

# **Broomfield Road, Montrose, Angus: Archaeological Mitigation**

## **Data Structure Report**



by Peter Klemen & Claire Williamson

issued 31<sup>st</sup> May 2013

on behalf of Mr Brian McComiskie

**RATHMELL**   
ARCHAEOLOGY LTD

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## Introduction and Planning Context

1. This Data Structure Report is for a programme of Historic Building Recording works required by Mr Brian McComiskie in respect of the complete demolition of the historic structures on land to the rear of 11 to 15 Broomfield Road, Montrose, Angus (Planning Ref: 12/00651/FULL) (NGR: NO 7191 5913). The works were designed to create a competent record of the surviving elements of a Fuel Bunker and associated Air-raid Shelters (Figure 1) dating to the Second World War and once part of RAF Montrose in advance of the construction of five new dwellings.
2. Aberdeenshire Council Archaeology Service, who advise Angus Council on archaeological matters, provided guidance on the structure of Historic Building Recording works required on this site to inform the planning process. In particular, they specified a Level 2 survey in accordance with *Recording Historic Buildings, A Descriptive Specification* (RCHME Third Edition, 1996).
3. The archaeological works are intended to record the existing standing structures prior to demolition and development. Rathmell Archaeology Ltd has been appointed to act with regard to the archaeological issue by Mr McComiskie. The project works described below were designed to comply with the identified requirements of Aberdeenshire Council Archaeology Service.

## Historical Background

4. Britain's first operational military airfield was set up in Montrose by the Royal Flying Corps in 1912-13 (Warren 2000). The British government planned twelve "Air Stations" operated by the Royal Flying Corps, the first of these was at Montrose, allowing aircraft the ability to protect the Royal Navy bases at Rosyth, Cromarty and Scapa Flow. The first site was located three miles to the south of Montrose at Upper Dysart Farm, however, the area was not considered suitable and Broomfield Farm, one mile to the north of Montrose town became the chosen site for RAF Montrose (Figure 2a).
5. The air station closed in 1920 and opened again in 1924 for the maintenance and refurbishment of Lewis machine guns (Warren 200). In 1935 the British government decided to expand the RAF in the face of a growing threat from Germany and a key requirement was for more trained military pilots (Smith 1989). RAF Montrose, virtually unchanged from the First World War, was re-opened on 1 January 1936 as No.8 Flying Training School. Between that date and the end of the Battle of Britain an estimated 800 pilots trained and got their 'wings' at Montrose though not all of these became fighter pilots. Many of the British Second World War Fighter Aces were trained at Montrose (Smith 1989).
6. RAF Montrose had a number of structures associated with it and those presently in use form a crescent of three Royal Flying Corps (RFC) pattern side-opening aeroplane sheds (hangars) built during 1913-14. Due to their significance they have been listed with all seven structures being listed from Category A-C. The Category A structure (Canmore ID: 252023) is the southernmost of "Major Burke's Sheds", built as a military aircraft shed (hangar). Built in 1913-14 its design is that of an Indian Army Shed modified by Major Burke for aircraft use. It is large, rectangular in plan and gabled with Timber frame clad and roofed in corrugated iron. This particular style of shed/hangar is known as "Major Burke's Sheds" who was the first commander of RAF Montrose. They are the only known example of their type in the UK and so, presumably in the world.
7. Regarding the development area of 11-15 Broomfield Road the earliest image (Figure 3b) available that includes the development area depicts it as an open area which has been used as an access area into the airfield from the south. The structure to the south-east is depicted on the *6-inch 3<sup>rd</sup> and 4<sup>th</sup> edition Ordnance Surveys* along with the access area which still opens out onto Broomfield Road (Figures 2b and 3a). It is not until an aerial photograph flown on the 9<sup>th</sup> July 1941 that a structure is visible in the development area (Figure 4a). The roadway encircling the Fuel Bunker is clearly visible as a white area with a green interior representing the turf of the outer bund of the bunker. The plan from

August 1945 (Figure 4b) further supports the location of the Fuel Bunker and also depicts the Air-raid shelters.

## Project Works

8. The programme of works was undertaken on the 16th of May 2013 and included Level 2 building recording of the surviving elements of structures associated with the former RAF Montrose. These included a Fuel Bunker and two Air-raid Shelters.
9. The programme of mitigation works was agreed to comprise the following key components:
  - a. the recording of the individual elements which make up the Fuel Bunker and Air-raid Shelter to Level 2 of the RCHME standards; and
  - b. the production of an illustrated report which integrates the findings of the works through a Data Structure Report characterising the structures.
10. All works were conducted in accordance with Aberdeenshire Council Archaeology Service Standard Conditions, the Institute for Archaeologist's Standards and Policy Statements and Code of Conduct and Historic Scotland Policy Statements.

## Findings: Building Recording

11. The purpose of the building recording was to investigate and record the surviving elements of bunker structures associated with the former RAF Montrose and of Second World War date. The aims of the exercise were to provide a baseline record of the extant structures prior to their complete demolition for the construction of five dwellings.
12. A site visit was conducted on the 15<sup>th</sup> March 2013 to assess the structures that were to be recorded and the landscape context in which they were located. On the initial site visit the structures were recorded as being covered in thick vegetation (Figure 5a) with only two of the structures (002 and 003) able to be closely inspected as the third (001) was located behind a high fence with no access (Figure 5b). However, this was able to be visually inspected.
13. A total of three structures were included within this programme of building survey work. These comprised two Air-raid shelters (Structures 001 and 002) and one Fuel Bunker (Structure 003) (Figure 1). The following outlines the component parts which make up the site and followed by a detailed evaluation of the condition of each individual representative of these components.
14. On returning to the site and the commencement of the survey the structures had been cleared of vegetation and also the surrounding earth covering had been removed. Although the removal of the covering mound removed part of the original component part of the structure, the previous site visit had enabled a level of recording to take place with a photo record demonstrating the original form, physical condition and setting in which the structures were sited. Also, removal of the covering earth revealed the full extent of the structures and a much more detailed recording of the construction materials and overall design of the structures.

### *Landscape Setting*

15. The overall site is level ground with structure (003) the largest of the structures and located centrally within the site. The site lies on the southern edge of the former RAF Montrose Airfield with flat land to the north. Domestic dwellings are located to the east and west, with Broomfield Road, a public highway, bordering the site to the south.

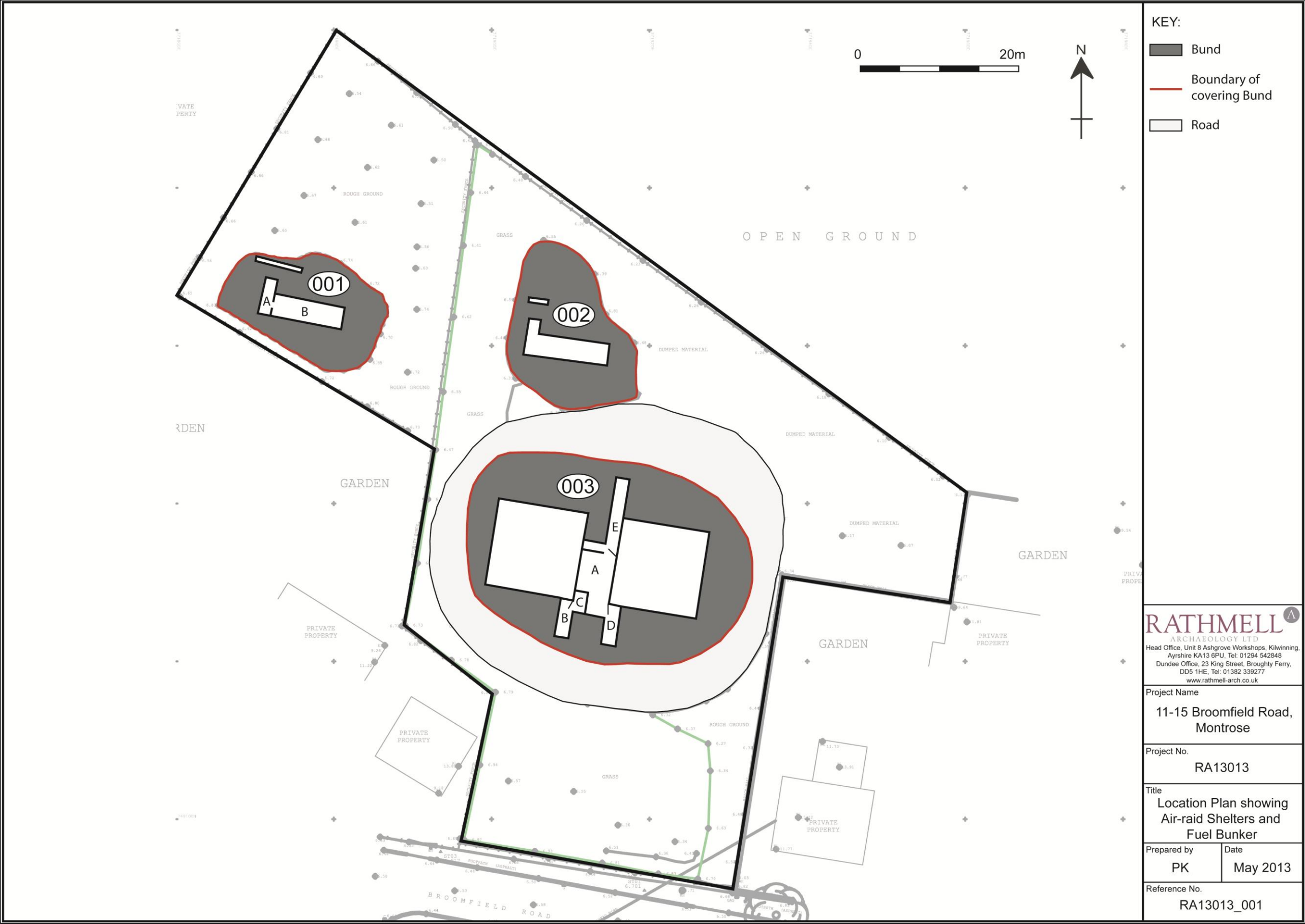


Figure 1: Site Location Plan with existing standing structures



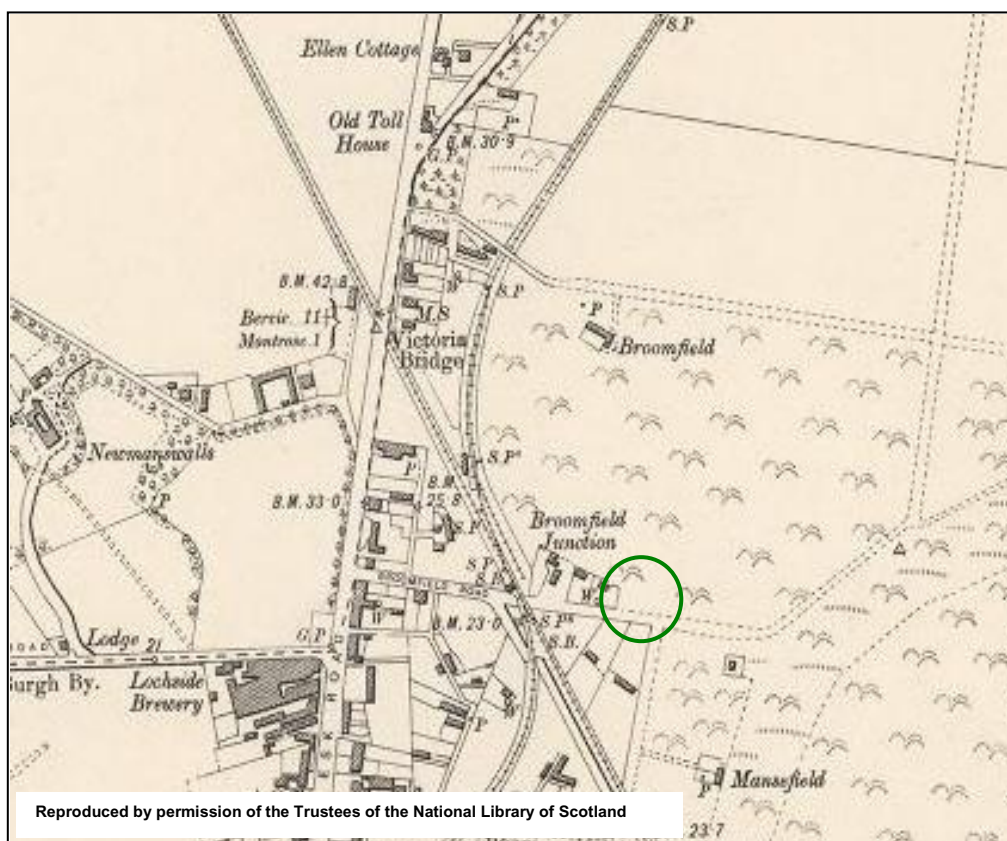


Figure 2a: Extract from the 6-inch 1<sup>st</sup> Edition Ordnance Survey showing Broomfield Farm (1904). The green circle denoting the development area

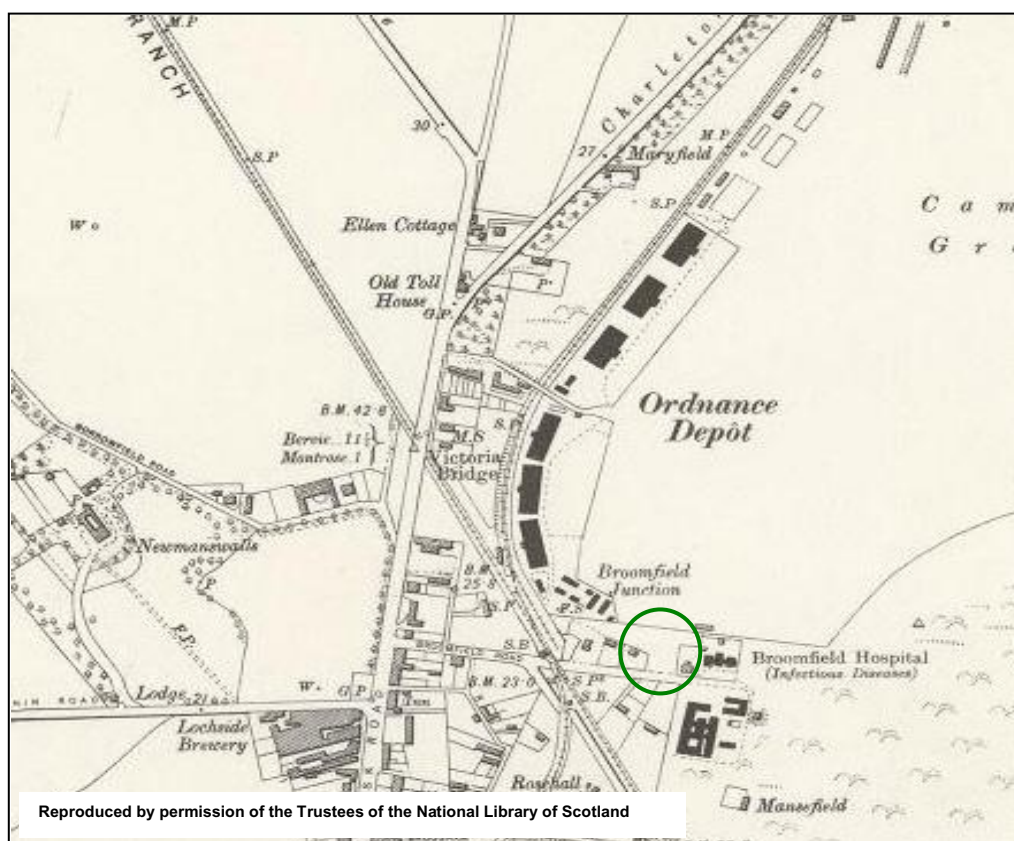


Figure 2b: Extract from the 6-inch 3<sup>rd</sup> Edition Ordnance Survey showing Broomfield Farm (1927). The green circle denoting the development area



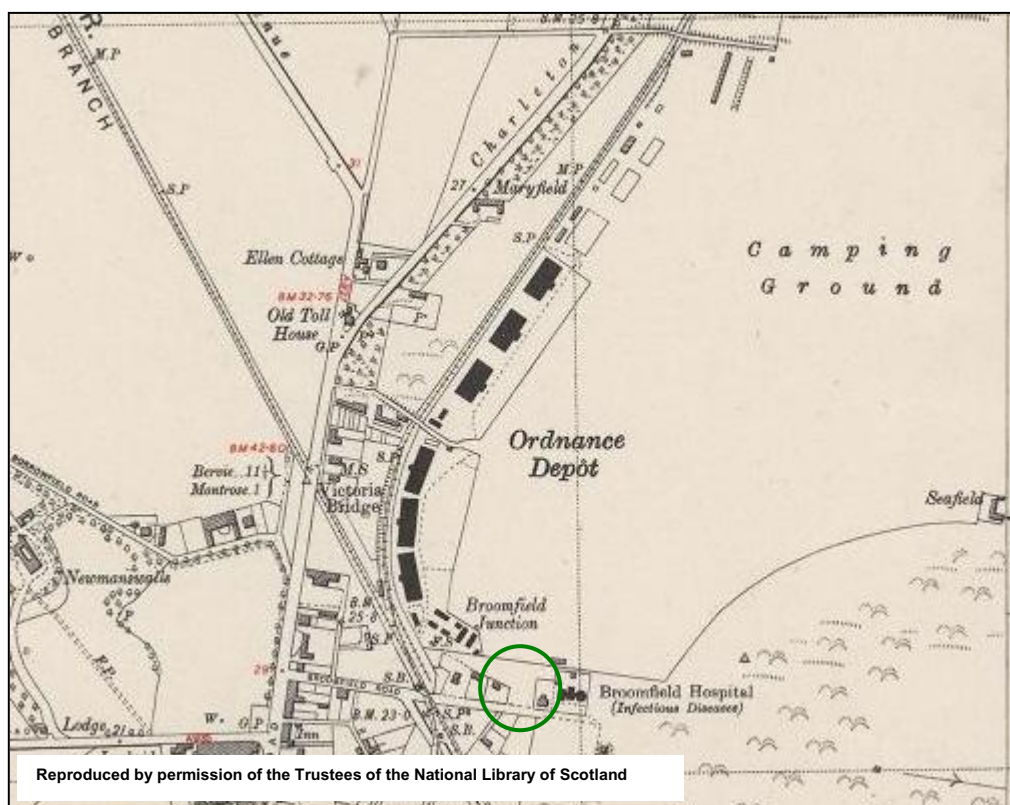


Figure 3a: Extract from the 6-inch 4<sup>th</sup> Edition Ordnance Survey showing Broomfield Farm (1938). The green circle denoting the development area



Figure 3b: Aerial photograph of Montrose Airfield from circa 1917, with 11-15 Broomfield highlighted by the green circle



Figure 4a: Aerial photograph of RAF Montrose, development area depicted by the green circle (Sortie M\_019/D 309, Frame 5257 9<sup>th</sup> July 1941)

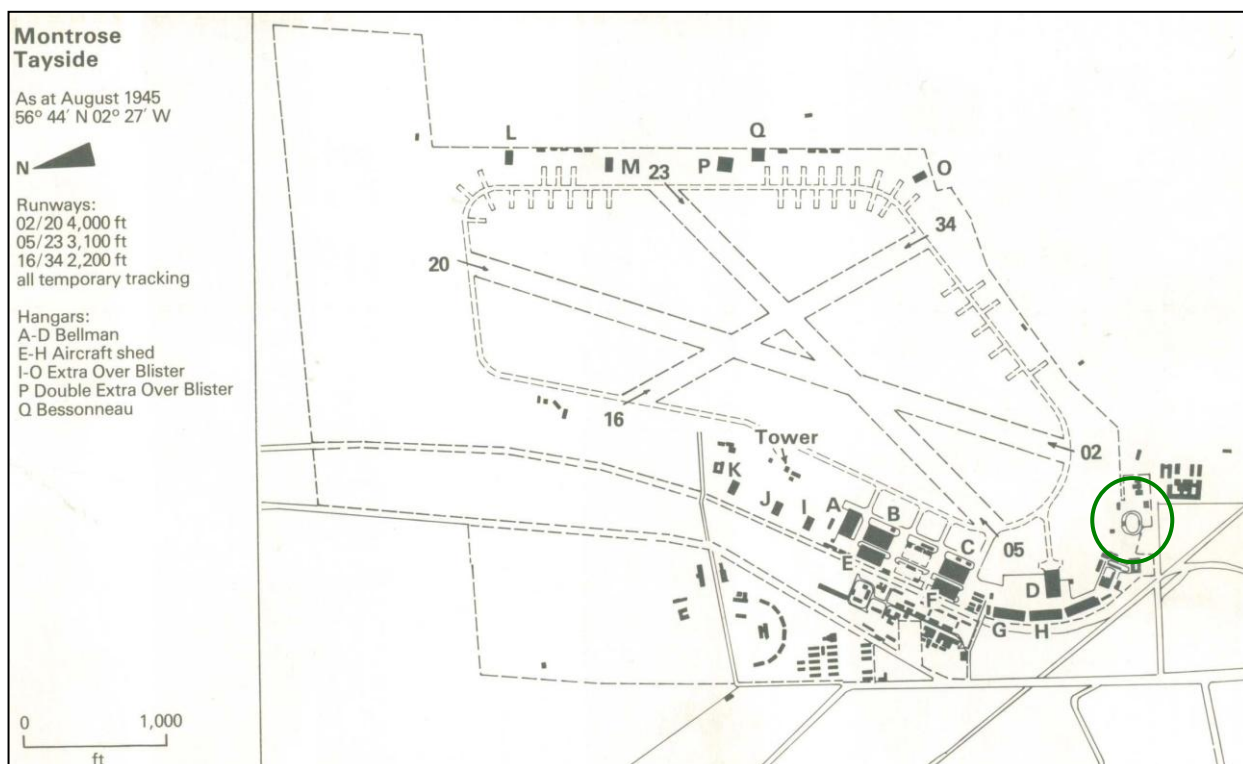


Figure 4b: Plan of RAF Montrose from August 1945 showing the Fuel Bunker and Air Raid shelters highlighted by the green circle (Smith 1989: 153)



### *Air Raid Shelters*

16. The two Air-raid shelters (001 and 002) were both constructed using the shuttered concrete method, aligned east-west and rectangular in shape with a roof access hatch located at the eastern end which was the opposite end of the main access. There was a large build up of soil within the main access which meant that it was not possible to record whether there were steps down into (001) or whether it was a level access. Only structure (001) was accessible and enabled a detailed record of the internal and external characteristics. Although structure (002) was not accessible, both the structures are the same type of Air-raid shelter, and thus the details for (001) should apply for (002).
17. Structure (001) was a single storey semi-subterranean structure with maximum external dimensions of 10m east-west by 4.1m north-south at the west end and the east end measuring 2.51m north-south. At the western end the maximum height was 1.56m, at the eastern end there was a build up of soil at the base, and gave an exposed height for the structure at 870mm in height. The main access measures 760mm broad and is located at the western end and opens to the north (Figures 6b and 8b i & ii). Where the entrance steps out slightly it forms an 'L-shape' at the west end. As the surrounding protective bund had been removed the measurements for this feature were unable to be taken.
18. The external shape of the roof is rounded and slopes to a width on 280mm on the southern side and 340mm on the northern side at which the sides flatten, with three air vents made from ceramic pipes visible on the north facing roof elevation. The difference in the form of concrete to the body of the structure and the overhang created by the shuttered method of construction (Figure 6a and b) suggests that (001) was constructed by sequential pouring and further supports the suggestion that the method of construction was shuttered. On the north facing external elevation there is an area of the lower part of the body of (001) that has been pushed outwards (Figure 6b) and possibly represents where there had been a weakness during a stage in the pouring which has pushed out the surrounding shuttering. This also demonstrates that (001) has not been reinforced by metal.
19. Located in front of the main access was a concrete wall constructed using the shuttered method for concrete construction, rectilinear in form and aligned east-west. The maximum dimensions were 6.3m by 1.77 by 300mm and although it was free standing it would originally have been encompassed by earth (Figure 7a). The function of this feature would be to act as a blast wall and protect the main access into the Air-raid shelter. Located externally and at the east end of the structure was a square opening, measuring 650mm by 650mm and surrounded by a square concrete feature (i) measuring 980mm by 480mm and providing protection for the roof access (Figures 7b and 8a). The design of this feature, with the four rectangular spaces on each of the sides, may reflect a possible locking or mating mechanism for a lid or hatch.
20. Internally, structure (001) was divided into two rooms; A and B. Room A was rectangular in shape with maximum internal dimensions of 4.23m by 760mm and 1.94m in height and represented the main access to (001). Evidence for door brackets made from wood are present on the west internal wall and illustrates that this room may possibly have been originally divided into two compartments with the inner compartment measuring 1.79m by 760mm. This is further supported by the remains of door brackets made from metal located on the exterior of Room A. The location of the metal door brackets at the top and on the exterior of Room A possibly reflects the remains of an outer blast door (Figures 8b i and ii). The build up of soil in the outer doorway prevented any measurements being taken. The walls of Room A were rendered light grey with evidence of modern activity in the form of graffiti and pink paint on both the west and east walls.
21. Access to Room B was through a doorway 770mm in width and located on the eastern side of Room A. Room B forms the main chamber of (001) with maximum internal dimensions of 8.58m by 2.18m by 1.98m. The sides of the Room B are untreated shuttered concrete and rounded in profile forming a rectangular cylinder shape (Figure 9a). Along both the north and south walls there are a number of areas of modern graffiti

(Figure 9a). The floor was rectangular in shape with a central channel 580mm wide and 70mm deep, running east-west for the length of Room B. Along either side of the channel there was an edge 500mm wide and 400mm deep which would have been used to possibly lay boards down and take any excess liquids away from the main standing and seating area of the floor. There was no evidence for internal fittings associated with seats/benches, the only fittings present were steel rungs forming the ladder that was fixed into the east wall and enabled access to the roof hatch.

22. Structure (002), as with (001) was a single storey, semi-subterranean structure with the main access to the interior located at the western end which steps out slightly to form an 'L-shape'. Constructed using rectangular concrete blocks and rendered using more concrete. The roof access hatch is located at the eastern end with the same concrete square crenulated protection. A short section of the bottom of the blast wall is visible to the north of the main access. The upper portion has been removed, when this occurred is not known. Along the south roof elevation, air vents comprising ceramic pipes are visible. Structure (002) is not in as good condition as (001), however, the overall similar external design and individual component details would suggest that the interior would have been the same as (001) (Figure 9b).

### *Fuel Bunker*

23. Structure (003) was single storey, with a flat roof formed of concrete with areas covered by bitumen to provide waterproofing, with the body of the structure constructed of red brick with its substantially sized body forming a rectangular shape (Figure 10a and 10b). On the north side there was a corridor coming away at a right angle to the main body of (003), with a doorway facing east. On the southern side, two other corridors were present and leaving the main body of the structure at right angles (Figure 1). Both had doorways facing to the west, with the most easterly corridor doorway completely blocked and the westerly located corridor with a partially blocked doorway.
24. Some of the external elevations had a black bitumen render, approximately 40mm thick, covering the brick work. This possibly provided waterproofing from the overlying earth bund. Located on the north and south faces pipes are visible protruding out of the brick work. These may have represented drainage pipes taking water away from the roof. The structure would have originally been covered by an earth and turf mound (Figure 5a).
25. The plan of (003) (Figure 1) shows two large square internal rooms and one central smaller rectangular room (Room A, Figure 1). The two larger square rooms were not accessible from the interior or exterior of (003) so therefore were not able to be surveyed. It is assumed that these formed the storage fuel compartments with piping leading into them from Room A (Figure 12a). Located along the bottom of the north side of (003) there are square holes which would appear to be sited along the areas of two the sealed rooms that were not accessible. The build of sand and soil meant that it was not possible to investigate them further and so their function is unknown.
26. Within Room A there were five internal rooms (A-E) that were surveyed, with Room A forming the largest. This was 'L-shaped' with a concrete floor and ceiling formed from shuttered concrete, with the grain from the wood in the formwork in which the cement was poured easily visible. There were no windows and two doorways. One doorway was located at the east end of the north wall with the other at the south end of the west wall, with both iron doors still present. The maximum dimensions of Room A were 8m by 4.25m by 2.73m in height, with Rooms C, D and E adjoining Room A.



Figure 5a: Structure 003 (Fuel Bunker) demonstrating the thick vegetation and covering mound with the surrounding sectional poured concrete roadway in the foreground



Figure 5b: Structure 001 (Air-raid shelter) demonstrating the thick vegetation and covering mound





Figure 6a: Structure (001) showing the north facing elevation with main access located at the western end and the access hatch protective surrounding at the eastern end



Figure 6b: Structure (001) demonstrating the sequential pouring with the roof capping the body of the Air0raid shelter.





Figure 7a: Structure (001) Blast wall, located in front of the main access



Figure 7b: Structure (001) demonstrating the east face of (detail i) surrounding the eastern end access hatch





Figure 8a: View onto structure (002) demonstrating the top of the eastern end roof access hatch (detail i)



Figure 8b i and ii: Photo (i) illustrates the main access and metal door bracket with photo (ii) demonstrating a closer image of Room A.





Figure 9a: Room B looking west demonstrating the internal form, graffiti , ceramic air vent in the top left of the image and access from Room A



Figure 9b: Structure (002) demonstrating the same design characteristics as (001) and the blocked doorway the western end

27. Iron piping was present running along the roof and on each wall, with brick and concrete plinths (i-vi) recorded on the floor (Figures 11a and 11b). There were two different types of plinths with one constructed from concrete and the other from brick. The concrete plinths were rectangular in shape and ranged in size from 750mm by 480mm by 180mm, 1.67m by 460mm by 110mm and 1.4m by 58mm by 350mm. All the concrete plinths had metal holdfasts rising up from the top of them and would suggest that they once have had some form of equipment/machinery fixed to them (Figure 11a). The brick plinths were all painted white and ranged in size from 2.13m by 710mm, 2.45m by 1.04m and 230mm by 700mm. Their close proximity to piping would suggest that they were possibly used to support the pipes running to machinery fixed to the concrete plinths. One of the brick plinths has black writing on its north facing side, however this was difficult to make out (Figure 11b).
28. Room B formed the westerly corridor coming off from the main body of (003) on the southern side. It was a long narrow rectangular corridor with no windows, constructed of brick with no paint and a partially blocked doorway located to the south of the room and facing west. Another doorway was located at the north end and entered Room C from the east with the iron mesh door was still present. Both the floor and ceiling were made from concrete, with the ceiling showing evidence of being constructed of pre-cast metal reinforced concrete. There were no light fixtures remaining on the ceiling. The external doorway was possibly blocked recently to prevent access from vandals/trespassers.
29. Room C is adjoined to Room A through a small square hatch located at the base of the east wall. Running from Room A into C is one of the concrete plinths which may possibly have had some form of machinery fixed to it. Room C is accessed through Room B and the doorway located on the east wall. The room is rectangular with no windows and measures 1.36m by 2.29m by 2.27m in height.
30. Access to Room D was not possible due to an obstruction in Room D behind the iron door which prevented it from opening. Part of the door had broken away and so it was possible to visually survey Room D through the broken area. The construction and dimensions were the same as those of Room B. Access to Room D was through two doorways. One doorway was located at the south end of the room on the east wall, with access to Room A through a doorway at the north end and on the west wall.
31. Room E provided access to Room A from the north and formed by a narrow 'L-shaped' corridor aligned north-south with an east-west section at the southern end. The east-west section of the corridor was blocked by sand and soil due to part of the ceiling possibly having been removed. The north-south corridor measured 8.7m by 1.04m with a doorway located at the northern end on the west wall and measuring 1.11m wide, this had been blocked in recent times re-opened to allow access. As with Rooms B and D it was constructed of brick with a concrete floor and pre-cast metal reinforced concrete ceiling.

## Discussion

32. Aerial photographs dating back to 1941 (Figure 4a) show the presence of the large structure represented by (003) and highlighted by the circular concrete road. The Air-raid shelters (001 and 002) along with (003) are all still present on the plan of RAF Montrose from 1945 (Figure 4b). The plan from 1945 (Figure 4b) illustrates that the immediate surrounding area of the Air-raid shelters and Fuel bunker, in this southern area of the former airfield, do not have any other structures and as such these open areas have gradually been filled in with the present development area representing the final area along the southern borders of the former RAF Montrose to be filled in.
33. The baseline survey of the three structures revealed that the fabric of each structure had survived virtually unchanged since their original construction in the 1940s. Although two of the structures (001) and (003) have been accessible there was no damage caused to the fabric of the structures. The only evidence of recent activity was in the form of graffiti and general rubbish (drinks cans, bottles, crisp/food packets).





Figure 10a: Structure (003) north facing elevation demonstrating the open doorway and corridor of Room E



Figure 10b: Structure (003) south facing elevation demonstrating the two corridors of Room B and D



Figure 11a: Concrete plinths (details ii & iii) also demonstrating the metal fixings



Figure 11b: Brick plinth (detail iv) painted white with black writing and pipe work behind





Figure 12a: Room A Western internal wall demonstrating piping entering the sealed compartment to the west and piping along the roof

34. The two Air-raid shelters (001 and 002) are examples of a variant of the 'Stanton' type of Air-raid shelter. The Stanton air-raid shelters were constructed using precast concrete arched-shaped units (each one in two parts) and bolted together to form a standard shape that could be built in any length. Structures (001) and (002) demonstrate characteristics that would suggest that they were constructed using concrete batched and poured on-site using the shuttered method. The similarity they share with the Stanton shelters is the tubular linear form of the main chamber, the presence at the rear of an emergency escape hatch, they are semi-sunk into the ground and for concealment purposes there would have been a layer of earth and turf covering the built structure. Hence in functional terms they are directly comparable to the Stanton type, through delivered through an on-site construction method.
35. The Fuel bunker, also known as an 'Aviation Petrol Installation' had the capacity to hold 72,000 gallons of aviation fuel which would have been held in the two compartments on either side of Room A (Figure 1). The location of (003) away from the main structures to the west and northwest of the airfield highlights the precaution taken in the event of the airfield being bombed. This did indeed happen on the 25<sup>th</sup> October 1940 when three German Junkers aircraft dropped 24 bombs on the station killing five people, injuring eighteen and destroying two hangers and the officer's mess. These structures were located to the northeast of the development area where the hangers are labeled as 'G and H' (Figure 4b) and the officer's mess formed by a semicircle of seven structures is to the north of the hangers (Figure 4b).
36. The siting of air-raid shelters adjacent to the aviation fuel store seems unusual in terms of the management of risk in the event of enemy action. This may suggest that they are not contemporaneous in use even though they both date from World War II. Alternatively, the location may have been viewed as low risk from attack within the overall layout of the airfield and hence placing air-raid shelters here among a residential fringe of the airfield was acceptable. Although it is worth considering the risks inherent in the placement of the fuel bunker in this same residential fringe of the airfield.

## Conclusion

37. A programme of archaeological works was required by Mr Brian McComiskie before the complete demolition of three structures associated with the former RAF Montrose and World War II in date, at 11 to 15 Broomfield Road, Montrose, Angus (NGR: NO 7191 5913). The surviving remains of this feature were subject to a Level 2 Historic Building Recording exercise, in order to create a baseline record of the surviving elements to record them before destruction.
38. The historic building recording survey confirmed that apart from the covering earth protective mound the fabric and form of the Fuel bunker and Air-shelters were in very good condition. This provided a sound baseline and understanding of the structures before their demolition and provides an extra detail of the history of RAF Montrose.



## References

### *Documentary*

- |              |      |  |
|--------------|------|--|
| Smith, D. J. | 1989 | <i>Action Stations: Military airfield of Scotland, the North-east and Northern Ireland</i> . Patrick Stephens Ltd: Wellingborough. |
| Warren, L.   | 2000 | <i>Montrose Airfield from 1913</i> . Montrose Air Station Museum Trust: Montrose.  |

### *Cartographic*

- |                 |      |  |
|-----------------|------|--|
| Ordnance Survey | 1904 | 6-inch 2 <sup>nd</sup> Edition Ordnance Survey Forfarshire (Angus) SW Sheet XXVIII |
| Ordnance Survey | 1927 | 6-inch 3 <sup>rd</sup> Edition Ordnance Survey Forfarshire (Angus) SW Sheet XXVIII |
| Ordnance Survey | 1938 | 6-inch 4 <sup>th</sup> Edition Ordnance Survey Forfarshire (Angus) SW Sheet XXVIII |

### *Aerial Photographs*

Sortie M\_019/D 309, Frame 5257, 09/07/1941

## Appendix 1: Discovery & Excavation in Scotland

<b>LOCAL AUTHORITY:</b>	Angus
<b>PROJECT TITLE/SITE NAME:</b>	11 to 15 Broomfield Road, Montrose
<b>PROJECT CODE:</b>	RA13013
<b>PARISH:</b>	Montrose
<b>NAME OF CONTRIBUTOR:</b>	Peter Klemen & Claire Williamson
<b>NAME OF ORGANISATION:</b>	Rathmell Archaeology Limited
<b>TYPE(S) OF PROJECT:</b>	Building Recording
<b>NMRS NO(S):</b>	None
<b>SITE/MONUMENT TYPE(S):</b>	Fuel Bunker and two Air Raid Shelters
<b>SIGNIFICANT FINDS:</b>	None
<b>NGR (2 letters, 6 figures)</b>	NO 7191 5913
<b>START DATE (this season)</b>	16 <sup>th</sup> May 2013
<b>END DATE (this season)</b>	16 <sup>th</sup> May 2013
<b>PREVIOUS WORK (incl. DES ref.)</b>	None
<b>MAIN (NARRATIVE) DESCRIPTION:</b> (may include information from other fields)	A programme of Historic Building Recording works was required by Mr Brian McComiskie in respect of the complete demolition of the historic structures on land to the rear of 11 to 15 Broomfield Road, Montrose, Angus (Planning Ref: 12/00651/FULL). The works were designed to create a competent record of the surviving elements of a Fuel Bunker and associated Air Raid Shelters dating to the Second World and once part of RAF Montrose, prior to the construction of five new dwellings.
<b>PROPOSED FUTURE WORK:</b>	None
<b>CAPTION(S) FOR ILLUSTRS:</b>	None
<b>SPONSOR OR FUNDING BODY:</b>	Mr Brian McComiskie
<b>ADDRESS OF MAIN CONTRIBUTOR:</b>	Unit 8 Ashgrove Workshops, Kilwinning, Ayrshire KA13 6PU
<b>E MAIL:</b>	contact@rathmell-arch.co.uk
<b>ARCHIVE LOCATION (intended/deposited)</b>	Report to Aberdeenshire Council Archaeology Service and archive to National Monuments Record of Scotland.

## Appendix 2: Photo Register

### *Photographic Register*

Image No.	Print		Slide		Digital	Description	From	Date
	Film No.	Neg. No.	Film No.	Neg. No.				
001	-	-	-	-	001	001 General setting shot	S	16/05/13
002	-	-	-	-	002	001 General setting shot	E	16/05/13
003	-	-	-	-	003	001 General setting shot	NE	16/05/13
004	-	-	-	-	004	001 General setting shot	N	16/05/13
005	-	-	-	-	005	001 General setting shot	W	16/05/13
006	-	-	-	-	006	001 External North facing elevation of blast wall (ii)	N	16/05/13
007	-	-	-	-	007	001 External South facing elevation of blast wall (ii)	SE	16/05/13
008	-	-	-	-	008	001 External South facing elevation of blast wall (ii)	SW	16/05/13
009	-	-	-	-	009	001 External West facing elevation	W	16/05/13
010	-	-	-	-	010	001 External West facing elevation	SW	16/05/13
011	-	-	-	-	011	001 External West facing elevation with blast wall (ii)	SW	16/05/13
012	-	-	-	-	012	001 External West facing elevation with blast wall (ii)	W	16/05/13
013	-	-	-	-	013	001 External South facing elevation	SW	16/05/13
014	-	-	-	-	014	001 External South facing elevation (West half)	S	16/05/13
015	-	-	-	-	015	001 External South elevation (East half)	S	16/05/13
016	-	-	-	-	016	001 External South elevation	SE	16/05/13
017	-	-	-	-	017	001 External East facing elevation	E	16/05/13
018	-	-	-	-	018	001 External East facing elevation	E	16/05/13
019	-	-	-	-	019	001 External East facing elevation (Entrance)	E	16/05/13
020	-	-	-	-	020	001 External East facing elevation	NE	16/05/13
021	-	-	-	-	021	001 External North facing elevation (East end)	N	16/05/13
022	-	-	-	-	022	001 External North facing elevation	NW	16/05/13
023	-	-	-	-	023	001 External North facing elevation (Entrance at	N	16/05/13

Image No.	Print		Slide		Digital	Description	From	Date
	Film No.	Neg. No.	Film No.	Neg. No.				
						West end)		
024	-	-	-	-	024	001 External North facing elevation – Upper portion of entrance	N	16/05/13
025	-	-	-	-	025	001 External North facing elevation – Cable bracket at entrance	NNE	16/05/13
026	-	-	-	-	026	001 External North facing elevation – Cable bracket at entrance	ENE	16/05/13
027	-	-	-	-	027	001 External North facing elevation – Air vent	N	16/05/13
028	-	-	-	-	028	001 External North facing elevation – Cable bracket at entrance – Shoot of roof	WNW	16/05/13
029	-	-	-	-	029	001 External detail (i)	NW	16/05/13
030	-	-	-	-	030	001 External detail (i)	E	16/05/13
031	-	-	-	-	031	001 External detail (i)	E	16/05/13
032	-	-	-	-	032	001 External detail (i)	SE	16/05/13
033	-	-	-	-	033	001 External detail (i)	SSE	16/05/13
034	-	-	-	-	034	001 Room A general view	N	16/05/13
035	-	-	-	-	035	001 Room A general view	N	16/05/13
036	-	-	-	-	036	001 Room A – South wall	N	16/05/13
037	-	-	-	-	037	001 Room A – General view	S	16/05/13
038	-	-	-	-	038	001 Room A – North end	S	16/05/13
039	-	-	-	-	039	001 Room A – East wall (North end)	NW	16/05/13
040	-	-	-	-	040	001 Room A – East wall (South end)	NW	16/05/13
041	-	-	-	-	041	001 Room A – Doorway, East wall	NW	16/05/13
042	-	-	-	-	042	001 Room A – Bracket, East wall	W	16/05/13
043	-	-	-	-	043	001 Room A – Site of hinge, doorway East wall	N	16/05/13
044	-	-	-	-	044	001 Room A – Graffiti East wall	NW	16/05/13
045	-	-	-	-	045	001 Room A – Graffiti South wall	N	16/05/13
046	-	-	-	-	046	001 Room A – West wall (South half)	ENE	16/05/13
047	-	-	-	-	047	001 Room A – West wall	NNE	16/05/13



Image No.	Print		Slide		Digital	Description	From	Date
	Film No.	Neg. No.	Film No.	Neg. No.				
						(south half)		
048	-	-	-	-	048	001 Room A – West wall (North half)	NE	16/05/13
049	-	-	-	-	049	001 Room A – Graffiti West wall	E	16/05/13
050	-	-	-	-	050	001 Room A – Site of removed door, West wall	SE	16/05/13
051	-	-	-	-	051	001 Room A – Ceiling shot	N	16/05/13
052	-	-	-	-	052	001 Room A – Shot of floor	N	16/05/13
053	-	-	-	-	053	001 Room A – Site of hinge (removed) West wall	E	16/05/13
054	-	-	-	-	054	001 Room B – General view	E	16/05/13
055	-	-	-	-	055	001 Room B – General view	W	16/05/13
056	-	-	-	-	056	001 Room B – West wall	E	16/05/13
057	-	-	-	-	057	001 Room B – Doorway, West wall	E	16/05/13
058	-	-	-	-	058	001 Room B – Graffiti, West wall, South side	E	16/05/13
059	-	-	-	-	059	001 Room B – Graffiti, West wall, South side	E	16/05/13
060	-	-	-	-	060	001 Room B – East wall	N	16/05/13
061	-	-	-	-	061	001 Room B – East wall, upper into access hatch	W	16/05/13
062	-	-	-	-	062	001 Room B – Ladder, East wall	WSW	16/05/13
063	-	-	-	-	063	001 Room B – Graffiti, East wall (South side)	W	16/05/13
064	-	-	-	-	064	001 Room B – Graffiti, East wall (North side)	W	16/05/13
065	-	-	-	-	065	001 Room B – South wall, East half	WNW	16/05/13
066	-	-	-	-	066	001 Room B – South wall, west half	ENE	16/05/13
067	-	-	-	-	067	001 Room B – Graffiti, South wall, East-West	N	16/05/13
068	-	-	-	-	068	001 Room B – Graffiti, South wall, East-West	N	16/05/13
069	-	-	-	-	069	001 Room B – Graffiti, South wall, East-West	N	16/05/13
070	-	-	-	-	070	001 Room B – Graffiti, South wall, East-West	N	16/05/13

Image No.	Print		Slide		Digital	Description	From	Date
	Film No.	Neg. No.	Film No.	Neg. No.				
071	-	-	-	-	071	001 Room B – Graffiti, South wall, East-West	N	16/05/13
072	-	-	-	-	072	001 Room B – Graffiti, South wall, East-West	N	16/05/13
073	-	-	-	-	073	001 Room B – Graffiti, South wall, East-West	N	16/05/13
074	-	-	-	-	074	001 Room B – North wall, East half	WSW	16/05/13
075	-	-	-	-	075	001 Room B – North wall, West half	ESE	16/05/13
076	-	-	-	-	076	001 Room B – Graffiti, North wall, West-East	SSW	16/05/13
077	-	-	-	-	077	001 Room B – Graffiti, North wall, West-East	SW	16/05/13
078	-	-	-	-	078	001 Room B – Graffiti, North wall, West-East	SSW	16/05/13
079	-	-	-	-	079	001 Room B – Graffiti, North wall, West-East	SE	16/05/13
080	-	-	-	-	080	001 Room B – Graffiti, North wall, West-East	S	16/05/13
081	-	-	-	-	081	001 Room B – Graffiti, North wall, West	S	16/05/13
082	-	-	-	-	082	001 Room B – Graffiti, North wall, West	S	16/05/13
083	-	-	-	-	083	001 Room B – Graffiti, North wall, West	S	16/05/13
084	-	-	-	-	084	001 Room B – Graffiti, North wall, West	S	16/05/13
085	-	-	-	-	085	001 Room B – Vent, North wall	SW	16/05/13
086	-	-	-	-	086	001 Room B – Shot of ceiling	W	16/05/13
087	-	-	-	-	087	001 Room B – Graffiti on ceiling	W	16/05/13
088	-	-	-	-	088	001 Room B – Shot of access hatch, East end of ceiling	W	16/05/13
089	-	-	-	-	089	001 Room B – Shot of floor	W	16/05/13
090	-	-	-	-	090	001 Room B – Channel on floor	W	16/05/13
091	-	-	-	-	091	001 Room B – Detail on channel	W	16/05/13
092	-	-	-	-	092	001 Room B – Build up of material at East end	W	16/05/13

Image No.	Print		Slide		Digital	Description	From	Date
	Film No.	Neg. No.	Film No.	Neg. No.				
093	-	-	-	-	093	001 External North facing elevation, detail of eroding concrete	NW	16/05/13
094	-	-	-	-	094	002 General setting shot	SW	16/05/13
095	-	-	-	-	095	002 General setting shot	W	16/05/13
096	-	-	-	-	096	002 General setting shot	SSE	16/05/13
097	-	-	-	-	097	001 & 002 General setting shot	SE	16/05/13
098	-	-	-	-	098	002 West facing elevation	W	16/05/13
099	-	-	-	-	099	002 Blocked access	N	16/05/13
100	-	-	-	-	100	002 Part of blast wall (bottom section)	S	16/05/13
101	-	-	-	-	101	002 South elevation – West end to middle	S	16/05/13
102	-	-	-	-	102	002 South elevation – East end to middle	S	16/05/13
103	-	-	-	-	103	002 North elevation – East end with doorway/access	N	16/05/13
104	-	-	-	-	104	002 North elevation – Mid East end	N	16/05/13
105	-	-	-	-	105	002 North elevation – Mid West end	N	16/05/13
106	-	-	-	-	106	002 North elevation – West end with roof access	N	16/05/13
107	-	-	-	-	107	002 East facing elevation (heavily obscured) with roof access	SE	16/05/13
108	-	-	-	-	108	002 West facing side of roof access (same as detail i on 001)	W	16/05/13
109	-	-	-	-	109	002 View on top of roof access	E	16/05/13
110	-	-	-	-	110	002 East face of roof access	E	16/05/13
111	-	-	-	-	111	002 Air vent on south elevation	S	16/05/13
112	-	-	-	-	112	002 Air vent on south elevation	S	16/05/13
113	-	-	-	-	113	002 Both air vents in context on South elevation	S	16/05/13
114	-	-	-	-	114	001 & 002 – General setting view	E	16/05/13
115	-	-	-	-	115	003 General setting view showing West & North	NW	16/05/13



Image No.	Print		Slide		Digital	Description	From	Date
	Film No.	Neg. No.	Film No.	Neg. No.				
						faces		
116	-	-	-	-	116	003 General setting view showing North & East faces	NE	16/05/13
117	-	-	-	-	117	003 General setting view showing North & East faces	N	16/05/13
118	-	-	-	-	118	003 General setting view showing South face	SE	16/05/13
119	-	-	-	-	119	003 General setting view showing South face and road	E	16/05/13
120	-	-	-	-	120	003 General setting view showing West & South faces	SW	16/05/13
121	-	-	-	-	121	003 General setting shot along Southern front	W	16/05/13
122	-	-	-	-	122	003 West face with 002 in background	S	16/05/13
123	-	-	-	-	123	003 External East facing elevation (South end)	E	16/05/13
124	-	-	-	-	124	003 External East facing elevation (South half)	SE	16/05/13
125	-	-	-	-	125	003 External East facing elevation (Central portion)	E	16/05/13
126	-	-	-	-	126	003 External East facing elevation (North end)	E	16/05/13
127	-	-	-	-	127	003 External East facing elevation – Bitumen covering, North end	ENE	16/05/13
128	-	-	-	-	128	003 External East facing elevation – Doorway, North end	E	16/05/13
129	-	-	-	-	129	003 External East facing elevation – North half	NE	16/05/13
130	-	-	-	-	130	003 External East facing elevation – South end	E	16/05/13
131	-	-	-	-	131	003 External East facing elevation – Bitumen covering, South end	ESE	16/05/13
132	-	-	-	-	132	003 External East facing elevation – Blocked doorway, South end	E	16/05/13
133	-	-	-	-	133	003 External South facing elevation	SE	16/05/13
134	-	-	-	-	134	003 External South facing	S	16/05/13

Image No.	Print		Slide		Digital	Description	From	Date
	Film No.	Neg. No.	Film No.	Neg. No.				
						elevation (East end)		
135	-	-	-	-	135	003 External South facing elevation (Central end)	S	16/05/13
136	-	-	-	-	136	003 External South facing elevation (West end)	S	16/05/13
137	-	-	-	-	137	003 External South facing elevation (Central portion)	S	16/05/13
138	-	-	-	-	138	003 External South facing elevation Pipe, East end	S	16/05/13
139	-	-	-	-	139	003 External South facing elevation – Pipes, central portion	S	16/05/13
140	-	-	-	-	140	003 External South facing elevation – Pipe, West end	S	16/05/13
141	-	-	-	-	141	003 External South facing elevation – West facing elevation of central portion	W	16/05/13
142	-	-	-	-	142	003 External South facing elevation – East facing elevation of central portion	E	16/05/13
143	-	-	-	-	143	003 External South facing elevation – Stairs (external access to roof)	SW	16/05/13
144	-	-	-	-	144	003 External West facing elevation (South half)	SW	16/05/13
145	-	-	-	-	145	003 External West facing elevation (South end)	W	16/05/13
146	-	-	-	-	146	003 External West facing elevation (Central portion)	W	16/05/13
147	-	-	-	-	147	003 External West facing elevation (North half)	NW	16/05/13
148	-	-	-	-	148	003 External West facing elevation (North end)	W	16/05/13
149	-	-	-	-	149	003 External West facing elevation – Damage to central portion	W	16/05/13
150	-	-	-	-	150	003 External West facing elevation – Blocked doorway (South end)	W	16/05/13
151	-	-	-	-	151	003 External North facing elevation (West end)	N	16/05/13
152	-	-	-	-	152	003 External North facing elevation (Central portion)	N	16/05/13
153	-	-	-	-	153	003 External North facing elevation (East end)	N	16/05/13
154	-	-	-	-	154	003 External North facing	NNE	16/05/13

Image No.	Print		Slide		Digital	Description	From	Date
	Film No.	Neg. No.	Film No.	Neg. No.				
						elevation		
155	-	-	-	-	155	003 External North facing elevation – Opening at base	N	16/05/13
156	-	-	-	-	156	003 External North facing elevation – Opening at base	N	16/05/13
157	-	-	-	-	157	003 External North facing elevation – Opening at base	N	16/05/13
158	-	-	-	-	158	003 External North facing elevation – Damage to central portion	N	16/05/13
159	-	-	-	-	159	003 – Shot of roof (East half)	WNW	16/05/13
160	-	-	-	-	160	003 – Shot of roof (West half)	ENE	16/05/13
161	-	-	-	-	161	003 Pipes in centre of roof	N	16/05/13
162	-	-	-	-	162	003 Looking down into Room (West half)	N	16/05/13
163	-	-	-	-	163	003 Looking down into Room (East half)	N	16/05/13
164	-	-	-	-	164	Shot of roadway	N	16/05/13
165	-	-	-	-	165	Detail of kerb on roadway	NNE	16/05/13
166	-	-	-	-	166	Internal 003 – General shot for Room B	N	16/05/13
167	-	-	-	-	167	Internal 003 – General shot for Room B	S	16/05/13
168	-	-	-	-	168	003 Internal Room B South wall elevation	N	16/05/13
169	-	-	-	-	169	003 Internal Room B North wall elevation	S	16/05/13
170	-	-	-	-	170	003 Internal Room B East wall elevation	N	16/05/13
171	-	-	-	-	171	003 Internal Room B East wall elevation	S	16/05/13
172	-	-	-	-	172	003 Internal Room B West wall elevation	N	16/05/13
173	-	-	-	-	173	003 Internal Room B West wall elevation	S	16/05/13
174	-	-	-	-	174	003 Internal Room B – Floor	N	16/05/13
175	-	-	-	-	175	003 Internal Room B – Floor	S	16/05/13



Image No.	Print		Slide		Digital	Description	From	Date
	Film No.	Neg. No.	Film No.	Neg. No.				
176	-	-	-	-	176	003 Internal Room B – Roof	S	16/05/13
177	-	-	-	-	177	003 Internal Room B – Roof	N	16/05/13
178	-	-	-	-	178	003 – Metal door between Rooms B&C	E	16/05/13
179	-	-	-	-	179	003 Internal Room C North wall elevation	S	16/05/13
180	-	-	-	-	180	003 Internal Room C South wall elevation	N	16/05/13
181	-	-	-	-	181	003 Internal Room C East elevation	SW	16/05/13
182	-	-	-	-	182	003 Internal Room C West wall elevation, with doorway	NE	16/05/13
183	-	-	-	-	183	003 Internal Room C west wall elevation to north of doorway	S	16/05/13
184	-	-	-	-	184	003 Internal Room C – Roof southern end	N	16/05/13
185	-	-	-	-	185	003 Internal Room C – Roof middle section	S	16/05/13
186	-	-	-	-	186	003 Internal Room C – Roof northern end	S	16/05/13
187	-	-	-	-	187	003 Internal Room C – Floor	W	16/05/13
188	-	-	-	-	188	003 Internal Room D South wall elevation	N	16/05/13
189	-	-	-	-	189	003 Internal Room D – Roof	N	16/05/13
190	-	-	-	-	190	003 Internal Room D – Floor	N	16/05/13
191	-	-	-	-	191	003 Internal Room D East wall elevation	W	16/05/13
192	-	-	-	-	192	003 Internal Room A – General shot	NE	16/05/13
193	-	-	-	-	193	003 Internal Room A – General shot	SW	16/05/13
194	-	-	-	-	194	003 Internal Room A West wall elevation	E	16/05/13
195	-	-	-	-	195	003 Internal Room A West wall elevation	E	16/05/13
196	-	-	-	-	196	003 Internal Room A West wall elevation	E	16/05/13
197	-	-	-	-	197	003 Internal Room A	N	16/05/13

Image No.	Print		Slide		Digital	Description	From	Date
	Film No.	Neg. No.	Film No.	Neg. No.				
						South wall elevation		
198	-	-	-	-	198	003 Internal Room A West wall elevation (South end)	W	16/05/13
199	-	-	-	-	199	003 Internal Room A West wall elevation (Middle)	W	16/05/13
200	-	-	-	-	200	003 Internal Room A West wall elevation (North end).	W	16/05/13
201	-	-	-	-	201	003 Internal Room A North wall elevation	S	16/05/13
202	-	-	-	-	202	Room A Plinth (detail iii)	N	16/05/13
203	-	-	-	-	203	Room A Plinth (detail iii)	E	16/05/13
204	-	-	-	-	204	Room A both plinths located in centre of Room A (detail iii)	SE	16/05/13
205	-	-	-	-	205	Room A pipes on East wall	W	16/05/13
206	-	-	-	-	206	Room A pipes on West wall	E	16/05/13
207	-	-	-	-	207	Room A pipes on South wall and plinths (detail vi)	N	16/05/13
208	-	-	-	-	208	Room A Wooden plaque	E	16/05/13
209	-	-	-	-	209	Room A pipes on roof	E	16/05/13
210	-	-	-	-	210	Room A Plinths (detail vi)	N	16/05/13
211	-	-	-	-	211	Room A Plinth (detail v)	E	16/05/13
212	-	-	-	-	212	Room A Plinth (detail ii)	W	16/05/13
213	-	-	-	-	213	Room A Plinth (detail i)	S	16/05/13
214	-	-	-	-	214	Room A Plinth (detail iv)	N	16/05/13
215	-	-	-	-	215	Room A pipes behind plinth (detail iv)	E	16/05/13
216	-	-	-	-	216	Room A along roof	NW	16/05/13
217	-	-	-	-	217	Room A along roof	SE	16/05/13
218	-	-	-	-	218	Room A central hole for ventilation	E	16/05/13
219	-	-	-	-	219	Room A Floor	SE	16/05/13
220	-	-	-	-	220	Room A Floor	NW	16/05/13
221	-	-	-	-	221	003 General shot of Room E	S	16/05/13
222	-	-	-	-	222	003 General shot of Room E	N	16/05/13
223	-	-	-	-	223	003 Internal Room E North wall elevation	S	16/05/13
224	-	-	-	-	224	003 Internal Room E West	E	16/05/13

Image No.	Print		Slide		Digital	Description	From	Date
	Film No.	Neg. No.	Film No.	Neg. No.				
						wall elevation (North end)		
225	-	-	-	-	225	003 Internal Room E West wall elevation (Middle)	NE	16/05/13
226	-	-	-	-	226	003 Internal Room E North wall elevation (South end)	S	16/05/13
227	-	-	-	-	227	003 Internal Room E East wall elevation (South end)	S	16/05/13
228	-	-	-	-	228	003 Internal Room E North wall elevation (North end)	N	16/05/13
229	-	-	-	-	229	003 Internal Room E South wall elevation and doorway	N	16/05/13
230	-	-	-	-	230	003 Room E roof South end	S	16/05/13
231	-	-	-	-	231	003 Room E roof North end	N	16/05/13
232	-	-	-	-	232	003 Room E floor North end	S	16/05/13
233	-	-	-	-	233	003 Room E floor South end	N	16/05/13

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