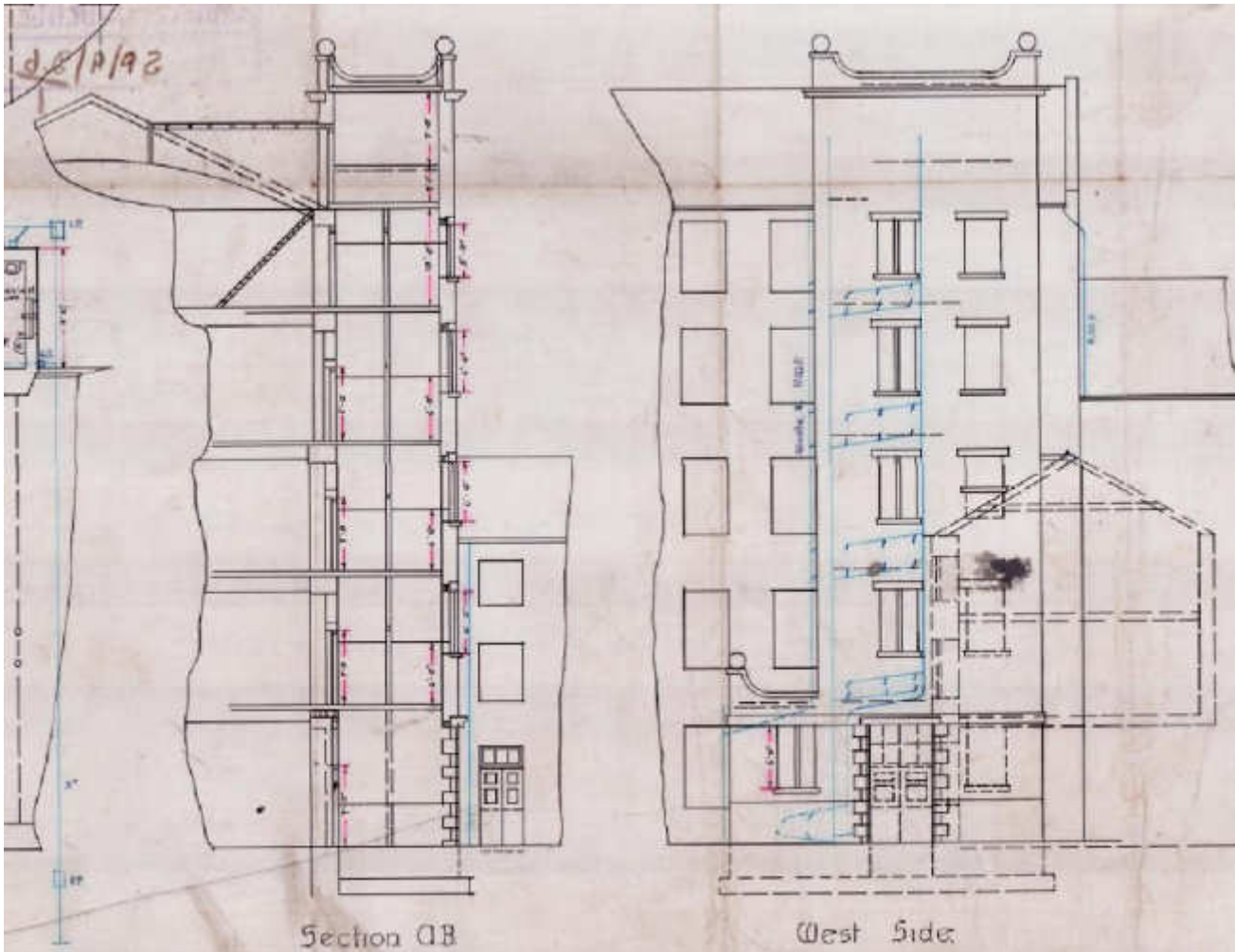
The stone ENE façade appears to have been added in the between 1917 and 1926; it is not present in the 19<sup>th</sup>-century isometric view (Illus 4) and there is are plans and elevations dated 22 March 1917 and 29/9/26 showing the plans for the rebuilding of the ENE elevation and brick extensions for toilets on the WSW elevation (Illus 56, 60, 61). These buildings were called the patent mill on plans dating to the 1920s.



Illus 59 Building 48 stair tower; facing WSW



Illus 60 Plan and ENE elevation dated '29/9/26' showing stone stair tower, old mill Building 44 (plan held by Cameron and Ross)



Illus 61 Plan and WSW elevation dated '29/9/26' showing 'Hoist and Latrines, Patent Mill, Richards Ltd' (Building 44; plan held by Cameron and Ross).

#### 4.21 Building 45

Building 45 is the oldest surviving on the site dating to 1808 (NJ90NW 125.13); there is little access to this building at present and there is rubbish and discarded furniture throughout the building. The 'Old Mill' is a fireproof spinning mill (Illus 62-3). The oldest iron-framed mill in Scotland and the fourth oldest known to survive in the world. It is 21.5 x 12.5m in size and four floors high. There are rectangular windows on the E and W facades and there are later additions to the N and S ends of this building. The interior has brick arched ceilings between cast iron beams supported by rows of four cruciform cast iron columns (Illus 64). The structure of the building is in poor condition with broken lintels, subsidence and props and metal frames for windows to support the structure.

Plans survived in the archive and are reproduced in Watson 1992, 231-6; Illus 3.



Illus 62 Building 45 (centre) W façade with brick extension B48A (left) and B44 (right); facing NE



Illus 63 Building 43 south, 44, 45, 48; facing NW



Illus 64 Building 45 cruciform cast iron pillars and arched brick ceiling

#### 4.22 Building 46

Building removed for extension of Building 47.

#### 4.23 Building 47

Building 47 is a brick two-storey structure butted in to the W façade of Buildings 48-50. It is 7-9m wide and 16m long and is primarily a brick structure. There are N and S gables (Illus ) with large ground and first floor doors and windows on the S façade with doors and windows on the ground floor of the N elevation. There is also a wooden walkway (F21; Illus 67) from the N façade of Building 47 to adjacent Building 51. When toilet and stair blocks 48A, 49A and 50A were added Building 47 was altered to accommodate the newer structures. It was probably originally adjacent to Building F (mechanic and joiners shop, 1929 Insurance plan) which was demolished in 1980 (Watson 1992, 232) to allow construction of Building 29 the loading bay. The ground floor roof is shuttered reinforced concrete and there is evidence that large tanks were positioned in the E half of the building but these have since been removed. The Phase 1 structure bricks are 22cm long, 10cm wide and 7cm high. The sills and lintels are mainly concrete with cast iron and brick above (Illus 65). The window on the N wall of B48A has granite sill and mullion (W47/11). The W wall of Building 47 has blocked windows at the N end and is concrete at the S end. There is a wooden walkway between Buildings 47 and 51 (B47A).





Illus 65 Building 47 N wall door D47/1 showing steel beam lintel with brick above and bullnose bricks used for rounded corners for jambs; facing SSE



Illus 66 Building 47 W wall with blocked windows W47/3 (right) and W47/2 (left); facing WSW



Illus 67 F21 wooden walkway between Building 51 (left) and Building 47 (right); facing ENE

#### 4.24 Buildings 48, 49 and 50

Buildings 48-50 is the 'new mill' added c 1860 as an extension to the fireproof spinning mill with a single off-centre row of columns except at the north end (Building 50) where the columns are three deep. Buildings 48 and 49 are 35 x 14m in size and Building 50 (Illus 68) is 11 x 14m at the N end of the complex. They are five stories high and built of granite blocks with cherry cocking with brick extensions on the W façade (B48A, B49A, B50A).

Buildings 43-45 and 48-50 were reroofed in 1922-23, stair and lavatory towers (43A, 44A,, 48A, 49A, 50A) were added and a boiler and stove house were demolished (Watson 1992, 232). Building 47 was built on to the W side of Building 50 and then the toilet/stair tower (Building 50A) added later; there is blocking within Building 47 which shows this relationship.



Illus 68 Building 50 SW façade with Building 47 attached (top); facing ENE

#### 4.25 Building 51

Building 51 was the Winding and Warping Department (M on 1929 Insurance Plan; NJ90NW 125.12). It is an L-shaped building; the short dogleg of the L shape at the N of the building was added after the chimney associated with Building 52 was demolished and Building 51 extended over this area. The Winding and warping department was built in two stages, c.1850 and c.1880. Building 51 is a two- and three storey brick and timber-sided building. The ground floor is of brick with the use of bull-nose bricks for window and door surrounds in the same manner as the adjacent Building 47. The first floor is wood (Illus 71) and there is a wooden link at first floor level between Buildings 47 and 51 (F21; Illus 67). The SE corner of the building has been altered and a sandstone and brick decorative detail added (F19, Illus 68). This corner of the building may have originally been squared but the proximity of other buildings at this point probably caused this corner to be removed to allow traffic through between Buildings 51 and 47 and 50. This may

have occurred when the bathroom block (B50A) was added to the NW corner of Building 50 making this gap very small. A sandstone quoin was inserted into the corner with a triangular cut-away section and underneath a series of four inset brick 'steps' allow the corner to be removed and an extra 0.5m of space between the buildings.

The interior of the buildings has been altered and there are no older fittings apart from the round sectioned cast iron columns (Illus 70).



Illus 69 Building 51 SE corner showing sandstone and bullnose brick corner detail; facing WNW



Illus 70 Building 51 interior showing round cast iron pillars, newer concrete wall (right) and replacement ceilings; facing SE



Illus 71 Building 51 wooden first floor; facing N

## 4.26 Buildings 52 and 52A

Building 52 (Illus 72) was originally built in 1862 as a boiler house and later an economiser was built on the N end (CANMORE ID NJ90NW 125.3). It is a brick, single story building 19.5m long, 14.5m wide and 5m high with thin brick buttresses on all internal and external walls. It has an extension on the S façade 16m long and 5m wide, some of which has since been taken down to ground level to allow access to boiler flue F52/7. The N wall has a series of seven brick arches, now blocked with brick (Illus 73). They are each 2.5m wide and 4m high with a 0.5m wide brick arch (Illus 74). There is a boiler *in situ* but no access is possible at time of writing. There are brick flues in the concrete floor but these appear to be associated with the later use of the building. The flues are 0.5m deep and lined with brick and concrete. There are scars on the concrete floor of the E room where machinery has been sited and removed including an iron frame and scar as well as a metal base for a pump and an area of brick floor.

In Phase 2 the building was divided into four sections using concrete blockwork bricks (Walls F57, 59). The brick arched door D52/11 (Illus 75) in concrete partition wall F57 allows access between the W end of the building and the boiler. The door is 1.6m high and 0.1m wide with arched brick lintel with header bond.

The firebox for the boiler (F52/7; Illus 76-77) is a firebrick construction with cast iron frame; the frame appears to have been made in house from sheets of cast iron and cast iron H-frame beams. The opening is 1.4m high and 0.9m wide and there are stoke hole and inspection window on the E wall. The firebricks are 23cm long, 12cm wide and 8cm high and the arch bricks are 23cm long and 9-12cm wide. Four of the arch bricks are stamped 'THISTLE 8' (Illus 76-77).

Building 52A was built to house an 'economiser' (Illus 78). The economiser was invented by Edward Green in 1845 and is a mechanical device by which heat energy, which would otherwise be lost, was instead re-used (Collins, Prosser and Henry 2010, 9). Finally the hot gases exited to the main flue and out through the chimney (which has since been demolished and Building 51 extended over this area). The building appears to be mainly concrete blockwork and *in situ* are two large metal tanks. It is hoped that further access to this area will be possible during the demolition.



Illus 72 Building 52 SE corner showing area of demolished S wall (left); facing NW



Illus 73 Building 52 interior N wall D52/7, 8, 9 (L-R); facing N

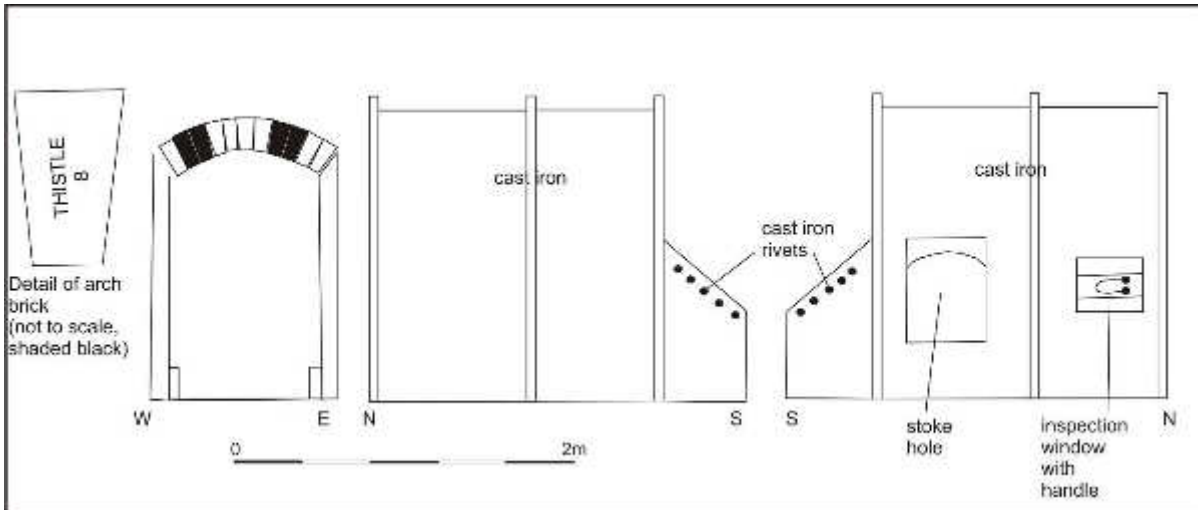


Illus 74 Building 52 interior D52/9; facing NNW



Illus 75 Building 52 wall 57 blocked door D52/11; facing E

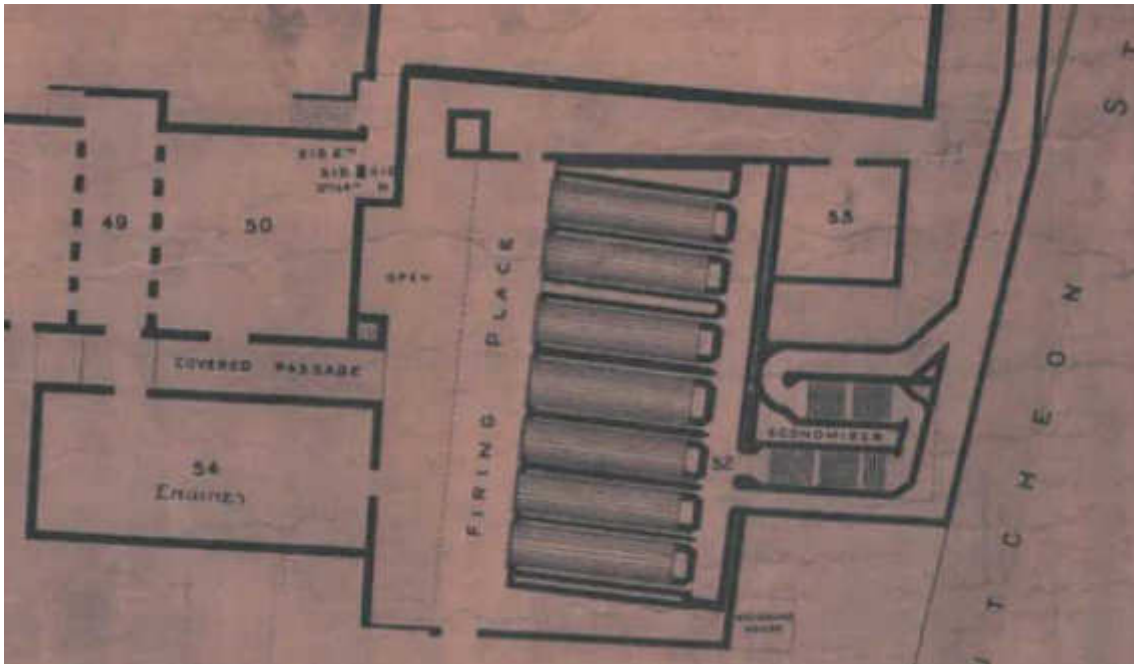




Illus 76 F58 elevations showing THISTLE bricks



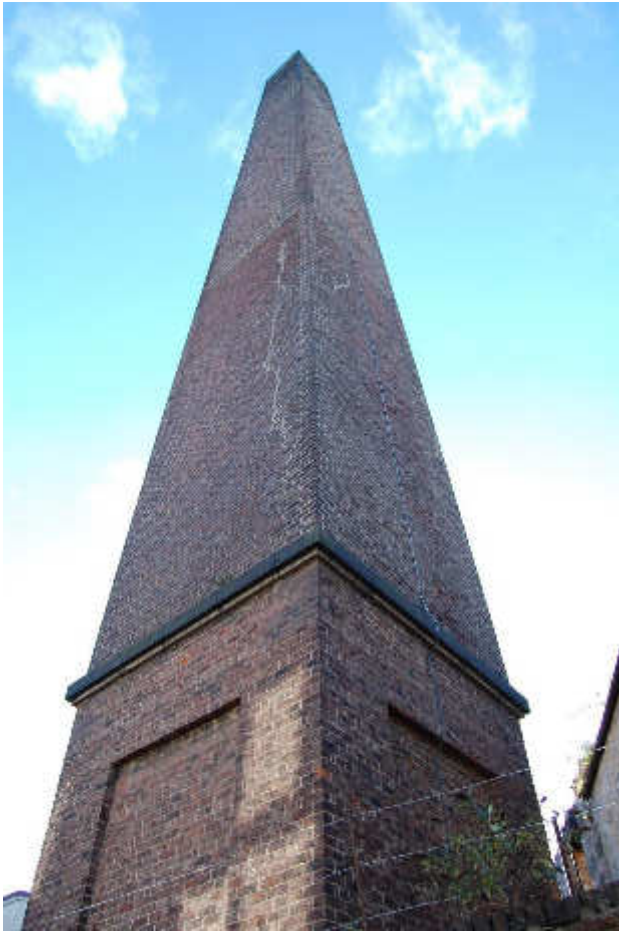
Illus 77 F58 facing NNW



Illus 78 Detail of undated plan pre infilling of reservoir prior to 1914 showing details of Building 52 'firing place', Building 52A 'economiser and 53 brick chimney (held at Cameron and Ross)

#### 4.27 Building 53

Brick chimney on Hutcheon St frontage at NE corner Building 51 (Illus 79). 4.6m square at base, 49.5m high. Built in 1864 (Hume 1977) it was associated with Buildings 52 and 52A the boiler house and economiser. It allowed for the removal of waste hot gases from the boiler house. There is a brick-blocked door D53/1 on the W wall of the base of the chimney (Illus 80). It is oval in shape, 2m high and 1m wide and constructed of brick. Building number 53 was originally used for the chimney attached to the N side of Building 52 which was demolished and Building 51 extended into this area (Illus 78).



Illus 79 Brick square –section chimney Building 53 from Hutcheon Street, facing SW



Illus 80 Building 53 stoke hole/door D53/1 in base of chimney Building 53 W face; facing E

## 4.28 Building 54

Building 54 was an engine house (CANMORE ID NJ90NW 125.14; Illus 81). It is situated between the 'New Mill' and New N and S Mills, flat-roofed with heavy cast-iron ceiling beams. It had a tandem horizontal compound engine replaced in 1933 by an electrically powered one. There was a second engine house within N weaving shed (NJ90NW 125.11). Building 54 is 22m long, 10.5m wide and 9.5m high and is constructed of a series of brick buttressed sections with windows in between. The N main façade has the main door (D54/5) and large first floor arched brick windows with granite sills. There are three blocked apertures on this facade. W54/2 is a blocked first floor window with brick arched lintel. All three first floor windows have sandstone sills and are probably all original to the building. Two ground floor windows (W53/4 and /6) are probably original to the building as they have sandstone sills. They are blocked with brick. The ground floor door had granite mouldings.

Only North elevation completely accessible as other facades are overgrown and there is only small gaps between this building and the adjacent structures. It is constructed of red brick with exterior buttressing on a grey granite pedestal foundation. Central upper window and lower windows brick lintels and sandstone sills and have been bricked up (54/2, 54/4, 54/6). Two upper windows (54/1, 54/3) have arched brick lintel and granite sills and ground floor door (54/5) has granite facings. Arched windows have been blocked on the E and W facades but there is little access to these aspects. The two windows on the S façade have semi-circular cast iron sills (Illus 82). There are ceramic tiles on the interior (Illus 83) but the interior is largely inaccessible at time of writing.



Illus 81 Building 54 N façade with wall F18 (left); the stub wall in the foreground is the remains of the S wall of Building 52; facing S.



Illus 82 Building 54 S wall with Building 49/50 (left) Building 55 (right); facing NNW



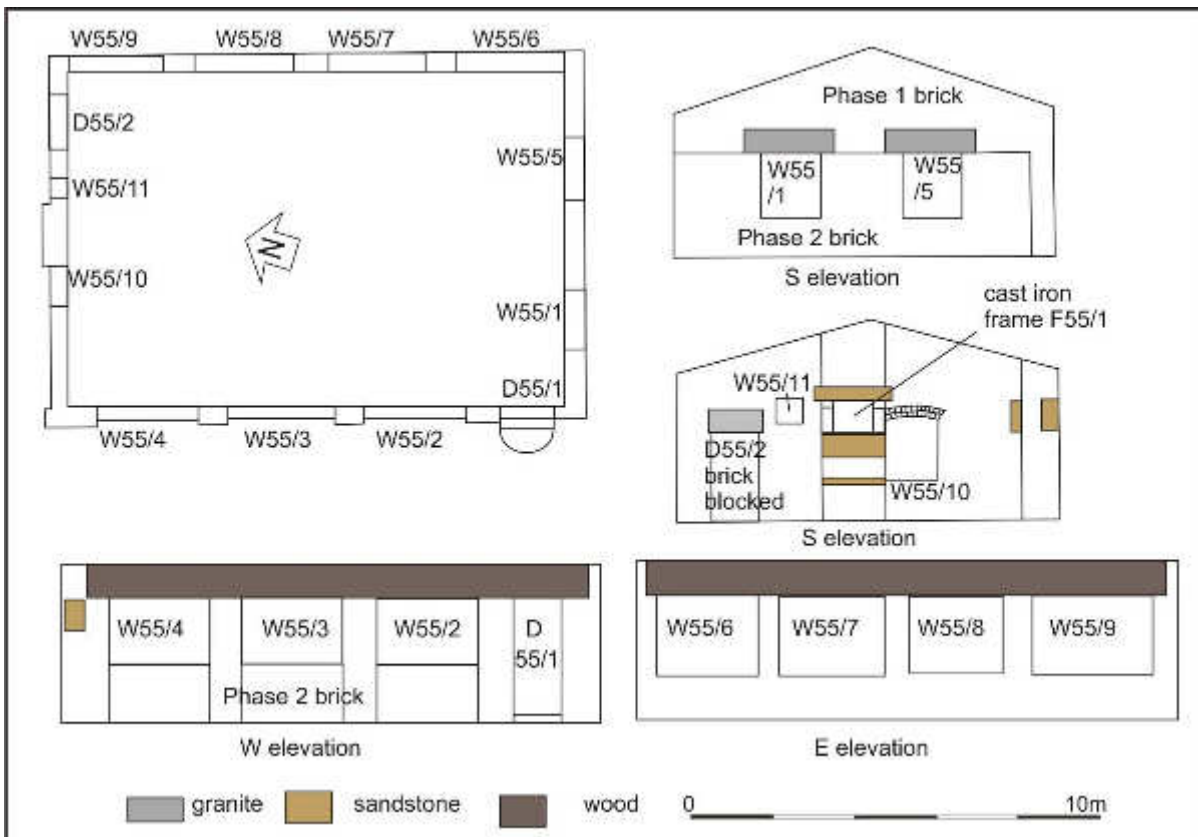
Illus 83 Interior Building 54 entranceway at N of building to be recorded more fully once building is empty; facing S



Illus 84 Interior of Building 54 in 2005; the interior of this building is not accessible at present (copyright Halliday Fraser Munro).

#### 4.29 Building 55

Building 55 was built as offices and is a small brick building on the S side of Building 55 (Illus 85). It is 13m long and 9.5m wide (Illus 86-7). The front west façade has brick buttresses dividing three large windows and a door on a semi-circular concrete step (D55/1). The walls appear to have been substantially rebuilt in places with a more modern grey brick. Watson (1992, 233) suggests it was built in at least three phases. It appears on the 1866 Isometrical View of Broadford Works (Illus 4) where it appears to be adjoined to buildings on the S and E walls and when they were demolished the walls were rebuilt to create a stand alone building. An undated plan held at Cameron and Ross (Illus 89) shows this building substantially larger. The windows and doors were probably originally arched brick lintels as W55/10 in the unreconstructed wall. There is a cast iron plate in the central buttress on the N wall (F55/1) which may have been associated with an original flue for a domestic or industrial use.



Illus 85 Building 55 plan and elevations showing S and W walls substantially rebuilt



Illus 86 Building 55, W front façade, facing SE

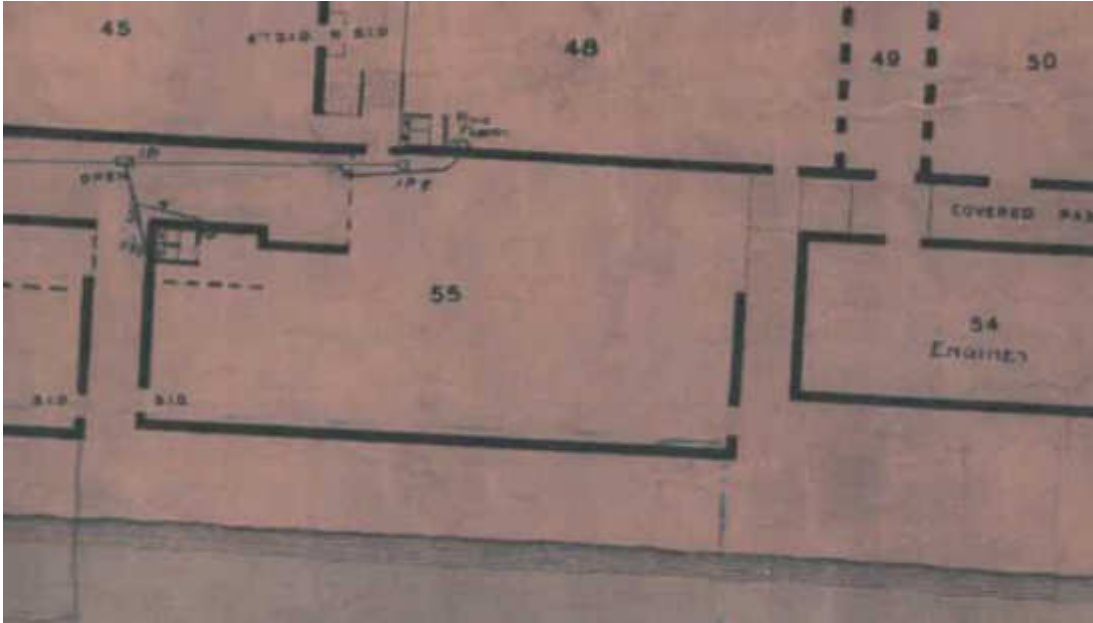


Illus 87 Building 55 N gable showing rebuilding with later grey brick, facing ESE



Illus 88 Building 55 (centre bottom), Building 54 (centre top), Building 48 (left) Building 86 (right) with cast iron light stand F29 in 2003; facing N (copyright RCAHMS SC 1378220).

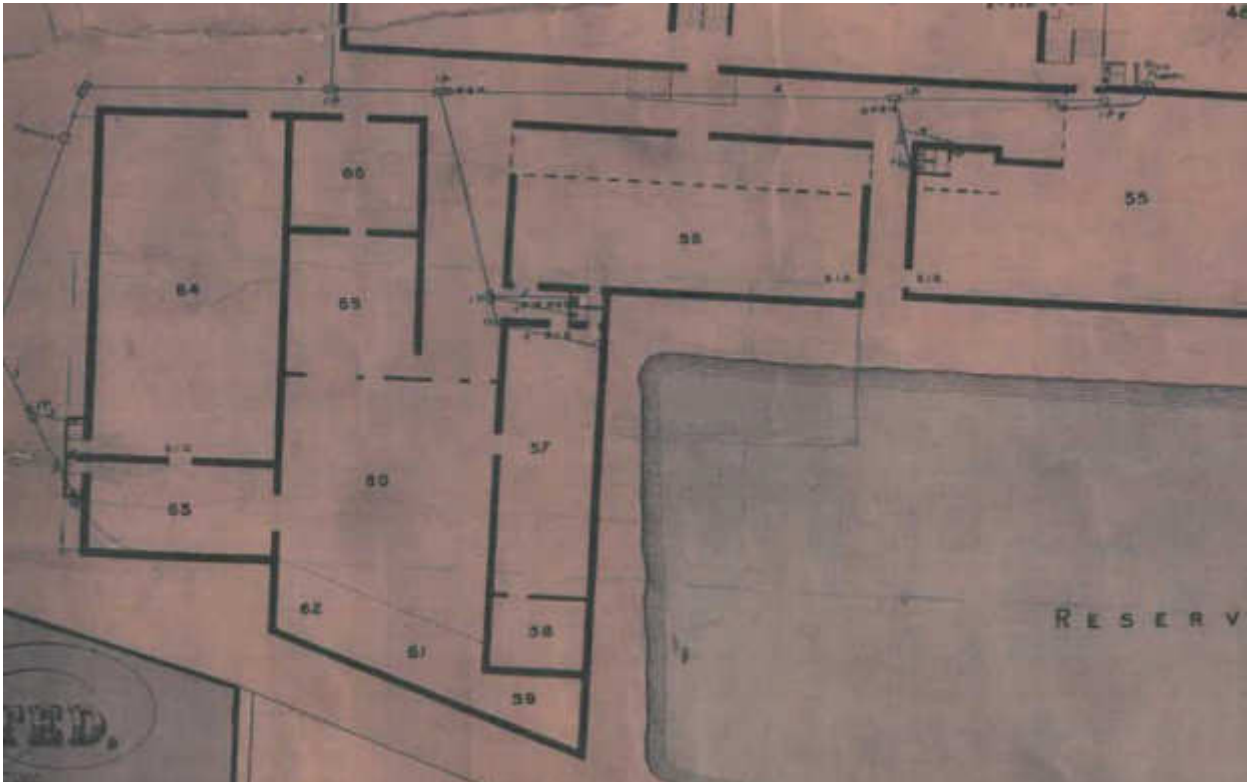




Illus 89 Detail of undated plan pre infilling of reservoir before 1914 showing original larger size of Building 55 (plan held at Cameron and Ross)

**4.30 Buildings 56-63, 65-66**

These buildings were removed after infilling the reservoir (Illus 90) and replaced by Buildings 84-86 (dated 1914) and Buildings 88-90.



Illus 90 Buildings removed prior to 1914 for replacement with Buildings 84-86 and 88-90 on undated plan pre infilling of reservoir before 1914 (plan held at Cameron and Ross)

#### 4.31 Building 64

On Maberly Street frontage between Buildings 4 and 5. See Buildings 4, 4A, 5, 7, 64 (above).

#### 4.32 Building 68

Raw flax warehouses (CANMORE ID NJ90NW 125.6), this block is granite clad and built c.1870 (Illus 91). The larger turretted brick building (Bastille; on S side Maberly St, outwith this development) was designed by Wilson and Walker in 1911-12 and had ferro-concrete (hennibique) floors.

Building 68 is a triple gabled granite built flax warehouse with external spiral staircase (F12) to steel deck access. Stacks to rear of each gable, to dry out flax, hoists to front. 26m long across triple gables frontage and 16-22m wide. Granite blocks with cherry cocking and doors with arched granite lintels and wooden sills. Wooden platforms or galleries below each door and metal fittings under gable for hoists. There is a double set of cart tracks along the W wall with a terminal at the S end (F14; Illus 92) set in cobbled surface F13.

There is little access to interior at present; the door on the N wall leads to a small area of the ground floor, but there is no access to the upper floors.



Illus 91 Building 68 W façade with cast iron spiral staircase; facing ESE



Illus 92 Cart tracks F14 on W side of Building 68 with wooden stop barriers (F50, right); facing N

#### 4.33 Buildings 69-82

Buildings probably all on S side of Maberly Street (see undated plan drawn pre-infilling of reservoir held at Cameron and Ross) and outwith this proposed development.

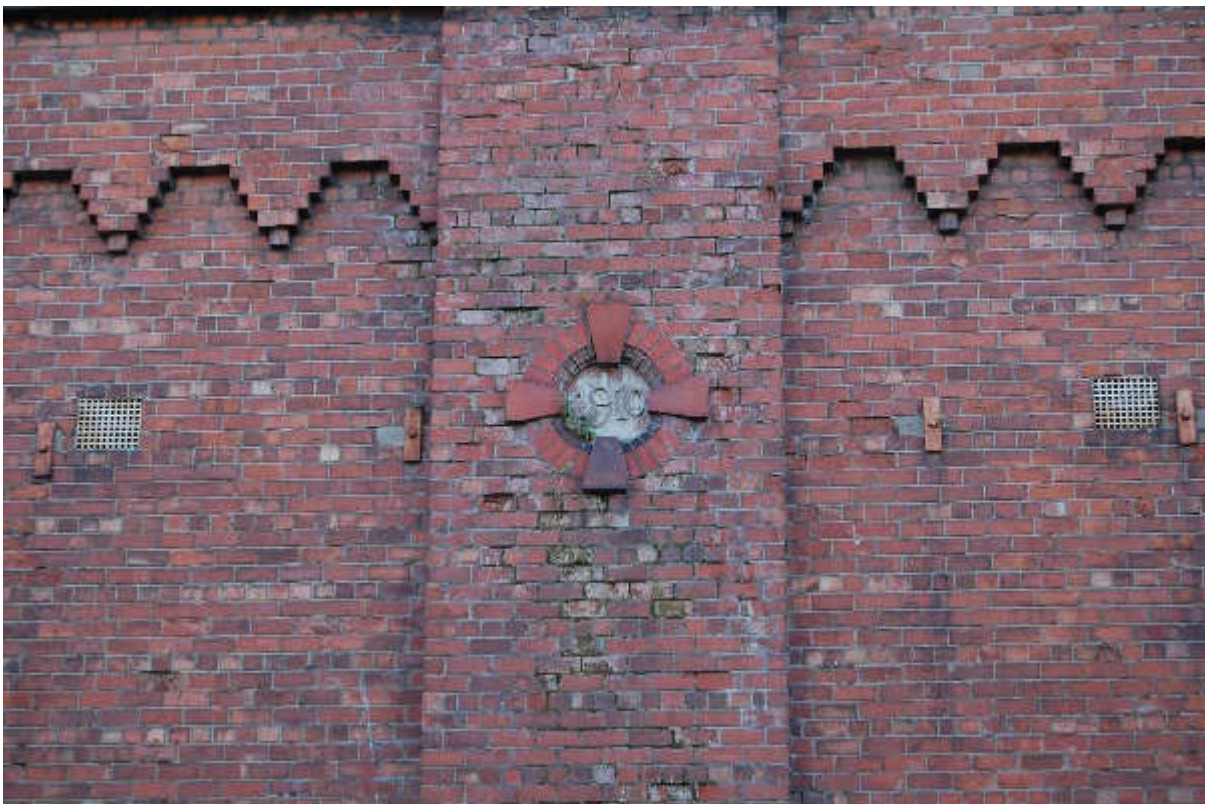
#### 4.34 Building 83

Building 83 is on the N edge of the mill on the Hutcheon Street frontage (Illus 93). Two storey brick former hose-weaving shed (NJ90NW 125.9; Illus 101), later blending building, with three bay north lit roof. Serrated corniced elevation to Hutcheon Street. It is constructed of brick and is 47m long and 19.5m wide with brick extensions on the E and W gables. It was a hose-pipe weaving mill constructed in 1910; there is a brick date plaque on the N Hutcheon Street elevation (F83/1 Illus 94). The apertures are of brick with arched brick lintels and sills (Illus 97) with single bullnose header on flat forming a rounded outer edge of the sill. The bricks are red with some grey and average 23cm long, 8cm high and 11cm wide. The S wall of Building 83 is attached to the N wall of 101 and there is a metal and concrete awning (101A; Illus 96). Two towers, one concrete (98) and one brick (88A) served to test and dry the fire hoses and Building 102 (below) was for hose testing.

The interior has a series of square sectioned columns supporting concrete ceilings (Illus 100). The N façade is being retained and the rest of the building demolished.



Illus 93 Building 83 Hutcheon St frontage being retained as part of the proposed development; facing SE



Illus 94 Building 83 N Hutcheon St façade with 1910 date in brick plaque (F83/1) showing brick buttresses and decorative brickwork; facing S



Illus 95 Building 83 W gable; facing NE



Illus 96 Building 83 S wall; facing NNW



Illus 97 Window 83/12 showing arched brick lintel, bullnose brick sill and infill below of former door; facing N



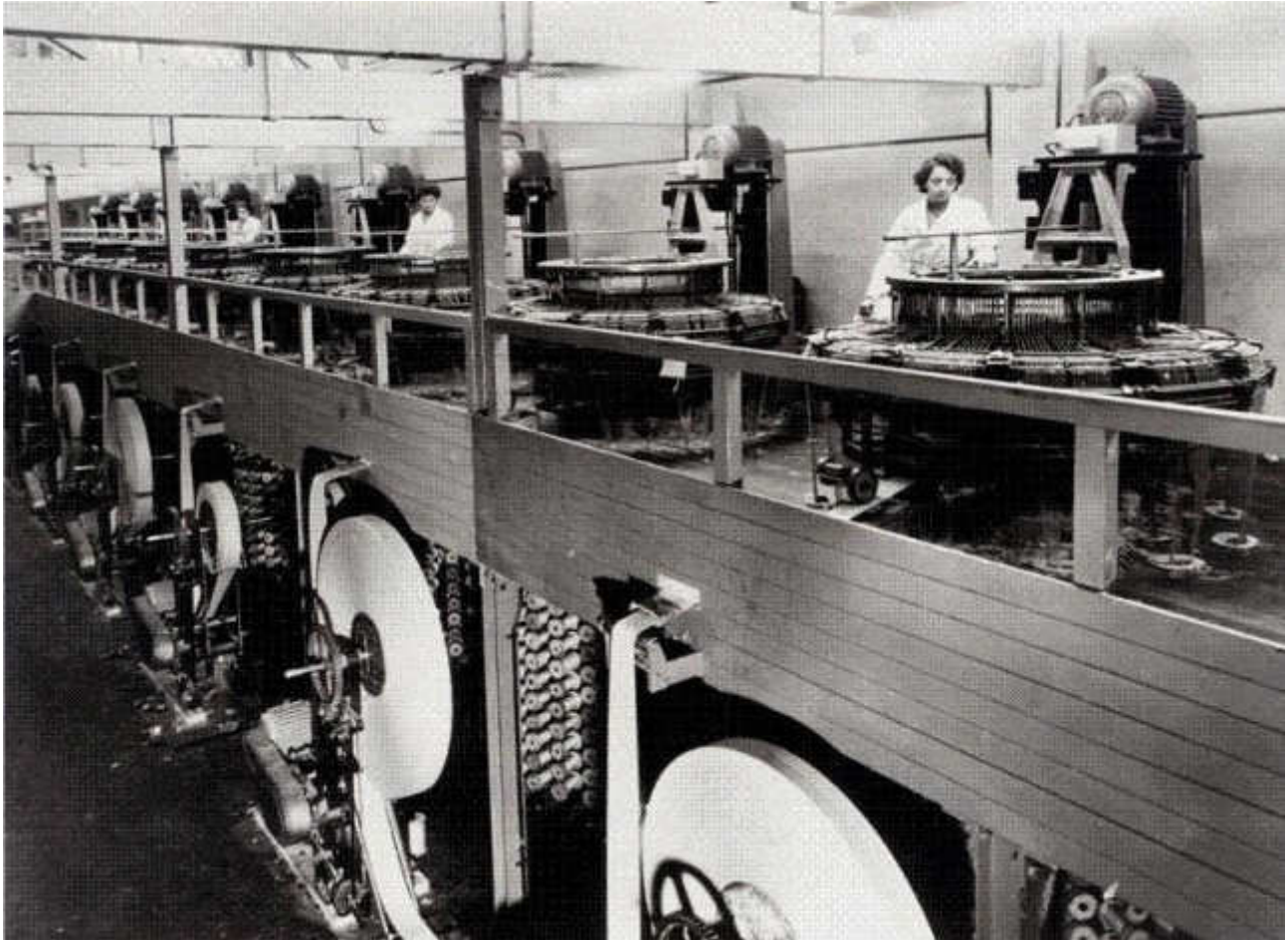
Illus 98 Building 83 E gable; facing NW



Illus 99 Building 83 S wall built into later Building 101; facing NNW



Illus 100 Building 83 (1910) ground floor showing concrete square-sectioned pillars, concrete floor and roof; facing WSW.



Illus 101 Hose weaving c 1950 (copyright SCRAN, 000-000-498-989-C)

#### 4.35 Buildings 84-86

New mills (North and South; NJ90NW 125.10) were built in 1913-14, designed by Wilson and Walker. Used for carding, preparing and spinning in large fireproof red brick mill, single arches on single row of cast-iron columns. Large brick clad spinning mill, 4 storey symmetrical 15 bays either side of central engine house which rises one further storey with terracotta wreath details and date '1914' on W façade (Illus 102). Building 84/85/86 was built on the site of the former reservoir after it had been infilled.

The bricks used for this building are 225 x 80 x 110mm in size and are imported dark brown brick (upper courses of walls) and grey brick (lower courses) (Illus 103). The building is 109m long and 22m wide; the main building is 21m high (four storeys) with central tower 27m high and end towers 26m high. The windows are have red sandstone sills and arched sandstone and brick lintels (Illus 103-4).

The floors are supported on round sectioned cast iron pillars and arched concrete ceilings (Illus 105-6) and there are cart tracks throughout the building on all floors leading from adjacent buildings, to lifts and throughout each floor. There are turning areas and 'sidings' or overtaking areas where carts can sit on rails off the main tracks (Illus 107-9).





Illus 102 Building 85 date plaque '1914'; facing ENE



Illus 103 Building 84 W84/1 showing reddish brown sandstone sill and lintel details and two colour brick wall; facing ENE



Illus 104 Building 85 Door D84/8 showing dressed granite mouldings and roundels above; facing ENE



Illus 105 Building 84 ground floor showing cast iron pillars and roof; facing NNW



Illus 106 Building 86 cast iron and concrete ceiling, ground floor; facing ENE



Illus 107 Building 84 first floor cart tracks leading to lift; facing SSE



Illus 108 Building 84 first floor cart tracks passing place; facing NNW



Illus 109 F31 terminal on corner of 3<sup>rd</sup> floor Building 84; facing ENE



Illus 110 Building 86 metal-wheeled cart

#### 4.36 Buildings 87

Gantry at first floor level between Buildings 86 and 99 (Illus 111). It consists of three steel girders tied into each building and concrete platform above (Illus 112).



Illus 111 Building 84 (left) Building 90 (right) concrete chimney with gantry 87 (centre); facing NW



Illus 112 Gantry Building 87 underside showing street structure with concrete infilling between; facing NW.

#### **4.37 Building 88/89/90/90A Batching and carding sheds, hose-lining tower**

Batching, breaker cards and old machinery store (CANMORE ID NJ90NW 125.4; Illus 113) built in 1913 and later extended to the N (Buildings 97, 99, 101). It is a lofty single storey building with fire barriers.

Buildings 88/89 and 90 forms one single storey brick structure 58.4m NNW/SSE and 39m WSW/ENE built in one phase and divided into three for batching, breaking and preparing the flax and jute. The S end of the building is constructed of non-local machine made bricks (Illus 114), the lower courses (1m) of bricks being dark grey and the upper courses of reddish brown bricks (all 225 x 110 x 80mm) similar to Buildings 84-86 which were built at the same time on the infilled reservoir. The windows and doors have brick arched lintels and light brown sandstone sills (Illus 114). The main windows on the W elevation are 1.5m wide and 3.2m high (90/1-90/3). Two offices in the NW corner of Building 90 are integral to the build and have a series of long narrow windows (90/4-90/11; Illus 116). The roof is supported on round sectioned cast iron pillars (Illus 115).



Illus 113 SW corner Building 90 showing two colours of modern brickwork; facing NNE



Illus 114 Detail of Building 90 window with sandstone sill and grey bricks below and red brown above; facing NE

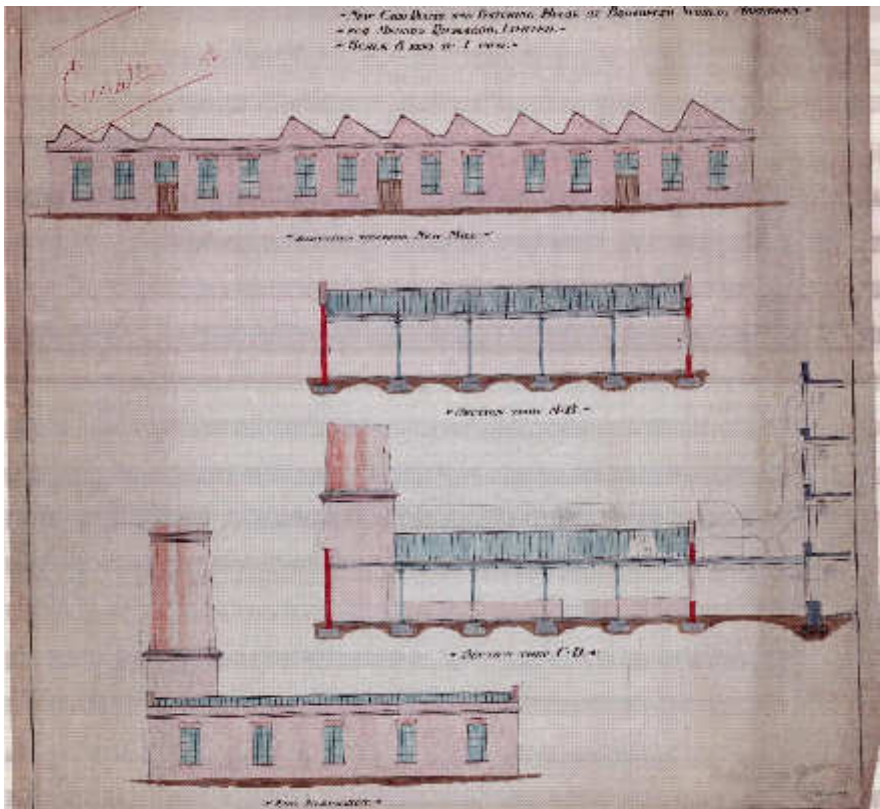


Illus 115 Building 90 interior SW wall showing cast iron pillars and roof beams with more recent replacement roof; facing SW

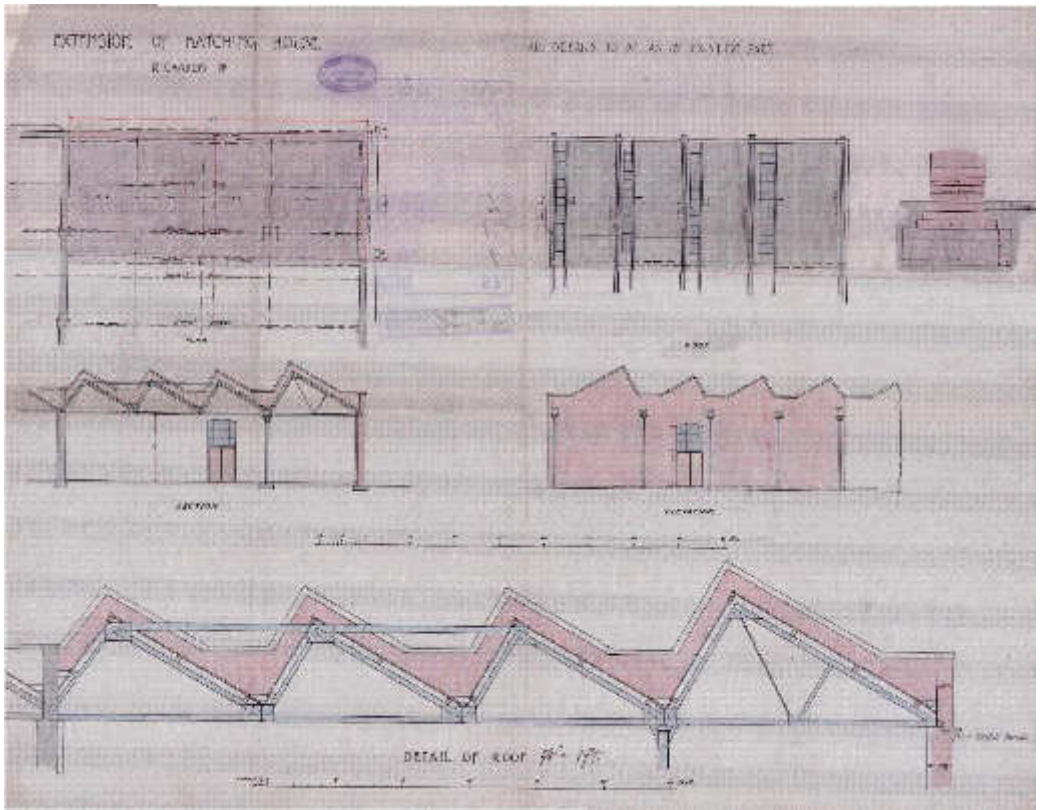


Illus 116 Building 90 W façade windows W90/11-/6 (L-R); facing ENE





Illus 117 Elevations of New Card Rooms and Batching House (Buildings 88-90) stamped 'Samuel Stevenson/Architect/Royal Avenue, Belfast/11 Nov 1914' (held by Cameron and Ross).



Illus 118 Building 88-90 Extension to Batching House stamped 'Wilson & Walker/Architect/375 Union St, Aberdeen/ 6 Apr 1920' (held by Cameron and Ross)

#### 4.38 Building 88A

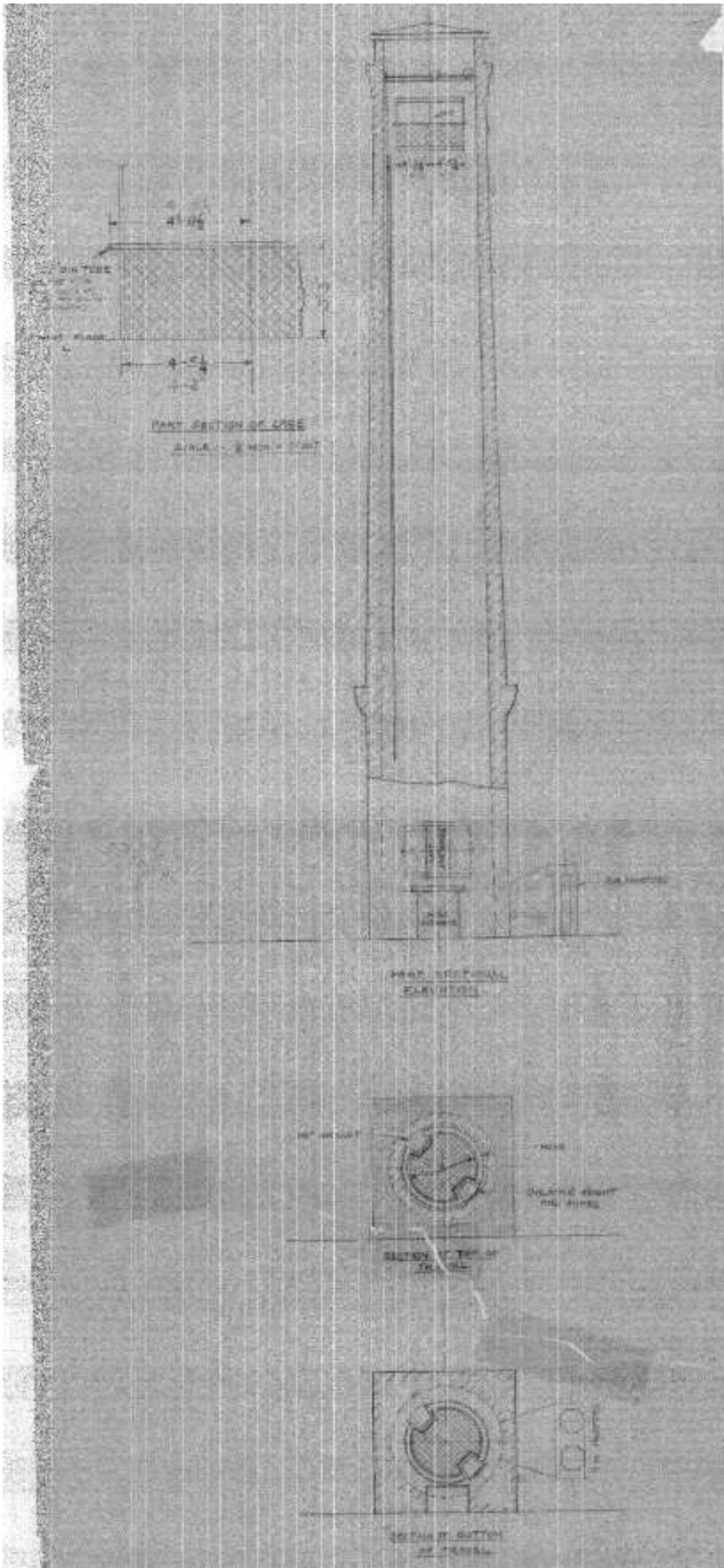
Circular section brick chimney 5.8m diameter built into rectangular 8.5 x 7m and 39.5m high. It was built around 1913-14 (Illus 119-120).



Illus 119 Chimney 88A from 3<sup>rd</sup> floor Building 84 showing roofs of Buildings 88-90; facing NE



Illus 120 Top of round sectioned brick chimney 88A from Building 86 second floor



Illus 121 Plans and elevation of chimney 88A undated (held at Cameron and Ross)

#### 4.39 Building 91

Building at E edge of site E of Building 88 and recorded photographically only.

#### 4.40 Building 92

Building 92 was the timber store for the works (NJ90NW 125.8). It was recorded photographically only (Illus 122).



Illus 122 Building 92; facing NNE.

#### 4.41 Buildings 93 and 94

Buildings 93 and 94 were the waste cleaning houses and dust store originally built in 1913 (CANMORE ID NJ90NW 125.7; Illus 123-4). These concrete brick sheds are a replacement for the original buildings and were served by cart tracks F45 and F63 (Illus 125).



Illus 123 Building 93 (left) and 94 (centre) with Building 68 E wall (right); facing SW



Illus 124 Building 94 NNW gable; facing SSE



Illus 125 Building 94 interior showing earlier cart tracks; facing NNW

#### **4.42 Building 95**

Building 95 is a brick garage at the e edge of the site. It has an inspection pit and was recorded photographically (Illus 126).



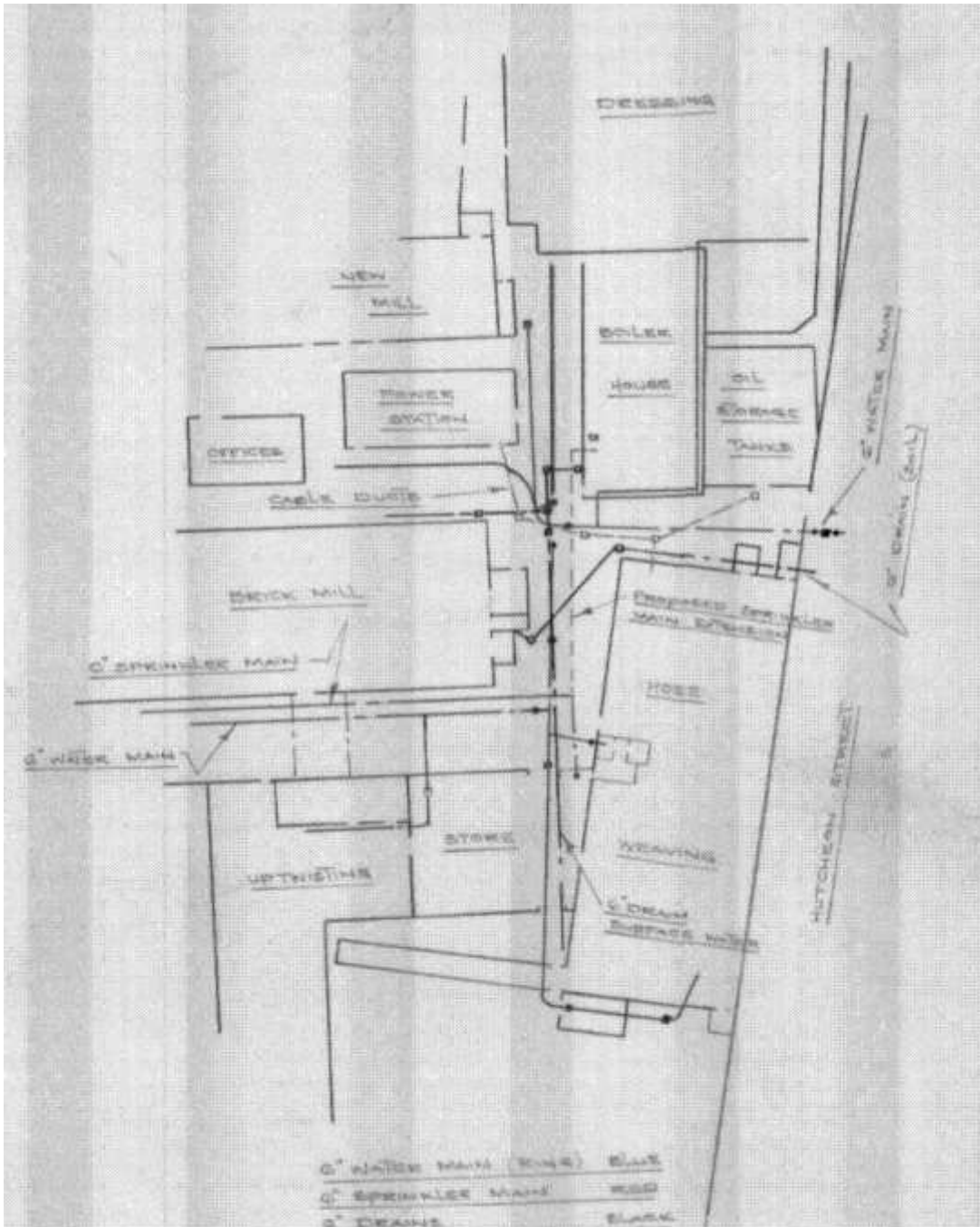
Illus 126 Building 95 garage with inspection pit at E edge of site; facing ENE

#### **4.43 Building 96**

Building number used for S half of garages Building 95 (see Layout of Broadford works main water supply, plan held at Cameron and Ross; Illus 7).

#### **4.44 Building 97**

Building 97 is an extension on the N end of Building 88. On undated plans held at Cameron and Ross it is labelled 'uptwisting' (Illus 127) and on another 'No 3 rubber plan'. It was recorded photographically.



Illus 127 Undated plan showing Building 51 (dressing) Building 52 (boiler house), Building 52A (oil storage tanks), Building 54 (power station), Building 55 (offices), Building 83 (hose weaving), Building 101 (store), Building 97/99 (uptwisting) (held at Cameron and Ross)

#### 4.45 Building 98

Building 98 is a tall cylindrical concrete tower with viewing platform, connected with hose-pipe manufacture and testing (NJ90NW 125.2687; Illus 128). The concrete chimney is 4.5m diameter and 37m high. It was constructed of pre-cast concrete sections (Illus 129-31).

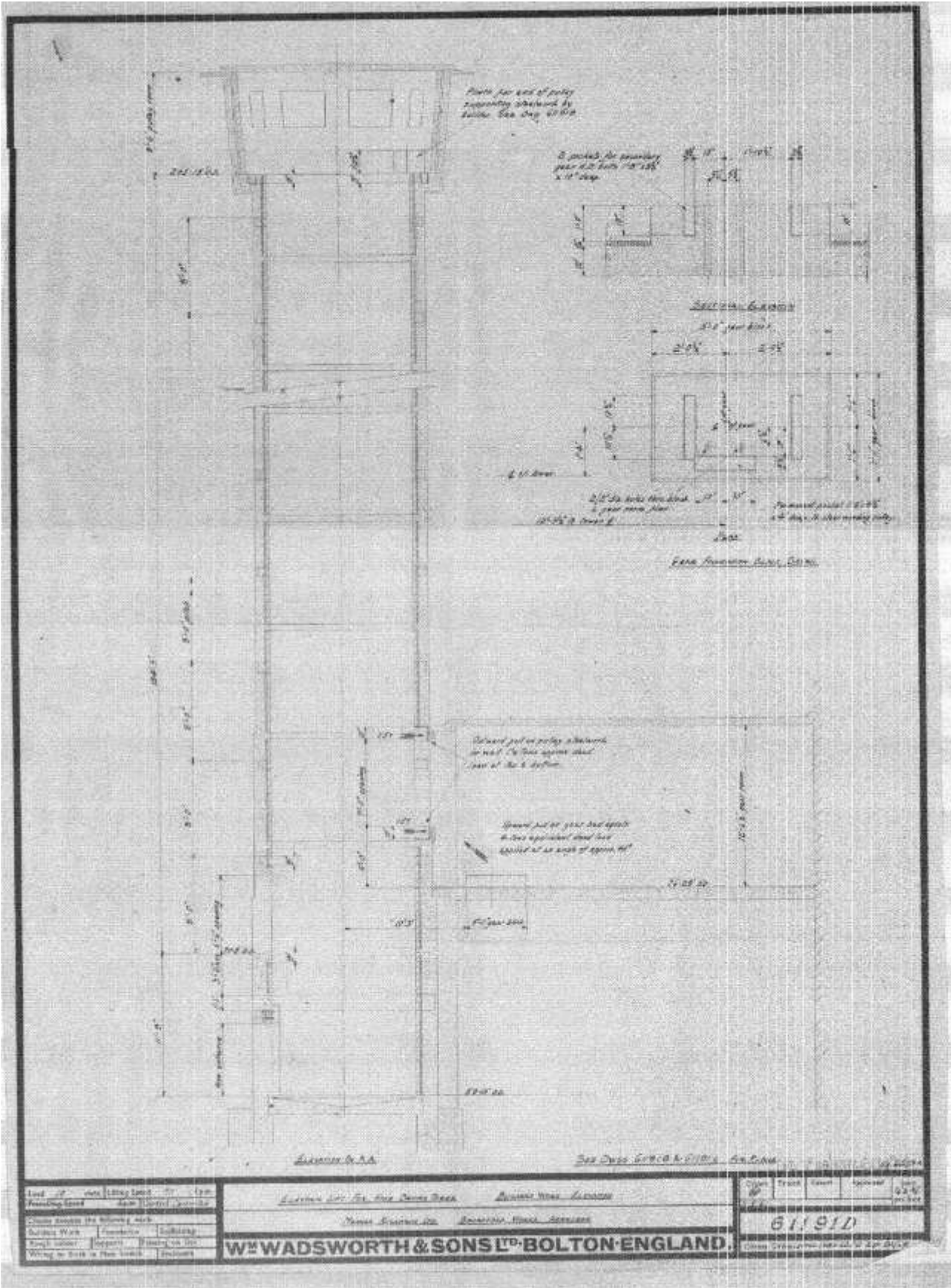




Illus 128 Concrete chimney Building 98 with gantry 100 below; facing SSE



Illus 129 Detail of concrete chimney Building 98 showing poured concrete sections, external ladders and platforms



Illus 130 Plan and elevation by Wm Wadsworth & Sons Ltd for new concrete tower dated 11.5.61 (held at Cameron and Ross)



Illus 131 Base of concrete chimney Building 98 from 2<sup>nd</sup> floor Building 86; facing ENE.

#### 4.46 Building 99

Building 99 is a modern building added on to the N end of Building 88 (Illus 132).



Illus 132 N wall Building 88 built into later Building 101; facing SSE

#### 4.47 Building 100

Poured concrete walkway between Building 99 and 86 at first floor level (Illus 133-4). Accessible from ground only.



Illus 133 Building 86 (left) gantry 100, building 99 (right); facing NNE



Illus 134 Underside of gantry Building 100 showing concrete block construction; facing ENE

#### 4.48 Building 101

Blockwork and metal roof very modern building joining 1920s brick building 99 with 1910 brick Building 83. Photographed only

#### 4.49 Building 102

Unnumbered on the overall plan labelled '83A' on undated plan of fire hydrants (held at Cameron and Ross; Illus 135). Building 102 is a N-S brick-built building 26m long and 3.5m wide attached on to the S wall of Building 83. It has windows down each long wall and concrete tile roof. The lintels are brick and there is a cobbled path (F38) on the interior with a concrete gully down the centre (F39). There are several cast iron tracks to the building and it was used to test fire hoses with the run off going into the adjacent West Burn F41. There is an undated plan held at Cameron and Ross where this building is labelled 'hose testing'.



Illus 135 Building 102 hose pipe testing facility showing concrete gully (F39) with cobbled path either side (F38); facing SSE

#### 4.50 Building 103

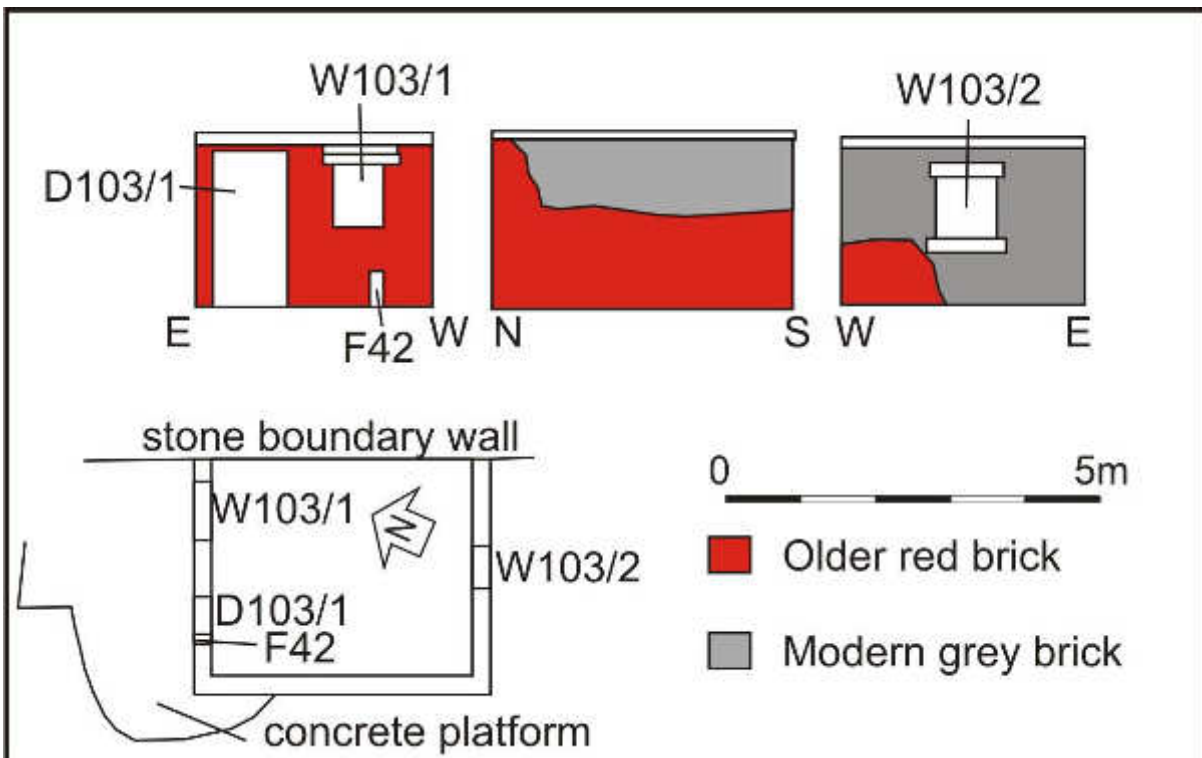
Unnumbered on the overall plan, labelled '3A' on undated plan of fire hydrants (held at Cameron and Ross). This small brick building 3.9m long and 3.2m wide is built into the SE site boundary wall at the SW corner of Building 69. It is single storey and constructed of older red brick with repairs to the E and S walls with modern grey brick (Illus 136) or use of two types of brick during construction. The walls are 0.24m thick and the bricks an average of 23cm long, 7cm high and 10cm wide. The lintel of W103/1 is cast iron, the sills concrete and brick. It has a shuttered, reinforced concrete flat roof, concrete floor and set on a concrete platform. There is an aperture F42 on the N wall, possible to hold a cast iron beam. The building has wooden racks (Illus 137) on the interior but was probably originally built to hold heavy machinery, suggested by the sign on the exterior of door D103/1 'Safe working load 5cwts' and the reinforced concrete floor and ceiling.



Illus 136 Building 103; facing S



Illus 137 Building 103 interior showing stone boundary wall (left) and shuttered concrete roof; facing SSE



Illus 138 Building 103 plan and elevations

## 5 OTHER FEATURES

A number of other features not given building numbers are included in this survey. Most are included in with associated buildings but the features below are not directly associated with a single building.

### 5.1 F17 cast iron lamp stand

F17 is a cast iron lamp stand on the S wall of Building 52 (Illus 139). It is painted gold on a red undercoat and has flower and scroll decoration. It is similar to F33 which has a makers mark maker's mark 'MACFARLANE & CO'.



Illus 139 Cast iron lamp stand F17; facing NNW



## 5.2 F23 weighbridge

Weighbridge between Buildings 1 and 7 (Illus 140) on the S Maberly St side within main gate. Structure labelled 'Pooley, Birmingham, England' (Illus 141). Henry Pooley and Son Albion Foundry, Liverpool and 72 John Bright Street, Birmingham.



Illus 140 Weighbridge F23; facing SSE



Illus 141 POOLEY/BIRMINGHAM-ENGLAND makers mark NNW end of weigh bridge F23; facing SSE

### 5.3 F29 Cast iron lamp stand

Cast iron street lamp with flower and leaf decoration (Illus 142) on the E side Building 45 with makers mark 'McDowall Steven & Co/Falkirk & ?' (Illus 143). McDowall Steven & Co Ltd were established in Glasgow in 1834. Falkirk archives online [http://www.falkirkcommunitytrust.org/heritage/archives/finding-aids/docs/business/Iron\\_foundries\\_and\\_iron\\_industries.pdf](http://www.falkirkcommunitytrust.org/heritage/archives/finding-aids/docs/business/Iron_foundries_and_iron_industries.pdf)



Illus 142 Cast iron lamp stand F29; facing WSW



Illus 143 Detail of maker's mark, 'McDowall Steven & Co/Falkirk & ?', cast iron lamp stand F29; facing WSW

#### 5.4 F33 Cast iron lamp stand

Cast iron lamp stand (Illus 144) on the E side of Building 102 with maker's mark 'MACFARLANE & CO/GLASGOW' (Illus 145). It is corroded with no paint remaining and has flower and scroll decoration similar to F17.



Illus 144 F33 cast iron lamp stand E of Building 102; facing S



Illus 145 F33 cast iron lamp stand detail of maker's mark 'MACFARLANE & CO/GLASGOW'; facing S

## 5.5 F34 gate Hutcheon Street

Gate on the frontage of Hutcheon Street with two gate piers constructed of rusticated granite columns (Illus 146).



Illus 146 F34 Hutcheon St gate with rusticated granite gate piers; facing S

## 5.6 Culvert F41

Culvert F41 is the West Burn which was the Works water supply. It is visible at the N edge of the site (Illus 147) but is culverted throughout the site. There is little access at this time but future works may allow access to record this feature.



Illus 147 Culvert F41 with N brick boundary wall with Hutcheon Street (centre) stone E boundary wall (right) with blocked apertures DHS/2 (left) and DHS/1 (right) and low blocked aperture in between; facing NNW

### **5.7 F44 concrete steps to gantry Building 100**

Concrete steps constructed on concrete columns allowing access on the W side of Building 99 to the gantry Building 100 (Illus 148).



Illus 148 Concrete steps to Building 100 (top right) along W wall Building 99; facing NE



Illus 149 Two brick blocked doors (DHS/1 left and DHS/2 right) above the open West Burn, F41; facing SW

## 5.8 F46 Gate on Maberly Street

Gate on Maberly Street between Buildings 1 and 4A (Illus 150). It is constructed of two granite columns and allowed access on foot into the porters lodge Building 1.



Illus 150 F46 granite pedestrian gate through Building 1 into complex; Facing NNW

## 5.9 F48/49 Hutcheon Street boundary wall

Brick and stone boundary wall rebuilt in several phases with various brick types (Illus 151). There are X-shaped cast iron prop heads supporting this wall (F64; Illus 152).

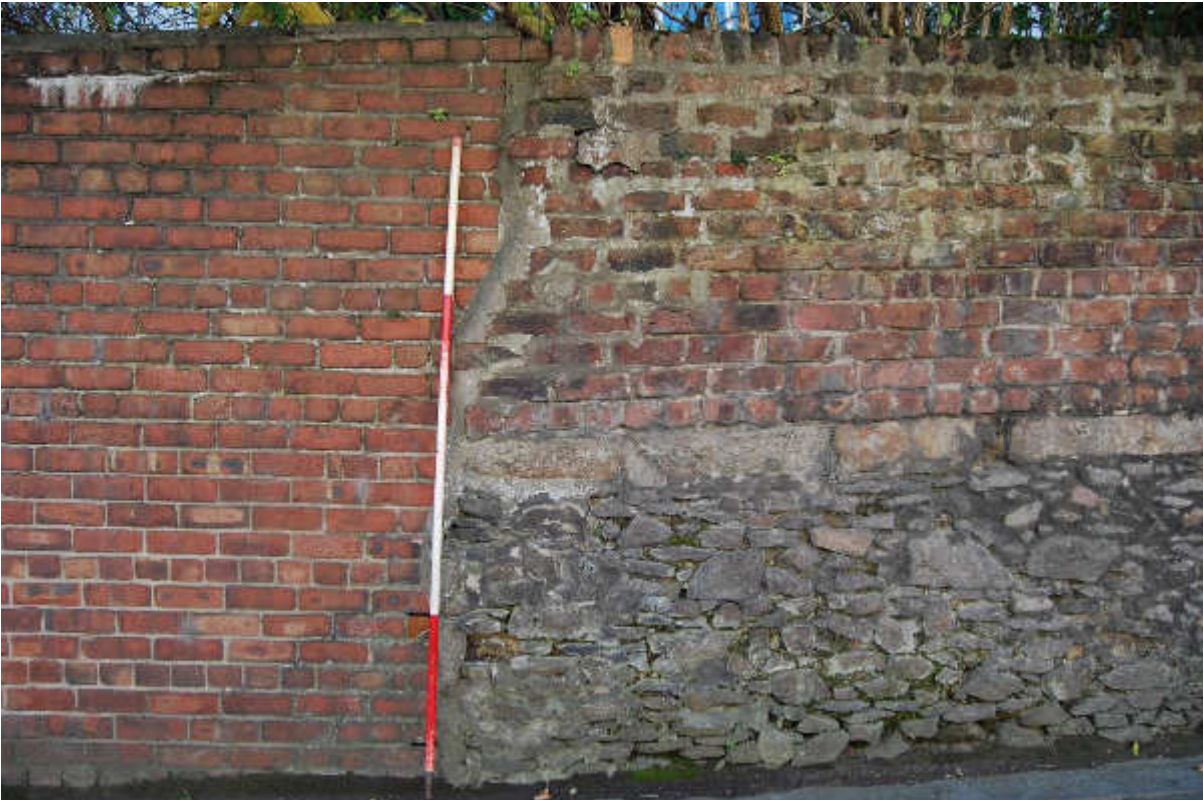


Illus 151 Gateway F34 (left) and brick wall F48; facing WSW



Illus 152 One of four horizontal prop heads with hexagonal bolt head F64; facing S



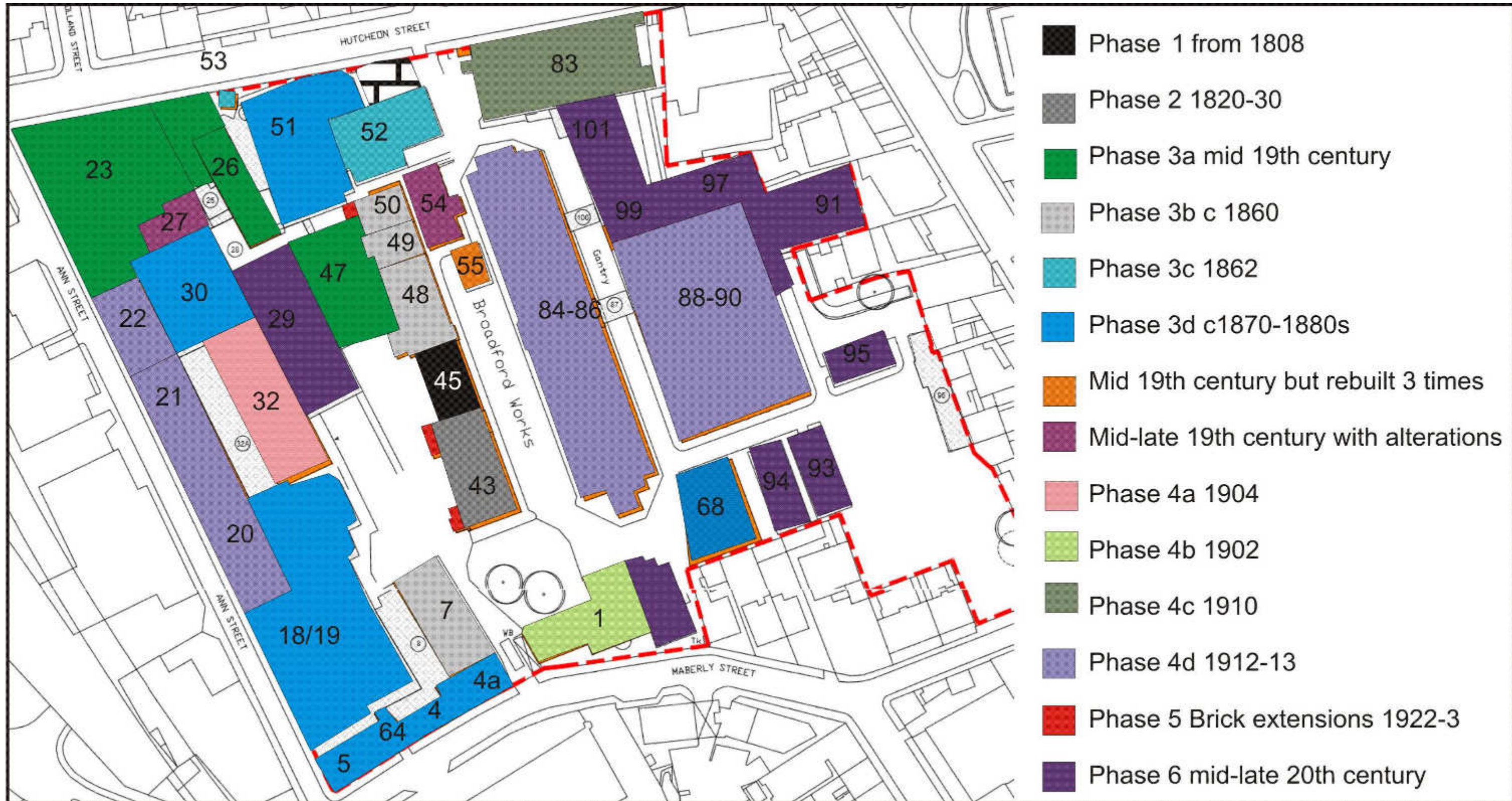


Illus 153 Stone wall F49 and brick F48; facing S

## 6 CONCLUSIONS

The buildings recorded during this survey represent structures built over the history of Broadford Works from 1808 to modern extensions and rebuilds in the early 1980s. Old plans and maps show that these works were constantly changing, being updated and as a result buildings demolished and altered to support new methods, machinery and power sources. Illus 154 (below) records the development of the works and details of sub phases within buildings can be found in the texts above.

Building materials include brick, stone, concrete, wood, cast iron and steel depending on the function of the buildings and it would appear brick was stockpiled and reused. Much of the brick is of Seaton type until the construction of early 20<sup>th</sup> century buildings (eg 84-86, 88-909) when imported brick were in use.



Illus 154 Phase plan based on dated buildings, Watson 1992 (see Illus 3). (Based on plan copyright Halliday Fraser Munro).

## 7 RECOMMENDATIONS

This survey is Phase 1 of a larger survey to allow demolition to take place. Further recording and watching brief/excavation will be required during future phases of the works (contact Bruce Mann, Aberdeenshire Council Archaeology Service).

Prior to refitting/soft strip

-Buildings 4/4A/5/7/64 – access to interior is limited and photographic survey requires to be completed.

-Building 26. There is no access because of fire damage. Once the roofs/floors have been removed the building requires to be recorded and photographed.

-Buildings 43-50. There is limited access. When the buildings have been cleared out the photographic survey to be completed. When Building 47 has been demolished this will allow further access to elements of Buildings 49 and 50. A cherry picker is required to record the roof fittings.

Building 54 – virtually no access – finish recording fittings and floor covering before soft strip starts.

Building 68 – there is no access into the main building and no access to the upper floors. When the building has been cleared finish recording and photographic survey.

Buildings 84-86 – completion of recording and photographic survey.

During below ground level disturbance

Several areas will require watching briefs. These include but are not limited to:

- watching brief area of Building 27 identified by Mark Watson as having potential regarding the Engine House shown on the 1929 Insurance Plan (Conservation Report 2000, 4.10).

-possible watching brief in the area of loading Bay Building 29 as this is the site of earlier buildings shown on the 1929 Insurance Plan (Conservation Report 2000 para 4.14). This may have been very disturbed and this will be determined

It would be desirable to put out a press release and contact workers from Broadford Works (Richards) and contact others who had association with the works including Invisible Bouncers Theatre Group (Illus 155).



Illus 155 Co-workers gather round to enjoy the rehearsing of a play from the Invisible Bouncers theatre group in the Richard's canteen' copyright Press and Journal.

## 8 REFERENCES

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Watson, M 1992 'Matthew Murray and Broadford Works, Aberdeen: Evidence for Earliest Iron-Framed Flax Mills' in *Textile History* 23(2), pp 225-242.

## 9 ACKNOWLEDGEMENTS

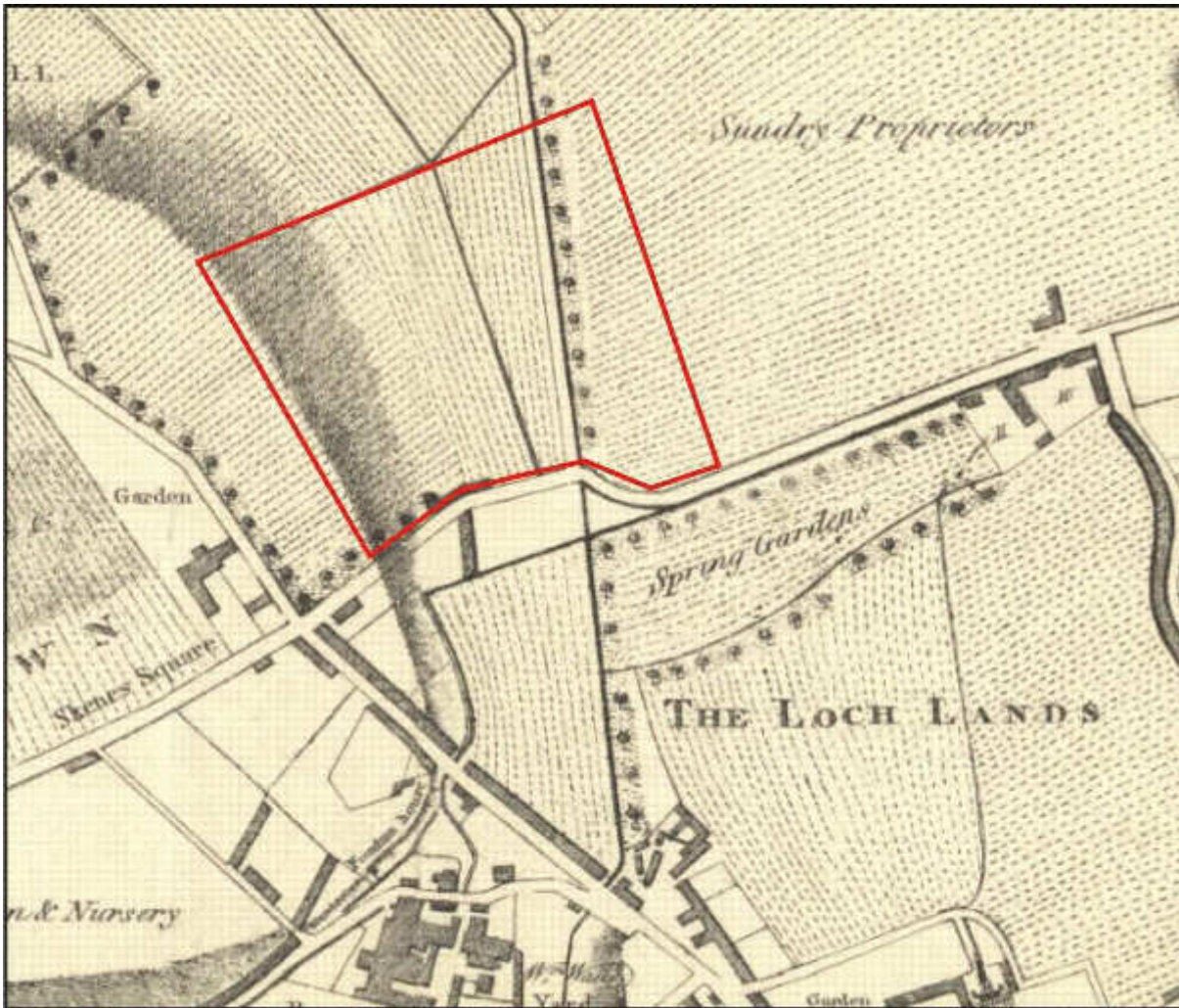
Thanks to Bob Reid, Halliday Fraser Munro and Mark Strachan and Gordon Shewan, McLeod and Aitken for initiating and managing this project, staff of Central Demolition and to Bruce Mann, Aberdeenshire Council Archaeology Service (who cover Aberdeen City) for his advice during the work.

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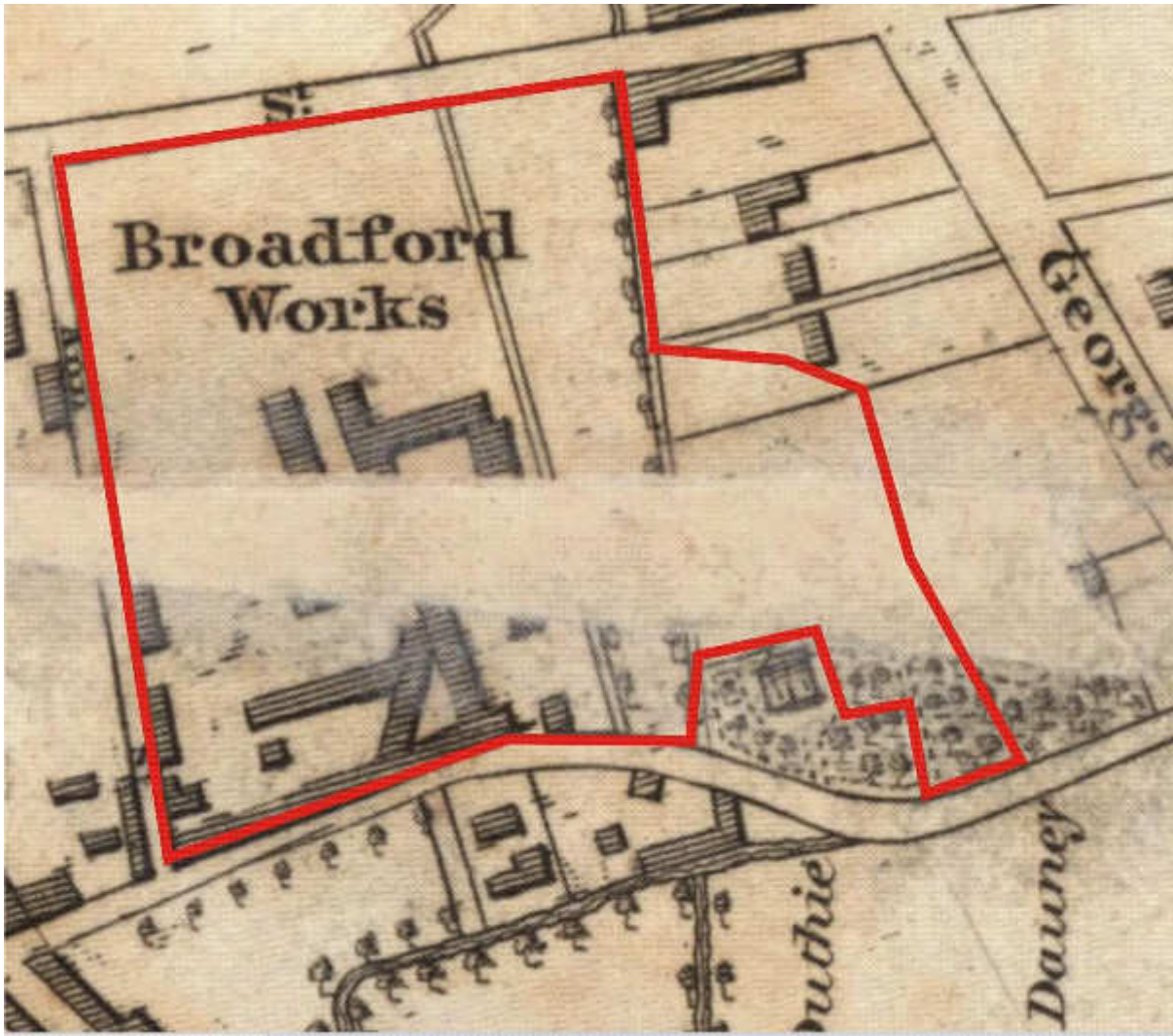
APPENDIX 1 MAPS



Illus 156 Paterson's map 1746 showing 'Broadfoord Meadow Ground' (copyright Aberdeen City Council)

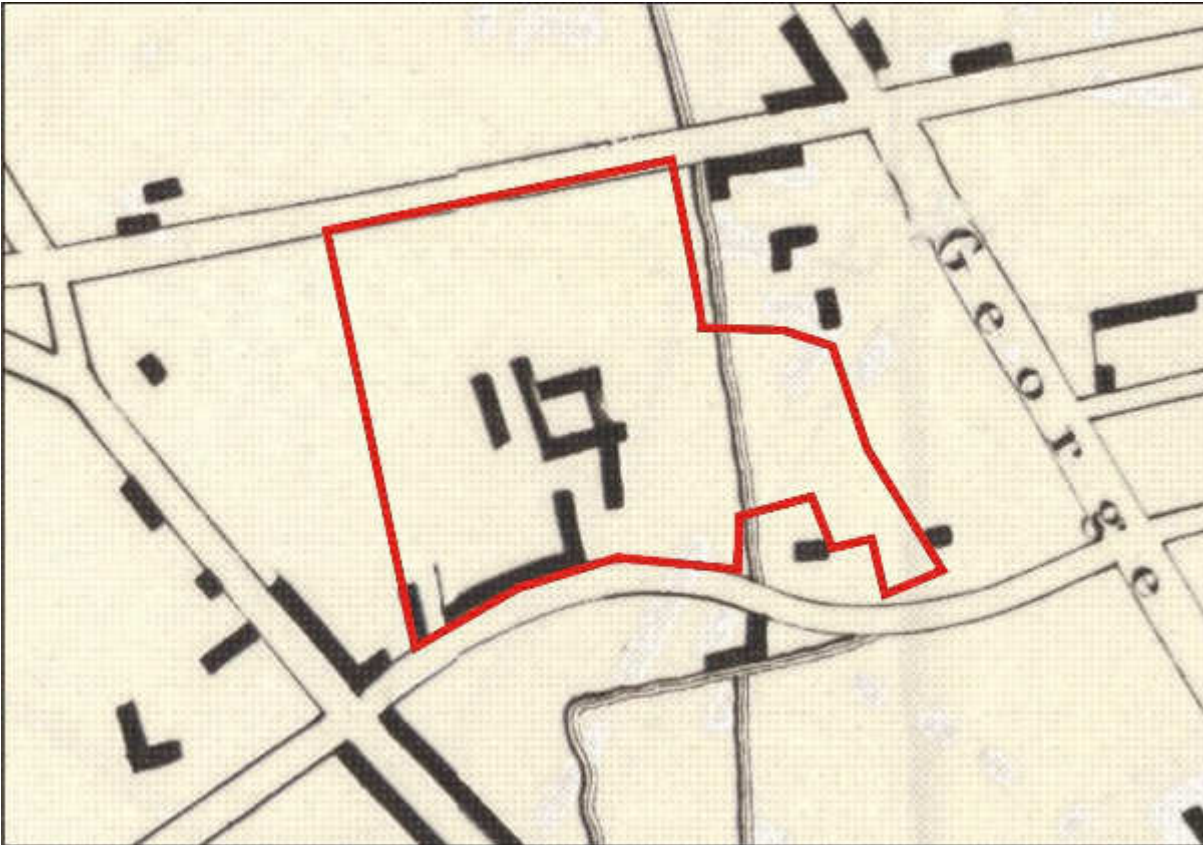


Illus 157 Milne's map of 1789 with approximate area of proposed development outlined in red (copyright National Library of Scotland)

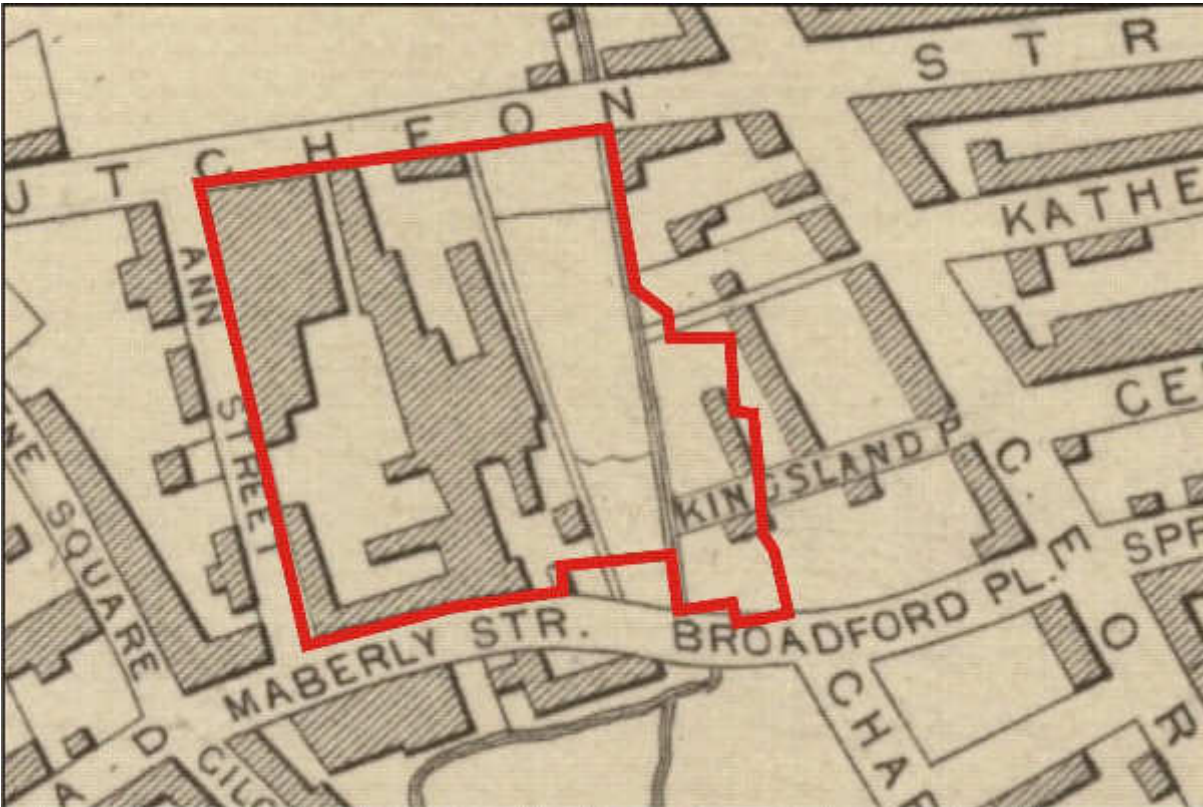


Illus 158 Wood's map of 1828 showing Broadford Works with approximate area of proposed development outlined in red (copyright National Library of Scotland)

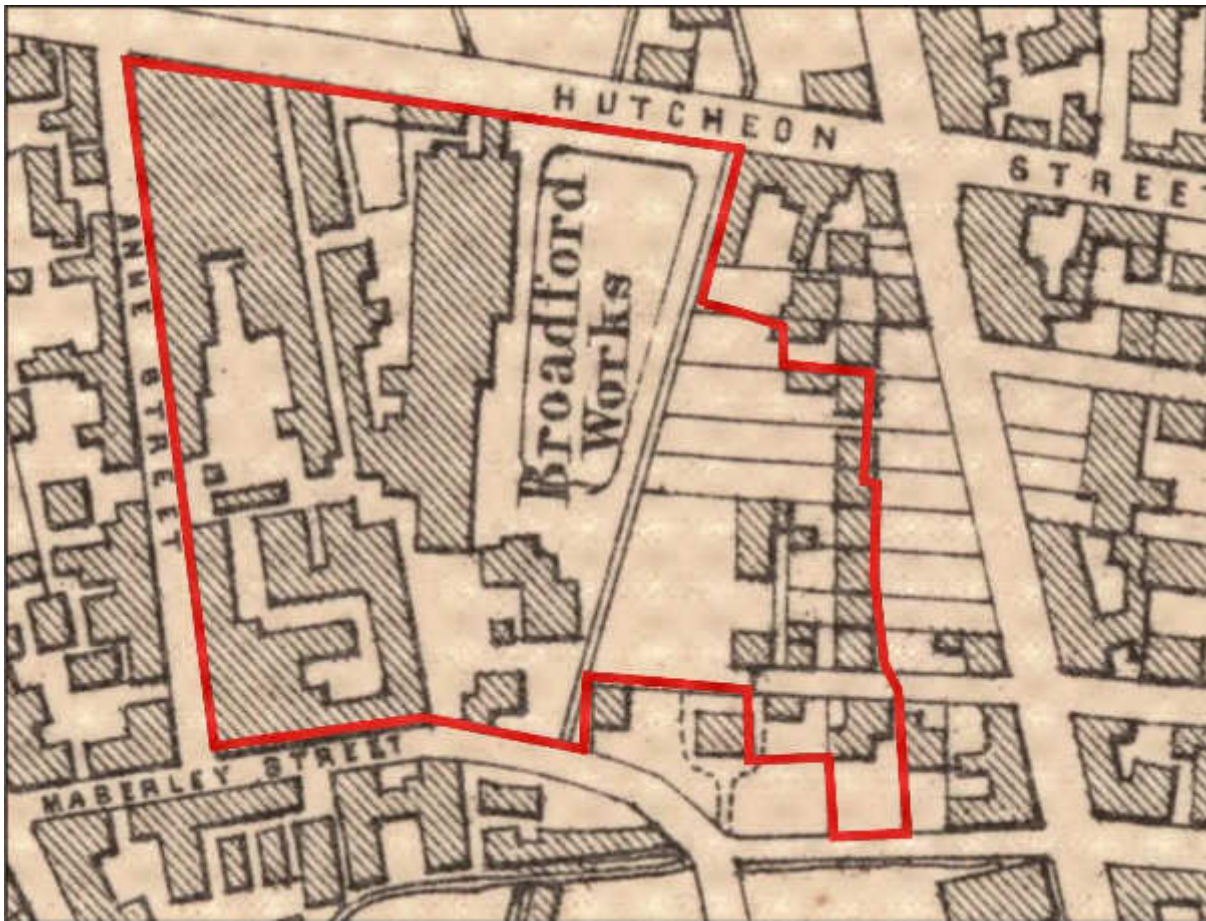




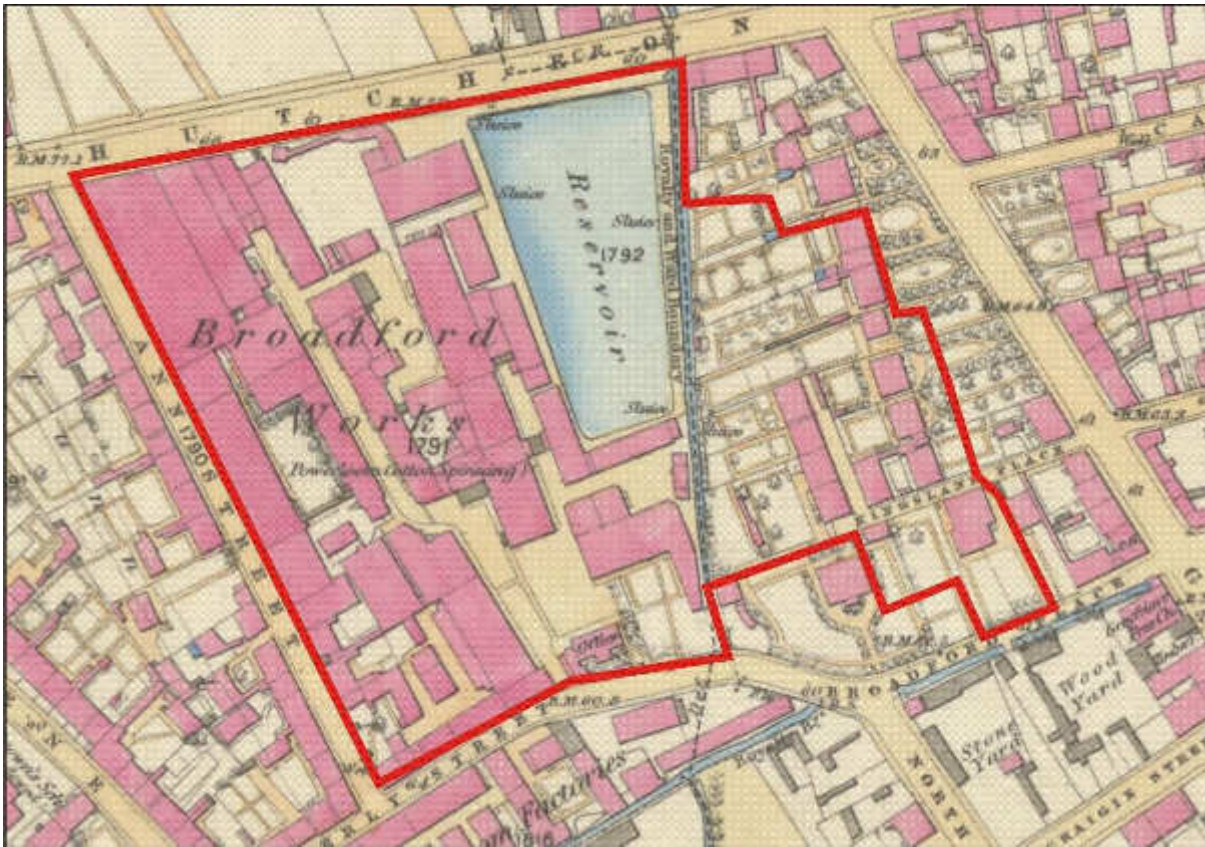
Illus 159 Great Reform Act Plans and Report 1832 showing approximate area of proposed development outlined in red (copyright National Library of Scotland)



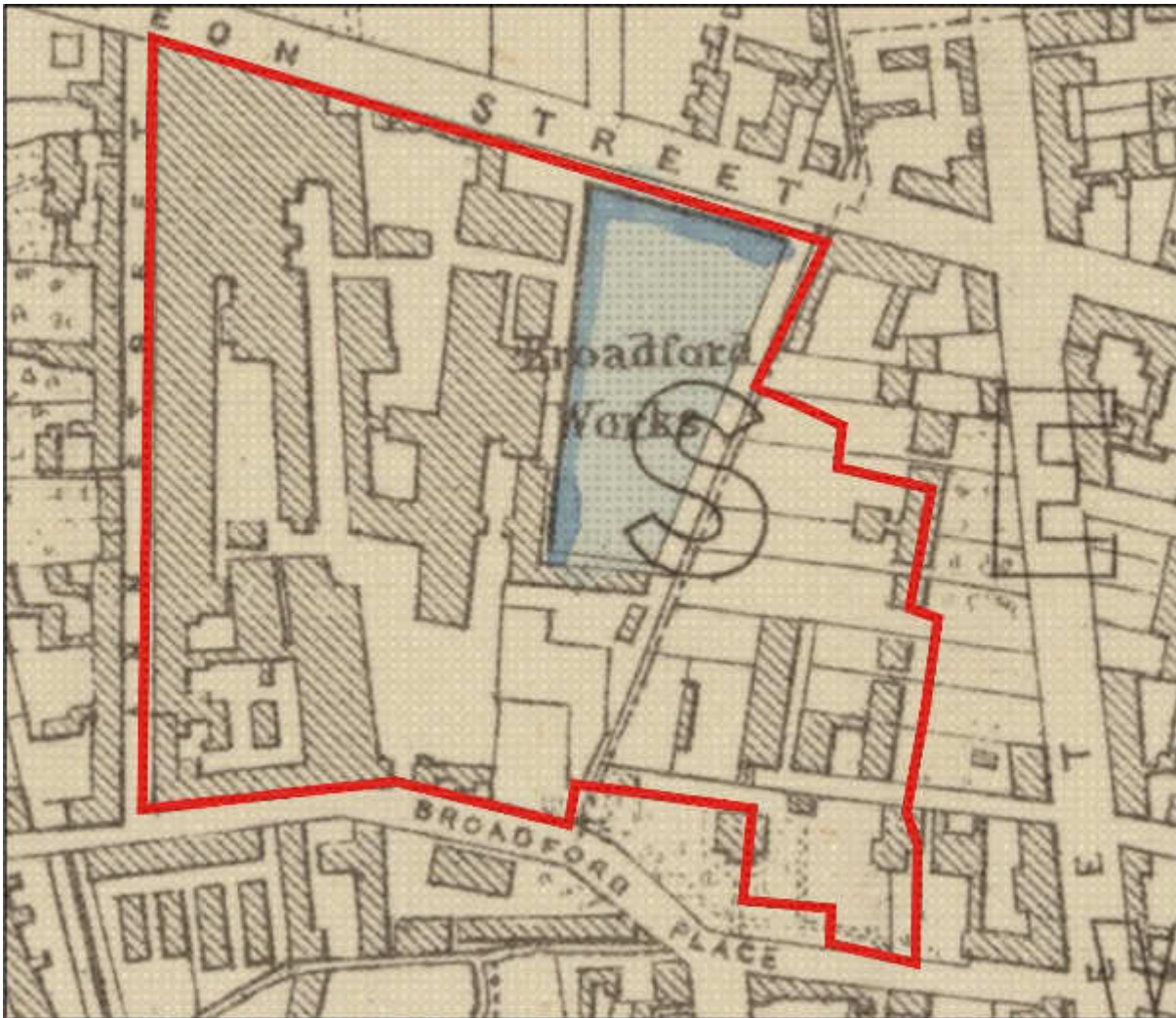
Illus 160 Rapkin's map of 1854 with approximate area of proposed development outlined in red (copyright National Library of Scotland)



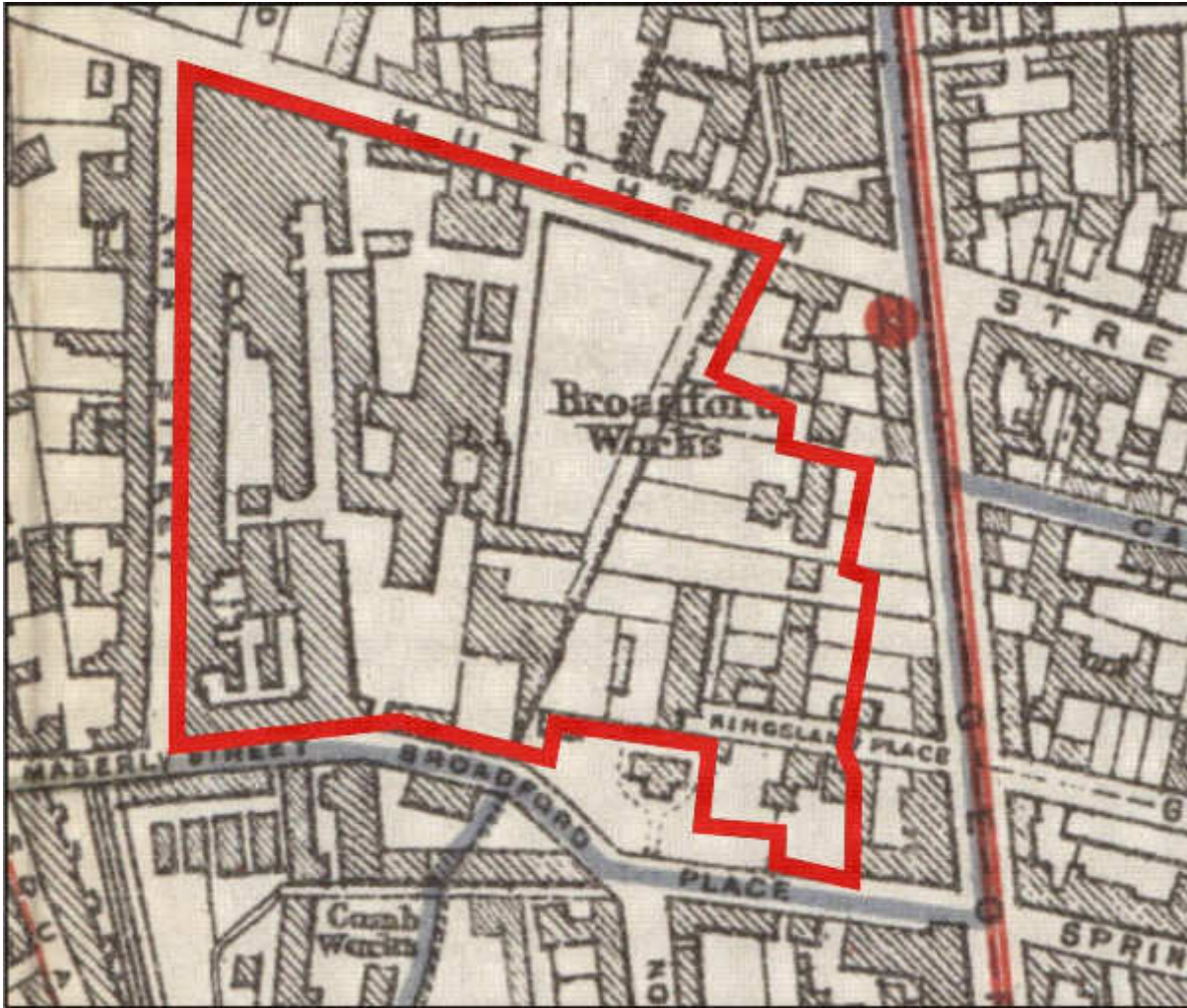
Illus 161 Keith and Gibb's map of 1862 showing Broadford Works with approximate area of proposed development outlined in red (copyright National Library of Scotland)



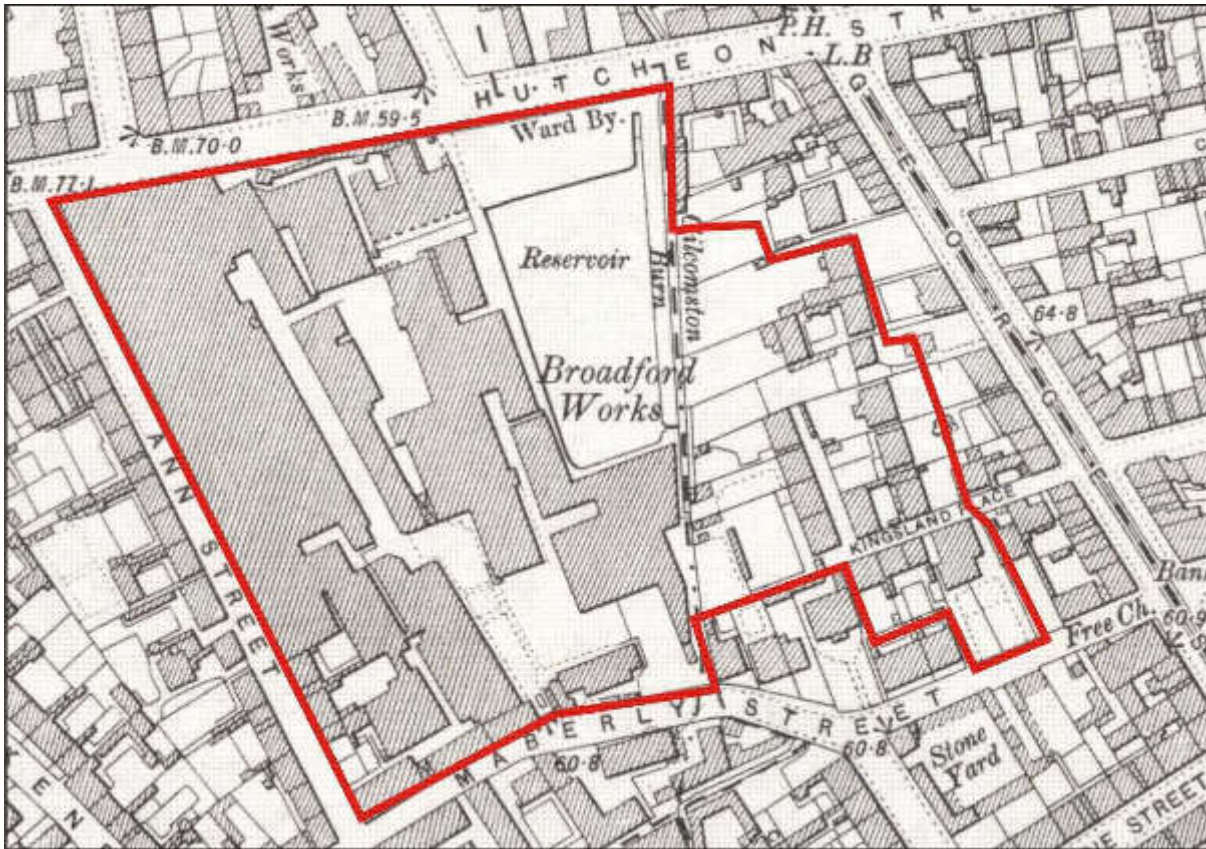
Illus 162 Illus 4 First Edition Ordnance Survey map 1869 with site outlined in red (copyright National Library of Scotland) Aberdeen Sheet LXXV.11 (Old Machar) Survey date: 1867 Publication date: 1869



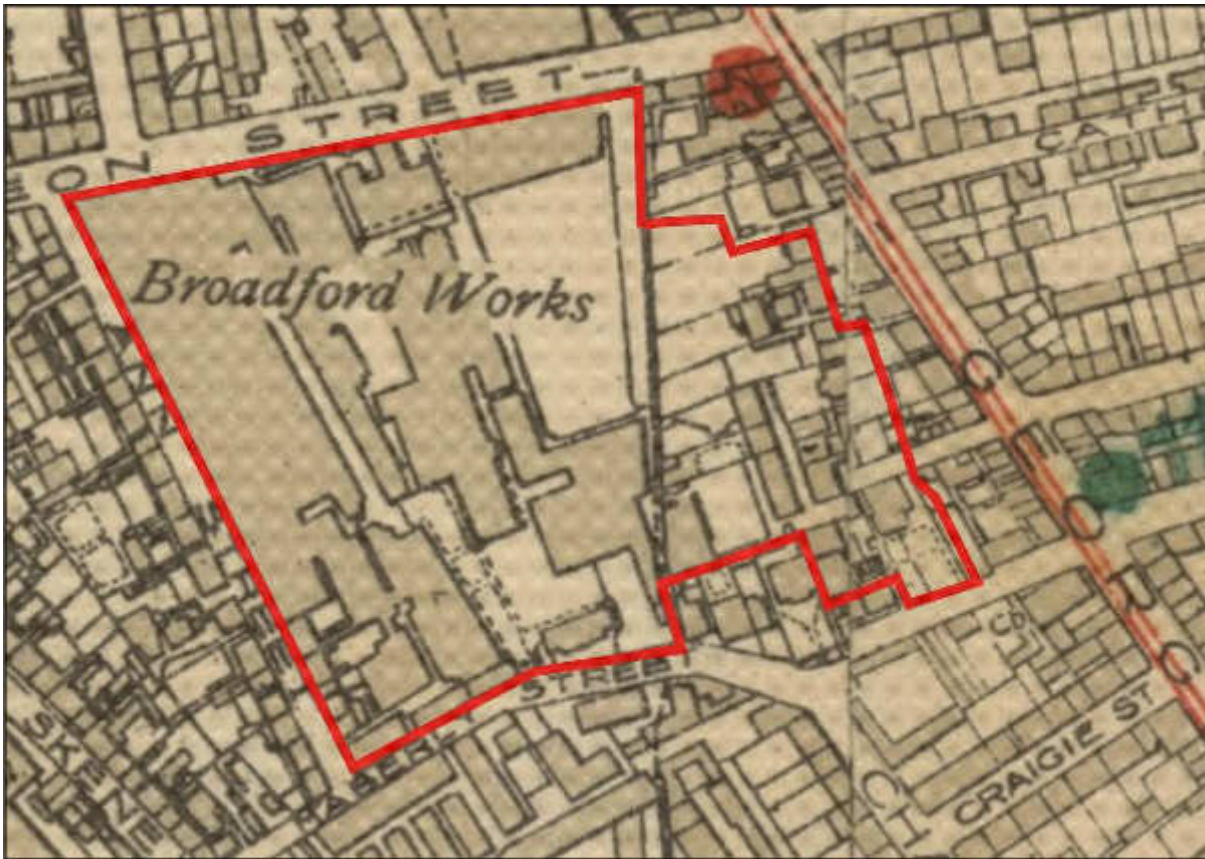
Illus 163 Keith and Gibb 1871 showing Broadford Works with approximate area of proposed development outlined in red (copyright National Library of Scotland)



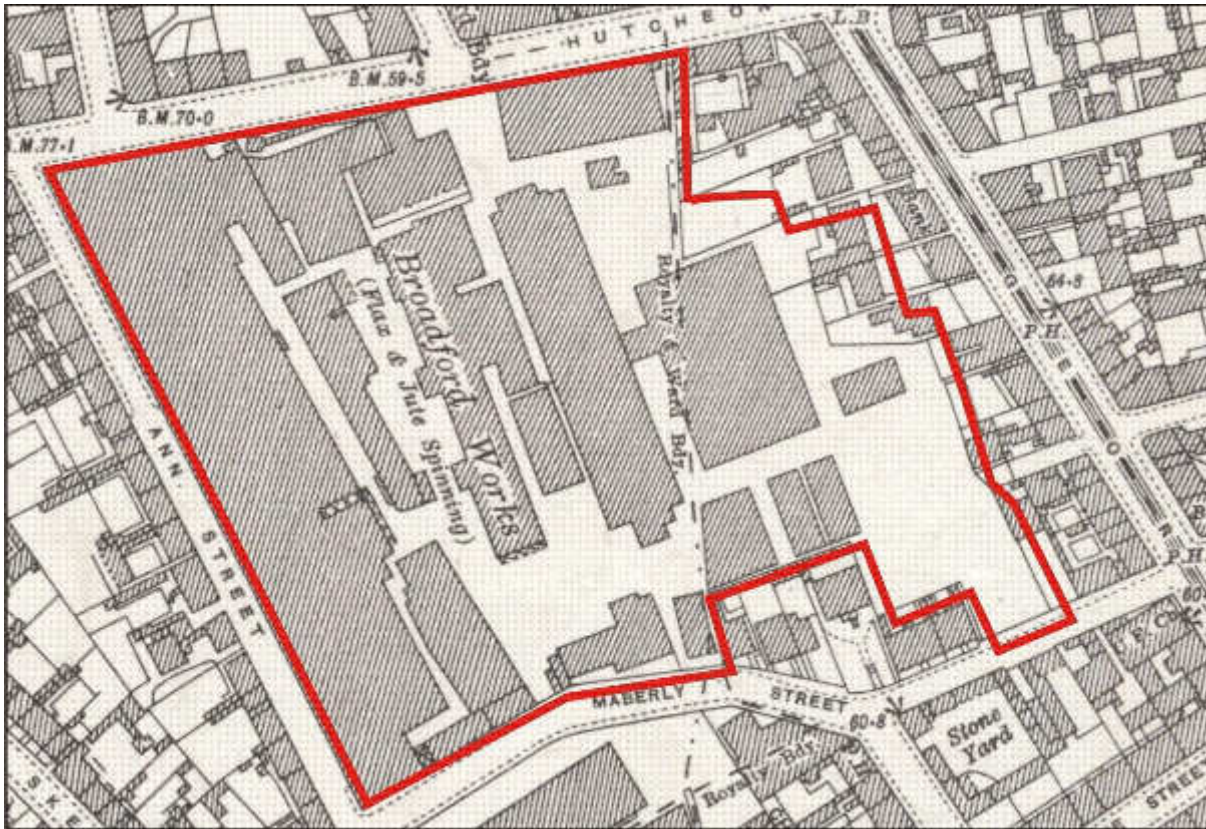
Illus 164 Gibb's map of 1888 showing Broadford Works with approximate area of proposed development outlined in red (copyright National Library of Scotland)



Illus 165 Second Edition Ordnance Survey map showing Broadford Works with approximate area of proposed development outlined in red. Aberdeenshire 075.11 (includes: Aberdeen) Publication date: 1902 Revised: 1899/1900 (copyright National Library of Scotland)



Illus 166 Town Plan of 1915 showing Bradford Works with approximate area of proposed development outlined in red (copyright National Library of Scotland)



Illus 167 Third edition OS map showing Broadford Works with approximate area of proposed development outlined in red. (copyright National Library of Scotland) Aberdeenshire 075.11 (includes: Aberdeen) Publication date: 1926 Revised: 1924 Levelled: 1899/1900

## APPENDIX 2 FEATURES RECORDED IN THIS SURVEY

F1	Cast iron plate SW exterior wall Building 90
F2	Cast iron pillars Building 90
F3	Cast iron ducting for services, WSW wall Building 89. FRASER, Douglas & Sons, Ltd., Westburne Foundry, Arbroath, Scotland. T. A.: "Fraser Arbroath." T. N.: Arbroath 133. Established 1834. Incorporated as a Limited Co. in 1905. Employees: 620. Directors: John Fraser, Norman Fraser, Henry Fraser, Gordon Fraser and William Swan. Products.— Textile machinery for jute, flax and hemp; belt and rope pulleys; shafting and gearing. Graces Guide <a href="http://www.gracesguide.co.uk/1922_Who's_Who_In_Engineering:_Company_F">http://www.gracesguide.co.uk/1922_Who's_Who_In_Engineering:_Company_F</a>
F4	Cassie surface between Buildings 88/89/90 and 84
F5	as F3 WSW wall Building 88
F6	cast iron down pipe fittings junction Buildings 89 and 88 WSW wall
F7	cast iron pillars Building 88
F8	as F3 WSW wall Building 88
F9	apertures ENE wall buildings 90/89/88
F10	wall between Broadford works and rear George St



F11	Granite cobble (cassie) surface NE of Building 88/89/90
F12	Metal spiral staircase SE corner of building 68
F13	Cobbled surface SW side Building 68
F14	Fire/2 extinguishers/behind door' cast iron plates beside each door on west elevation Building 68 (only 2 photographed)
F15	Fire/2 extinguishers/behind door' cast iron plates beside each door on west elevation Building 68 (only 2 photographed)
F16	Cobbled surface between Buildings 43 and 84
F17	Gas fired cast iron street lamp with flower and leaf decoration S wall Building 52
F18	wall 3m long 3m high attached to NE corner Building 54
F19	Sandstone blocks forming triangular 'lintel' to allow upper floor to be created whilst maintaining lane between Buildings 51 and 50
F20	Cobbled lane between Buildings 51 and 50 sloping up towards Building 30
F21	wood link between Building 51 and 47
F22	Wooden walkway between Building 51 and Building 26
F23	<p>Weighbridge Structure 'Pooley, Birmingham, England'. Henry Pooley and Son Albion Foundry, Liverpool, 72 John Bright Street, Birmingham. Telephone: Birmingham Midland 1737. Cables: "Pooley, Birmingham". (1929)</p> <p>Pooleys were a firm of mechanical engineers, founded in Liverpool in the 18th century. Shown as Pooley of Liverpool in Heath Mill Lane, Birmingham.</p> <p>c.1790 Business established by Henry Pooley senior, to make scale beams</p> <p>c.1830 Henry's son Henry Pooley was admitted to the firm as a partner</p> <p>c.1835 They started to make platform scales. Their main office was at the Albion Foundry, Liverpool. (Grace's Guide to British Industrial History online).</p> <p>1835 Railway weighbridges were introduced by the firm.</p> <p>Henry Pooley and Son was the biggest manufacturer of weighing machines in its time. They were often used in quarries to weigh rock.</p> <p>Some machines were shipped to America during the Gold Rush.</p> <p>1851 Award at the 1851 Great Exhibition. See details at 1851 Great Exhibition: Reports of the Juries: Class V.</p> <p>1869 Advert. Weighing apparatus. Contractors for railway plant. general iron and tin plate merchants. [2]</p> <p>1876 Mention that they are not exhibitors at the Royal Agricultural Show at Birmingham of their weighing equipment. [3]</p> <p>1894 June. Royal Agricultural Society's Show. Cattle weighbridge.</p> <p>1896 The main works were moved from Liverpool to Kidsgrove, Staffs., and the head office to Birmingham.[5]</p> <p>1897 Company founded.</p> <p>1900 The company was registered on 20 March, to take over the business of weighing machine manufacturers of a private company of similar title.</p> <p>Works acquired in Smethwick for manufacture of smaller scales.</p> <p>c.1912 Acquired Hodgson and Stead Ltd and Bartlett and Son Ltd, enabling the company to make a full range of scales and weighing machines</p> <p>1913 The company was absorbed by W. and T. Avery.</p> <p>1914 Private company.</p> <p>1914 Manufacturers of weighbridges, weighing machines, scale beams, weights and shop fittings. Employees 1,500.</p> <p>1923 Patent - A new or improved means for electrically indicating and recording weighments.</p> <p>1924 Patent - Improvements in and connected with printing or recording mechanism for weighing apparatus.</p>

	1929 Listed Exhibitor - British Industries Fair. Refers to Bartlett and Son Ltd. (See above) 1961 Manufacturers of weighing machines and scales. 330 employees.
F24	Cast iron railings for main gate on Maberly St
F25	Cast iron ventilation cover NW façade Building 4A
F26	Cast iron pillars Building 32 ground floor
F27	Cobbled road W of Buildings 48/45/44/43
F28	L-shaped bracket for housing pipe?
F29	Cast iron street lamp with flower and leaf decoration E side Building 45 with makers mark 'McDowall Steven & Co/Falkirk & ????????' Post 1934. McDowall Steven & Co Ltd Established in Glasgow in 1834. Set up works in Laurieston in 1904 and became part of Allied Ironfounders in 1929. Laurieston works closed in 1958. Castlaurie Iron Works was set up by Falkirk Iron Co in 1875 and taken over by McDowall Steven & Co in 1934. Both companies were part of Allied Ironfounders by 1934. The Castlaurie works closed in 1958. McDowall Steven & Co was incorporated in 1894 with the registration number SC002628, and was dissolved in 1964. Falkirk archives online <a href="http://www.falkirkcommunitytrust.org/heritage/archives/finding-aids/docs/business/Iron_foundries_and_iron_industries.pdf">http://www.falkirkcommunitytrust.org/heritage/archives/finding-aids/docs/business/Iron_foundries_and_iron_industries.pdf</a>
F30	cart tracks between buildings 88 and 85
F31	Building 84 3rd floor cart tracks and decorated ironwork with motif
F32	Bell tower SE end Building 43 including mechanism on top floor interior SE gable for ringing bell
F33	Gas lamp NE corner of site; Aberdeen crest (Leopards) under foliage and name MCFARLANE & CO/GLASGOW. Products of Walter Macfarlane & Co's Saracen Foundry reached to the heart of the British Empire, as is shown by this engraving of lamp pillars, etc, attached to the dome of an underground lavatory at Piccadilly, London. The illustration is taken from the firm's catalogue published in 1911.  Walter Macfarlane & Co 1850-1965 manufactured a wide range of cast iron lamp posts, brackets and other fixtures and fittings which were suitable for both gas and electric lighting. It was claimed that these accessories would enable local authorities to meet their responsibilities for the provision of public lighting, while businesses would be able to enhance the appearance of their premises.
F34	Granite pillared entrance Hutcheon St
F35	Building 18 N wall vent or small window with cast iron surround and metal door inscribed 'Fraser' - see F3
F36	Building 18 N wall vent or small window with cast iron surround and metal door inscribed 'Fraser' - see F3
F37	Building 18 N wall metal vent between F34 and F35
F38	Cobbled floor Building 102
F39	Concrete channel running along length of Building 102, a wash bay
F40	Cast iron rails (Building 102)
F41	West Burn, Main culvert open at the n edge of the site, Hutcheon St
F42	Beam slot Building 103 N face
F43	Cobbled lane between Buildings 47 and 51 steeply sloping down to E
F44	External concrete stair on W wide Building 99 leading to 1st floor walkway 100
F45	Tracks around S end Building 90 to buildings that stood on site before Buildings 92-94

F46	Gate posts Maberly St
F47	Modern brick wall with X-shaped prop ties
F48	Brick and stone rubble increased height of stone wall F49
F49	Stone wall with granite capping - earlier wall raised in height with brick F48
F50	Wooden stop barrier W side Building 68 at end of tracks F14
F51	Cast iron framed inspection hatch with FRASER inscribed on lintel (see F3, F35)
F52	Building 22 concrete stair partially covering aperture N wall Building 21 and therefore later
F53	Cast iron stair Building 21 E façade to roof
F54	cobbled floor int Building 52
F55	cobbled lane S side Building 52
F56	Cart tracks Building 52 to boiler F52/7
F57	partition wall Building 52
F58	boiler stoke hole and flue Building 52
F59	partition wall Building 52
F60	buttress N wall Building 52
F61	buttress N wall Building 52
F62	buttress N wall Building 52
F63	Cart tracks under Building 94 meeting F45 at N end
F64	Hutcheon Street wall. Prop end X-shaped 40cm diameter. 3 with hexagonal central bolt head and one with round bolt head. One broken strut with no head present
F65, F66	Sandstone roundels W façade Building 85 above door D85/8
F67	Sandstone date plaque 1914 below window W85/19
F68	Internal wall Building 52

### APPENDIX 3 PLANS AND ILLUSTRATIONS HELD BY ABERDEEN ART GALLERY & MUSEUMS

Object Number	Display Name	Attribution	Title	Object Name	Dated
ABDMS068575	J. & J. Hay	Published by J and J Hay, Associated with Keith & Gibb, Associated with Richards	Broadford Works Aberdeen	Lithograph	1842-1864
ABDMS040043.1	Richards	Associated with Richards	Isometric Plan Broadford Works	Plan	1866
ABDMS087954	Richards	Associated with Richards	Broadford Works, New Tower Layout and Sections (Hose Lining Tower)	Plan	1961
ABDMS087955	Richards	Associated with Richards	Site Plan for Proposed Layout of Flax Line MCY.	Plan	20th Century

			Richards Ltd, Broadford Works		
ABDMS087956	Richards	Associated with Richards	Site Plan for Layout of Flax Machinery for Messrs Richards Ltd.	Plan	20th Century
ABDMS087960	Richards	Associated with Richards	Site Plan for the No.3 and 4 New South Mill. for Richards Ltd., Aberdeen	Site Plan Site Plan Site Plan	20th Century

## APPENDIX 4 DOCUMENTS HELD BY ABERDEEN CITY COUNCIL ARCHIVES

Level	Ref_No	Title	Date	Extent
Fonds/Coll ection	DD1744	Records of Richards plc, textile manufacturers of Broadford Works, Aberdeen	1879 - 2004	c. 7 linear metres (1 box, 42 volumes, 111 files, 6 bundles, 20 booklets, 258 documents, 41 photographs, 3 items, 1 plan and 1 envelope)
Sub fonds	DD1744/1	Richards Corporate Records	1898 - 2003	32 files, 192 documents
Series	DD1744/1/ 1	Richards Foundation Records	1898	1 document
Item	DD1744/1/ 1/1	Richards Limited Certification of Incorporation as a Limited Company	10 Oct 1898	1 document
Series	DD1744/1/ 2	Richards Minutes	1981 - 2003	27 files, 19 documents
Sub series	DD1744/1/ 2/1	Richards Board Meetings Minutes and Reports	1981 - 2000	2 files, 8 documents
Item	DD1744/1/ 2/1/1	Richards plc Board unsigned minutes and agendas	Jan 1981 - Dec 1983	1 file
Item	DD1744/1/ 2/1/2	Richards plc Board unsigned minutes, agenda and share transfers	Jan 1984 - Sep 1987	1 file
Item	DD1744/1/ 2/1/3	Richards plc Board report	Dec 1997	1 document
Item	DD1744/1/ 2/1/4	Richards plc Board report	Apr 1998	1 document

Item	DD1744/1/ 2/1/5	Richards plc Board report	Mar 1999	1 document
Item	DD1744/1/ 2/1/6	Richards plc Monthly report	Apr 1999	1 document
Item	DD1744/1/ 2/1/7	Richards plc Monthly report	Nov 1999	1 document
Item	DD1744/1/ 2/1/8	Richards plc Monthly report	Nov 2000	1 document
Item	DD1744/1/ 2/1/9	Richards of Aberdeen Limited Monthly Report	Feb 1999	1 document
Item	DD1744/1/ 2/1/10	Richards of Aberdeen Limited Monthly Report	Mar 1999	1 document
Sub series	DD1744/1/ 2/2	Richards Board and Executive Meetings Minutes	1998 - 2001	18 files
File	DD1744/1/ 2/2/1	Richards plc Board and Executive Meetings Minutes and Papers	Feb - Nov 1998	1 bundle of 17 files and loose papers
Item	DD1744/1/ 2/2/2	Richards plc Board and Executive Meetings Minutes and Papers	Feb 1998 - Jun 2001	1 file
Sub series	DD1744/1/ 2/3	Richards Management Meetings Minutes	2002 - 2003	1 file
Item	DD1744/1/ 2/3/1	Richards plc Management Meetings Minutes and Agendas	Sep 2002 - Mar 2003	1 file
Sub series	DD1744/1/ 2/4	Richards Division Management Meetings Minutes	1983 - 1986	2 files
Item	DD1744/1/ 2/4/1	Richards plc Carpet Yarn Division Management Meetings Minutes and Agenda	Nov 1983 - Jun 1986	1 file
Item	DD1744/1/ 2/4/2	Richards plc Furnishing Yarn Division Management Meetings Minutes and Agendas	Jan 1984 - Jun 1986	1 file
Sub series	DD1744/1/ 2/5	Richards of Aberdeen Limited Health and Safety Executive Committee Minutes	1993 - 2002	4 files
Item	DD1744/1/ 2/5/1	Richards of Aberdeen Limited Health and Safety Executive Committee Minutes	Aug 1993 - Sep 1995	1 file

Item	DD1744/1/ 2/5/2	Richards of Aberdeen Limited Health and Safety Executive Committee Minutes	Sep 1995 - Sep 1997	1 file
Item	DD1744/1/ 2/5/3	Richards of Aberdeen Limited Health and Safety Executive Committee Minutes	Sep 1997 - Apr 2000	1 file
Item	DD1744/1/ 2/5/4	Richards of Aberdeen Limited Health and Safety Executive Committee Minutes	Apr 2000 - Mar 2002	1 file
Sub series	DD1744/1/ 2/6	Richards: Other Minutes	2001	1 document
Item	DD1744/1/ 2/6/1	Richards plc Minutes of McLean/Wimpey and HQC/Richards Carpet Group meeting	Dec 2001	1 document
Series	DD1744/1/ 3	Richards Annual Report and Accounts	1899 - 2001	140 documents
File	DD1744/1/ 3/1	Richards Limited Report and Accounts	1899 - 1981	83 documents
File	DD1744/1/ 3/2	Richards plc Report and Accounts	1982 - 2001	17 documents
File	DD1744/1/ 3/3	Richards Limited Unaudited Interim Statements	1978 - 1981	3 documents
File	DD1744/1/ 3/4	Richards plc Unaudited Interim Statements	1982 - 1999	16 documents
File	DD1744/1/ 3/5	Anderson and Chalmers Limited Report and Accounts	1961 - 1978	7 documents
Item	DD1744/1/ 3/6	Maberley Investments Limited Report and Accounts	1962 - 1977	4 documents
Sub series	DD1744/1/ 3/7	Richards Reports and Accounts of other Subsidiary and Holding Companies	1972 - 1974	10 documents
Item	DD1744/1/ 3/7/1	Broadford Nominees (1972) Limited Report and Accounts	1974	1 document
File	DD1744/1/ 3/7/2	Kilgour & Walker (Sales) Limited/Chapel Street Nominees (1972) Limited Report and Accounts	1972 - 1974	2 documents

Item	DD1744/1/ 3/7/3	Hutcheon Street Nominees (1972) Limited Report and Accounts	1974	1 document
File	DD1744/1/ 3/7/4	John Martin and Company (Anstruther) Limited Report and Accounts	1972 - 1974	2 documents
Item	DD1744/1/ 3/7/5	Richards Dublin Accounts	1972	1 document
Item	DD1744/1/ 3/7/6	Richards (Fire Hose) Limited Report to Directors and Balance Sheet	1974	1 document
Item	DD1744/1/ 3/7/7	Richards (Industrial Textiles) Limited Report to Directors and Balance Sheet	1974	1 document
Item	DD1744/1/ 3/7/8	Richards (Synthetics) Limited Report to Directors and Balance Sheet	1974	1 document
Series	DD1744/1/ 4	Richards Accounts	1934 - 1968	23 documents
Item	DD1744/1/ 4/1	Richards Limited Valuation of Stock-in- Trade as at 27 January 1934	14 Mar 1934	1 document
File	DD1744/1/ 4/2	Richards Limited Profit and Loss Account and Balance Sheet (signed)	30 Sep 1934	2 documents
Item	DD1744/1/ 4/3	Richards Limited Profit and Loss Account and Balance Sheet (signed)	30 Sep 1936	1 document
Item	DD1744/1/ 4/4	Richards Limited Profit and Loss Account and Balance Sheet (signed)	30 Sep 1937	1 document
Item	DD1744/1/ 4/5	Richards Limited Profit and Loss Account and Balance Sheet (signed)	30 Sep 1938	1 document
Item	DD1744/1/ 4/6	Richards Limited Profit and Loss Account and Balance Sheet (signed)	30 Sep 1939	1 document
Item	DD1744/1/ 4/7	Richards Limited Profit and Loss Account and Balance Sheet (signed)	30 Sep 1940	1 document

Item	DD1744/1/ 4/8	Richards Limited Profit and Loss Account and Balance Sheet (signed)	30 Sep 1941	1 document
Item	DD1744/1/ 4/9	Richards Limited Profit and Loss Account and Balance Sheet (signed)	30 Sep 1942	1 document
Item	DD1744/1/ 4/10	Richards Limited Profit and Loss Account and Balance Sheet (signed)	30 Sep 1943	1 document
Item	DD1744/1/ 4/11	Richards Limited and Subsidiary Company Consolidated Accounts (signed)	30 Sep 1956	1 document
Item	DD1744/1/ 4/12	Richards Limited and Subsidiary Company Consolidated Accounts (signed)	30 Sep 1957	1 document
Item	DD1744/1/ 4/13	Richards Limited Accounts (signed)	30 Sep 1958	1 document
Item	DD1744/1/ 4/14	Richards Limited and Subsidiary Company Consolidated Accounts (signed)	30 Sep 1958	1 document
Item	DD1744/1/ 4/15	Richards Limited and Subsidiary Company Consolidated Accounts (signed)	30 Sep 1959	1 document
Item	DD1744/1/ 4/16	Richards Limited and Subsidiary Company Consolidated Accounts (signed)	30 Sep 1960	1 document
Item	DD1744/1/ 4/17	Richards Limited and Subsidiary Company Consolidated Accounts (signed)	30 Sep 1961	1 document
Item	DD1744/1/ 4/18	Richards Limited Accounts (signed)	30 Sep 1962	1 document
Item	DD1744/1/ 4/19	Richards Limited and Subsidiary Companies Consolidated Accounts (signed)	30 Sep 1962	1 document
Item	DD1744/1/ 4/20	Richards Limited Accounts and Consolidated Accounts (signed)	30 Sep 1963	1 document



Item	DD1744/1/ 4/21	Richards Limited Accounts and Consolidated Accounts (signed)	30 Sep 1965	1 document
Item	DD1744/1/ 4/22	Richards Limited Accounts (signed)	30 Sep 1968	1 document
Series	DD1744/1/ 5	Richards Notices to Shareholders	1982 - 1988	9 documents
Item	DD1744/1/ 5/1	Richards plc Notice to Shareholders: Sale of Garthdee Property	21 Sep 1982	1 document
Item	DD1744/1/ 5/2	Richards plc Notice to Shareholders: Sale of Garthdee Property	1 May 1985	1 document
Item	DD1744/1/ 5/3	Richards plc Notice to Shareholders: Sale of Property at Garthdee	3 Mar 1986	1 document
Item	DD1744/1/ 5/4	Richards plc Notice to Shareholders: Sale of Garthdee Property; Extraordinary General Meeting	21 Mar 1986	1 document
Item	DD1744/1/ 5/5	Richards plc Notice to Shareholders: Acquisition of Kingsmead Carpets Limited; Extraordinary General Meeting	11 Jul 1986	1 document
Item	DD1744/1/ 5/6	Richards plc Notice to Shareholders: Acquisition by Richards plc of the Lovat group	11 Sep 1987	1 document
Item	DD1744/1/ 5/7	Richards plc Notice to Shareholders: Details of an Issue	27 Sep 1987	2 documents
Item	DD1744/1/ 5/8	Richards plc Notice to Shareholders: Preliminary results; Proposed acquisition of Spence Bryson Limited; Proposed rights issue; Extraordinary General Meeting	9 Dec 1988	1 document
Series	DD1744/1/ 6	Richards Annual Returns	1976 - 1980	5 files
File	DD1744/1/ 6/1	Richards Limited: Copy of 1976 annual returns with	1976	1 file

		signed report and accounts for 1975		
File	DD1744/1/6/2	Richards Limited: Copy of 1977 annual returns with signed report and accounts for 1976	1977	1 file
File	DD1744/1/6/3	Richards Limited: Copy of 1978 annual returns with signed report and accounts for 1977	1978	1 file
File	DD1744/1/6/4	Richards Limited: Copy of 1978 and 1979 annual returns with signed report and accounts for 1978	1978 - 1979	1 file
File	DD1744/1/6/5	Richards Limited: Copy of 1980 annual returns with signed report and accounts for 1979	1980	1 file
Sub fonds	DD1744/2	Richards Administrative Records	1900 - 2003	35 files, 2 bundles, 26 documents
Series	DD1744/2/1	Richards Central Administration files	1979 - 1985	1 file
Item	DD1744/2/1/1	Richards Central Administration File 'Personnel Statistics' (labour turnover)	1979 - 1985	1 file
Series	DD1744/2/2	Richards Strategic Planning files	1979	1 file
Item	DD1744/2/2/1	Richards Strategic Planning File 'Garthdee'	1979	1 file
Series	DD1744/2/3	Richards Finance and Legal files	1979 - 1998	4 files, 4 documents
Item	DD1744/2/3/1	Richards Finance and Legal File 'Garthdee Accident'	1979 - 1985	1 file
Item	DD1744/2/3/2	Richards: University of Strathclyde reports on the Unicon Dyeing Machine	1979 - 1980	4 documents
Item	DD1744/2/3/3	Richards Finance and Legal File 'Shareholders/Stock Exchange Info'	1981 - 1997	1 file
Item	DD1744/2/3/4	Richards Finance and Legal File 'Garthdee Sale'	1979 - 1983	1 file

Item	DD1744/2/ 3/5	Richards Finance and Legal File 'Garthdee Sale'	1984 - 1998	1 file
Series	DD1744/2/ 4	Richards Finance files	1982 - 1993	1 file
Item	DD1744/2/ 4/1	Richards Finance File 'Richards Properties'	1982 - 1993	1 file
Series	DD1744/2/ 5	Richards Correspondence Files with solicitors Edmonds & Ledingham/Ledingham Chalmers	1954 - 1998	3 files
Item	DD1744/2/ 5/1	Richards Limited 'Edmonds & Ledingham' file	1954 - 1978	1 file
Item	DD1744/2/ 5/2	Richards Limited 'Lines & Lines' file	1981 - 1982	1 file
Item	DD1744/2/ 5/3	Richards: Correspondence with Edmonds & Ledingham/Ledingham Chalmers	1990 - 1998	1 file
Series	DD1744/2/ 6	Richards Property files	1978 - 2003	3 files, 1 bundle, 1 document
Item	DD1744/2/ 6/1	Richards 'Disposal of Property' file	1978 - 1993	1 file
Item	DD1744/2/ 6/2	Richards: Bundle of papers relating to sale of Garthdee site	1993 - 1997	1 bundle
Item	DD1744/2/ 6/3	Richards: Colour Sketch Layout for Accommodation at 75 Garthdee Road	March 1999	1 document
Item	DD1744/2/ 6/4	Richards: Correspondence relating to sale of Garthdee site	2000 - 2001	1 file
Item	DD1744/2/ 6/5	Richards: File relating to Richards' relocation to Granitehill	2002 - 2003	1 file
Series	DD1744/2/ 7	Richards Broadford Property files	1996 - 2001	13 files
Item	DD1744/2/ 7/1	Richards Broadford Property File 'Broadford'	1997 - 1999	1 file
Item	DD1744/2/ 7/2	Richards Broadford Property File 'Broadford'	1998 - 2001	1 file

		Works - Site Appraisal and Relocation'		
Item	DD1744/2/7/3	Richards Broadford Property File 'Broadford Works - Fees'	1999	1 file
Item	DD1744/2/7/4	Richards Broadford Property File 'Broadford Works - Aberdeen City Council Development Study Consultant's Brief'	Feb 2000	1 file
Item	DD1744/2/7/5	Richards Broadford Property File '2. Broadford Works - Floorspace'	c. 1999 - 2000	1 file
Item	DD1744/2/7/6	Richards Broadford Property File '3. Broadford Works - Paul Gee'	1998 - 1999	1 file
Item	DD1744/2/7/7	Richards Broadford Property File '4. Broadford Works - Jenkins & Marr'	1998 - 1999	1 file
Item	DD1744/2/7/8	Richards Broadford Property File '5. Broadford Works - G.E.L. Involvement'	1998 - 2000	1 file
Item	DD1744/2/7/9	Richards Broadford Property File '6. Broadford Works - A.C.C.'	1998 - 2001	1 file
Item	DD1744/2/7/10	Richards Broadford Property File '7. Broadford Works - Listing Info & Legal'	1998 - 1999	1 file
Item	DD1744/2/7/11	Richards Broadford Property File '8. Broadford Works - Greenfield Site'	1996 - 1997	1 file
Item	DD1744/2/7/12	Richards Broadford Property File '9. Broadford Works - Historic Scotland'	1998	1 file
Item	DD1744/2/7/13	Richards Broadford Property File '12. Broadford Works - Rates'	1998	1 file

Series	DD1744/2/8	Richards Strategic Reviews	1985 - 1993	6 documents
Item	DD1744/2/8/1	Richards Strategic Review April 1985	1985	1 document
Item	DD1744/2/8/2	Richards Strategic Review 1986 - 1988	1986	1 document
Item	DD1744/2/8/3	Richards plc Strategic Review 1988 - 1990	1988	1 document
Item	DD1744/2/8/4	Richards plc Strategic Review 1989 - 1991	1989	1 document
Item	DD1744/2/8/5	Richards plc Strategic Review 1990 - 1992	1990	1 document
Item	DD1744/2/8/6	Richards plc Strategic Review April 1993	1993	1 document
Series	DD1744/2/9	Richards: Other Strategic Reports	1981 - 2002	1 file, 5 documents
Item	DD1744/2/9/1	Richards Limited Diversification Report	1981	1 document
Item	DD1744/2/9/2	Richards plc 'Disconnected Jottings' strategy document	1988	1 document
Item	DD1744/2/9/3	Richards Furnishing Yarn Strategy Report	1988	1 file
Item	DD1744/2/9/4	Richards plc Strategy Meeting: HQC-FCI Presentation	1999	1 document
Item	DD1744/2/9/5	Richards plc Issues and Action Plans Report	2000	1 document
Item	DD1744/2/9/6	Richards plc Profile Report	2002	1 document
Series	DD1744/2/10	Richards of Aberdeen Limited Operational Review 1996/1997	1996 - 1997	1 file, 10 documents
Item	DD1744/2/10/1	Richards of Aberdeen Ltd: Profit Improvement Plan and S.I. Associates operational review reports	1996 - 1997	1 file
File	DD1744/2/10/2	Richards of Aberdeen Ltd: S.I. Associates Ltd operational review reports	1996 - 1997	10 documents
Series	DD1744/2/11	Richards Insurance Files	1971 - 1981	3 files

Item	DD1744/2/11/1	Richards Limited: Marine Insurance	1971 - 1981	1 file
Item	DD1744/2/11/2	Richards Limited: Fire Insurance for Garthdee, Broadford and Stock	1974 - 1979	1 file
Item	DD1744/2/11/3	Richards Limited: Insurance correspondence	1976 - 1978	1 file
Series	DD1744/2/12	Richards: Other Administrative files and papers	1900 - 2003	4 files, 1 bundle
Item	DD1744/2/12/1	Richards Limited: Miscellaneous papers relating to Garthdee site	1900 - 1984	1 file
Item	DD1744/2/12/2	Richards of Aberdeen Ltd: Staff Terms and Conditions file	1991 - 1992	1 file
Item	DD1744/2/12/3	Richards plc: Papers relating to staffing at Spence Bryson and Kingsmead Carpets	1994 - 1995	1 file
Item	DD1744/2/12/4	Richards plc 'McGrigor Donald' file	1997 - 1998	1 file
Item	DD1744/2/12/5	Richards of Aberdeen Limited: Papers relating to 1998 reshaping of the business and 2003 relocation to Northfield	1998 - 2003	1 bundle
Sub fonds	DD1744/3	Richards Financial Records	1957 - 2001	6 volumes, 25 files, 2 bundles, 1 document
Series	DD1744/3/1	Richards Financial Ledgers	1957 - 1999	6 volumes
Item	DD1744/3/1/1	Richards Control Ledger and Sundry Debit Ledger	Sep 1957 - 1987	1 volume
Item	DD1744/3/1/2	Richards Cash Paid Ledger	Oct 1960 - Sep 1976	1 volume
Item	DD1744/3/1/3	Richards Cash Received Ledger	Dec 1969 - May 1972	1 volume
Item	DD1744/3/1/4	Richards Cash Received Ledger	May 1972 - Feb 1975	1 volume
Item	DD1744/3/1/5	Richards Cash Received Ledger	Feb 1975 - Nov 1977	1 volume
Item	DD1744/3/1/6	Richards Private Cash Ledger	1980 - 1999	1 volume

Series	DD1744/3/2	Richards Departmental Accounts	1976 - 1978	2 bundles
Item	DD1744/3/2/1	Richards Departmental Accounts	Oct 1976 - Sep 1977	1 bundle
Item	DD1744/3/2/2	Richards Departmental Accounts	Oct 1977 - Sep 1978	1 bundle
Series	DD1744/3/3	Richards Management Accounts	1985 - 2001	16 files, 1 document
Item	DD1744/3/3/1	Richards plc Knitwear Yarn Division Management Accounts/Budget	Oct 1985 - Sep 1986	1 file
Item	DD1744/3/3/2	Richards of Aberdeen Limited Management Accounts	Jan - Sep 1989	1 file
Item	DD1744/3/3/3	Richards of Aberdeen Limited Management Accounts	Oct 1992 - Sep 1993	1 file
File	DD1744/3/3/4	Richards of Aberdeen Limited Management Accounts	Sep 1996 - Sep 1997	12 files
Item	DD1744/3/3/5	Richards plc Management Accounts	Jun 1998	1 file
Item	DD1744/3/3/6	Richards of Aberdeen Limited Management Accounts	Jul 2001	1 document
Series	DD1744/3/4	Richards Finance Files	1995 - 2001	9 files
Item	DD1744/3/4/1	Richards plc Six Month Forecast	1995	1 file
Item	DD1744/3/4/2	Richards plc Budget Review 1995/1996	1995	1 file
Item	DD1744/3/4/3	Richards of Aberdeen Limited 1996/1997 Budget Review	1996	1 file
Item	DD1744/3/4/4	Richards plc 1996/1997 Group Budgets	1996	1 file
Item	DD1744/3/4/5	Richards plc 1997/1998 Group Budget	1997	1 file
Item	DD1744/3/4/6	Richards plc: File marked 'Accounts'	Apr - Jul 1999	1 file
Item	DD1744/3/4/7	Richards plc: File marked 'Finance' containing Monthly Report Packages	Jul 2000	1 file

Item	DD1744/3/4/8	Richards plc: File marked 'Group Accounts' containing Monthly Report Packages	Jul 2001	1 file
Item	DD1744/3/4/9	Richards plc: File marked 'Management Accounts' containing Monthly Report Packages	Sep 2001	1 file
Sub fonds	DD1744/4	Richards Operational Records	1879 - 2004	21 volumes, 1 bundle, 1 document
Series	DD1744/4/1	Richards & Company Pattern Book	1879 - 1881	1 volume
Item	DD1744/4/1/1	Richards & Company Pattern Book	1879 - 1881	1 volume
Series	DD1744/4/2	Richards Limited Weaving Production Books	1903 - 1942	5 volumes
Item	DD1744/4/2/1	Richards Limited Weaving Production Book	3 Mar 1903 - 4 Apr 1905	1 volume
Item	DD1744/4/2/2	Richards Limited Weaving Production Book	11 Apr 1905 - 23 Apr 1907	1 volume
Item	DD1744/4/2/3	Richards Limited Weaving Production Book	10 Jun 1913 - 10 Aug 1913	1 volume
Item	DD1744/4/2/4	Richards Limited Weaving Production Book	9 Jul 1918 - 10 Jan 1922	1 volume
Item	DD1744/4/2/5	Richards Limited Weaving Production Book	11 Sep 1937 - 4 Jul 1942	1 volume
Series	DD1744/4/3	Richards Limited: Other Weaving Production Books	1900 - 1958	5 volumes
Item	DD1744/4/3/1	Richards Limited Weaving Production or Construction Book	Dec 1900 - July 1903	2 volumes
Item	DD1744/4/3/2	Richards Limited Weaving Production Book	10 Sep 1930 - 6 Jul 1931	1 volume
Item	DD1744/4/3/3	Richards Limited Weaving Production Book	9 May 1936 - 28 Nov 1939	1 volume



Item	DD1744/4/ 3/4	Richards Limited Power Loom 'Daily Weaving Book'	19 Aug 1939 - 19 Jun 1943	1 volume
Item	DD1744/4/ 3/5	Richards Limited Weaving Production Book	29 Sep 1951 - 30 Aug 1958	1 volume
Series	DD1744/4/ 4	Richards Limited Fabric Ledgers	1940s	4 volumes
Item	DD1744/4/ 4/1	Richards Limited 'Fabric Ledger No. 1 to B1059'	1940s	1 volume
Item	DD1744/4/ 4/2	Richards Limited 'Fabric Ledger No. 2 from B1060'	1940s	1 volume
Item	DD1744/4/ 4/3	Richards Limited 'Fabric Ledger No. 3 A3270 - B1190'	Late 1940s	1 volume
Item	DD1744/4/ 4/4	Richards Limited 'Fabric Ledger No. 5 B1327 to TJ4'	Late 1940s	1 volume
Series	DD1744/4/ 5	Richards Limited: Other Operational Ledgers	1920 - 1934	2 volume
Item	DD1744/4/ 5/1	Richards Limited Fabric Record Book	1 Oct 1920 - 4 Dec 1934	1 volume
Item	DD1744/4/ 5/2	Richards Limited Winding Book	26 May 1925 - 27 Sep 1932	1 volume
Series	DD1744/4/ 6	Richard Limited Sample Books	1971 - 1977	1 volume
Item	DD1744/4/ 6/1	Richards Limited Sample Book 'Foreign Orders No. 4'	Jun 1971 - Oct 1977	1 volume
Series	DD1744/4/ 7	Richard Limited Raw Materials Ledger	1971 - 1976	1 volume
Item	DD1744/4/ 7/1	Richards Limited Raw Materials Contracts Ledger	Dec 1971 - Apr 1976	1 volume
Series	DD1744/4/ 8	Richards Goods Received and Dispatched Ledgers	1976 - 2004	2 volumes, 1 bundle
Item	DD1744/4/ 8/1	Richards Goods Outward and Inward Ledger	1976 - 1980	1 volume
Item	DD1744/4/ 8/2	Richards Pages from Outward Goods Ledger	May 1980 - August 1985	1 bundle

Item	DD1744/4/8/3	Richards Goods Received and Despatched Ledger	2000 - 2004	1 volume
Series	DD1744/4/9	Richards of Aberdeen Limited: Production Reports	2001	1 document
Item	DD1744/4/9/1	Richards of Aberdeen Limited Production Report	Dec 2001	1 document
Sub fonds	DD1744/5	Richards Sales and Marketing Records	1960s - 2004	1 volume, 5 files, 17 booklets, 2 documents
Series	DD1744/5/1	Richards Customer lists	1980s	1 volumes
Item	DD1744/5/1/1	Richards Knitwear Address Book	c. 1980s	1 volume
Series	DD1744/5/2	Richards Price Lists	1982 - 2000	2 files
Item	DD1744/5/2/1	Richards plc Yarn Description Sheets and Prices Quoted	1982 - 1985	1 file
Item	DD1744/5/2/2	Richards of Aberdeen Limited Sales Office Carpet Yarn Prices	1996 - 2000	1 file
Series	DD1744/5/3	Richards Complaints	1997	1 file
Item	DD1744/5/3/1	Richards of Aberdeen Limited Carpets and Upholstery Yarns Division Complaints	1997	1 file
Series	DD1744/5/4	Richards Brochures, Publicity Materials and Company Website	1960s - 2004	17 booklets, 1 file, 2 documents
Item	DD1744/5/4/1	Richards Limited brochure	Late 1960s	1 booklet
Item	DD1744/5/4/2	Richards Limited: Textile Month 'The World of Richards' advertisement feature	Oct 1975	2 booklets
Item	DD1744/5/4/3	Richards Limited Duradon Extra synthetic canvas brochure	1977	1 booklet
Item	DD1744/5/4/4	Richards Limited: Knitting International feature on Richards	Sep 1978	1 document

Item	DD1744/5/4/5	Richards Limited Duradon synthetic canvas brochure	1970s	1 booklet
Item	DD1744/5/4/6	Richards Limited Flax commemorative booklet	1970s	1 booklet
Item	DD1744/5/4/7	Richards Limited Fire Hose products leaflet	1970s	1 booklet
File	DD1744/5/4/8	Richards plc Knitwear Effect Yarn Spring and Autumn Collection Product Lists	1985 - 1990	9 booklets
Item	DD1744/5/4/9	Richards of Aberdeen Limited brochure	c. 1990s	1 booklet
Item	DD1744/5/4/10	Richards plc 'Flying Colours' Air Miles scheme pack	1995	1 file
Item	DD1744/5/4/11	Richards of Aberdeen Limited website	2004	1 document
Series	DD1744/5/5	Richards Promotional Events Files	1988	1 file
Item	DD1744/5/5/1	Richards plc Autumn 1988 New Yarn Presentation	1988	1 file
Sub fonds	DD1744/6	Richards Premises Records	1928 - 1999	1 volume, 3 files, 1 document, 1 envelope
Series	DD1744/6/1	Richards Register of Assets and Other Machinery Inventories	1980s - 1999	1 file, 1 envelope, 1 document
Item	DD1744/6/1/1	Richards Machinery and Plant Serial Numbers file	c. 1980s	1 envelope
Item	DD1744/6/1/2	Richards 'Broadford Area Layout, Machinery in Store' file	1990s	1 file
Item	DD1744/6/1/3	Richards of Aberdeen Limited Broadford Works Register of Assets	1999	1 document
Series	DD1744/6/2	Richards Machinery Manuals and Brochures	1960s - 1998	2 files, 1 document
Item	DD1744/6/2/1	Richards: Lawside Engineering & Foundry Co. Ltd (LEFCO) Machinery Brochure	c. 1960s	1 document
Item	DD1744/6/2/2	Richards of Aberdeen Limited Handknit Yarn	1997 - 2001	1 file

		Balling Health and Safety Manual		
Item	DD1744/6/2/3	Richards of Aberdeen Limited Knitwear Balling Training Manual	1997 - 1998	1 file
Series	DD1744/6/3	Richards Machinery Tests	1928 - 1992	1 volume
Item	DD1744/6/3/1	Richards: Book of Reciprocating Engine's Efficiency Calculations	1928 - 1939	1 volume
Series	DD1744/6/4	Richards Site Reports	1984 - 1992	7 documents
File	DD1744/6/4/1	Richards plc: National Industrial Fuel Efficiency Service Limited (NIFES) reports on Broadford Works	1984 - 1992	7 documents
Sub fonds	DD1744/7	Richards Staff Records	1914 - 2000	13 volumes, 8 files, 3 booklets, 27 documents, 2 items
Series	DD1744/7/1	Richards Pay Records	1914 - 1966	11 volumes and 3 files
Item	DD1744/7/1/1	Richards Limited Wages Abstracts	6 Oct 1914 - 28 Sep 1915	55 sheets in 1 file
Item	DD1744/7/1/2	Richards Limited Wages Abstracts	3 Oct - 19 Dec 1916	40 sheets in 1 file
Item	DD1744/7/1/3	Richards Limited Wages Abstracts	3 Apr - 26 Jun 1917	41 sheets in a file
Item	DD1744/7/1/4	Richards Limited Weaving Department Statistics	5 Oct 1926 - 27 Sep 1927	1 volume
Item	DD1744/7/1/5	Richards Limited Weaving Department Statistics	1 Oct 1929 - 20 Sep 1930	1 volume
Item	DD1744/7/1/6	Richards Limited Weaving Department Statistics	1 Oct - 5 Nov 1932	1 volume
Item	DD1744/7/1/7	Richards Limited Handloom Weavers' Pay List	22 Sep 1934 - 12 Jun 1937	1 volume
Item	DD1744/7/1/8	Richards Limited Weaving Department Sundries Pay List	10 Jan 1953 - 25 Dec 1954	1 volume

Item	DD1744/7/ 1/9	Richards Limited Weaving Department Sundries Pay List	1 Jan 1955 - 1 Oct 1956	1 volume
Item	DD1744/7/ 1/10	Richards Limited Weaving Department Sundries Pay List	14 Apr - 15 Sep 1962	1 volume
Item	DD1744/7/ 1/11	Richards Limited Weaving Book	27 Jul 1957 - 25 Jun 1960	1 volume
Item	DD1744/7/ 1/12	Richards Limited Weaving Book	6 Jul 1957 - 18 Jun 1960	1 volume
Item	DD1744/7/ 1/13	Richards Limited 'Weaving Book No. 1'	28 Nov 1964 - 10 Dec 1966	1 volume
Item	DD1744/7/ 1/14	Richards Limited 'Weaving Book No. 2'	5 Dec 1964 - 17 Dec 1966	1 volume
Series	DD1744/7/ 2	Richards Staff Lists	1950s - 2002	1 volume, 3 files and 13 documents
Item	DD1744/7/ 2/1	Richards Limited 'Apprentices Lab[ourers] Engineers Trade School etc.' Book	1950s	1 volume
Item	DD1744/7/ 2/2	Richards 'Broadford Works Names and Addresses of Employees' File	1980s	1 file
Item	DD1744/7/ 2/3	Richards Broadford Lodgekeeper's file 'Names and Location of Operative Employees'	1984 - 1986	1 file
Item	DD1744/7/ 2/4	Richards 'Employee New Starts and Terminations' file	Apr 1999 - Dec 2002	1 file of 181 sheets
Item	DD1744/7/ 2/5	Richards List of Employees by Shift	Jun 2000	1 document, 9 pages
File	DD1744/7/ 2/6	Richards Telephone Lists	Nov 1993 - Sep 2001	12 documents
Series	DD1744/7/ 3	Richards: Other Staff Records	1916 - 2000s	1 volume, 1 document and 2 items
Item	DD1744/7/ 3/1	Richards Limited Porter's Book	12 Apr 1916 - 6 Jan 1920	1 volume
Item	DD1744/7/ 3/2	Richards List of codes for termination, length of	c. 1990s - 2000s	1 document

		service and company sick scheme		
File	DD1744/7/3/3	Richards of Aberdeen Limited Business Cards	c. 2000	2 items
Series	DD1744/7/4	Richards Staff Handbooks and Procedures	1960s - 2001	3 booklets, 1 document
Item	DD1744/7/4/1	Richards Limited Agreement between Richards and the National Union of Dyers, Bleachers and Textile Workers (Aberdeen Branch) on Wages Structure and Conditions of Employment	1968	1 booklet
Item	DD1744/7/4/2	Richards Limited Disciplinary Procedure	c. 1960s	1 booklet
Item	DD1744/7/4/3	Richards plc Disciplinary and Grievance Procedure	c. 1989	1 booklet
Item	DD1744/7/4/4	Richards of Aberdeen Limited Company Handbook	Apr 2001	1 document
Series	DD1744/7/5	Richards Group Pension Scheme Records	1998 - 2001	4 documents
Item	DD1744/7/5/1	Richards Group Pension Scheme Actuarial Valuation Report	6 Apr 1998	1 document
Item	DD1744/7/5/2	Richards Group Pension Scheme Actuarial Valuation Report	6 April 1999	1 document
Item	DD1744/7/5/3	Richards 'A Discussion Document on Future Pension provision for Richards plc'	Oct 2000	1 document
Item	DD1744/7/5/4	Richards Group Pension Scheme Quarterly Investment Report	30 Sep 2001	1 document
Series	DD1744/7/6	Richards Staff Insurance Schemes	1977 - 1981	2 files
Item	DD1744/7/6/1	Richards Limited 'Tradesmens' Group Sickness + Accident Policy' file	1977 - 1981	1 file
Item	DD1744/7/6/2	Richards Limited 'Norwich Union Group	1978 - 1981	1 file

		Life Scheme Electricians' file		
Series	DD1744/7/7	Richards Golf Club	2001	5 documents
File	DD1744/7/7/1	Richards Golf Club Newsletter Editions 7 - 11	2001	5 documents
Series	DD1744/7/8	Richards Reports to Staff	1977 - 1979	3 documents
Item	DD1744/7/8/1	Richards Limited Report to Staff: 'How did we fare in 1976?'	1977	1 document
Item	DD1744/7/8/2	Richards Limited Report to Staff: 'Richards Results 1977'	1978	1 document
Item	DD1744/7/8/3	Richards Limited Report to Staff: Letter to employees concerning financial year ending 30 September 1978	1979	1 document
Sub fonds	DD1744/8	Richards Corporate History Records	1987 - 1988	1 box, 3 files, 1 bundle, 8 documents, 1 plan, 1 photograph
Item	DD1744/8/1	Richards: 'The Book of Broadford' file, containing research notes for Andrew Cluer's history of Richards	1987 - 1988	1 file
Item	DD1744/8/2	Richards: Research notes for Andrew Cluer's history of Richards	c. 1988	1 file
Item	DD1744/8/3	Richards: 'The Book of Broadford', file of research notes for Andrew Cluer's history of Richards	c. 1988	1 box
Item	DD1744/8/4	Richards: Research notes for Andrew Cluer's history of Richards	1988 - 1989	1 bundle
Item	DD1744/8/5	Richards: Photocopy of a late 19th century Richards & Co. brochure and price list	c. 1988	1 document
Item	DD1744/8/6	Richards Limited Blank Letter Book Form	early 20th century	1 document
Item	DD1744/8/7	Richards: Black and white aerial photograph	20th century	1 photograph

		of the Broadford Works site.		
Item	DD1744/8/8	Richards: News cutting from the Arbroath Herald regarding floods at Anderson and Chalmers's weaving shed at their St Rollux Works	4 Apr 1958	1 document
Item	DD1744/8/9	Richards: Plan of 'Ground Proposed to be Required for R.E. [Royal Engineers?] Training Ground' at Garthdee	c. mid 20th century	1 plan
Item	DD1744/8/10	Richards: Photocopy of a 'Textile Times' article on Richards	1975	1 document
Item	DD1744/8/11	Richards: Extract of Scottish Information Office 'Newsletter from Scotland' profiling Richards Limited	1975	1 document
Item	DD1744/8/12	Richards: Attendance list and photocopy of a photograph of a presentation by Richards Limited	1977	1 document
Item	DD1744/8/13	Richards: Photocopy of thesis 'The History of Broadfords/Richards Ltd' by Abigail Humphries	1980s	1 file
Item	DD1744/8/14	Richards: Photocopies of 1986 articles from the Glasgow Herald and the Scotsman about Richards plc	c. 1988	2 documents
Sub fonds	DD1744/9	Richards Photographs and Objects	mid - late 20th century	40 photographs, 1 item
Series	DD1744/9/1	Richards Photographs	mid - late 20th century	40 photographs
Item	DD1744/9/1/1	Richards: Black and white photograph of boys' football team	c. 1950s	1 photograph
Item	DD1744/9/1/2	Richards: Black and white photograph 'Golf Club outing to Monymusk'	1975	1 photograph



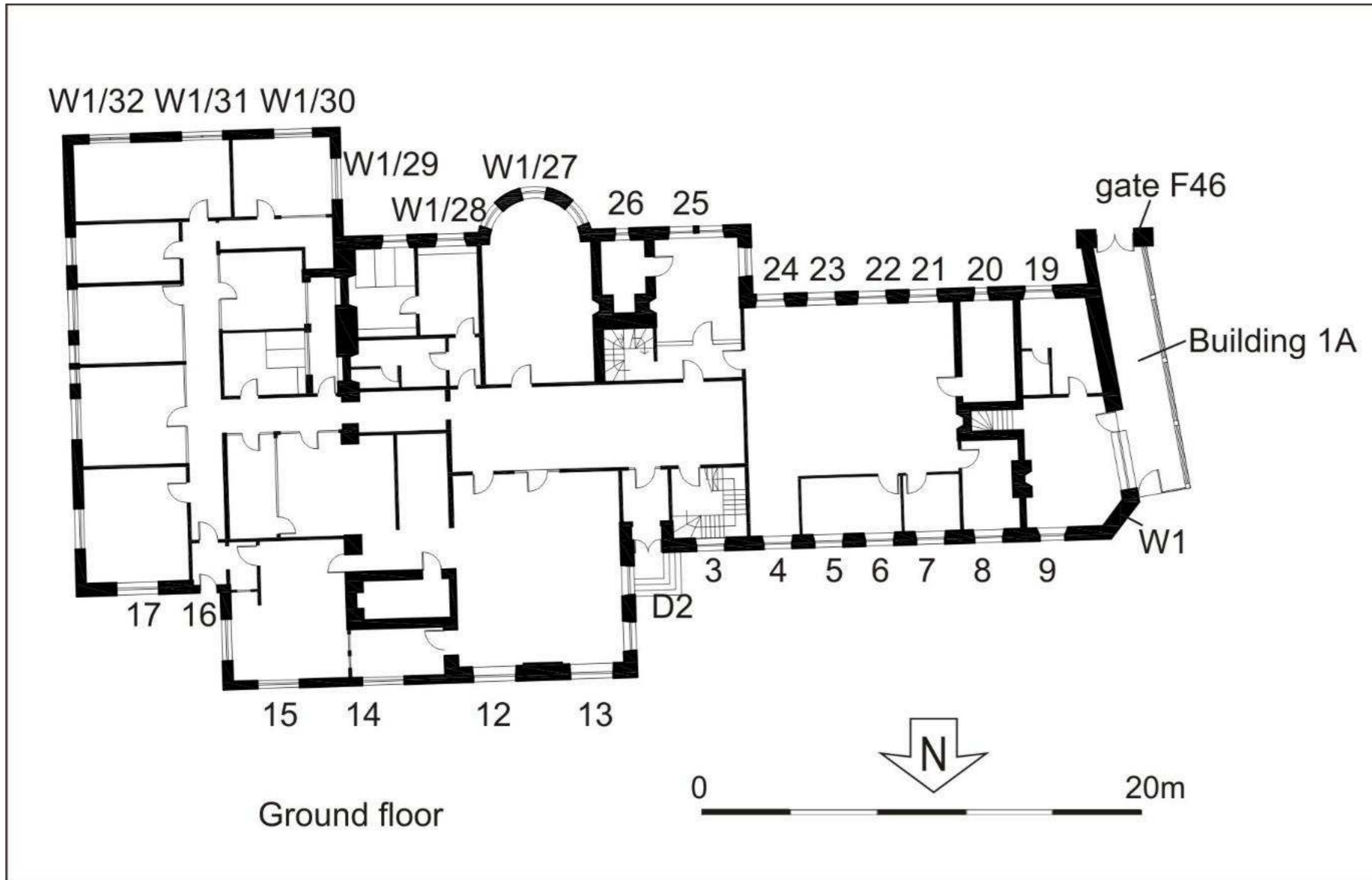
Item	DD1744/9/1/3	Richards: Black and white photographs of Chris Symington and a woman examining yarn samples	c. 1980s	4 photographs
Item	DD1744/9/1/4	Richards: Black and white photographs of Chris Symington and another man examining a Richards of Aberdeen Limited brochure	c. 1980s	2 photographs
Item	DD1744/9/1/5	Richards: Black and white photographs of a display of Richards of Aberdeen Limited's Raqal yarns	c. 1980s	1 photograph
Item	DD1744/9/1/6	Richards: Black and white photographs of table at 'The National Soiree' events	c. 1980s-1990s	2 photographs
Item	DD1744/9/1/7	Richards: Colour photographs of Christmas function	c. 1980s-1990s	4 photographs
Item	DD1744/9/1/8	Richards: Colour photographs of Chris Symington and another man at a carpet industry exhibition	c. 1980s-1990s	2 photographs
Item	DD1744/9/1/9	Richards: Colour photograph of 5 men stood in the entrance to a building,	c. 1980s-1990s	1 photograph
Item	DD1744/9/1/10	Richards: Colour photograph of 6 men around a board table examining yarns and sample books	c. 1980s-1990s	1 photograph
Item	DD1744/9/1/11	Richards: Six colour photographs and two contact prints of a presentation to a Leicester Polytechnic textiles student	c. late 1980s-1992	8 photographs
Item	DD1744/9/1/12	Richards: Colour photograph of Peter Low of Don and Low's visit to	Apr 1990	1 photograph

		Richards of Aberdeen Limited		
Item	DD1744/9/1/13	Richards: Colour photograph of Chris Symington and another man holding golf clubs, a third man holding a golf bag and a woman holding a bunch of flowers, surrounded by more people	1992	1 photograph
Item	DD1744/9/1/14	Richards: Colour panoramic photograph of 6 people around a dinner table	1990s	1 photograph
File	DD1744/9/1/15	Richards: Colour photographs of golf events	1990s	8 photographs
Series	DD1744/9/2	Richards: Objects	mid - late 20th century	1 item
Item	DD1744/9/2/1	Richards Limited 'Spinning Mistress' Fabric Patch	c. 1960s	1 item

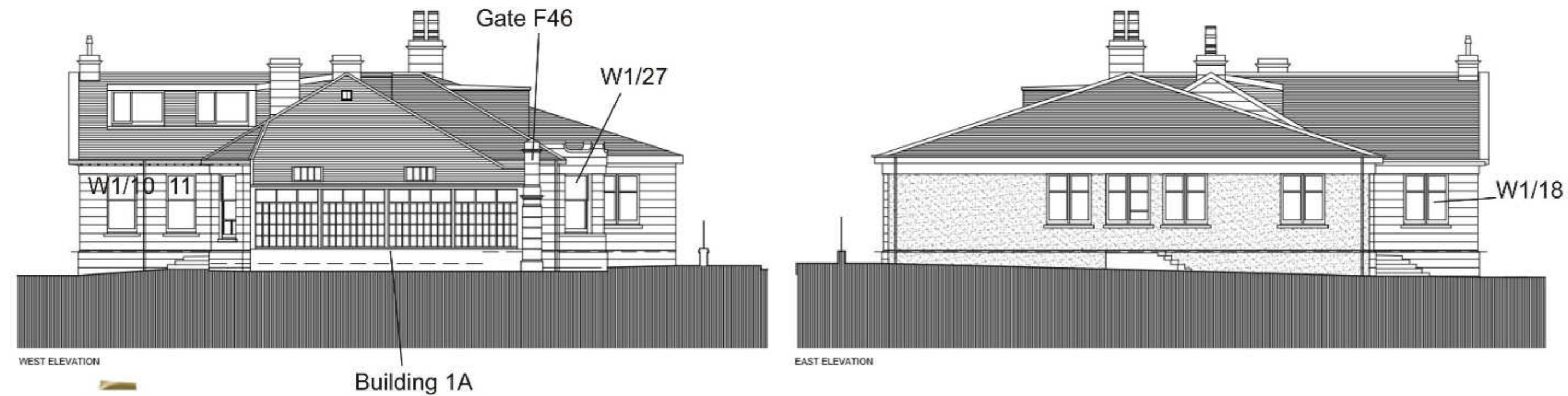
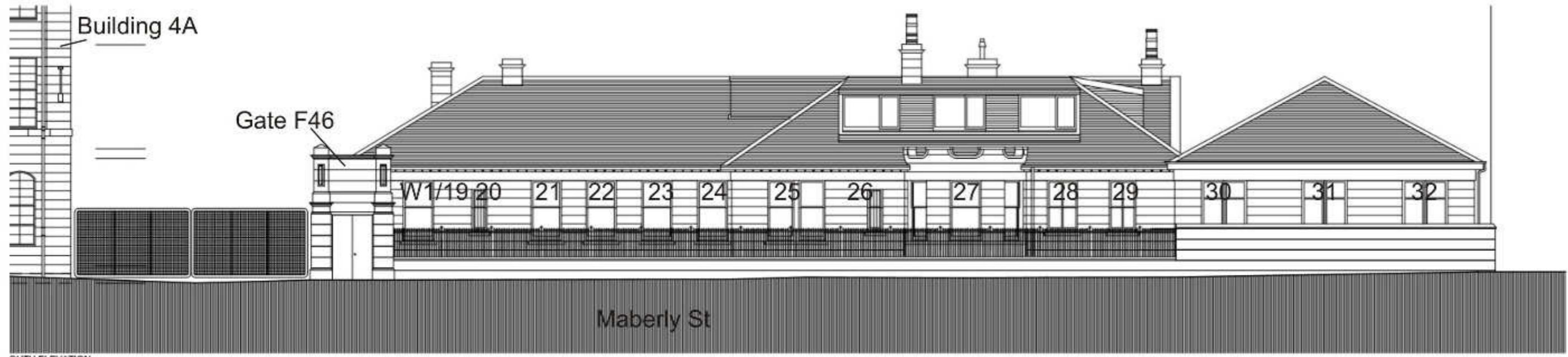
## Building Warrants

- Additions, 1884 – between the power loom sheds at the corner of Hutcheon and Ann Street, and the cropping and weft weaving department further down Ann Street (BW/866\*)
- Additions, 1904 – sewing and despatching department, on the west of the site? (BW/6956)
- Flax Store, 1907 – under modern south weaving sheds? (BW/7528)
- East Side Mill, 1907 – under modern south weaving sheds? (BW/7592)
- Callendering and Engine house, 1908 – just to the south of the power loom sheds at the corner of Hutcheon and Ann Street? (BW/7895)
- Weaving Mill, 1909 – south west corner, Ann Street side (BW/7994)
- New Flax Store, 1910 – south west corner Maberley Street side (BW/8180)
- Weaving Mill and Premises 1912 - cropping and weaving department, middle of Ann Street side? (BW/8453 & BW/8480)
- New North and South Mills, 1913 (BW/8596)
- Tow Warehouse, 1915 (BW/9025)
- Tow Warehouse, 1916 (BW/9051)
- Flax Warehouses, 1911, 1912 - Bastille (BW/8258 and BW/8380).

APPENDIX 5 PLANS AND ELEVATIONS



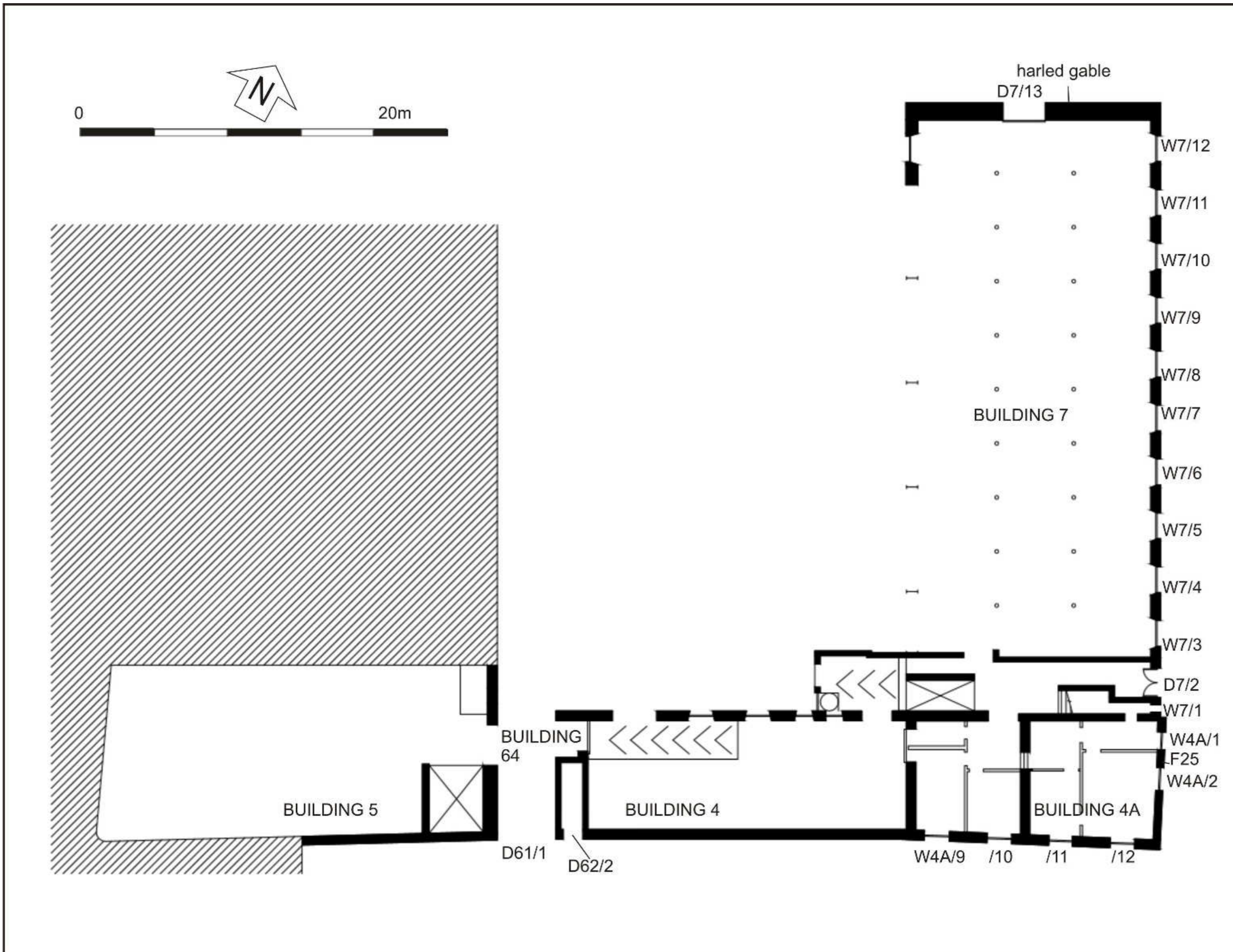
Building 1 plan annotated with feature numbers used in the survey (copyright Halliday Fraser Munro)



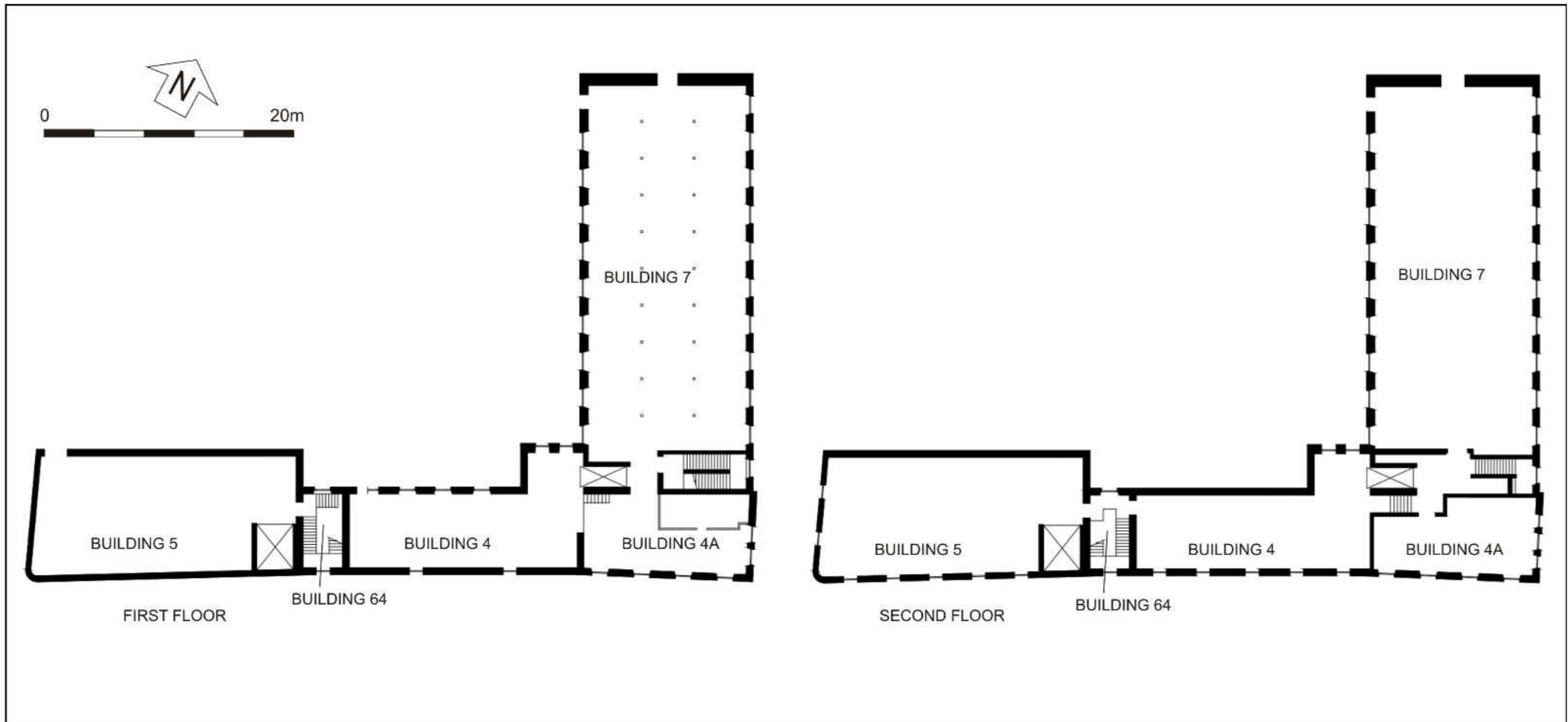
Building 1 elevations annotated with feature numbers used in the survey (copyright Halliday Fraser Munro)



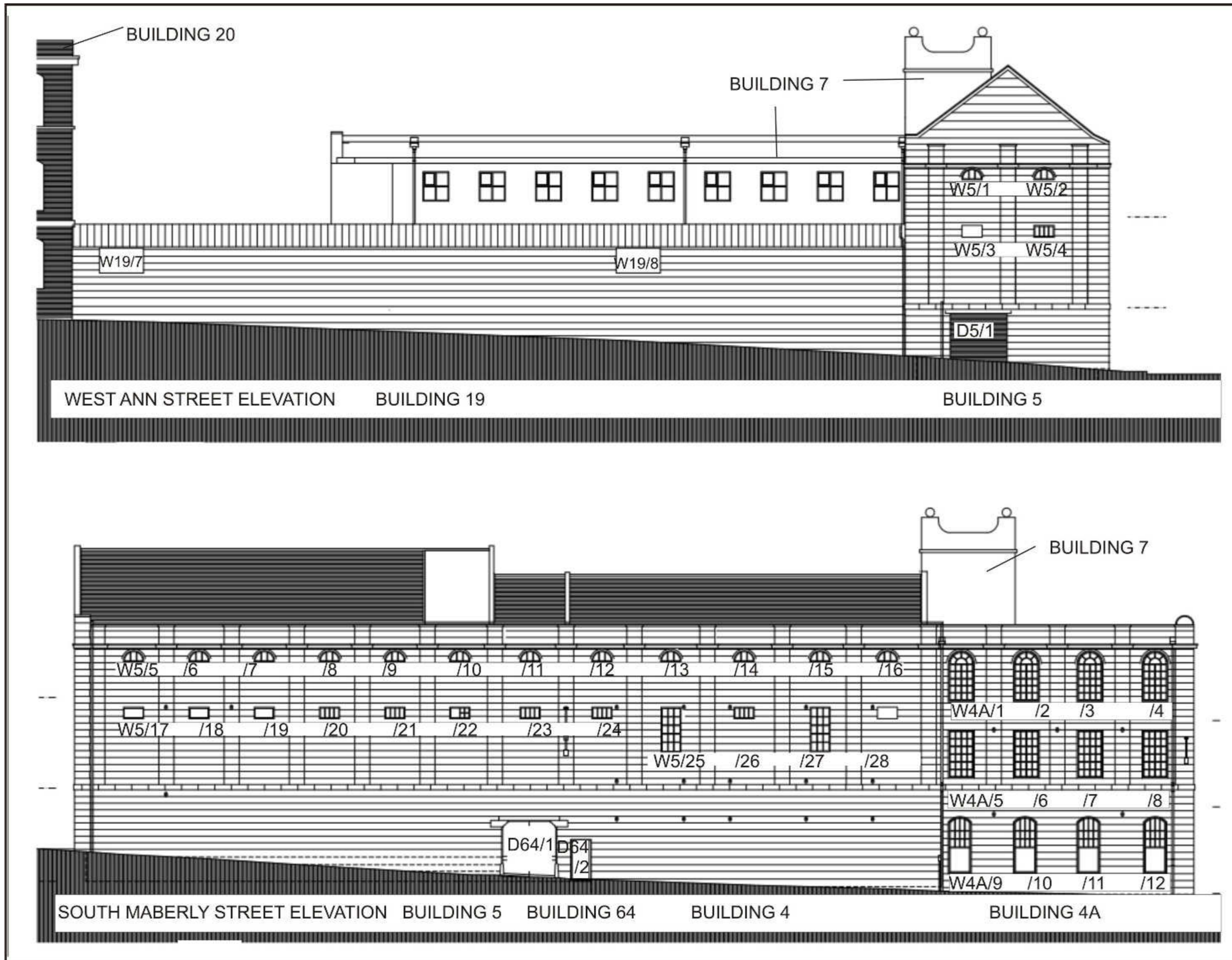
Building 1 phase plan (copyright Halliday Fraser Munro)



Buildings 4, 4A, 5, 7 and 64 ground floor plan annotated with feature numbers used in the survey (copyright Halliday Fraser Munro)

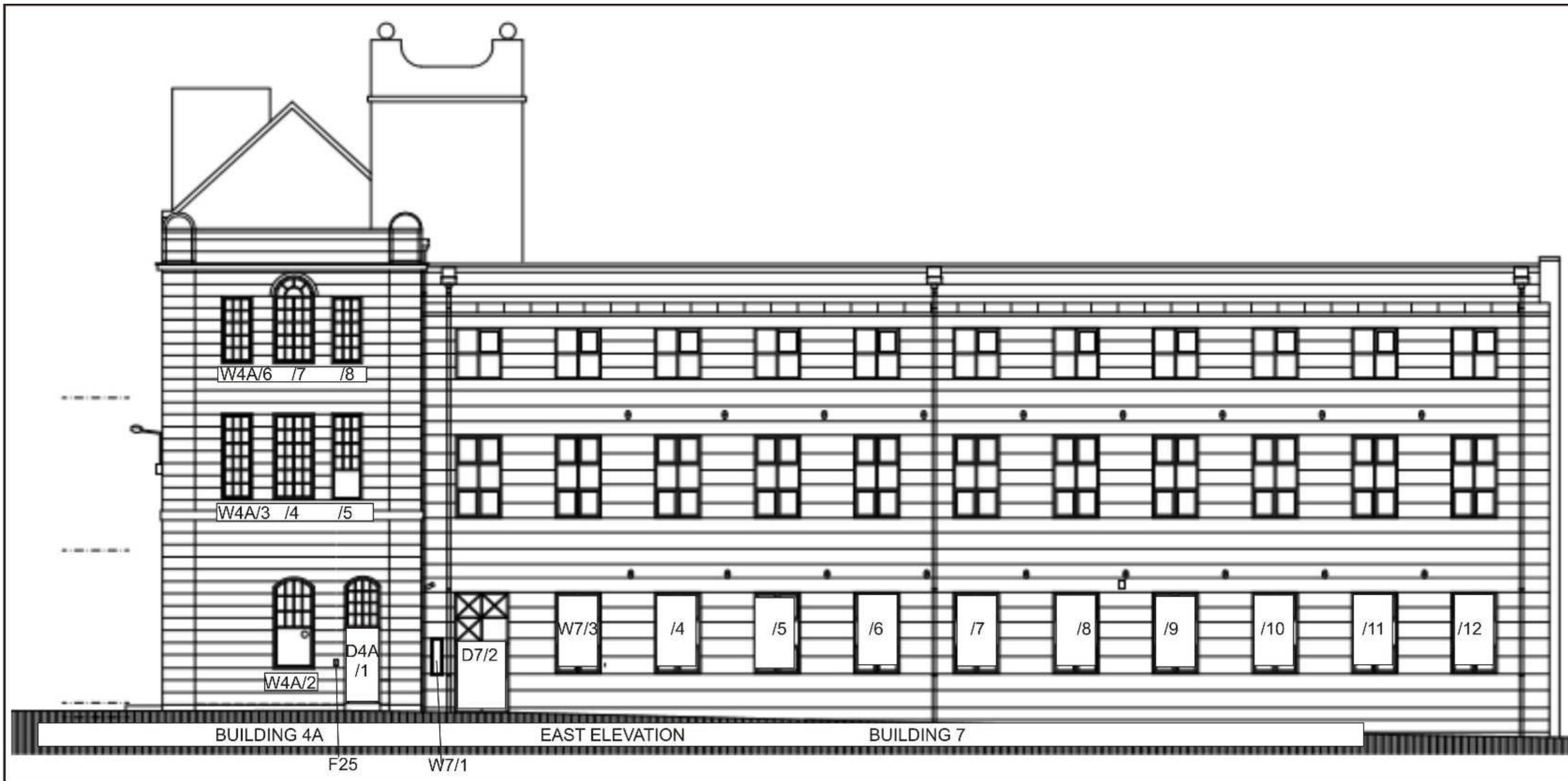


Buildings 4, 4A, 5, 7 and 64 1<sup>st</sup> and 2nd floor plans annotated with feature numbers used in the survey (copyright Halliday Fraser Munro)

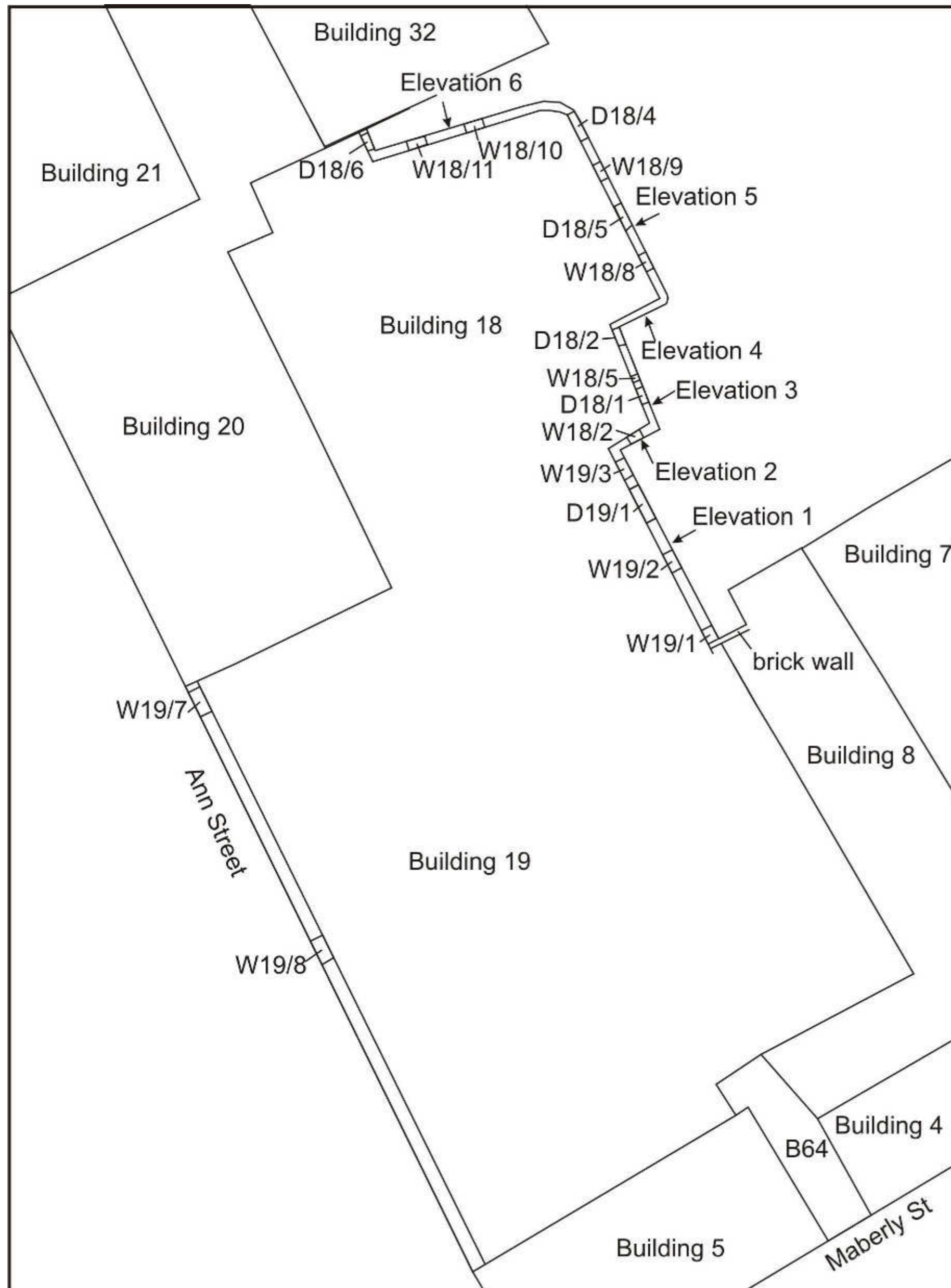


Buildings 4, 4A, 5, 7 and 64 Maberly and Ann Street elevations annotated with feature numbers used in the survey (copyright Halliday Fraser Munro)

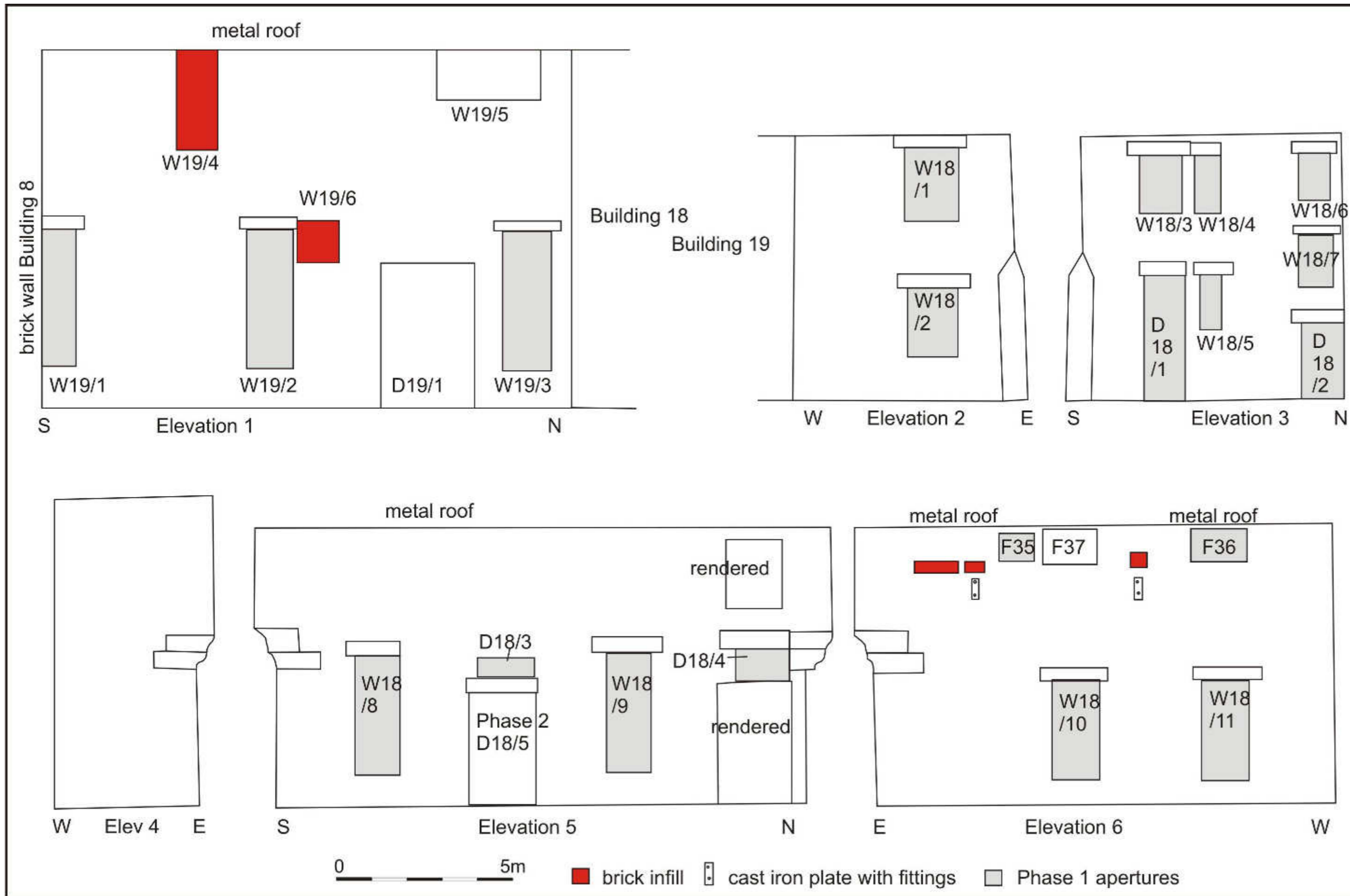




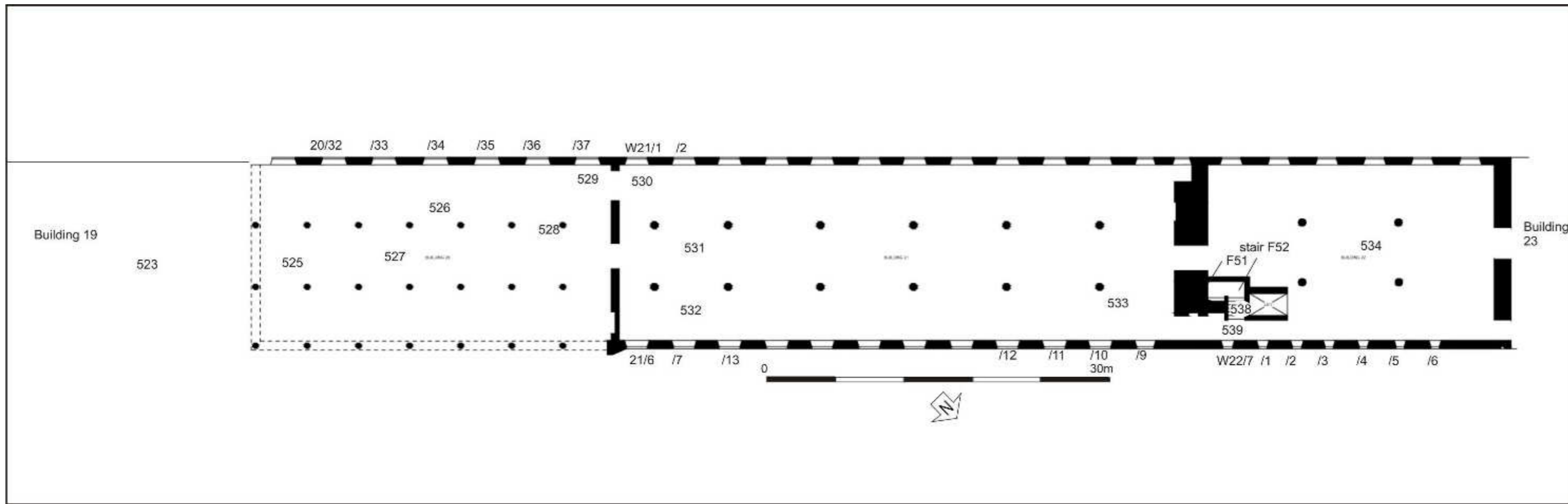
Buildings 4A and 7 East elevation annotated with feature numbers used in the survey (copyright Halliday Fraser Munro)



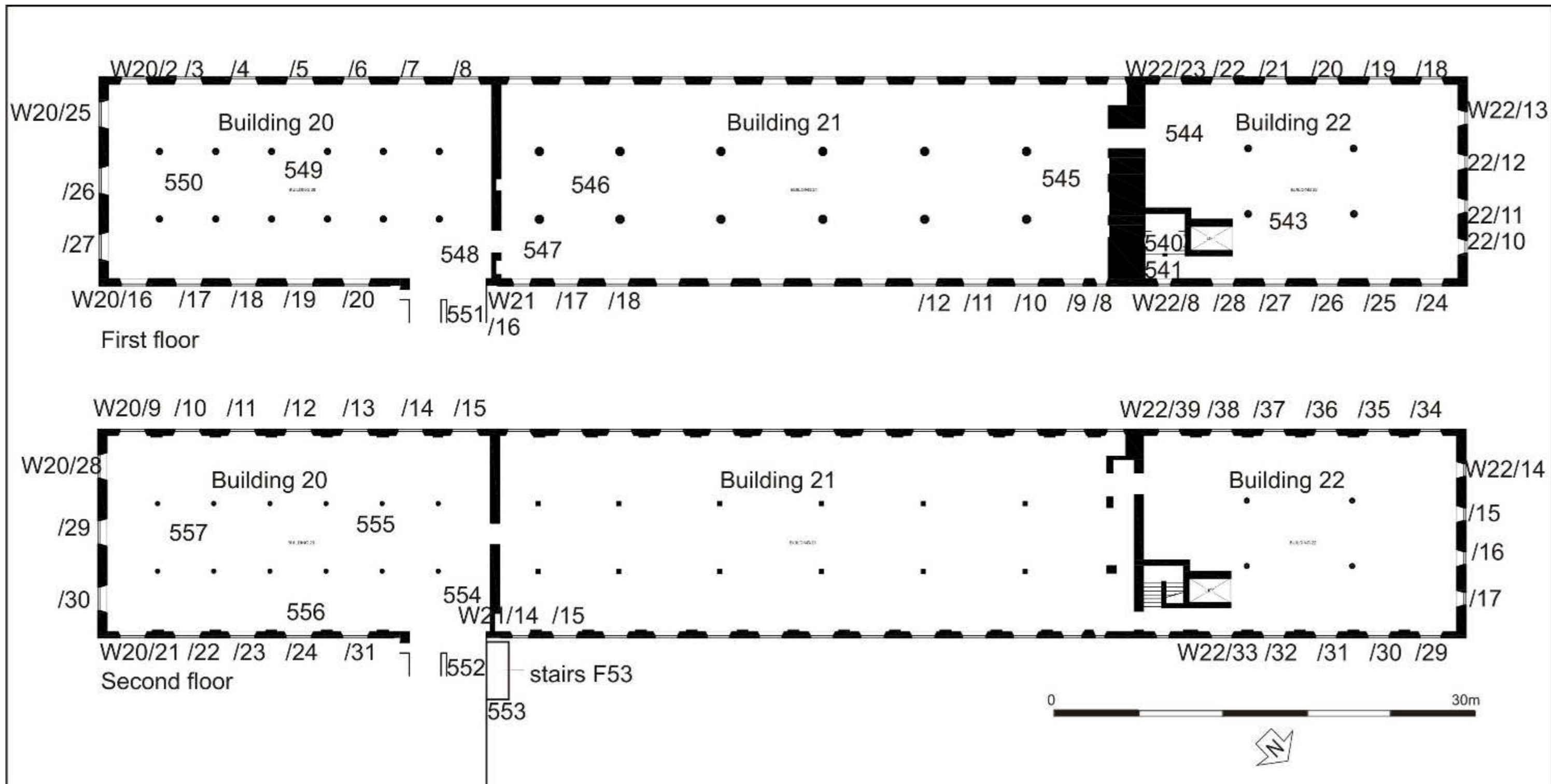
Buildings 18 and 19 plan annotated with feature numbers used in the survey



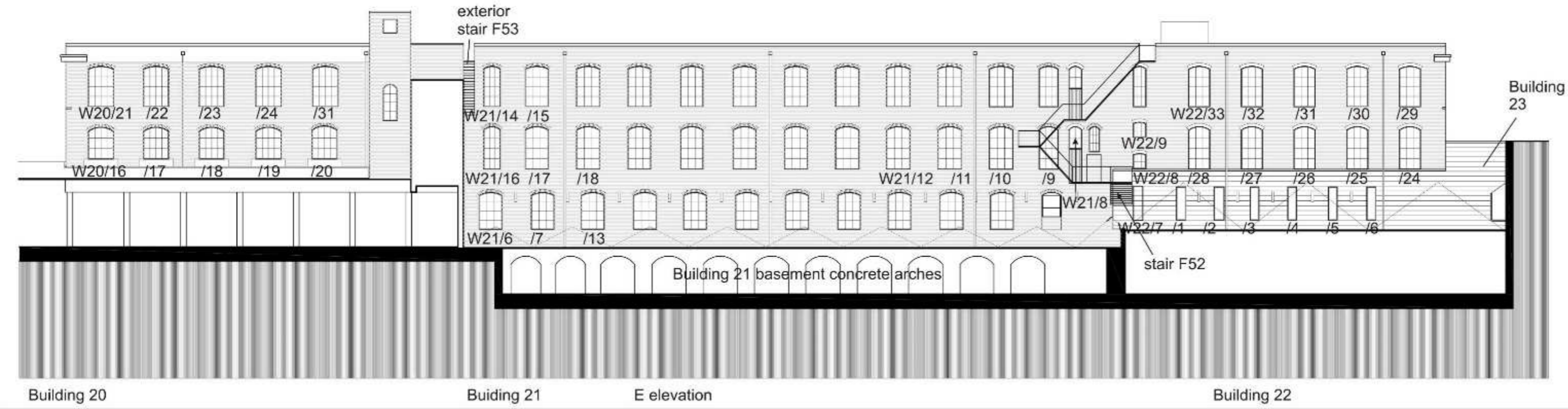
Buildings 18 and 19 elevations annotated with feature numbers used in the survey



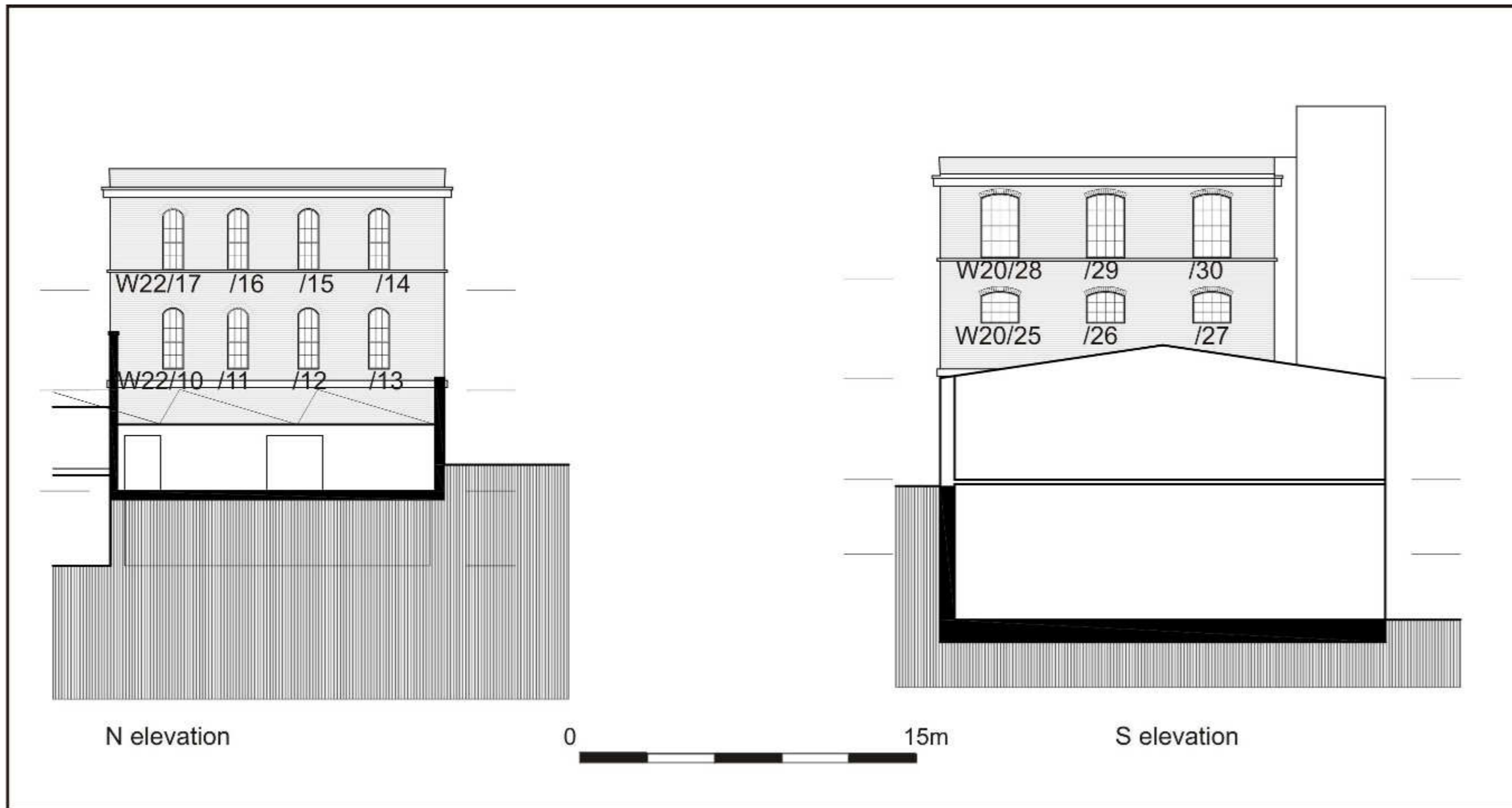
Buildings 20, 21, 22 ground/basement plans annotated with feature numbers used in the survey (copyright Halliday Fraser Munro)



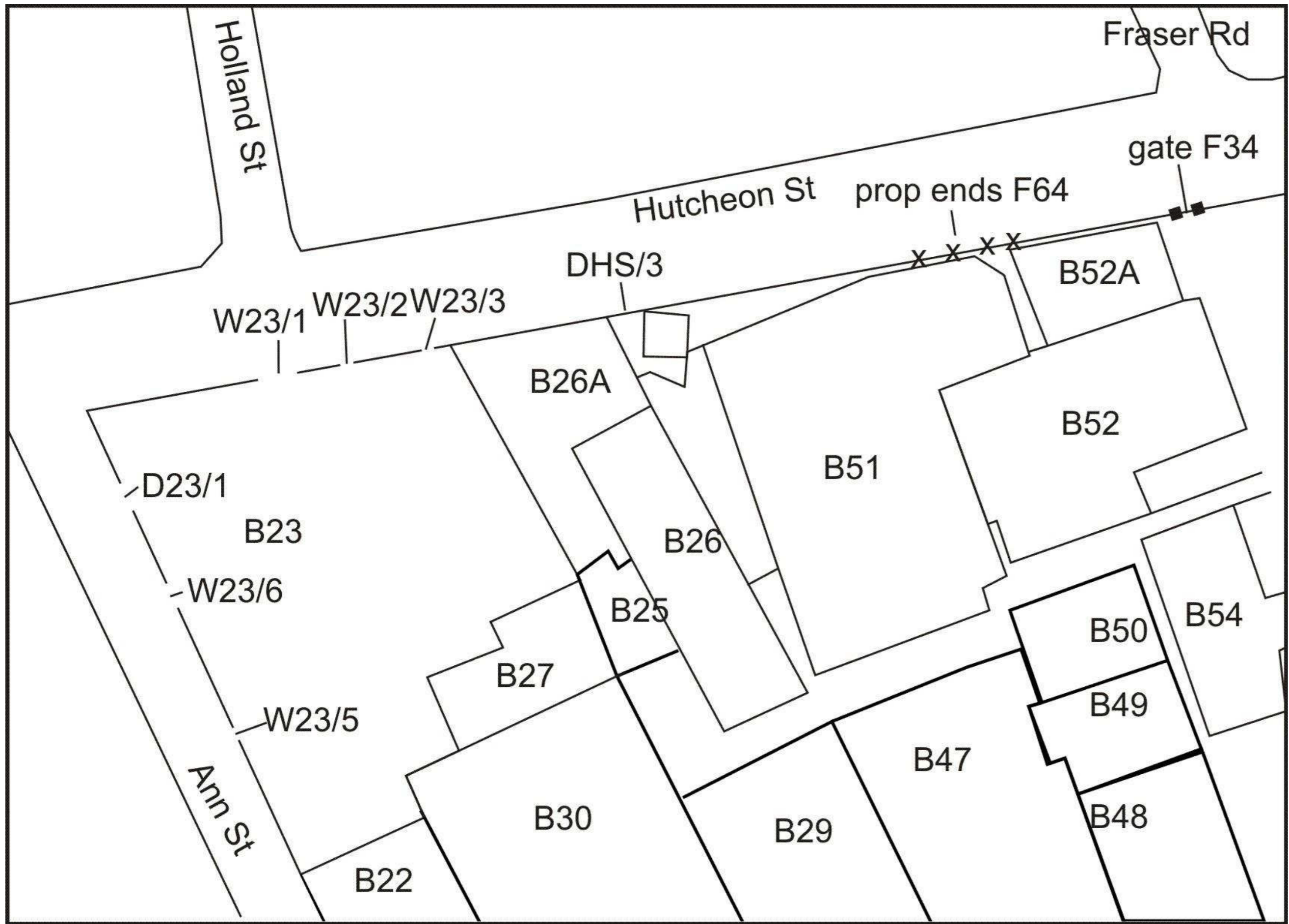
Buildings 20, 21, 22 1<sup>st</sup> and 2<sup>nd</sup> floor plans annotated with feature numbers used in the survey (copyright Halliday Fraser Munro)



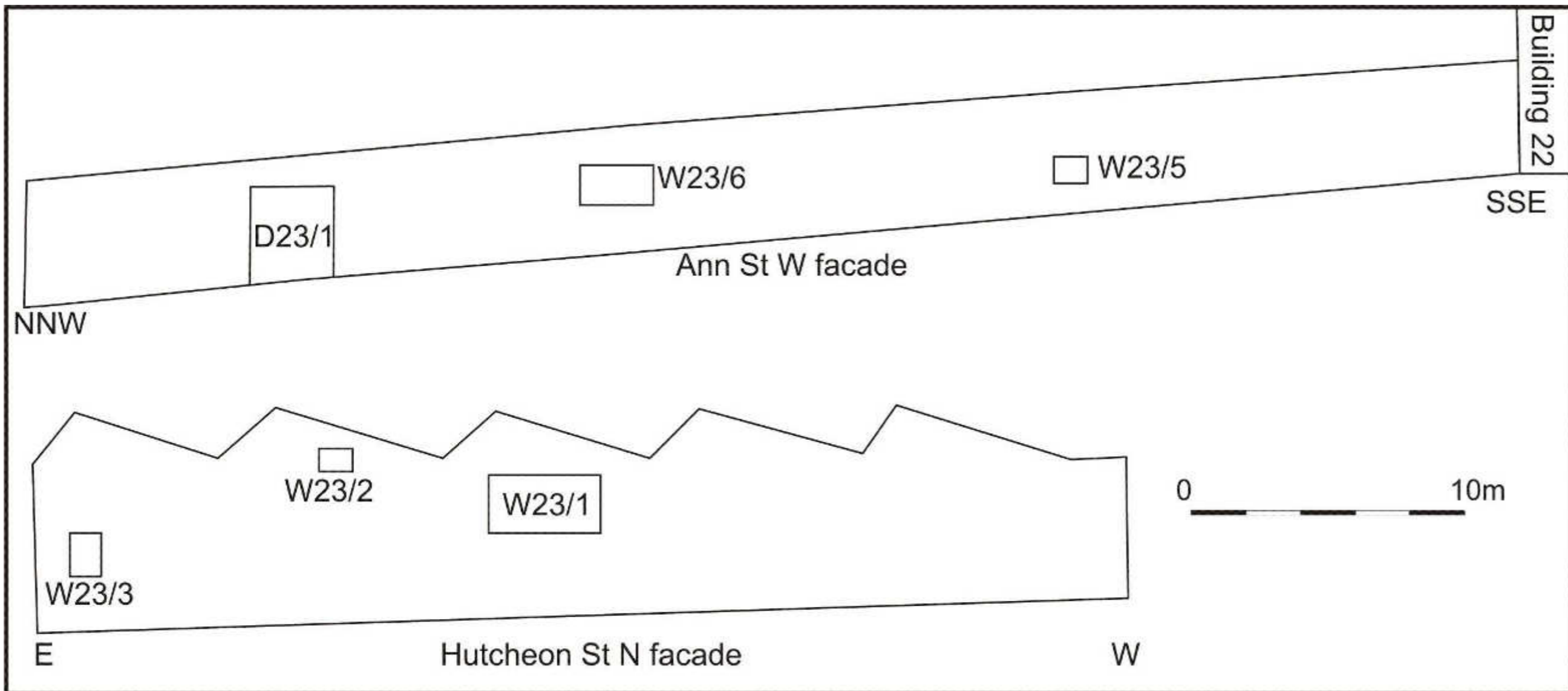
Buildings 20, 21, 22 E and W elevations annotated with feature numbers used in the survey (copyright Halliday Fraser Munro)



Buildings 20, 21, 22 N and S elevations annotated with feature numbers used in the survey (copyright Halliday Fraser Munro)

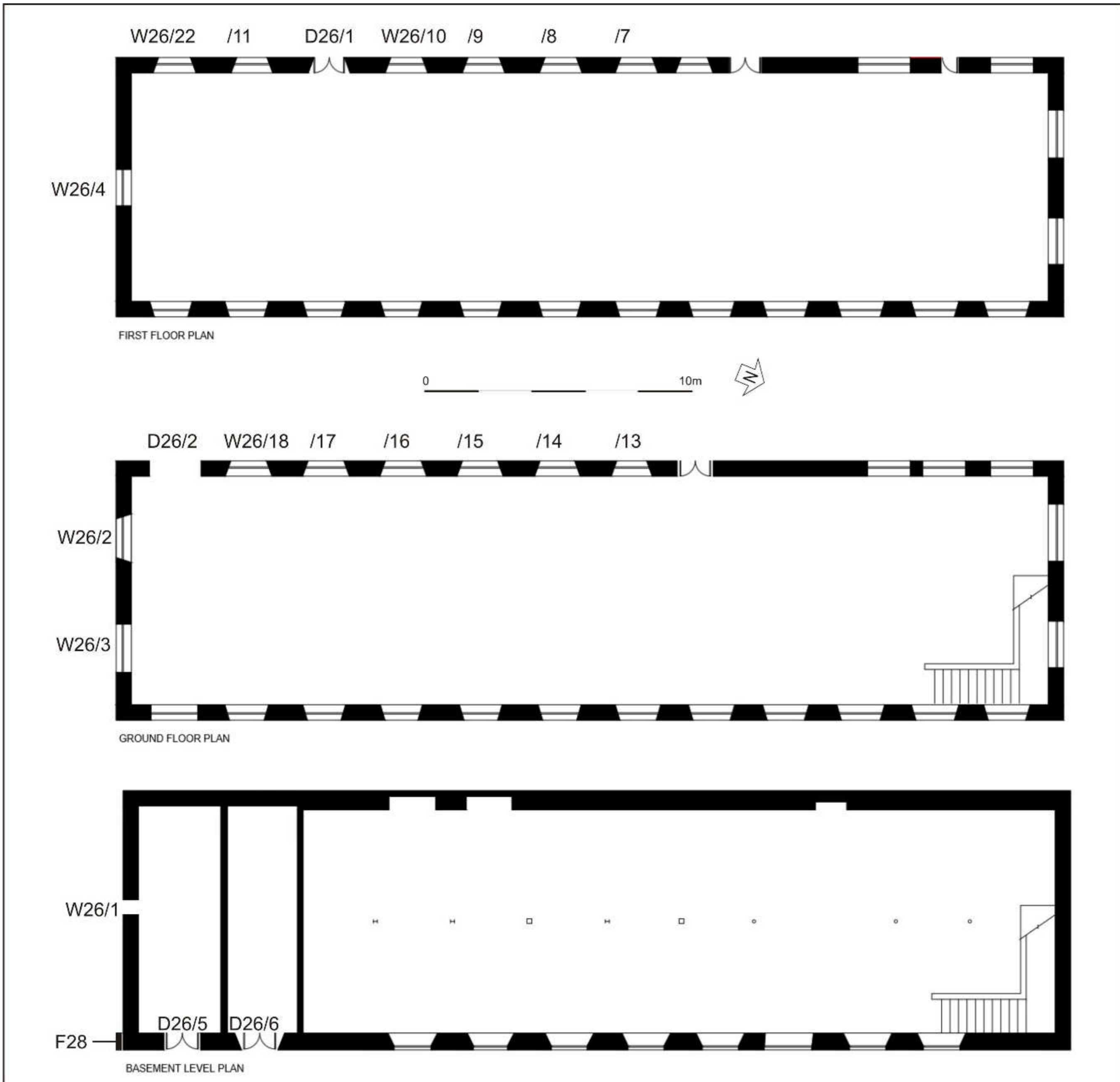


Building 23 plan with apertures annotated (from copyright Halliday Fraser Munro)



Building 23 elevations

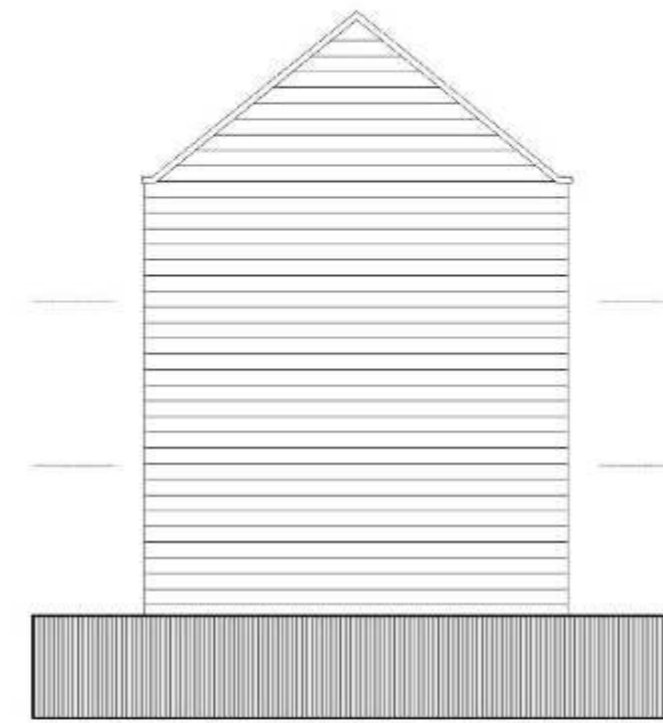




Building 26 plans annotated with feature numbers used in the survey (copyright Halliday Fraser Munro)

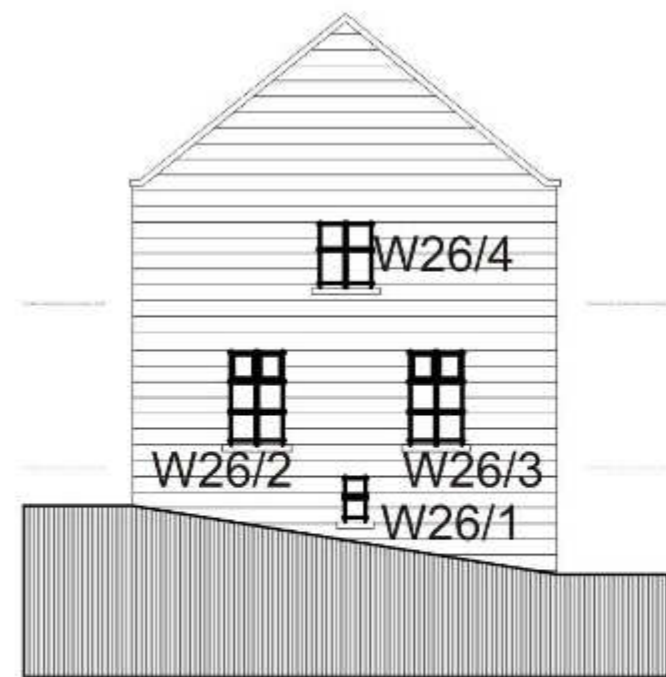


EAST ELEVATION

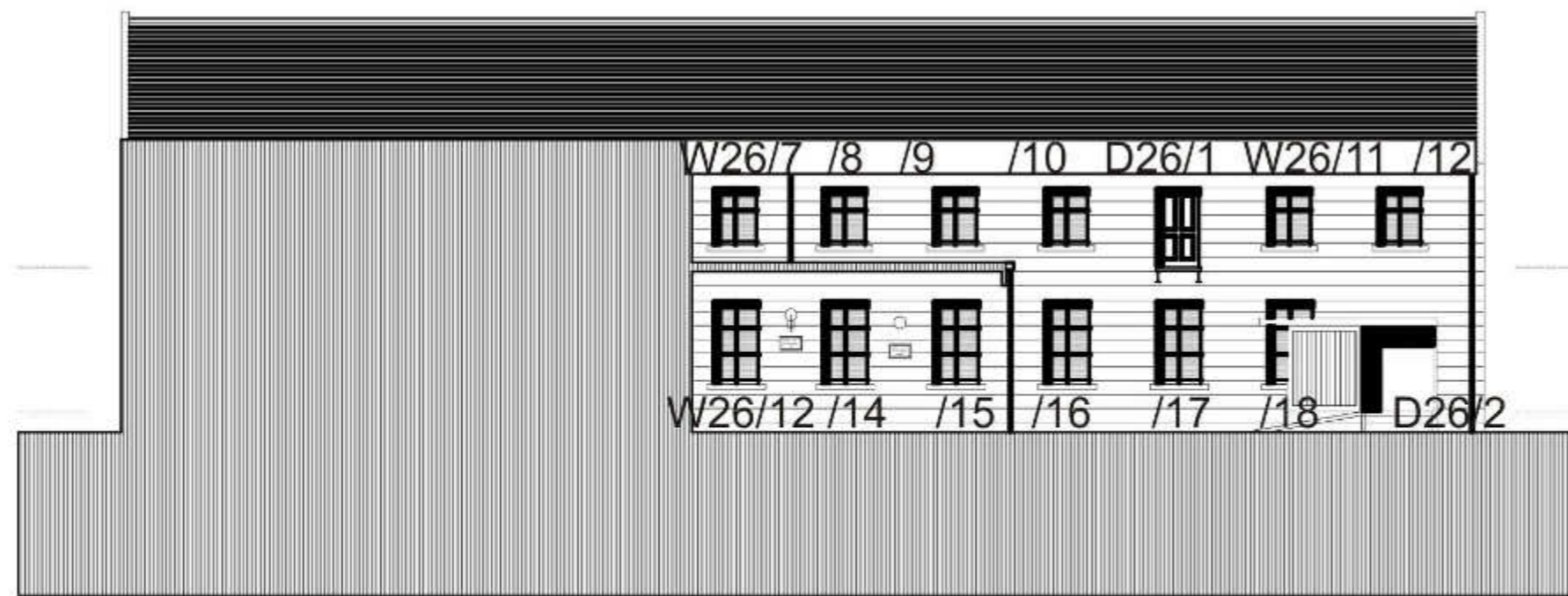


NORTH ELEVATION

0 10m

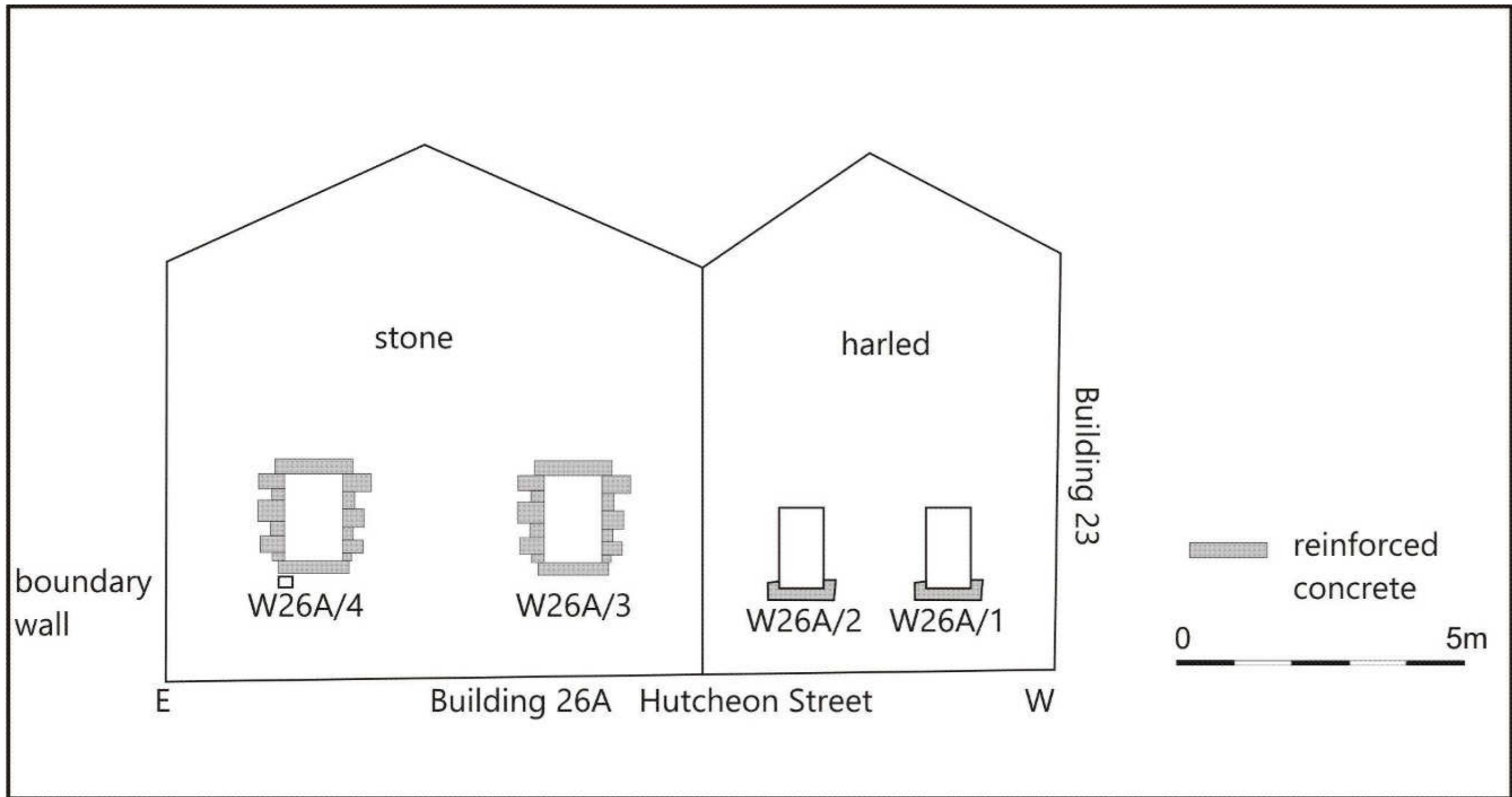


SOUTH ELEVATION

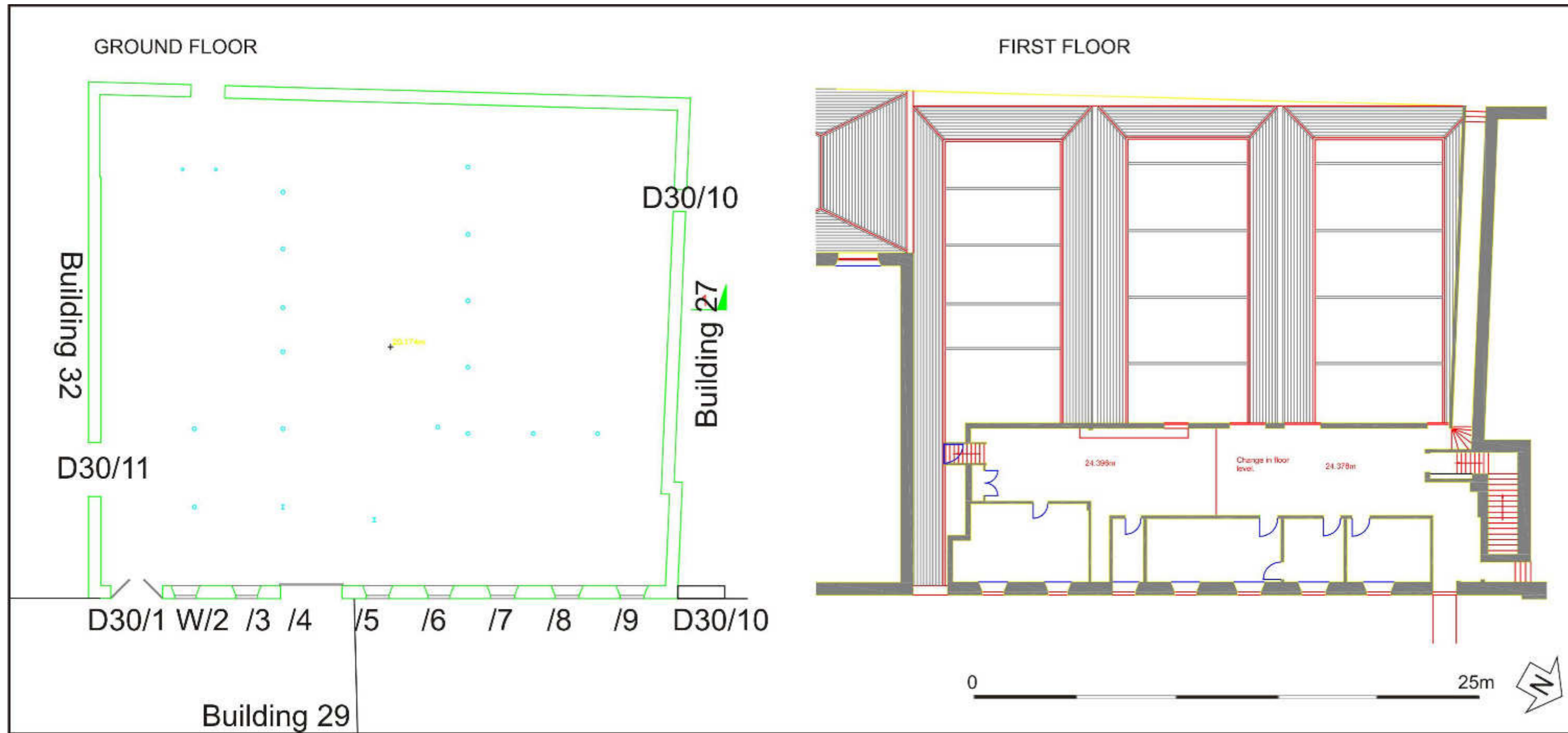


WEST ELEVATION

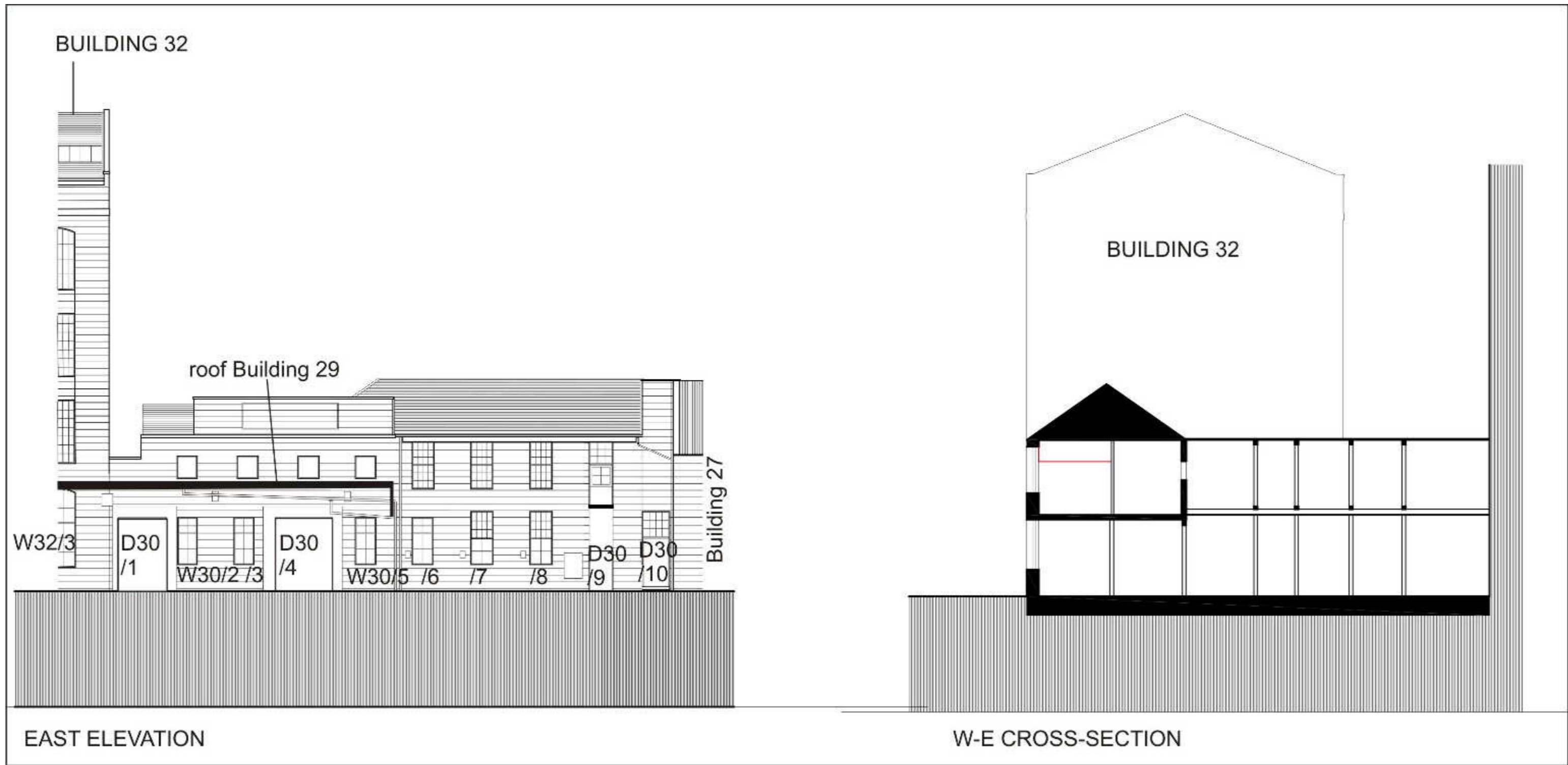
Building 26 N, S, E and W elevations annotated with feature numbers used in the survey (copyright Halliday Fraser Munro)



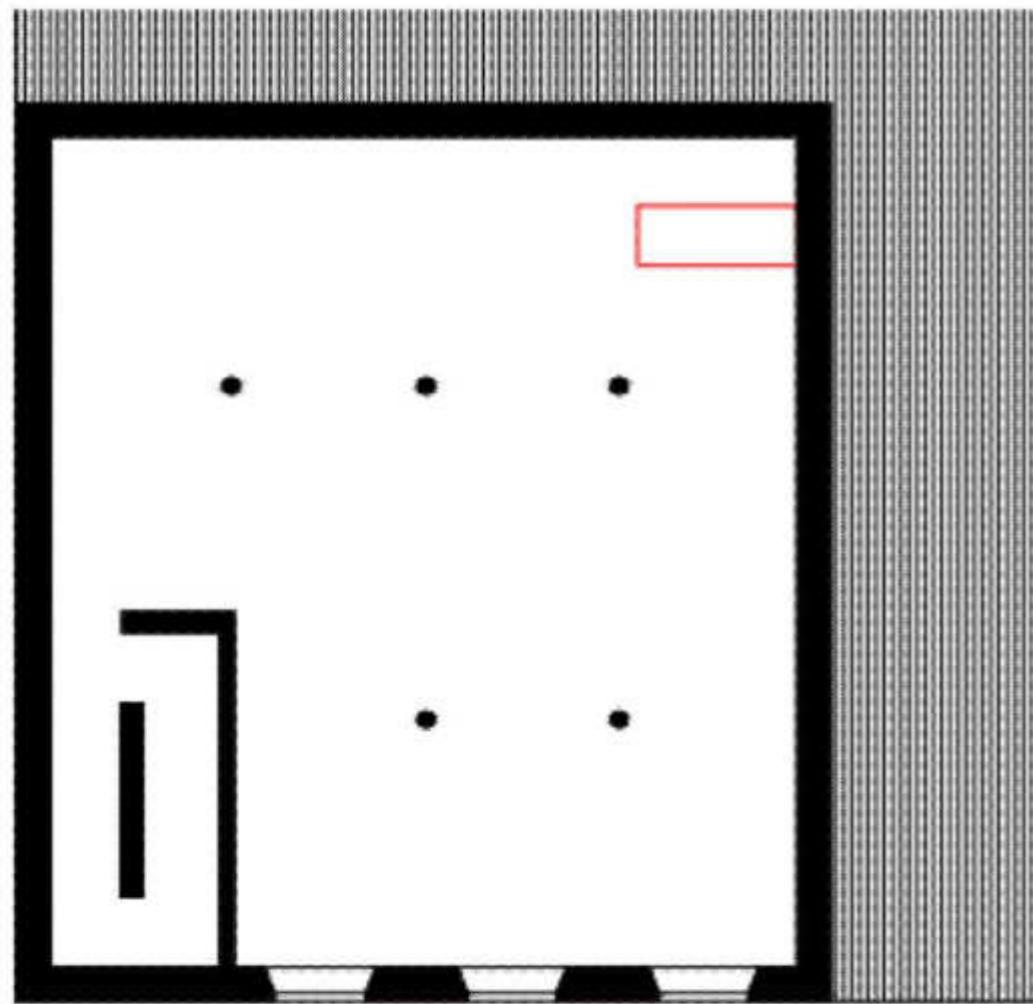
Building 26A Hutcheon St N façade elevations



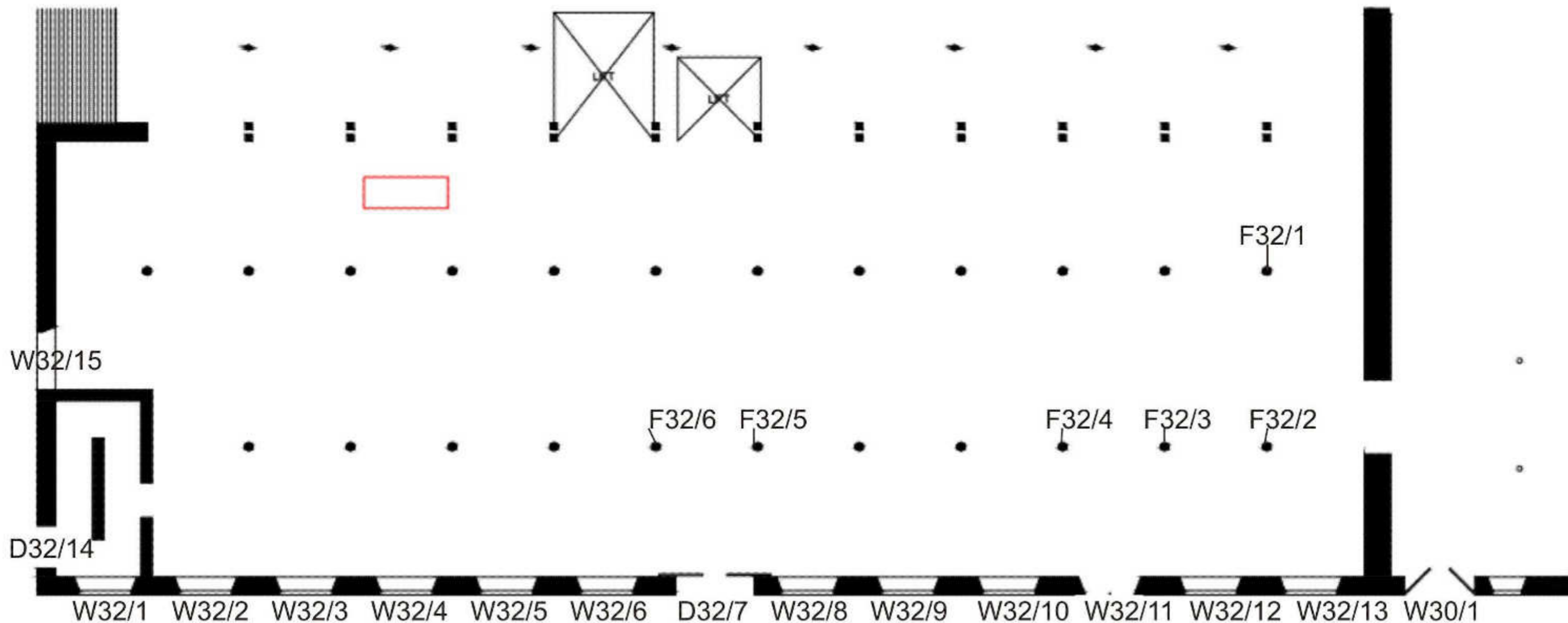
Building 30 plans annotated with feature numbers used in the survey (copyright Halliday Fraser Munro)



Building 30 E elevation and W-E cross-section annotated with feature numbers used in the survey (copyright Halliday Fraser Munro)

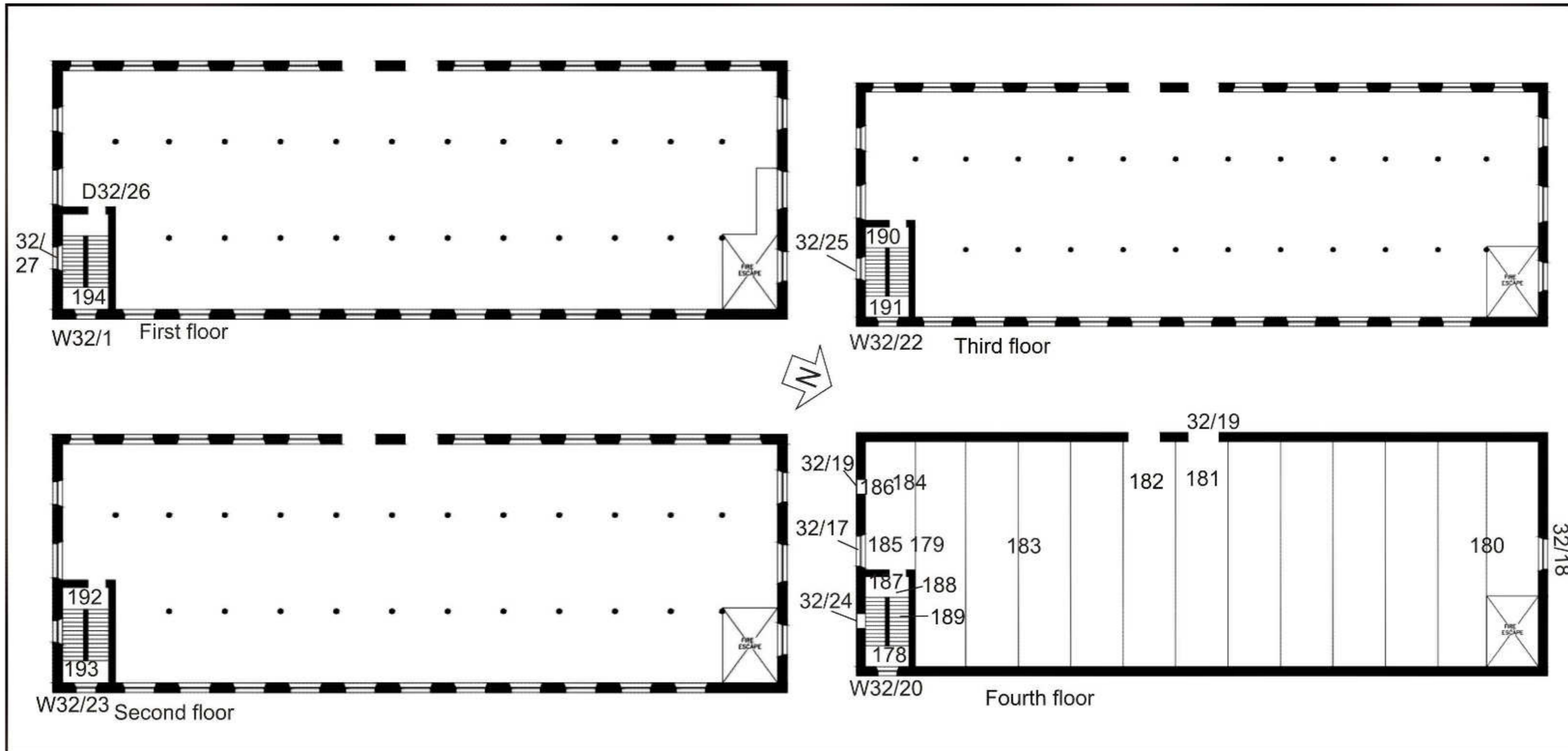


BASEMENT FLOOR

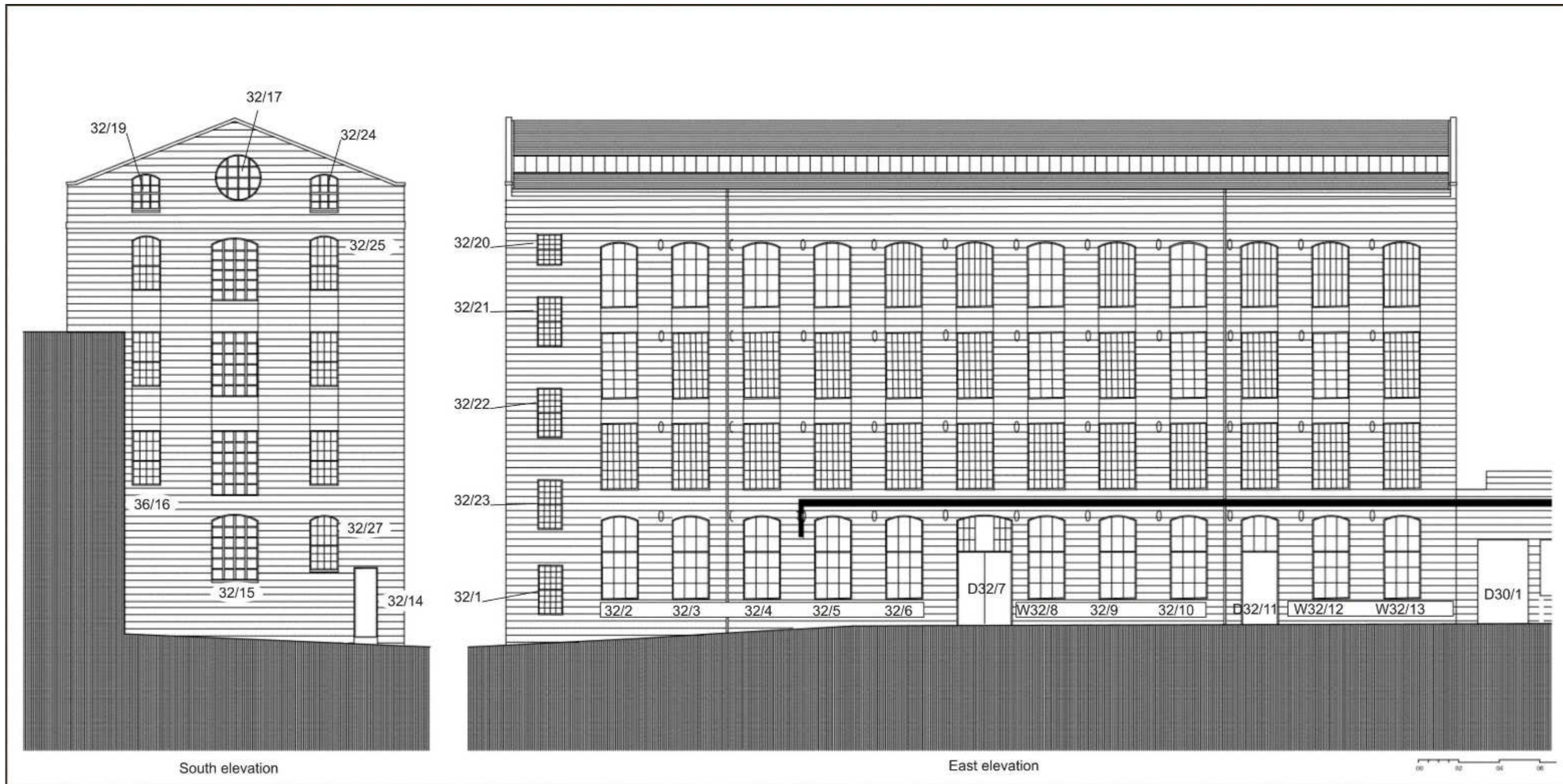


GROUND FLOOR

Building 32 ground floor plan with aperture and feature numbers (copyright Halliday Fraser Munro)

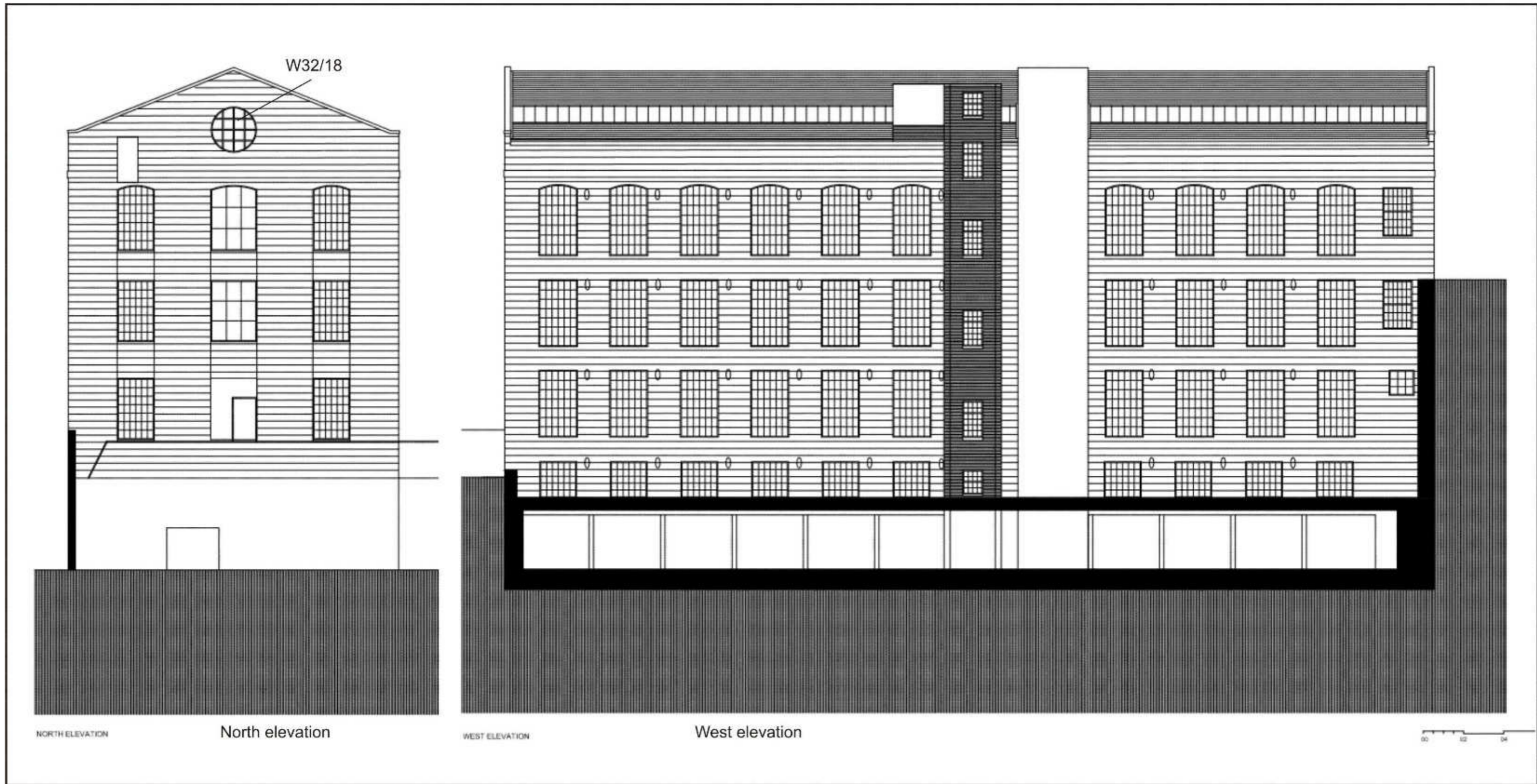


Building 32 1<sup>st</sup>-4<sup>th</sup> floor plans with aperture numbers (copyright Halliday Fraser Munro)

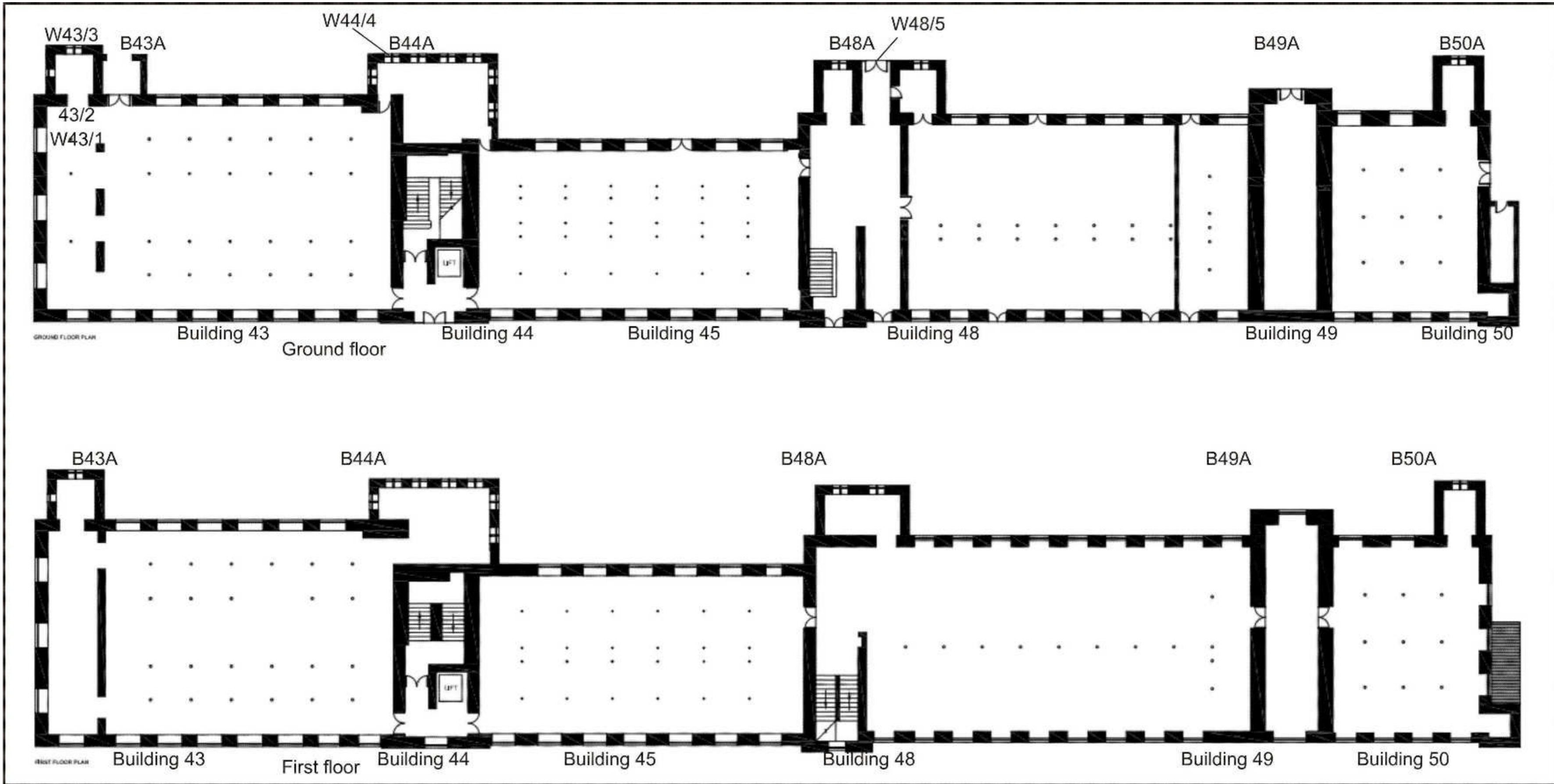


Building 32 S and E elevations with aperture numbers (copyright Halliday Fraser Munro)

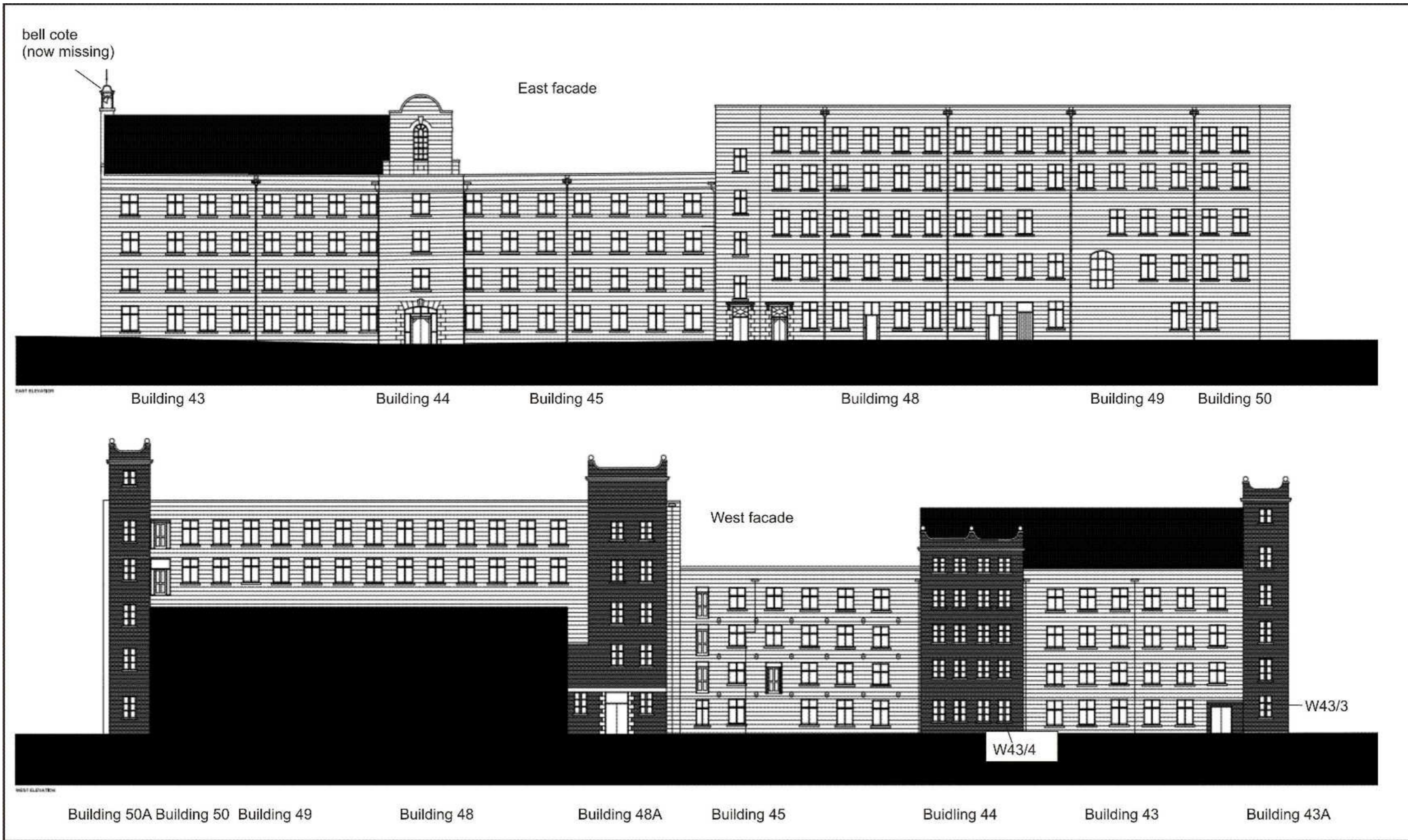




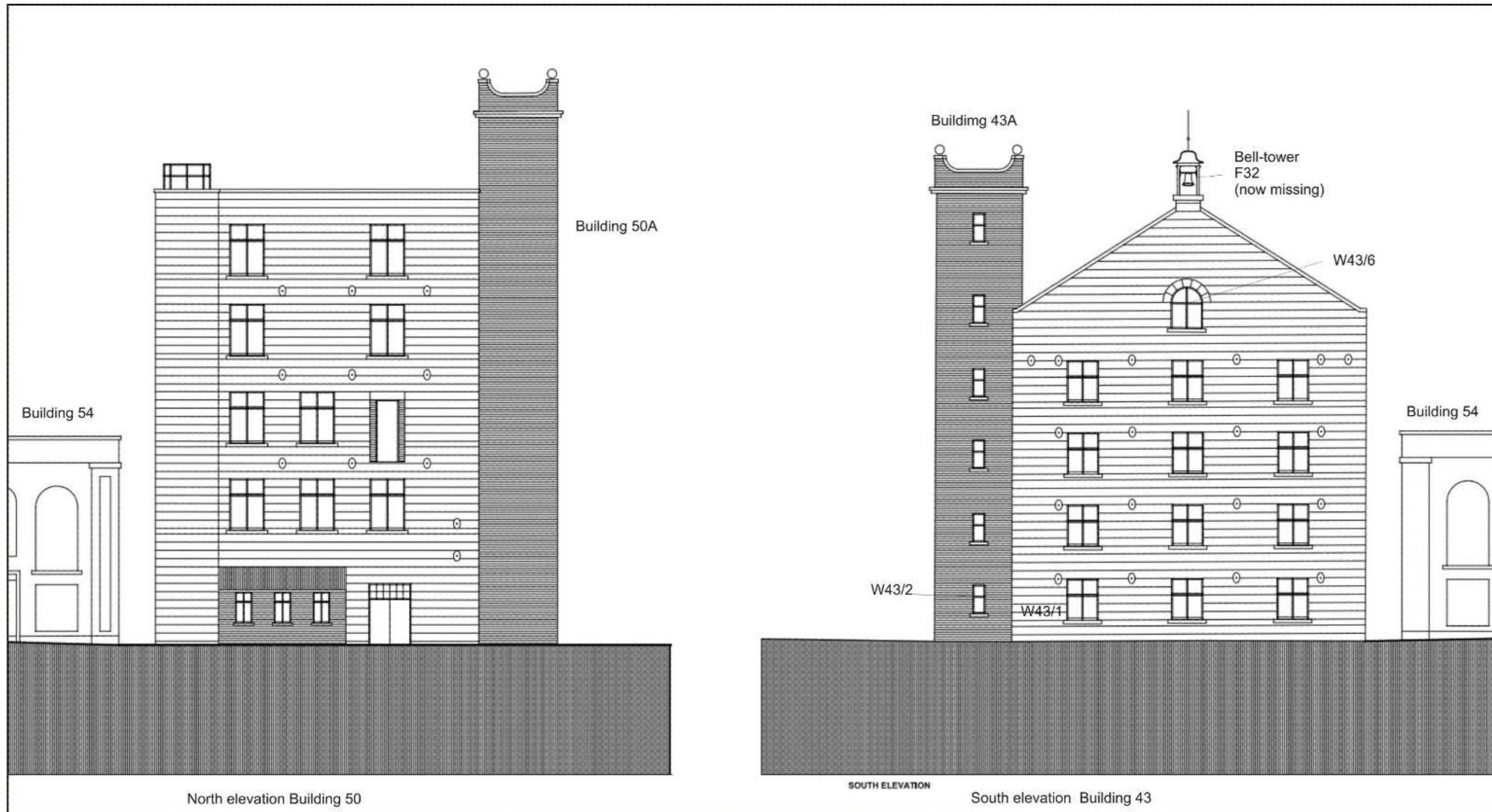
Building 32 N and W elevations with aperture numbers (copyright Halliday Fraser Munro)



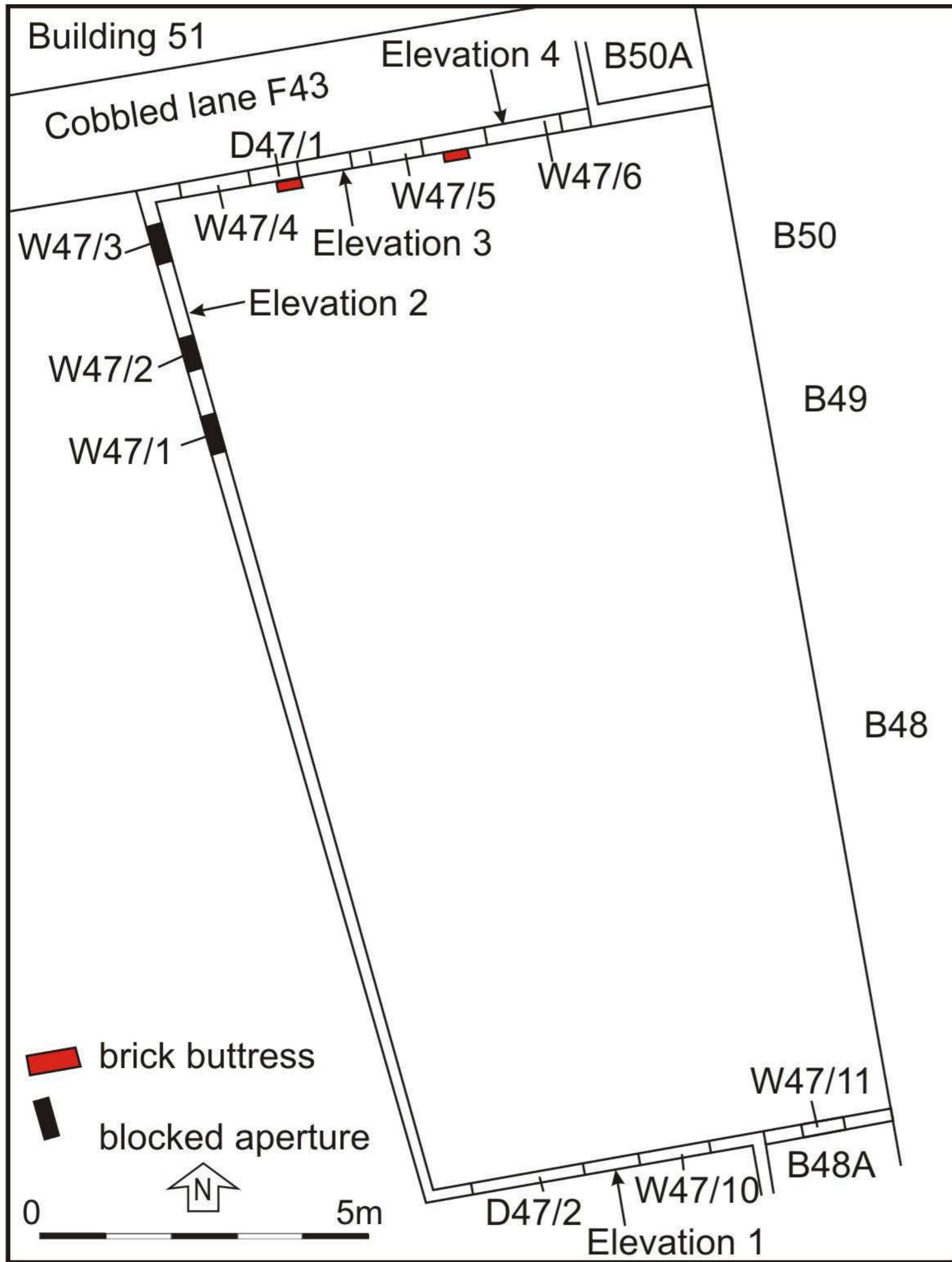
Building 43-50 ground and first floor plans (copyright Halliday Fraser Munro)



Buildings 43-50 E and W facades with aperture numbers (copyright Halliday Fraser Munro)



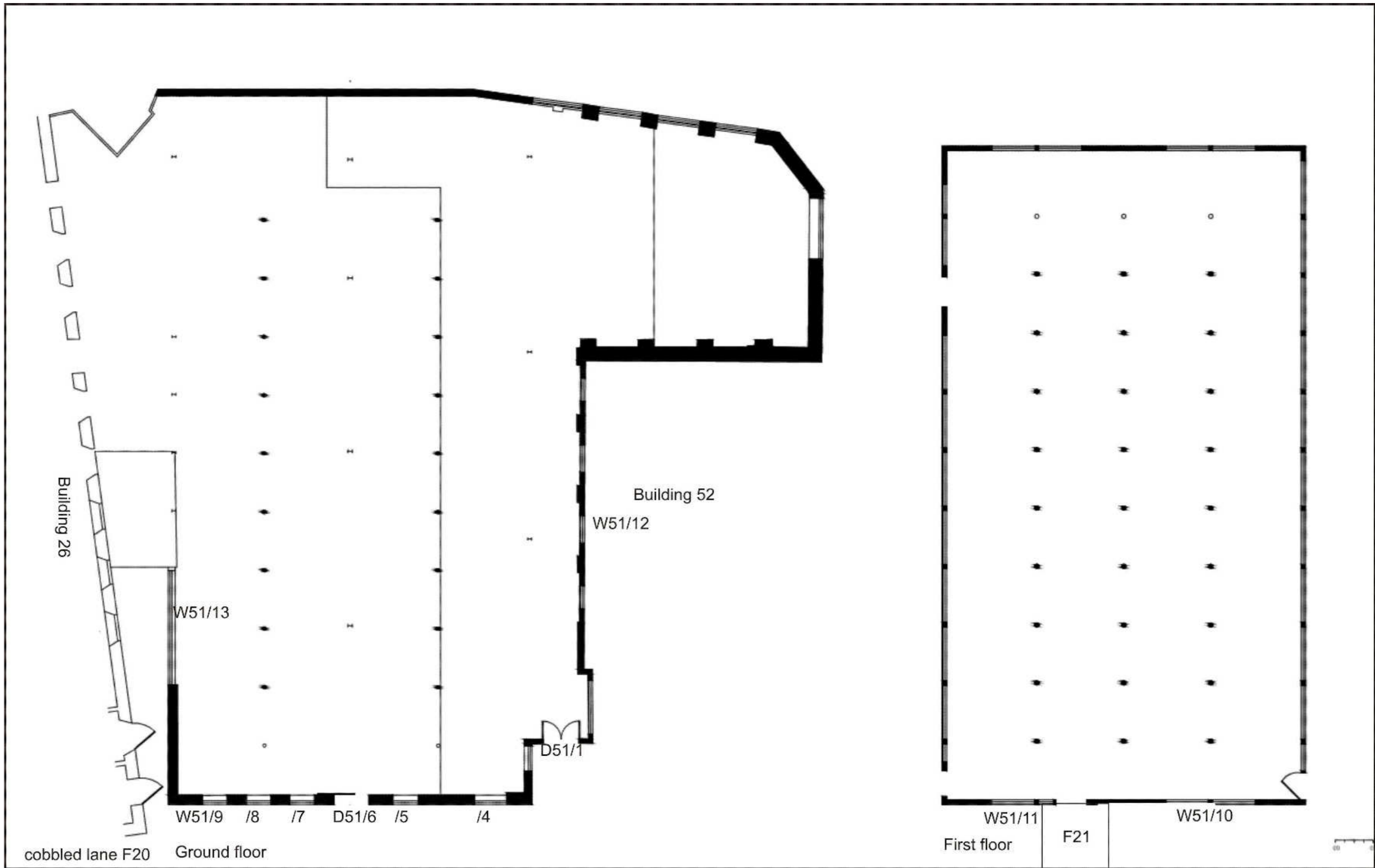
Buildings 43-50 N and S elevations with aperture numbers (copyright Halliday Fraser Munro)



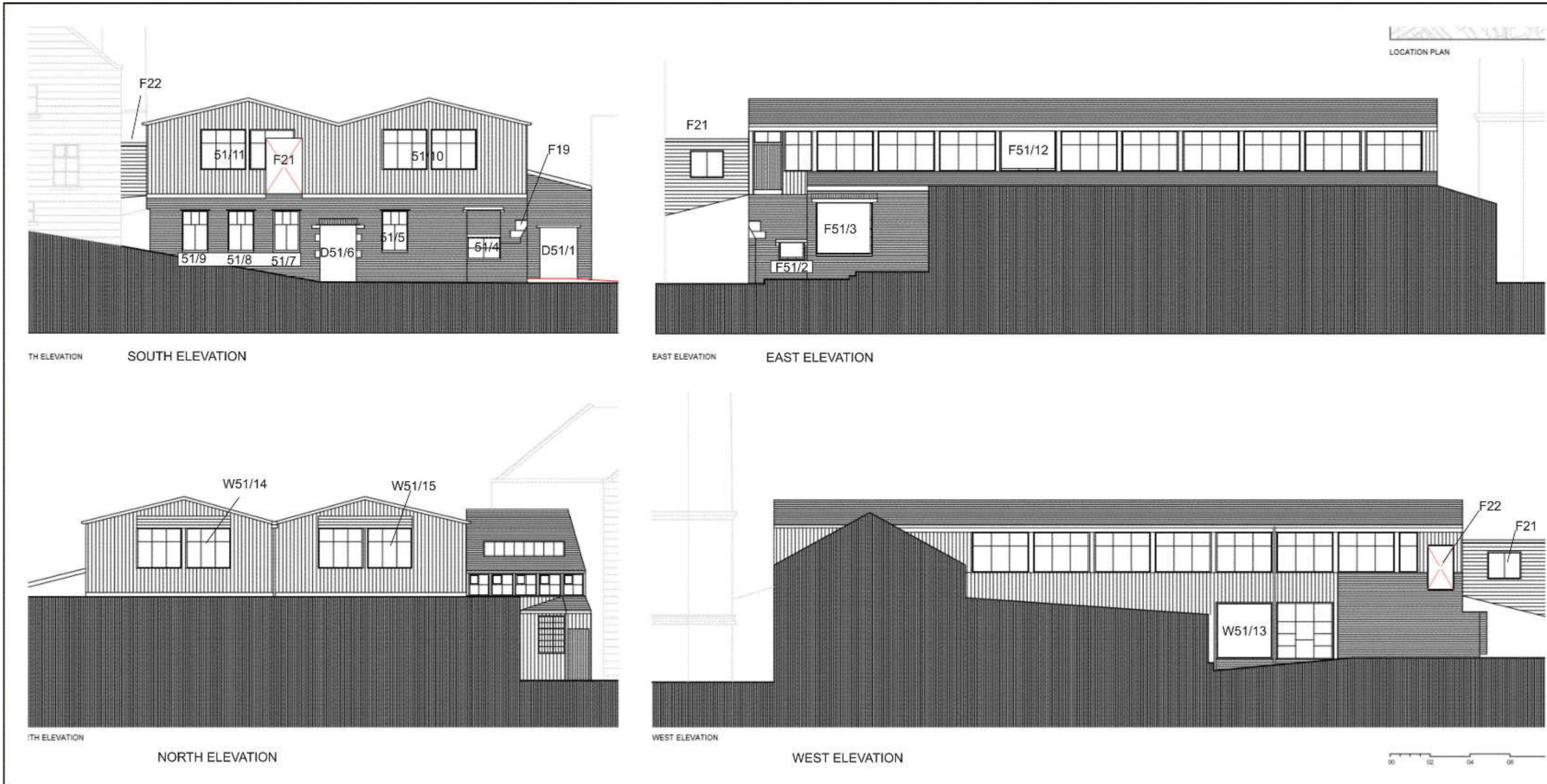
Building 47 plan annotated with feature numbers used in the survey (copyright Halliday Fraser Munro)



Building 47 elevations annotated with feature numbers used in the survey (copyright Halliday Fraser Munro)

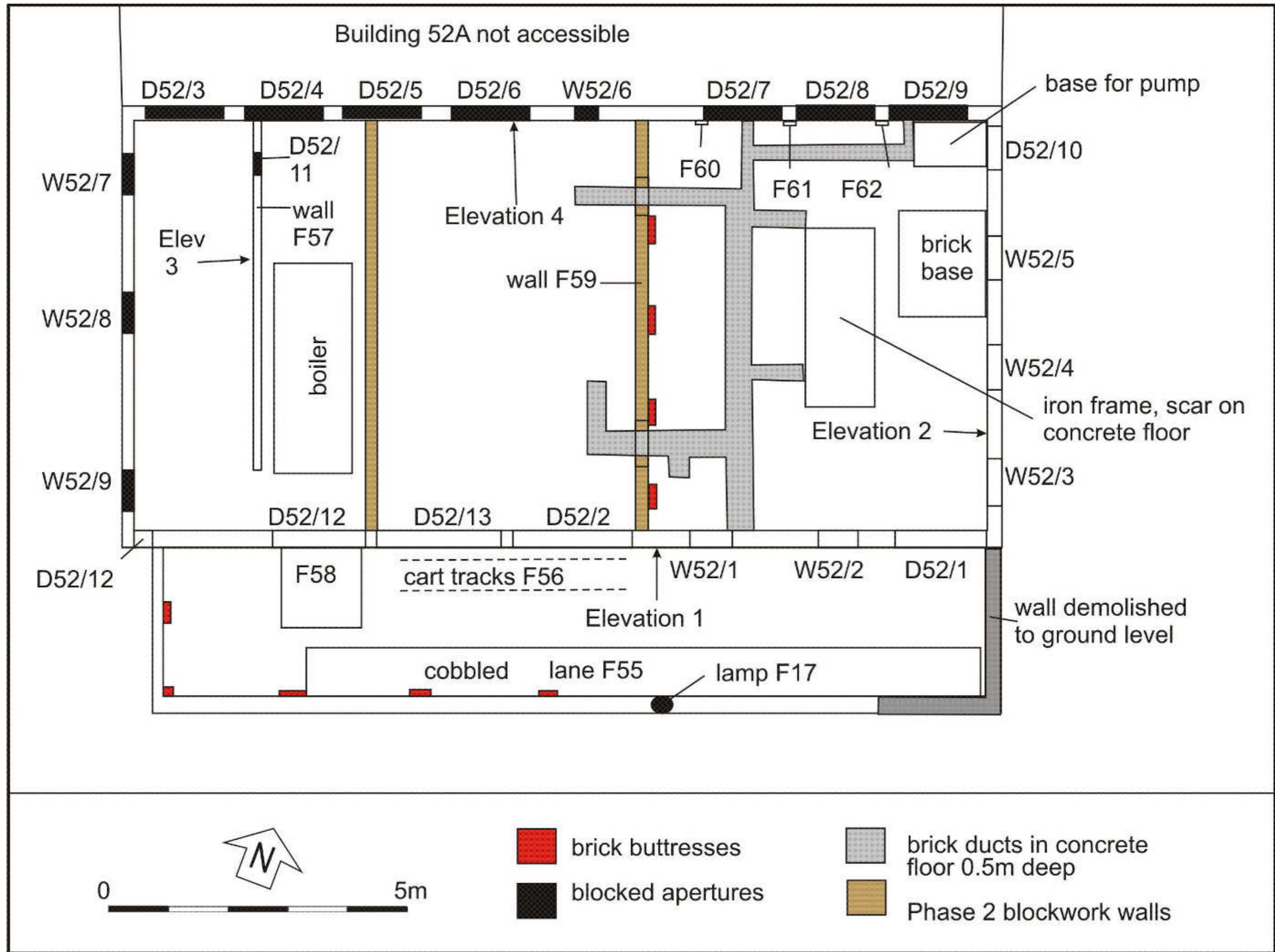


Building 51 plans annotated (copyright Halliday Fraser Munro)

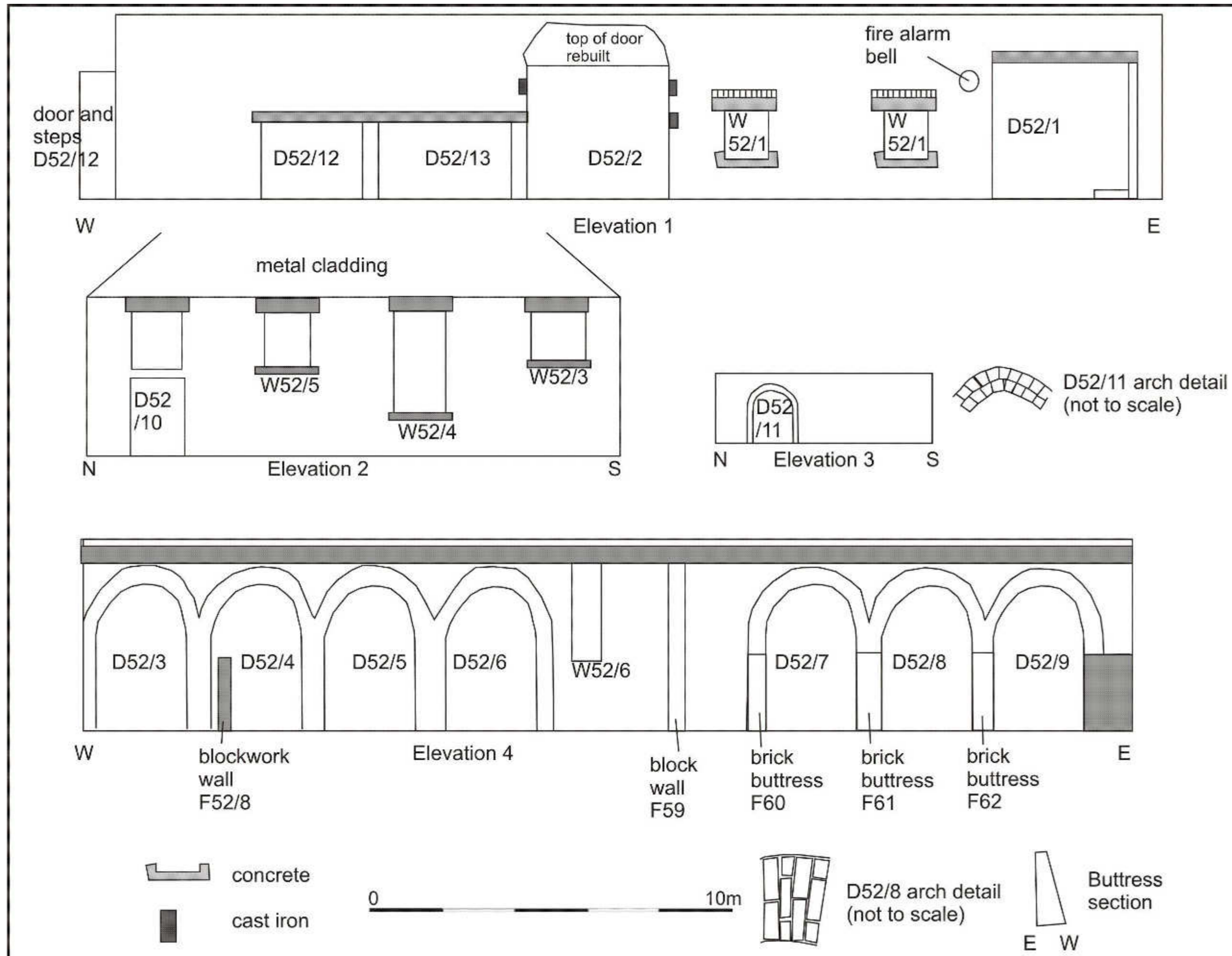


Building 51 elevations annotated (copyright Halliday Fraser Munro)

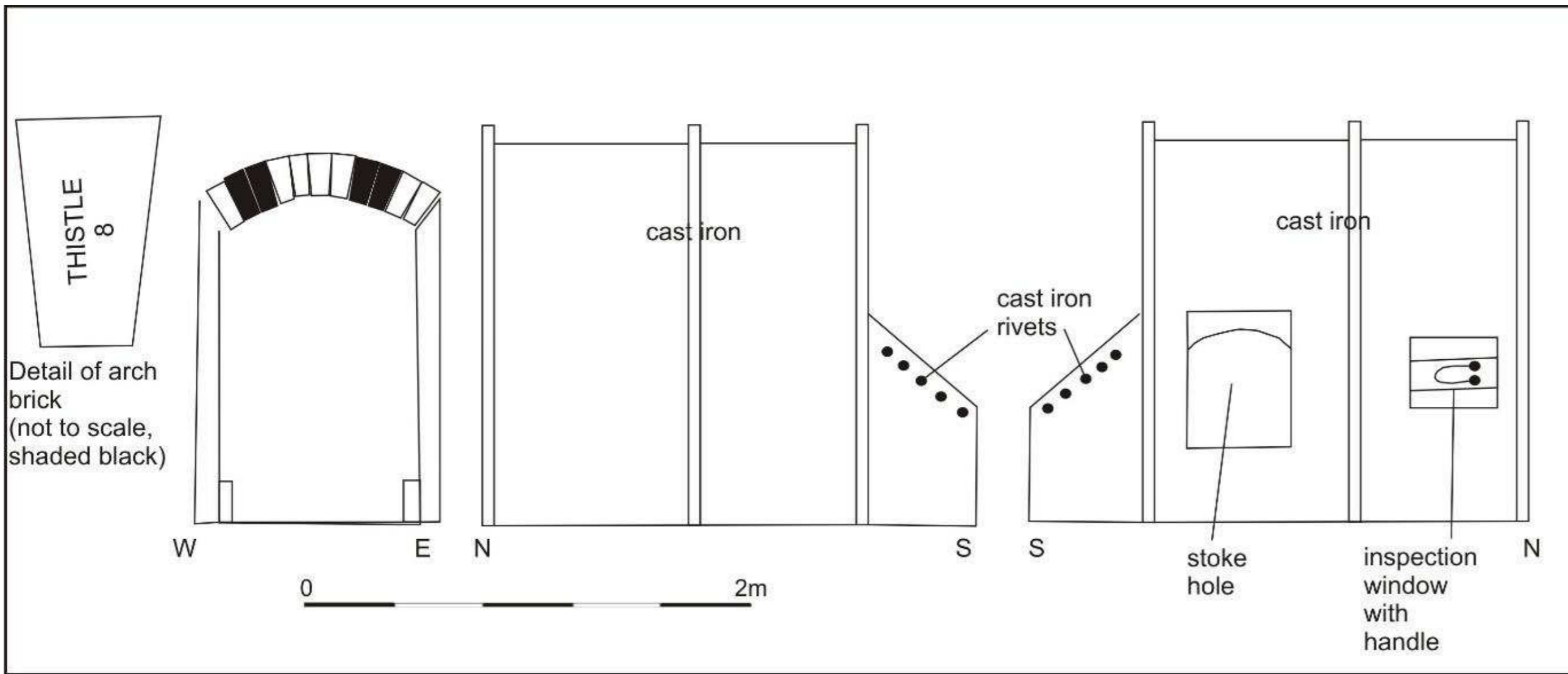




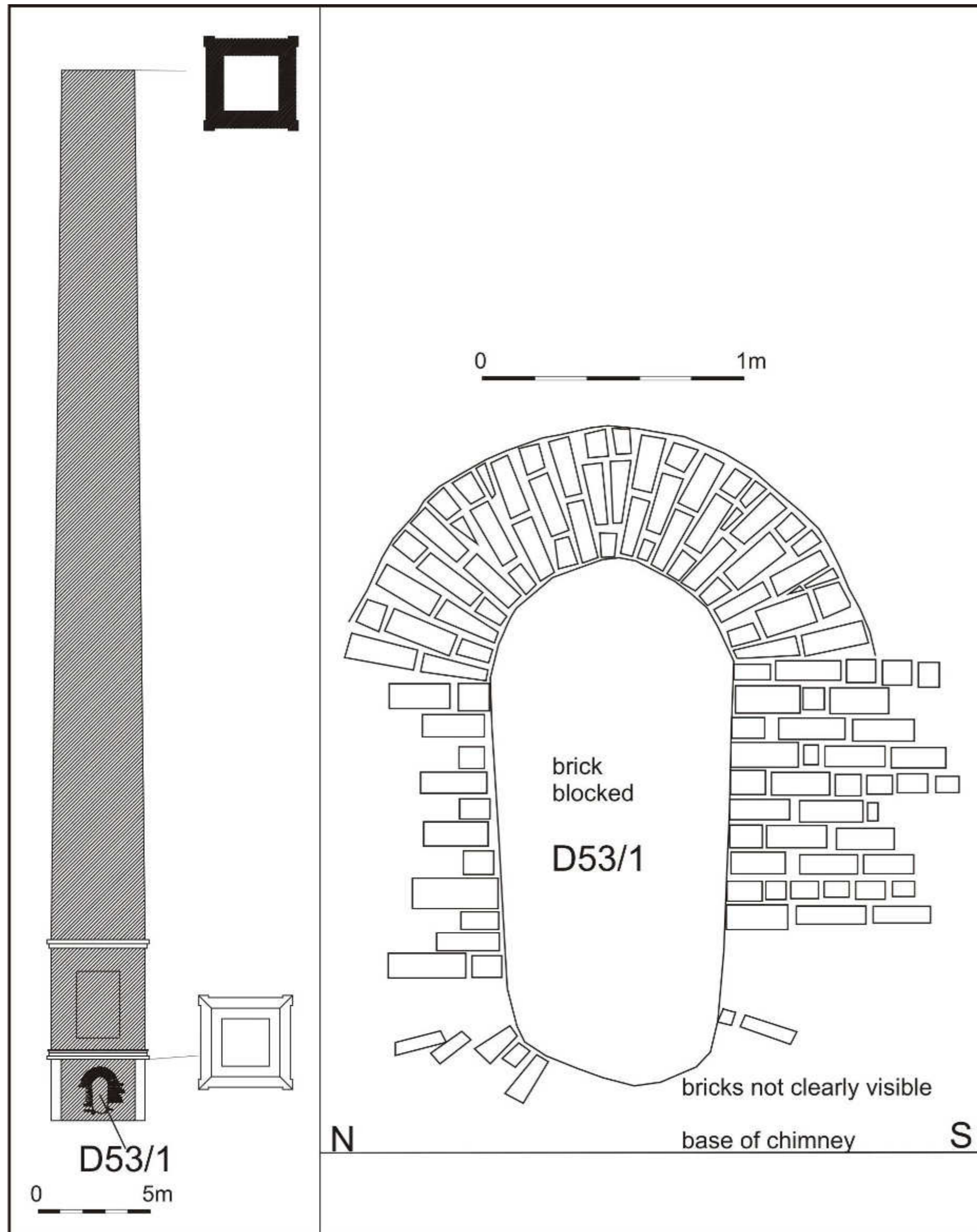
Building 52 plan annotated with feature numbers used in the survey



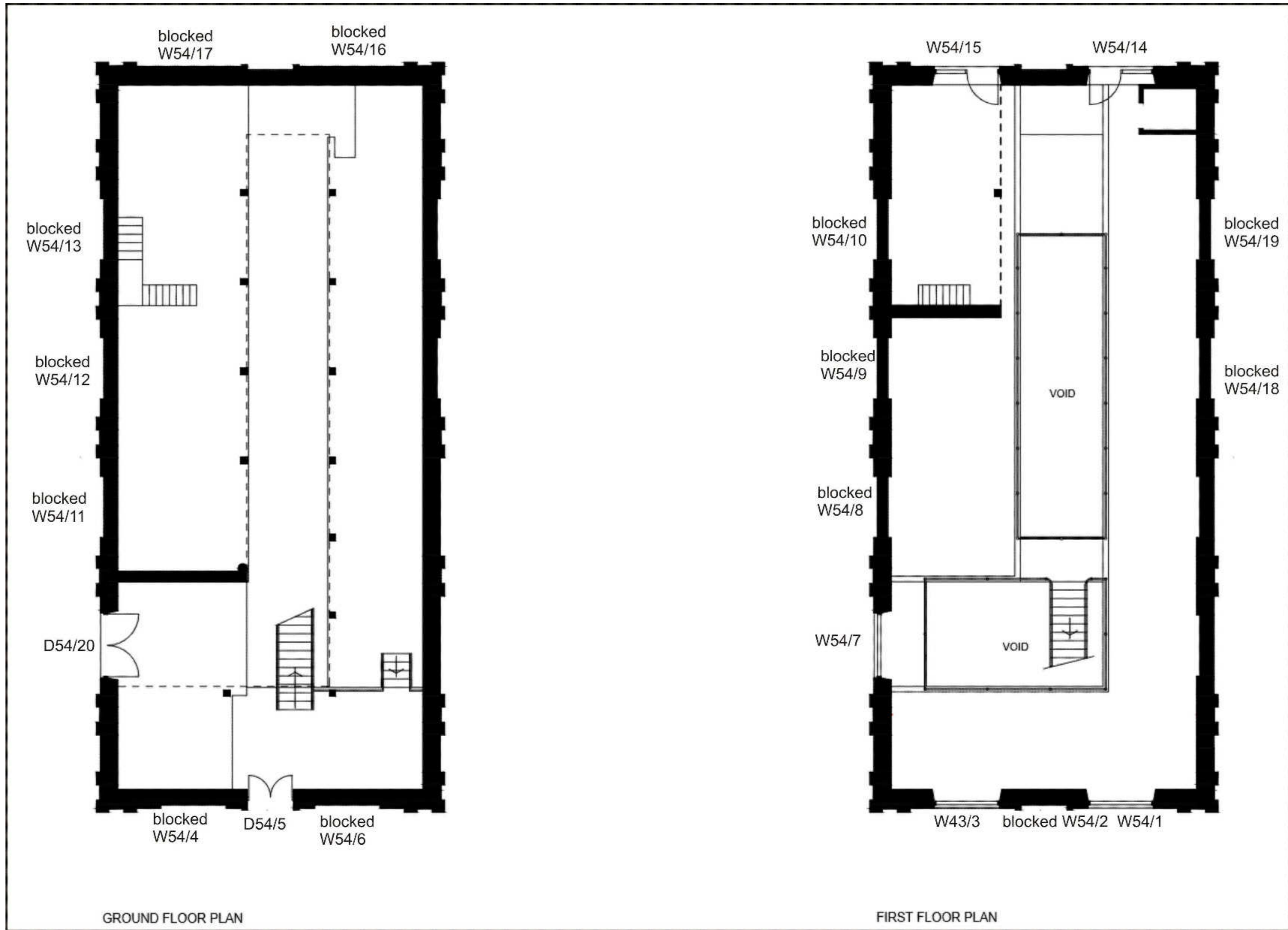
Building 52 elevations annotated with feature numbers used in the survey



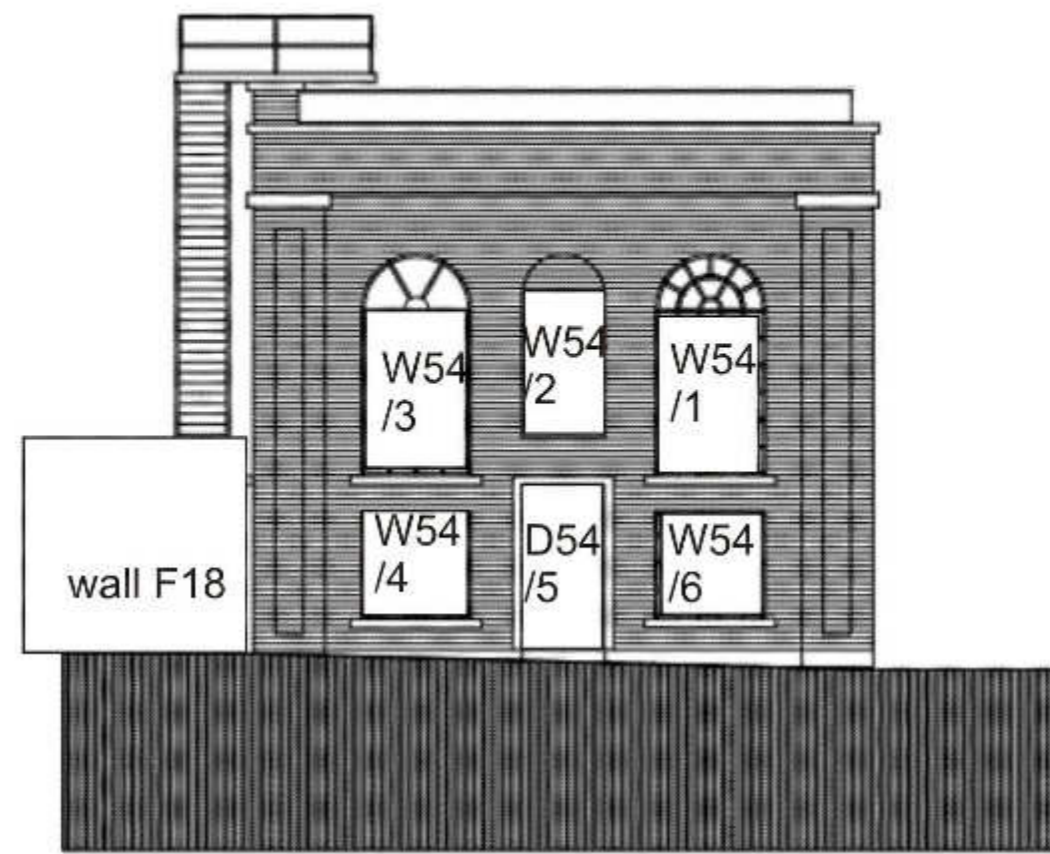
Building 52 F58 elevations and brick detail



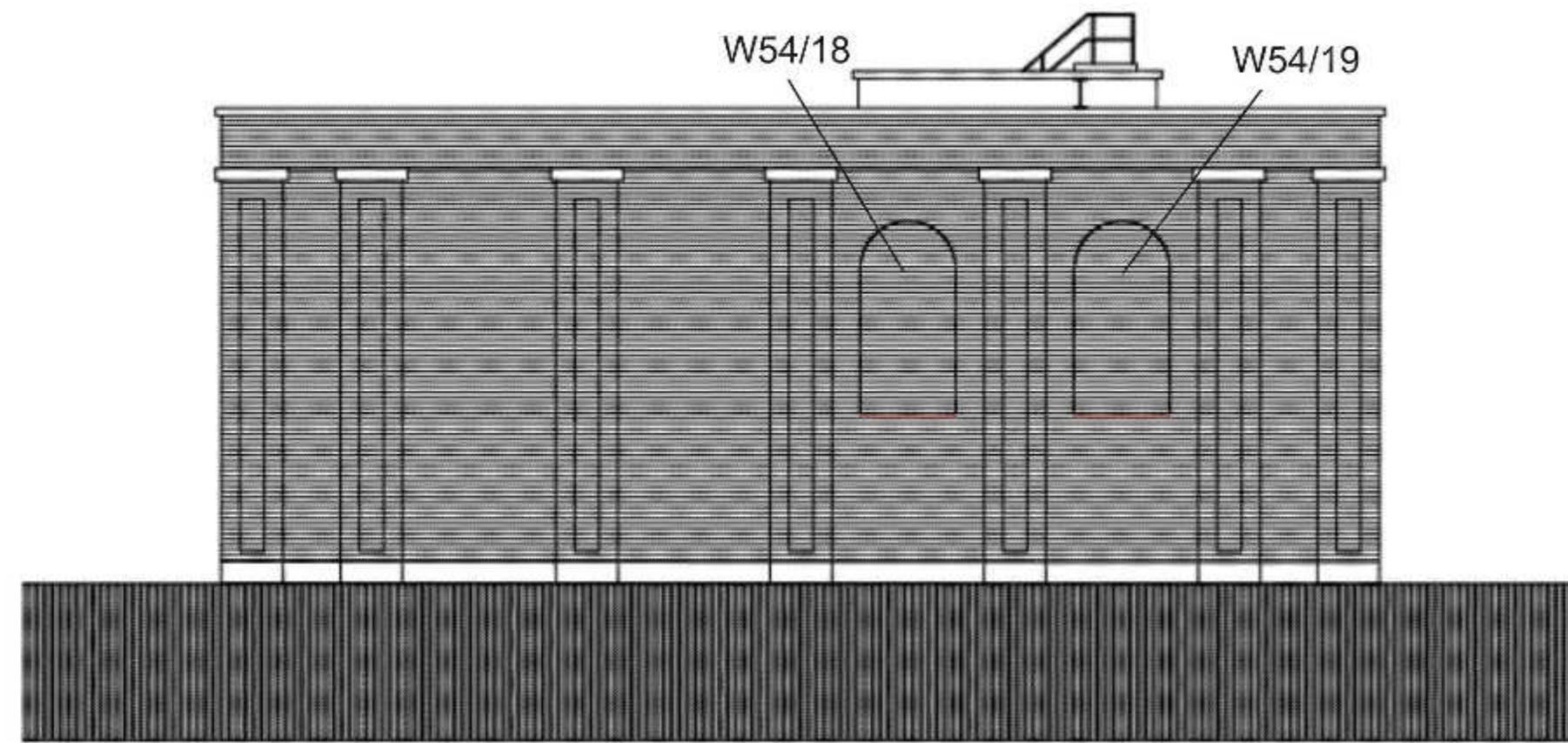
Building 53 brick chimney plan and elevation (left, copyright Halliday Fraser Munro), elevation drawing door D53/1



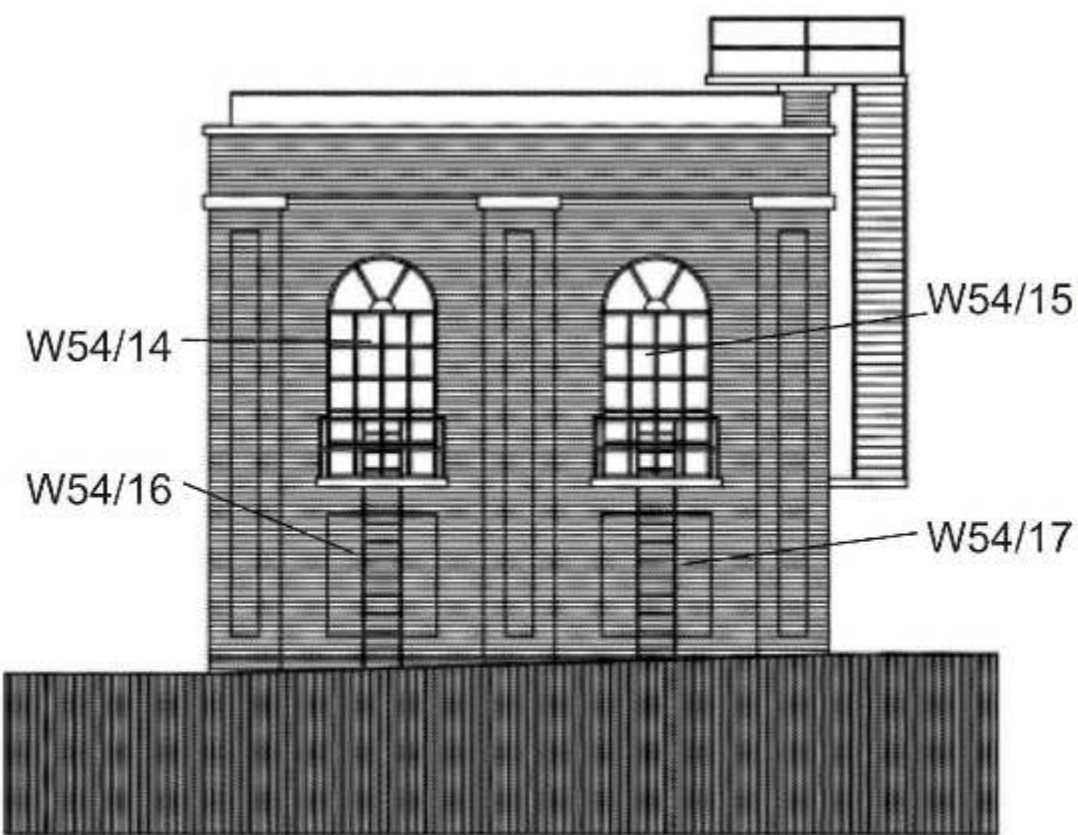
Building 54 plans annotated with feature numbers used in the survey (copyright Halliday Fraser Munro)



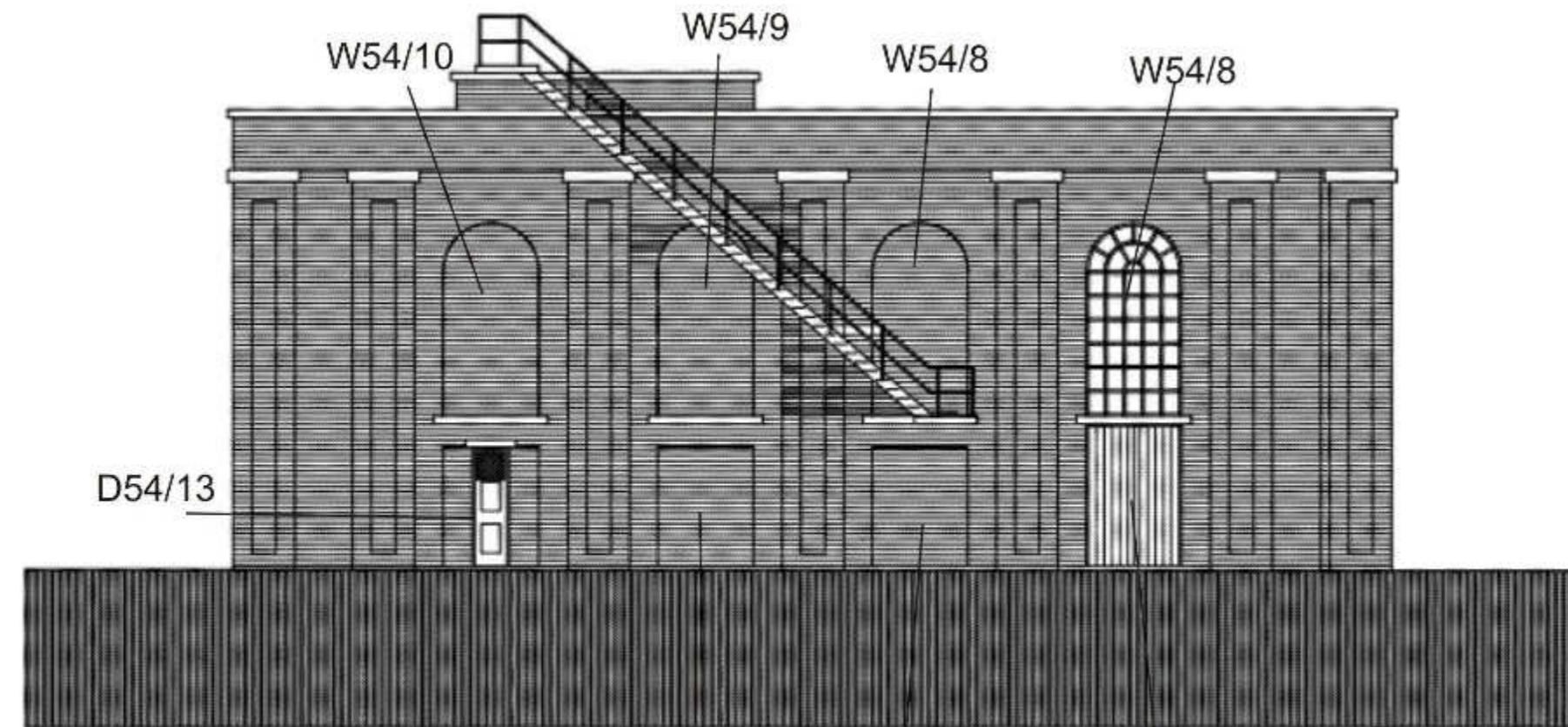
NORTH ELEVATION



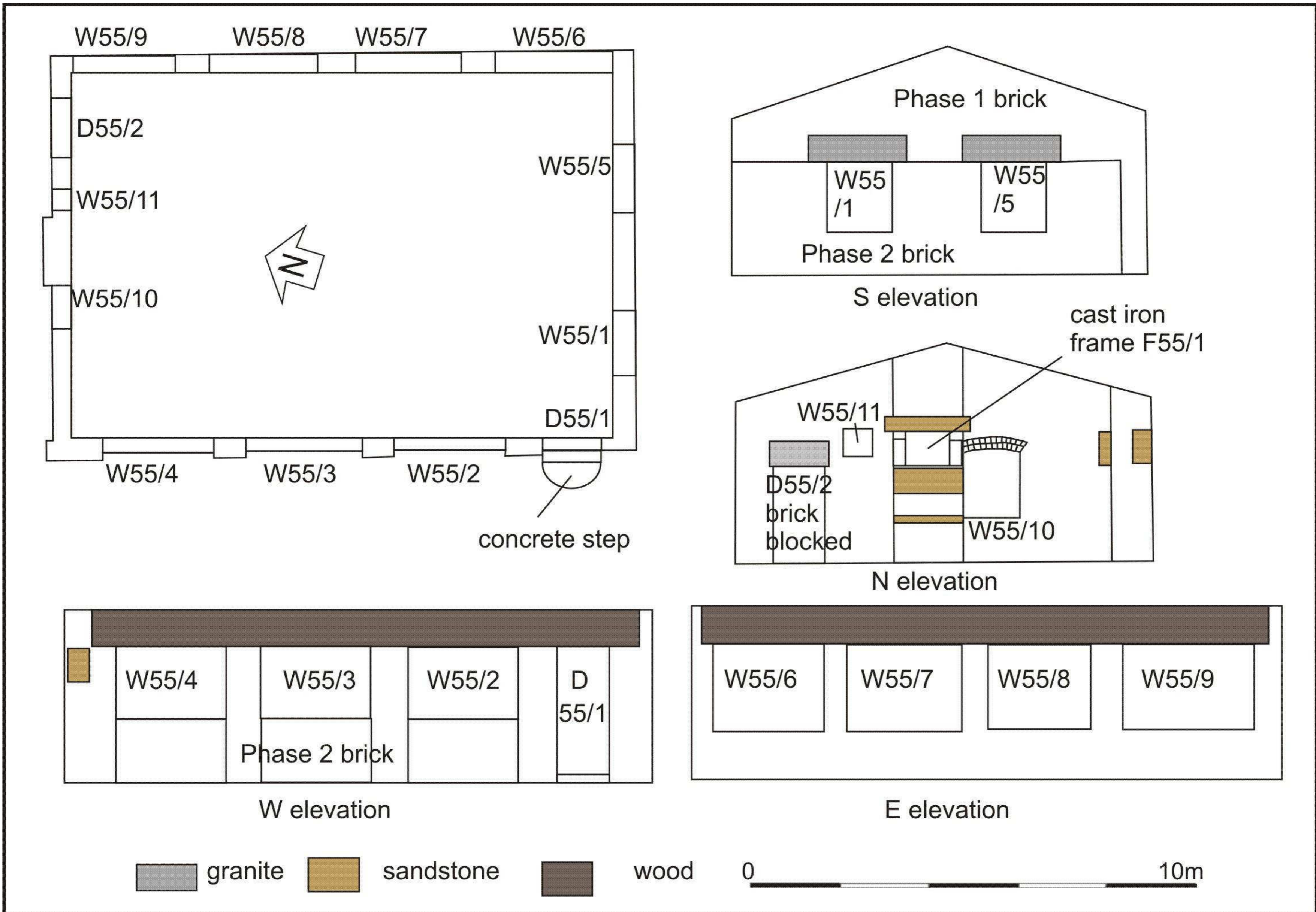
WEST ELEVATION



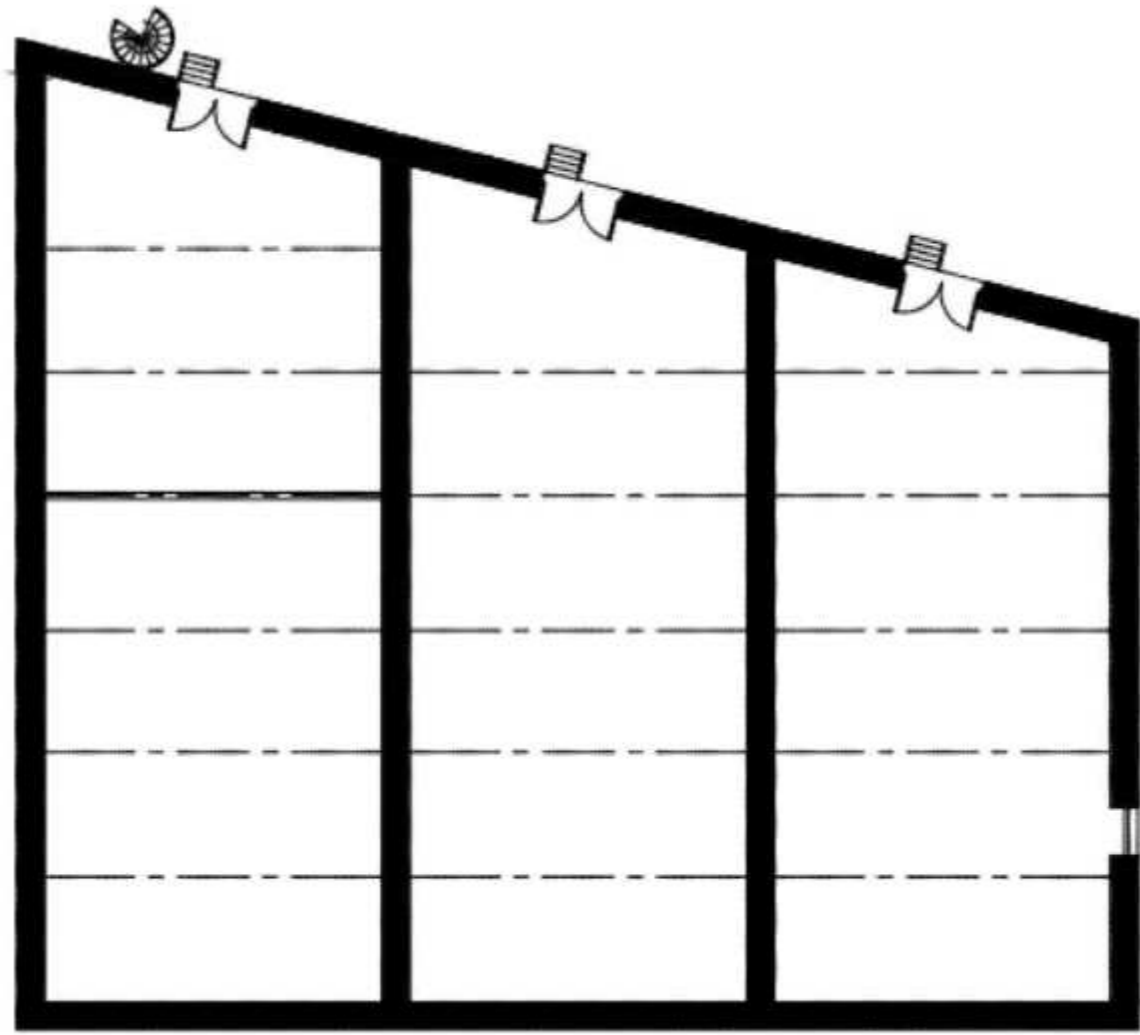
SOUTH ELEVATION



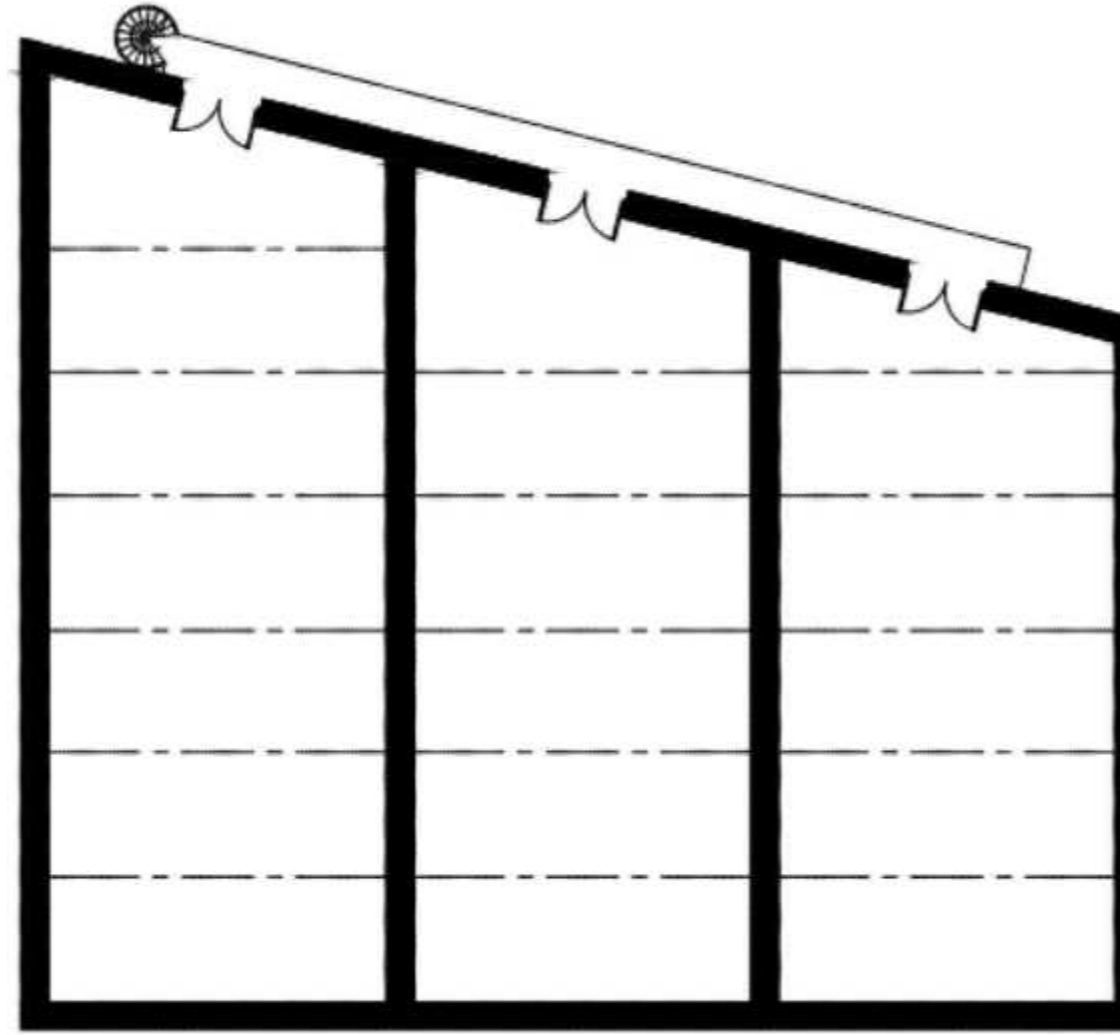
EAST ELEVATION



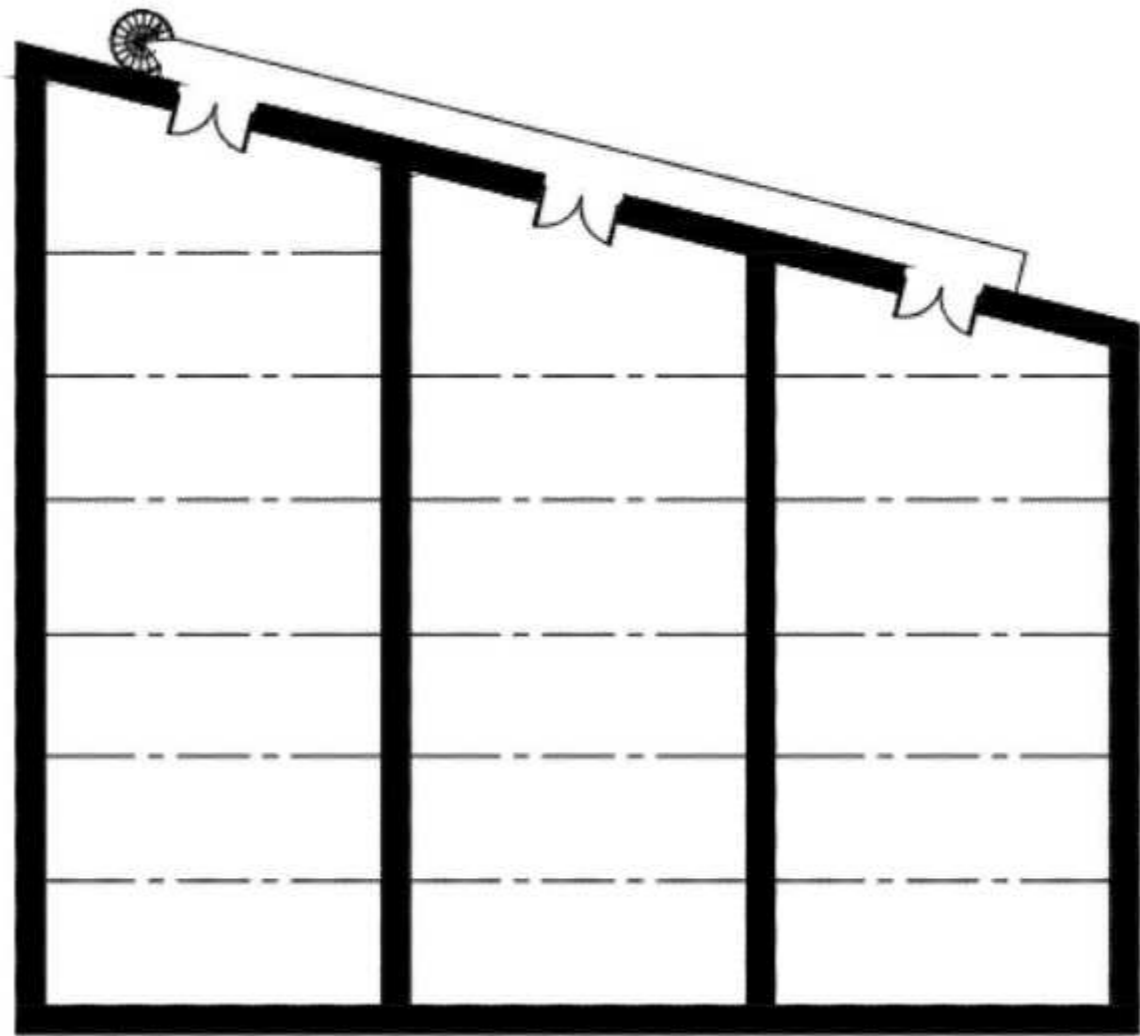
Building 55 plan and elevations annotated with feature numbers used in the survey



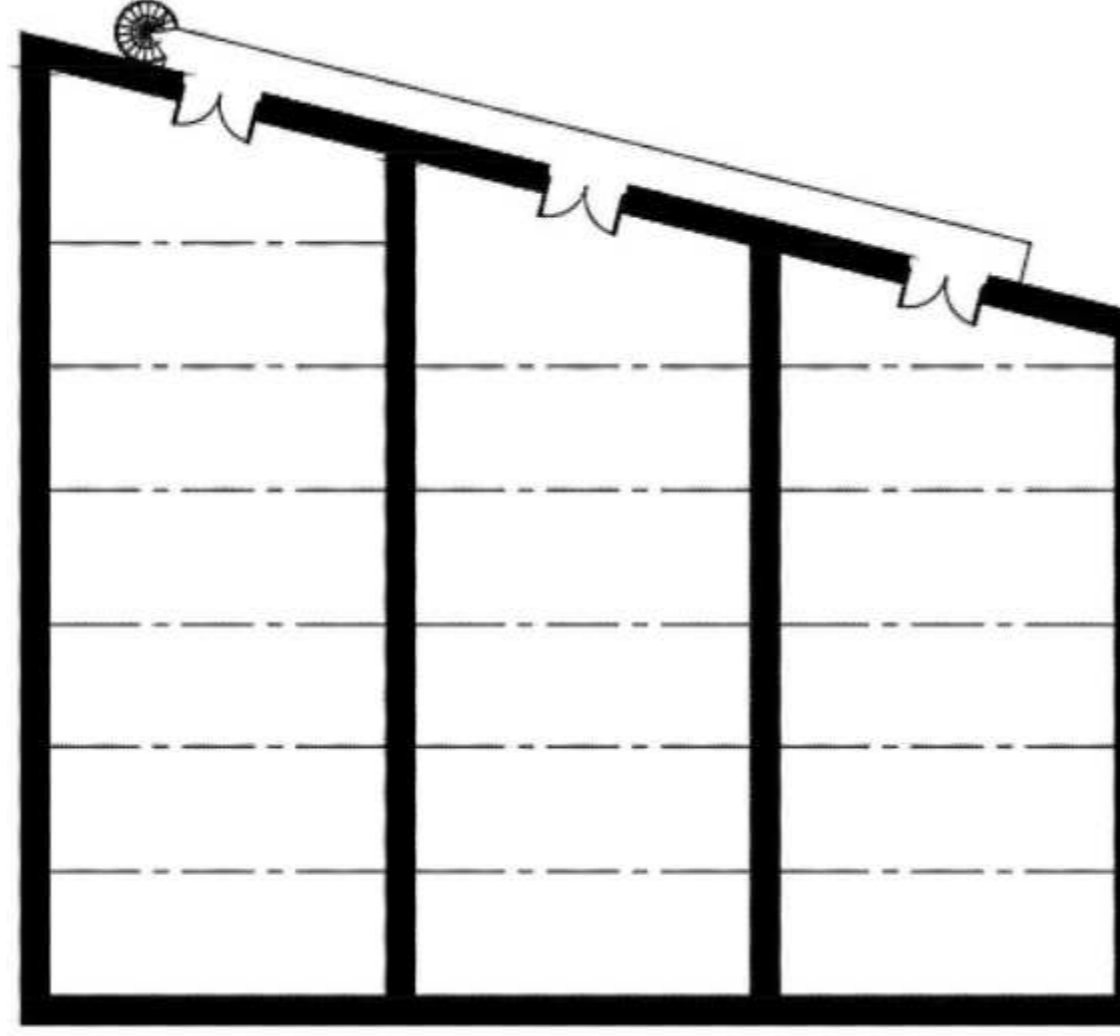
GROUND FLOOR PLAN



FIRST FLOOR PLAN

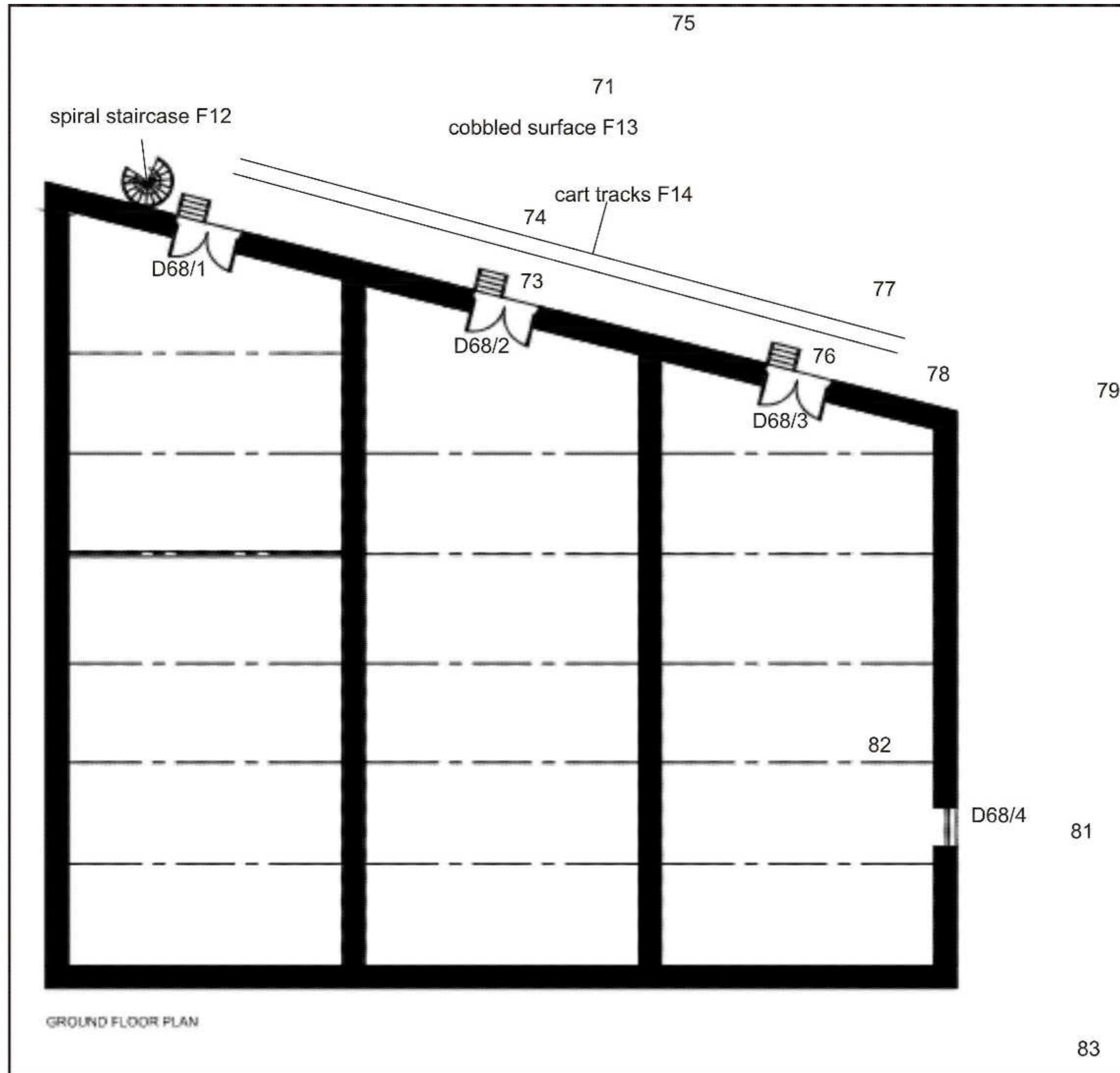


SECOND FLOOR PLAN

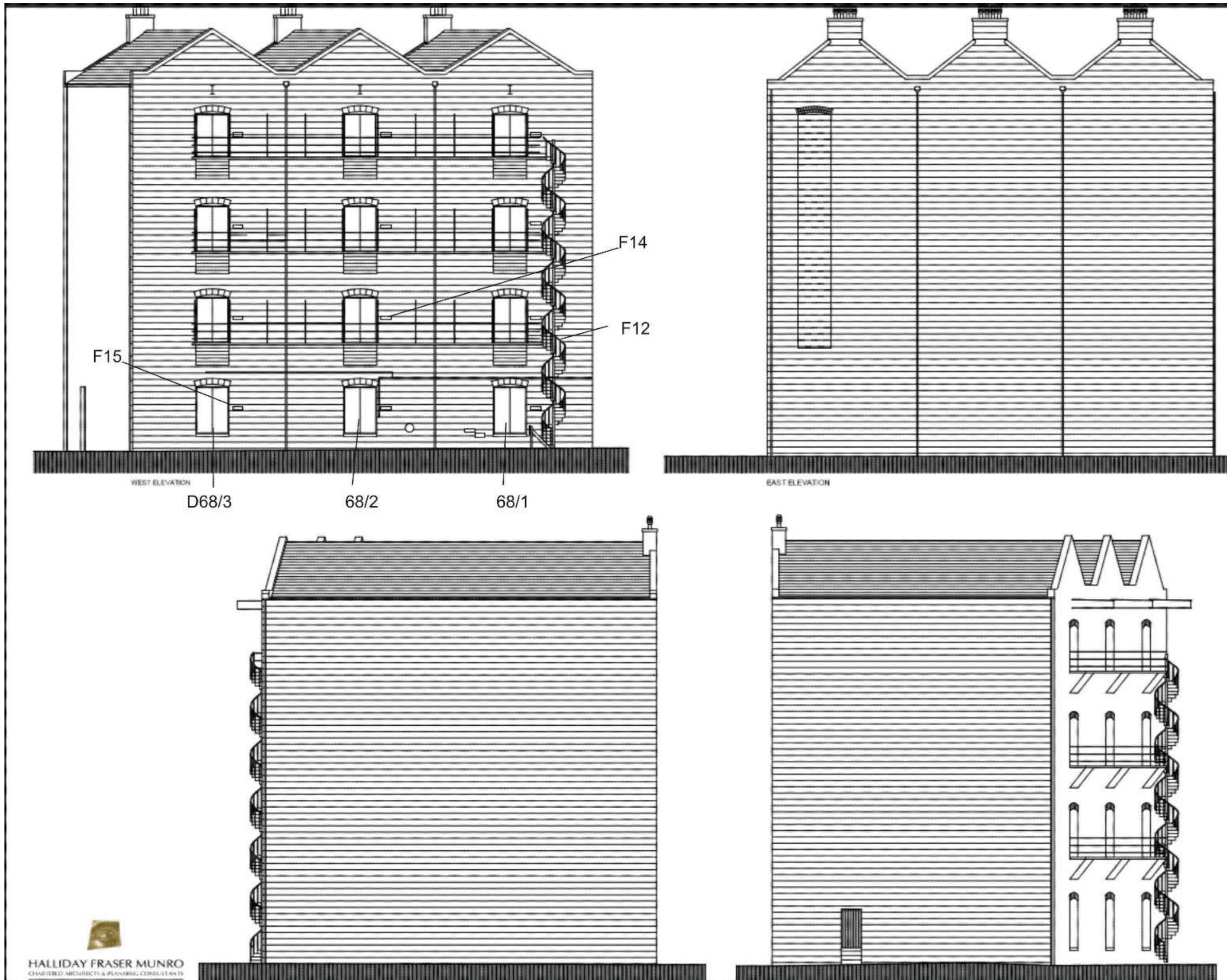


THIRD FLOOR PLAN

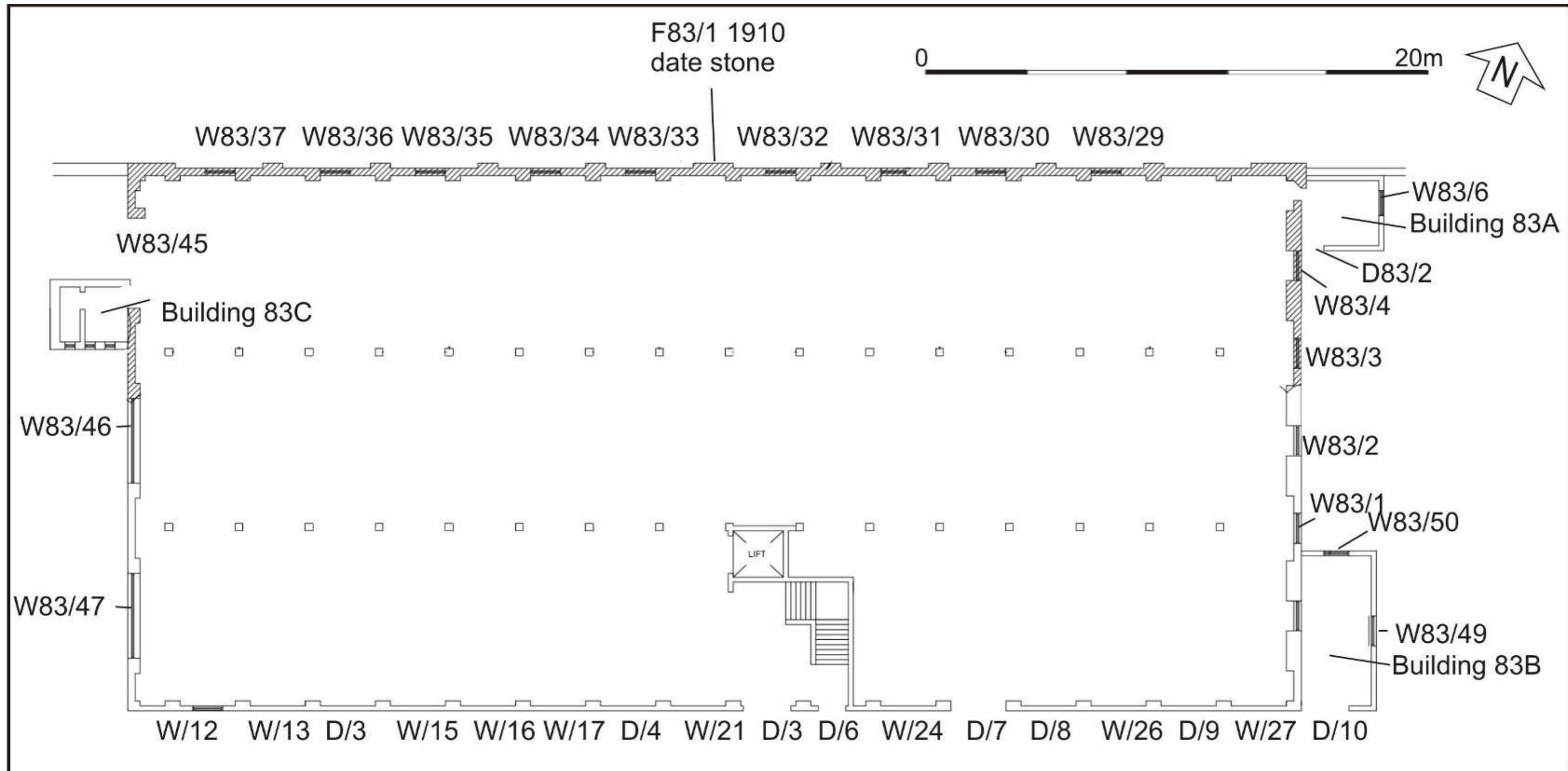




Building 68 ground floor



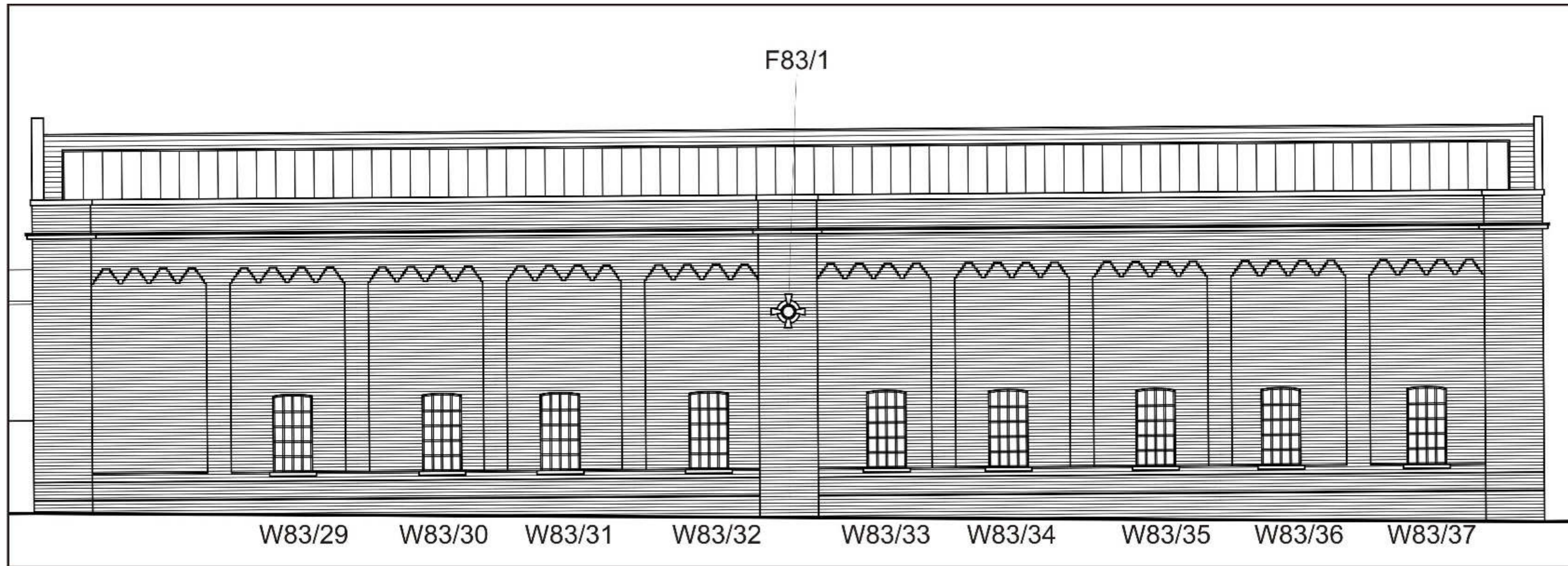
Building 68 elevations



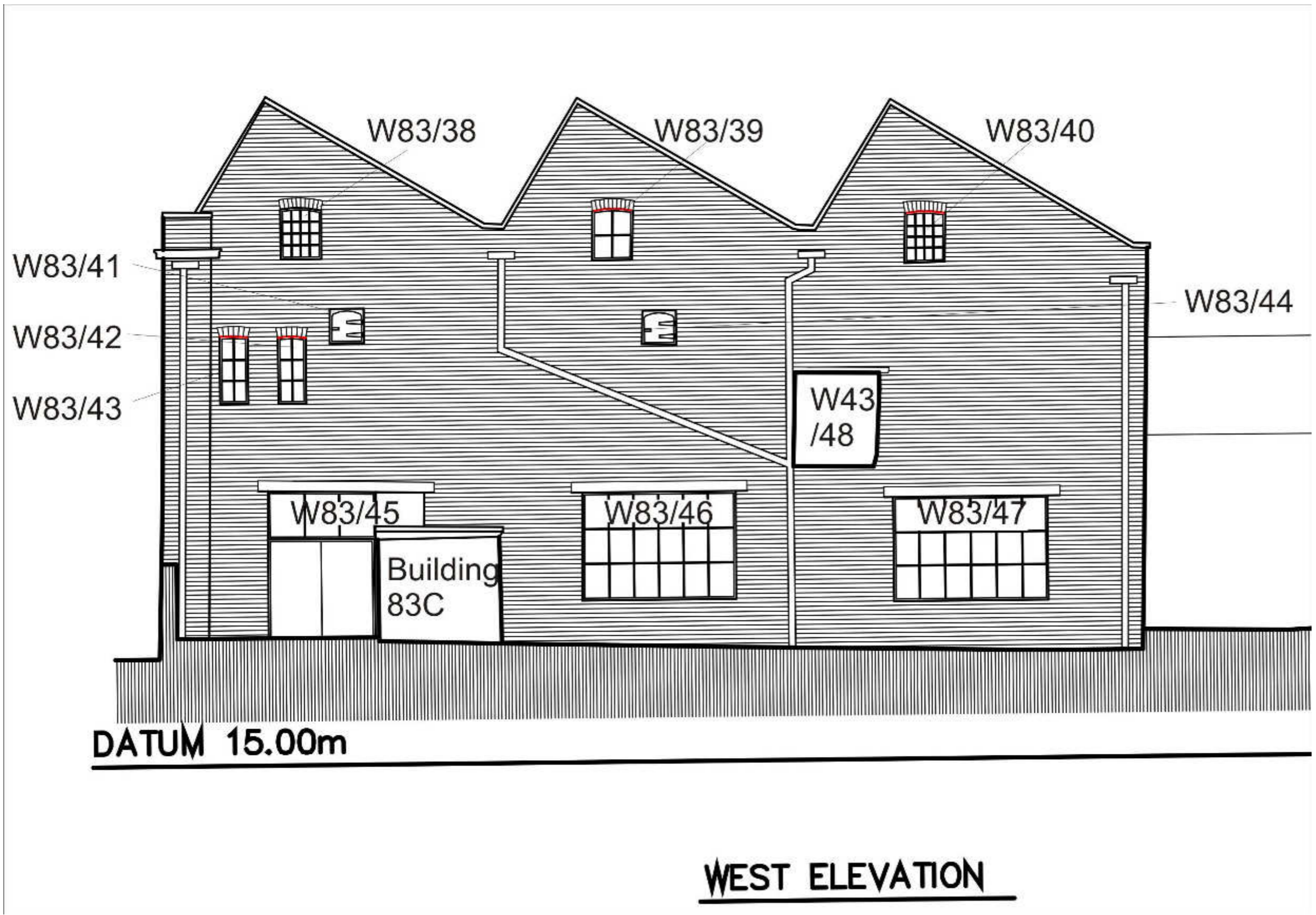
Building 83 plan annotated with feature numbers used in the survey (copyright Halliday Fraser Munro)



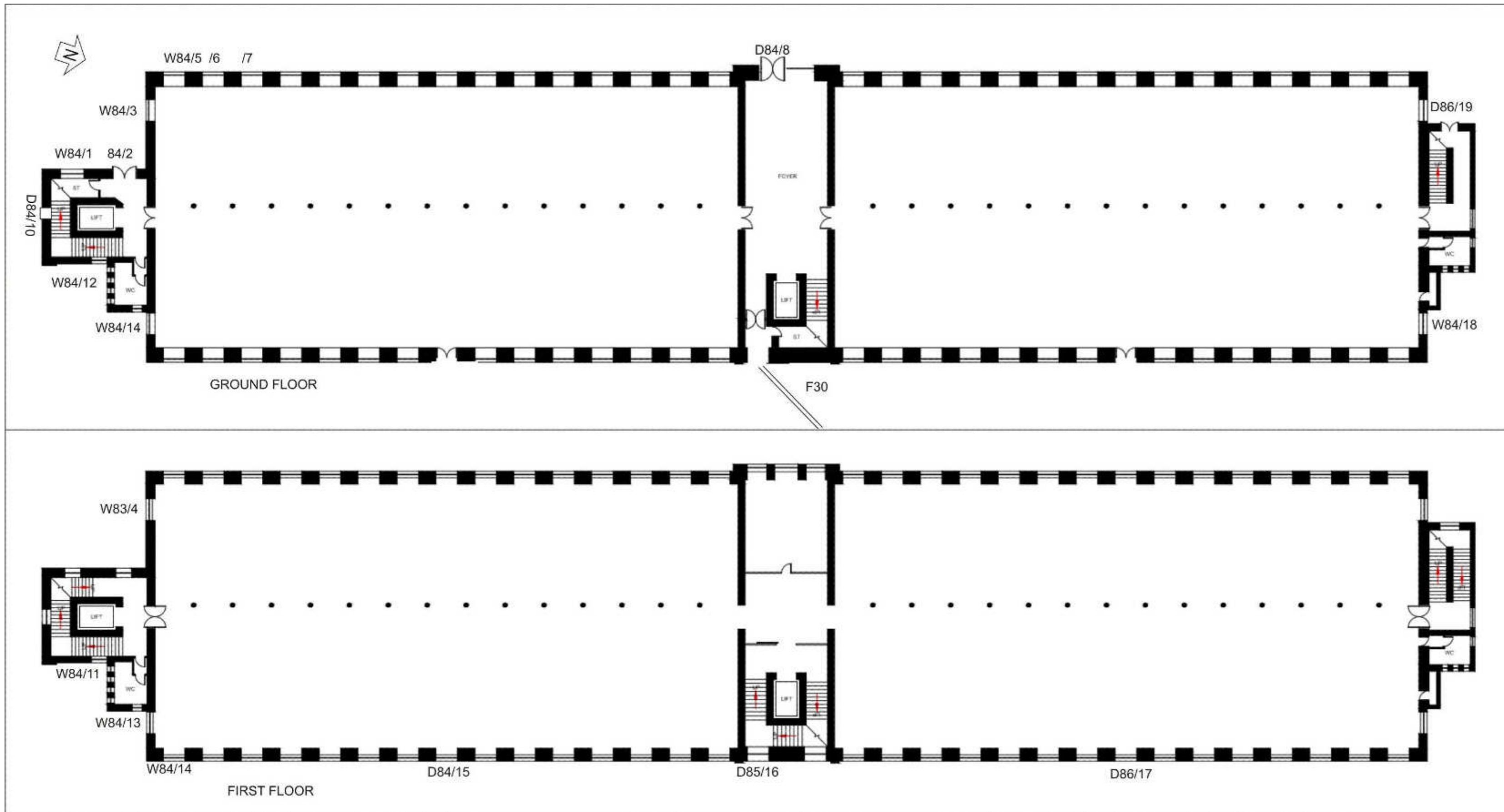
Building 83 S and E elevations annotated with feature numbers used in the survey



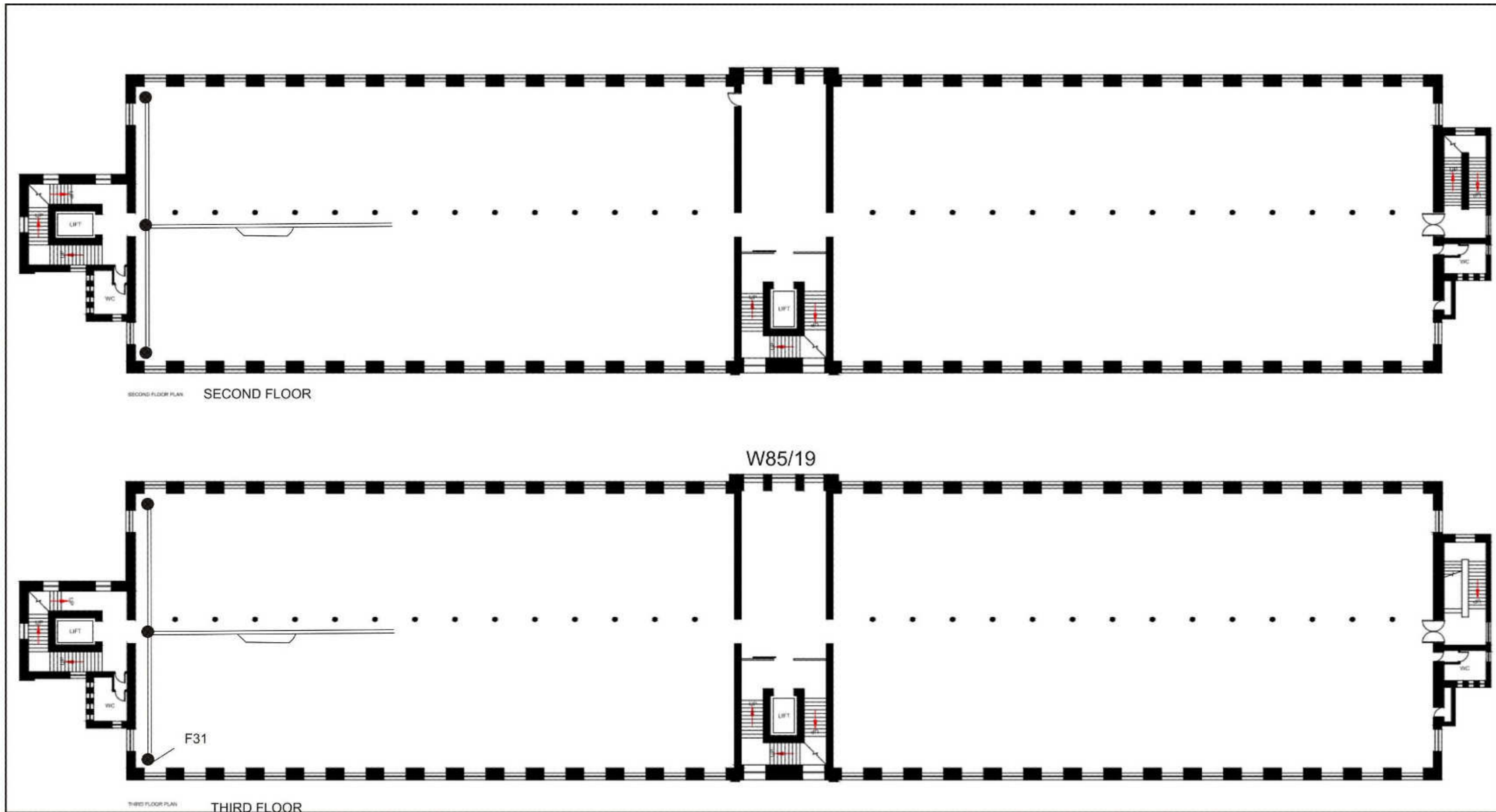
Building 83 N elevation annotated with feature numbers used in the survey (copyright Halliday Fraser Munro)



Building 83 W elevation annotated with feature numbers used in the survey (copyright Halliday Fraser Munro)

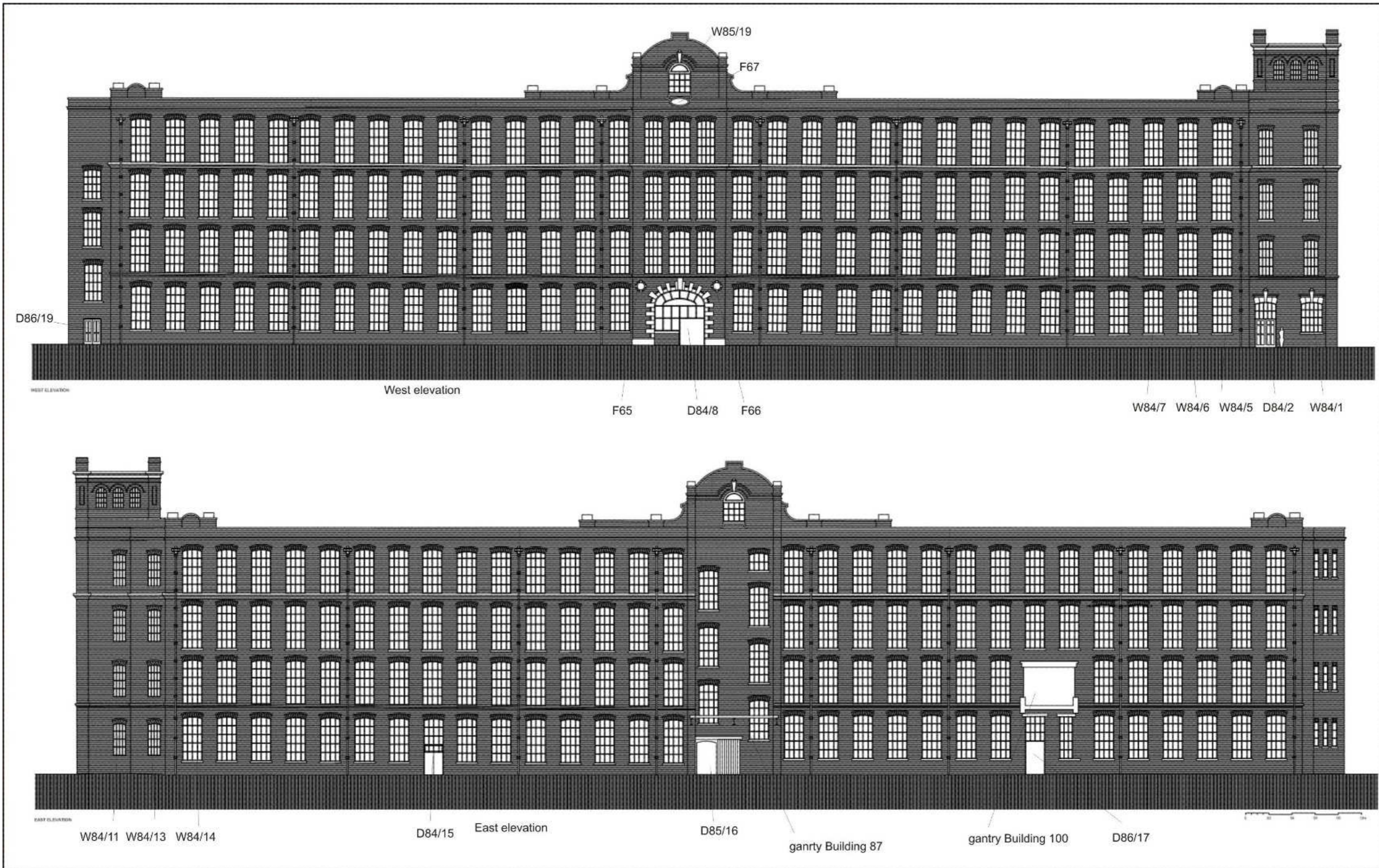


Buildings 84-86 ground and 1<sup>st</sup> floor plans annotated with feature numbers used in the survey (copyright Halliday Fraser Munro)

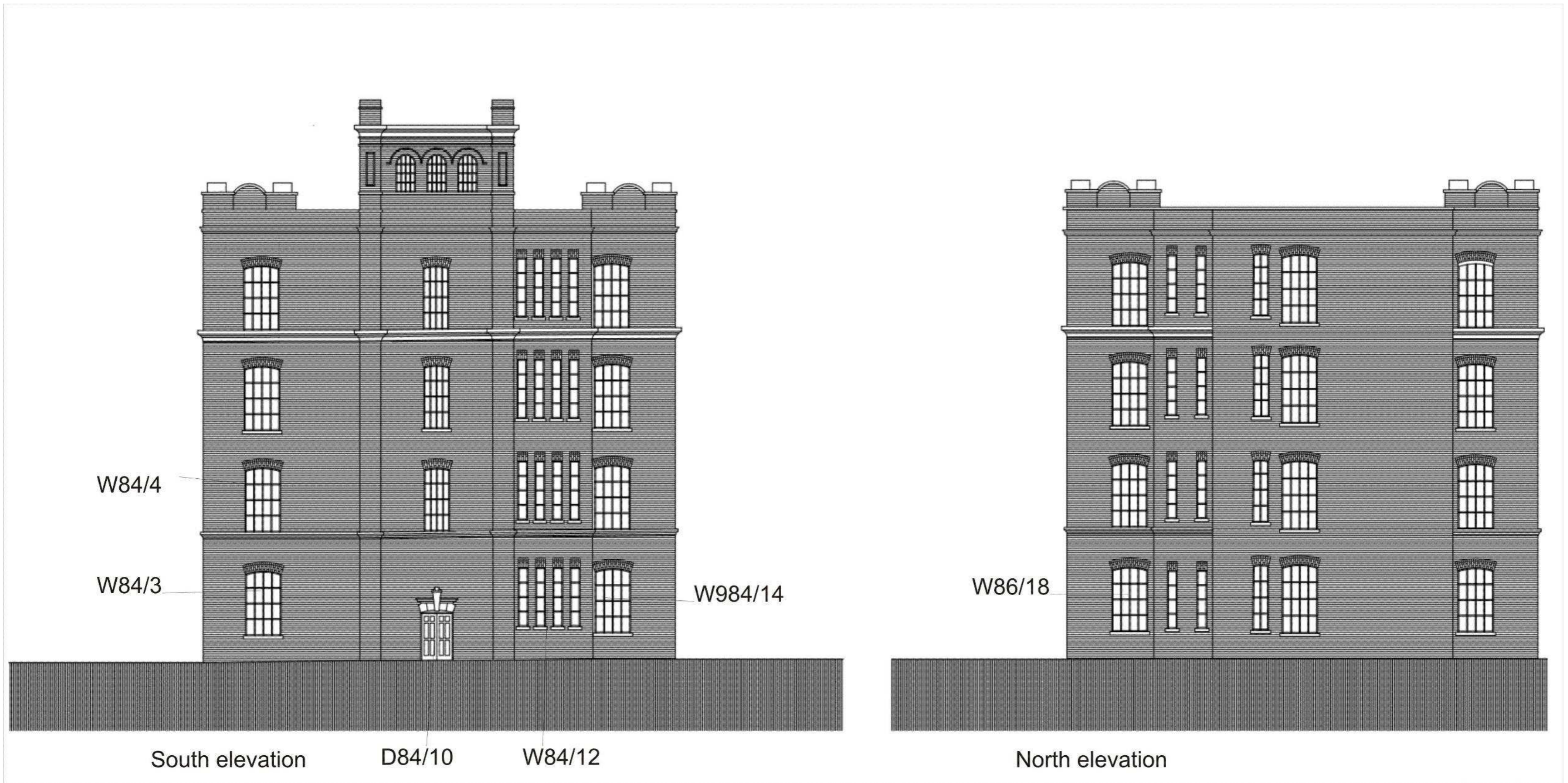


Buildings 84-86 2<sup>nd</sup> and 3<sup>rd</sup> floor plans annotated with feature numbers used in the survey (copyright Halliday Fraser Munro)

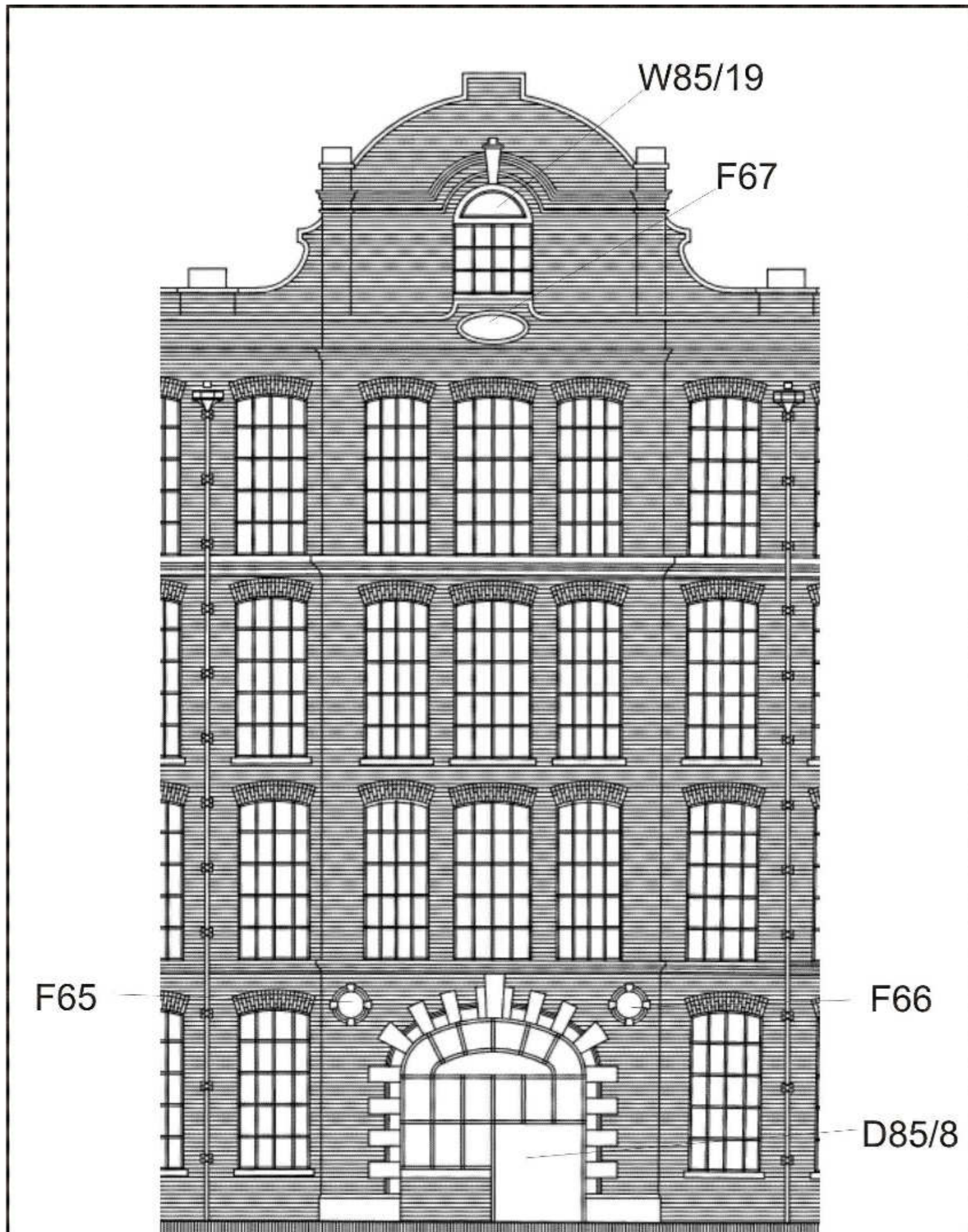




Buildings 84-86 E and W elevation annotated with feature numbers used in the survey (copyright Halliday Fraser Munro)

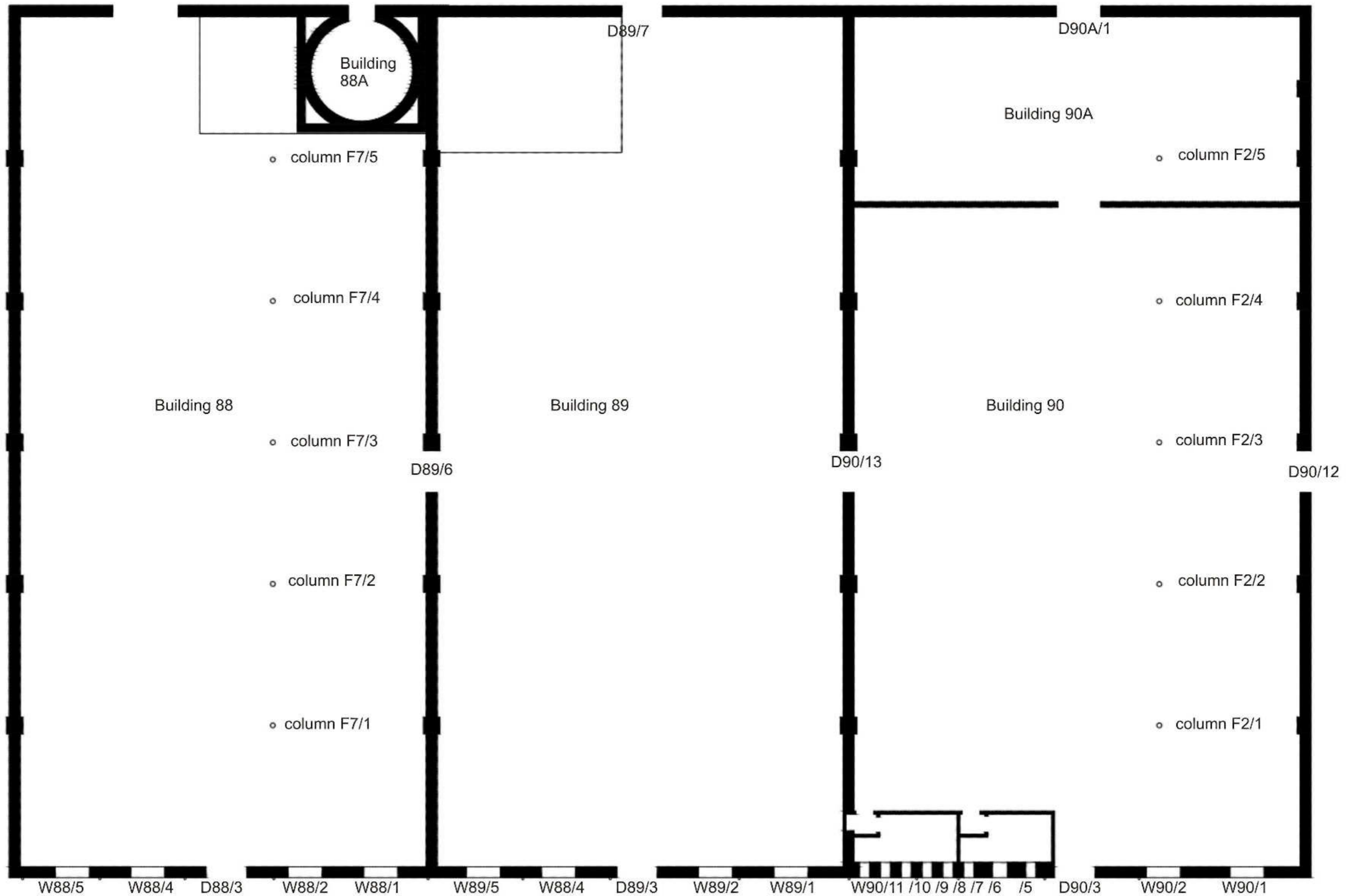


Buildings 84-86 N and S elevation annotated with feature numbers used in the survey (copyright Halliday Fraser Munro)

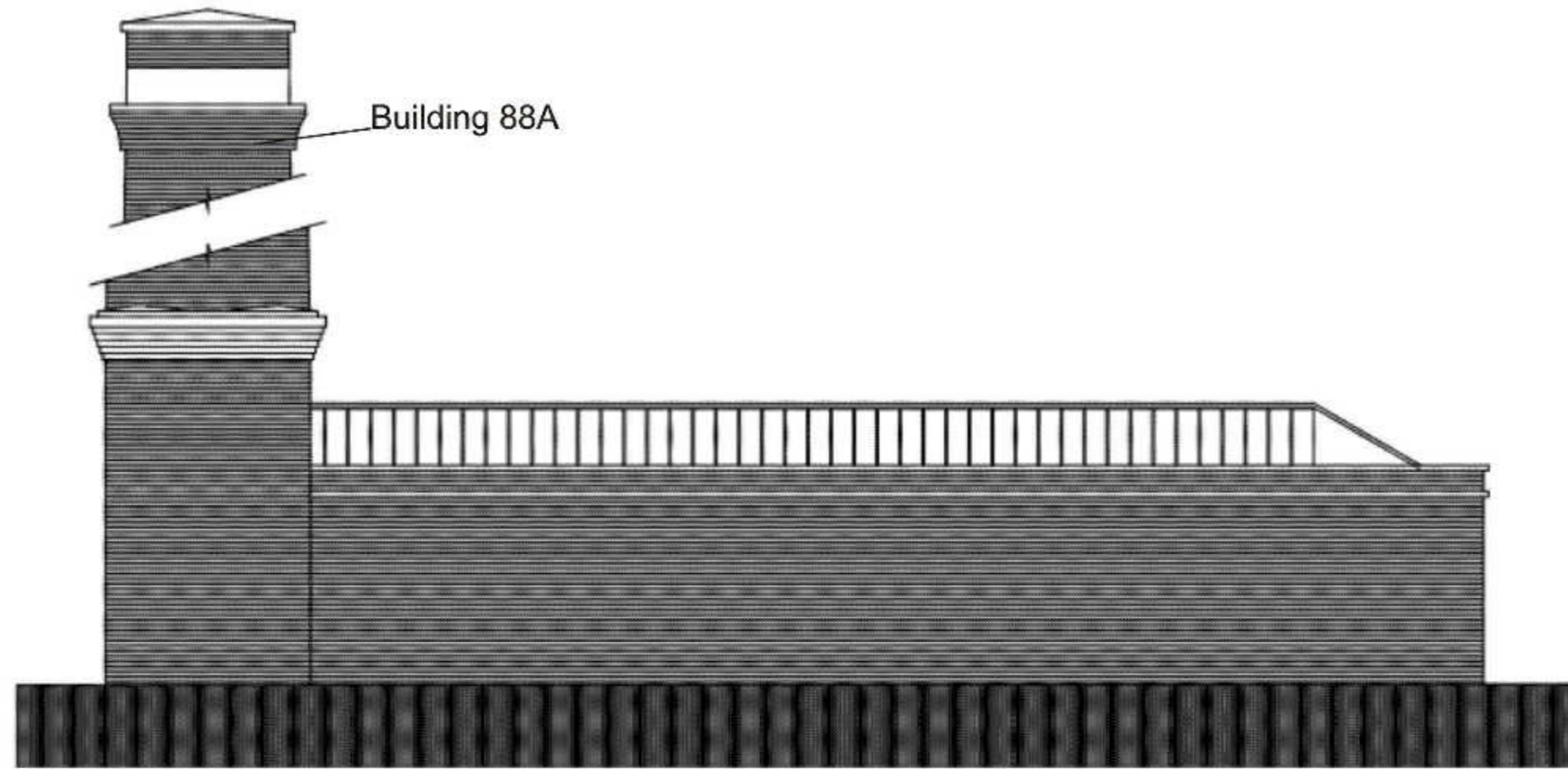


Building 85 W elevation central tower detail annotated with feature numbers used in the survey (copyright Halliday Fraser Munro)

Building 97

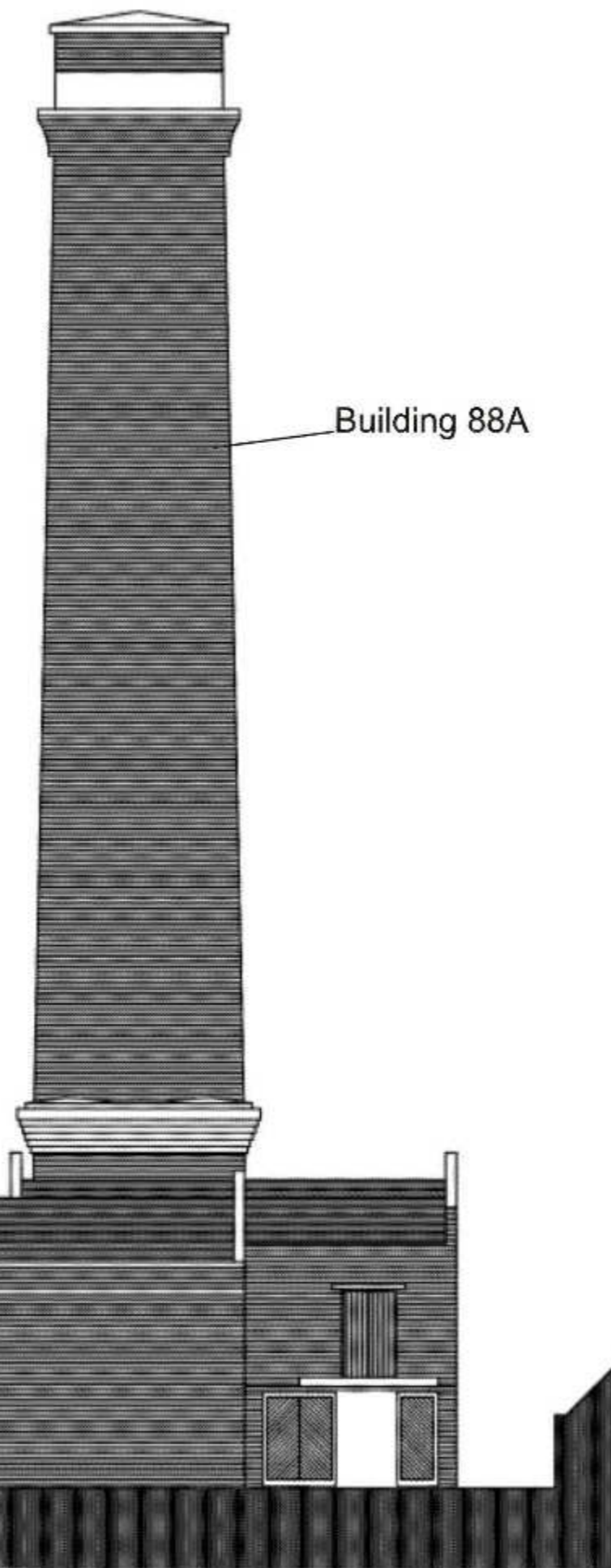


Buildings 88-90 ground floor annotated with feature numbers used in the survey (copyright Halliday Fraser Munro)



NORTH ELEVATION

North elevation

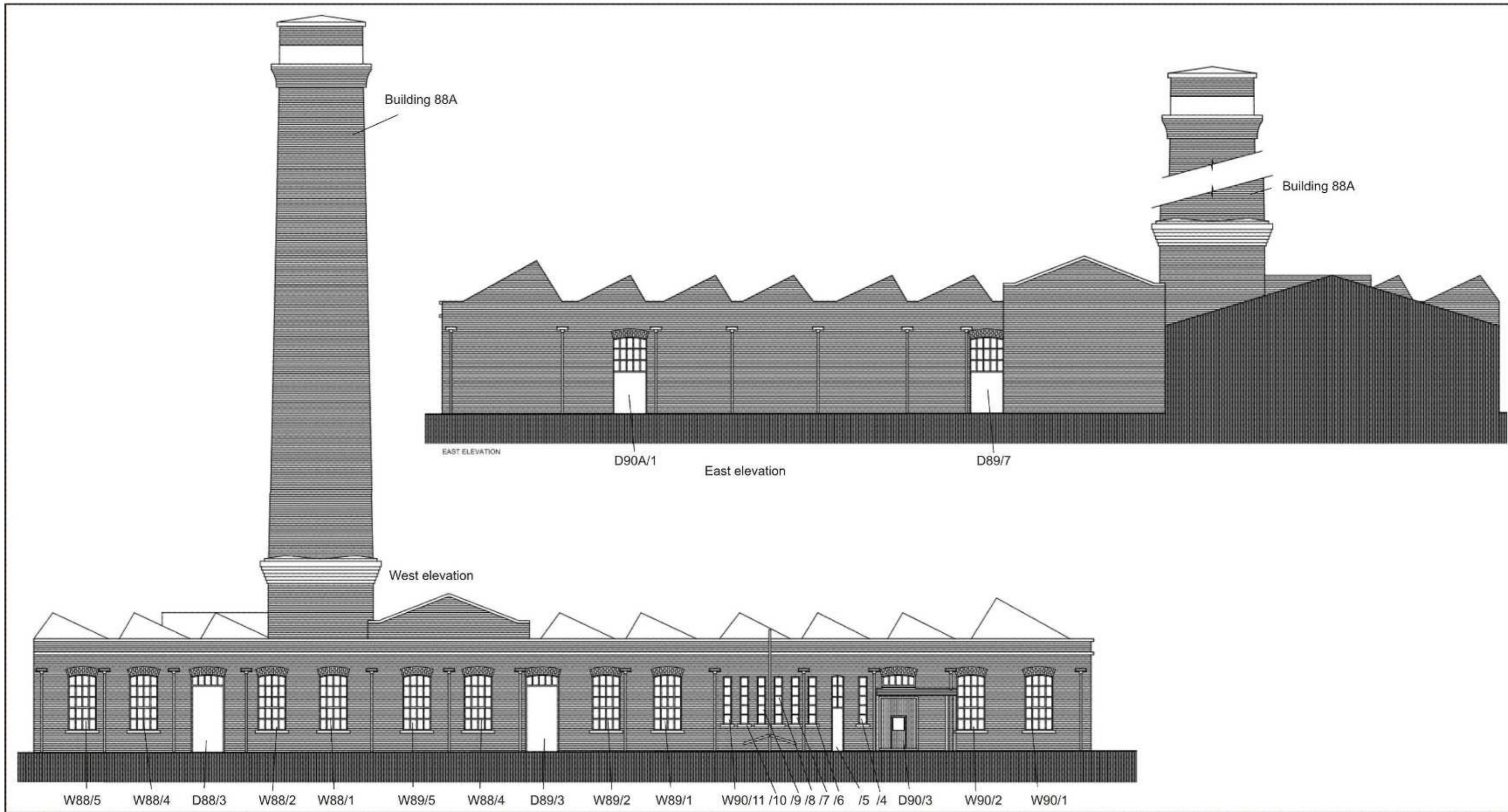


SOUTH ELEVATION

D90/12

South elevation

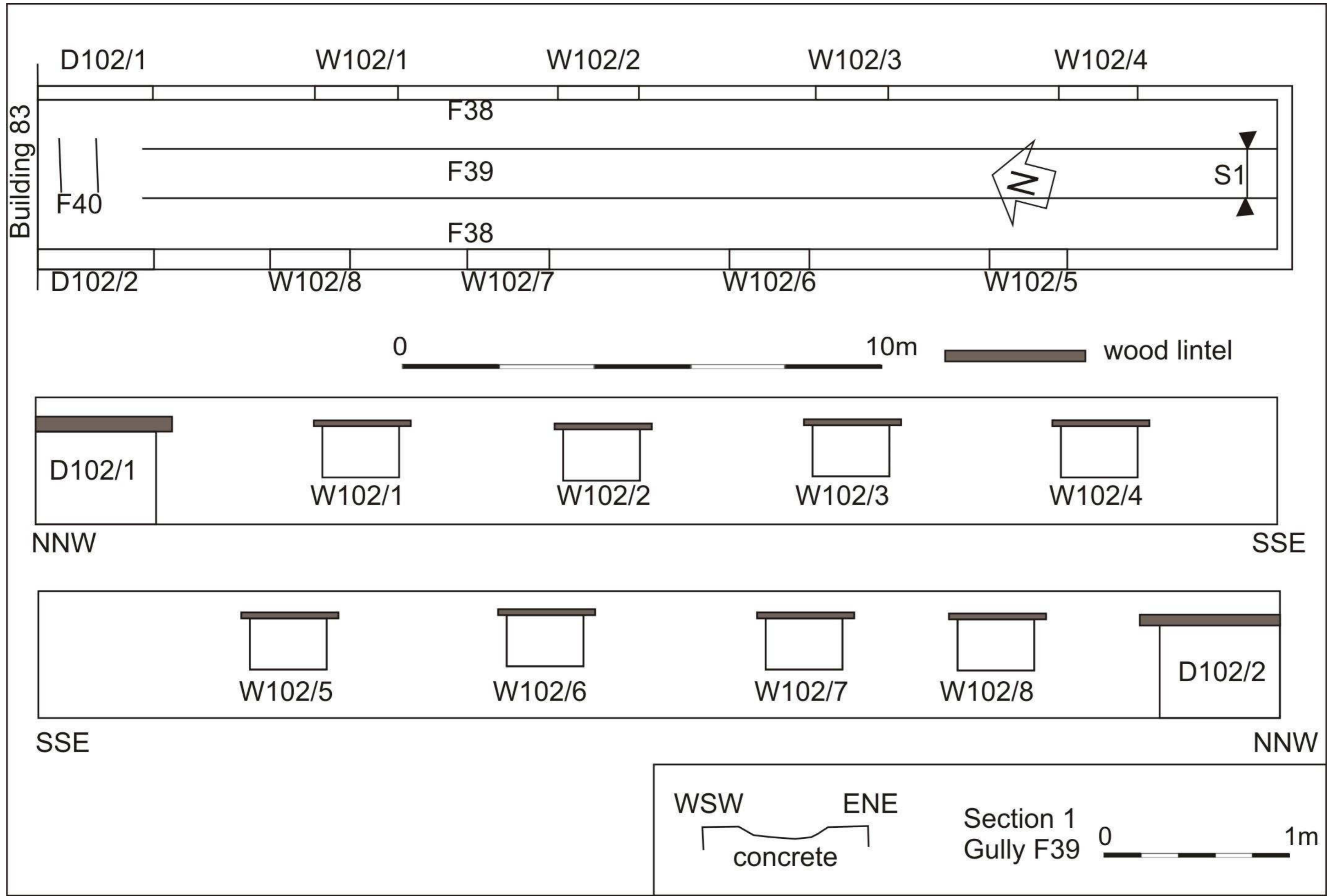
Buildings 88-90 N and S elevations annotated with feature numbers used in the survey (copyright Halliday Fraser Munro)



Buildings 88-90 E and W elevations annotated with feature numbers used in the survey (copyright Halliday Fraser Munro)

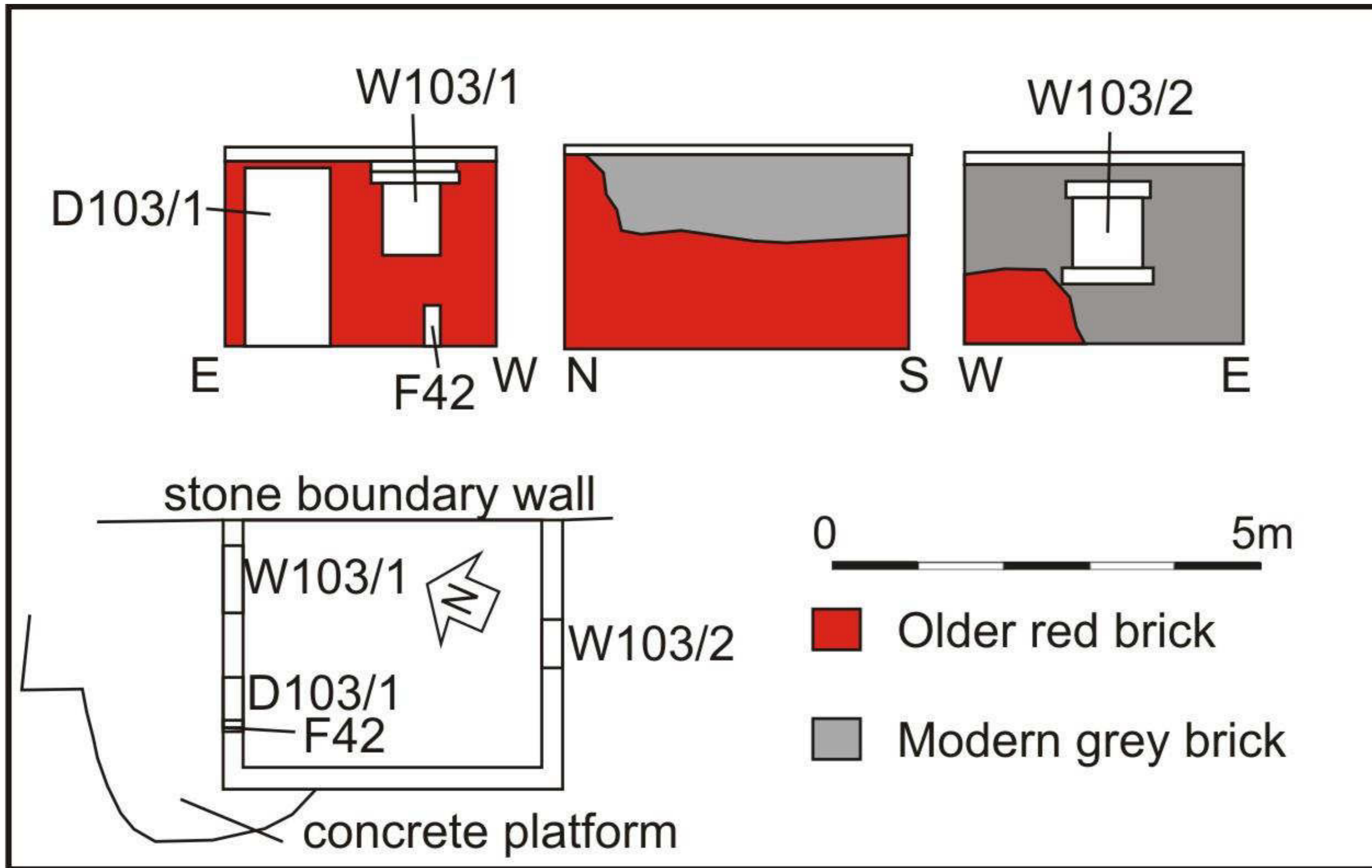


Buildings 92-95 annotated with feature numbers used in the survey (copyright Halliday Fraser Munro)

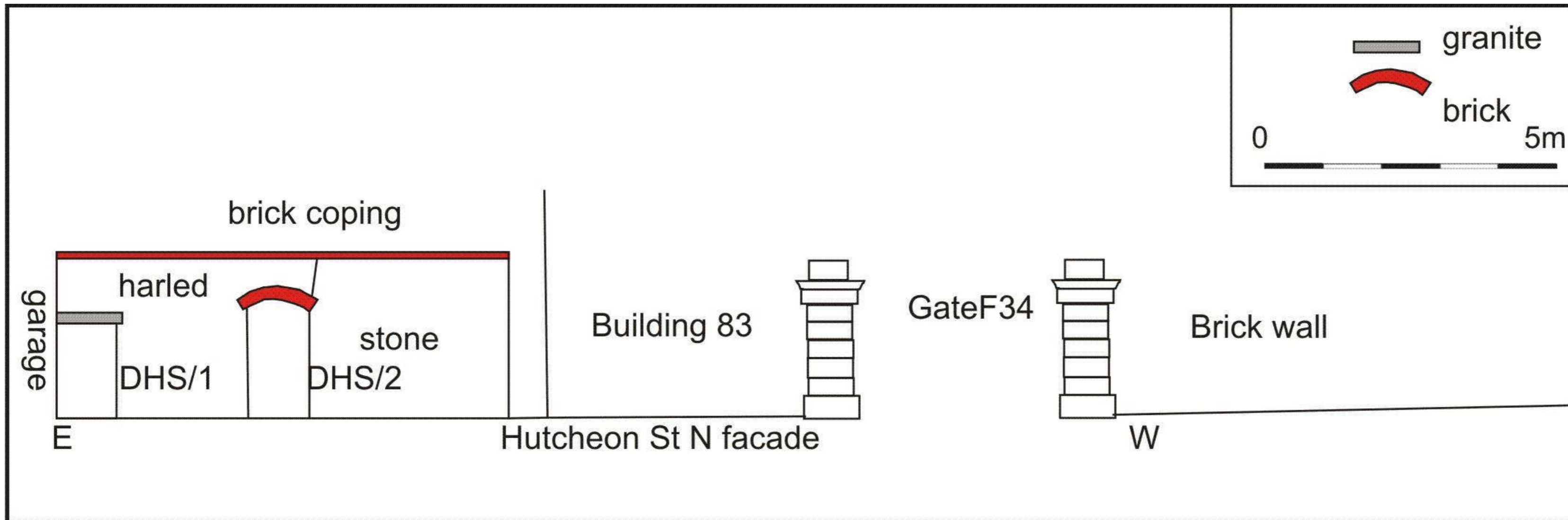


Building 102 plan (top) and elevations (bottom)

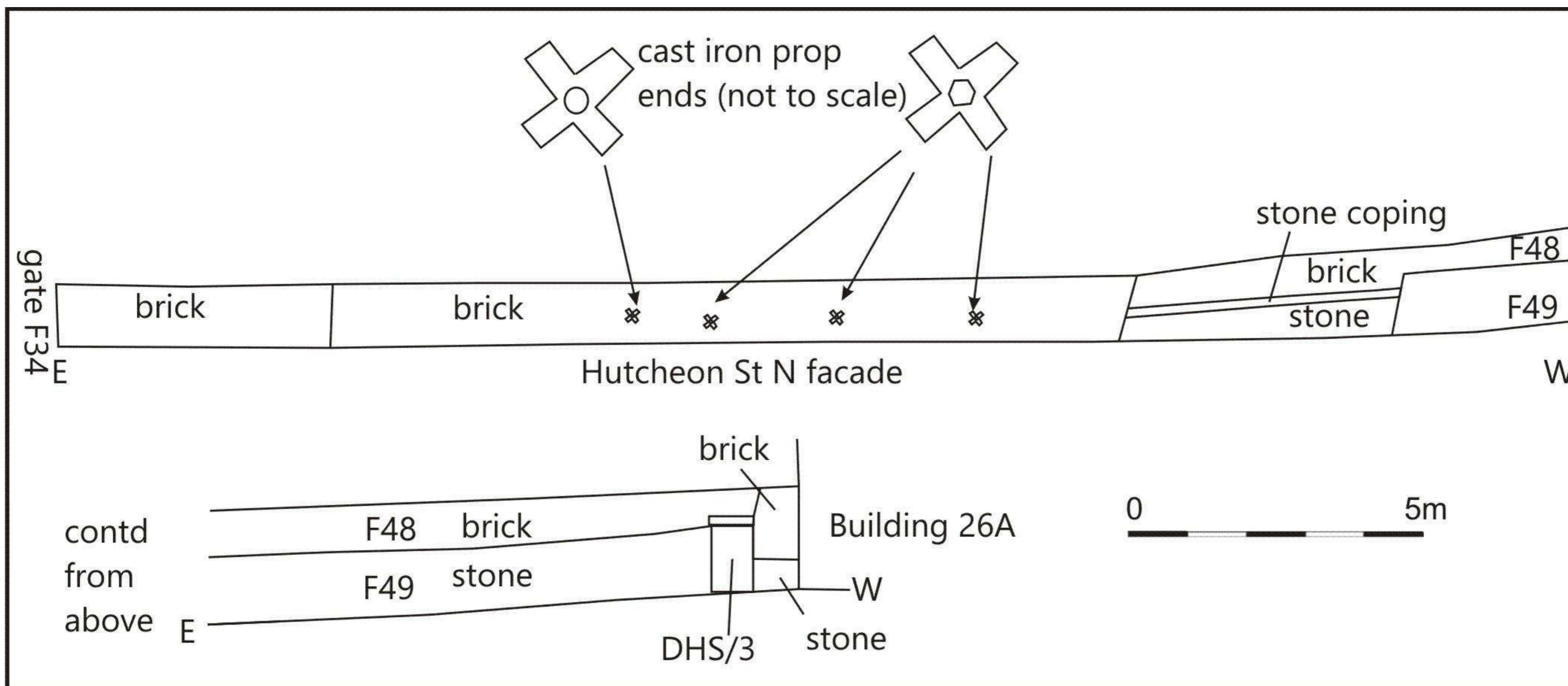




Building 103 plan and elevations

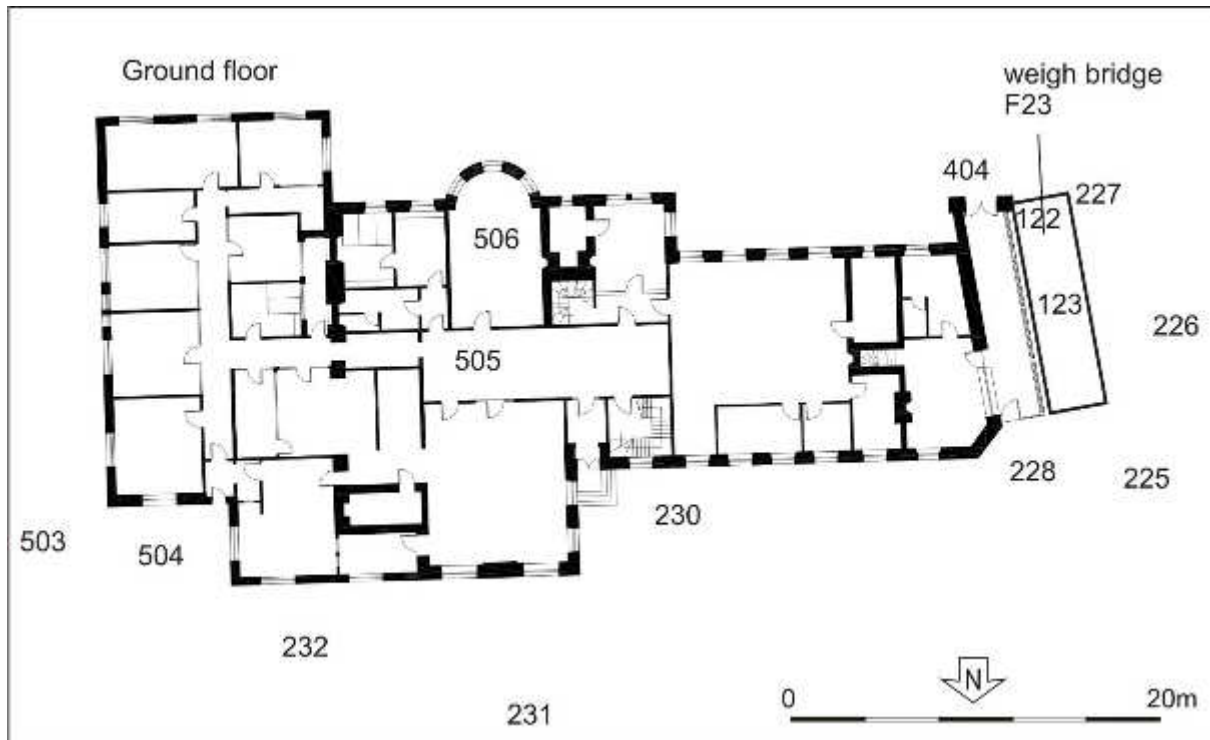


F34 and wall with DHS/1 and /2

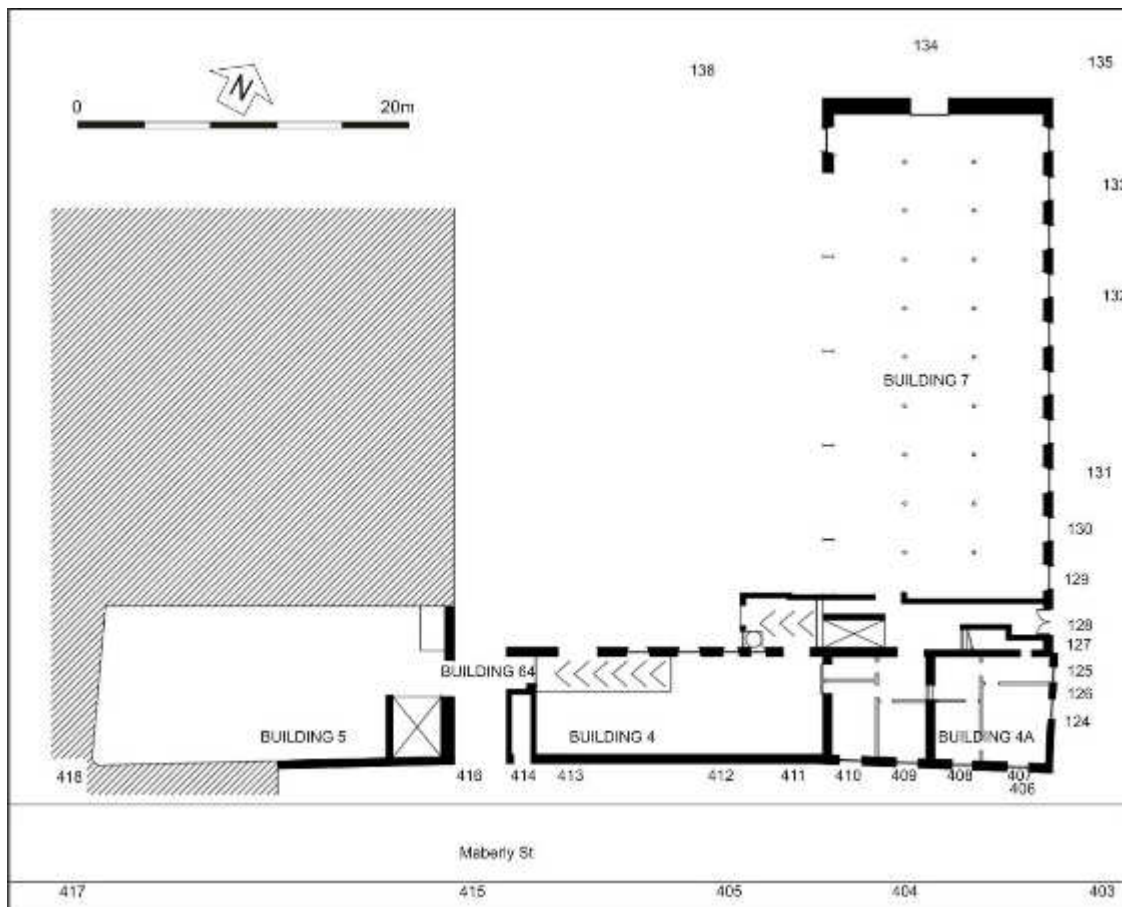


Hutcheon Street boundary wall F49, F90 and DHS/3 annotated with feature numbers used in the survey (copyright Halliday Fraser Munro)

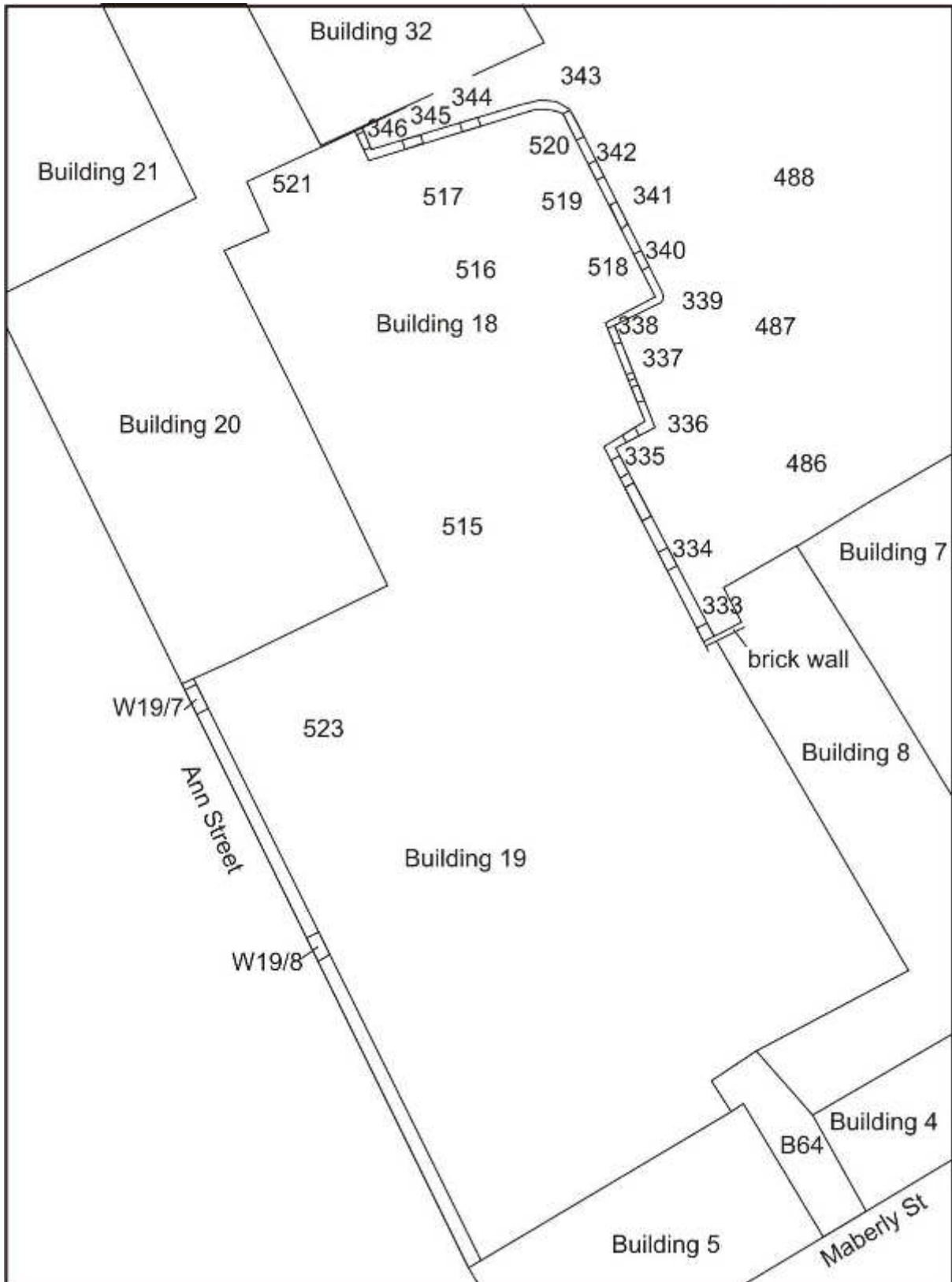
## APPENDIX 6 PHOTOGRAPHS



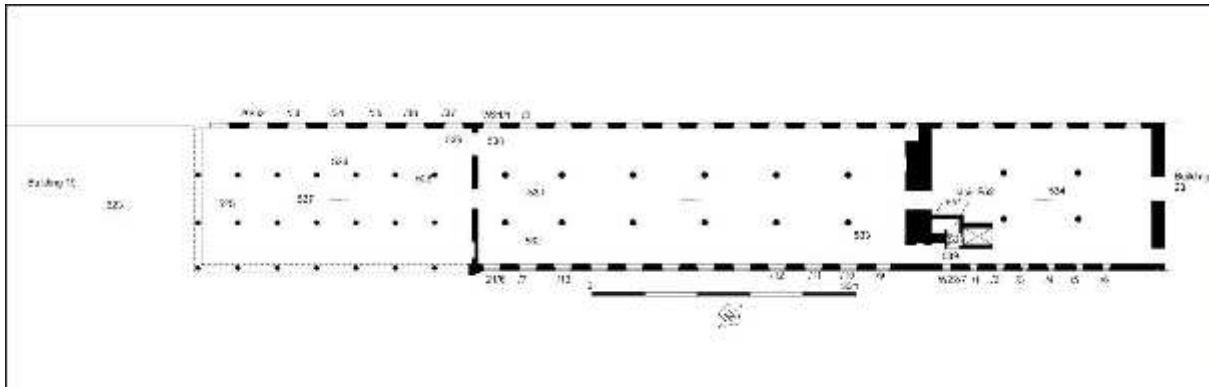
Building 1 camera points (copyright Halliday Fraser Munro)



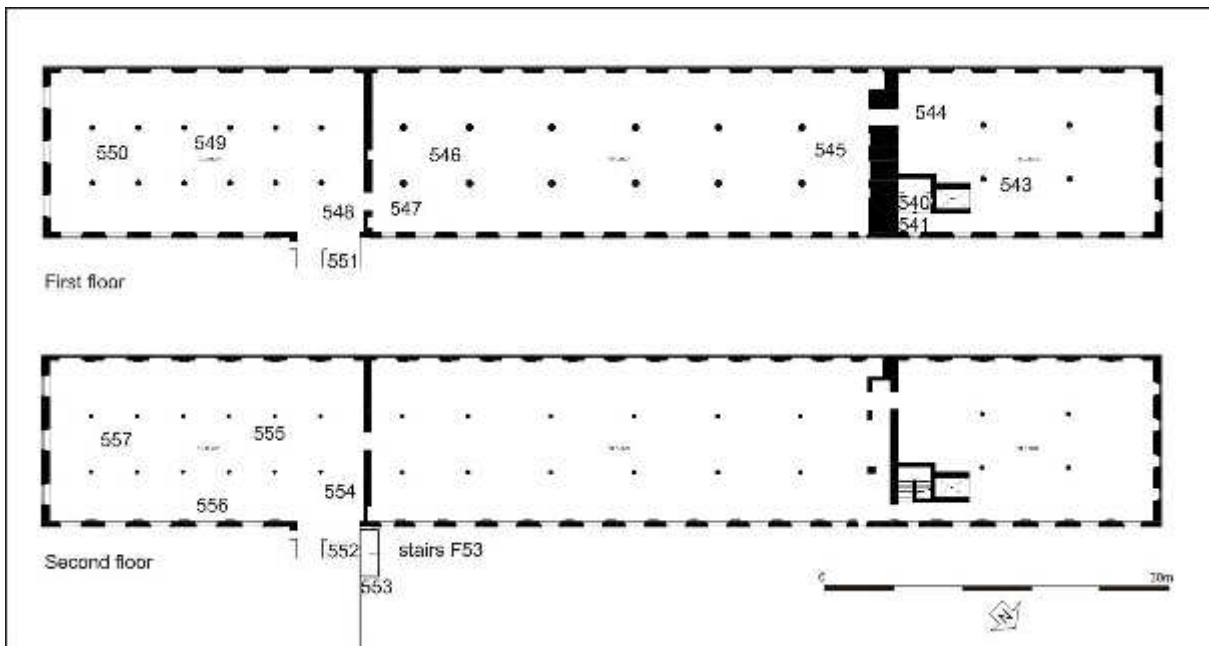
Buildings 4, 4A, 5, & 7 camera points (copyright Halliday Fraser Munro)



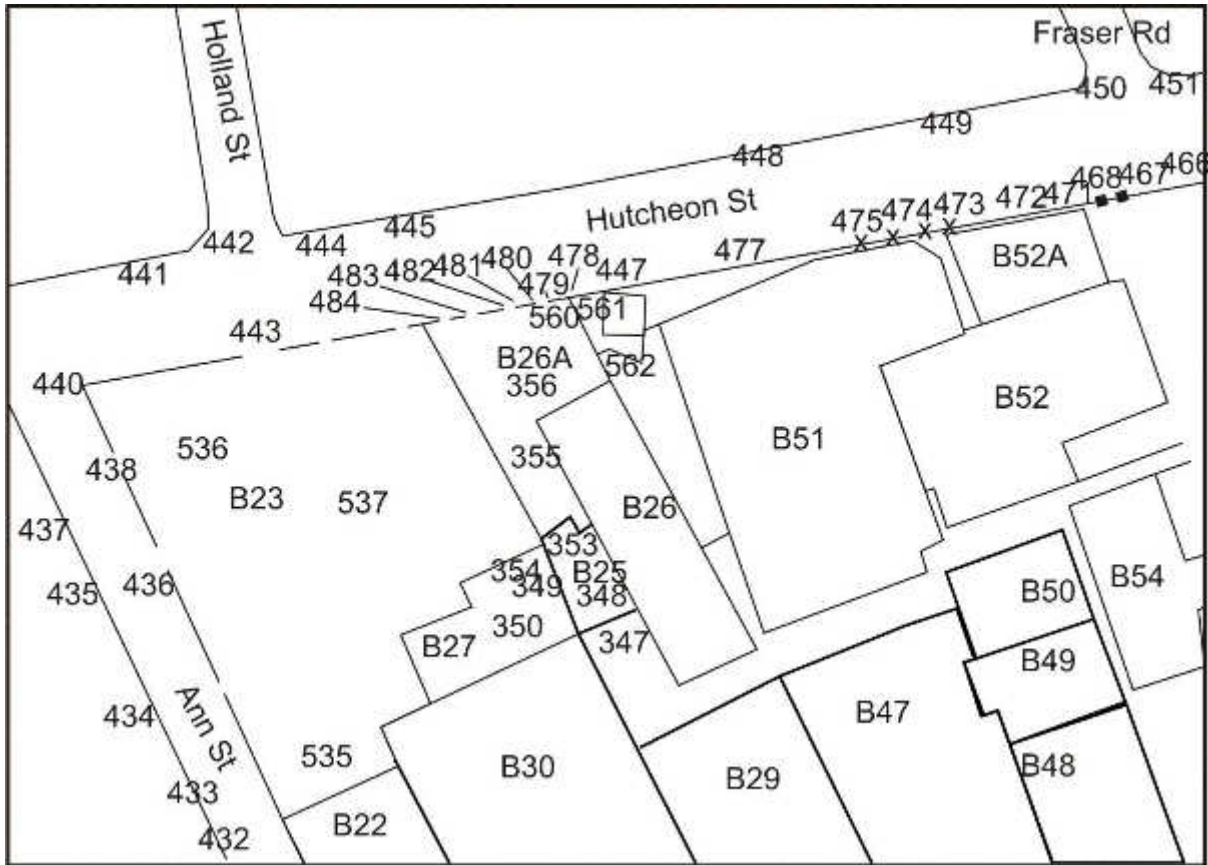
Buildings 18 and 19 camera points (based on copyright Halliday Fraser Munro)



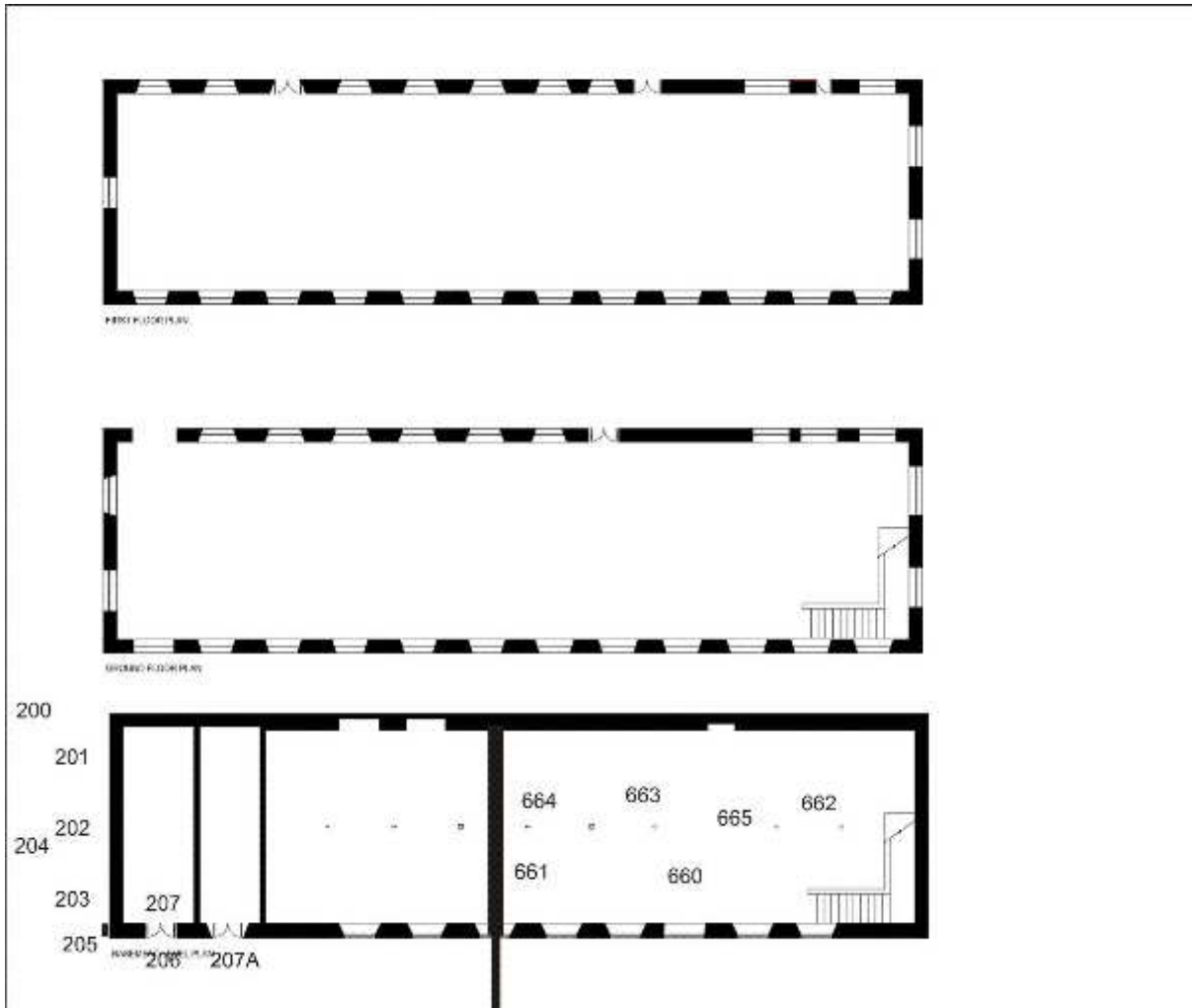
Buildings 20, 21, 22 ground/basement floor camera points (copyright Halliday Fraser Munro)



Buildings 20, 21, 22 1<sup>st</sup> and 2<sup>nd</sup> floor camera points (copyright Halliday Fraser Munro)

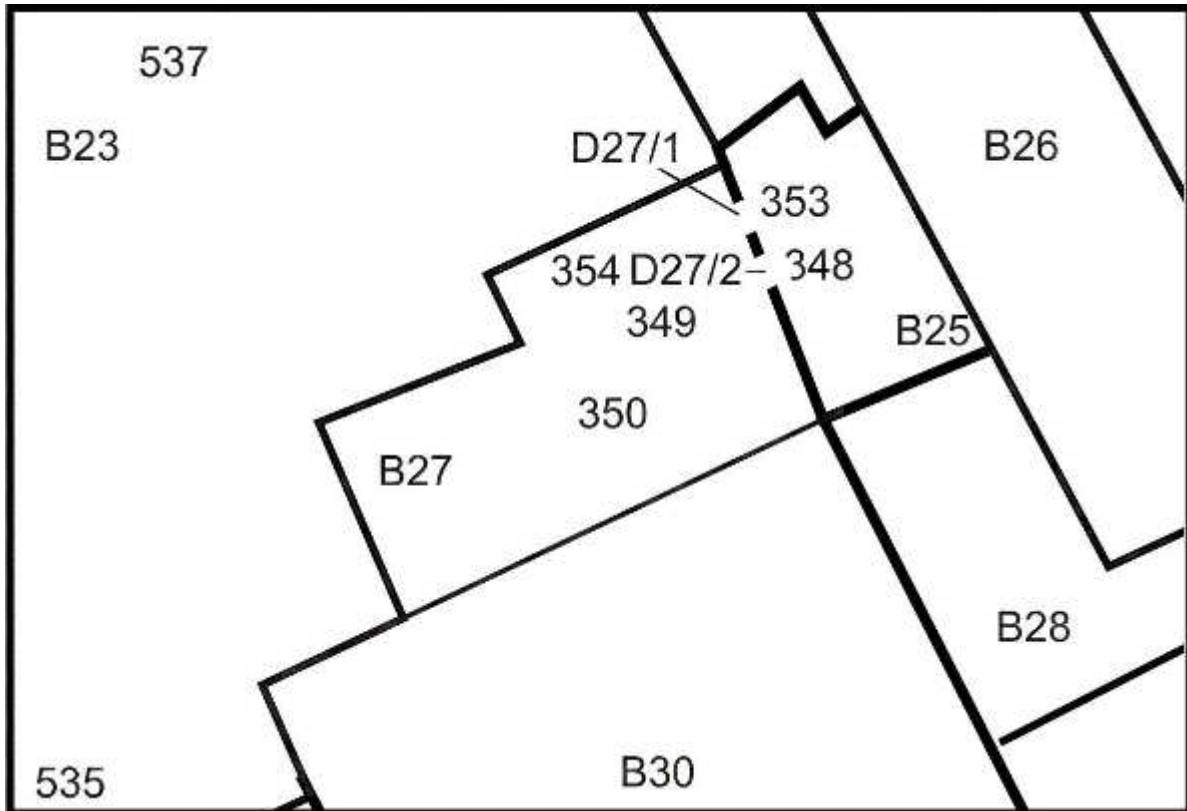


Building 23 camera points (from copyright Halliday Fraser Munro)

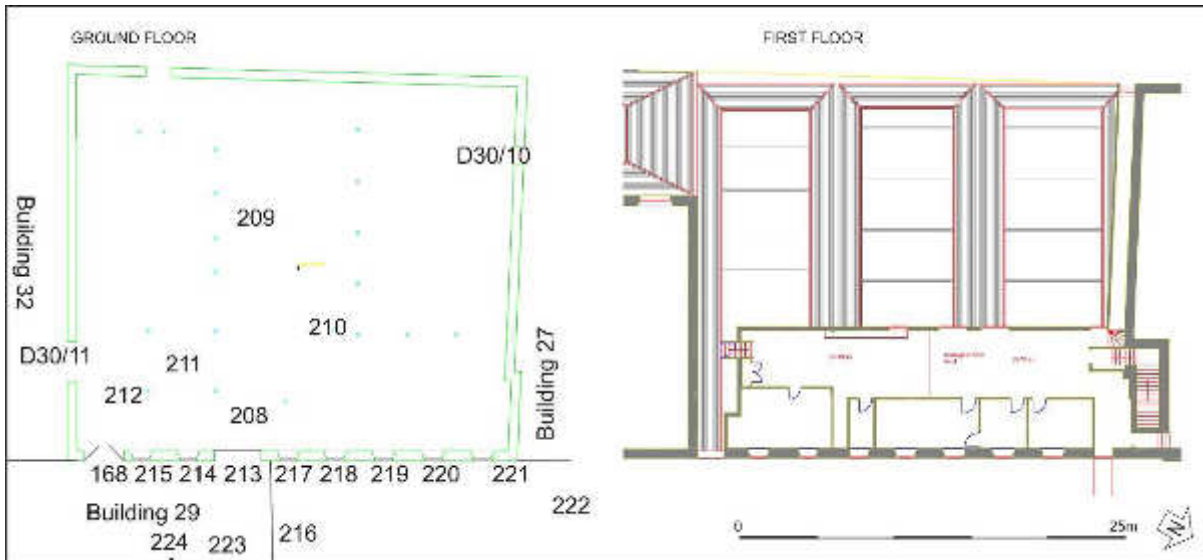


Building 26 camera points (copyright Halliday Fraser Munro)

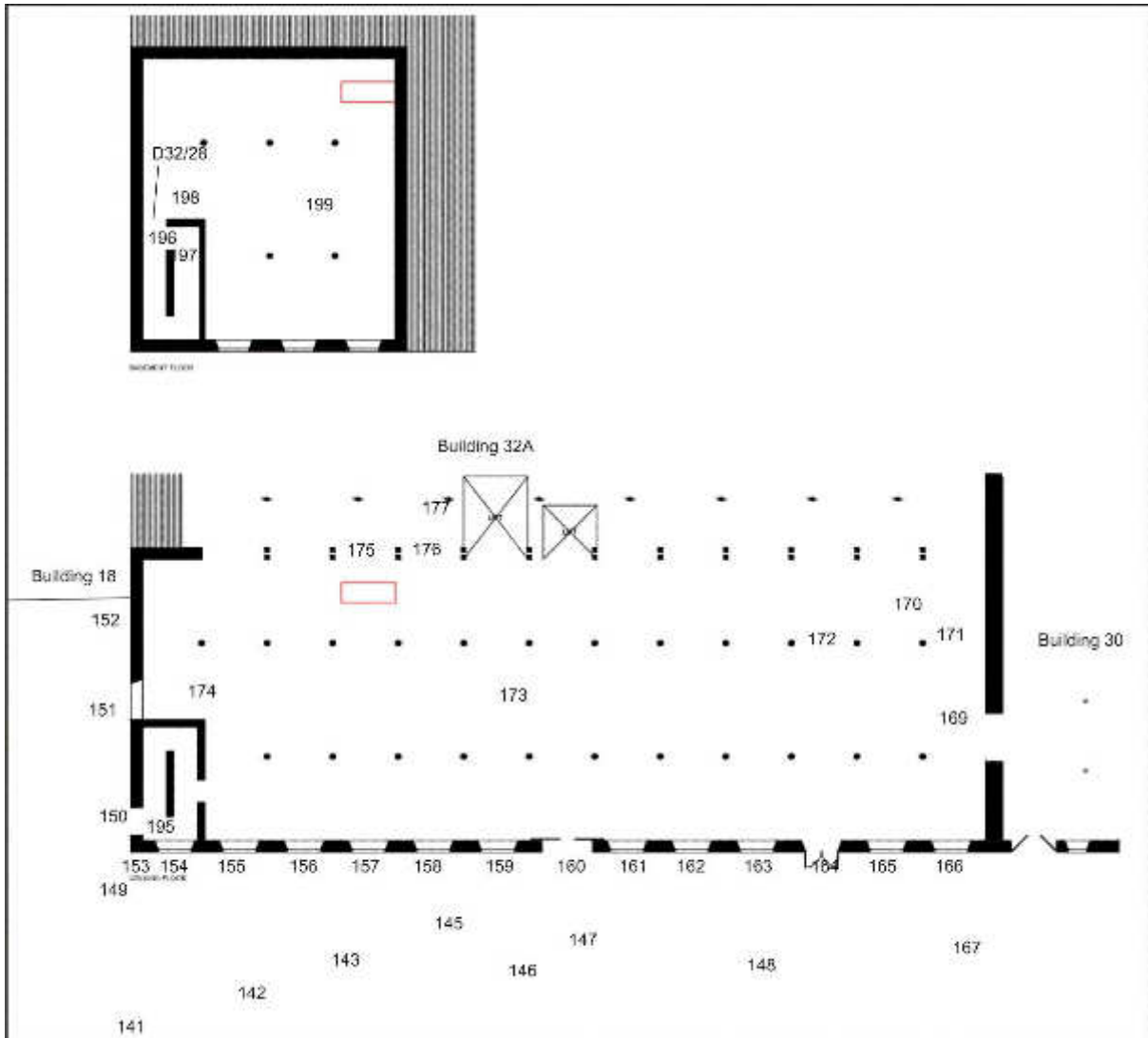




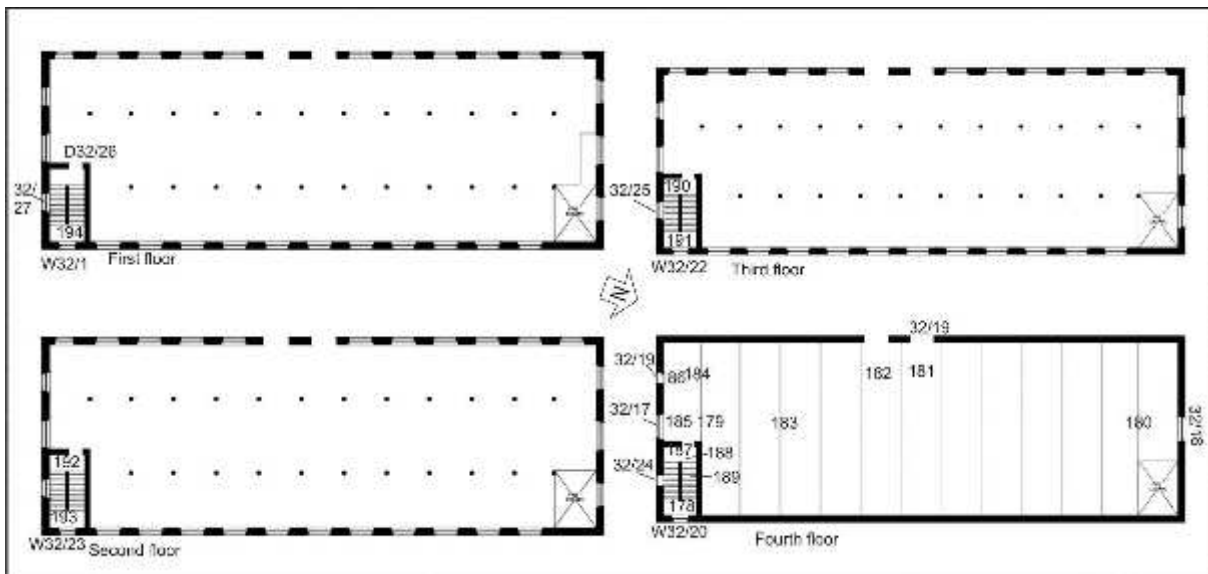
Building 27 camera points



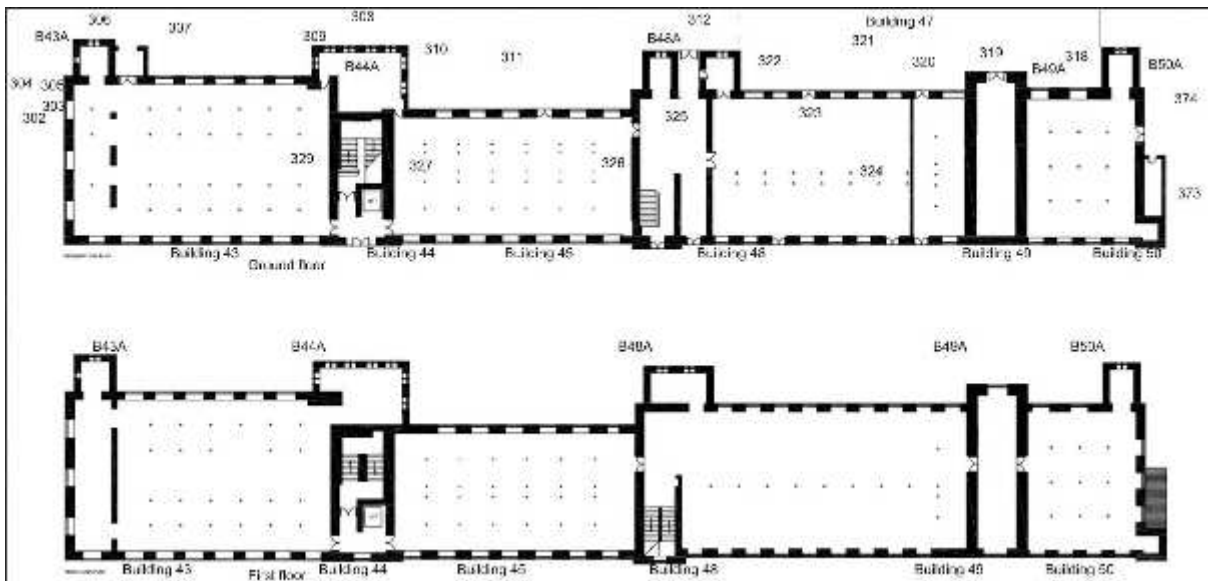
Building 30 Ground and first floor camera points (copyright Halliday Fraser Munro)



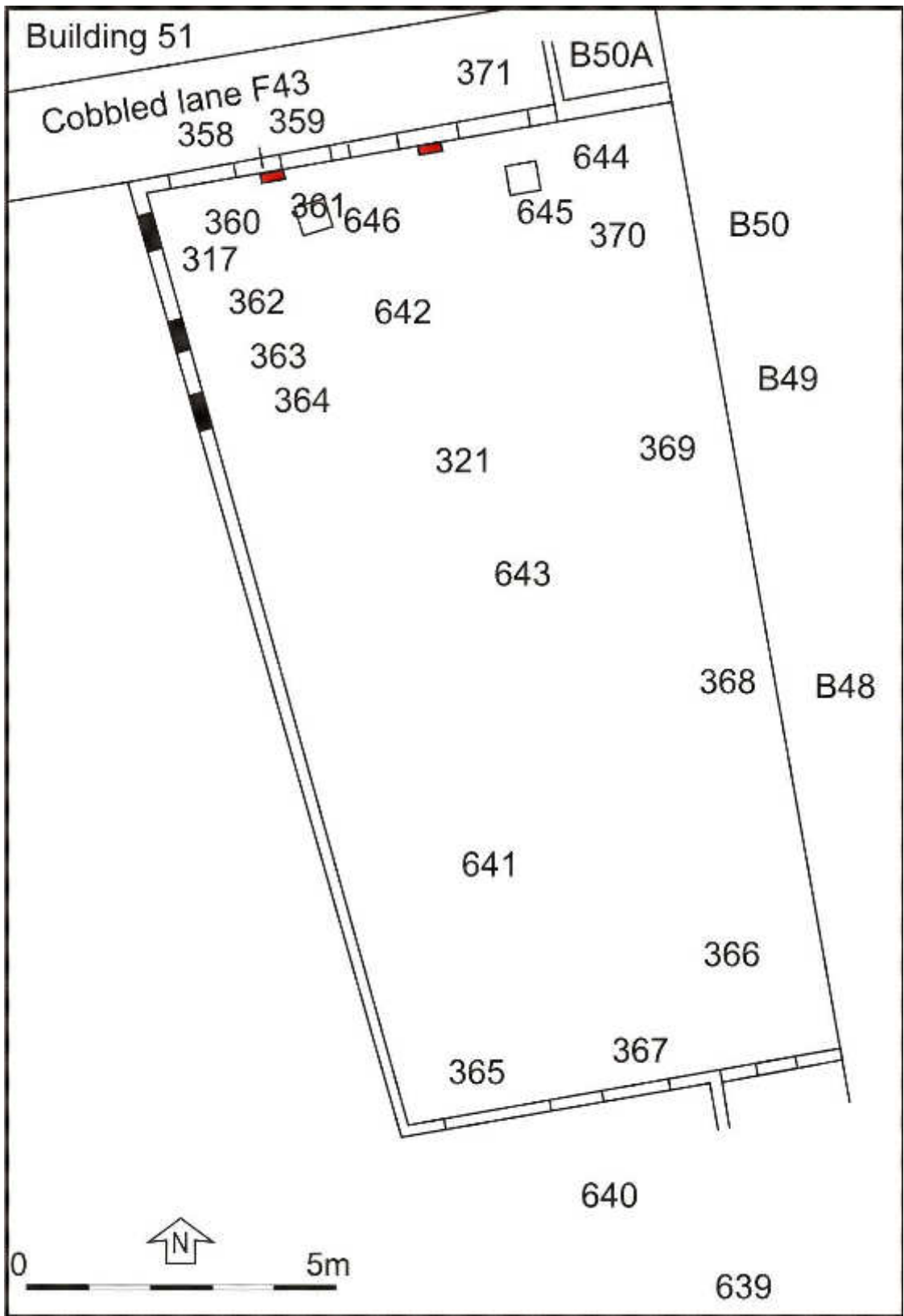
Building 32 ground floor camera points



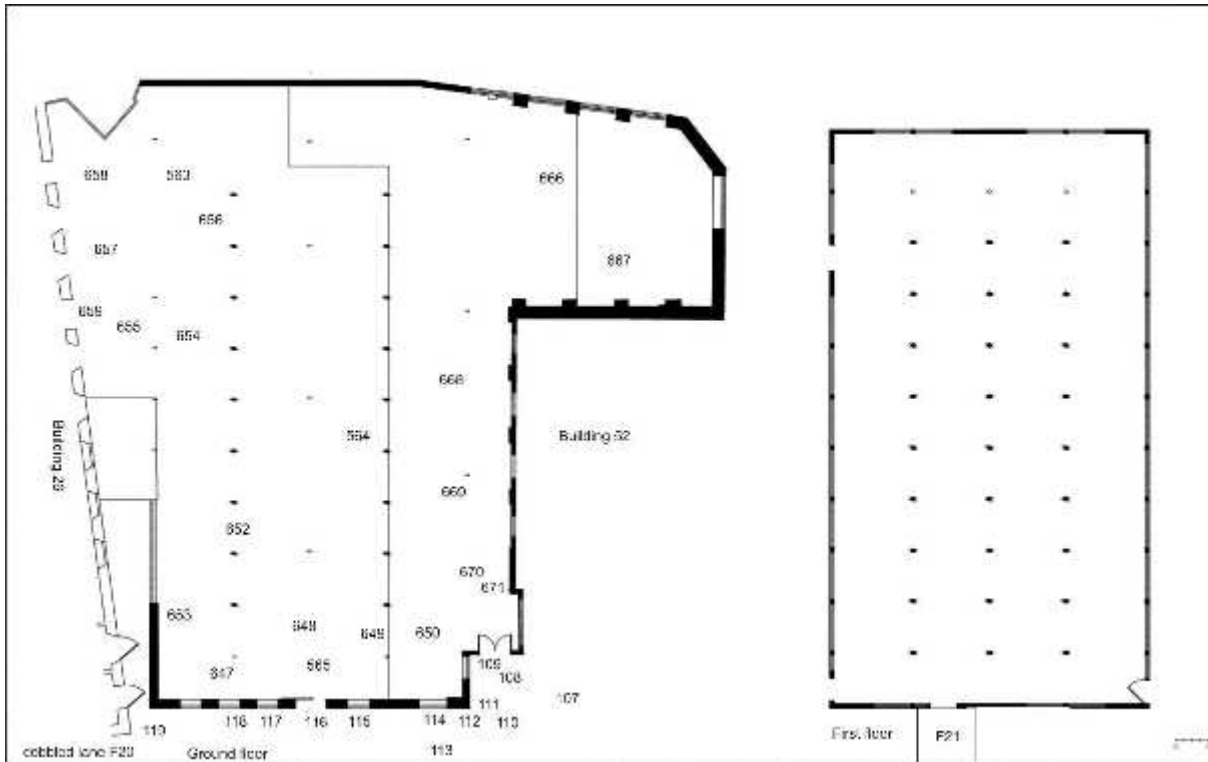
Building 32 1<sup>st</sup>-4<sup>th</sup> floor camera points



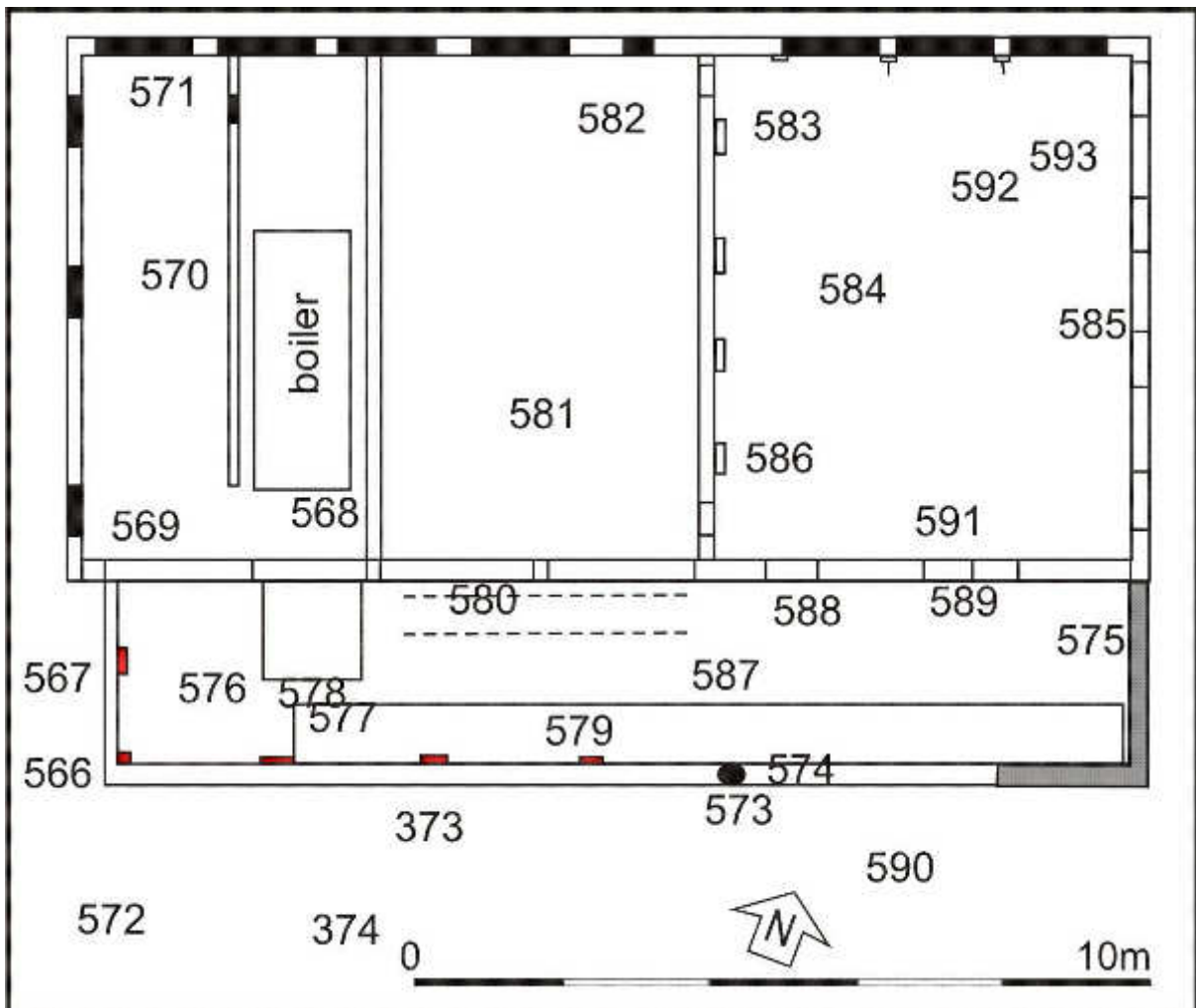
Buildings 43-50 ground and first floor with camera points



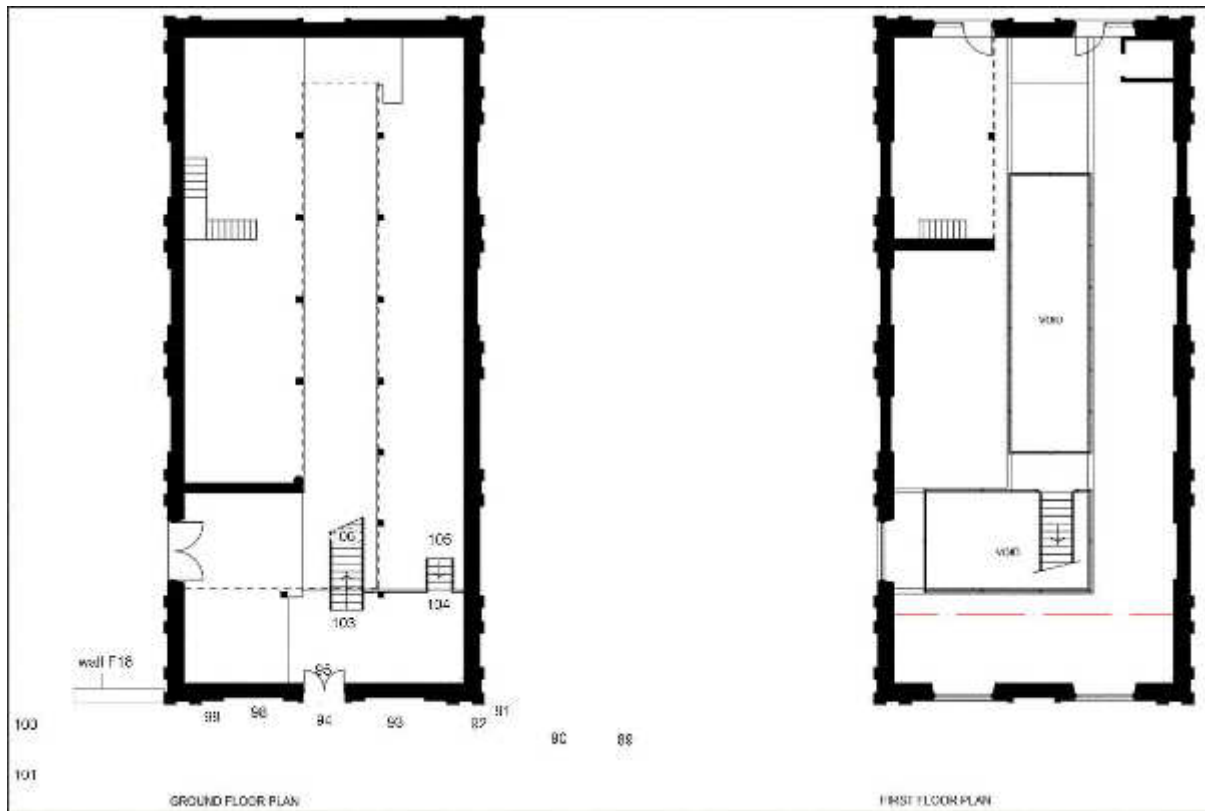
Building 47 camera points



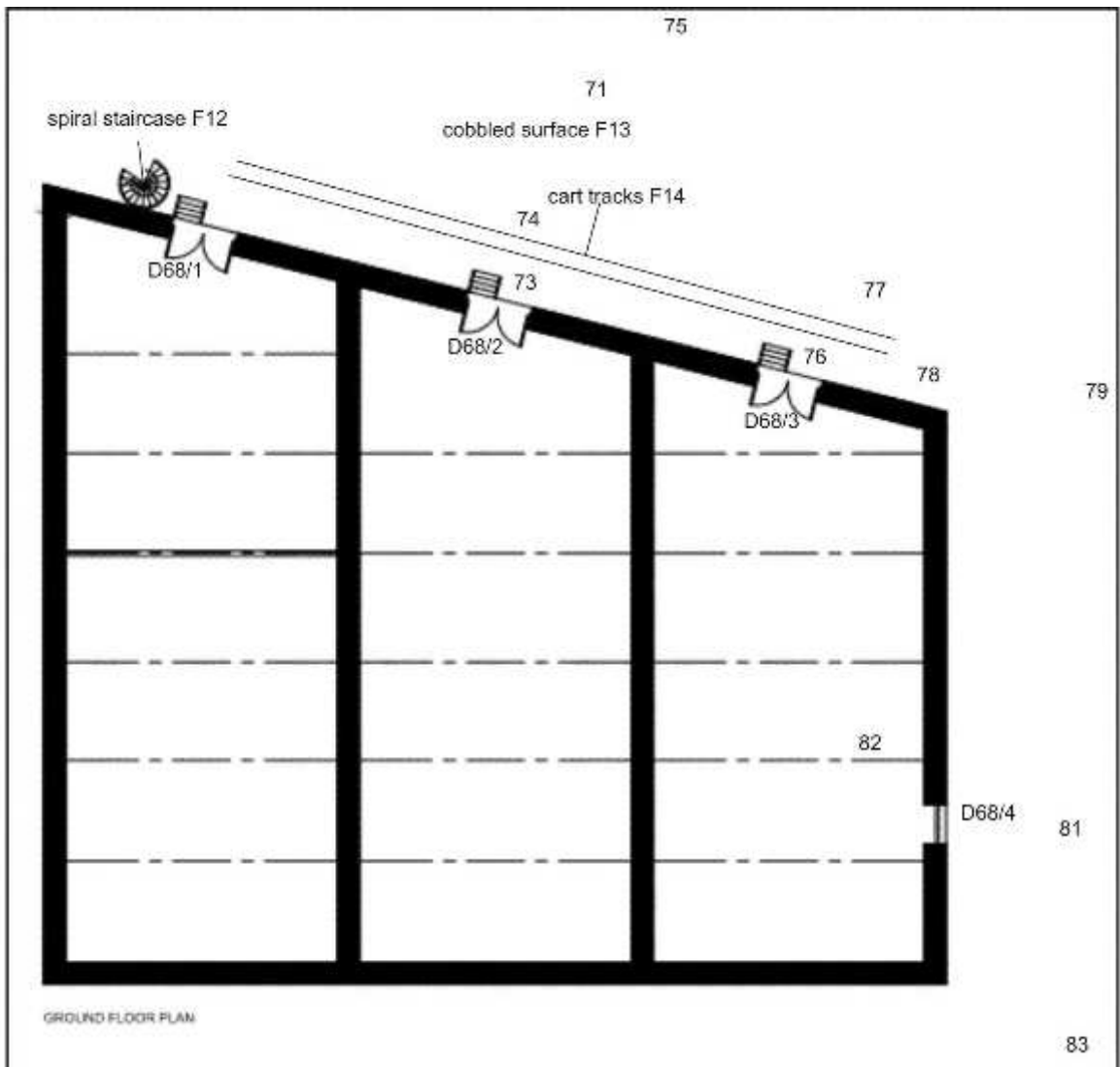
Building 51 camera points



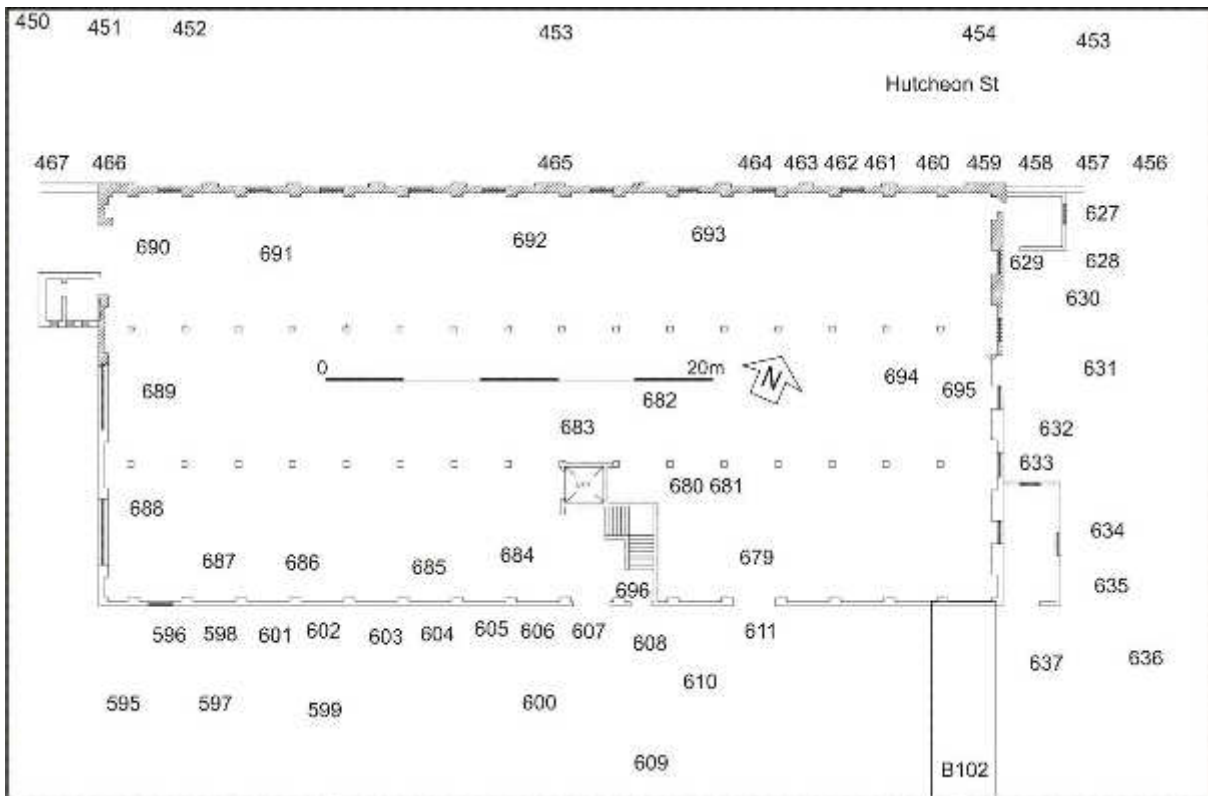
# Building 52 camera points



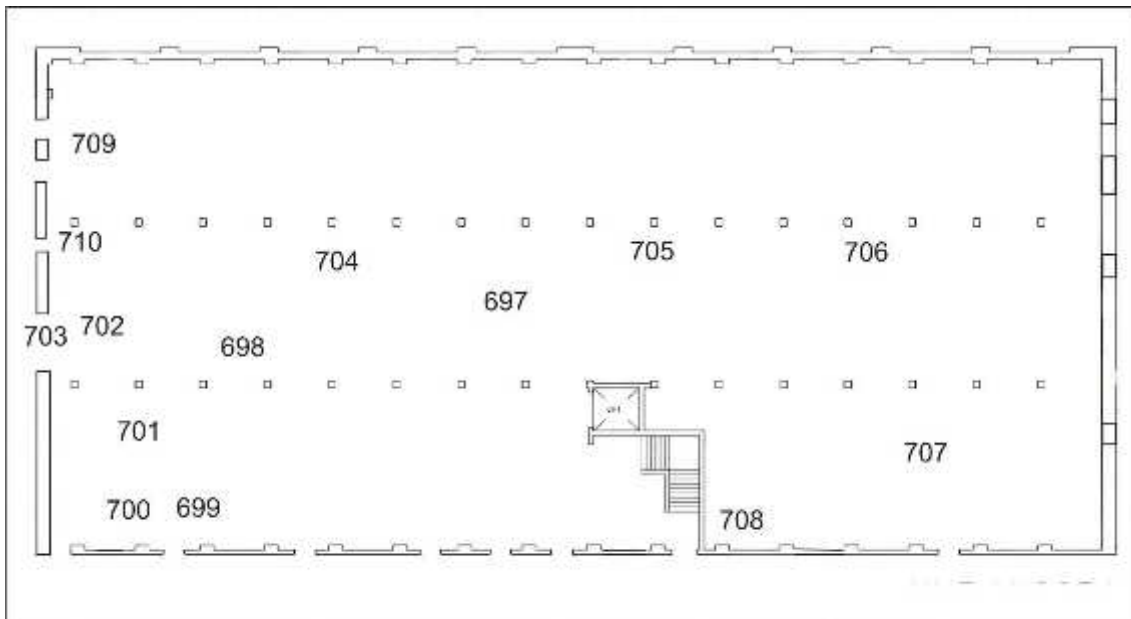
# Building 54



Building 68 camera points

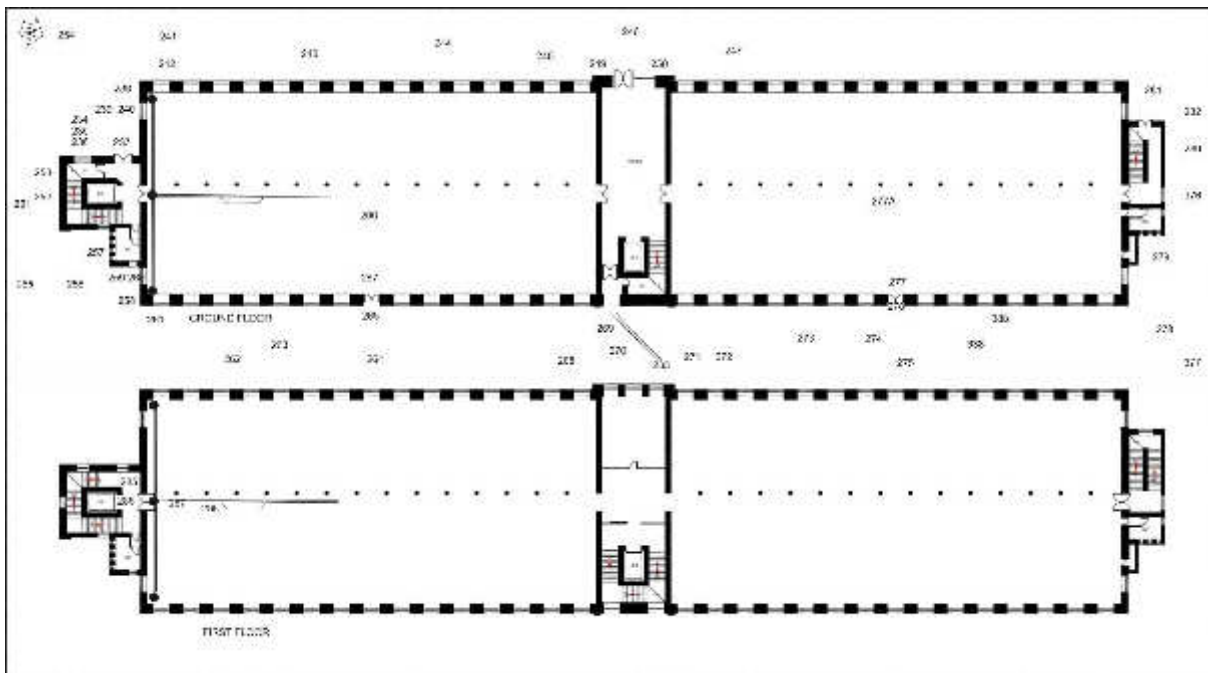


Building 83 ground floor camera points

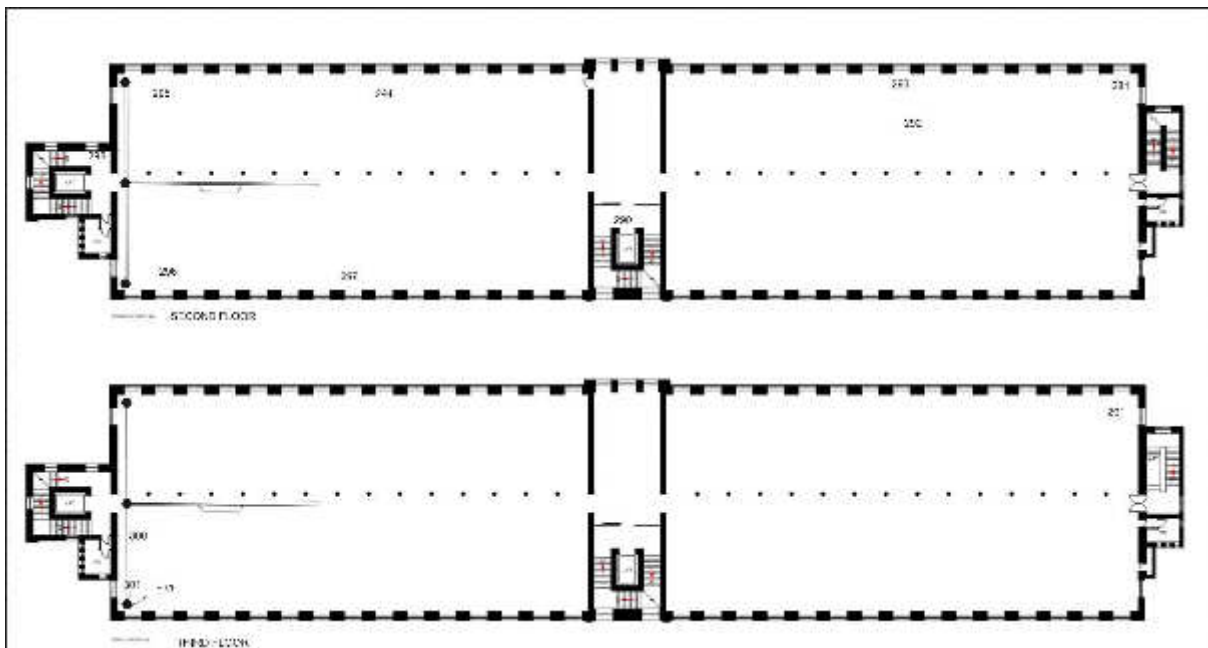


Building 83 1st floor camera points

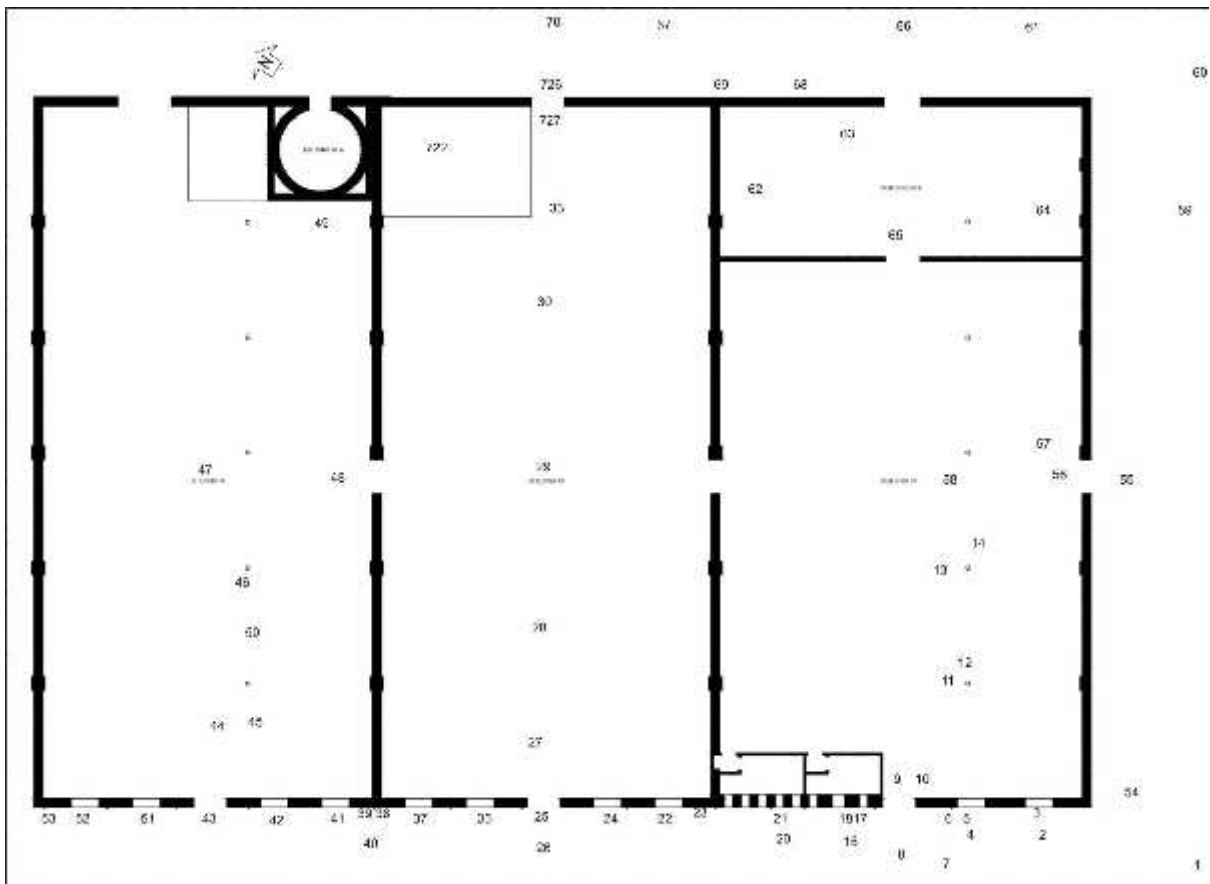




Buildings 84-86 ground and first floor camera points



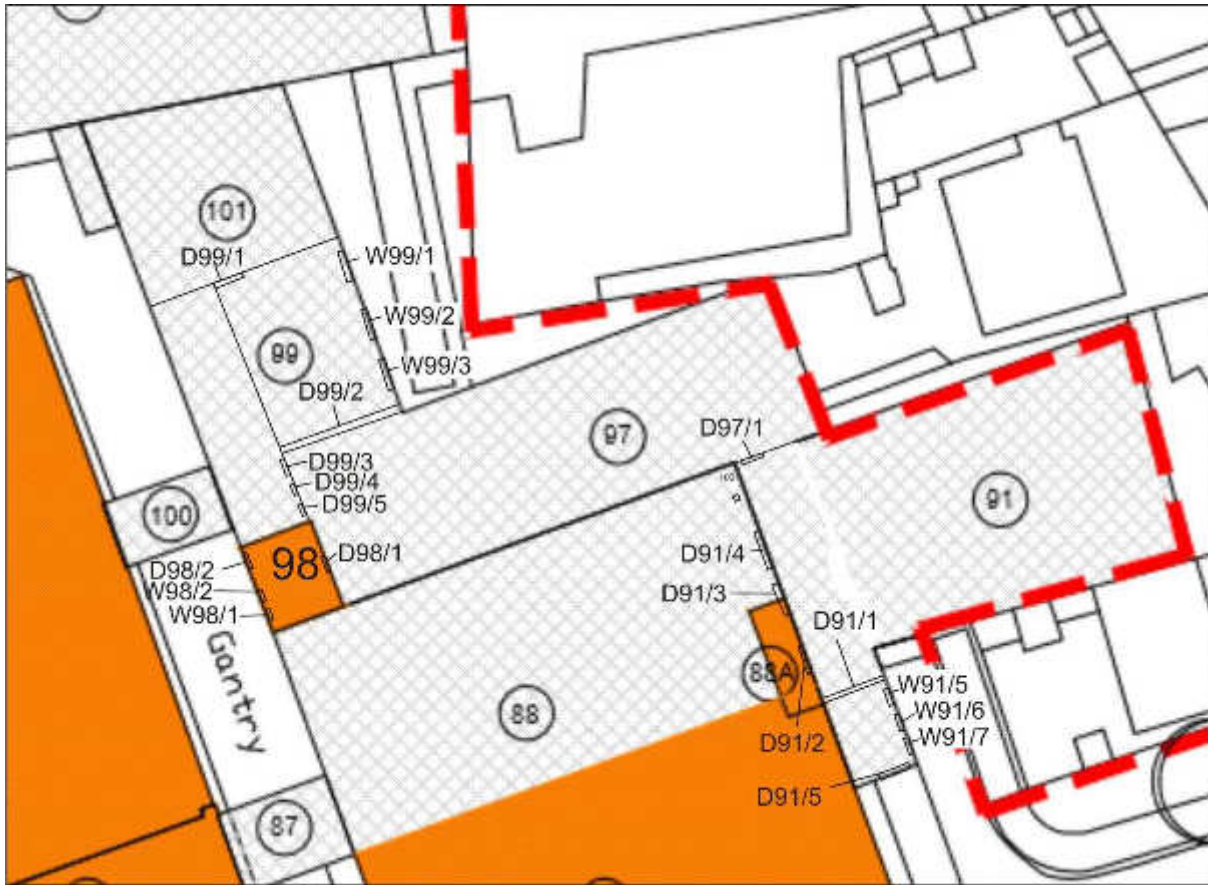
Buildings 84-86 2<sup>nd</sup> and 3rd floor camera points



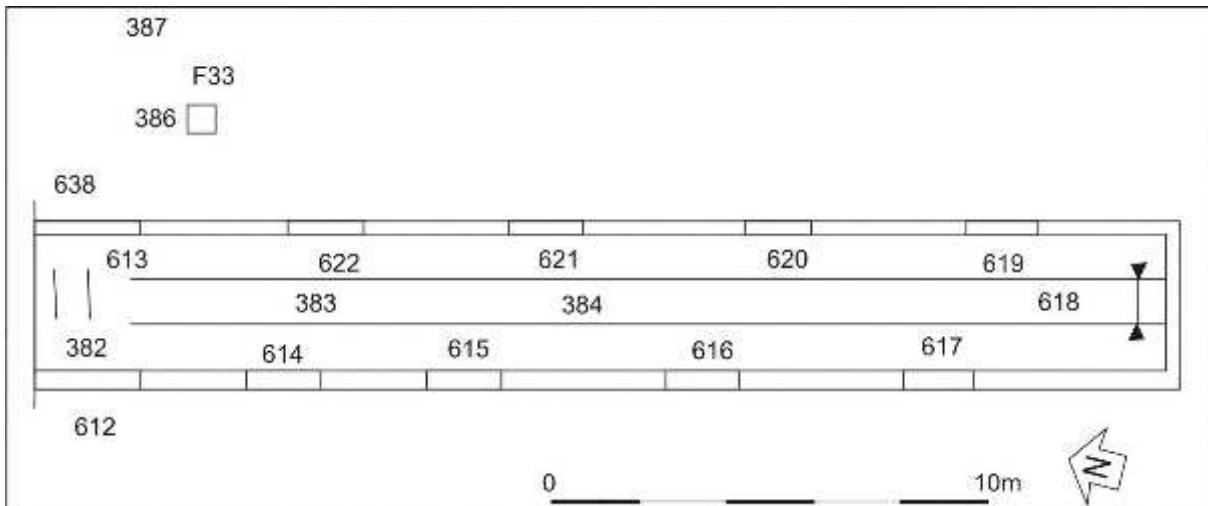
Buildings 88-90 camera points



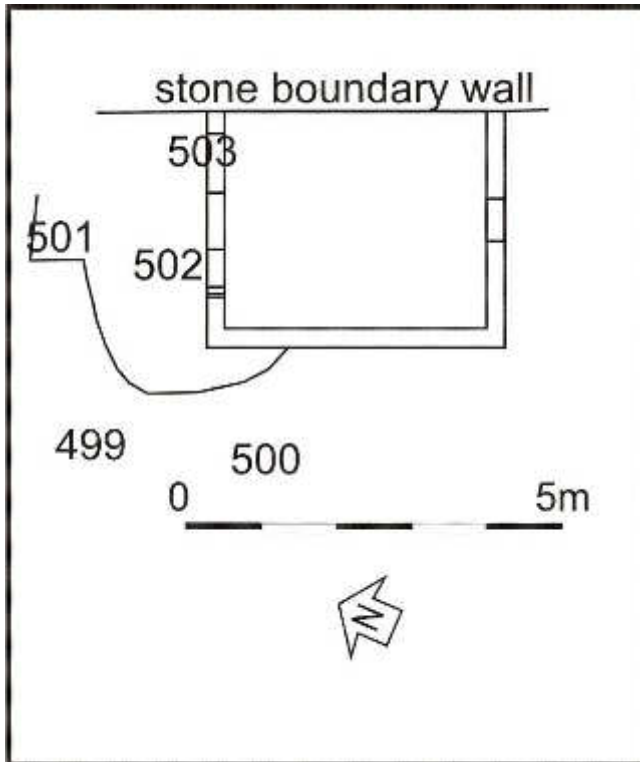
Buildings 92-95 camera points used in this survey



Buildings 91, 97, 99, 101 camera points



Building 102 camera points used in this survey



Building 103 camera points used in this survey

Photo no	Description	Facing	Camera point
<b>Broadfords 1</b>			
DSC_0001	SW corner Building 90 showing two colours of modern brickwork; facing NNE	NNE	1
DSC_0002	Window 90/1	ENE	2
DSC_0003	Window 90/1 light brown sandstone sill detail	ENE	3
DSC_0004	Window 90/1 arched brick lintel detail	ENE	3
DSC_0005	Building 90/89/88 (right) Building 84 (left) with gantry 87 (centre) and chimney hose pipe work Building 83 (background)	NNW	2
DSC_0006-7	Window 90/2	ENE	4
DSC_0008	Window 90/2 light brown sandstone sill detail	ENE	5
DSC_0009	Window 90/2 arched brick lintel	ENE	5
DSC_0010	F1 cast iron plate	ENE	6
DSC_0011	90/3 (left) 90/2 (right) with F1	ENE	7
DSC_0012	90/3 with modern wooden door covering	ENE	8
DSC_0013	Building 90 interior with office (left) showing cast iron pillars	ENE	9
DSC_0014	Building 90 interior SE wall showing roof and pillar detail	SE	9
DSC_0015	90/3 interior	WSW	9
DSC_0016-17	90/3 (right) 90/2 (left) showing electrical switchbox	WSW	10

DSC_0018	Building 90 interior SW wall windows 90/1 (left) 90/2, 90/3 (right)	S	11
DSC_0019	Building 90 cast iron pillar F2/1	SSW	12
DSC_0020-22	Building 90 SE wall interior with door 90/12	SSE/SE/ESE	12
DSC_0023	Building 90 ENE wall with door 90/14	ENE	12
DSC_0024	Building 90 NNW wall with door 90/13	N	12
DSC_0025	Building 90 NNW wall with door 90/13 (right)	NNW	12
DSC_0026	Building 90 WSW wall with windows 90/1, 90/2	WSW	13
DSC_0027	Building 90 WSW wall with door 90/3 and brick office (centre)	W	13
DSC_0028	Cast iron pillar F2/2 detail supporting roof struts	WSW	14
DSC_0029	Cast iron pillar F2/2 detail supporting roof struts	WSW	14
DSC_0030	Brick office NW corner Building 90	WSW	15
DSC_0031	Building 90 NNW wall interior brick buttress	NNW	15
DSC_0032-33	Building 90 WSW wall 90/5 (left) 90/4, 90/3 (right)	ENE	16
DSC_0034	90/4	ENE	17
DSC_0035	90/5	ENE	18
DSC_0036	Interior through 90/5	ENE	18
DSC_0037	90/11 (left) - 90/6 (right)	ENE	19
DSC_0038	90/9-90/6	ENE	20
DSC_0039	90/9 (left) 90/8 (right) arched brick lintel detail	ENE	20
DSC_0040	90/9 light brown sandstone lintel detail	ENE	21
DSC_0041	Building 89 built in same phase as Building 90, window 89/1 with F3 (right)	ENE	22
DSC_0042	F3 cast iron ducting stamped 'Fraser Arbroath'	ENE	23
DSC_0043	89/2	ENE	24
DSC_0044	89/3	ENE	25
DSC_0045	89/3 (left) with Building 89/90 WSW wall	SE	26
DSC_0046	89/3 (left) with Building 89/90 WSW wall	ESE	26
DSC_0047	89/3 (right), 89/4, 89/5	N	26
DSC_0048	89/3 interior	WSW	27
DSC_0049	Building 89 WSW wall	WSW	28
DSC_0050	Building 89 WSW wall	W	28
DSC_0051	Building 89 SSE wall	SSE	28
DSC_0052	Building 89 SSE wall with door 90/13	SSE	29
DSC_0053	Building 89 SSE wall	SE	29
DSC_0054	Building 89 ENE wall with door 89/7	ENE	30
DSC_0055	Building 89 NNW wall	N	30
DSC_0056	Building 89 NNW wall door 89/6	NNW	29
DSC_0057	Building 89 NNW wall	WNW	29
DSC_0058	Building 89 NNW wall	NNW	28
DSC_0059	Door 90/13	SSE	31
DSC_0060-61	Door 90/13 showing brick buttress forming WSW jamb	S	31
DSC_0062-3	Door 90/13 showing brick buttress forming WSW jamb	S	32

DSC_0064	90/13 concrete lintel detail	SSE	32
DSC_0065	Building 89 NNW wall door 89/6	NNW	32
DSC_0066	Building 89 ENE wall with door 89/7	ENE	33
DSC_0067	Cast iron tracks		
DSC_0068	Cast iron tracks		
DSC_0069	Cast iron tracks		
DSC_0070-73	Building 89 roof details		33
DSC_0074	Building 89 NNW wall with concrete chimney Building 83 (centre background)	NW	30
DSC_0075	Building 89 WSW wall	WSW	30
DSC_0076	Building 89 NNW wall	NNW	29
DSC_0077	Building 89 NNW wall	NNW	28
DSC_0078	Brick trap under floor Building 89	NNW	34
DSC_0079	Building 89 NW corner	NW	34
DSC_0080	89/4	ENE	35
DSC_0081-2	Cobbled surface F4	SE/NW	36
DSC_0083	89/5	ENE	37
DSC_0084	F5 cast iron ducting stamped 'Fraser Arbroath'	ENE	38
DSC_0085	Junction Building 89 (right) 88 (left) with cast iron down pipe fittings F6	ENE	40
DSC_0086	Detail F6	ENE	39
DSC_0087	88/1	ENE	41
DSC_0088	88/2	ENE	42
DSC_0089	88/3	ENE	43
DSC_0090	Iron wheeled wooden trolley WSW Building 89		
DSC_0097	88/3 interior	WSW	44
DSC_0099	88/2 interior	WSW	45
DSC_0100	Building 88 SSE wall	ESE	45
DSC_0101	cast iron pillar F7/8	NNE	48
DSC_0102	cast iron pillar F7/8 detail with roof beams	ENE	46
DSC_0103	Building 88 WSW wall	WSW	46
DSC_0104	Building 88 SSE wall	S	46
DSC_0105	Building 88 SSE wall with door 89/6	SSE	47
DSC_0106	Building 88 SSE wall with door 89/6	SE	47
DSC_0107	Door 89/6	ESE	48
DSC_0108	Room 88 ENE wall	ENE	47
DSC_0109	Wooden pigeon holes ESE corner Room 88	SE	49
DSC_0110-11	Building 88	WSW	49
DSC_0112	Building 88 NNW wall	W	49
DSC_0113	Building 88 NNW wall	NNW	48
DSC_0114	Room 88 ENE wall	ENE	48
DSC_0115	89/6	SSE	48
DSC_0116	Room 88 NNW wall	NNW	50
DSC_0117	88/4	ENE	51
DSC_0118	88/5	ENE	52

DSC_0119	F8	ENE	53
DSC_0120	ESE wall Building 90	NNW	54
DSC_0121	90/12	NNW	55
DSC_0122	90/12 arched lintel detail	NNW	55
DSC_0123-4	90/12 interior brick buttress	SSE	56
DSC_0125	90/12 interior brick buttress detail of curved brick	SE	57
DSC_0126. 129	90/12	SSE	58
DSC_0130-1	Building 90 SSE wall	E	58
DSC_0132-4	Building 90 roof details		
DSC_0135-9	Building 90 SSE wall exterior	W/WNW	59
DSC_0140-2	Building 90	WNW/NNW	60
DSC_0143-47	Building 90 ENE wall showing concrete coping, replacement for sandstone coping	WSW	61
DSC_0148	Door 90A/1		
DSC_0149	F9/1		
DSC_0150	Building 90A interior details	ESE	62
DSC_0151	Building 90A interior details	SSE	63
DSC_0152	Building 90A interior details door 90/14	SW	63
DSC_0153	Building 90A interior details	WSW	63
DSC_0154	Building 90A interior details	W	63
DSC_0155	Building 90A interior details	NW	64
DSC_0156	Building 90A interior details spindles		
DSC_0157	Building 90A interior details	NNE	65
DSC_0158	Building 90A interior details	ESE	65
DSC_0159	Building 90A interior details Door 90A/1	ENE	65
DSC_0161	Building 90A/89 ENE wall with brick apertures F9/1, /2 etc for water down pipes	W	66
DSC_0162	Building 90A/89 ENE wall door 90A/1	WSW	66
DSC_0163	Building 90A/89 ENE wall with brick apertures F9/1, /2 etc for water down pipes	NW	66
DSC_0164	Building 90A/89 ENE wall with chimney Building 88A (right) and chimney Building 83 (left)	NW	67
DSC_0165	F9/2	WSW	68
DSC_0166	Concrete coping (left) sandstone (right)	S	68
DSC_0167	F9/3	WSW	69
DSC_0168	F9/3	WSW	67
DSC_0169	Door 89/7 with more recent brick extension (right)	NW	70
DSC_0170-1	Door 89/7 with arched brick lintel	NW	70
DSC_0172-3	Brick building 97 SE arm		
DSC_0174	Wall F10 forming boundary between site and rear of George St	NE	70
DSC_0175-6	Cassie surface F11	NW	70
DSC_0177	Building 68 raw flax warehouse SW façade with triple gabled façade	E	71
DSC_0178-79	Concrete drain outside door 68/1	S	72



DSC_0180	Door 68/1 no access at present	ESE	72
DSC_0181-3	Doors with wooden platforms above 68/1 with metal spiral staircase F12	SE	72
DSC_0184	68/2 blocked door	ESE	73
DSC_0185	Wooden galleries above 68/2 blocked door	ESE	73
DSC_0186-7	Door 68/2 arched granite lintel and wooden sill	ESE	73
DSC_0188	Wooden galleries above 68/2 blocked door	ESE	73
DSC_0189	Fragment of wheeled metal trolley		
DSC_0190	Wheeled metal trolley		
DSC_0191-4	Cobbled surface F13 SW side Building 68 and F14 cast iron tracks for trollies to deliver raw flax and remove processed flax	N/NE/E	74
DSC_0195-6	F14	ESE	74
DSC_0197-8	Building 68 raw flax warehouse SW façade with triple gabled façade	ESE	75
DSC_0199	Building 68 SW façade centre doors above 68/2	ESE	75
DSC_0200	Building 68 SW façade 68/3 and doors above	E	75
DSC_0201	Building 68 SW façade first and second floor windows and wooden galleries	ESE	75
DSC_0202	Mark recording 68/3	ESE	77
DSC_0203	spools		
DSC_0204	F15	ESE	76
DSC_0205-6	68/3 (right) with iron fittings for fire alarm and lighting?	E	78
DSC_0207	Fire alarm bell	E	78
DSC_0208-10	NW corner Building 68	SE	79
DSC_0211-4	Building 68 NW wall with door 68/4 (left)	SSE	80
DSC_0215-6	Door 68/4	SSE	81
DSC_0217	Building 68 NW wall showing overgrown vegetation	S	81
DSC_0218	Building 68 NW wall	SSE	81
DSC_0219-21	Door 68/4	SW	82
DSC_0222-3	Interior through 68/4	NE	82
DSC_0224-6	Building 68 rear walls	S	83
DSC_0227	Building 68 (left) Building 90 (right) with Building 84 (centre)	SW	83
DSC_0228-9	Building 103	SSE	72
DSC_0230-32	S68/1 and spiral staircase F12	SE	72
DSC_0233	Building 43 (left) 84 (centre) 69 (right)	ENE	84
DSC_0234-5	Brick trap		
DSC_0236-39	Building 54 SSE façade overgrown with vegetation	NNW	85
DSC_0240-4	Cobbled surface F16	SSE	85
DSC_0243	Cobbled surface F16	SW	87
DSC_0244-5	Cobbled surface F16	NNW	86
DSC_0246	Cobbled surface F16	ENE	88
DSC_0247	Building 54 NNW façade (right)	ENE	89
DSC_0248-9	Building 54 NNW façade (right)	ENE	90

DSC_0250	Building 54 NNW façade NNW corner showing brick buttresses	SE	91
DSC_0251-2	Building 54 NNW corner with brick buttressing	SSE	92
DSC_0253-4	54/6 blocked window with pedimented lintel and laminated light brown sandstone sill	SSE	93
DSC_0255	54/1 arched brick lintel with granite sill	SSE	93
DSC_0256-7	54/6 detail of sandstone lintel and granite pedestal foundation.	SSE	92
DSC_0258-60	Door 54/5 with granite facings	SE	94
DSC_0261	Door 54/5 with blocked window 54/2 above	SE	94
DSC_0262-3	54/6 brick pedimented lintel detail	SSE	93
DSC_0264	Brick tile detail inside door 54/5	SSE	95
DSC_0267, 70	Building 54 interior NNW end	SSE	95
DSC_0268	Building 54 interior NNW end	SE	95
DSC_0269	Building 54 interior NNW end	SW	95
DSC_0271	Gas fired street lamp F17	WNW	92
DSC_0272-3	Gas fired street lamp F17	W	96
DSC_0274-77	Gas fired street lamp F17	N	97
DSC_0278-9	Blocked window 54/4	SSE	98
DSC_0280	54/3	SSE	98
DSC_0281-87	54/4 sandstone lintel detail	SSE	98
DSC_0282-4	Brick buttresses NE corner	SSE	99
DSC_0285	Concrete and cast iron drain cover		
DSC_0286	Wall F18	WSW	100
DSC_0287-9	Wall F18 with Building 54 (middle) N end Building 50 (right)	WSW	101
DSC_0290	Wall F18	W	102
DSC_0291-2	Building 54 E façade (very overgrown)	SW	102
DSC_0293	Wall F18 corner brick detail	WSW	100
DSC_0294-6	Building 54 (left) Building 50 (right)	SSE	94
DSC_0297-9	Building 54 W façade	SE	94
DSC_0300, 302	Building 54 interior	SSE	103
DSC_0301	Building 54 interior 54/5 door (left)	NE	103
DSC_0303-4	Building 54 interior cast iron stairs to first floor	SSE	103
DSC_0305-6	Building 54 interior 54/5 door	N	103
DSC_0307-8	Building 54 interior	W	103
DSC_0309	Building 54 interior	SW	104
DSC_0310-4	Building 54 interior including books and ledgers	SSE	104
DSC_0315-16	Building 54 interior fittings on ceiling above SW wall	SSW	104
DSC_0317	Building 54 interior Door 54/20 (below) and 54/7 above	E	105
DSC_0318	Building 54 interior	SE	105
DSC_0319	Building 54 interior	SSE	105
DSC_0320	Building 54 interior tile floor detail	SSE	106
DSC_0321-2	Building 54 interior detail of cast iron stair	N	106

DSC_0323-4	Gas fired street lamp F17	N	90
DSC_0325	Gas fired street lamp F17	NW	92
DSC_0326-8	Building 51 brick 2 storey 51/2 (left) 51/3 (right)	W	107
DSC_0329-30	51/3	NW	107
DSC_0331-3	Door 51/1 concrete lintel, brick jambs		
DSC_0334-6	Window 51/2 steel lintel, brick sill, cemented, curved brick jambs with wall above and first floor wood	W	109
DSC_0337-8	51/2 (right)	W	108
DSC_0339	Window 51/2	WNW	108
DSC_0340-1	Corner with curved brick corner	WNW	110
DSC_0342-5	Sandstone blocks F19 forming triangular 'lintel' to allow upper floor to be created whilst maintaining lane between Buildings 51 and 50	W	107
DSC_0346	F19	NW	111
DSC_0347-8	Brick stepped feature part of F19	NNE	112
DSC_0349-50	Brick stepped feature part of F19	NNE	113
DSC_0351-2	51/4 was a door with cast iron lintel and curved brick jambs, converted to smaller window with concrete lintel and wood sill	N	113
DSC_0353-4	Wooden first floor with windows 51/10	NW	113
DSC_0355-8	51/4	N	114
DSC_0359-62	51/5 concrete brick and wood lintel and sill	N	115
DSC_0363	51/10 wood panelling	N	115
DSC_0364	Door 51/6 brick arched lintel and brick and granite block jambs	N	116
DSC_0366	above 51/6	N	116
DSC_0367-9	Cobbled lane F20 between Buildings 51 and 50 sloping up towards Building 30	W	116
DSC_0370	51/7	N	117
DSC_0371	51/9	NNW	118
DSC_0372	above 51/9	N	118
DSC_0373-4	51/9, 51/8	N	118
DSC_0375	wood link between Building 51 and 47 F21	E	118
DSC_0376	Building 51 S façade	NE	119
DSC_0377	Wooden walkway, F22, between Building 51 and Building 26	N	119
DSC_0378-9	Gap between Buildings 51 and 26 with F22 above	N	119
DSC_0380-1	W wall Building 51	NNE	119
DSC_0384	Weighbridge Structure F23 'Pooley, Birmingham, England' makers plate	SE	120
DSC_0385	Weighbridge Structure F23 with building 1 (left) Building 4A (right)	SE	121
DSC_0386-8	Building 4A NW façade with windows 4A/2-4a/8 and door 4A/1 (right)	SW	122
DSC_0389-90	Weighbridge Structure F23	NW	122
DSC_0391	4A/1, 4A/2	SW	123

DSC_0392	4A first and second floors	SW	123
DSC_0393	4A/2 granite arched lintel and granite sill	SW	124
DSC_0394	4A/1 door	SW	125
DSC_0395	Railings for main gate, Maberly St, F24	SE	125
DSC_0396	Railings for main gate, Maberly St, F24	SW	125
DSC_0397	Cast iron ventilation cover, F24, Building 4A	SW	126
DSC_0398	Window 7/1 granite facings	SW	127
DSC_0399-400	7/2 granite facings and windows above	SW	128
DSC_0401-2	7/3 and windows above	SW	129
DSC_0403	Fire hose reel housing between 7/2 and 7/3	SW	130
DSC_0404-5	7/2-7/6 and windows above	SW	131
DSC_0406-7	7/5-7/8 and windows above	SW	132
DSC_0408-9	7/8-7/12 and windows above	SW	133
DSC_0410	Building 7 NW gable with door 7/13	S	134
DSC_0411	Building 7	SW	135
DSC_0412-14	Cast iron fitting details NE façade Building 7		
DSC_0415-6	Building 43 SW façade	NNE	136
DSC_0417	Building 8 (left) modern extension to SW side of Building 7 and Building 19 (right)	SE	136
DSC_0418-9	NW corner Building 7	NE	137
DSC_0420-29	Interior Building 7 (not accessible)	NW/W	138
DSC_0430-2	Building 18 (left) Building 32 (centre) loading bay Building 29 (right of centre)	NW	84
DSC_0433	Building 32 (left) loading bay Building 29 (centre)	NNW	139
DSC_0434	Building 18 (left) Building 32 (right)	NW	139
DSC_0435	Building 32 NE façade	NW	140
DSC_0436	Building 32 the sewing mill SSE end WNW façade	W	141
DSC_0437	Building 32 WNW façade windows 32/1, 32/2, 32/3 and above	WSW	142
DSC_0438	Building 32 WNW façade windows 32/3. 32/4 and loading bay Building 29 (right)	WSW	143
DSC_0439	Building 32 WNW façade windows 32/3. 32/4 and loading bay Building 29 (top)	WSW	144
DSC_0440	Building 32 WNW façade windows 32/4 /5, /6 and loading bay Building 29 (top)	WSW	145
DSC_0441-2	Building 32 WNW façade windows 32/5, /6, /7, /8 and loading bay Building 29 (top)	WSW	146
DSC_0443	32/7	WSW	147
DSC_0444	Building 32 32/8, /9, /10, /11	WSW	148
DSC_0445	32/11, 12, /13 and Building 30 (right) from within loading bay Building 29	NW	148
DSC_0446-7	Loading bay Building 29	SSE	148
DSC_0448	Building 32 (left) Building 29 (right) with door 32/14 (left)	NNW	149
DSC_0450	Building 29 (left) Building 48/49 (right)	N	149
DSC_0451	Building 29 (left) Building 48/49 (right)	NNE	149

DSC_0452-3	Building 29 (left) Building 48/49 (right)	NE	149
DSC_0454	Building 48/49	E	149
DSC_0455	Building 48/49	ESE	149
DSC_0456-7	32/14	NNW	150
DSC_0458-9	windows above 32/14 SSE façade Building 32	NNW	150
DSC_0460-61	32/15 and above	NNW	151
DSC_0462-3	36/16 window and above with Building 18 (left)	NNW	152
DSC_0464	No pedestrians sign next to 32/1	WSW	153
DSC_0465	32/1	WSW	154
DSC_0466	32/1 and windows above	WSW	154
DSC_0467	32/2	WSW	155
DSC_0468	32/2 and windows above	WSW	155
DSC_0469	32/3	WSW	156
DSC_0470-1	32/3 and above	WSW	156
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DSC3259	Building 18/19 junction with concrete and stone		510
DSC3260-67	Building 18 interior		511
DSC3268	W19/1 int	ENE	512
DSC3269	W19/2 int	ENE	513
DSC3270	D19/1	NNE	514
DSC3271	Building 18 interior with square section concrete pillars and roof beams	NNW	514
DSC3272	Building 18 interior SW wall	SW	515
DSC3273	Building 18 interior	NNW	515
DSC3274	Building 18 interior E wall W18/8 (right), D18/5 (centre) W18/9 (left)	NNE	516
DSC3275	Building 18 interior D18/4 (left) W18/9, W18/8	NNE	517

DSC3276	Building 18 interior NE corner W18/10 (left) D18/4 (centre) W18/9 (right)	N	517
DSC3277	Building 18 interior N wall W18/11 (left) W18/10 (right)	NNW	517
DSC3278	Building 18 interior N wall W end	NW	517
DSC3279	W18/8 int showing brick relieving arch and cart tracks	NNE	518
DSC3280	D18/5	NNE	519
DSC3281	cart tracks leading to D18/5	NNE	519
DSC3282	W18/9	NNE	520
DSC3283	cart tracks leading to W18/9	NNE	520
DSC3284-5	Building 18 interior N wall W18/11 (left) W18/10 (right)	NW	520
DSC3286	W18/10 (left) D18/4 (right)	N	520
DSC3287-90	Building 18 E wall interior no apertures showing rounded corner internally	ESE	520
DSC3291-3	E wall Buildings 20-22 built of white brick. Virtually inaccessible.	NW	521
DSC3294-3304	Interior Building 32A (square concrete columns) and Building 21 (concrete octagonal columns)		
DSC3305	First floor Building 5 Ann/Maberly St corner with interior windows W5/3, /4, /17, /18 (R-L)	W	522
DSC3306	Building 5 W5/17, 18, 19, 20, 21 (R-L)	SSW	522
DSC3307	Building 5 W5/3, 4, 5/17, 18, 19 (R-L)	SW	522
DSC3308	Building 19 first floor pit in concrete floor	E	523
DSC3309	Building 19 with Building 20 first floor (concrete octagonal pillars)	N	523
DSC3310	Door 5/2 with concrete ramp	SSE	524
DSC3311	cardboard barrels with metal lids		
DSC3313	Building 20 first floor octagonal concrete pillar	NE	525
DSC3314	Building 20 1st floor	NNW	525
DSC3315	Building 20 1st floor W20/5	W	526
DSC3316	cardboard barrel base with wheels		
DSC3317	Building 20 1st floor W20/5, 6, 7, 8 (L-R)	NW	527
DSC3318	Building 20 1st floor barrel bases		
DSC3320-1	Building 20 1st floor N end room with ventilation shaft mechanisms		528
DSC3322	Building 20 1st floor door through to Building 21	N	529
DSC3323-5	Building 21 1st floor with concrete interior walls and ceiling and concrete octagonal pillars	N	530
DSC3326-7	Building 21 1st floor	NE	530
DSC3328	Building 21 1st floor	N	530
DSC3329-33	Building 21 1st floor detail of ceiling panel poured concrete	N	530
DSC3334	Building 21 1st floor	N	531
DSC3335	Building 21 1st floor interior windows 21/3, 4, 5	W	531
DSC3336	Building 21 1st floor detail of ceiling panel poured concrete	N	531

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DSC3521-2	Building 52 interior boiler (not accessible)	ENE	569
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DSC3589	Building 52 exterior W52/2 (left)	NNW	590
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DSC3593	Building 52 interior D52/7	NNW	584
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DSC3595	Building 52 interior D52/9	NNW	593
DSC3596	Building 52 interior E wall D52/10, W52/5, 4, 3 (L-R)	NNE	586
DSC3597	Building 52 interior E wall D52/10, W52/5, 4, 3 (L-R)	NE	586
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DSC3607	Building 83 S wall W83/12	NNW	596
DSC3608	Building 83 S wall W83/12	NNW	596
DSC3609-10	Building 83 S wall W end W83/11 above W82/12 below (was a door) W83/13 (right)	NNW	597
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DSC3613	Building 83 S wall blocked door D83/3 (left) W83/15, 16, 17, D83/4 (right)	NNW	599
DSC3614	Building 83 S wall blocked door D83/3 (left) W83/15, 16, 17, D83/4 (right)	NW	600
DSC3615	Building 83 S wall blocked door D83/3 (left) W83/15, 16, 17, D83/4 (right)	NNW	600
DSC3616-8	Building 83 S wall blocked door D83/3 W83/14 above	NNW	601
DSC3619	W83/15	NNW	602
DSC3620-2	W83/16 with W83/28 above	NNW	603
DSC362-5	W83/17 with D83/4 (right)	NNW	604
DSC3626-7	D83/4	NNW	605
DSC3628	W83/21 (left) D83/3 right	NNW	606
DSC3629	D83/3	NNW	607
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DSC3631-2	W83/21 (left) D83/3 (centre) D83/6 (right)	NNW	609
DSC3633	D83/6 (left) W83/24, D83/7 (right)	NNW	610
DSC3634	W83/24 (left) D83/8 (right)	NNW	611
DSC3635	Cart tracks F40 leading to Building 102	W	611
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DSC3640	Building 102 W102/8	W	614
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IMG_0932	Building 83 partition wall with stairs and left behind	W	679
IMG_0933	Building 83 square sectioned concrete columns	N	680
IMG_0934-5	Building 83 square sectioned concrete columns and poured shuttered concrete roof and column attachment	NW	681
IMG_0936	Building 83 ground floor columns, roof, with windows W83/47, /46, /45 (l-r)	W	682
IMG_0937-8	Building 83 lift	S	683
IMG_0939	Building 83 lift and stairs	E	684
IMG_0940	Building 83 lift and stairs with D83/3 (right)	SE	684
IMG_0941	Building 83 W83/16, /17 with brick buttresses	S	685
IMG_0942	Building 83 S wall	WSW	685
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IMG_0944	Building 83 W83/13 left W83/13 right	W	687
IMG_0945	Building 83 duct under floor	W	687
IMG_0946-7	Building 83 duct (bottom) W83/12 (top)	S	688
IMG_0948	Building 83 W wall W83/47	W	688
IMG_0949	Building 83 W wall W83/46	W	689
IMG_0951	Building 83 W wall W83/45	W	690
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IMG_0954	Building 83	E	690
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IMG_0956	Building 83 N wall	NW	691
IMG_0957	Building 83 N wall windows and brick buttresses W83/36 (left) W83/35 (right)	N	691
IMG_0958	Building 83 W83/33	N	692
IMG_0959	Building 83 N wall	NNE	692
IMG_0966	Building 83 N wall	NE	693
IMG_0961	Building 83 E wall windows	E	682
IMG_0962	Building 83 N wall E end	N	694
IMG_0963-4	Building 83 E wall	E	694
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IMG_0967	Building 83 W83/2	E	695
IMG_0968	Building 83 D9 (blocked) W26 (right)	SSW	695
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IMG_0970-72	Building 83 stairs to first floor	N	696
IMG_0973	Building 83 first floor W end with round section cast iron columns	W	697
IMG_0974	Building 83 W83/20, /19, 18 (l-r)	SSE	697
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IMG_0976	Building 83 W83/20, /19, 18 (l-r)	SE	698
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IMG_0979	Building 83 W end	W	698
IMG_0980	Building 83 NW corner	WNW	698

IMG_0981	Building 83 N wall showing brick buttressed wall with no apertures	N	698
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IMG_0983	Building 83 E end with stairs and lift (right)	E	698
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IMG_0992	Building 83 wall between 83/14 and /11	S	700
IMG_0993-4	Building 83 W83/14 (left) W83/11 (right)	S	701
IMG_0995-7	Building 83 W wall S end showing electrical junction boxes and access to roof space by metal ladder	W	701
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IMG_1019-20	Building 83 E wall with D83/1	E	706
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IMG_1026	Building 83 W83/23	S	707
IMG_1027-8	Building 83 lift and stairs	WSW/W	707
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IMG_1042	Building 101 S wall/Building 99 N wall D99/1	SSE	379
IMG_1043-4	Building 99 N wall D99/1	NNW	711
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IMG_1046	Building 99 S wall D99/2	NW	712
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IMG_1050	Building 97 S wall E end D97/1 with chimney 88A (top right)	SSE	713

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IMG_1054	Building 91 N wall	NE	714
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IMG_1059	Building 91	ENE	714
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IMG_1061	Building 91 S wall D91/1	SSE	714
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IMG_1100-1	Building 91 D91/5 (left) with cast iron spiral stairs to upper floor	WSW	720

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DSC_5140	Building 20 (left) Building 32 (right) after demolition of Building 18	NW	736
DSC_5141	Building 32 SE gable after demolition of Building 18	NNW	736
DSC_5142	Building 26 E façade after demolition of Building 51	W	737
DSC_5143	Building 26 E façade after demolition of Building 51	NW	737
DSC_5144	Chimney Building 53 after demolition of Building 51	NNW	737
DSC_5145	Wall N of Building 51 after demolition of 51. There was a duct between Building 52A and Chimney Building 53 which has been demolished. This took waste products from boiler house (52 and 52A) out of chimney 53.	N	738
DSC_5146	As 5145	NE	738
DSC_5147-49	One of 2 20 <sup>th</sup> century boilers from Building 52A		
DSC_5150	As 5145 with Building 52A N wall (right)	NE	739
DSC_5151	Building 52A	E	739

DSC_5152-3	Reinforced concrete base for 20 <sup>th</sup> -century boilers	E	740
DSC_5154-5	Building 83 W wall	E	741
DSC_5156	Interior gateway F34	NNW	742
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DSC_5159-65	One of 2 20 <sup>th</sup> century boilers from Building 52A		
DSC_5166	Building 101 demolished	E	744
DSC_5167-8	Props in Building 83 to support frontage when rest of building demolished		
DSC_5169-73	Bricks from Buildings 101, 99 and 97		
DSC_5174	Building 1	SW	233
DSC_5175	Building 20 (centre)	W	139
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DSC_5177	Building 32 (left) chimney 53 (centre)	N	139



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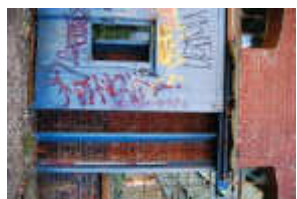
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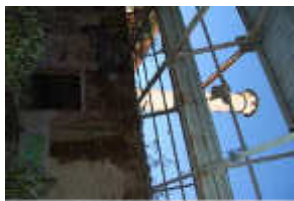
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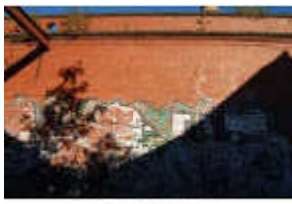
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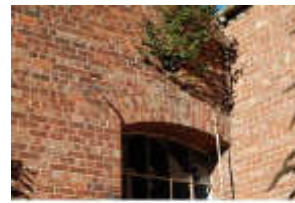
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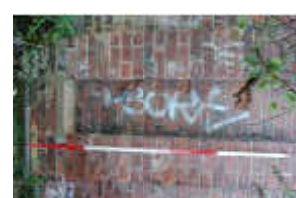
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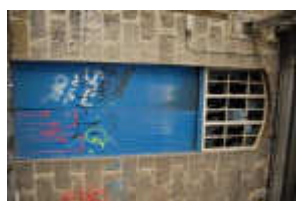
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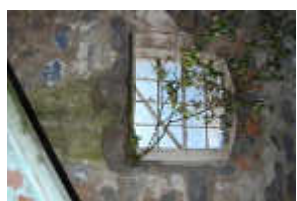
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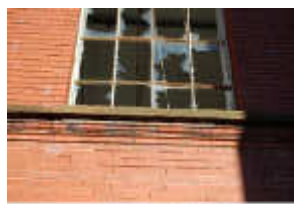
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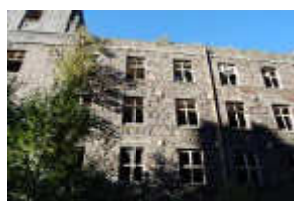
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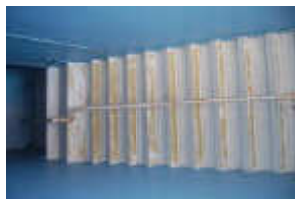
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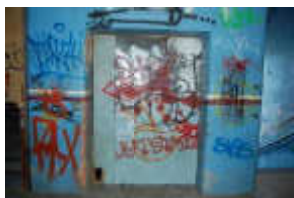
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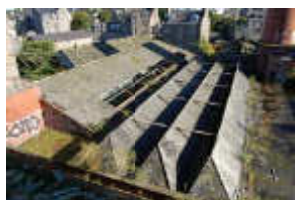
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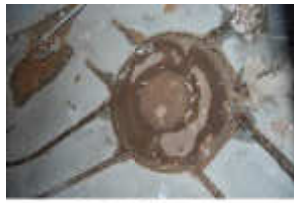
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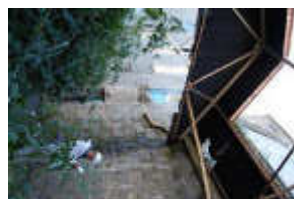
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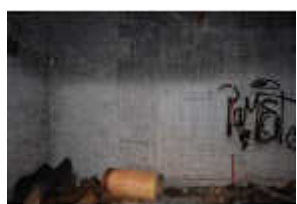
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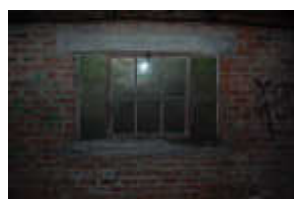
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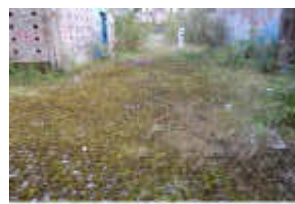
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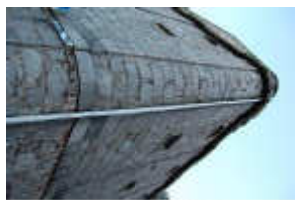
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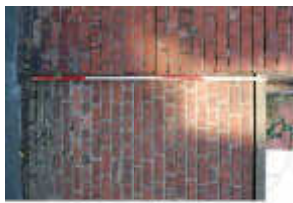
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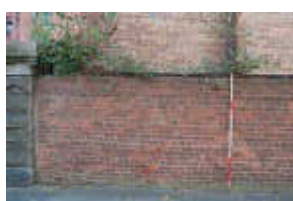
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