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**Hollies Barn, Cargo, Near Carlisle
Standing Building Survey**

Report No. 1543

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1. INTRODUCTION

1.1 General

This report presents the results of a Level 2 standing building survey carried out by CFA Archaeology Ltd (CFA) in August 2008 on behalf of Giles Finnegan at a barn to the rear of the Hollies, Cargo near Carlisle Cumbria (NGR NY 365459 centred on; Fig. 1). A planning condition has been put in place to record the historic barn (County Historic Environment Record No. 41928) in advance of its conversion into a dwelling.

The survey has been carried out in line with the terms of reference presented in a Project Brief supplied by Cumbria County Council.

1.2 Objectives

The objectives of the study were as follows:

1. To carry out a rapid desk-based assessment and place the barn in its historical context.
2. To produce a Level 2 standing building record of the barn.
3. To produce a Historic Building Survey report outlining the results of the work

2. METHODOLOGY

2.1 General

CFA follows Institute of Field Archaeologists Code of Conduct, Standards and Guidelines for Historic Building Survey as appropriate.

2.2 Desk-based Survey

An examination of readily available desk-based sources, namely historical maps (listed in Section 6) and listed buildings information, was carried out prior to the commencement of the standing building appraisal. The Historic Environment Records Officer, County Offices, Kendal was contacted about the Listed Building status.

2.3 Building Survey

A photographic record was maintained during the site survey using digital photography. A catalogue of digital images is included in Appendix 1. The barn has an east and west range and has been assigned individual Unit numbers for the rooms. The external elevation drawings (Figs 3a-d) are based on the architects drawings which have been checked for internal and external accuracy and were found to be correct.

3. DESK-BASED SURVEY RESULTS

3.1 Cartographic record (Fig. 2)

The 1839 Tithe map of Cargo is the earliest map with sufficient detail to show the layout of barn which was then as it is today an L-shaped building. The map shows that the village as a ribbon development, comprising two rows of properties either side of the main road. A series of rectangular fields or enclosures extend from the back of the buildings fronting the road. The SMR considers that this arrangement reflects the medieval pattern of medieval land holdings as well as the post medieval layout (SMR No 40212). The associated tithe map *Schedule* provides details of land ownership and rental values of each of the village properties. The barn was part of a homestead (Property No 11) and orchard 79 acres in extent occupied by William Robinson. The tenancy attracted a parish rental value of £1 7s 3d. which was paid annually to the Vicar of Stanwise. An annual rent of £7 15s was paid to the Dean and Chapter of Carlisle.

The 1865 First Edition Ordnance Survey map shows the barn to the rear of the Hollies set within an area with orchard to the rear. The second edition 1901 and the 1926 Ordnance Survey maps show that the building footprint has remained the same since 1843.

3.2 Listed Buildings Information

The barn is not mentioned in the Listed Buildings of Cumbria (LB SMR 41928) although the Hollies farmhouse is a Grade II Listed Building. The farmhouse dates to the early 19th century and is a two storey building with three bays of windows.

4. STANDING BUILDING SURVEY RESULTS

4.1 General

The barn occupies an L-shaped footprint and is situated to the rear of the Hollies at the centre of the village of Cargo. The barn was part of several other buildings making up a small farmstead in 1835. The barn has a single storey east range comprising two garages. The west range is the main block of the barn and is two storeys high.

The detailed survey results are presented in the following section. Numbers in parenthesis relate to architectural features shown on the elevation drawings (Figs 3a-d) and listed in Appendix 1. For ease of description the barn elevations are normalised to north, south east and west-facing rather than northeast-facing which is the precise orientation.

The internal compartments within the barn have been assigned individual Unit numbers shown on Figs 4a-b.

Selected photographs are shown in Plates 1-11. All the photographs taken are presented as contact sheets 1-5, supported by descriptions in Appendix 2.

4.2 The Exterior

East-facing elevation (Fig 3a, Plates 1 and 3)

The east-facing elevation is 15.3m long and 6.5m high and constructed of red-brick (033) in English garden bond with four stretchers and a single row of headers. Red and cream sandstone quoins (005) are present at the western end. The roof is slate (002) with semi-circular ridge tiles (001). Two glass and Perspex skylights are present (022 and 023). The rain goods are cast-iron (054). At ground floor level there are two arched openings. The larger of the two occupies the centre of the elevation and has a three-pointed segmented arch with brick voussoirs (030) and ashlar sandstone surrounds (031). A double-leafed, plank-built door (029) is present. The smaller arched opening is also three-pointed with brick (028) and ashlar surrounds (027). A double-leafed plank-built door is present. Between the arched openings at ground floor level there is a stone foundation course (037). On the left-hand side of the largest arched opening there is a plank-built door (032). At the first floor level there are two square-headed window openings (024 and 025). Both have brick surrounds and sandstone sills.

The elevation also includes the gable of the single storey garages on the west range. The gable is built of coursed rubble sandstone (035) with ashlar dressings (016 and 055). The roof is slate (014) with stone ridge tiles (013). A slit vent is present (034) on the right hand side of the elevation. At the centre of the gable is a property boundary wall (036).

North-facing elevations (Fig 3b, Plate 2)

The north-facing elevation includes the west-range garage entrance and the gable of the barn. The brick-built boundary wall adjoins the east end of the elevation (036). The ashlar surrounds on the gable (016) and partition wall (017) and those to the left (018) of a plank-built door (020) with sandstone lintel (054) are all broached sandstone. A steel Accro prop (019) supports a wooden beam (015) that in turn supports the A-frame timber roof trusses.

The main build of the northwest-facing gable of the barn is constructed of cream sandstone (006) with ashlar quoins (005). The pined gable roof is slate (002) with tiled ridges (001). The rain goods (003 and 004) are cast-iron. Two plank-built doors (009 and 010) are present on the ground floor divided by ashlar sandstone between them. Each door has ashlar sandstone surrounds (011 and 012).

West-facing elevation (Fig 3c, Plate 2)

The west-facing elevation represents the rear of the barn and is constructed of coursed sandstone (043) with ashlar quoins (005). The principal features include ten slit vents (039) and four square-headed windows (038 and 040). A metal fitting (052) is present below the topmost window (040), its function is not clear. At the base of the elevation there is a patch of brick blocking work (042) and a circular aperture (051) that extends through the wall.

South-facing elevation (Fig 3d)

The south-facing elevation includes the barn gable and the rear of the garages. The barn gable is built of coursed sandstone blocks with a mortar bond (050) with ashlar quoins (005). Six slit-vents (045) are present within the wall. The roof is pined and covered with slate (002) with ridge tiles (001). The adjoining west range has a stone-built wall (049) with ashlar quoins (056) and incorporates three slit-vents (050). A stone-built boundary wall (046) projects off the elevation. A six-paned rectangular window (047) is also present. The slate roof (014) has a glass and timber-framed skylight (048).

4.3 The Interior

Table 1 presents a summary of the various elements (Units A to J) of the barns interior. More detailed descriptions are presented in the paragraphs below the table.

| Unit No | Dimensions | Function |
|----------------|--------------------------|-----------------|
| Unit A | 3m x 2.05m | Storeroom |
| Unit B | 3m x 1.5m | Storeroom |
| Unit C | 3m x 2.9m and 2.6m x 1.5 | Storeroom |
| Unit D | 7.5m x 7.3m | Barn |
| Unit E | 2.2m x 1.5m | Storeroom |
| Unit F | 8.5m x 3.6m | Byre |
| Unit G | 4.7m x 2.8m | Garage |
| Unit H | 4.05m x 5.05m | Garage |
| Unit I | 7.05m x 3.6m | Loft |
| Unit J | 6.9 x 3m and 2.6m x 1.5m | Loft |

Table 1 Unit dimensions and function in Figs 4a-b.

Unit A Storeroom (Fig 4a)

Unit A is situated at the corner of the west gable and is lit by a window (038) on the west-facing gable. A simple wooden shelf occupies the corner of the room. The floor is concrete and the walls have been whitewashed. A wooden shelf is present on the rear wall. The ceiling is panel boarded.

Unit B Storeroom (Fig 4a)

Unit B is situated at the centre of the west gable and is windowless. The floor is concrete. The walls are featureless and whitewashed.

Unit C Storeroom (Fig 4a)

Unit C is L-shaped in plan and incorporates the walls of Unit B which are brick and rubble built and whitewashed. The main entrance is the smaller of the arched openings (028). The timber floor joists of the loft space above are visible. The floor is mainly concrete with cobble and brick within the northern half of the unit.

Unit D Barn floor (Fig 4a, Plate 8 and 9)

The barn floor is open plan. Unit D is open to the roof. At the north end of the barn a set of brick and stone steps lead up to the loft space. The east facing elevation is mainly whitewashed stone with occasional brickwork visible at the south end. The floor includes flagstones, concrete and mortar and clay. It is likely that flagstones covered the whole of the barn interior.

Inserted into the rubble-built west-facing elevation is a wooden frame supporting two bearings for supporting drive-shafts associated with either a threshing device or cattle cake crusher. Below this feature there is an aperture through the wall which may mark the position of an early horse-engine drive shaft. The 1865 First Edition map shows the position of a circular horse-engine house built against the west-facing elevation. No scars from this feature such as roof raggles or sockets are visible on the external elevation.

Unit E Storeroom (Fig 4a)

Unit E is a small storeroom located on the south side of the main arched doorway and is constructed from brick. The unit is accessed via the plank-built door on the east-facing elevation. The store is windowless with whitewashed brick walls and concrete floor.

Unit F Former Byre (Fig 4a)

Unit F is a rectangular in shape with three slit vents on the south-facing interior wall. The floor bears evidence of stalling with two rows of brick laid in cobbles which suggests the position of animal stalls. There are two entrances to the byre with one on the north-facing elevation (feature 20) and one at the west end. A window on the west elevation lights the byre. The timbers used in the roof appear to suggest re-use from an earlier cruck-framed structure.

Unit G Garage (Fig 4a)

This unit was last used as a garage but the presence of slit vents in the south-facing elevation (Feature 050) suggest that during the 19th and early 20th centuries the unit was used as an animal house. The partition wall between units G and F is very low suggesting that it may either be secondary or reduced in height. The entrance to the garage is on the north facing elevation. The floor is cobbled and hard compacted earth.

Unit H Garage (Fig 4a)

Unit H has a large bay opening and is opposite a large window on the rear wall (047). The presence of slit vents on the east gable wall suggest that it was originally used as an animal house and later used as an implement shed and garage. The roof timbers have been renewed but the main purlins running laterally across the unit appear to be original. These are incorporated into the fabric of the gable. Mortise joints point to the position of

Unit I Loft Fig 4b)

Unit I is loftspace above Unit F, the byre and is accessed by a wooden staircase from the ground floor. Three slit vents are present on the south facing elevation with another on the west-facing elevation. To the right of this vent is a window. The timber floor is a 20th century replacement for an earlier timber floor that rested on tie beams of the A-frame trusses.

Unit J Loft (Fig 4b)

The loft occupies an L-shaped plan and is lit by three windows and is accessed via a brick and stone-built stair. The stair leads to a doorway inserted in the partition wall. A second door overlooks the main barn entrance and its position suggests that it was a pitching door for loading directly from a large dray or cart.

4.4 Roof construction (Plate 11)

The East Range garages (Units G and H) have A-frame trusses with lap-jointed purlins that appear to have been reused from an earlier building. The shape of these timbers is highly irregular suggests that they were once part of a cruck-framed roof. The common rafters supporting the slates are probably later than the main build. The rafters rest directly on the wall head.

The barn roof is supported on A-frame trusses (Fig 3c, Plate 11) that rest directly on the wall head. These are machine-sawn timbers with carved king posts which are tied by iron bolts. The scarfe-jointed trusses support the large through purlins that are formed from large rounded branch wood. The piended roof configuration on each gable wall requires the timbers to be braced at the corners. Here cross-braces straddle the corners and carry the main trusses.

The bolted king-post A-frame trusses are probably late 19th century in date and have replaced an earlier A-frame truss arrangement, elements of which, namely the purlins, were in a suitable condition to be re-used. When the new roof was introduced the brick partition walls were built on existing rubble walls that may not have been carried through to the roof space.

5. DISCUSSION

The barn was at the centre of a farmstead shown first on the 1839 tithe map (Fig 2a). The current layout of the barn suggests that it has remained largely unaltered from its construction during the early 19th century. The barn was used for a combination of different activities within the farmstead, with feedstuffs stored in the loftspace above the byre. The large bay arched opening allowed the large agricultural carts to be brought in and storage crops pitched through the doorway in Unit J.

The main changes that have occurred appear to be to the roof and to the partition walls. The present barn roof is an amalgamation of late 19th century A-frame trusses that incorporate timbers from an earlier phase of roof. The internal brick partition walls within the barn are later inserts and have been carried up through and over the

current A-frame trusses to replace an earlier loft floor that was present at tie-beam height.

There is evidence of two phases of power-generation for crushing animal feedstuffs (cattle cake which was supplied to farms as hard blocks had to be crushed before it could be used). The first is represented by a hole in the base of the west-facing elevation (Feature 051) and is related to a circular horse engine that is shown only on the 1865 Ordnance Survey map. The horse engine was removed before the survey of the 1901 Ordnance survey map. The second form of power-generation was belt driven shafts that ran through the wall supported on two bearing plates (see Plate 10) housed in a wooden frame and inserted in the barn wall. These are probably early 20th century in date; the primary power source probably being a small diesel engine housed outside the barn.

6. REFERENCES

Cumbria Sites and Monument Record No 40212

Cumbria Sites and Monument Record No 41928

Ordnance Survey 1865 First Edition Sheet XV1.14

Ordnance Survey 1901 Second Edition Sheet XV1.14

Ordnance Survey 1926 Third Edition Sheet XV1.14

Tithe Map of 1839, Cargo Village. DRC 8/42 CCRO

APPENDIX 1: BUILDING CONTEXT LIST

| Context | Component | Element | Summary description |
|---------|---|------------|--|
| 001 | West Range | Roof | Slate tile ridge |
| 002 | West Range | Roof | Slate tile roof, diminishing courses |
| 003 | West Range | Rain goods | Iron guttering |
| 004 | West Range, Northwest facing | Rain goods | Down pipe |
| 005 | West Range, Northwest facing & Southwest facing | Fabric | Dressed Quoins, pale sandstone |
| 006 | West Range, Northwest facing | Main Build | Coursed sandstone blocks bonded with sandy mortar |
| 007 | West Range, Northwest facing | Window | First floor window with dressed sandstone surrounds |
| 008 | West Range, Northwest facing | Fabric | Dressed Quoins, bigger than 005,012 & 011, pale sandstone |
| 009 | West Range, Northwest facing | Door | Softwood 'thin planked' door on long iron hinges, with dressed sandstone surrounds. Internal latch for locking |
| 010 | West Range, Northwest facing | Door | Softwood 'thick planked' door on small iron hinges, with dressed sandstone surrounds. |
| 011 | West Range, Northwest facing | Fabric | Dressed Quoins, red sandstone, similar to 031,027, Showing Broached work. |
| 012 | West Range, Northwest facing | Fabric | Stressed Quoins, pale sandstone, some have been replaced with newer red sandstone dressed quoins |
| 013 | East Range | Roof | Slate tile ridge |
| 014 | East Range | Roof | Slate tile roof, diminishing courses |
| 015 | East Range, Northwest facing | Roof | Wooden beam |
| 016 | East Range, Northwest facing | Fabric | Dressed Quoins, pale sandstone, slightly stressed |
| 017 | East Range, Northwest facing | Fabric | Dressed Quoins on dividing internal gable wall. Pale sandstone. Stone 'inset' for double hinged door |
| 018 | East Range, Northwest facing | Fabric | Dressed Quoins, red sandstone, Showing Broached work. |
| 019 | East Range, Northwest facing | Door | Supporting metal pole |
| 020 | East Range, Northwest facing | Door | 'Picket fenced' door, bolt hinged on left side only |
| 021 | East Range, Northwest facing | Door | Wooden frame for double-leafed doors. |
| 022 | West Range, Northeast facing | Skylight | Patchy glass skylight, set into tiled roof |
| 023 | West Range, Northeast facing | Skylight | Single paned skylight, set into tile roof |
| 024 | West Range, Northeast facing | Window | First floor square window with brick surrounds and a brick arch for the lintel |
| 025 | West Range, Northeast facing | Window | First floor window with brick surrounds and a brick arch for the lintel. Larger than 024 |
| 026 | West Range, Northeast facing | Door | Double arched wooden planked door. Vertical planks with horizontal panel at the bottom. Double bolts as hinges, on either side |
| 027 | West Range, Northeast facing | Fabric | Dressed Quoins, red sandstone, Showing Broached work. |
| 028 | West Range, | Door | Brick Arch above door 26, central dressed pale |

| Context | Component | Element | Summary description |
|---------|---------------------------------|-----------------|--|
| | Northeast facing | | sandstone feature- tapering |
| 029 | West Range, Northeast facing | Door | Large Wooden planked, arched door. Double bolted doors with an internal hinged door |
| 030 | West Range, Northeast facing | Fabric | Brick Arch above door 29, central dressed pale sandstone feature- tapering |
| 031 | West Range, Northeast facing | Fabric | Dressed Quoins, red sandstone, Showing Broached work. |
| 032 | West Range, Northeast facing | Door | Single planked door with inner latch |
| 033 | West Range, Northeast facing | Main Build | Red brick, varying in colour from orange/red to red/brown. |
| 034 | East Range, Northeast facing | Slit vent | Stone lined slit vent at gable end of east range. Brick surround and pale sandstone lintel and sill |
| 035 | East Range, Northeast facing | Main Build | Mostly rough dark pebbles with red brick and sandstone in-between |
| 037 | West Range, Northeast facing | Foundation | Pale sandstone horizontal foundation stones between two arched openings |
| 038 | West Range, Southwest facing | Window | Red sandstone with broached surrounds. Lower window retains wooden frame and vertical planks |
| 039 | West Range, Southwest facing | Slit vents | Stone lined slit vents |
| 040 | West Range, Southwest facing | Window | First floor window, Stone surrounds |
| 041 | West Range, Southwest facing | Window | Blocked slit vent hidden by inserted bearing box on the interior of the barn |
| 042 | West Range, Southwest facing | Scar | Brick blocking measuring 0.75m by 0.85m |
| 043 | West Range, Southwest facing | Main Build | Coursed sandstone blocks bonded with sandy mortar |
| 044 | West Range, Southeast facing | Main Build | Lower gable end made up of 80% rough pebbles and sandstone. Upper end patchy with red brick in places and sandstone. |
| 045 | West Range, Southeast facing | Slit vents | Brick lined slit vents |
| 046 | West Range, Southeast facing | BoundaryWall | Stone boundary wall |
| 047 | East Range, Southeast facing | Window | 6 paneled wooden framed window, Wooden Lintel |
| 048 | East Range, Southeast facing | Skylight | Wooden framed skylight. |
| 049 | East Range, Southeast facing | Main Build | Mostly rough dark pebbles with red brick and sandstone in-between |
| 050 | East Range, Southeast facing | Slit vents | Brick lined slit vents |
| 051 | West Range, Southwest facing | Scar/ Machinery | Opening in stonework, related to possible horse engine? |
| 052 | West Range, Southwest facing | Machinery | Metal fitting in stonework |
| 053 | West Range, Northwest facing | Rain goods | Well/drain. Stone lined. |
| 054 | East Range, Northwest facing | Window | Large red sandstone lintel above side opening to barn |
| 055 | East Range, Northeast facing | Door | Two large metal bolts for a fence, gate |

APPENDIX 2: PHOTOGRAPHIC RECORD

| Shot | Initial | Context/description | Taken from |
|------|---------|---|------------|
| 001 | LW | West Range, middle section | SW |
| 002 | | West Range, north end | SW |
| 003 | | West Range, south end | SW |
| 004 | | West Range | SW |
| 005 | | West Range | SW |
| 006 | | General Shot of West Range | S |
| 007 | | General Shot of West Range | NW |
| 008 | | General Shot of West Range | NW |
| 009 | | Hipped end of West Range | NW |
| 010 | | Hipped end of West Range | NW |
| 011 | | Drain/well feature | NW |
| 012 | | General Shot of West Range | N |
| 013 | | Hipped end of West Range, east end | NW |
| 014 | | General Shot of West Range | N |
| 015 | | West Range, north end showing brick arch | NE |
| 016 | | West Range, middle, showing brick arch | NE |
| 017 | | West Range, south end showing brick arch | NE |
| 018 | | West Range, south end showing brick arch | NE |
| 019 | | General shot of Farm steading | N |
| 020 | | East Range, west end | NW |
| 021 | | East Range, middle | NW |
| 022 | | East Range, east end | NW |
| 023 | | East Range, east end | NW |
| 024 | | East Range, gable end | NE |
| 025 | | General shot of Unit H | NW |
| 026 | | Unit H, northwest facing internal wall | NW |
| 027 | | Unit H, northwest facing internal wall | NW |
| 028 | | Unit H, gable dividing wall | NE |
| 029 | | Unit H, gable wall | SW |
| 030 | | General shot of Unit G | N |
| 031 | | Unit G, interior shot | NW |
| 032 | | Unit G, interior shot | NE |
| 033 | | General shot of Unit F | SW |
| 034 | | Unit F, interior shot | NW |
| 035 | | Unit F, interior shot | NW |
| 036 | | Unit F, interior shot | NW |
| 037 | | Unit F, interior shot | NE |
| 038 | | Unit F, interior shot | SW |
| 039 | | General shot of Unit F looking over to Unit G | E |
| 040 | | Floor detail in Unit F | NW |
| 041 | LW | Floor detail in Unit F | SW |
| 042 | LW | General shot of Unit D | SE |
| 043 | | Roof detail in West Range | SE |
| 044 | | Roof detail in West Range | SE |
| 045 | | Unit D, Interior shot | NE |
| 046 | | Horse engine mechanics | NE |
| 047 | | Horse engine mechanics | NE |
| 048 | | Stone slabs below horse engine. Floor detail | NE |
| 049 | | Unit D, Interior shot | NW |
| 050 | | Unit D, Interior shot | NW |
| 051 | | Unit D, Interior shot, stairway | SW |
| 052 | | Unit D, Arched entrance | SW |
| 053 | | General shot of Unit D | S |

| | | | |
|-----|----|---|----|
| 054 | | Roof detail showing beam 'built' into brick, Unit D | S |
| 055 | | General shot of Unit J, showing doorway above arched entrance in Unit D | NW |
| 056 | | General shot of Unit J | S |
| 057 | | General shot of Unit J | E |
| 058 | | General shot of Unit J | E |
| 059 | | General shot of Unit J | S |
| 060 | | Roof Detail above unit J | NW |
| 061 | | Roof Detail above unit J | NW |
| 062 | | Roof detail above entrance to Unit J | N |
| 063 | | Unit D, Roof Structure, King posts on beam | N |
| 064 | | Unit D and Unit I, general shot | N |
| 065 | | General shot of Unit D | NE |
| 066 | | Unit I, interior shot | NE |
| 067 | | General shot from Unit I looking over towards Unit J | SE |
| 068 | | Corner Roof detain in Unit I | NE |
| 069 | | Wooden staircase leading to Unit I from Unit F | NE |
| 070 | | Unit E, Interior shot | N |
| 071 | | Unit C, Interior shot | NW |
| 072 | | Unit C, Interior shot | NW |
| 073 | | Unit C, Interior shot, floor detail | NW |
| 074 | | Unit C, Interior shot, showing first floor beams | SE |
| 075 | | Unit C, Interior Shot | NE |
| 076 | | Certificates for Gaming pinned to floor joists | NE |
| 077 | | Certificates for Gaming pinned to floor joists | NE |
| 078 | | General shot showing double arched brick door | N |
| 079 | | General shot of Unit A | N |
| 080 | | General shot of Unit A | N |
| 081 | | General shot of Unit A | NE |
| 082 | | General shot of West Range | S |
| 083 | | Door detail of Unit B showing read sandstone quoins | NW |
| 084 | LW | Cobbling surface outside West Range | N |
| 085 | LW | Concrete hard standing in Courtyard | N |
| 086 | | Quoin detail and drain pipe, west range | NE |
| 087 | | Roof detail in Unit H | NW |
| 088 | | Roof detail in Unit H | W |
| 089 | | Roof detail in Unit H | S |
| 090 | | Roof detail in Unit H | SW |
| 091 | | Roof detail in Unit G | N |
| 092 | | Roof detail in Unit G | W |
| 093 | | Roof detail in Unit G | NW |
| 094 | | Roof detail in Unit G | SE |
| 095 | | Carpentry marks in lintel, above door 20 | N |
| 096 | | Roof detail in Unit G, looking over to Unit F | NW |
| 097 | | Carpentry marks in beam, Unit F | NW |
| 098 | | Carpentry marks in beam, Unit F | S |
| 099 | | Slots in overhead beam, Unit F | SW |
| 100 | | Uneven beam with cut marks, next to wooden steps, Unit F | N |
| 101 | | Drain pipe detail, West Range | NW |
| 102 | | Drain detail with dressed stone surround | NW |
| 103 | | Drain detail with dressed stone surround | NW |
| 104 | | Drain detail with dressed stone surround | NW |
| 105 | | Roof detail showing skylights, west range | NE |
| 106 | | Boundary wall 036 | W |
| 107 | | Boundary wall 036 | N |
| 108 | | Brick blocking in West Range | W |

| | | | |
|-----|----|--|----|
| 109 | | Small hole in stonework, horse engine? | W |
| 110 | | General shot of West Range | S |
| 111 | | Bearing box inserted into the barn wall | NE |
| 112 | | Close up on a hole for drive shaft from the horse engine | NE |
| 113 | | Close up on a hole for drive shaft from the horse engine | NE |
| 114 | | Bearing box inserted into the barn wall | NE |
| 115 | | Bearing box mid way up the barn wall | NE |
| 116 | | Distance shot of the bearing box on the barn wall | NE |
| 117 | | Oblique shot of upper bearing box on the barn wall | E |
| 118 | | Double hinged bolts for gate? East Range | NE |
| 119 | | Door 20 on East Range | NW |
| 120 | | Hipped end of West Range | NW |
| 121 | | Hipped end of West Range | NW |
| 122 | | Hipped end of West Range | NW |
| 123 | | Hipped end of West Range | NW |
| 124 | | Hipped end of West Range | NW |
| 125 | | General shot of West Range | N |
| 126 | | Hipped end of West Range | NW |
| 127 | | Hipped end of West Range | NW |
| 128 | LW | General shot of West Range | NW |



Plate 1 - General view of the east-facing elevation of the barn



Plate 2 - General view of the west-facing elevation and barn gable



Plate 3 - Close-up of the two arched barn doorways

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Plates 1-3

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Plate 4 - General view of the garage doorways on the east range



Plate 5 - East range gable and boundary wall



Plate 6 - Interior shot of Unit H


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Plate 7 - Interior shot of Unit G



Plate 8 - Interior of the barn looking south



Plate 9 - Interior of the barn looking west



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| | Title: Plates 7-9 | | | | |
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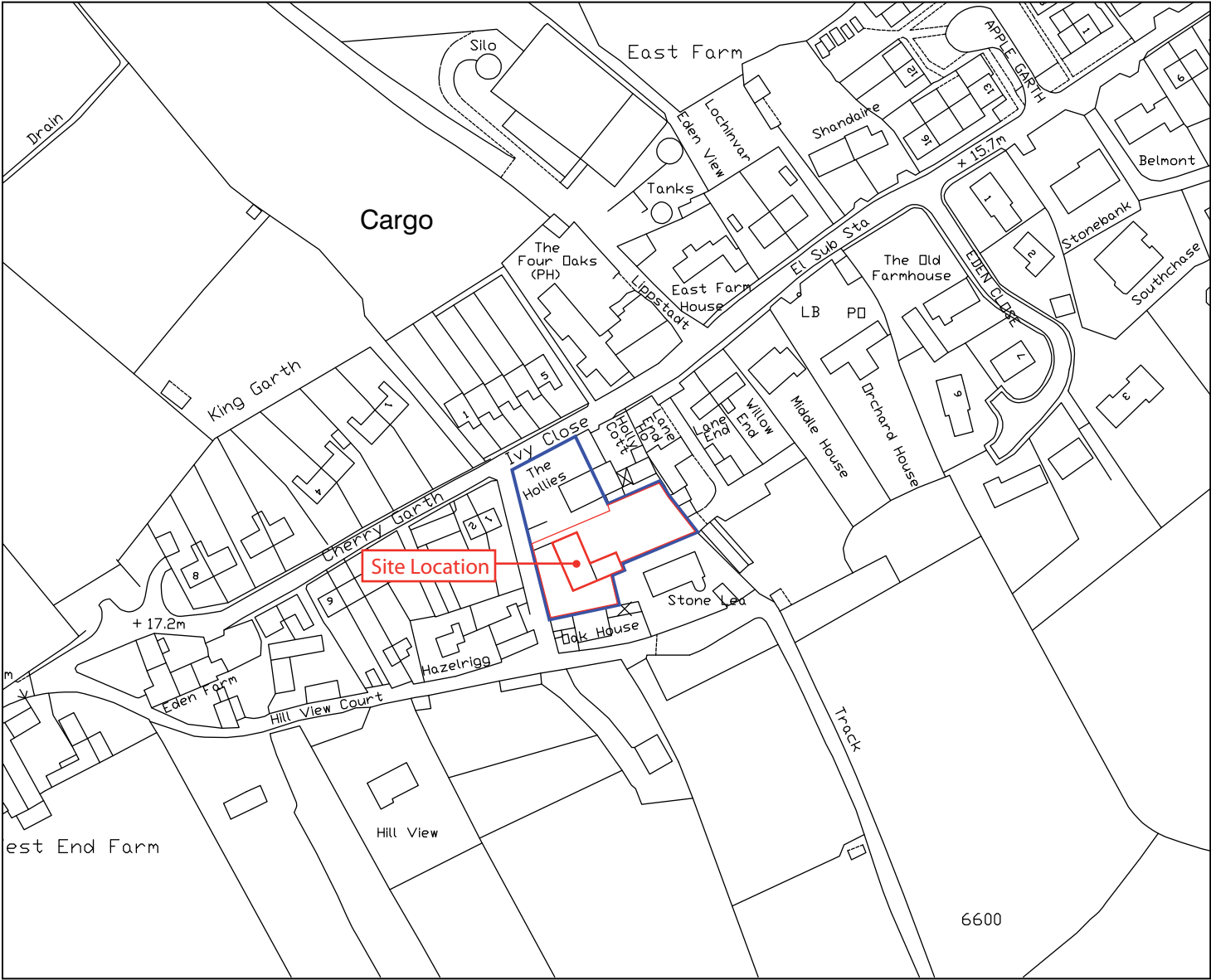


Plate 10 - Oil stained bearing plate inserted in the barn wall



Plate 11 - General view of the A-frame roof structure

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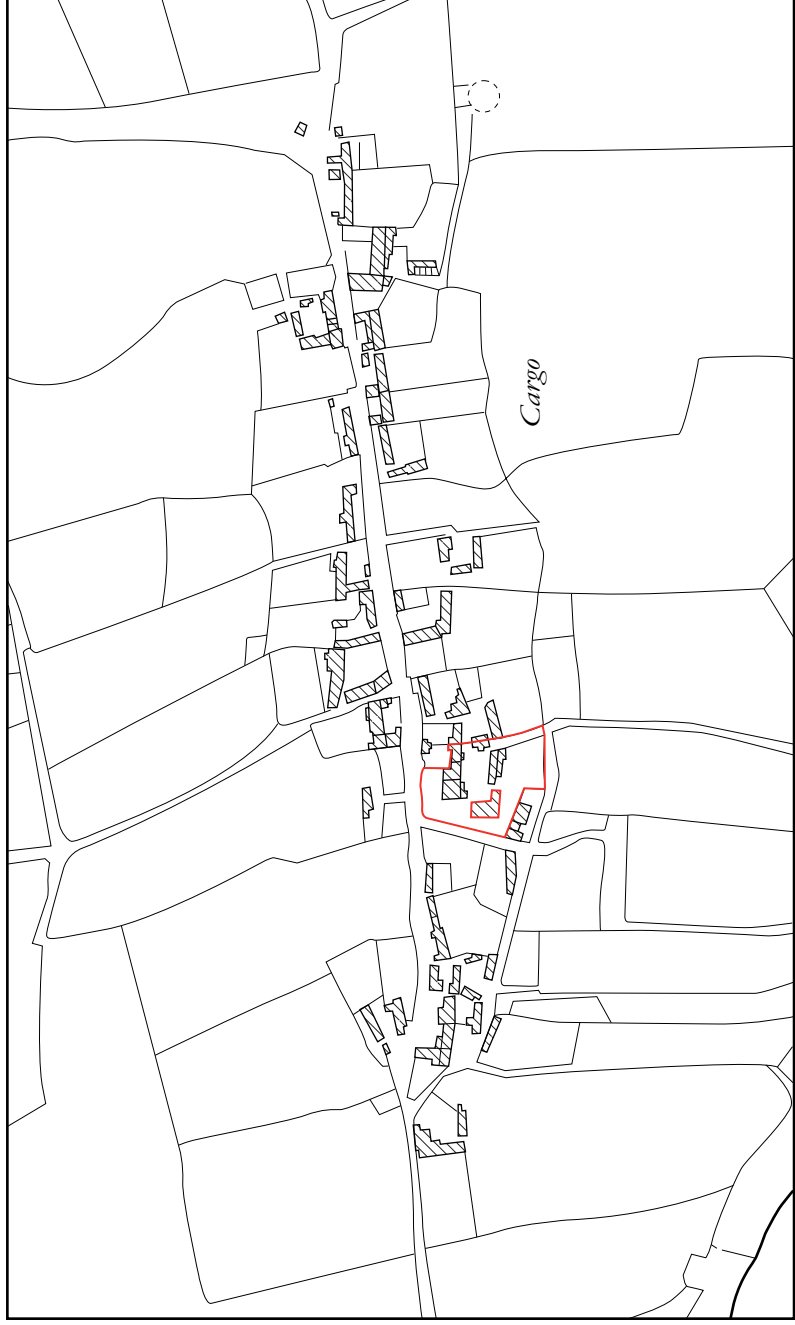


Fig 2a - Tithe Map, 1839

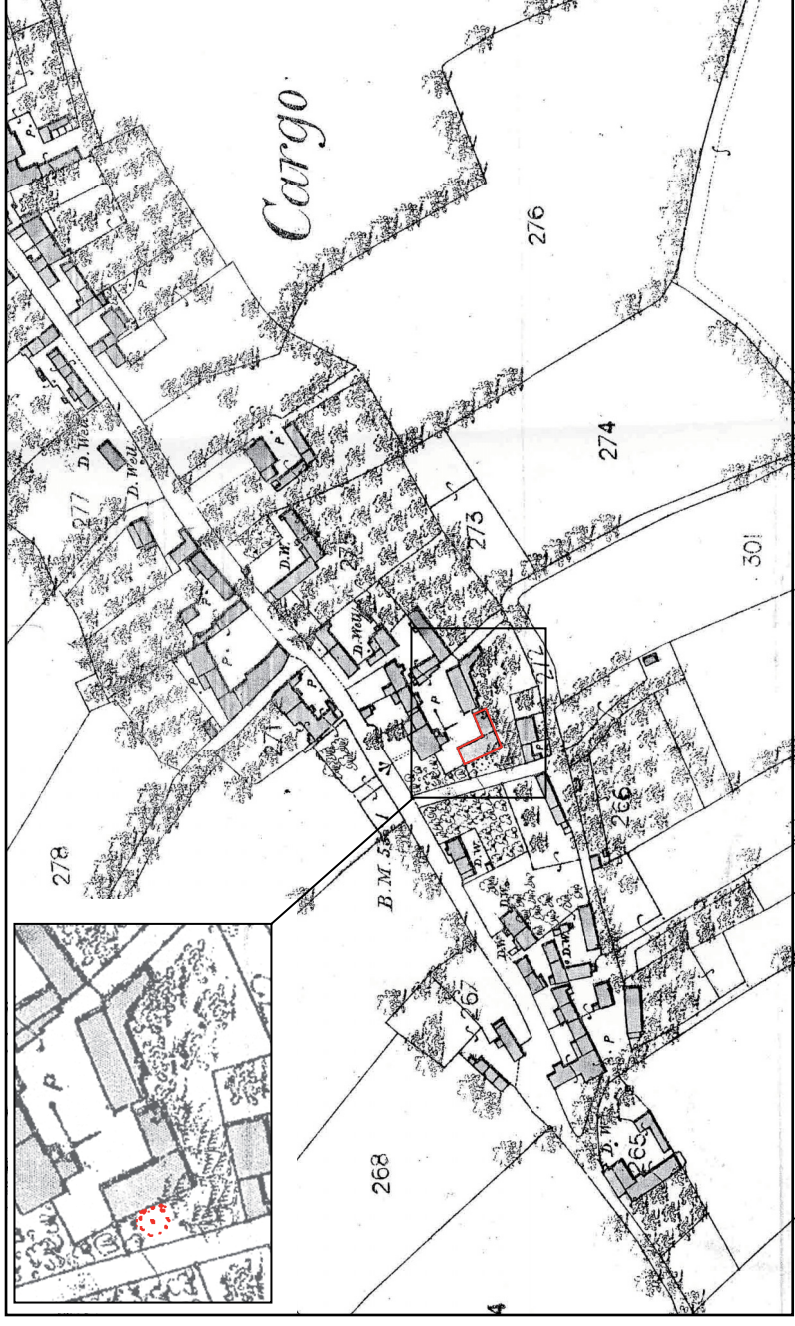


Fig 2b - 1st Edition Ordnance Survey, 1865. Enlarged area showing Horse-Engine

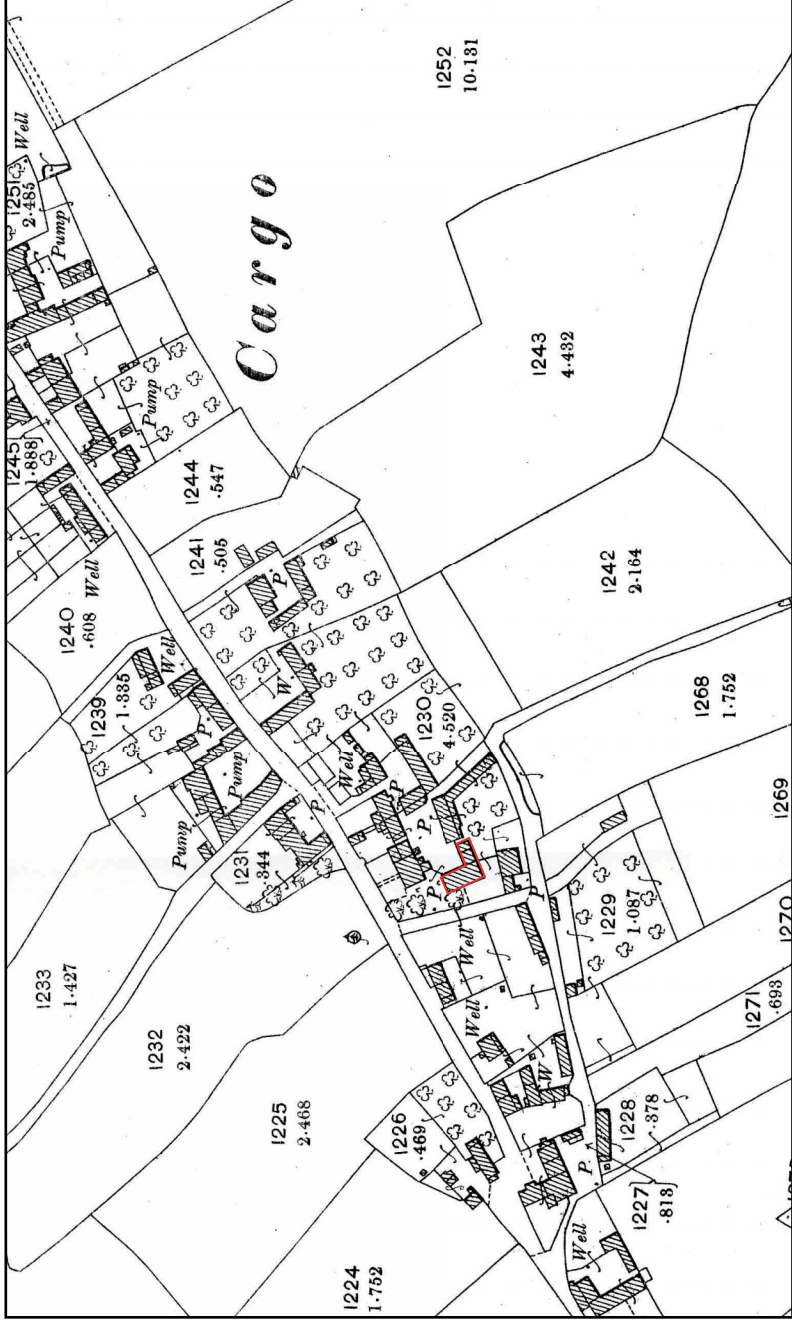


Fig 2c - 2nd Edition Ordnance Survey, 1901

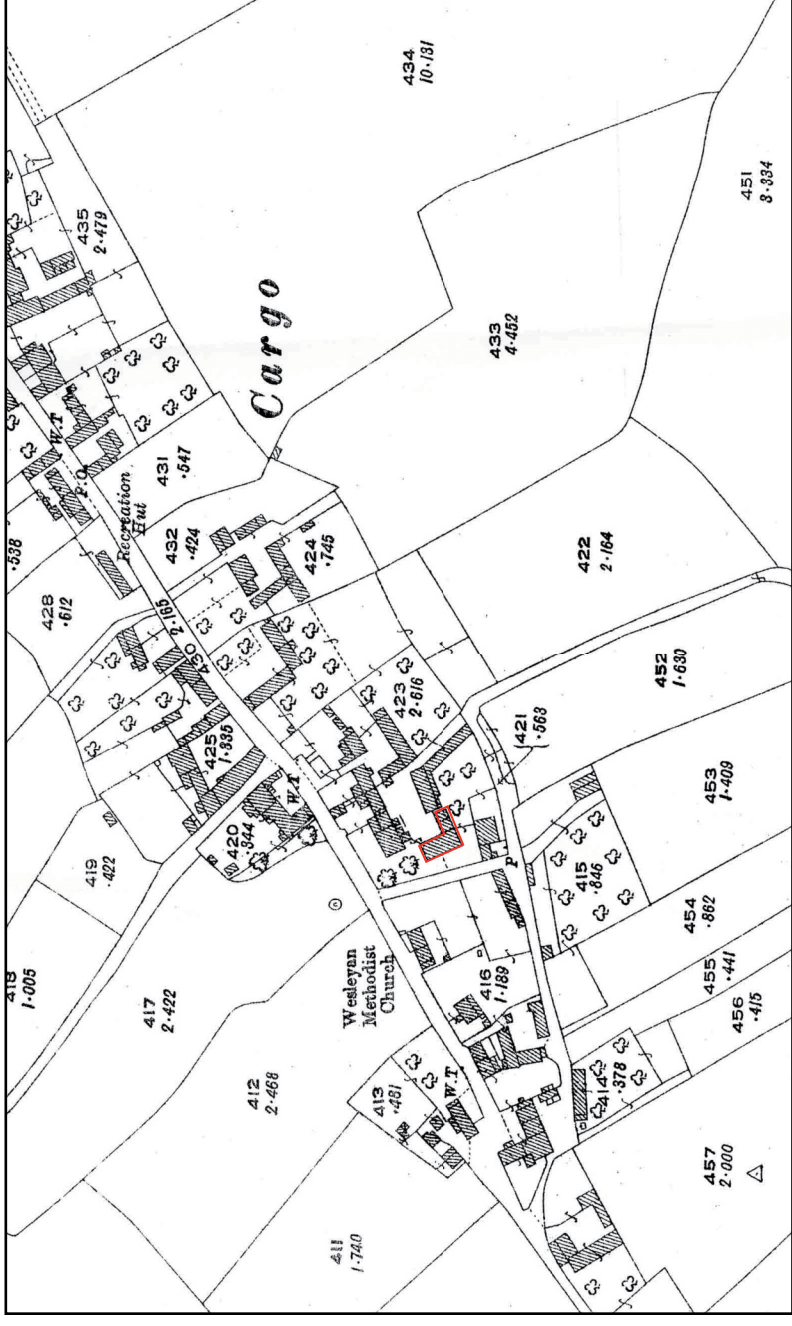





Fig 2d - 3rd Edition Ordnance Survey, 1926

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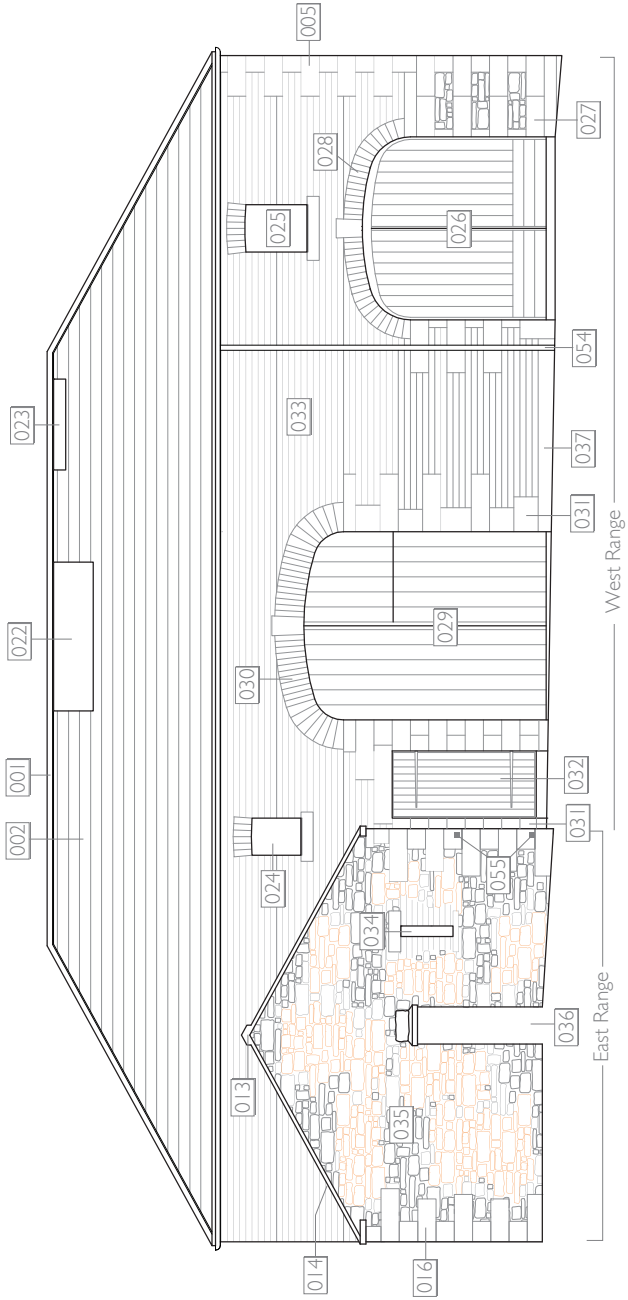


Fig 3a - East-facing Elevation

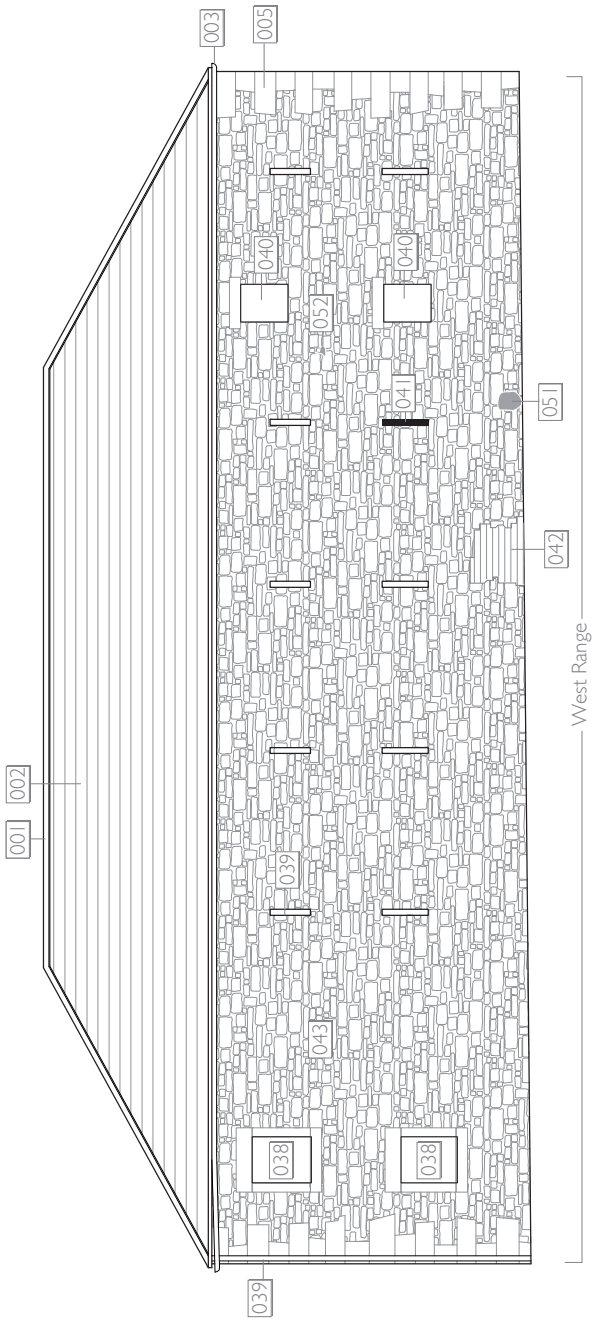
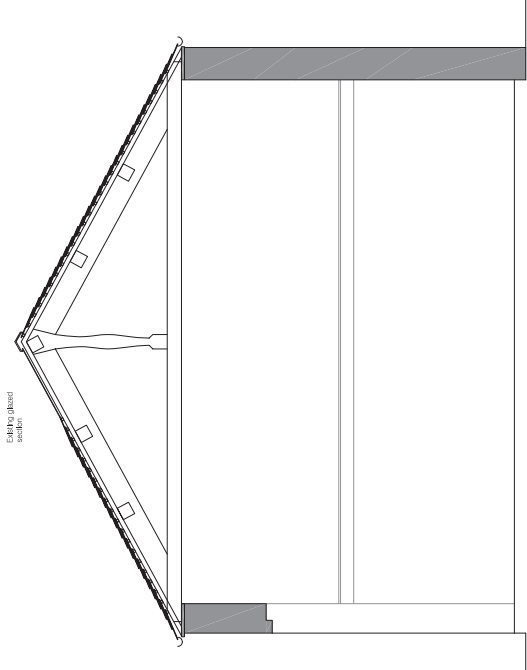
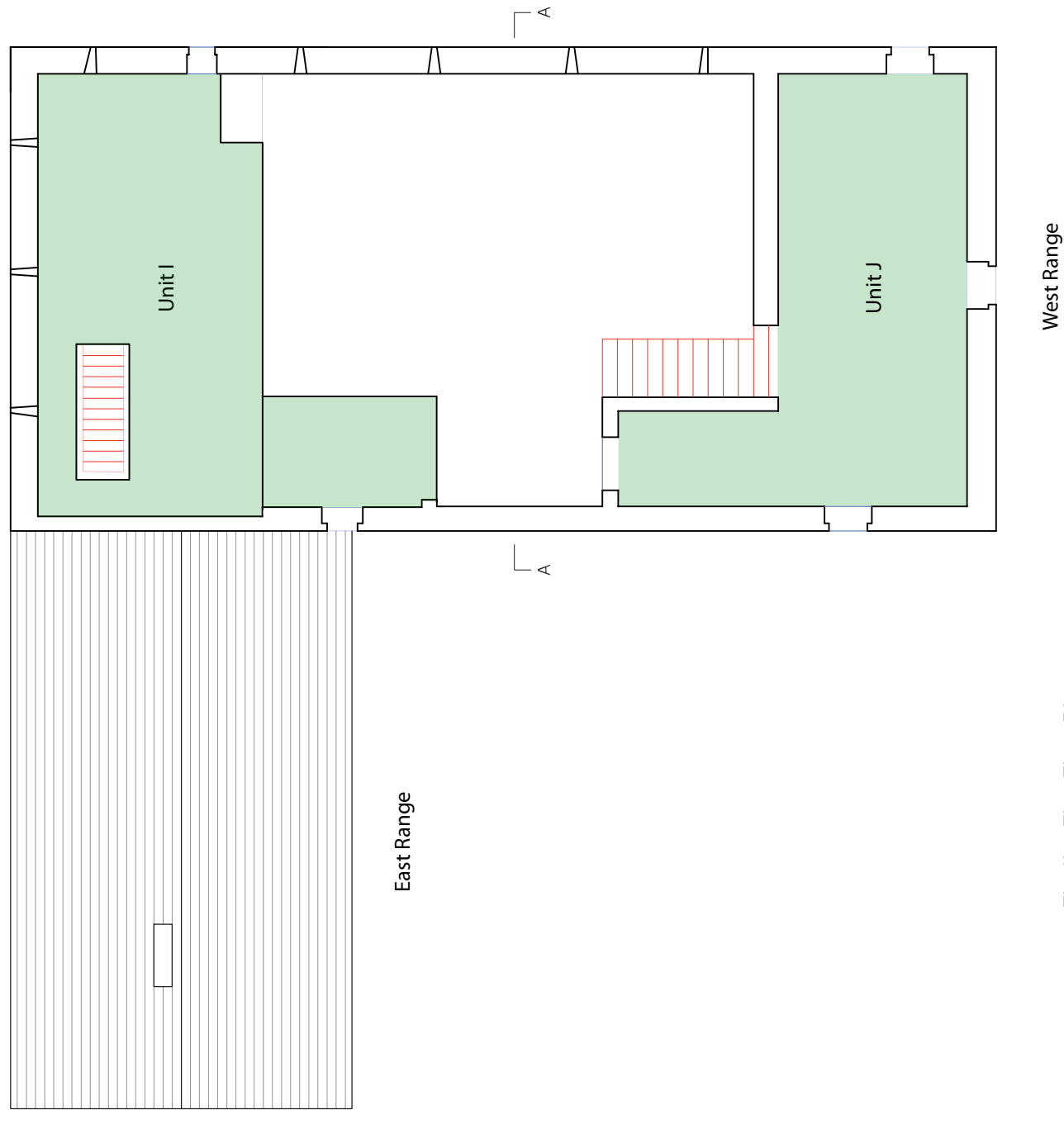
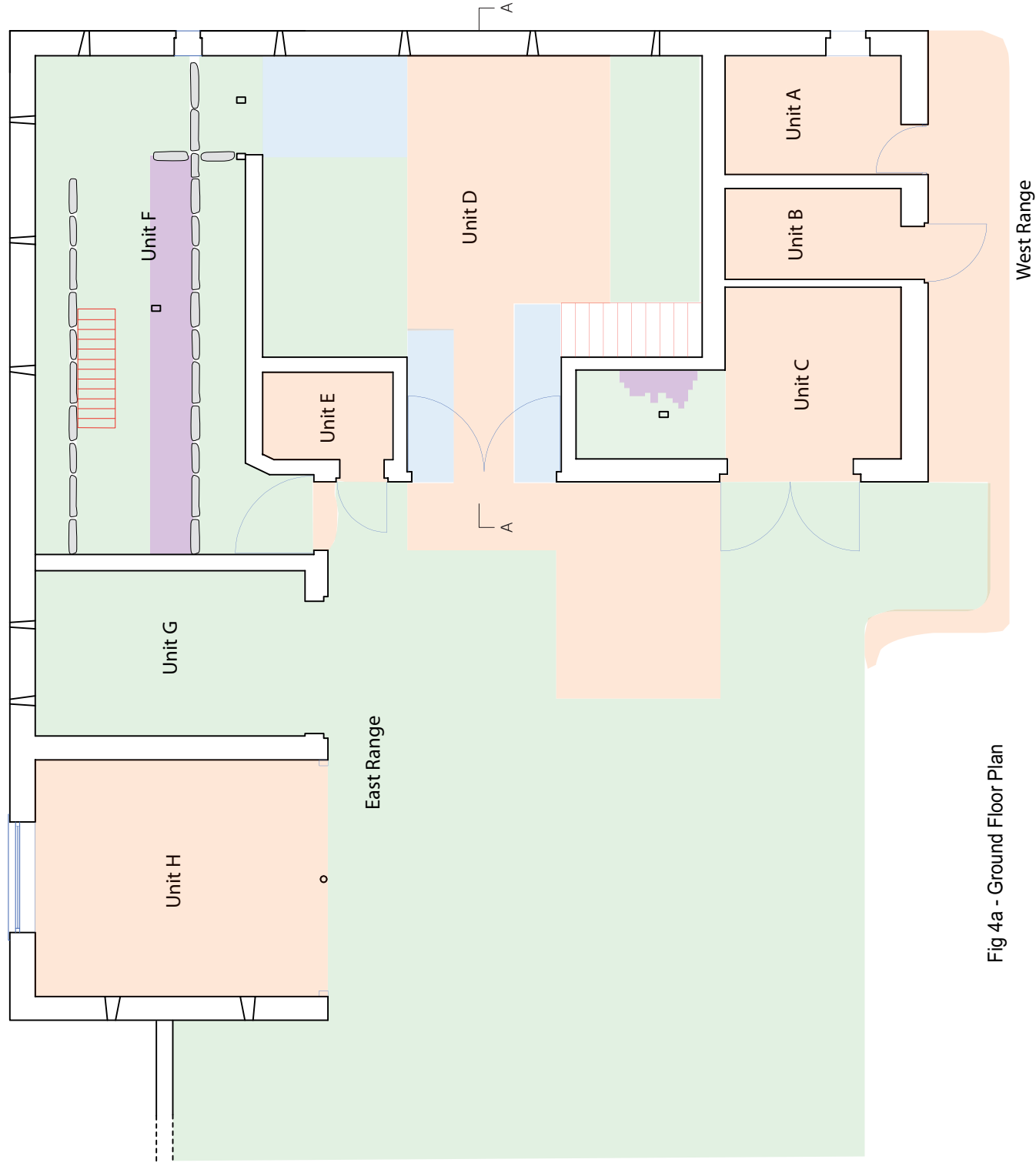
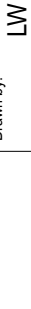




Fig 3c - West-facing Elevation





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