

Historic Building Record
Broadfold Farm
Auchterarder
PERTH & KINROSS
AA15

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**BROADFOLD FARM
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AUCHTERARDER
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AA15

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ABSTRACT

Alder Archaeology produced a historic building record (site code AA15) of Broadfold Farm, Auchterarder, for Excel Contracts Ltd, in advance of demolition and conversion to residential use. The recording was undertaken on 03rd June 2020.

The steading consists of buildings dating from the early 19th century until the early 21st, mostly grouped around a central courtyard, mostly quite dilapidated. One building incorporates a re-used marriage lintel dated 1754. The farm house incorporates roughly trimmed softwood timbers in the roof and internal partition walls. The steading buildings incorporate stalls, vents and wide doors associated with the management of cattle. A mid 20th-century barn seems to have been built mainly with re-used timbers to an ingenious improvised design.

1 Background

1.1 Introduction

Mr Rick Hall on behalf of Mark Irving of Excel Contracts Ltd commissioned Alder Archaeology to undertake an archaeological Historic Building Record of Broadfold Farm, Auchterarder. The proposed development is conversion to housing of a 19th-century or earlier farm steading just E of Auchterarder, centred on NGR NN 96314 13150. The work (site code AA15) was undertaken on 03rd June 2020. The requirement was to make a basic record of the existing farm buildings and their immediate surroundings.

The work was designed to satisfy the archaeological condition on development application reference 19/01186/FLL.

1.2 Aims and Objectives

The main aim of this investigation was to record the farm buildings as they currently are, and the evidence for their structural history and changing use, before they are partly demolished and partly converted to residential use.

1.3 Reporting

The present document has been prepared as the final report on this investigation. Copies will be sent to the client, The National Record of the Historic Environment at Historic Environment Scotland, and the Perth and Kinross Historic Environment Record.

1.4 Acknowledgements

Guidance was given by Sophie Nicol of Perth and Kinross Heritage Trust. The work was arranged by Mr Rick Hall, Chartered Architect on behalf of Mark Irving of Excel Contracts Ltd. Thanks are also due to the landowner, Andrew Brown, and his colleagues for advice on site, in particular to Hamish Walker for pointing out the 18th-century marriage lintel in the West Range.

2 Details of Work

2.1 The Site (Illus 1)

Broadfold Farm is located 2 km E of Auchterarder, just S of the A9 to Stirling. It lies on a flat terrace overlooking the A9 to the NW, and beyond it the Ruthven Water, which joins the Earn just beyond Aberuthven to the NE. To the S and E it commands dramatic views of the Ochils, notably Ben Effray, Craig Rossie and Rossie Law. The farm steading is reached by a small track now flanked by new houses, running N from an unclassified road which connects to the B 8062 from Dunning.

The track and the farm buildings are generally laid out at about 45 degrees to the cardinal points of the compass, and parallel or perpendicular to the A9. For convenience the buildings and their walls and elevations are here described as if the A9 ran E – W, and the access track ran N – S. This same practice has also been followed

in the architect's drawings. However, the direction of view of photographs is given according to the conventional points of the compass.

2.2 Archaeological Potential

The proposed development site was considered to be archaeologically sensitive as it includes several historic vernacular agricultural buildings and one dwellinghouse, which collectively date to at least the 1st Edition Ordnance Survey of the area in the mid 19th Century. Although the buildings at Broadfold Farm have been altered and repaired historically, they appear to retain original fabric and features that preserve their early character and origins.

2.3 Archaeological Method

The site was visited on 03rd June 2020. All the buildings were photographed inside and out, to show as much of their fabric and condition, their relation to each other and their setting in the surrounding landscape.

The photographic record was intentionally structured to allow cross-reference between detail and its wider setting. It is described in detail in Appendix 1 below, together with interpretive notes where relevant. The text which follows gives a general overview. The illustrations are based on architect's plans and elevations, annotated to show features of interest.

2.4 Results of Investigations

01 General

The farm steading is accessed from the SW corner, and is arranged around a central Courtyard. Surrounding the Courtyard are N and S Ranges adjoining the Courtyard. Surrounding the Courtyard but slightly separate from it are the W Range, the N Byre, and a small Dairy to the E. At the NW corner of the Courtyard is a tall steel Grain Silo. Farther to the E is the Eastern Barn. To the S of the Courtyard is the Farm House, with a garden beyond to the S.

The older buildings are constructed with lime-mortared buff sandstone rubble, probably local, with occasional lumps of whinstone, probably also local. Quoins, sills, lintels and door and window jambs are generally of dressed sandstone. The roofs are of blue – green slate, probably Scottish, and in some cases laid in diminishing courses in the traditional way. Most of the older buildings are in quite a dilapidated condition, and have undergone many changes.

There are also more modern agricultural buildings, probably mid to late 20th-century, with steel frames, covered with corrugated iron or asbestos cement. There is one building, the Dairy, entirely of brick.

In the later 20th century, the farm specialised in calf breeding, and many of the buildings have been constructed or adapted for the management of cattle, but they have not been used in this way for some time.

The steel Grain Silo is a tall and prominent feature, painted a dark glossy green. It has gained a second function as a mobile phone transmitter tower, its height and location

allowing it to serve a wide area. A late 20th or early 21st-century cabin has been located just S of its base, to house the required electronic equipment.

02 The West Range

This building is tall, long and narrow, aligned N – S with a steep pitched roof. The east slope of the roof is slated in diminishing courses. On the W slope the slates have been replaced with profiled metal sheeting. It was originally built with a ground floor and loft, but in places the loft floor has been cut away. There are a number of blocked altered or inserted doors and windows. At the south end there is a windowed room with a loft above, perhaps a stable and hayloft. There are two curious hatches in the loft floor above, perhaps for bringing down feed and bedding into the stable. At the N end of the building there are arched cart doors, one now blocked, facing out to the E.

The middle part of the building was modified when it housed the blowing equipment for the adjacent Grain Silo, but is now used as a workshop and store.

To the N of the workshop door, above the lintel of a now blocked doorway, is a much smaller, thinner lintel, with the inscription **17 IA** [heart] **IB 54**. This is obviously an 18th-century marriage lintel, dated 1754 and commemorating the marriage of two persons with the initials IA and IB. The lintel is not structural in its present position above a much more substantial lintel, and obviously out of place on a clearly agricultural building. It does seem to have been built into its present position rather than inserted later. It was perhaps brought here from a town house in nearby Auchterarder, or from an earlier farm house at Broadfold, and incorporated in the present building to preserve it, either as an antiquarian curiosity, or because of a family connection with the previous building.

Beyond the N gable end, the building has been extended by a steel framed open shelter, with a corrugated iron roof, Probably of mid 20th-century date.

03 The North Byre

This is the largest and probably the latest structure, apart from the telecoms cabin. It is a wide, low cattle shed, oriented E – W, with a steel portal frame, and asbestos cement sheeting. There is a concrete entrance ramp at the E end, grooved for drainage and traction, leading to a central concrete aisle. The cattle holding areas on either side are of precast concrete slatted design, to allow machine cleaning from below with minimal cattle movement. This building is probably of mid to late 20th-century vintage.

04 Courtyard

The Courtyard itself is quite small, and now open to the elements. It is divided in the middle by a raised causeway, supported on either side by brick dwarf walls. This leads from a doorway in the N Range to another in the middle of the S Range. Near the middle of the causeway is a cast iron column with flanges on the top to support a horizontal E – W roof timber, now gone. Evidently the Courtyard was at one time partly roofed over, as indicated by abundant fallen roof slates. Around the shaft of the column are two steel or wrought iron clamps of unknown purpose. Part of the Courtyard previously had a slatted floor for the management of cattle.

The Courtyard is bounded to the S by the S Range, and to the E, W and N by sandstone rubble walls, with wide doorways for the movement of cattle. The E wall is now freestanding, but is marked by vertical ventilation slits of the sort normally provided in

cattle sheds, showing that this wall was once part of an enclosed building. The slits are now blocked, and are visible only on the W side.

The N wall now forms part of the N Range, and has wide doorways partly rebuilt in brick.

05 The North Range

The N range is aligned E – W, and consists of two lightly built steel framed buildings with corrugated iron sheeting and mainly open ends. The S part of the N Range incorporates the sandstone rubble wall on the N side of the courtyard. It has a monopitch roof sloping down to the N, ie away from the Courtyard. The N part of the N Range directly abuts the S Range, and has an arched steel roof, with light and rather elegant steel roof trusses. The SW corner of this building has been partly removed to accommodate the Grain Silo.

Both buildings are of a type dating to the mid 20th-century, and are often used to store bales of straw and hay. It is more common to see buildings of this type arranged with a central arched roof range, flanked by a monopitch range on either side arranged so that the pitched roofs slope away from the central arched roof, forming an elegant and symmetrical ‘aisled barn’, which sheds the rain to the outside edges. The arrangement in the present case is more haphazard.

06 The South Range

The South Range is a narrow, single-story building aligned E – W, with a gable at the W end and a mansard roof at the E end. At the E end, on the N side, there is a cast iron trough gutter which it would have shared with the now vanished roof over the Courtyard. There are four doorways on the N side, two now blocked, and three on the S side, one at the E end of double width for the movement of animals. Internally, the roof timbers are open, but there are traces of an improvised ceiling of plastic bags and sacks, presumably added to retain heat.

At the W end there are three cattle stalls against the gable wall, while in the E end wall there is a small ventilation slit, now blocked. There are also two triangular zinc vents in the roof above the E end. In the W gable wall, just below the apex and slightly to the S, there is a small, narrow slit, now blocked, with a small, projecting sandstone table projecting externally, perhaps for the benefit of small visiting birds.

07 The Dairy

The Dairy is a tall, compact, rectangular brick building, just outside the SE corner of the Courtyard. Its W wall rests on top of the Courtyard wall. It has a ridged, slated roof, aligned N – S. It has no roof trusses or rafters. Instead, the sarking boards are supported on a ridge beam and N – S purlins running between the N and S gable walls. On either side of the roof are louvered vents built like catslide dormers.

Internally there is rolled steel beam running N – S just below the ridge, inserted into the gable ends. This does not support the roof in any way, and was perhaps intended to support milking machinery or similar equipment. There are three cattle stalls built against the E wall. At the N end there are two doorways with timber lintels and brick arches above. At the S end there is a double doorway, spanned by a rolled steel lintel, subsequently reduced in brick to a single doorway.

08 The East Barn

The E Barn stands a little apart by itself. It is a large, tall and curious structure built of re-used softwood timbers and corrugated iron sheeting, with mostly open ends, and an earth floor. It is supported on the centre line and at the sides by very large, earthfast posts, spanned by heavy timber rafters and a ridge beam, and lighter purlins, with a system of sawn plank wind braces, all apparently nailed together. The larger timbers shows various signs of re-use, with non-functional notches and grooves. The posts are similar to telegraph or power transmission posts, but much larger, with horizontal grooves like those on traditional telegraph poles to support the cross-members which carried the wires. It is possible that these posts might have been salvaged at a time when the National Electricity Grid was being created in the mid 20th-century, and timber transmission posts were being replaced by 330 KV lines on steel pylons.

The E Barn appears to be an ingeniously improvised, hand-built structure, and would have been suitable for storing bulky, low-value materials requiring ample ventilation, such as straw and hay bales. The propensity of hay to spontaneous combustion might be a motive for its location away from the steading.

09 The Farm House

The Farm House is located at the S margin of the steading, with a garden to the S. Not surprisingly it turns its back on the steading, facing S and E to the sunlight and the view of the Ochils. It is a compact, rectangular two-storey building, mostly of sandstone rubble, with a simple pitched roof aligned E – W between plain gable ends, and small 19th and 20th-century extensions. The 20th-century extensions are of brick with cement render.

The original core of the building, probably of early 19th-century date, consists of two rooms, E and W, on each floor, with fireplaces and chimneys in the two gable end walls, arranged around a central timber stair against the N wall and a small square entrance hall to the S. All the internal walls and ceilings were of lath and plaster. All the surviving original windows are in the S elevation. The front door would have been in the centre of the S wall. The floor joists are of machine-sawn softwood with deep rectangular sections, as in modern buildings, but the studs of the internal walls and the roof timbers were all of roughly trimmed softwood, in some cases still more or less in the round. The sarking boards appeared to be more recent, but were slated in diminishing courses in the traditional way.

Access to the loft was by a steep, narrow and very worm-eaten plank-and-slat stair or ladder, obviously unsafe. The loft was only very locally floored, and the position of the roughly trimmed joists (forming the base of the roof trusses) was concealed by a double layer of glass fibre insulation. For these reasons the loft was not entered, but only photographed by holding up a camera through the access hatch.

The internal faces of the outside walls were originally plastered on the hard. This must have been miserably cold, and was pierced with holes for wooden dooks to support a later internal plaster lining, no doubt to improve insulation. The fireplaces had been altered to insert firebrick linings, mid – late 19th-century cast iron surrounds, and Art Deco tile surrounds.

The W extension was of similar construction to the main house, single-storey with a pitched, slated roof, added on to the W gable end, probably of mid 19th-century date. The back entrance door to the house was in the N wall of this extension.

The S extension created a new front door and entrance lobby on the ground floor, and a small additional S room on the first floor, with a pitched slated roof above. In the N there were two extensions. In the centre of the N wall was a ground floor cellar or boiler room, with a small room above, off the stair landing (mezzanine or entresol seems too grand a term), and a lean-to roof. To the N was a small, single-storey toilet and entrance lobby with lean-to felt roof. The three S and N extensions were all of cement-rendered brick, of mid 20th-century date.

3 Discussion

Broadfold was a small and unpretentious example of a Scottish farm, with a very basic and simple farm house and steading, with many changes and adaptations from the age of Improvement at the beginning of the 19th century, down to the conversion of the grain silo to a mobile phone transmitter tower in the 21st century.

The preservation of a mid 18th-century marriage lintel in the W Range is an intriguing hint of a much earlier agricultural establishment on the site, not surprising only 20 minutes walk from the important burgh of Auchterarder. The burgh would actually have been more accessible on foot than today, when it is partly cut off by the A9 dual carriageway.

The use of so much roughly trimmed timber in the Farm House is curious and rather old-fashioned, in what is otherwise a 19th or very late 18th-century building. Perhaps, in a rural setting, machine-sawn timber was an expensive resource, brought in from a distance, and used only where needed, for example in the floor joists, which needed to be long and strong, with a deep, stiff section, and flat top and bottom to support the floor above and ceiling below. Perhaps in the wall studs and roof timbers, rural joiners were still happy to use their traditional skills and improvise with the smaller, less regular timber available locally.

The ongoing and ultimately unsuccessful struggle to make the farm house habitably warm, with modernised fireplaces, central heating, additional layers of wall insulation, double glazing, and glass fibre in the loft, is a common problem in rural housing of this period and type in Scotland, with their exposed locations and thick, single-skin stone walls, and has led to the demise of a number of such buildings in recent years.

As Broadfold specialised in calf breeding, its early buildings show the age of Improvement at work in cattle farming. Cattle are famously able to keep themselves and others warm, but at the cost of burning off much of their winter feed. Wintering them under cover enormously reduces the cost of feeding them and/or improves their weight gain and productivity in the winter months. The Courtyard, originally roofed, and the various arrangements for moving them in and out of buildings, reflect this. So, in a different age, does the late 20th-century N Byre, under its steel portal frame. Cattle are also famously robust and resilient, unlike sheep which take ill and die on very slight provocation, but they are prone to respiratory infections, of which TB is the most notorious. Ventilation is a recurring theme in many of the buildings, part of the scientific spirit of agricultural Improvement.

The E Barn, anticipating in salvaged timber and corrugated iron the scale and proportions of a steel portal frame, and reviving in the mid 20th century the medieval and prehistoric tradition of earthfast posts, is a curious and ingenious example of improvised design and construction, and apparently successful, since the building still seems to be in sound condition.

4 Photographic Register

<i>No</i>	<i>Description</i>	<i>View</i>
	01 General	
001 - 2	General. W Range (L), Farmhouse (R), Silo and S Range beyond.	N
002	General from entrance. Craig Rossie and Ben Effray.	SE
003	General from entrance. Craig Rossie.	E
004	Farmhouse W gable, from entrance. L, S Range and W Range.	NE
	02 West Range Exterior	
005	W Range from entrance. Silo behind.	N
006 - 7	W Range, S gable end. Sandstone rubble, lime mortared, with occasional whinstone. Sandstone quoins from waist height upwards. At first floor, central window with dressed sandstone jambs, sill and lintel. Boarded up. External brick and cement block piers for fuel tanks. Circular flue in wall to R of tank. Silo to R.	NW
008 - 9	S end of W Range. E elevation, sandstone rubble. Window, doorway and loft loading door above, all with dressed sandstone jambs sills and lintels. Slated roof in diminishing courses. Zinc ridge. Half-round cast-iron gutter. Dormer roof over loading door. Large hinged double door into workshop to N.	WSW
010	As 008 - 9.	SW
011	As 008 - 9.	SSW
012	Middle of W Range, E elevation. Detail of hinged double door to workshop. Wooden lintel above. Above lintel, brickwork with cement render, lined out, shows later insertion / alteration of doorway. Left jamb of doorway with sandstone jambs, original. Right jamb brickwork, shows late insertion / enlargement. Blocked doorway to R of double doorway.	WSW
013	Blocked doorway. Dressed sandstone jambs and lintel. Re-used marriage lintel above. See 143 - 5 below. Boarded up window to R of ivy.	SW
014	Boarded up window. Steam vents near roof ridge. Near eaves, roof patched with blue slates and sheet metal. Roof light near ridge. Bricked-up archway behind hawthorn, with loft window above. Dressed sandstone jambs and lintel. Partly boarded up, with circular aperture. Location of blower duct to serve grain silo opposite (Andrew Brown, pers comm.) Second arch and loft window adjacent to R.	SW
015	N end of W Range. Second arched doorway with dressed sandstone voussoirs and dressed sandstone jambs. Modern steel roller door behind. Loft window above, with dressed sandstone jambs, sill and lintel. Blocked with bricks and cement render. Sheet metal repair in roof above. Original cart doors, with hayloft windows above? Roof	SSW

	repair in location of loading beam? Sandstone rubble quoins at NE corner. N gable end in shadow of 20 th -century steel-framed extension with asbestos cement roof.	
016	Detail of N gable end under 20 th -century steel and asbestos cement extension. Sandstone rubble, lime mortared. Occasional whinstone. Sandstone rubble quoins. Bricked-up doorway partly obscured by boards. Small, irregular bricked-up opening at loft floor level, partly obscured by plywood.	S
017	W Range, 20 th -century steel and asbestos cement extension. E elevation open. N end wall brick at ground level, corrugated iron above. W elevation mostly open, with some corrugated iron panels.	W
018	W Range, SW corner. Rubble quoins. W slope of roof in profiled sheeting. No gutter. W elevation, lime mortared sandstone rubble. Occasional whinstone. Possible putlogs c 0.3 m below wall head. Sign of lean-to structure to W of W range?	N
019 - 20	W Range, W elevation at S end. As 018. Possible blocked opening or joint at ground level, just R of container.	NE
021	Detail of possible blocked opening or joint.	NE
022 - 3	W Range, W elevation, N end. Lime-mortared sandstone rubble. Rubble quoins at NW corner. Sheet metal eavesdrip at wall head. Small loft window with oversized dressed sandstone jambs and lintel. Undersized sandstone sill. Vertical joint continues below window, obscured by vegetation. Small opening just below window to R, blocked by single brick. Putlog?	NE
024	W Range, W elevation from N end. Bent iron rods protrude from wall above vegetation. Lean-to structure? Concentration of whinstone to S, change of build? Steel flues protruding from wall. Heater? Blower connected with grain silo on NE side of W Range?	E
025 - 6	W Range and N extension. Craig Rossie, etc beyond. Grain silo on NE side of W Range.	E
	03 North Byre	
027 - 8	N Byre, NE gable end. Steel portal frame byre, asbestos cement roof, brick walls. Late 20 th -century.	NE
	04 West Range, Interior	
029	W Range, S end, entrance.	SW
030 - 1	W Range S end, interior. Concrete floor. Textured for grip and drainage. Wooden post support N - S beam. Loft floor joists above, E - W.	SW
032	As 030 - 1. Possible blocked opening in W wall. Internal N wall of brick.	W
033	Internal view of E wall, door and window.	E
034	Detail of Loft floor above. Possible hatches along E wall, for access to loft. Mortice and tenon joints in floor timbers. Martins' nest.	SE
035	Interior of workshop. Steep rafters and high collars. Rafter feet bedded in lime-mortared rubble on wall head. Large cross-beam at Loft floor level.	NW

036	Interior of workshop. Brick dividing wall at S end. OSB sheet partition above. W wall of sandstone rubble. Sawn-off Loft floor joists embedded in W wall.	S
037	Interior of workshop. Brick dividing wall at S end. Double doorway in E wall, raise in modern blockwork.	E
038	Detail of double doorway. L jamb in modern blockwork and brick. Modern timber lintel, with modern blockwork above.	NE
039	Workshop, W wall. Sandstone rubble masonry. Loft floor joists cut off in wall. Modern rafters above, embedded in wall head. Modern sarking boards. Possible blocked opening at wall head. Note W slope of roof has modern profiled sheeting above.	SW
040	Workshop interior, W wall, with empty Loft floor joist sockets.	W
041	W range interior, N end. Two cart doors, one blocked, one with steel roller door. Blocked windows above, with timber lintels. Traces of Loft floor joists sockets in N gable end wall. Internal walls plastered at Loft level, stops below window lintels. Original roof timbers and sarking boards above. Rafter feet embedded in wall head. Collars between rafters above.	N
042	Detail of cart doors. Massive timber lintel behind sandstone arch. Boarded-up window above. Timber lintels. Plaster stops short of lintel height.	NE
043	N gable end, with traces of Loft floor, and internal plaster. Slim blocked openings in wall. Height from Loft floor to top of plaster less than adult head height. Rafters, collars and sarking boards above.	NW
044	NE corner. Windows and roof timbers over cart doors.	N
	05 Courtyard	
045	S Range and W wall of Courtyard. White telecoms cabin serves transmitters on Grain Silo	NNE
046	W wall of Courtyard. Sandstone rubble masonry. Sandstone quoins in doorways. Large timber lintel, two timbers. Wrought iron or steel rail for suspended sliding door.	N
047	View into Courtyard. Brick-walled central causeway with central cast-iron column. E wall and dairy beyond. Corrugated iron sheeting of N Range.	NE
048	Courtyard. N-S brick causeway with central cast iron-column. Flanges on column show position of E – W roof timber. E wall sandstone rubble, with narrow vertical ventilation slits, blocked. Partly plastered, suggests once internal. N wall sandstone rubble, with modern brickwork at openings into N Range. Corrugated iron sheeting of N range above. Floor strewn with roof slates of long-demolished roof.	NNE
049	As 048. Grain Silo to L of N Range.	NW
050	Courtyard, with N Range, E wall and Dairy. E Barn beyond. Dairy brick-built with slated roof, uniform courses, louvered vents. Partly built on W wall of courtyard. Late 19th – Early 20 th -century construction.	NE
051	As 050. Opening at S end of E wall.	NE
052	View along central causeway to N Range and central cast-iron column. Grain Silo beyond W end of N Range.	NW

053	E wall of Courtyard. Blocked vent slots in E wall. Dairy built over E wall.	NE
054	E wall of Courtyard and N Range. E Barn beyond.	NNE
055	W wall, interior. Sandstone rubble. Sandstone jambs and timber lintel at entrance doorway. Small square window far R. Galvanised steel posts and duct are external, connect telecoms cabin to transmitters on Grain Silo.	SW
	06 South Range	
056	View along central causeway to S Range. Cast iron column in foreground. Farmhouse behind. S Range, slated roof, diminishing courses, zinc ridge. Cast iron trough gutter to serve missing Courtyard roof. E (L) end, mansard roof. W (R) end, gable roof. One cast-iron framed roof light. Traces of Courtyard roof rafters in wall head. Sandstone rubble wall with occasional whinstone. Weathered whitewash, once under cover. Central doorway with sandstone jambs and timber lintel. Two blocked doorways to L, one blocked in brick, the other in cement blocks. One window to R.	SE
057	SE corner of Courtyard, with Dairy and S Range. Ochils beyond. S Range, bricked up doorway with original sandstone jambs. Concrete blocked doorway with later brick jambs. Both with timber lintels.	E
058	Detail, cast iron column, with two wrought-iron or steel clamps. Flanges at top to secure N – S roof timber.	SE
059	E end of S Range. Bricked up ventilation slit to L of dead vegetation. Indicates cattle use.	E
060	E wall of Courtyard with Dairy.	NE
061	Centre of S Range. Bricked up ventilation slit to L of dead vegetation. Displaced green wooden door, internal.	S
062	S Range interior. E end. Roof timbers and mansard roof. Small bricked up vent in gable wall. Wide cattle doorway near NE corner.	NE
063	As 062. S Range interior. SE corner. Small beam socket in S wall.	E
064	S Range interior. W end, S wall. Roof timbers above. Cast iron framed roof light. Farm House beyond.	SE
065	S Range interior. W end, stalls in gable end wall.	W
066	S Range interior. N wall and door to Courtyard.	NW
067	S Range interior. E end, N wall. Blocked doorways to Courtyard. Roof timbers.	NNW
068	S Range interior. E end, roof timbers and improvised lining of plastic sacks. Half round collar in roof.	NE
069	S Range exterior, E end. Wide cattle door. Triangular zinc vents in roof.	NE
070	S Range exterior, SE corner.	N
071	S Range exterior, E end. Mansard roof. Farmhouse to L. Dairy to R. Ventilation slit in end wall, near centre, blocked with sandstone.	SW

072	S Range exterior, E end. Detail of mansard roof. Zinc ventilator.	SW
	07 Dairy	
073 – 4	Dairy with Grain Silo beyond. Brick built. Ratio of headers and stretchers varies. Steep-pitched roof E and W, with louvered vents. Two three-pane roof lights on E slope, with transoms under glass. Wide cattle door in S gable end, reduced in brick. Two square windows high in E wall, with traces of wooden louvers.	W
075	Dairy interior. Stalls in E wall. W wall incorporates sandstone Courtyard wall. Two doors in N end, brick arches over timber lintels. Roof supported on N – S purlins and ridge beam between gables, not E – W rafters.	NW
076	Dairy interior. As 075, but looking to SE gable end. Rolled steel beam N – S below roof. Does not support roof. Perhaps for suspended machinery. Reduced double door spanned by rolled steel lintel.	SE
077	External view of E Courtyard wall. Dairy built on. Wall of sandstone with occasional whinstone. Traces of timbers sockets just below wall head, and possible coping or mortar fillet. Lean-to roof, now gone? Ventilation slits not visible externally. Grain silo beyond.	W
078	As 077.	S
079	N gable end of Dairy, with two arched doorways, and adjacent Courtyard wall. End of internal steel beam protrudes through brickwork in gable. Ratio of headers to stretchers generally 1:4	SE
080	Detail of Dairy N gable end. As 079.	SE
	08 North Range	
081 – 2	E end of N Range. Steel and corrugated iron, mid 20 th -century. Two parts:- N, with arched roof, and S, with monopitch roof. Grain Silo beyond.	SW
083	As 081 – 2, showing N wall of N Range. Corrugated iron.	SSW
	09 North Byre	
084	E end of N Byre. Steel Portal frame, Asbestos cement sheeting. Some flat steel wall panels. Glass fibre roof lights. Mid – late 20 th -century	WSW
085	As 084. Concrete entrance ramp.	SW
086 – 7	Interior. Central concrete access path. Concrete slatted floors. Concrete block W end wall.	SW
	10 East Barn	
088	East Barn. Timber frame, corrugated iron roof and sides. Open ends.	E
089	As 088. Rossie Law etc beyond	ESE
090	East Barn interior. Timber frame. Earth floor. Re-used softwood timbers. Re-used round earthfast timber posts on centre line. Rafters, purlins and wind braces. Nailed construction. Shallow roof pitch. Late 20 th -century DIY project?	ENE

091	As 090.	NE
092	As 090, with classic yacht.	NNW
093	Detail of classic yacht	N
094 – 5	Detail of roof construction. Horizontal notches on central posts show re-use. Re-used Telegraph / Power line posts?	NNE
096	View from interior to N Range, Dairy and Grain Silo. Partly sheeted W end.	SW
	11 General	
097	General view of steading from East Barn. Farm House, S Range, Dairy, Grain Silo, N Range.	SW
098	S Range, Dairy and Grain Silo	SW
	12 South Range	
099 - 100	S Range, W gable end.	NNE
101 - 2	S Range, W gable end. Detail of blocked vent slot and perch, slightly off centre.	NE
	13 Farm House Exterior	
103	Farm House, W gable end. Sandstone and whin rubble, with sandstone quoins. Single-storey W extension, same construction. Two-storey S extension, brick and cement render.	NE
104	As 103.	NNE
105	As 103. Detail, W extension. Single S facing window. Main house chimney stack, cement-rendered. Two chimneys, for two W rooms.	N
106 – 7	W extension and W end of main house. Windows with sandstone jambs, lintels and sills. Modern double glazing.	NW
108 – 9	General, S elevation. Main house is compact two-storey block, with four chimneys in E and W gable ends. Four surviving windows, two on each storey. Central S extension, two storeys, cement rendered brick with pitched slated roof. Large S window on each floor. Entrance door in W wall on ground floor. Small window above. House early 19 th -century? W extension mid 19 th -century? S extension mid 20 th -century.	NW
110	As 108 – 9.	WNW
111	Detail, main house, E roof. Slated in diminishing courses. E chimney stack sandstone ashlar. Leans out to E. Two chimneys for two E rooms.	NW
112	General, S elevation. Small ground floor window in S extension.	WNW
113 - 4	Detail of S extension. Brick exposed under cement render.	WNW
115	N elevation. Exposed walls of main house blank. W extension, single window. Uniform slates. Two N extensions, Lean-to. Single storey, toilet and lobby, felt roof, mid 20 th -century. Two-storey, single window and cellar door.	ESE

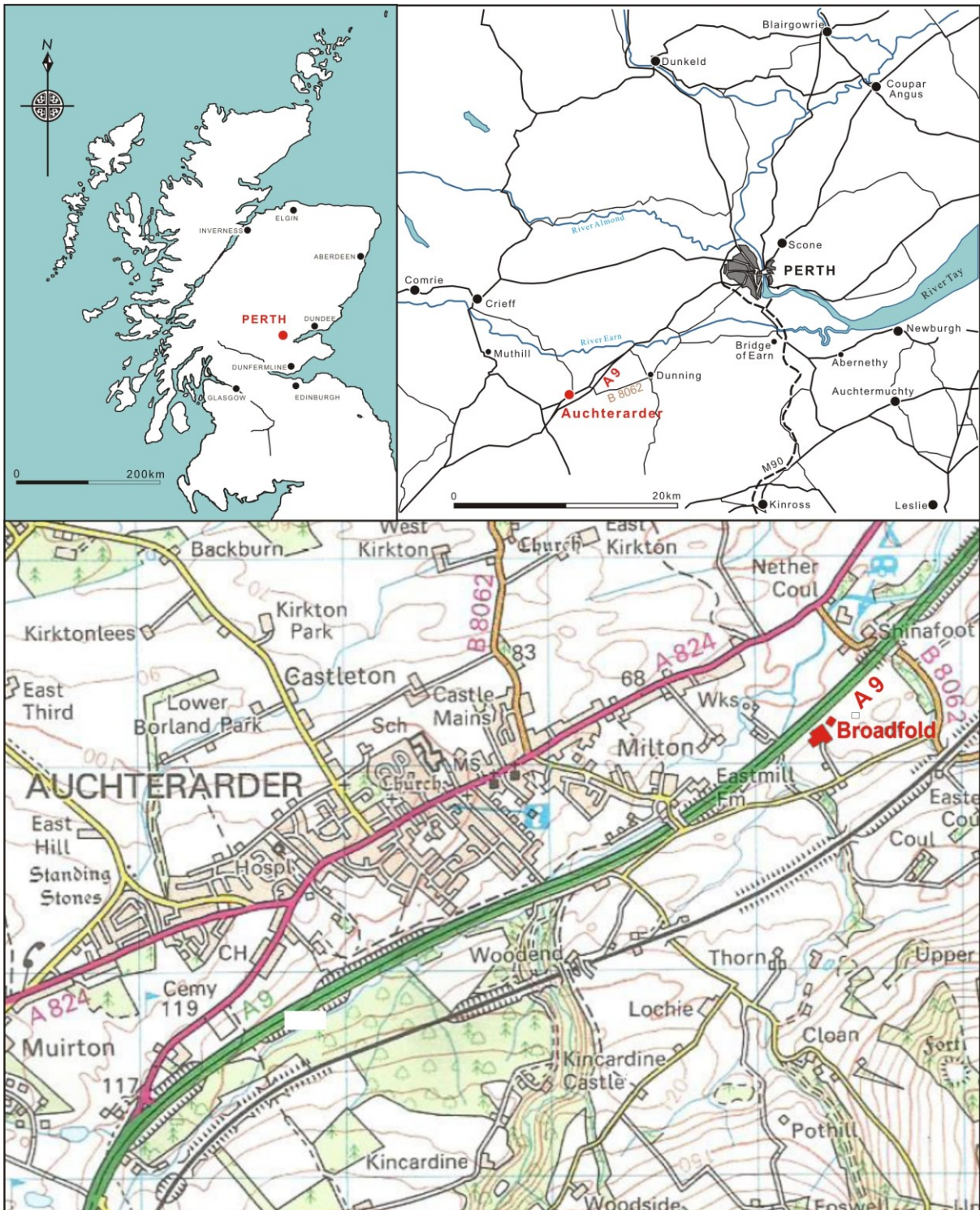
116	General, E elevation. E gable end blank, cement rendered. N elevation where visible is blank. E wall of extension also blank.	S
117	Detail, entrance by single-storey lean-to extension.	S
	14 Farm House Ground Floor	
118	Interior, Single storey extension. Brick. Entry to W extension on L.	NE
119	Interior, W extension. Roughly trimmed timber lintel overhead.	S
120	Interior, W extension. W gable end of main house. Hatch in wall, unknown function. chimney access?	NE
121	Interior, main house, ground floor. Two rooms and central stair. Studs around central stair irregular, roughly trimmed. Suggest early. Floor joist above regular sawn.	NNE
122	Interior, main house, ground floor. E gable wall. Plastered on the hard. Inserted Art Deco fire surround. Sawn floor joists overhead.	NE
123	Detail, Art Deco fire surround in E gable wall. Dook holes in wall plaster, for later lining.	NE
124	Detail, main house, ground floor, S corner. Wall cupboard beside chimney. Machine-sawn floor joists. Newer floorboards above.	E
125	Detail, roughly trimmed studding around central stair. Previously supported lath and plaster.	NE
126	W gable end of main house, with doorways through to W extension and traces of central fireplace and flues.	SW
127	View up central stair. Room off landing in N lean-to extension.	NW
128	View from landing. Down to entrance in S extension. Up to room in S extension. Steep plank stair to loft straight ahead.	SE
	15 Farm House First Floor	
129	First floor W room. Fireplace in W gable wall. Dook holes in walls for plaster lining.	SSW
130	First floor E room. Fireplace in E gable wall. Imprint of mid-late 19 th -century cast iron horseshoe fire surround. Remains of later (Art Deco?) tiled surround. Original plaster on the hard, keyed for finishing coat. Dook holes for later plaster lining.	E
131	Detail of fireplace in E room.	NE
132	Thin, roughly trimmed studs supporting partition separating E room from stair head and S extension.	SSW
133	Junction of S extension with S wall of main house.	S
134	East room and E gable wall.	E
135	Detail of fireplace in E gable wall. Firebrick lining inserted. Remains of black surround.	NE
136	Detail of firebrick lining with LOCHSIDE colliery brick at back.	NE

137	Plank stair to Loft. Worm-eaten. Glass fibre loft insulation.	NW
138	Loft interior. Modern sarking boards on half-round softwood rafters and roughly trimmed collars.	N
139	As 138.	NE
140	As 139. Paper notices pinned to rafters warn there is no floor under the double-layer glass fibre insulation!	WNW
141	Roughly-trimmed softwood ceiling joist exposed above lath and plaster ceiling. Localised loft floor above.	NE
142	As 141. Location at top of stairs. Right, plaster cove cut away for studs of later lining.	NE
	16 Marriage Lintel	
143 – 5	Detail of re-used marriage lintel over blocked doorway in E elevation of W Range. Inscription 17 IA * IB 54 [* = heart symbol].	SW
	17 North Range	
146 – 8	W end of N range. Steel frame, corrugated iron sheeting, arched top. Mid 20 th -century. SW corner partly removed to accommodate Grain Store.	NE

Appendix 1 Discovery & Excavation in Scotland Entry

LOCAL AUTHORITY:	Perth & Kinross
PROJECT TITLE/SITE NAME:	Broadfold Farm, Auchterarder
PROJECT CODE:	AA15
PARISH:	Auchterarder
NAME OF CONTRIBUTOR:	David Bowler
NAME OF ORGANISATION:	Alder Archaeology Ltd
TYPE(S) OF PROJECT:	Historic Building Recording
NMRS NO(S):	-
SITE/MONUMENT TYPE(S):	Farm Steading
SIGNIFICANT FINDS:	-
NGR (2 letters, 8 or 10 figures)	NN 96314 13150
START DATE (this season)	03 rd June 2020
END DATE (this season)	03 rd June 2020
PREVIOUS WORK (incl. DES ref.)	-
MAIN DESCRIPTION: (NARRATIVE) (May include information from other fields)	<p>Alder Archaeology produced a historic building record (site code AA15) of Broadfold Farm, Auchterarder, for Excel Contracts Ltd, in advance of demolition and conversion to residential use. The recording was undertaken on 03rd June 2020.</p> <p>The steading consists of buildings dating from the early 19th century until the early 21st, mostly grouped around a central courtyard, mostly quite dilapidated. One building incorporates a re-used marriage lintel dated 1754. The farm house incorporates roughly trimmed softwood timbers in the roof and internal partition walls. The steading buildings incorporate stalls, vents and wide doors associated with the management of cattle. A mid 20th-century barn seems to have been built mainly with re-used timbers to an ingenious improvised design.</p>
PROPOSED FUTURE WORK:	none
CAPTION(S) FOR ILLUSTRS:	-
SPONSOR OR FUNDING BODY:	Developer
ADDRESS OF MAIN CONTRIBUTOR:	Alder Archaeology Ltd, 55 South Methven Street, Perth PH1 5NX
EMAIL ADDRESS:	director@alderarchaeology.co.uk
ARCHIVE LOCATION (intended/deposited)	HES (intended)

Illus 1 Broadfold Farm, Auchterarder. Location



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Licence number AL 100049514

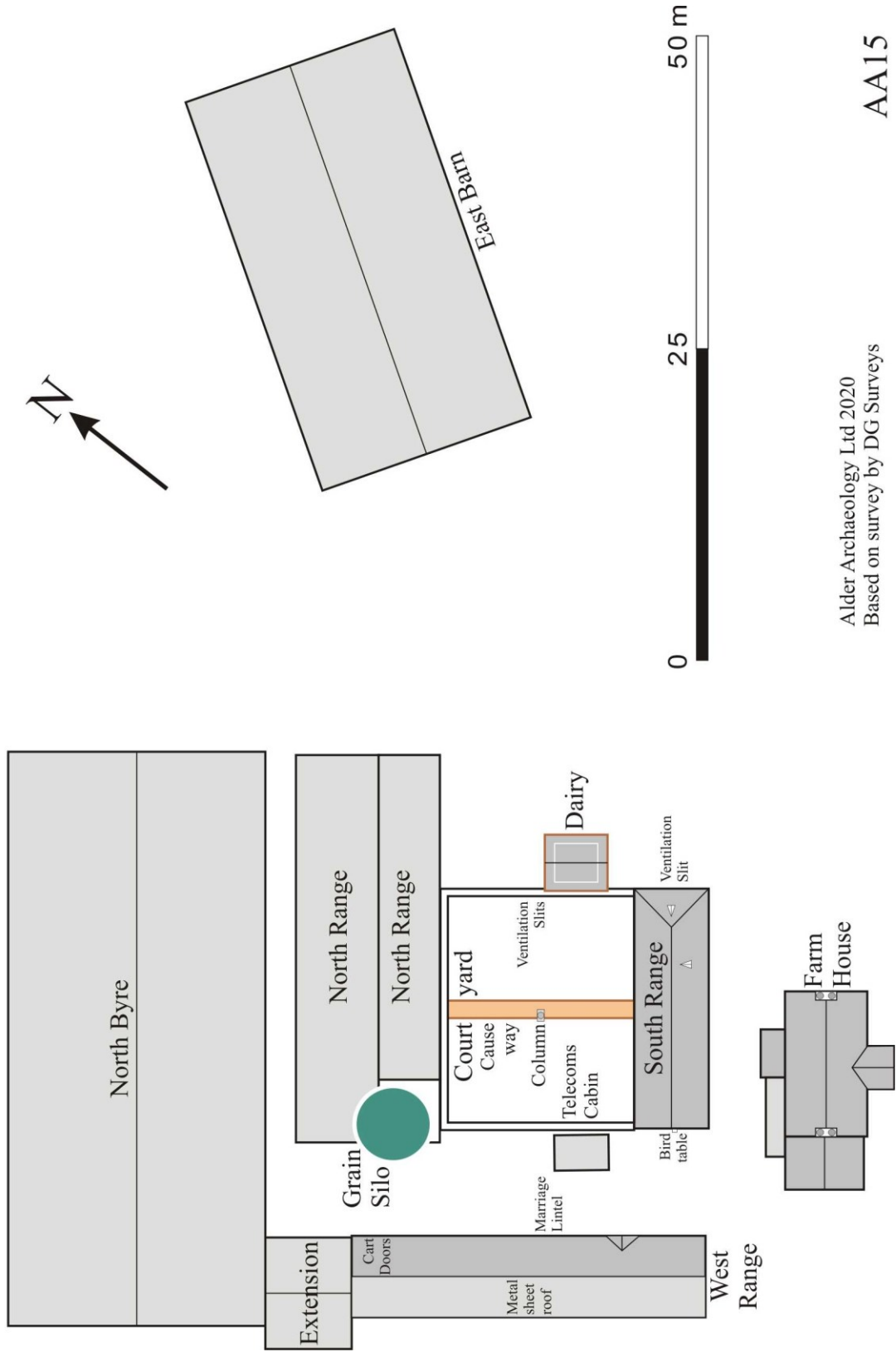
Alder Archaeology Ltd 2020



AA15

Illus 2

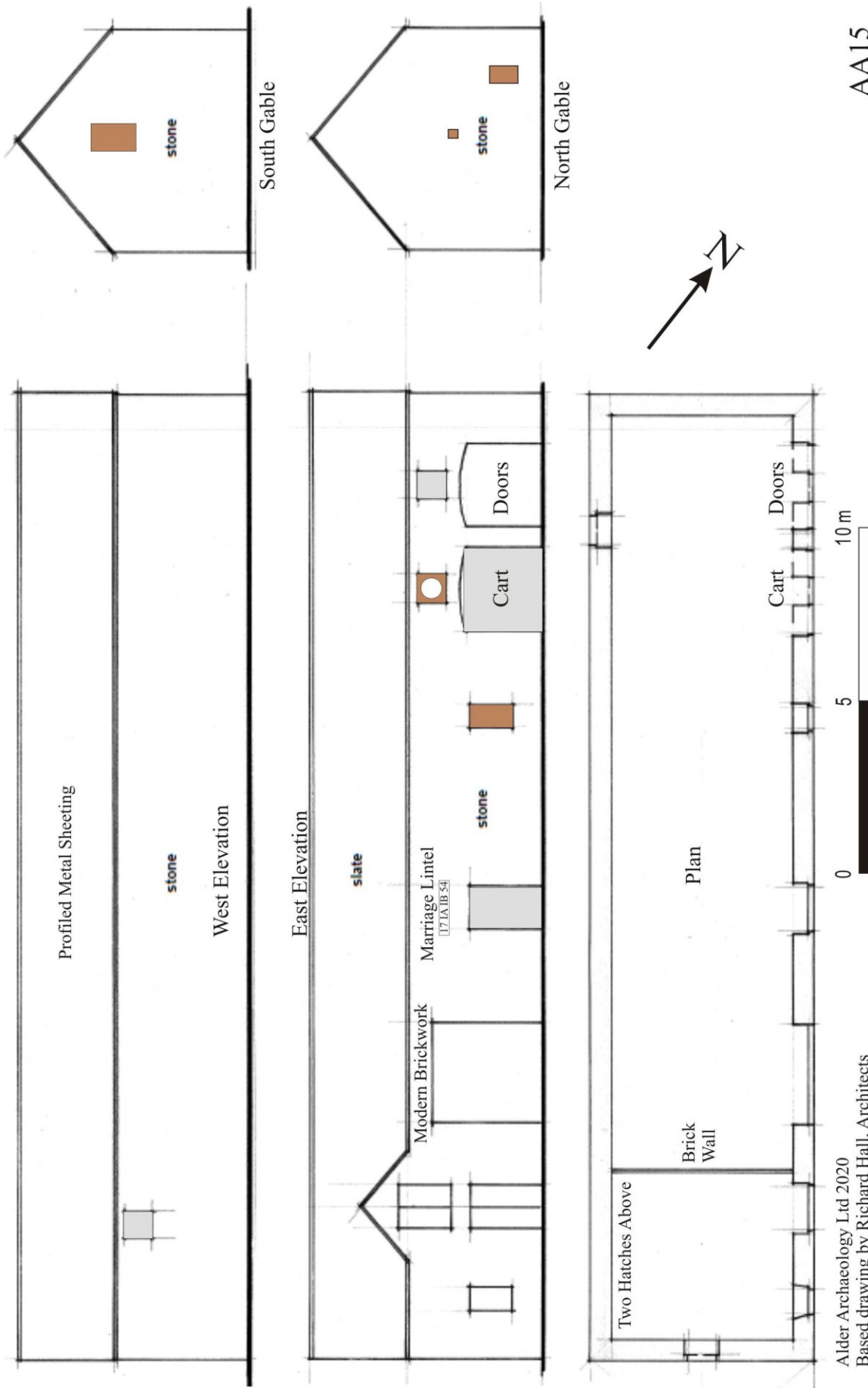
Broadfold Farm, Auchterarder. Layout



Alder Archaeology Ltd 2020
Based on survey by DG Surveys

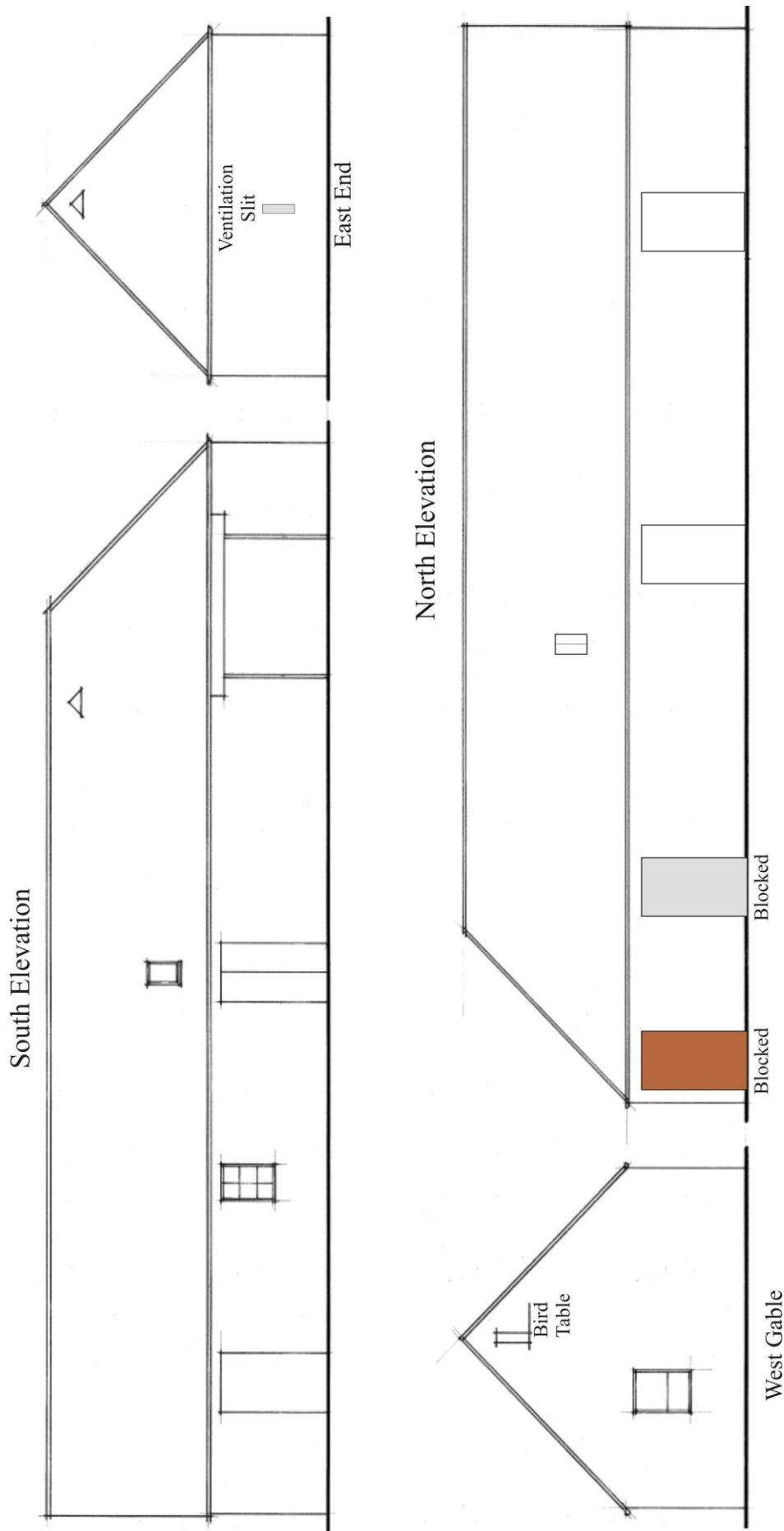
AA15

Illus 3 Broadfold Farm, Auchterarder. West Range



Illus 4

Broadfold Farm, Auchterarder. South Range

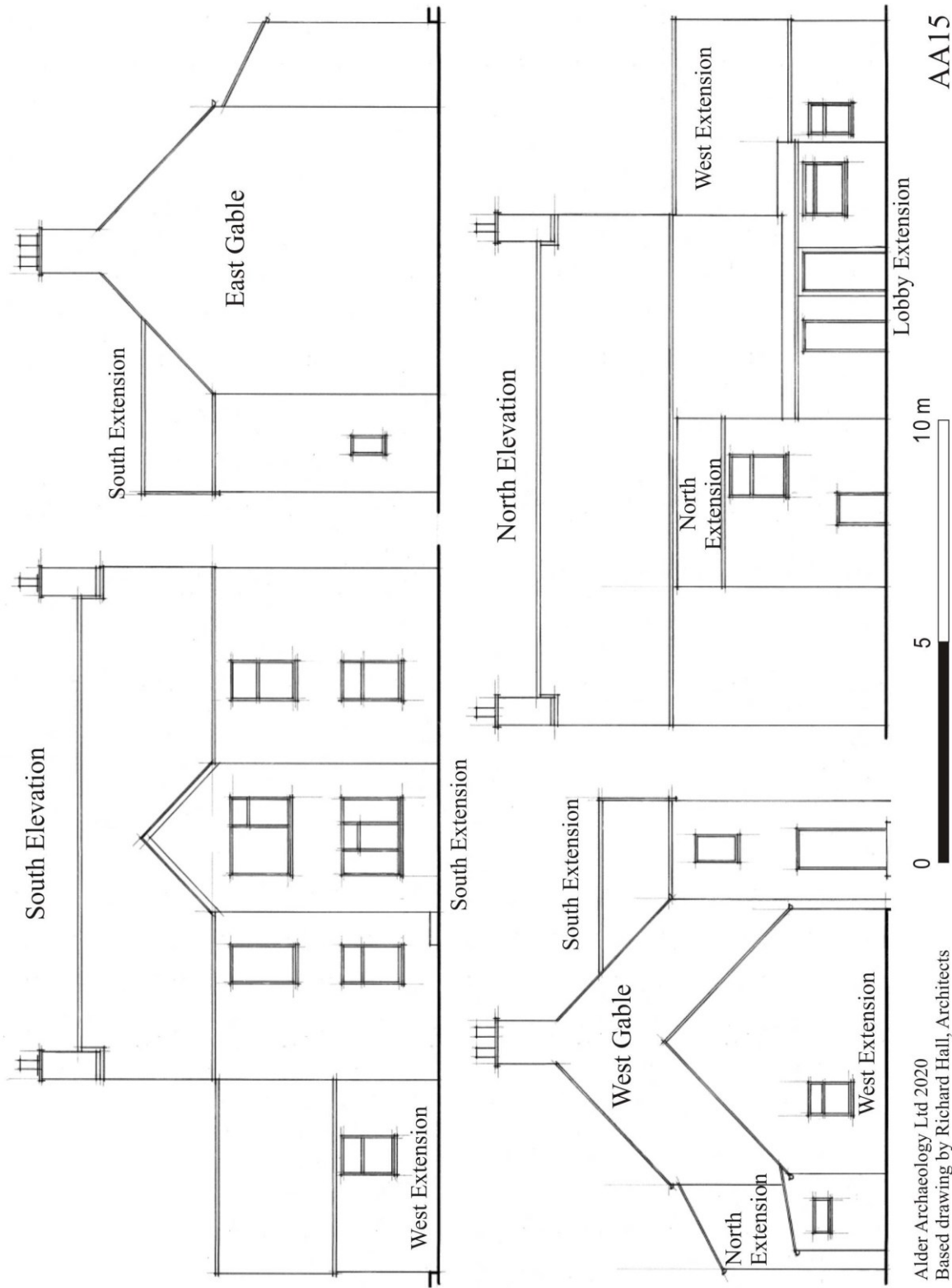


Alder Archaeology Ltd 2020
Based drawing by Richard Hall, Architects



AA15

Illus 5 Broadfold Farm, Auchterarder. Farm House



Alder Archaeology Ltd 2020
Based drawing by Richard Hall, Architects



Illustration 6: General view, N. W Range, Farmhouse, Grain Silo and S Range beyond.



Illustration 7: W Range, S end.



Illustration 8: W Range, N end. Cart doors.



Illustration 9: W Range, detail of re-used marriage lintel.



Illustration 10: The N Byre, E end.



Illustration 11: The Courtyard. Ventilation slits in E wall.



Illustration 12: Detail, cast iron column in Courtyard.



Illustration 13: N Range interior.



Illustration 14: S Range, N elevation.



Illustration 15: S Range, W gable end with 'Bird Table' at apex.



Illustration 16: S Range, interior. Roof timbers at E end.



Illustration 17: The Dairy, S gable end with reduced doorway.



Illustration 18: The Dairy, interior. N gable end with double doorways. Stalls in E wall.



Illustration 19: The E Barn.



Illustration 20: The E Barn, internal structure.



Illustration 21: The Farm House. W gable end and W extension.



Illustration 22: The Farm House. S elevation and S extension.



Illustration 23: The Farm House. N and W elevations with extensions.



Illustration 24: The Farm House. Ground floor interior with central stair.



Illustration 25: The Farm House. Ground floor interior with Art Deco fire surround in E gable wall.



Illustration 26: The Farm House. Access stair / ladder to loft.



Illustration 27: The Farm House. Roof timbers in loft.