WS Atkins

memorandum

Subject

H AREA (WESTERN FLANK) REMEDIATION

Graham Vincent

From

Bob Watts

Ref

E5275/05/1/02

Date

20th June 1995

Graham,

Following visit by EHO on Friday 16th June 1995 please carry out the following:-

1) Highbridge Street Scheduled Monument.

- a) Cut down remaining 2 No. trees.
- b) Scrape up temporary road. Fill open pit.
- c) Apply Terram 1000 excluding permanent road and services chambers.
- d) Reinstate temporary road.
- e) Apply 200 300mm all in ballast over remaining area.

2) <u>H Area/Western Flank Tree Belt.</u>

- a) Construct clay ramps on terram to cut face.
- b) Cut fence.
- c) Excavate 6 No. trial pits, I will log.
- d) Samples to be taken as advised.
- e) Backfill trial pits and refix fence.

3) Hoppit Pool Sluice Peninsula.

- a) Cut down remaining trees, grind all stumps to ground level. Before grinding most southern stump, pre-excavate to remove asbestos and ensure Fitzjohn operatives wear masks. Additional Fitzjohn resources for this task.
- b) Scrape surface area to remove vegetation.
- c) Remove all scrap and cut timber.
- d) Apply Terram 1000 and cover with 200 300mm all in ballast.
- e) Apply Terram, clay and all in ballast cover to areas where tail race wall has been destroyed by excavation (for sewer) and trees.
- f) When convenient excavate cover to sewer, buried asbestos and water shoot under former temporary road.

Regards
BOB WATTS.

Copy:- Steve Chaddock

WS Atkins memorandum To Graham Vincent. Subject H Avea. - Copy Adam Ford. From Bob Watt S Jate 7 February 94 Ref E5275 . Craham, Further to me mo on Clean Dury operation it is necessary to prepare for H Area remediation inch will be dictated by the ontrome of the planning application 1) Prepare for demotition by to & H13 and H8. Adamtera to mark thems for removal. Trusses in H& are to be tagged, evaned to ground level, disassembled and transported to boilerhouse. Pails to be lifted With cave. HIS recoverstates. Timber for bushont 1' Kemore remaining building stabs and dead servues related. 3) Remove 300 barriers complete to L168 4) HE mound for T Area reful/reinstatement 5) Kenneve lamposts and poles (but not in SM Area) 6) Swape site of H12 and muchaway (with PMLH wet material?) (for Azoo), radiators, cable etc. 8) Backful to excavated canal. Seal surface to prevent ingres of contamination and stabilise by mix?



Epping Forest District Council

Planning & Technical Services Department, Civic Offices, Epping, Essex. CM16 4BZ

Telephone: Epping (0992) 564000

Head of Planning & Technical Services Department K. Sharman, C. Eng., M.I.C.E., M.I.H.T.

J Shingler

Direct Line: (0992) 564106 If telephoning please ask for

Your ref: E5275/05/1/01

Our ref: PL/7000/JS/GD/EPF/2/94.SM

W S Atkins Environment

Woodcote Grove .

Epsom Surrey

KT18 5BW

MR R E WATTS

6 July 1994

Dear Sir

WALTHAM ABBEY RARDE NORTH SITE **CONSULTATION UNDER CIRCULAR 18/84 DEMOLITION OF 5 BUILDINGS**

I write to inform you that this Council has considered the above application and on 27 June 1994 determined to raise no objection to the proposal subject to compliance with approved procedures regarding contaminated buildings.

Yours faithfully

J Shingler BA.(Hons.) MRTPI

Senior Planning Officer



British Aerospace Defence Limited Royal Ordnance Division Sewardstone Road, Waltham Abbey Essex EN9 1AY, England Telephone (0992) 788634 Fax (0992) 788635

MEMORANDUM

TO: R. Watts

A. Ford

FROM: G.G. Vincent

DATE: 12th July 1994

SUBJECT: SEMINAR/ENGLISH HERITAGE SATURDAY 6TH AUGUST 1994

CC: G. Bulloch, P. Mayell, Team, D. Bone

I believe, from Dan Bone, there could be as many as 100 people present for the whole day.

Can you please advise what arrangements are required to be organised by R.O., in advance and on the day.

For safety reasons alone we will require two staff personnel to be present on the day, their time will be applied mostly to Saturday working on site anyway.

Please advise the route and other details of the 'Site Tour'.

I believe catering arrangements will be by English Heritage.

Thank you.

Regards,

Graham Vincent

WS Atkins

Subject H31 Sump.

memorandum

To Craham Vincent.

bobwatts

E5275

Date 24|2|94.

Covaham, It would not be acceptable to leave such underground structures in a residential development site.

Slablevel = 19.50

Depth of Sump = 1487 4.63 indeep say 5m with base.

- 2) Excarate (using a breaker) to remove concrete union is probable Heinforced. Disc cutter for reinforcement. Batterfaces.
- 3) Complete excavation at undisturbed level. Backfill with imported material, compacted
- 4) Remove redundant Servies.

5) Dewater as necessary

6) levard stages with photographs and dimensioned sketch: 7) Avisings to be stored awaiting classification. Bobwards

PS/ Summar approach required for H24.

copy AF

WS Atkins

Subject H8.

memorandum

To Adam Ford.

From Bob Watt S

Ref E5275

Date 31/12/93.

Adam,

Jupending Demolition J H8:

It is anticipated the Mound of H8 mile be removed and H8 demotished with in this financial year. You may ush to mark items for retention.

Bolowart

THE ROYAL GUNPOWDER FACTORY, WALTHAM ABBEY, ESSEX AN RCHME SURVEY, 1993

Area H





THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY NUMBER OLD SERIES RCHME NUMBER N.G.R. TL 37638 00938 NAME/FUNCTION START DATE END DATE (992.

NO PHOTOGRAPHY AVAILABLE

CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES 1972 ERDE List; Store 1992 RARDE List; Store 1992 FBRC Store
PHOTOGRAPHY	PHOTOGRAPHY
HISTORIC	RCHME

RELATIONSHIPS WITH OTHER MONUMENTS

ASSOCIATED WITH: H2,H3,H5,H6,H10,H11,H32,H66,H72

CONDITION

Demolished

DESCRIPTION

- 4) DIMENSIONS i) L 6.6m ii) W 2.92m
- 5) This modern building was demolished in 1992, a concrete floor slab remains.

Floor slab removed in summer 1994

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY NUMBER OLD SERIES RCHME NUMBER N.G.R. TL 37625 00923 NAME/FUNCTION START DATE END DATE 1992.

NO PHOTOGRAPHY AVAILABLE

CARTOGRAPHIC DEPICTION

DOCUMENTARY REFERENCES
1972 ERDE List; Store
1992 RARDE List; Store
1992 FBRC Flammable Gas Store

PHOTOGRAPHY
HISTORIC

PHOTOGRAPHY
RCHME

RELATIONSHIPS WITH OTHER MONUMENTS

ASSOCIATED WITH: H1,H3,H6,H10,H11,H32,H66,H71

CONDITION

Demolished

DESCRIPTION

- 4) DIMENSIONS i) L 6.1m ii) W 3m
- 5) Modern building demolished in 1992, concrete floor slab remains.

Hoor Slap removed in Summer 1994

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY			
NUMBER OLD SERIES H3	RCHME NUMBER	N.G.R. TL 37629 00925	
NAME/FUNCTION Solvent store	START DATE	END DATE	
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION DOCUMENTARY REFERENCES 1) RARDE list 1992 - Solvent store			
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME 1) 206/S/30 17 Mar 1993 Floo	or slab from East	
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH:			
CONDITION Demolished			
DESCRIPTION 4) DIMENSIONS i) L 5.4m ii) W 3m 5) Modern building demolished in 1992, concrete floor slab remains. Hour stab remared in Junior of 1994			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY NUMBER **OLD SERIES** RCHME NUMBER H5 TL 37628 00936 START DATE NAME/FUNCTION END DATE 994 Store NO PHOTOGRAPHY **AVAILABLE** DOCUMENTARY REFERENCES CARTOGRAPHIC DEPICTION ERDE List; Store 1972 RARDE List; Store 1992 **FBRC Radiation** 1992 **PHOTOGRAPHY PHOTOGRAPHY** HISTORIC **RCHME** 1) 206/S/36 17 Mar 1993 From East RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: H1,H2,H3,H6,H11,H32,H66,H71 CONDITION Good DESCRIPTION CONSTRUCTIONAL MATERIAL Pre-cast concrete slabs ROOF MATERIALS AND STRUCTURE 2) Corrugated asbestos POWER SOURCE 3) Electricity DIMENSIONS i) L ii) W iii) HT 4) Roof + Superstructure dismantled and stered. Floor state removed survey 1994 5)

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY			
NUMBER OLD SERIES H6	RCHME NUMBER	N.G.R. TL 37620 00933	
NAME/FUNCTION Store	START DATE	END DATE	
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION	DOCUMENTARY REFEREN 1972 ERDE List; Store 1992 RARDE List; Store 1992 FBRC Radiation		
PHOTOGRAPHY HISTORIC PHOTOGRAPHY RCHME 1) 206/S/36 17 Mar 1993 From East			
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: H1,H2,H3,H5,H10,H11,H32,H66,H71			
CONDITION Good			
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Pre-cast concrete slabs 2) ROOF MATERIALS AND STRUCTURE Corrugated asbestos			
3) POWER SOURCE Electricity			
4) DIMENSIONS i) L ii) W iii) HT 5) Modern garage. Roof + Superstmeture and spined floor stab	removed (dis	mantled) mer 1994	

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY NUMBER OLD SERIES RCHME NUMBER N.G.R. H7 186 TL 37560 01100 NAME/FUNCTION START DATE END DATE Cordite Reel drying stove 1904 1916? Laundry 1916? Magazine

NO PHOTOGRAPHY AVAILABLE

CARTOGRAPHIC DEPICTION c1910 WASC 900/65; Reel Drying Stove No.1 c1910 WASC 900/79; Reel Drying Stove No.1 1917 WASC 900/70; Reel Drying Stove No.1 1917 WASC 900/72; 186 1919 WASC 900/74; 186 c1920 WASC 900/80; 186 1923 WASC 900/84; 186 1923 WASC 900/87; 186 > 1940 WASC 900/87; 186 > 1940 WASC 900/91A; 186 1954 A - B.34; H7 c1960 WASC 900/91A; H7 c1963 WASC 900/97; H7 1972 WASC 900/102; H7 1972 WASC 900/104; H7 1976 WASC 900/113; H7	DOCUMENTARY REFERENCES 1908 RGPF Ledger WASC 1509 + WASC 1764; Reel Drying Stove, Truck Porch, Traverse. built 1904 p20 c1925 RGPF Ledger WASC 1680; Reel Drying Stove, Truck Porch, Traverse H7 c1945 RGPF Ledger WASC 1508; Reel Drying Stove, Truck Porch, Traverse H7 Plan: H07 B01 - B08; Plans and Elevations? to 1961 1972 ERDE List; Magazine and Store 1916 1992 RARDE List; Magazine 1992 FBRC Class 1 Explosives 1993 RCHME NBR No 91448
PHOTOGRAPHY HISTORIC RELATIONSHIPS WITH OTHER MONUMENTS	PHOTOGRAPHY RCHME 1) 206/H/12 02 Feb 1993 From South East 206/T/6 17 Mar 1993 From South West 206/T/7 17 Mar 1993 Cordite Reel drying stove in traverse 206/T/32 17 Mar 1993 Expense Magazine from South East 2) BB92/26052 H7 Cordite Reel Magazine view from South East BB92/26248 H7 Entrance view from West showing Toe Board between Dirty and Clean Area BB92/26343 H7 RGPF Drawing H7 B.06 Proposed Reel Stove

ASSOCIATED WITH: H8, H10, H12

Good

CONDITION

DESCRIPTION

- CONSTRUCTIONAL MATERIAL
 Brick in English bond
- 2) ROOF MATERIALS AND STRUCTURE
 Roofing felt over timber boards and single aisle Fink truss
- 3) POWER SOURCE
 Electricity formerly also steam heat
- 4) DIMENSIONS i) L 26.65m ii) W 9.57m iii) HT eave 3.4m
- 5) See attached RCHME Threatened Buildings Section Report

ROYAL COMMISSION ON THE HISTORICAL MONUMENTS OF ENGLAND

MOD Building Nos H7 and H8 Reel Drying Stoves The Royal Gunpowder Factory Waltham Abbey Essey

NBR No: 91448

NGR: TL 37560 001100

These buildings are a matching pair of Reel Drying Stoves which were built in 1904 on the Great Hoppit site of the Royal Gunpowder Factory. They each contained a single large room with racks for drying cordite. Cordite reels were brought here for drying before reeling in a separate building (H10).

Of one storey, they each have a rectangular plan of eight bays and are constructed of yellow brick laid in English bond, with "truck porches" at the north and south ends.

-00000-

Situated on the Great Hoppit part of the site of the Royal Gunpowder Factory at Waltham Abbey, these buildings were built in 1904 as a pair of Reel Drying Stoves. Building No. H7 and Building no. H8 to its south were almost identical and were known as Reel Drying Stove 1 and Reel Drying Stove 2 respectively. Cordite would have been pressed in other building such as the former gunpowder mill buildings, then dried in one of these Stoves before it was taken to a Reeling House for winding.

Surrounded by earth traverses on the Great Hoppit site of the Royal Gunpowder Factory, both buildings have overall dimensions of 26.65 x 9.57 metres, with a height to the eaves of 3.4 metres. They have a rectangular plan of eight bays, with "truck porches" at the north and south ends.2

The porches, to which tramways originally ran, each contain the remains of a "barrier board" approximately 200 mm high. As a safety precaution to prevent grit and dust entering the building, the 2 workers had to stand on a special "shoe board" and don leather over-boots before stepping over the barrier board into the building.³ From the porch, each building was entered on the north and south sides through a wide doorway which had a cambered head of brick.

Each building was a single large room containing racks for drying the cordite reels. When the buildings were first built in 1904, acetone was used in the cordite mixing process. The drying process was to remove the acetone from the cordite. Steam pipes, associated with the drying, entered the building at the north and south ends of the building, as witnessed by blocked round openings at the east and west sides of the north and south elevations.

The buildings are constructed of yellow brick laid in English bond and have plinths of chamfered brick which respect the

Although the buildings are aligned north-north-west to south-south-east, for clarity in this report they are described as if they were aligned north to south.

Ledger c1908, cat. WASC 1509 (PRO, Hayes Repository) and drawings of "Proposed Reel Stove, Great Hoppit, RGPF", undated, cat. H7.B.06 (MOD Central Disposals Unit, Chessington).

Although describing safety precautions on the site some four years before these Reel Drying Stoves were built, the function of shoe boards and barrier boards is outlined in an article "The Deadliest Spot near London" by Alfred Arkas in The Penny Pictorial Magazine, No. 35, Vol. 3, 3 February 1900, cat. WASC 412.

Drawings of "Proposed Reel Stove, Great Hoppit, RGPF", undated, cat. H7.B.06 (MOD Central Disposals Unit, Chessington).

porches. The porches were of corrugated iron.⁵ The roof trusses were of iron. The main roof of each building is hipped and has a zinc covering, and the porch roofs are almost flat.⁶

There were windows at approximately every second bay on the east and west elevations of both buildings. The windows have red-brick arched heads and brick closers and were part of the original phase of construction.⁷ On the outside of each window was an electric light.⁸

Alterations made to Building No. H8 include the replacement of the corrugated iron fabric of the porches with timber fabric, the insertion of a small window with a flat head and closers on the east elevation, the subsequent blocking of all the windows, and the insertion of a partition wall in stretcher-bond brick. A new timber porch on the west elevation. The doors from the porch are in the position of an earlier window. Interrupting the plinth on both the east and west elevations is a small addition with a lead-lined floor and a lean-to roof. The doors from the position of an earlier window.

In Building No. H7 double doors with cambered heads at the north and south sides have been replaced by square-headed double doors of steel. A steel door was also added on the east elevation. All the windows were blocked. New roofing was added to both buildings in c1940, following bomb damage.¹¹

At least latterly the buildings have been used as stores. The interiors were not inspected at the time of this survey.

Surveyed March 1993 Report by R L Burgess

Ledger c1908, cat. WASC 1509 (PRO, Hayes Repository) and drawings of "Proposed Reel Stove, Great Hoppit, RGPF", undated, cat. H7.B.06 (MOD Central Disposals Unit, Chessington).

Ledger c1908, cat. WASC 1509 (PRO, Hayes Repository) and drawings of "Proposed Reel Stove, Great Hoppit, RGPF", undated, cat. H7.B.06 (MOD Central Disposals Unit, Chessington).

Drawings of "Proposed Reel Stove, Great Hoppit, RGPF", undated, cat. H7.B.06 (MOD Central Disposals Unit, Chessington).

Drawings of "Proposed Reel Stove, Great Hoppit, RGPF", undated, cat. H7.B.06 (MOD Central Disposals Unit, Chessington).

Drawing of Reel Stove No. 2: "Additional Loading Porch" on west side, with barrier board, shoe box and gunmetal rails, dated 10/1/1941, cat. H8.B.15 (MOD Central Disposals Unit, Chessington).

The interior of the addition on the west side was not inspected.

Bomb damage no. 2 reel store 15/10/1940, cat. WASC 1655/66-68.

Drawing showing details of new roofing, dated 7.12.1940, cat. H7.B.04 (MOD Central Disposals Unit, Chessington).

History of H7

There were three constructional phases in the history of H7 and each is described below.

Cordite Reel Drying Stove, 1904-

The architectural history of this phase is described in detail in the RCHME Threatened Buildings Report, although a few details are noted here.

The barrier boards in the 'truck porches' although mentioned in the RCHME report do not exist now, although their positions as defined on the proposed plan for the building can be seen on the ground.

The RCHME report states that there are round blocked openings for the steam pipes on the north and south elevations. It appears that the steam pipes were removed with the surrounding bricks, and replaced with yellow stock inserted into the original fabric.

The proposed plan shows the bay walls to have 'cambered heads' on the exterior elevations. This design was not taken up and the walls were constructed with 'straight heads' as shown on the 1945 plan.

There are three lightening conductors on the roof although the original plan only shows two.

Use as a Laundry

The RCHME component sheet sates that from c1916 the building was used as a laundry. It is also marked as such on a map of 1923. Further evidence of this, and how this fits in with the 1945 refurbishment could not be found during a rapid search of the archive.

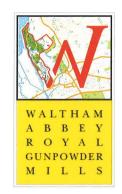
1945 Refurbishment

A number of new features were added during this phase of refurbishment.

- All the existing windows in the east and west elevations were replaced, and the two windows on the north and south elevations were inserted.
- Two internal e-w-running walls were inserted dividing the building into three bays.
- A porch on the eastern elevation was added with a door added to gain access into the new central bay.
- New double doors replaced the earlier doors in the north and south elevations.
- The 'truck porches' were replaced with the ones visible today.

1961 Conversion to a Magazine

- Modifications were made to the northern bay. All the windows in the building
 were blocked up, although it is not clear on the plan for the modifications whether
 this had already taken place.
- The vent on the western elevation was replaced with an extractor fan. This has since been blocked up.
- A trap on the western elevation was replaced with a invert trap and a gulley inlet. This has since been blocked up.
- Internally, the brickwork on the eastern third of the northern e-w wall was thickened, and the new part raised in height. The five baffle walls to hold racks were inserted, as were radiators associated with them. A small room with a door was added west of the door into the bay onto the northern elevation. The racks in the room remain *in situ*.



THE
WALTHAM ABBEY
ROYAL GUNPOWDER
MILLS COMPANY
LIMITED

Mr S Chaddock 2 Oughtonhead Farm Cottage Pirton Road Hitchin Herts SG5 2EU

Our Ref: WARGM/AJP/45

28 August 1998

Dear Steve

Research into H7

As requested, I have carried out some research into H7. Please find enclosed the following:

- ⇒ History of H7
- ⇒ Copy of RCHME Threatened Building Report
- ⇒ Copy of plan from 1902
- ⇒ Copy of plan from 1945
- ⇒ Copy of plan from 1961

The report includes details on the different phases of activity, although I was unable to find out much about the its use as a laundry, which itself appears strange given the dates quoted and its subsequent use and refurbishment, which gives the impression be continuing in use as a Reel Drying Stove.

The report includes details of the interior e-w walls that were inserted in 1945 and the baffle walls, which were inserted in 1961.

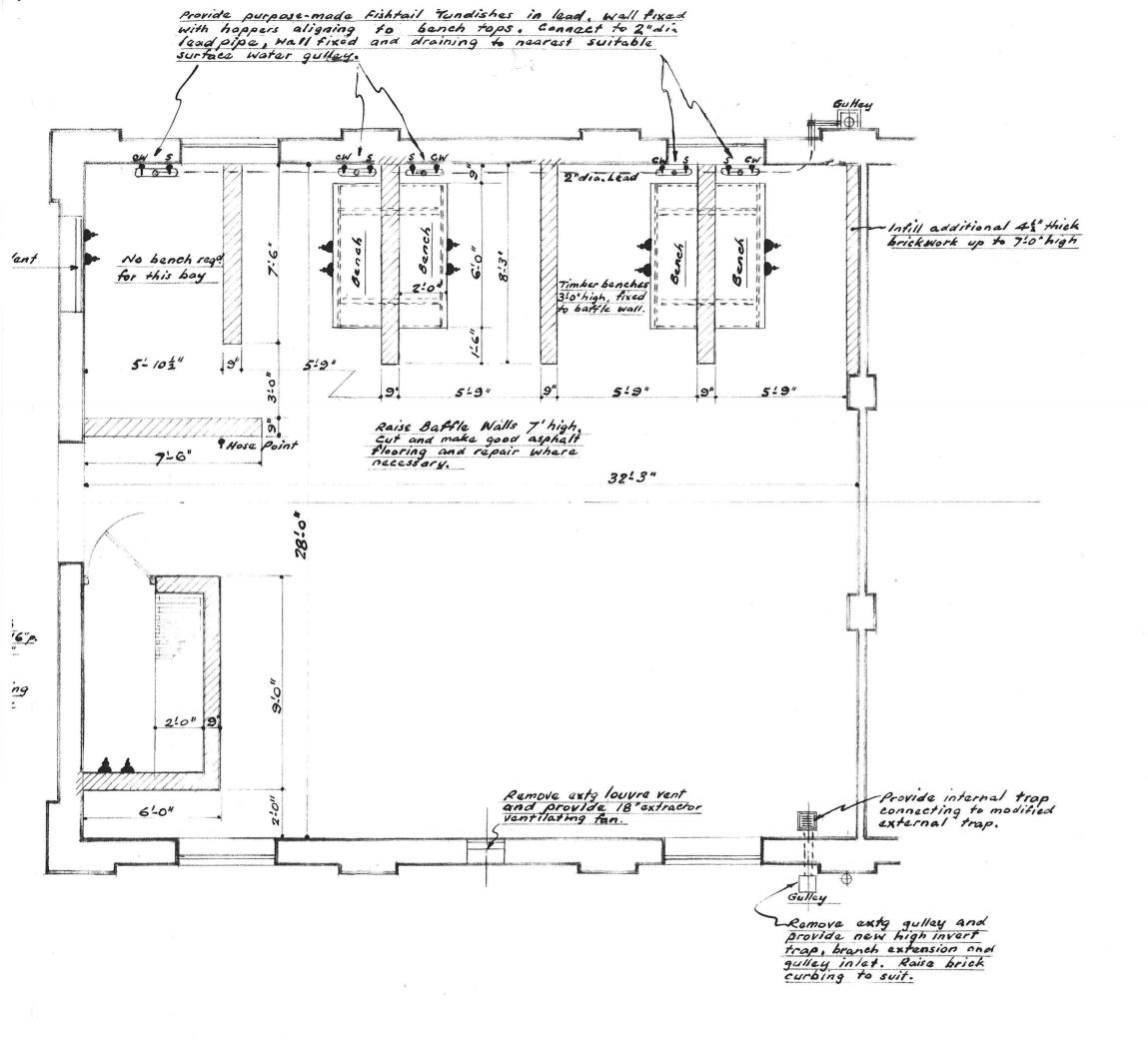
I hope the enclosed is useful for the meeting. Please note that Clive England has complete copies of two of the plans; he should be bringing them along to the meeting with you.

Have a relaxing Bank Holiday.

Regards

POWDERMILL LANE WALTHAM ABBEY ESSEX EN9 1BN TELEPHONE: 01992 767022 FAX: 01992 710341

Registered Charity No. 1062968/0 Company registered in England No. 3376501 VAT No. 697 0791 81 Registered Office: Bank House 66 High Street Dawley Telford Shropshire TF4 2HD



Steam poin; 95. Electrical S. 2:0"

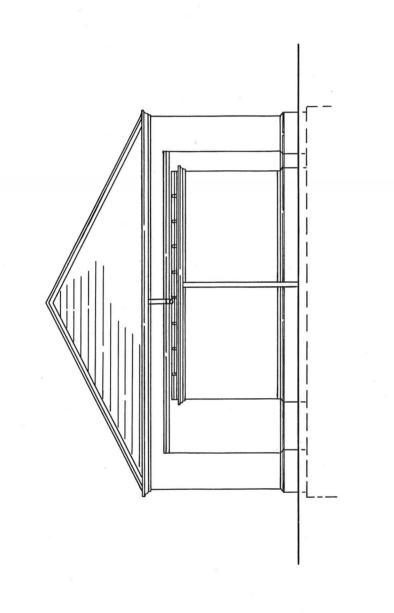
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Services Legand.

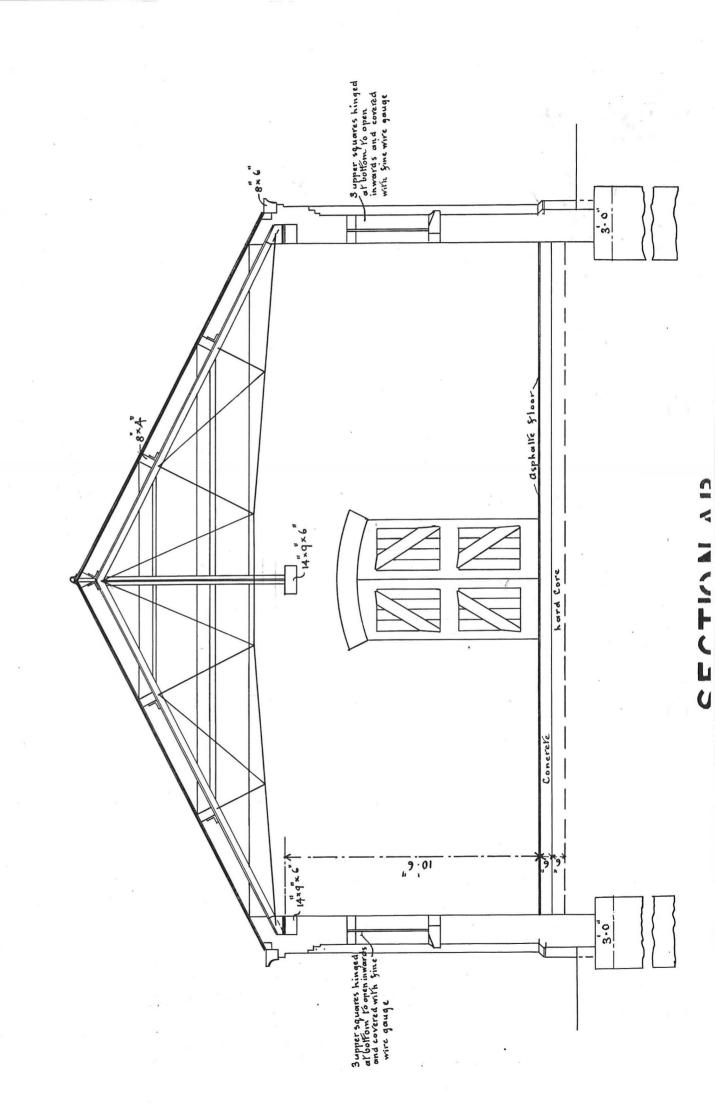
Cold wi zr

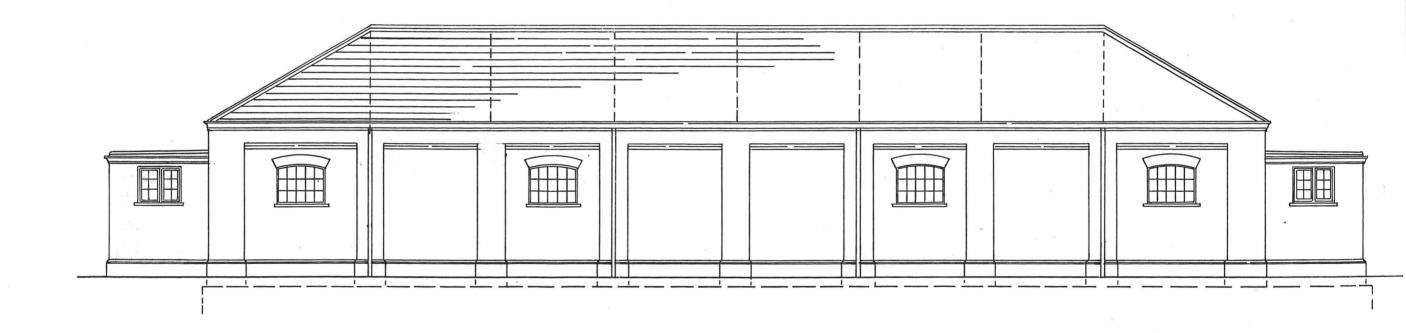
9 C.W

BENCH DETAIL



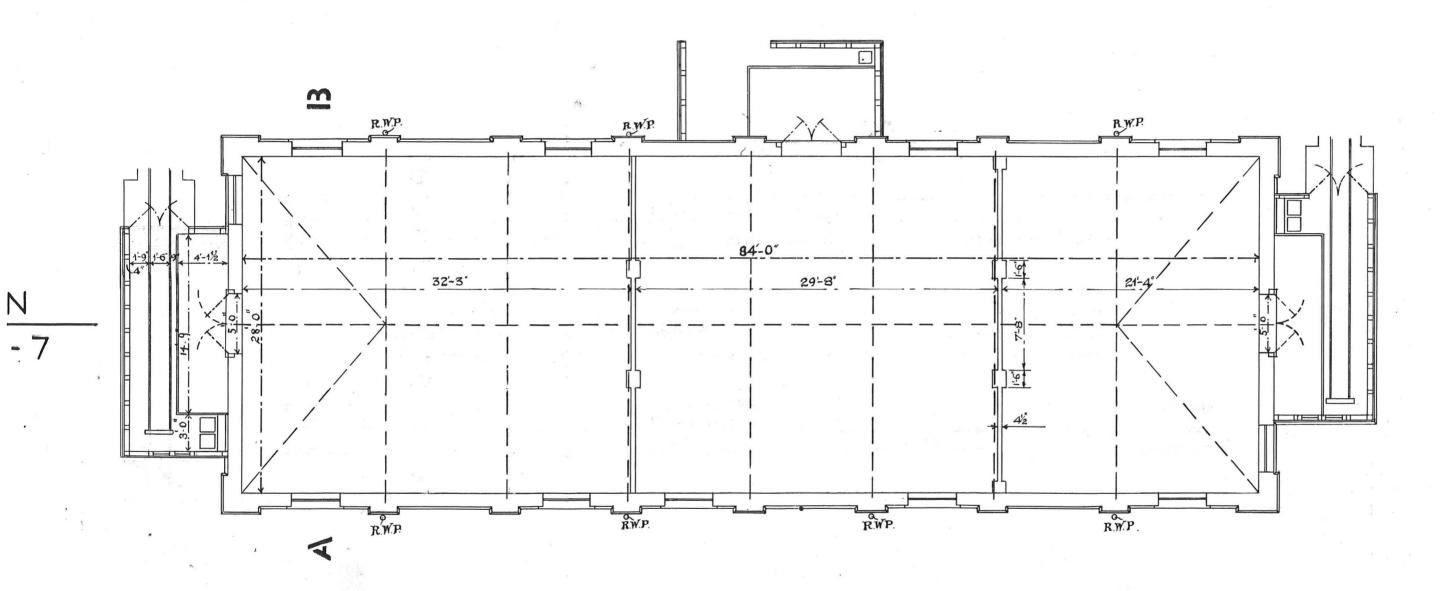
END ELEVATION



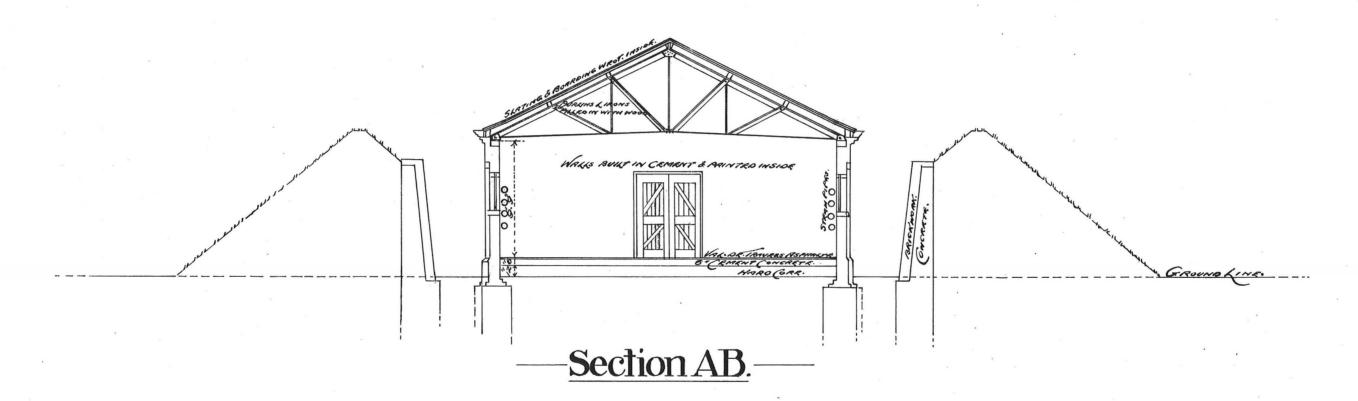


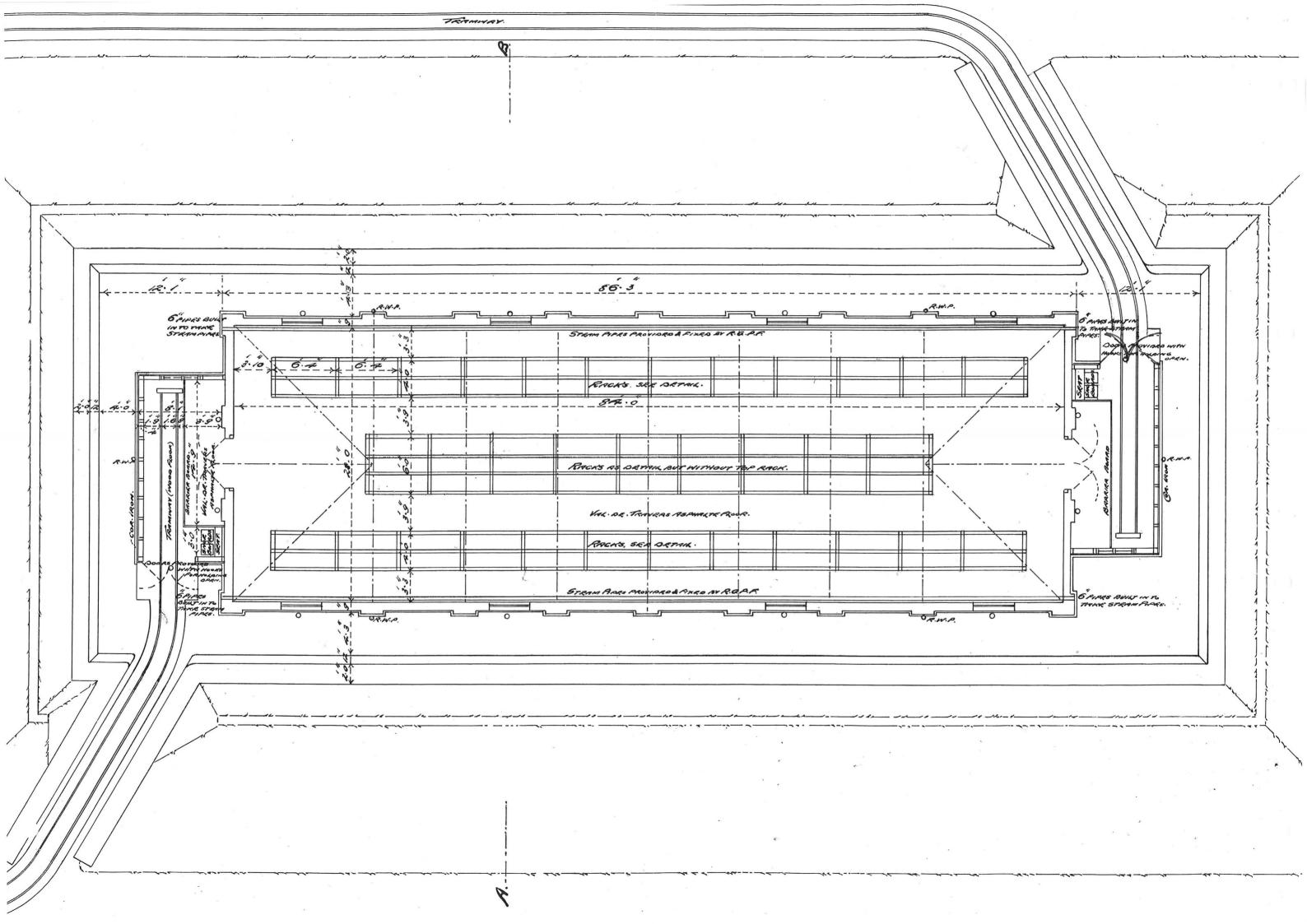
SIDE ELEVATION

SIDE ELEVATION

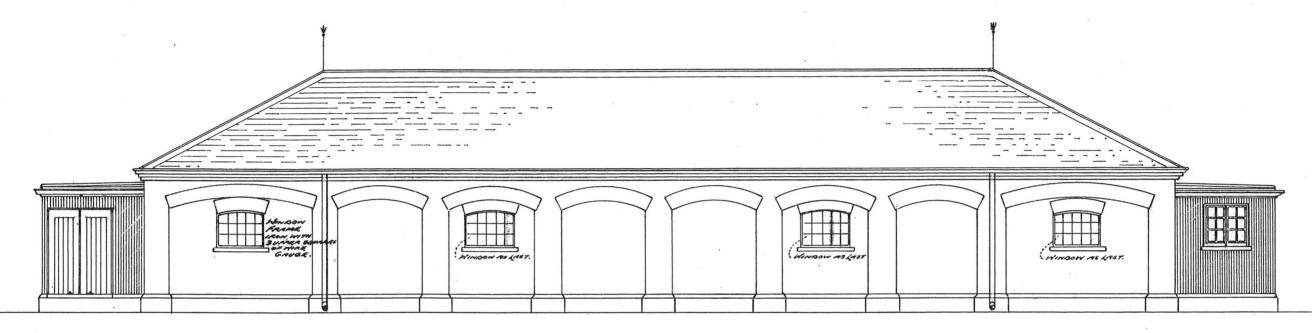


PLAN



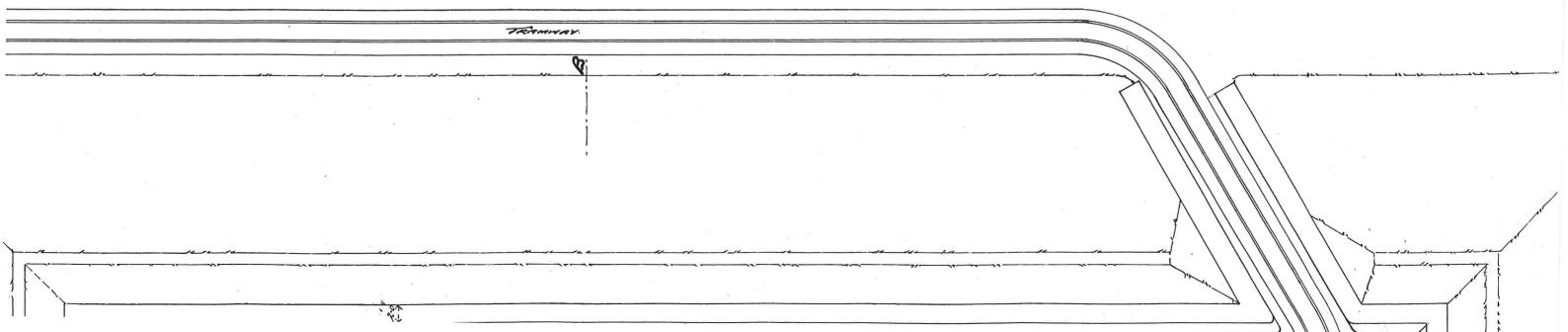


SCALE OFFET TO IINCH.



- Side Elevation.-

LECTRIC LIGHT POINTS (IA) ARE SHEWN THUS. O



H7.fre.

Waltham Abbey Royal Gunpowder Mills

RFI No: 130

Request For Information from

Thomas Ford & Partners

Fax: (1181 6593146

	То	Company	Fax.	From
•	Steven Chaddock	WARGM Co Ltd	speed dial #16	Clive England
*	David Prince/ Stephen Bashford	Prince Research Consultants	#8	
*	Adrian Howell/ David Higgins	Turner & Townsend	#9	
*	David Gosling	Event Communications	#10	Date: 20.10.98
*	Andrew Kirk	Kensall Par:nership	#11	Time: 17:26
*	Stuart Pearson	Pearson Landscape	#12	
*	Nicholas Ronalds/ Jo Wright	Harris & Sutherland	#14	
Ħ	John New	Edward Pearce & Partners #15		Sheets (total):1
Ŧ	John Bowles	WARGM Co Ltd	#13	,
	Distribution (fax only): as * Bold for action All to T&T (DH)			Ref: 753201

Query

H7 - Following research on site and at the PRO, I can find no evidence for the zinc roof previously proposed for the building. From 1902 to 1939 the building appears to have had a main slate roof 'slating and boarding wrot inside', the north and south lean-to's are unlabelled but drawn as a metal roof with rolls. The spacing of the rolls and typical construction elsewhere on the site would indicate zinc rather than lead. In 1940 the roof was replaced in 'Ruberoid and Cretex on Durasteel sheets', together with some additions to the secondary roof joinery. The roof is now finished in felt, presumably over this later construction.

Unless there are any objections (or other evidence) I would now propose to return to the slate/zinc roofs of 1902-39, suitably upgraded with insulation. This is likely to involve the removal of the timber packings, Durasteel etc. added in 1940.

Signed:

Response

(please respond using this sheet and numbering, even if only to refer to other documents)

WARGM Co.

Date Rec'd 21 OCT 1993

File

Action Copy

Signed:

Date:

NUMBER OLD SERIES RCHME NUMBER N.G.R. H8 199 START DATE Cordite Reel drying stove Magazine NAME/FUNCTION Cordite Reel drying stove Magazine N.G.R. TL 37580 01018 END DATE 1904

NO PHOTOGRAPHY AVAILABLE

CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES	
c1910 WASC 900/65; Reel Drying Stove No.2 c1910 WASC 900/79; Reel Drying Stove No.2 1917 WASC 900/70; Reel Drying Stove No.2 1917 WASC 900/72; 199 1919 WASC 900/74; 199 c1920 WASC 900/80; Reel Drying Stove No.2 1923 WASC 900/84; 199 1932 WASC 900/87; 199 > 1940 WASC 900/91A; 199 1954 A - B.34; H8 c1960 WASC 900/94; H8 c1963 WASC 900/97; H8 1972 WASC 900/102; H8 1972 WASC 900/104; H8 1976 WASC 900/113; H8	1908 RGPF Ledger WASC 1509 + WASC 1764; Reel Drying Stove,Truck Porch,Traverse built 1904 p20 c1925 RGPF Ledger WASC 1680; Reel Drying Stove,Truck Porch,Traverse H8 c1945 RGPF Ledger WASC 1508; Reel Drying Stove,Truck Porch,Traverse H8 1972 ERDE List; Magazine 1916 1992 RARDE List; Magazine 1992 FBRC Class 1 Explosives 1993 RCHME NBR No.91448	
PHOTOGRAPHY HISTORIC WASC 1655/66-68 Bomb damage No.2 reel store 15.10.1940 PRO Supply 5 311, 312, 314 Parachute bomb damage 15-Nov-1940	PHOTOGRAPHY RCHME 1) 206/H/11 02 Feb 1993 From South East 206/T/33 17 Mar 1993 Earthen Traverse from South East 206/T/34 17 Mar 1993 From South 206/T/4 17 Mar 1993 Cordite Reel Stove from South West 206/T/5 17 Mar 1993 Showing Steam Pipes entering South East corner 2) BB92/26053 H8 Cordite Reel Magazine view from South West 4) 4788/14 06.05.1993	

RELATIONSHIPS WITH OTHER MONUMENTS

ASSOCIATED WITH: H7, H10, H12

CONDITION

Good

Dem

DESCRIPTION

- 1) CONSTRUCTIONAL MATERIAL Brick in English bond
- ROOF MATERIALS AND STRUCTURE
 Roofing felt over timber boards and Fink truss, originally Supply 5/863 314 shows galvanised metal covering.
- 3) POWER SOURCE
 Electricity and formerly steam heat
- 4) DIMENSIONS i) L 26.75m ii) W 9.7m iii) HT eave 3.65m
- 5) See RCHME Threatened Buildings Section Report at the end of H7.

Building H8 bush out and demolished in Sunner 1994

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY NUMBER OLD SERIES RCHME NUMBER N.G.R. H10 218 TL 37630 00952 NAME/FUNCTION START DATE END DATE Cordite Reeling house 1904 1945 Laboratory area 1950 1992

Devol. 1994

NO PHOTOGRAPHY AVAILABLE

CARTO	GRAPHIC DEPICTION	росим	ENTARY REFERENCES
c1910 c1910 1917 1917 1919 c1920 1923 1932 > 1940	WASC 900/65; Reeling House WASC 900/79; Reeling House WASC 900/70 WASC 900/72; 218 WASC 900/74; 218 WASC 900/80; 218 WASC 900/84; 218 WASC 900/87; 218 WASC 900/91A: 218	1908 c1925 c1945 Plans:	RGPF Ledger WASC 1509 + WASC 1764; Reeling House/Engine House built 1904 p24 RGPF Ledger WASC 1680; Reeling House/Engine House H10 RGPF Ledger WASC 1508; Reeling House/Engine House H10 B01 - B18; Plans and Elevations 1951 to 1984
1954 c1960 c1963 1972 1972	WASC 900/91A ; 218 A - B.34 ; H10 WASC 900/94 ; H10 WASC 900/97 ; H10 WASC 900/102 ; H10 WASC 900/104 ; H10 WASC 900/113 ; H10	1972 1992 1992 1993	ERDE List; Lab Area RARDE List; Lab Area FBRC Explosives laboratory RCHME NBR No.91472

PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME 1) 206/I/35 01 Feb 1993 From South West 206/K/4 01 Feb 1993 From South West 206/S/35 17 Mar 1993 From South East 2) BB92/26045 H10 Cordite Reeling House Laboratory view from South East BB92/26354 H10 Reeling House Plan & Elevations (Chessington)
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RELATIONSHIPS WITH OTHER MONUMENTS

ASSOCIATED WITH: primary H7, H8, H12: secondary H1, H2, H3, H5, H6, H11, H21, H32, H66, H71

condition Good Denvol-

DESCRIPTION

- 1) CONSTRUCTIONAL MATERIAL Brick in English bond
- 2) ROOF MATERIALS AND STRUCTURE
 Roofing felt over double gable with glass roof lights
- 3) POWER SOURCE Electricity and steam heat
- 4) DIMENSIONS i) L 30.85m ii) W 16.38m iii) HT estimate 5m
- 5) The building has a double gable with a central dividing spine wall. It is split into four bays by three partition walls. The wooden panel between each of the partitions is modern and relates to last use of the building as a laboratory.

Budding fired + develophed summer 1994

ROYAL COMMISSION ON THE HISTORICAL MONUMENTS OF ENGLAND

MOD Building No. H10 Reeling House The Royal Gunpowder Factory Waltham Abbey Fssex NBR No: 91472 NGR: TL 37630 00952

Built in 1904 as a Reeling House, this single storey building has a double-pile rectangular plan and a double-gable roof. The main part of the building is of four bays by two bays, around which a covered way creates a further narrow bay on all sides. Reeling of cordite strands took place in three of the four main bays. The covered western end was a tram stop. In the covered eastern end was an engine house and off its east side was a landing stage beside the canal.

The main walls are of yellow brick laid in English bond. Less substantial, the north and south sides of the building were of timber construction. The roof is of iron with bolted timber purlins. The engine house is weatherboarded.

-00000-

Situated on the Great Hoppit part of the site of the Royal Gunpowder Factory at Waltham Abbey, the Reeling House was in built in 1904.¹² The cordite would have been pressed in other buildings such as the former gunpowder incorporating mills, then dried in the Reel Drying Stoves (H7 or H8), before it was brought to this Reeling House for winding strands of cordite on reels by machinery.¹³

Rectangular in plan, the building is of 30.85 x 16.38 metres and has a height of 16.38 metres. The main part of the building is of four bays by two bays, around which a covered way creates a further narrow bay on all sides. Of the main bays, the eastern one is a single room, whereas the other three main bays were divided at the centre to form six rooms which carried reeling machinery. The covered north and south sides were an open corridor. The covered west end had tramways entering from the north and south sides which terminated at a 'shoe board' in the centre. Here workers would have had to don special leather over-boots before stepping over a barrier board into a corridor and around to either the north and south sides where there are two doors to each room. At the eastern end of the building, another tramway approached from the north side to an engine house, which provided power for the building. East of this was a covered landing stage beside the canal, where the cordite reels would have been transferred to a barge and transported to other parts of the site. In

The five partition walls, which are aligned north to south, and the central dividing wall, aligned east to west, are constructed

Ledger c1908, cat. WASC 1509, (PRO, Hayes Repository).

Although describing the process carried out on a building on the south site of the Gunpowder Factory, an article in written in 1900 explains the process of reeling the cordite: The cordite issues from the machine in the shape of a continuous yellowish-brown thread of varying thicknesses. It is wound on brass reels by machinery. The various sizes are cut by machinery into lengths, each representing the regulation charge for the guns for which they are to be used. (The Penny Pictorial Magazine, No. 35, Vol. 3, Week Ending 3 February 1900, cat. WASC 412).

An undated and uncatalogued ink drawing of proposed Reeling House, Great Hoppit, shows these six rooms with reeling machinery secured to the floor with Lewis bolts. (PRO, Hayes Repository).

Drawing of Plan and Sections of Reeling House, Great Hoppit, RGPF Waltham Abbey, cat. H10.B.02 (MOD Central Disposals Unit, Chessington).

Although describing the process carried out on a building on the south site of the Gunpowder Factory, an article in written in 1900 outlines how workers had to done these immense leather over-boots whilst standing on the shoe board, before they were permitted to cross the wooden barrier into the building. (The Penny Pictorial Magazine, No. 35, Vol. 3, Week Ending 3 February 1900, cat. WASC 412).

The reels may have been transported to magazines on the south site of the Gunpowder Factory and then off site for packing.

of yellow brick laid in English bond. The interior brick walls were rendered in cement. The north and south walls are of timber and glass. The relatively insubstantial side walls and roof could be easily replaced in the event of an explosion. The corridors on the north and south sides were originally open. At their outer sides are a row of cast iron columns, upon which the principals of the roof trusses rest.

The roof is constructed of iron with bolted timber purlins and has a zinc covering. ¹⁹ It has a double gable form, comprising four pairs of trusses. The inner principals rest on the central brick wall or, in the case of the easternmost main bay, on an RSJ. The outer principals extend lower to rest on the columns on the north and south sides, thereby creating a covering for the corridor. At the west side the iron roof extends to form a hipped roof over the tramway. The engine house at the east end is timber and has a lean-to roof.

The tie beams of the trusses carried a pair of steam pipes which ran the entire length of the building.²⁰ The tie beams of the trusses in the six reeling rooms also carried shafting for the reeling machinery. The machinery was secured to the floor with Lewis bolts.²¹ The floor may have been lead-covered²² and that of the engine house was concrete.²³ The building was lit both by side windows and skylights and by electric lighting.²⁴

By 1917 the building appears to have ceased functioning as a Reeling House and was used as a Women's Shifting Room and Landing Site.²⁵ In c1951 it was converted into laboratories.²⁶ The covered way beside the engine house appears to have been enclosed, using yellow brick in stretcher bond, at this date.²⁷ The open corridors on the north and south sides were enclosed in c1969.²⁸

Surveyed March 1993 Report by R L Burgess

"A Handbook of the Manufacture and Proof of Gunpowder, as carried on at the Royal Gunpowder Factory, Waltham Abbey," by Captain F M Smith, Royal Artillery, Assistant Superintendent. London, 1870, p43.

Ledger c1908, cat. WASC 1509 (PRO, Hayes Repository).

Drawing of Plan and Sections of Reeling House, Great Hoppit, RGPF Waltham Abbey, cat. H10.B.02 (MOD Central Disposals Unit, Chessington).

An undated and uncatalogued ink drawing of proposed Reeling House, Great Hoppit, (PRO, Hayes Repository).

The ledger of c1908 (cat. WASC 1509) states that the floor of the reeling house was lead-covered but an undated and uncatalogued drawing also at Hayes PRO shows a cement concrete floor (PRO, Hayes Repository).

Ledger c1908, cat. WASC 1509 (PRO, Hayes Repository).

Undated and uncatalogued ink drawing of proposed Reeling House, Great Hoppit (PRO, Hayes Repository).

Site plan of Royal Gunpowder Factory at Waltham Abbey, 1:2500, as named 13 September 1917, revised March 1919 and March 1923, cat. WASC 900/84.

Drawing dated 1/1/1951 showing benches for alterations to laboratories, cat. H10.B.01 (MOD Central Disposals Unit, Chessington).

Plans dated 11/6/1951 for enclosure for rectifier at east end of the building, cat. H.10.B.06. (MOD Central Disposals Unit, Chessington).

Drawing dated 16/5/1969 showing enclosure of verandahs on the building, cat. H10.B.09A (MOD Central Disposals Unit, Chessington).

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY NUMBER OLD SERIES RCHME NUMBER N.G.R. TL 37640 00932 NAME/FUNCTION START DATE END DATE 1940? END DATE 1992

NO PHOTOGRAPHY AVAILABLE

CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES
> 1940 WASC 900/91A 1954 A - B.34; H11 c1960 WASC 900/94; H11 c1963 WASC 900/97; H11 1972 WASC 900/102; H11 1972 WASC 900/104; H11 1976 WASC 900/113; H11	1972 ERDE List; Solvent and Chemical Store 1992 RARDE List; Solvent and Chemical Store 1992 FBRC List; H11?
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME 1) 206/K/8 01 Feb 1993 Waste 206/K/9 01 Feb 1993 From East 206/S/32 17 Mar 1993 From East

RELATIONSHIPS WITH OTHER MONUMENTS

ASSOCIATED WITH: H1, H2, H3, H5, H32, H66, H71

CONDITION

Fair

DESCRIPTION

- 1) CONSTRUCTIONAL MATERIAL Concrete over corrugated iron sheeting
- 2) ROOF MATERIALS AND STRUCTURE Concrete
- 3) POWER SOURCE
- 4) DIMENSIONS i) L 9.1m ii) W 4.1m iii) HT 2.4m
- 5) The structure is semi-circular in shape formed from cast concrete 6" in thickness over corrugated iron. The floor is also concrete into which is set a H girder along the centre line of the building.

The building is presumed to be identical to L197 and RCHME 167.

H11 was demolished in August 1993

flow slab renoved summer

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY				
NUMBER OLD SERIES RCHME NUMBER N.G.R. H12 231 TL 37630 00890				
NAME/FUNCTION Cordite Reel Magazine No.1 Proof Stand		START DATE 1904 1947	END DATE 1947 198?	

NO PHOTOGRAPHY AVAILABLE

CARTOGRAPHIC DEPICTION		DOCUMENTARY REFERENCES	
c1910 c1910 1917 1917 1919 c1920	WASC 900/65; 231 WASC 900/79; 231 WASC 900/70; 231 WASC 900/72; 231 WASC 900/74; 231 WASC 900/80; 231 WASC 900/84; 231	1908 c1925 c1945	RGPF Ledger WASC 1509 + WASC 1764; Reel Magazine built 1904 p26 RGPF Ledger WASC 1680; Reel Magazine (H12) RGPF Ledger WASC 1508; Reel Magazine (H12)
1932 > 1940 1954 c1960 c1963 1972 1972	WASC 900/87; 231 WASC 900/91A; 231 A - B.34; H12 WASC 900/94; H12 WASC 900/97; H12 WASC 900/102; H12 WASC 900/104; H12 WASC 900/113; H12	1946-50 1947 1972 1992	H12 B01 - B13 Plans and Elevations 'The Chemical Research and Development Department its Programme and Facilities CRDD 21 May 1947 (12 page internal document describes proof stand No.1) ERDE List; Reel Magazine/Firing Point RARDE List; Reel Magazine/Firing Point
		1993	RCHME NBR No.91464

PHOTOGRAPHY HISTORIC PHOTOGRAPHY RCHME

1) 206/l/25 01 Feb 1993 Detail along Eastern side 206/l/26 01 Feb 1993 East Firing Bay 206/l/27 01 Feb 1993 West Firing Bay 206/l/28 01 Feb 1993 from South West 206/l/29 01 Feb 1993 Safety Barrier 206/l/36 01 Feb 1993 From South East 206/S/18 17 Mar 1993 Firing Point from South 206/S/21 17 Mar 1993 Firing Point West side 206/S/22 17 Mar 1993 Firing Point West chamber 206/S/23 17 Mar 1993 Firing Point East side 206/S/24 17 Mar 1993 Firing Point East side 206/S/25 17 Mar 1993 Firing Point East side 206/S/25 17 Mar 1993 Firing Point roof detail from South East

206/S/26 17 Mar 1993 Barrier to North Entrance from South

206/S/27 17 Mar 1993 Interior of Firing Point from North

206/S/28 17 Mar 1993 Showing Internal Northern wall 206/T/35 17 Mar 1993 Firing Point from South

2) BB92/26046 H12 Cordite Reel Magazine/Firing Point from South East
BB92/26047 H12 Cordite Reel Magazine East
Chamber from South East
BB92/26048 H12 Cordite Reel Magazine West
Chamber from South West
BB92/26049 H12 Cordite Reel Magazine West
Chamber from South West
BB92/26050 H12 Cordite Reel Magazine East
passage from South West
BB92/26051 H12 Cordite Reel Magazine West
BB92/26051 H12 Cordite Reel Magazine West
passage from North West

BB92/26189 H12 Firing Bay, central Control and Observation room

BB92/26357 H12 Drawing H12.B.01 Proof stand plan 12.April 1947 (Chessington)

RELATIONSHIPS WITH OTHER MONUMENTS

ASSOCIATED WITH: primary H7, H8, H10: secondary H14,H54,H65

CONDITION

Pair Devol

DESCRIPTION

- CONSTRUCTIONAL MATERIAL
 Original structure brick in English bond, later additions concrete and breeze block
- ROOF MATERIALS AND STRUCTURE
 Central control room flat concrete slab, remainder corrugated iron over RSJs
- 3) POWER SOURCE Electricity and steam heat
- 4) DIMENSIONS i) L 17.05m ii) W 13.7m iii) HT 2.85m
- 5) Historic artifacts lights from firing bays, some of the control room equipment and 'tub' with associated pipe work along eastern passage barriers.

See attached RCHME Threatened Buildings Section report.

HIR stripped out, fixed + devolushed & spring 1996

ROYAL COMMISSION ON THE HISTORICAL MONUMENTS OF ENGLAND

MOD Building No. H12 Reel Magazine The Royal Gunpowder Factory Waltham Abbey Essex NBR No: 91464 NGR: TL 37630 00890

Built in 1904 as a Reel Magazine for storing reels of cordite, this single storey building originally had a rectangular plan and is surrounded by a tall earth traverse. It is constructed of yellow brick laid in English bond.

By c1946 the building was converted into a Firing Point and the fabric was reinforced. It then had more of a U-shaped plan contained two firing rooms, two control rooms and a central command room, and contained monopropellant proof stand(s). Bunkers were added at the east and west sides.

-00000-

Building H12 was built in 1904 as a Reel Magazine.²⁹ It is situated on the Great Hoppit part of the Gunpowder Factory site, approximately 60 metres to the south of a Reeling House (H10) of the same date. North of that Reel House are a pair of Reel Drying Stoves (H7 and H8) which were also part of that same 1904 building phase. All these buildings relate to cordite production. After pressing, cordite would have been brought to the Reel Drying Stoves for drying, then taken to the Reeling House for winding strands of cordite, before being brought to this Reel Magazine for storage.

Constructed of yellow brick laid in English bond, the building is surrounded by a tall earth traverse. On the exterior of the traverse, a signal bridge gives access to an opening on the north-west side of the traverse to the building.³⁰

The building was originally rectangular in plan, 37'3" x 22'3" (approximately 11 x 6.5 m) with a projection, 16' x 8'3" (approximately 14.8 x 2.4 m) on the west side.³¹ The main rectangular block is single-storeyed, 13'9" (approximately 4 m) in height and had a gabled roof, and the projection was slightly lower and had a lean-to roof.³² The latter may have functioned as a shoe porch, like those in the contemporary buildings H7, H8 and H10, whereby special leather over-boots would have had to have been put on before entering the building to protect it from grit.³³ Heavy-duty lighting may belong to the original phase or may be secondary. The building was still used as a Reel Magazine by 1923.³⁴

In around 1946-8 the building was converted to a Firing Point and its fabric reinforced as a result.³⁵ In 1945 the Explosives

Ledger c1908, cat. WASC 1509 (PRO, Hayes Repository).

The opening in the traverse is part of the original 1904 phase, and it is shown in the Ledger of c1908, but the actual signal bridge with its barrier may belong to a later phase, cat. WASC 1509 (PRO, Hayes Repository).

The building is aligned north-north-west to south-south-east but for clarity in this report it is described as if it was aligned north to south.

Ledger c1908, cat. WASC 1509 (PRO, Hayes Repository).

Although describing the process carried out on a building on the south site of the Gunpowder Factory, an article in written in 1900 outlines how workers had to done these immense leather over-boots whilst standing on the shoe board, before they were permitted to cross the wooden barrier into the building. (The Penny Pictorial Magazine, No. 35, Vol. 3, Week Ending 3 February 1900, cat. WASC 412).

Site plan of Royal Gunpowder Factory at Waltham Abbey, 1:2500, as named 13 September 1917, revised March 1919 and March 1923, cat. WASC 900/84.

Drawings of ground floor plan and schedules of fabric and reinforcement, dated 12/4/1946, cat. H.12.B.01 (MOD Central Disposals Unit, Chessington). Drawings showing monopropellant proof stand and armour steel screen to motor, dated 21/6/1948, cat. H.12.B.12 (MOD Central Disposals Unit, Chessington).

Research and Development Establishment (ERDE) had taken over the site of the former Gunpowder Factory.³⁶ The Establishment was the sole Government laboratory responsible for research on, and development of, non-nuclear military explosives.³⁷ These were tested vigorously in a number of buildings on the whole of the site. It is not certain which types of explosives were tested in the former Reel Magazine but it is likely that they had less impact than some of the high explosives that had to be tested in specially designed structures, for example at the northern part of the site.³⁸

After conversion to a Firing Point in c1946-8, building H12 comprised two control rooms at its northern end, a central command room, with firing rooms on the east and west sides. Probably at this time the roof was replaced and the projection with lean-to roof was also removed or replaced. The command room and control rooms have a flat roof and the firing rooms are at the present time without roofs, although presumably they were covered originally. Bunkers were added on the exterior of the north and south sides. Looking onto the firing rooms, the sides of the command room and the south end of the control rooms have heavy-duty inspection windows for observing the explosions. Iron rails are positioned diagonally against the inner walls of the firing rooms. They are possibly part of the reinforcement of the building.³⁹ There are concrete beds in the firing rooms.

The firing area was later extended further southward by the addition of walls of red brick and breeze block.

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[&]quot;The Explosives Research and Development Establishment, Waltham Abbey", Research Establishments in Europe: 48, reprinted from <u>Chemistry and Industry</u>, 1965, pp320-327.

[&]quot;The Explosives Research and Development Establishment, Waltham Abbey", Research Establishments in Europe: 48, reprinted from Chemistry and Industry, 1965, pp320-327.

The various types of explosives are described in an article, "The Explosives Research and Development Establishment, Waltham Abbey", Research Establishments in Europe: 48, reprinted from <u>Chemistry and Industry</u>, 1965, pp320-327.

A drawing dated 8/8/1947 shows a Proof Stand No. 1 and the position of these wall rails, cat. H12.B.06, (MOD Central Disposals Unit, Chessington).

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY NUMBER **OLD SERIES** RCHME NUMBER H13 HE13/232a TL 37600 00862 NAME/FUNCTION START DATE END DATE Narrow gauge Locomotive shed 1916 1950? Metal store 1950? 1992

NO PHOTOGRAPHY AVAILABLE

CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES		
1917 WASC 900/68; Engine House 1917 WASC 900/70; Locomotive House 1917 WASC 900/72; 232a 1919 WASC 900/74; 232a c1920 WASC 900/80; 232a 1923 WASC 900/84; 232a 1932 WASC 900/87; 232a > 1940 WASC 900/91A; HE13 1954 A - B.34; H13 c1960 WASC 900/94; H13 c1963 WASC 900/97; H13 1972 WASC 900/102; H13 1972 WASC 900/104; H13 1976 WASC 900/113; H13	Plan; H13 B01 - 30/12/1961; Details of Engine House 1972 ERDE List; Engine Shed/Metal Store 1992 RARDE List; Engine Shed/Metal Store 1992 FBRC List; Metal Store		
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME 1) 206/l/32 01 Feb 1993 From South East 206/S/19 17 Mar 1993 Narrow gauge 18" Locomotive shed from South 206/T/36 17 Mar 1993 Locomotive shed from South 2) BB92/26042 H13 Narrow Gauge Locomotive Shed & Metal store from South East BB92/26043 H13 Narrow Gauge Locomotive Shed & Metal store interior from South East		
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH:			
CONDITION Good Demos.			

H13 fine Develished in Spring/Summer 1996

DESCRIPTION

2)

- 1) CONSTRUCTIONAL MATERIAL
 - ROOF MATERIALS AND STRUCTURE Slate over timber boards ???
- 3) POWER SOURCE Electricity
- 4) DIMENSIONS i) L 10.25m ii) W 4.75m iii) HT 2.5m
- Single storey narrow gauge locomotive shed with gabled ends north and south and three double windows along either side. The building is entered from the south through hinged doors under a concrete lintel. Attached to the exterior wall to the left of the entrance is a metal contraband box. Inside two 18" gauge rails survive insitu.

Historic artifacts: Small enamel sign on north wall, contraband box Western exterior wall.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY NUMBER OLD SERIES RCHME NUMBER N.G.R. TL 37660 00871 NAME/FUNCTION Store shed START DATE 1960? END DATE 1992

NO PHOTOGRAPHY AVAILABLE

CARTOGRAPHIC DEPICTION c1963 WASC 900/97; H14 1972 WASC 900/102; H14 1972 WASC 900/104; H14 1976 WASC 900/113; H14	DOCUMENTARY REFERENCES 1972 ERDE List; Store Shed 1992 RARDE List; Store Shed	
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME 1) 206/l/30 01 Feb 1993 From South 206/K/10 01 Feb 1993 From South West 206/S/14 16 Mar 1993 From South West 206/S/15 16 Mar 1993 Waste 206/S/16 16 Mar 1993 Waste 206/S/17 17 Mar 1993 Waste	

RELATIONSHIPS WITH OTHER MONUMENTS

ASSOCIATED WITH: H12

CONDITION

Good

- CONSTRUCTIONAL MATERIAL
 Breeze block
- 2) ROOF MATERIALS AND STRUCTURE Flat concrete slab
- 3) POWER SOURCE Electricity
- 4) DIMENSIONS i) L 4.7m ii) W 2.3m iii) HT 2.5m
- 5) A small breeze block building with double wooden doors on its south west side and a single wooden door to the north east. Demolished August 1993.

NUMBER OLD SERIES RCHME NUMBER N.G.R. H15 NAME/FUNCTION Air raid shelter Store glass technology NAME/FUNCTION START DATE 1940? 1992

NO PHOTOGRAPHY AVAILABLE

CARTOGRAPHIC DEPICTION > 1940 WASC 900/91A 1954 A - B.34; H15 c1960 WASC 900/94; H15 c1963 WASC 900/97; H15 1972 WASC 900/102; H15 1972 WASC 900/104; H15 1976 WASC 900/113; H15	DOCUMENTARY REFERENCES 1972 ERDE List; Concrete Air Raid Shelter 1992 RARDE List; Concrete Air Raid Shelter .
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME 1) 206/K/11 01 Feb 1993 From South 206/I/31 01 Feb 1993 From South 206/S/12 16 Mar 1993 Air Raid Shelter from South West

RELATIONSHIPS WITH OTHER MONUMENTS

ASSOCIATED WITH:

CONDITION Good

- 1) CONSTRUCTIONAL MATERIAL Concrete
- 2) ROOF MATERIALS AND STRUCTURE Flat 9" concrete slab
- 3) POWER SOURCE Electricity
- 4) DIMENSIONS i) L 9.23m ii) W 5.2m iii) HT 2.44m
- Concrete air raid shelter with two staggered entrances on the south side. Traces of wavy camouflage paint remain on the exterior.
 Demolished August 1993.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY NUMBER OLD SERIES RCHME NUMBER N.G.R. TL 37620 01006 NAME/FUNCTION START DATE 1916 Cordite Press House 1916 1950?

1950?

NO PHOTOGRAPHY AVAILABLE

1916	CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES	
HISTORIC RCHME 1) 206/S/11 16 Mar 1993 Site of used for Waste Sorting	1917 WASC 900/68; Cordite Press House 1917 WASC 900/70; 246a 1917 WASC 900/72; 246a 1919 WASC 900/74; 246a c1920 WASC 900/80; 246a 1923 WASC 900/84; 246a 1932 WASC 900/87; 246a > 1940 WASC 900/91A 1954 A - B.34; H16 c1960 WASC 900/94; H16 c1963 WASC 900/97; H16 1972 WASC 900/102; H16 1972 WASC 900/104; H16	c1945 RGPF Ledger WASC 1508; Press House No.10 Plans; H16 B01 - B43; Plan and Elevations 1916 to 1975 1938 Text Book of Explosives 1938 H.M.S.O ChpXV p99-111 Figs 15.2-9 1972 ERDE List; Cordite Press House	
		RCHME 1) 206/S/11 16 Mar 1993 Site of used for Waste Sorting	

RELATIONSHIPS WITH OTHER MONUMENTS

Electronics glass blowers heat transfer

ASSOCIATED WITH: H19

CONDITION

Demolished

DESCRIPTION

The building has been demolished, the concrete floor slab at the time of survey was being used for the storage of contaminated waste and was therefore unavailable for inspection.

Floor slab removed sunner 1994

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY NUMBER H17 OLD SERIES RCHME NUMBER TL 37620 01006 NAME/FUNCTION Sewer pump house START DATE 1960? END DATE 1992 in use.

NO PHOTOGRAPHY AVAILABLE

CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES	
c1960 WASC 900/94 c1963 WASC 900/97 ; H17 1972 WASC 900/102 ; H17 1972 WASC 900/104 ; H17 1976 WASC 900/113 ; H17	1972 ERDE List ; Sewer Pump House 1992 RARDE List ; Sewer Pump House	
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME 1) 206/H/10 02 Feb 1993 From 206/T/3 17 Mar 1993 From South West	

RELATIONSHIPS WITH OTHER MONUMENTS

ASSOCIATED WITH: H24, H31, L126, L170

CONDITION Good

DESCRIPTION

1) CONSTRUCTIONAL MATERIAL

Brick

- 2) ROOF MATERIALS AND STRUCTURE Roofing felt over timbers boards supported on a RSJ
- 3) POWER SOURCE Electricity
- 4) DIMENSIONS i) L 4.32m ii) W 3.4m iii) HT 2.85m
- 5) The rectangular brick pump house is set on a small earthen mound. The building is entered through a single blue door on the west side and is lit by a window on the north side. Inside the building the two pumps remain.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY NUMBER OLD SERIES RCHME NUMBER N.G.R. TL 37650 00750 NAME/FUNCTION START DATE 1914-18? Shifting and Dining House 1970?

NO PHOTOGRAPHY AVAILABLE

CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES	
1919 WASC 900/74 c1920 WASC 900/80 1923 WASC 900/84 ; 261a 1932 WASC 900/87 ; 261a > 1940 WASC 900/91A ; H19 1954 A - B.34 ; H19 c1960 WASC 900/94 ; H19 c1963 WASC 900/97 ; H19	c1925 RGPF Ledger WASC 1680; Womens Shifting & Dining Room c1945 RGPF Ledger WASC 1508; Womens Shifting & Dining Room 1972 ERDE List; Shifting and Dining Room 1992 RARDE List; Shifting and Dining Room	
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME	

RELATIONSHIPS WITH OTHER MONUMENTS

ASSOCIATED WITH: H16

CONDITION

Demolished

DESCRIPTION

5) No surface remains are visible.

No foundations found during surface strip out

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY				
NUMBER OLD SERIES RCHME NUMBER N.G.R. H21 TL 37680 00755				
NAME/FUNCTION START DATE END DATE 1957? 197/				

NO PHOTOGRAPHY

AVAILABLE

CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES	
1954 A - B.34 c1960 WASC 900/94 ; H21 c1963 WASC 900/97 ; H21 1972 WASC 900/102 ; H21 1972 WASC 900/104 ; H21 1976 WASC 900/113 ; H21	Plans; H21 B01 -B02 Plans and Elevations 1982 1972 ERDE List; Magazine 1992 RARDE List; Magazine	
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME 1) 206/H/9 02 Feb 1993 From South East 206/T/2 17 Mar 1993 From South East	

RELATIONSHIPS WITH OTHER MONUMENTS

ASSOCIATED WITH: H10

CONDITION

Good

- 1) CONSTRUCTIONAL MATERIAL Brick
- 2) ROOF MATERIALS AND STRUCTURE Corrugated translucent plastic
- 3) POWER SOURCE Electricity
- 4) DIMENSIONS i) L 1.9m ii) W 1.9m iii) HT 2.7m
- The building is square with a single red door on the eastern side shielded by a brick wall 4.3m in length and 2.3m high. The building is protected by a lightning conductor. At the building the path to H10 may be closed by a red and white plastic chain.

 Demolished August 1993.

NUMBER H21/1 NAME/FUNCTION Building NO PHOTOGRAPHY AVAILABLE CARTOGRAPHIC DEPICTION 1960 Drg Nol.SG/8: H21 1967 O.S. Plan TL 3700 NE PHOTOGRAPHY HISTORIC RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: H22 CONDITION Demolished DESCRIPTION 1) CONSTRUCTIONAL MATERIAL 2) ROOF MATERIALS AND STRUCTURE 3) POWER SOURCE 4) DIMENSIONS i) L ii) W iii) HT 5) The number H21 was re-allocated to a later building.		THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY				
Building post 1945 by 1972 NO PHOTOGRAPHY AVAILABLE CARTOGRAPHIC DEPICTION 1960 Drg NolSG/8: H21 1967 O.S. Plan TL 3700 NE PHOTOGRAPHY HISTORIC RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: H22 CONDITION Demolished DESCRIPTION 1) CONSTRUCTIONAL MATERIAL 2) ROOF MATERIALS AND STRUCTURE 3) POWER SOURCE 4) DIMENSIONS i) L ii) W iii) HT		OLD SERIES	RCHME NUMBER			
CARTOGRAPHIC DEPICTION 1960 Drg NolSG/8: H21 1967 O.S. Plan TL 3700 NE PHOTOGRAPHY HISTORIC PHOTOGRAPHY HISTORIC PHOTOGRAPHY HISTORIC PHOTOGRAPHY HISTORIC PHOTOGRAPHY RCHME POWER SOURCE 4) DIMENSIONS i) L ii) W iii) HT			11	III		
1960 Drg NoLSG/8: H21 1967 O.S. Plan TL 3700 NE PHOTOGRAPHY HISTORIC PHOTOGRAPHY RCHME RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: H22 CONDITION Demolished DESCRIPTION 1) CONSTRUCTIONAL MATERIAL 2) ROOF MATERIALS AND STRUCTURE 3) POWER SOURCE 4) DIMENSIONS i) L ii) W iii) HT						
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: H22 CONDITION Demolished DESCRIPTION 1) CONSTRUCTIONAL MATERIAL 2) ROOF MATERIALS AND STRUCTURE 3) POWER SOURCE 4) DIMENSIONS i) L ii) W iii) HT	1960 Drg NoLSG/8: H	121	DOCUMENTARY REFER	RENCES		
ASSOCIATED WITH: H22 CONDITION Demolished DESCRIPTION 1) CONSTRUCTIONAL MATERIAL 2) ROOF MATERIALS AND STRUCTURE 3) POWER SOURCE 4) DIMENSIONS i) L ii) W iii) HT						
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL 2) ROOF MATERIALS AND STRUCTURE 3) POWER SOURCE 4) DIMENSIONS i) L ii) W iii) HT		THE OTHER MONITIMENTS				
1) CONSTRUCTIONAL MATERIAL 2) ROOF MATERIALS AND STRUCTURE 3) POWER SOURCE 4) DIMENSIONS i) L ii) W iii) HT						
3) POWER SOURCE 4) DIMENSIONS i) L ii) W iii) HT	ASSOCIATED WITH:	H22				
4) DIMENSIONS i) L ii) W iii) HT	ASSOCIATED WITH: CONDITION De DESCRIPTION	H22 molished				
,	ASSOCIATED WITH: CONDITION De DESCRIPTION 1) CONSTRUCT	H22 molished TIONAL MATERIAL				
	ASSOCIATED WITH: CONDITION De DESCRIPTION 1) CONSTRUCT 2) ROOF MATE	molished TIONAL MATERIAL ERIALS AND STRUCTURE				

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY					
NUMBER H22	R OLD SERIES	RCHME NUMBER	N.G.R. TL 37680 00742		
NAME/FU Building		START DATE post 1945	END DATE by 1967		
	NO PHOTOGRAPHY AVAILABLE				
	RAPHIC DEPICTION 3 No LSG/8; H22	DOCUMENTARY REFEREN	NCES		
PHOTOGRAPHY HISTORIC PHOTOGRAPHY RCHME					
	RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: H21/1				
CONDITIO	ON Demolished				
	DESCRIPTION 1) CONSTRUCTIONAL MATERIAL				
2) I	ROOF MATERIALS AND STRUCTURE				
3) I	POWER SOURCE				
4) I	DIMENSIONS i) L ii) W iii) HT				
5) 1	No surface remains of this building were seen.				

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY			
NUMBER H23	OLD SERIES 272A	RCHME NUMBER	N.G.R. TL 37676 00718
NAME/FUNCTION Work takers office Storage shed	е	START DATE 1918	END DATE

NO PHOTOGRAPHY AVAILABLE

CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES	
1917 WASC 900/70; Work Takers Office 1917 WASC 900/72; 272a 1919 WASC 900/74; 272a c1920 WASC 900/80; 272a 1923 WASC 900/84; 272a 1932 WASC 900/87; 272a > 1940 WASC 900/97; 272a > 1954 A - B.34 c1960 WASC 900/94; H23 c1963 WASC 900/97; H23 1972 WASC 900/102; H23 1972 WASC 900/104; H23 1970 WASC 900/104; H23 1971 WASC 900/104; H23 1972 WASC 900/104; H23 1972 WASC 900/104; H23 1973 WASC 900/104; H23 1974 WASC 900/104; H23	c1925 RGPF Ledger WASC 1680; Work Takers Office c1945 RGPF Ledger WASC 1508; Work Takers Office 1972 ERDE List; Storage Shed 1992 RARDE List; Storage Shed	
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME 1) 206/H/5 02 Feb 1993 From South East 206/S/1 16 Mar 1993 From South East	

RELATIONSHIPS WITH OTHER MONUMENTS

ASSOCIATED WITH:

CONDITION Good Demotished

- 1) CONSTRUCTIONAL MATERIAL Brick
- 2) ROOF MATERIALS AND STRUCTURE Roofing felt over timber boards
- 3) POWER SOURCE Electricity
- 4) DIMENSIONS i) L 10.7m ii) W 4.1m iii) HT gable 3.9m
- A single storey brick gabled building, the building was entered from the eastern side through a single door flanked on either side by small windows. The building is lit by a row of windows on the north and south sides and a window on the west side. There is a further door into the rear of the building on the south side. Demolished August 1993.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY NUMBER OLD SERIES RCHME NUMBER N.G.R. TL 37630 00712 NAME/FUNCTION START DATE 1916 END DATE 1992

NO PHOTOGRAPHY AVAILABLE

CARTOGRAPHIC DEPICTION		DOCUMENTARY REFERENCES	
1917 1917 1919 c1920 1923 1932 > 1940 1954 c1960 c1963 1972 1972	WASC 900/70; Pump WASC 900/72; 273a WASC 900/74; 273a WASC 900/80; 273a WASC 900/84; 273a WASC 900/87; 273a WASC 900/91A; 273a A - B.34; H24 WASC 900/94; H24 WASC 900/97; H24 WASC 900/102; H24 WASC 900/104; H24 WASC 900/104; H24 WASC 900/104; H24 WASC 900/103; H24	Plan; H24 1972 1992	B01 - 1916; Drawing Great Hoppit - Details of Sewage Tank Pump ERDE List; Sewage Pump House RARDE List; Sewage Pump House
PHOTOGRAPHY HISTORIC		RCHM 1) 206/I	OGRAPHY E I/37 01 Feb 1993 From South East S/3 16 Mar 1993 From North East

RELATIONSHIPS WITH OTHER MONUMENTS

ASSOCIATED WITH: H17,H31,L126,L170

CONDITION Good Demotished

- 1) CONSTRUCTIONAL MATERIAL
- 2) ROOF MATERIALS AND STRUCTURE Flat concrete slab
- 3) POWER SOURCE Electricity
- 4) DIMENSIONS i) L 2.58m ii) W 2.57m iii) HT 2.45m
- 5) The pump house is a small brick building with a single door on the north side. Demolished August 1993.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY OLD SERIES RCHME NUMBER NUMBER N.G.R. 275b TL 37660 00665 H25 NAME/FUNCTION START DATE END DATE Womens Hospital 1916 1947 1947 Flats

NO PHOTOGRAPHY AVAILABLE

CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES	
1916 WASC 900/66a; Hospital and Extension 1916 WASC 900/67a; Hospital and Extension 1917 WASC 900/68; Womens Hospital 1917 WASC 900/70; Womens Hospital (Remains of) 1917 WASC 900/72; 275b 1919 WASC 900/74; 275b c1920 WASC 900/80; 275b 1923 WASC 900/84; 275b 1932 WASC 900/87; 275b > 1940 WASC 900/87; 275b > 1940 WASC 900/91A; H25 1954 A - B.34; H25 c1960 WASC 900/94; H25 c1963 WASC 900/97; H25 1972 WASC 900/102; H25 1972 WASC 900/104; H25 1976 WASC 900/113; H25	c1925 RGPF Ledger WASC 1680; Womens Hospital RGPF Ledger WASC 1508; Womens Hospital Plans; H25 B01 - B16; Plan and Elevations 1916 to 1947 1972 ERDE List; Old Surgery/Womens Hospital RARDE List; Old Surgery/Womens Hospital RCHME NO.91450	
PHOTOGRAPHY HISTORIC WASC 1350 Sandhurst Hospital	PHOTOGRAPHY RCHME 1) 206/H/1 02 Feb 1993 Womens Hospital from South East 206/S/5 16 Mar 1993 Womens Hospital from South East 2) BB92/26039 H25 Womens Hospital view from North West BB92/26040 H25 Womens Hospital view from North East BB92/26041 H25 Womens Hospital view from South East BB92/26028 H25 Interior of Womens Hospital Ground floor North West room, view from West. BB92/26229 H25 Interior of Womens Hospital view of stairs from first floor landing from South.	

RELATIONSHIPS WITH OTHER MONUMENTS

ASSOCIATED WITH: H25a, H26

CONDI	ITION Fair
DESCRI 1)	IPTION CONSTRUCTIONAL MATERIAL Weather board over timber frame
2)	ROOF MATERIALS AND STRUCTURE Asbestos? tiles
3)	POWER SOURCE Electricity
4)	DIMENSIONS i) L 12m ii) W 10.3m iii) HT estimate 6m
5)	See attached RCHME Threatened Buildings Section report Demolished August 1993

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ROYAL COMMISSION ON THE HISTORICAL MONUMENTS OF ENGLAND

MOD Building No. H25 Women's Hospital The Royal Gunpowder Factory Waltham Abbey Essex NBR No: 91450 NGR: TL 37660 00665

NGR: 1L 3/000 0000

Built in 1916-17 as the Women's Hospital on site at the Royal Gunpowder Factory, building number H25 is a wood-framed building with a weatherboard exterior. It originally had a Y-shaped plan and comprised a two-storeyed rectangular main range with a pair of single-storey wards at the rear.

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The Women's Hospital is situated approximately 25 metres to the west of the other hospital on site at the Gunpowder Factory, the Sandhurst Hospital (H26).

Built in c1916-17, it originally had a Y-shaped plan which comprised a main two-storeyed range and two single-storey wings projecting on the south-west and north-west sides.⁴⁰ Only the central two-storeyed range survives. It is 12 x 10.3 metres in plan, and approximately six metres to the gable.

Entered through a doorway on the east front, the ground floor of the main range contains an entrance hall (approximately 1.5 metres wide), with two main rooms on each side. The heated south-east front room was the nurses' sitting room. West of this is an unheated room which functioned as a "dark room", and toward the south-west end of the hall there are toilets, a bathroom, linen stores and cupboards. On the north side of the entrance hall is a north-east front room which was a kitchen and had a range on its north wall. Entered by both the hall and the kitchen, an unheated room on the west side of the kitchen was the scullery. It contains a larder, sink and hot water system and there is a on its north wall is a back door. West of the scullery is a staircase to the first floor. The north-west room, which is of one storey and has a flat roof with skylights, was the operating room.

The six rooms on the first floor were three nurses bedrooms, matron's bedroom, servants bedroom and bathroom.

The single-storeyed western end of the building has been demolished. At the end of the main entrance hall there was a corridor leading to a ward in each of the two wings. On the west side of the corridor was a nurses duty room which had inspection windows looking out to the wards on the north and south sides. Each ward contained four beds and had, on the east side, a verandah, lobby and wc.

A wood-framed building with a weatherboard exterior, the Women's Hospital has a concrete plinth around the east, south and north sides. The roof is of standard rafter construction, with no trusses, and has plain timber bargeboards and tile coverings on the exterior.

The entrance door is set back beyond an arched frame which is flush with the house front. The windows and entrance arch have flat hoods with moulded corbels. The windows for the ward wings were double-hung sashes.

The staircase on the north side of the entrance hall is a dog-leg stair with winders. It has plain balusters and newels posts and a rounded handrail against the wall, following the rise of the stairs. The stair is lit by a pair of six-panelled windows. Most of the fireplaces in the building appear to have had bead and reel decoration.

Plans and Elevations of Women's Hospital, dated 31/7/1916, cat. H25.B.02 (MOD Central Disposals Unit, Chessington).

The building ceased to be used as a hospital around the middle of this century. Plans dated 1947 show a proposed conversion of the building, including the wards, into four flats.⁴¹ The removal of the western wings did not take place until some time after 1972.⁴²

A separate brick structure on the north side of the house is divided into four sheds with four doors on its south side. It appears to be secondary and probably functioned as a coal store and general shed.

Main Reference: Plans and Elevations of Women's Hospital, dated 31/7/1916, cat. H25.B.02 (MOD Central Disposals Unit, Chessington).

Surveyed March 1993 Report by R L Burgess

Plan showing proposed conversion of the hospital into four flats, dated 20/1/1947 (amended 25/1/1947, cat. H25.B.16 (MOD Central Disposals Unit, Chessington).

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY			
NUMBER H25a	OLD SERIES	RCHME NUMBER	N.G.R. TL 37650 00681
NAME/FUNCTION Toilet block		START DATE 1916	END DATE

NO PHOTOGRAPHY AVAILABLE

CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME 1) 206/H/4 02 Feb 1993 From South West 206/S/4 16 Mar 1993 From East

RELATIONSHIPS WITH OTHER MONUMENTS

ASSOCIATED WITH: H25

CONDITION

Fair

DESCRIPTION

- 1) CONSTRUCTIONAL MATERIAL Brick
- 2) ROOF MATERIALS AND STRUCTURE Roofing felt over timber boards
- 3) POWER SOURCE None
- 4) DIMENSIONS i) L 6.2m ii) W 2.95m iii) HT 3.2m
- 5) Small single gabled toilet block, four single doors on the south side. The western cubicle retains an ash pit while the others are floored. There is a single door on the rear of the building at the western end.

Demolished August 1993.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY NUMBER OLD SERIES RCHME NUMBER N.G.R. TL 37678 00669 NAME/FUNCTION START DATE 1894 1947? Flats 1947?

NO PHOTOGRAPHY AVAILABLE

CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES	
1897 WASC 900/53C c1910 WASC 900/65; Hospital c1910 WASC 900/79; Hospital 1917 WASC 900/70; Mens Hospital 1917 WASC 900/72; Mens Hospital 1919 WASC 900/74; 276 c1920 WASC 900/80; 276 1923 WASC 900/84; 276 1932 WASC 900/87; 276 > 1940 WASC 900/91A; 276 1954 A - B.34; H26 c1960 WASC 900/94; H26 c1963 WASC 900/102; H26 1972 WASC 900/104; H26	1908 RGPF Ledger WASC 1509 + WASC 1764; Hospital built 1895 p31 c1925 RGPF Ledger WASC 1680; Hospital (H26) c1945 RGPF Ledger WASC 1508; Hospital Plans; H26 B01 - B05 Plans and Elevations 1894 to 1949 1972 ERDE List; Residential/Old Sandhurst Hospital 1992 RARDE List; Residential/Old Sandhurst Hospital 1993 RCHME NBR No.91449	
1976 WASC 900/113 ; H26		
PHOTOGRAPHY HISTORIC 1) Strand Magazine 1895 2) PRO Supply 5/860 104 189? Eastern elevation	PHOTOGRAPHY RCHME 1) 206/H/2 02 Feb 1993 Sandhurst Hospital from South 206/N/12 12 Mar 1993 Sandhurst Hospital from South East 206/S/6 16 Mar 1993 Sandhurst Hospital 1894 plaque 206/S/7 16 Mar 1993 Sandhurst Hospital from South East 2) BB92/26037 H26 Sandhurst Hospital built 1894 view from South West BB92/26038 H26 Sandhurst Hospital built 1894 view from South East BB92/26230 H26 Sandhurst Hospital 1894 Interior,ground floor North room,view from West.	

ASSOCIATED WITH: H25

Good

CONDITION

D	FS	CR	P	T	0	N

- 1) CONSTRUCTIONAL MATERIAL Brick
- 2) ROOF MATERIALS AND STRUCTURE Tile
- 3) POWER SOURCE Electricity
- 4) DIMENSIONS i) L 17.4m ii) W 13.1m iii) HT estimate 7m
- 5) A terracotta plaque on the east wall has the following legend 'Sandhurst Hospital 1894'.

See attached RCHME Threatened Buildings Section report.

ROYAL COMMISSION ON THE HISTORICAL MONUMENTS OF ENGLAND

MOD Building No. H26 Sandhurst Hospital The Royal Gunpowder Factory Waltham Abbey Fssex NBR No: 91449 NGR: TL 37678 00669

The Sandhurst Hospital was built in 1894 as a short-stay surgery for injured workmen at the Royal Gunpowder Factory. It contained two wards, containing six or seven beds in total, three nurses' rooms, a cook's room, a kitchen, a scullery, and a store. The building is constructed of yellow brick with red brick bands, and has a timber verandah and timber trussed gables. It has a T-shaped plan, the central part of which rises to two storeys.

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Named after Lord Sandhurst, who officially opened the building shortly after it was completed in 1894,⁴³ the new hospital was described in 1895 as standing "... close to one of the myriad streams that intersect the vast grounds of the factory, and is intended solely for the benefit of injured workmen".⁴⁴

T-shaped in plan, the overall dimensions of the building are 17.4 x 13.1 metres. The height of the central two-storeyed block is approximately seven metres. Behind a verandah on the east side of the building, the main entrance led to a lobby which, in turn, led to the ground floor rooms and to stairs to the first floor. On the south side of the lobby is a heated room which was the nurse's room, with a window on its south wall for viewing a ward at the southern end of the building. This ward, which contained four beds, has a fireplace on its north wall and a projection off its west side for a sink and earth closet. A heated room on the north-east side of the lobby was a ward for two or three beds. The projecting western side of the building contains rooms which were originally a kitchen, a cook's room, a scullery, a bathroom and a store. At the north-west end of the lobby is a straight staircase with winders at the top and bottom. Beside the stair is a back door leading to an outside earth closet and sink.

The first floor rooms were two nurses' rooms, only the south one of which was heated, and a linen closet.

The building is constructed of yellow brick which is laid in English bond except in the western projections, at the back of the building, where the bricks are in Flemish bond. There is a plinth of chamfered black brick and above, at approximately one metre up from the ground level, a band of red brick. On the east front are two further bands of red brick below the eaves. The windows have cambered heads of rubbed red-brick and chamfers to the bricks at the sides.

Timber features in the building include posts of the verandah, which are of chamfered timber with moulded timber braces, trussed gables at the south sides of the east and west elevations, and the staircase which has turned newel posts and plain balusters. The doors are four-panelled.

The roof, which is tile-covered, has gables at the north and south ends, a lean-to for the verandah, and hips for both the projection at the centre of the west elevation and the two-storeyed block.

Later alterations to the building relate to its conversion to two dwellings. The main entrance doorway on the east elevation was blocked, and a new doorway inserted on the west elevation for the new dwelling at the south end. The dwelling at the northern end of the building, which included the first floor rooms, was entered both by the original back door on the north side and by double doors which were inserted in place of a three-light window on the east elevation.

A stone plaque on the east front reads 'Sandhurst Hospital 1894'.

References

Drawings of plans and elevations of Cottage Hospital, \dot{W} altham Abbey, dated 1893 - H-26/2 and H26/3 (cat. H26.B.04), MOD Central Disposals Unit, Chessington.

Surveyed March 1993 Report by R L Burgess

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY RCHME NUMBER NUMBER **OLD SERIES** H27/H28 286 TL 37663 00629 NAME/FUNCTION START DATE END DATE by 1886 Coal Yard & Latrines by 1967 NO PHOTOGRAPHY **AVAILABLE** CARTOGRAPHIC DEPICTION DOCUMENTARY REFERENCES 1908 RGPF Ledger WASC 1509 + WASC 1764;EC built 1886 WASC/38; Coalyard 1903 p32 c1900 WASC/79; Firestation 1923 WASC/84; Coalyard & Latrines 1954 A-B.35; H28 1960 Drg No LSG/9; Concrete Base & Latrines **PHOTOGRAPHY PHOTOGRAPHY** HISTORIC **RCHME** RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: CONDITION Demolished DESCRIPTION CONSTRUCTIONAL MATERIAL ROOF MATERIALS AND STRUCTURE 2) 3) **POWER SOURCE** DIMENSIONS i) L 4) ii) W iii) HT 5)

Newains of Latine pits uncovered, recorded + removed
May 1994

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY NUMBER OLD SERIES RCHME NUMBER N.G.R. H29 287 TL 37685 00608 NAME/FUNCTION START DATE END DATE 1872 by 1972 Surgery NO PHOTOGRAPHY **AVAILABLE** CARTOGRAPHIC DEPICTION DOCUMENTARY REFERENCES c1900 WASC 900/79; Surgery 1900 RGPF Ledger WASC 1509 Surgery built 1872 1923 WASC 900/84; 287 Surgery 1954 A-B.35; H29 1960 Drg No LJG/9; H29 1967 O.S. No LGJ/9; H29 **PHOTOGRAPHY PHOTOGRAPHY** HISTORIC **RCHME** RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: CONDITION Demolished DESCRIPTION CONSTRUCTIONAL MATERIAL 1) 2) ROOF MATERIALS AND STRUCTURE POWER SOURCE 3) DIMENSIONS i) L ii) W iii) HT 4) 5) No surface remains. Inspection of service trench in the rear indicates that upto 1m of rubble may be heaped

over the site of the surgery.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY NUMBER OLD SERIES RCHME NUMBER N.G.R. TL 37604 00867 NAME/FUNCTION Solvent store START DATE 1970? END DATE 1992

NO PHOTOGRAPHY AVAILABLE

CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES	
1972 WASC 900/102 ; H30 1972 WASC 900/104 ; H30 1976 WASC 900/113 ; H30	1972 ERDE List ; Solvent Store 1992 RARDE List ; Solvent Store	

HISTORIC	PHOTOGRAPHY RCHME 1) 206/I/33 01 Feb 1993 From East 206/S/20 17 Mar 1993 From East
	200/0/20 17 War 1990 110111 Last

RELATIONSHIPS WITH OTHER MONUMENTS

ASSOCIATED WITH:

CONDITION Fair

- 1) CONSTRUCTIONAL MATERIAL Corrugated iron over steel frame
- 2) ROOF MATERIALS AND STRUCTURE Corrugated iron
- 3) POWER SOURCE None
- 4) DIMENSIONS i) L 4.1m ii) W 2.2m iii) HT 2.1m
- 5) Small rectangular store with metal mesh gate to east, demolished August 1993.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY NUMBER OLD SERIES RCHME NUMBER N.G.R. TL 37675 00795 NAME/FUNCTION Sewer pump house START DATE 1956 END DATE

NO PHOTOGRAPHY AVAILABLE

CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES	
c1963 WASC 900/97 ; H31 1972 WASC 900/102 ; H31 1972 WASC 900/104 ; H31 1976 WASC 900/113 ; H31	Plans; H66 B01 - B02 Plans and Elevations 1950 to 1951 1972 ERDE List ; Sewer Pump House 1992 RARDE List ; Sewer Pump House	
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME 1) 206/H/6 02 Feb 1993 From South West 206/S/2 16 Mar 1993 From North East	

RELATIONSHIPS WITH OTHER MONUMENTS

ASSOCIATED WITH: H17, H24, L126, L170

CONDITION Good

- 1) CONSTRUCTIONAL MATERIAL Brick
- 2) ROOF MATERIALS AND STRUCTURE Roofing felt over timber boards
- 3) POWER SOURCE Electricity
- 4) DIMENSIONS i) L 4.4m ii) W 3.5m iii) HT 2.79m
- 5) The pump house is a small rectangular building set on a low earthen mound. The building is entered through a single door on the north side, demolished August 1993.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY NUMBER **OLD SERIES** RCHME NUMBER H32 TL 37608 00928 NAME/FUNCTION START DATE END DATE Portacabin offices 198? NO PHOTOGRAPHY AVAILABLE DOCUMENTARY REFERENCES CARTOGRAPHIC DEPICTION 1972 ERDE List; Portacabin Offices RARDE List; Portacabin Offices 1992 FBRC Office 1992 **PHOTOGRAPHY PHOTOGRAPHY** HISTORIC **RCHME** RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: H1, H2, H3, H5, H6, H10, H11, H32, H66, H71 CONDITION Good DESCRIPTION Modern portacabin not described. Removed and replaced temporaruly adjacents A200.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY NUMBER OLD SERIES RCHME NUMBER N.G.R. TL 37692 00591 NAME/FUNCTION START DATE 1964 END DATE

NO PHOTOGRAPHY AVAILABLE

CARTOGRAPHIC DEPICTION	DOCUMENTARY EVIDENCE	
> 1940 WASC 900/91A; H37? 1954 A - B.34; H37 c1960 WASC 900/94; H37 c1963 WASC 900/97; H37 1972 WASC 900/102; H37 1972 WASC 900/104; H37 1976 WASC 900/113; H37	Plans; H37 B01 - B09 Plans and Elevations 1963 to 1971 1972 ERDE List; Old Police Gatehouse 1992 RARDE List; Old Police Gatehouse	
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME 1) 206/S/10 16 Mar 1993 Police lodge from North	

RELATIONSHIPS WITH OTHER MONUMENTS

ASSOCIATED WITH: H38 OVERLIES: RCHME 311? RCHME 314?

CONDITION Fair

- 1) CONSTRUCTIONAL MATERIAL Brick
- 2) ROOF MATERIALS AND STRUCTURE Flat concrete roof
- 3) POWER SOURCE Electricity
- 4) DIMENSIONS i) L 7.3m ii) W 5.93m iii) HT 2.7m
- L shaped building, all the opening were boarded over at the time of survey.
 Demolished August 1993.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY NUMBER **OLD SERIES** RCHME NUMBER N.G.R. H38 TL 37677 00586 NAME/FUNCTION START DATE END DATE Gas meter house 1963 1992? NO PHOTOGRAPHY **AVAILABLE** CARTOGRAPHIC DEPICTION DOCUMENTARY REFERENCES Plans WASC 900/94; H38 c1960 H.37.B.01 22.1.63 c1963 WASC 900/97; H38 WASC 900/102; H38 1972 ERDE List; Old Gas Meter House 1972 1972 WASC 900/104; H38 1992 RARDE List; Old Gas Meter House WASC 900/113; H38 1976 **PHOTOGRAPHY PHOTOGRAPHY** HISTORIC **RCHME** 1) 206/K/12 01 Feb 1993 From South West 206/S/8 16 Mar 1993 From East RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: H37 CONDITION Fair DESCRIPTION CONSTRUCTIONAL MATERIAL 1) Brick ROOF MATERIALS AND STRUCTURE 2) Flat concrete slab

POWER SOURCE

Electricity and gas

Demolished August 1993.

DIMENSIONS i) L 3.9m ii) W 2.45m iii) HT 2.8m

Single storey valve house with a single blue door on the eastern side.

3)

4)

5)

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY				
NUMBER OLD SERIES H54	RCHME NUMBER	N.G.R. TL 37673 00909		
NAME/FUNCTION Building	START DATE Post 1945	END DATE by 1967		
NO PHOTOGRAPHY AVAILABLE				
CARTOGRAPHIC DEPICTION 1960 Drg No LSG/8; H54	DOCUMENTARY REFERENCES			
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME			
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: H12?				
CONDITION Demolished				
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL				
2) ROOF MATERIALS AND STRUCTURE				
3) POWER SOURCE				
4) DIMENSIONS i) L ii) W iii) HT 5) No surface remains of this building were seen.				

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY OLD SERIES RCHME NUMBER NUMBER TL 37673 00909 H64 START DATE NAME/FUNCTION END DATE Process Water Supply To Building H12 1948? NO PHOTOGRAPHY **AVAILABLE** DOCUMENTARY REFERENCES CARTOGRAPHIC DEPICTION WASC 900/102; H64 WASC 900/104; H64 H64 B01 - B03 Plans and Elevations 1948 1972 **PHOTOGRAPHY PHOTOGRAPHY** HISTORIC **RCHME** RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: Demolished CONDITION DESCRIPTION 5) No surface remains

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY NUMBER OLD SERIES RCHME NUMBER N.G.R. TL 37592 00900 NAME/FUNCTION START DATE 1949 END DATE 1992

NO PHOTOGRAPHY AVAILABLE

CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES	
1972 WASC 900/102 ; H65 1972 WASC 900/104 ; H65 1976 WASC 900/113 ; H65	Plan; H65 B01 - 18/4/1949 ; Layout of Dithekite Store 1972 ERDE List ; Small Concrete Shelter 1992 RARDE List ; Locker Magazine	
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME 1) 206/I/34 01 Feb 1993 From South 206/T/37 17 Mar 1993 From South East	

RELATIONSHIPS WITH OTHER MONUMENTS

ASSOCIATED WITH: H12

CONDITION Good

DESCRIPTION

- 1) CONSTRUCTIONAL MATERIAL Breeze block
- 2) ROOF MATERIALS AND STRUCTURE Corrugated asbestos
- 3) POWER SOURCE None
- 4) DIMENSIONS i) L 3.3m ii) W 1.9m iii) HT 2.5m
- 5) The fuel magazine is a small rectangular breeze block structure with an entrance on the northern side, set within an earthen mound.

Dandished Summer 1994

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY				
NUMBER H66	OLD SERIES	RCHME NUMBER	N.G.R. TL 37640 00924	
NAME/FUNCTION Locker Magazine		START DATE 1950?	END DATE 1992	

NO PHOTOGRAPHY AVAILABLE

CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES	
c1960 WASC 900/94; H66 c1963 WASC 900/97; H66 1972 WASC 900/102; H66 1972 WASC 900/104; H66 1976 WASC 900/113; H66	Plans; H66 B01 - B02 ; Plans and Elevations 1950 to 1951 1972 ERDE List ; Locker Magazine 1992 RARDE List ; Locker Magazine 1992 FBRC Class 1 Explosives	
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME 1) 206/K/3 01 Feb 1993 From South West 206/K/7 01 Feb 1993 North side from West 206/S/29 17 Mar 1993 Locker Magazine Interior from West 206/S/31 17 Mar 1993 Locker Magazine from North East 2)BB92/26044 From North West	

RELATIONSHIPS WITH OTHER MONUMENTS

ASSOCIATED WITH: H10

CONDITION Good

DESCRIPTION

1) CONSTRUCTIONAL MATERIAL

Brick

2) ROOF MATERIALS AND STRUCTURE

Corrugated asbestos

POWER SOURCE

Electricity

- 4) DIMENSIONS i) L 9.8m ii) W 2.6m iii) HT Gable 3.05m
- The magazine is brick built with gabled ends. The magazine was entered through single doors painted red at either end of the northern side. Adjacent to each door on the outside of the building is a small shelf. The building is protected by a copper lightning conductor. Internally are six magazine lockers along the northern side of the building.

Demolished August 1993.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY				
NUMBER H67a,b,c	OLD SERIES	RCHME NUMBER	N.G.R. TL 37560 01165	
NAME/FUNCTION Ballistics Laboratory Mechanical testing areas		START DATE 1955	END DATE	

NO PHOTOGRAPHY AVAILABLE

CARTOGRAPHIC DEPICTION c1960 WASC 900/94; H67 c1963 WASC 900/97; H67 1972 WASC 900/102; H67 1972 WASC 900/104; H67 1976 WASC 900/113; H67	DOCUMENTARY REFERENCES Plans; H67 B01 - B58; Plans and Elevations 1955 to 1968 1972 ERDE List; Mechanical Testing Areas (a,b,c) 1992 RARDE List; Mechanical Testing Areas (a,b,c)	
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME 1) 206/H/14 02 Feb 1993 Labs from South East 206/H/15 02 Feb 1993 West end blast wall 206/Q/30 16 Mar 1993 Front Elevation from South 206/Q/37 16 Mar 1993 2) BB92/26054 H67 Mechanical Testing Ballistics Lab from North West BB92/26055 H67 Mechanical Testing Interior West chamber from North East BB92/26056 H67 Mechanical Testing Test Bed from North East	

RELATIONSHIPS WITH OTHER MONUMENTS

ASSOCIATED WITH: H68, H69, H70, H72

CONDITION

FAIR

DESCRIPTION

- 1) CONSTRUCTIONAL MATERIAL Brick
- 2) ROOF MATERIALS AND STRUCTURE Flat concrete slab covered by roofing felt
- 3) POWER SOURCE Electricity and steam heat
- 4) DIMENSIONS i) L 58.4m ii) W 12.8m iii) HT 3.8m
- 5) H67 is a single storey laboratory with a central corridor giving access to rooms on either side. At the western end of the building is a firing bay formerly closed by double metal doors protected by a breeze block blast wall. Demolished August 1993.

Stab removed August 1995

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY NUMBER OLD SERIES RCHME NUMBER N.G.R. TL 37554 01192 NAME/FUNCTION START DATE END DATE 1956

NO PHOTOGRAPHY AVAILABLE

CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES	
c1960 WASC 900/94; H68 c1963 WASC 900/97; H68 1972 WASC 900/102; H68 1972 WASC 900/104; H68 1976 WASC 900/113; H68	Plans; H68 B01 - B06; Plans and Elevations 1955 to 1975 1972 ERDE List; Test Bed 1992 RARDE List; Test Bed	
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME 1) 206/H/16 02 Feb 1993 From South East 206/H/17 02 Feb 1993 From East 206/Q/34 16 Mar 1993 From East 206/Q/35 16 Mar 1993 From South East 206/Q/36 16 Mar 1993 From South West 2) BB92/26057 H68 Firing Point from South West BB92/26058 H68 Firing Point from North East BB92/26059 H68 Interior of Firing Point South West chamber from South West BB92/26060 H68 Interior of Firing Point South West chamber detail North wall & floor	

RELATIONSHIPS WITH OTHER MONUMENTS

ASSOCIATED WITH: H67, H69, H70, H72

CONDITION

Good

DESCRIPTION

- 1) CONSTRUCTIONAL MATERIAL Reinforced Concrete
- 2) ROOF MATERIALS AND STRUCTURE Concrete slab
- 3) POWER SOURCE Electricity
- 4) DIMENSIONS i) L 11.45m ii) W 8.35m iii) HT 2.9m
- 5) The Test Bed has a central control room with two firing bays to the west and a single bay to the east. Small apertures in the northern wall of the building are protected by baffle walls constructed from railway sleepers and breeze block. Demolished August 1993.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY NUMBER OLD SERIES RCHME NUMBER N.G.R. TL 37544 01212 NAME/FUNCTION START DATE 1958? END DATE 1958?

NO PHOTOGRAPHY AVAILABLE

CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES	
	1972 ERDE List ; Firing Tunnel/PCC Pipe 1992 RARDE List ; Firing Tunnel/PCC Pipe	
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME 1) 206/H/18 02 Feb 1993 From 206/Q/33 16 Mar 1993 Firing tube from East	

RELATIONSHIPS WITH OTHER MONUMENTS

ASSOCIATED WITH: H67, H68, H69, H70, H72

CONDITION FAIR

DESCRIPTION

- 1) CONSTRUCTIONAL MATERIAL
 - Pre-cast concrete
- 3) POWER SOURCE

None

- 4) DIMENSIONS i) L 14.86m ii) W iii) HT iv)DIA 0.93m
- The firing tunnel is constructed from twelve segments of pre-cast concrete pipe set on breeze block and timber supports. Fragments of breeze block base indicate that it once extended further westwards.
 Demolished August 1993.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY NUMBER OLD SERIES RCHME NUMBER N.G.R. H69 NAME/FUNCTION START DATE END DATE Magazine (Cordite Store) START DATE 1958

NO PHOTOGRAPHY AVAILABLE

CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES	
c1960 WASC 900/94; H69 c1963 WASC 900/97; H69 1972 WASC 900/102; H69 1972 WASC 900/104; H69 1976 WASC 900/113; H69	1972 ERDE List ; Magazine 1992 RARDE List ; Magazine	
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME 1) 206/H/20 02 Feb 1993 From West 206/Q/31 16 Mar 1993 From South West	

RELATIONSHIPS WITH OTHER MONUMENTS

ASSOCIATED WITH: H67, H68, H70, H72

CONDITION

Poor

DESCRIPTION

- 1) CONSTRUCTIONAL MATERIAL Brick
- 2) ROOF MATERIALS AND STRUCTURE Corrugated asbestos
- 3) POWER SOURCE Electricity
- 4) DIMENSIONS i) L 5.25m ii) W 3.25m iii) HT 2.8m
- 5) The magazine was fired in 1992. The magazine was entered through a single red steel door on the west side. Demolished August 1993.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY NUMBER OLD SERIES RCHME NUMBER N.G.R. TL 37573 01200 NAME/FUNCTION Solvent store START DATE 1958 END DATE 1992

NO PHOTOGRAPHY AVAILABLE

CARTOGRAPHIC DEPICTION c1960 WASC 900/94; H70 c1963 WASC 900/97; H70 1972 WASC 900/102; H70 1972 WASC 900/104; H70 1976 WASC 900/113; H70	DOCUMENTARY REFERENCES 1972 ERDE List; Solvent Store 1992 RARDE List; Solvent Store
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME 1) 206/H/19 02 Feb 1993 From West 206/Q/32 16 Mar 1993 From South West

RELATIONSHIPS WITH OTHER MONUMENTS

ASSOCIATED WITH: H67, H68, H68a, H69, H72

CONDITION

Good

DESCRIPTION

- 1) CONSTRUCTIONAL MATERIAL
 - Brick
- 2) ROOF MATERIALS AND STRUCTURE

Flat concrete slab

3) POWER SOURCE

Electricity

- 4) DIMENSIONS i) L 2.6m ii) W 2m iii) HT 2.78m
- 5) The store is a single storey brick building with a flat concrete roof. It is entered by a single yellow door on the west side with brass furniture. The interior is shelved and lit by electric lights. Demolished August 1993.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY NUMBER OLD SERIES RCHME NUMBER N.G.R. TL 37610 00943 NAME/FUNCTION START DATE 1956 END DATE 1956

NO PHOTOGRAPHY AVAILABLE

CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES	
c1960 WASC 900/94 ; H71 c1963 WASC 900/97 ; H71 1972 WASC 900/102 ; H71 1972 WASC 900/104 ; H71 1976 WASC 900/113 ; H71	Plans; H71 B01 - B10 ; Plans and Elevations 1956 to 1970 1972 ERDE List ; Offices Adjoining H10 1992 RARDE List ; Offices Adjoining H10 1992 FBRC Office	
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME 1) 206/H/8 02 Feb 1993 From South West 206/T/1 17 Mar 1993 From South West	

RELATIONSHIPS WITH OTHER MONUMENTS

ASSOCIATED WITH: H1, H2, H3, H5, H6, H10, H11, H66

CONDITION Good

DESCRIPTION

- 1) CONSTRUCTIONAL MATERIAL Brick
- 2) ROOF MATERIALS AND STRUCTURE Roofing felt over flat roof
- 3) POWER SOURCE Electricity and steam heat
- 4) DIMENSIONS i) L 14.5m ii) W 9.3m iii) HT 3.1m
- 5) The offices are joined to H10 by a short corridor. Entry to the offices was also gained through double doors on the north and south sides. The full length of the western side of the building is glazed while the eastern side is lit by smaller windows.

Stripped, fired and denotished in summer

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY			
NUMBER H72	OLD SERIES	RCHME NUMBER	N.G.R. TL 37590 01166
NAME/FUNCTION Compressor house for H67		START DATE 1960	END DATE 1992

NO PHOTOGRAPHY AVAILABLE

CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES	
c1960 WASC 900/94; H72 c1963 WASC 900/97; H72 1972 WASC 900/102; H72 1972 WASC 900/104; H72 1976 WASC 900/113; H72	Plan; H72 B01 - 13/11/1959 ; Proposed Building for Nitrogen Compressor 1972 ERDE List ; Compressor House for H67 1992 RARDE List ; Compressor House for H67	
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME 1) 206/H/13 02 Feb 1993 From South East 206/L/3 09 Mar 1993 From South East	

RELATIONSHIPS WITH OTHER MONUMENTS

ASSOCIATED WITH:

H67

CONDITION

Good

DESCRIPTION

1) CONSTRUCTIONAL MATERIAL

Brick

- 2) ROOF MATERIALS AND STRUCTURE Flat timber boards covered by roofing felt.
- 3) POWER SOURCE Electricity
- 4) DIMENSIONS i) L 3.8m ii) W 3.15m iii) HT 2.75m
- A small brick building entered from the north side through double yellow painted doors. Externally on the south wall are two pressure gauges by Budenburg Broadheath Manchester housed in a protective casing. Demolished August 1993.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY			
NUMBER	N.G.R. TL 37719 00665		
NAME/FUNCTION New Saltpetre Refinery		START DATE 1816	END DATE 195?

NO PHOTOGRAPHY AVAILABLE

CARTOG	CARTOGRAPHIC DEPICTION		DOCUMENTARY REFERENCES	
1827	WASC 900/04 + MPHH 271 ;35,36,37,38 New Refinery	1830	Drayson.F. p33 35 Saltpetre refinery, 36 Storehouse	
1830	WO55 2694	1830	WO55/2694 37 Mixing & Storehouse,	
1830	WASC 900/05	1000	38 Crystallising house	
c1830	WASC 900/06	1841	WO55/2856 37 Mixing & Storehouse,	
c1835	WASC 900/07	0.000 87 87	38 Crystallising house	
1861-1868	WASC 900/10A	1908	RGPF Ledger WASC 1509 + WASC 1764;	
1865	WASC 900/13		Saltpetre Store/Melting House, Crystallizing	
1865	WASC 900/14		House, Grough Store, Refining House built 1816	
1871	SUPP5 682		p31-2	
1865	WASC 900/38 + SUPP5 975	c1925	RGPF Ledger WASC 1680 ; Saltpetre	
1865	WASC 900/41A		Store/Melting House, Crystallizing	
1865	WASC 900/42		House, Grough Store, Refining House	
1897	WASC 900/53C	c1945	RGPF Ledger WASC 1508; Saltpetre	
c1910	WASC 900/65		Store/Melting House, Crystallizing	
c1910	WASC 900/79		House, Grough Store, Refining House	
1917	WASC 900/70			
1917	WASC 900/72			
1919	WASC 900/74			
c1920	WASC 900/80			
1923	WASC 900/84			
1923 1932	WASC 900/84; 288 WASC 900/87: 288			
> 1940	WASC 900/91 A			
1954	A - B.34 ; HS 30			
c1960	WASC 900/94 ; H30			
3,000				
рнотос	PHOTOGRAPHY		PHOTOGRAPHY	
HISTORIC		RCHME		
	11151 ONC			

RELATIONSHIPS WITH OTHER MONUMENTS Unknown

CONDITION Demolished

DESCRIPTION

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY			
NUMBER OLD SERIES RCHME NUMBER 288			N.G.R. TL 37660 00600
NAME/FUNCTION Saltpetre Refinery Store House Guncotton Refini Acetate of Lime S Clean Store	ng House	START DATE 1801-06 1827 1865? 1900? by 1923	END DATE 1827 1865? 1900? by 1923

NO PHOTOGRAPHY

AVAILABLE

CARTOGRAPHIC DEPICTION		DOCUMENTARY REFERENCES	
1827 1830 1830 c1830 c1835 1861-1868 1865 1865 1865 1865 1865 1865 1897 c1900 c1910 c1910 1917 1917 1919 c1920 1923 1932 > 1940 1954	WO 78/1352 + MR 580 WASC 900/04 + MPHH 271; Store House WO55 2694 WASC 900/05 WASC 900/06 WASC 900/07 WASC 900/10A WASC 900/14 SUPP5 682 WASC 900/38 + SUPP5 975; General Store WASC 900/41A WASC 900/42 WASC 900/53C WASC 900/79; Acetone Factory WASC 900/65 WASC 900/79 WASC 900/79 WASC 900/70 WASC 900/72 WASC 900/74 WASC 900/84; General Store WASC 900/87; 288 WASC 900/91a A-B.34; HS30 WASC 900/94; H30	1807 1830 1841 1851 1908 c1925 c1945	Statement of Property WO55 2694 Statement of Property WO55 2351 Statement of Property WO55 2856 Statement of Property WO55 3027 RGPF Ledger WASC 1509 + WASC 1764; Acetone Factory RGPF Ledger WASC 1680; Acetone Factory RGPF Ledger WASC 1508; Acetone Factory
A. B. C.	PHOTOGRAPHY HISTORIC		GRAPHY 3
		1) BB92	/26036 From Northeast

RELATIONSHIPS WITH OTHER MONUMENTS

ASSOCIATED WITH: 288, 291

CONDITION Demolished

DESCRIPTION

No Surface Remains

288 probably represents the original structure

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES 291	RCHME NUMBER	N.G.R. TL 37661 00586
NAME/FUNCTION Saltpetre Refiner Gun Cotton Build Acetate of Lime Clean Store	ding (part of)	START DATE 1801-06 1865? 1898? 1923	END DATE 1865? 1898 by1923

NO PHOTOGRAPHY AVAILABLE

CARTOG	CARTOGRAPHIC DEPICTION		DOCUMENTARY REFERENCES	
1806? 1827 1830 1830 c1835 1861-1868 1865 1865 1865 1865 1865 1865 1897 c1910 c1910 1917 1917 1919 c1920 1923 1932 > 1940 1954 c1960	WO 78/1352 + MR 580 WASC 900/04 + MPHH 271 WO55 2694 WASC 900/05 WASC 900/06 WASC 900/07	1807 1830 1830 1841 1851 1908 c1925 c1945	Statement of Property WO55 2694 Statement of Property WO55 2351 Drayson.F. Plan & Elevation p1 Statement of Property WO55 2856 Statement of Property WO55 3027 RGPF Ledger WASC 1509 + WASC 1764; Acetate of Lime and Drum Store built pre 1872 p33 RGPF Ledger WASC 1680; Acetate of Lime and Drum Store RGPF Ledger WASC 1508; Acetate of Lime and Drum Store RGPF Ledger WASC 1508; Acetate of Lime and Drum Store	
рнотоб	RAPHY	РНОТО	OGRAPHY	

RCHME

RELATIONSHIPS WITH OTHER MONUMENTS

ASSOCIATED WITH: 288, 291a

CONDITION Demolished

DESCRIPTION

HISTORIC

No Surface Remains

291 probably represents the original structure after various alterations

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES 291a	RCHME NUMBER	N.G.R. TL 37680 00577
NAME/FUNCTION Building (part of S Crystallising Hous Gun Cotton Facto Acetone Factory (Timber Store	e ry (part of)	START DATE pre 1783 1827 by 1863 c1900 by 1923	END DATE 1827 by 1863 c1900 by 1923

NO PHOTOGRAPHY AVAILABLE

CARTOGRAPHIC DEPICTION		DOCUMENTARY REFERENCES	
1783 1783	WASC 900/01 + MR 593 WASC 900/01A	1807	Statement of Property WO55 2694; 14 Saltpetre Crystallising
1801	WASC 900/58 + MR 580	1830	Statement of Property WO55 2351; 26 Crystalli
1806?	WO 78/1352 + MR 580		sing
1827	WASC 900/04 + MPHH 271; Crystallising		House
	House	1830	Drayson F Plan and Elevation p2
1830	WO55 2694	1841	Statement of Property WO55 2856; 26 Crystalli
1830	WASC 900/05		sing
c1830	WASC 900/06		House
c1835	WASC 900/07	1851	Statement of Property WO55 3027; 62 Crystalli
1861-1868			sing
1865	WASC 900/13		House
1865	WASC 900/14	1908	RGPF Ledger WASC 1509; 291 Acetate of Lime
1871	SUPP5 682		and Drum Store
1865	WASC 900/38 + SUPP5 975 ; Gun Cotton		
1865	WASC 900/41A		
1865	WASC 900/42		
1897	WASC 900/53C		
c1910	WASC 900/65		
c1910	WASC 900/79		
1917	WASC 900/70		
1917	WASC 900/72		
1919	WASC 900/74		
c1920	WASC 900/80		
1923	WASC 900/84; Timber Store		
> 1940	WASC 900/91A		
1954	A - B.34		

PHOTOGRAPHY HISTORIC

PHOTOGRAPHY RCHME

RELATIONSHIPS WITH OTHER MONUMENTS:

ASSOCIATED WITH: 288, 291, RCHME 313, RCHME 315

CONDITION Demolished

DESCRIPTION

No Surface Remains

Probable that 291a represents a later 20th Century building with earlier underlying structures

NUMBER OLD S 294	ERIES	RCHME NUMBER	N.G.R. TL 33720 00588
NAME/FUNCTION		START DATE	END DATE
Boiler House Store		by 1923	
•		OTOGRAPHY AILABLE	
CARTOGRAPHIC DEPICTION		DOCUMENTARY REFE	RENCES
01835 WASC 900/07 1861-1868 WASC 900/10A 1865 WASC 900/13 1865 WASC 900/14 1871 SUPP5 682		1908 Ledger WASC 1509 Boiler House boilers r	
1865 WASC 900/38 + SUPP5 9 1865 WASC 900/41A 1865 WASC 900/42 1897 WASC 900/53C 1910 WASC 900/65 1910 WASC 900/79 1917 WASC 900/70 1917 WASC 900/72 1919 WASC 900/74 1920 WASC 900/80 1923 WASC 900/84: Store	75		
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME	
RELATIONSHIPS WITH OTHER M	ONUMENTS		
ASSOCIATED WITH: RCHME 316 E	Carly Guncotton Fac	tory PART OF:	
CONDITION Demolished			
DESCRIPTION 1) CONSTRUCTIONAL MAT Brick	ERIAL		
2) ROOF MATERIALS AND Tiles	STRUCTURE		
POWER SOURCE Steam			
4) DIMENSIONS i) L ii) W iii) HT			
4) DIMENSIONS i) L ii) W iii) HT		

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY NUMBER OLD SERIES RCHME NUMBER 100 TL 37704 00680 NAME/FUNCTION Narrow gauge railway swing bridge START DATE 1916 END DATE

NO PHOTOGRAPHY AVAILABLE

CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES 1916 WASC 901/265 22 Mar 1916 Details of Swing Bridge near Saltpetre Refinery 1916 WASC 901/266 7 June 1916 Swing Bridge Great Hoppit Details of opening gear WASC 901/269 Not Dated Swing Bridge Great Hoppit revised details of central pier 1917 WASC 901/282 7-Feb-1917 Swing Bridge Great Hoppit details of locking gear 1989 Jenkins p394,413
PHOTOGRAPHY HISTORIC 1) Jenkins J M 1989 p394 2) PRO Supply 5/861 327 (no date)	PHOTOGRAPHY RCHME 2)BB92/26462 Detail Swing Bridges Great Hoppit

RELATIONSHIPS WITH OTHER MONUMENTS

ASSOCIATED WITH:

CONDITION

Poor

DESCRIPTION

The remains of the swing bridge comprise the central concrete pier in the middle of the canal and a concrete abutment on the western bank. The line of the tramway may be followed westwards as an earthwork embankment for 15m with a width of 3.9m.

The bridge formerly comprised a fixed eastern section and a section on the western side that swung on a turntable fixed to the west bank (Jenkins 1989, 394). The fixed eastern portion and the controlling signal was demolished in 1987 (Jenkins 1989, 413).

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY					
NUMBE	CR OLD SERIES	RCHME NUMBER 262	N.G.R. TL 37692 00651		
NAME/F Edge ru Capstar		START DATE	END DATE		
	NO PHOTOGRAPHY AVAILABLE				
CARTO	CARTOGRAPHIC DEPICTION DOCUMENTARY REFERENCES				
PHOTOG	GRAPHY IC	PHOTOGRAPHY RCHME			
	ONSHIPS WITH OTHER MONUMENTS				
CONDIT	ION Fair				
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Limestone 4) DIMENSIONS iii)w 0.46m iv)DIA 1.84m 5) The gunpowder mill edge runner is set horizontally, the cracked stone has been strengthened by the addition of iron bars bolted and set in lead. The edge runner appears to have been reused as a base for a capstan probably to aid the passage of barges through the former canal to the south.					

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY				
NUMBER OLD SERIES	RCHME NUMBER 311	N.G.R. TL 37694 00596		
NAME/FUNCTION Saltpetre Refinery	START DATE pre 1783	END DATE by 1806		
NO PHOTOGRAPHY AVAILABLE				
CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERE	ENCES		
1783 WASC 900/01 + MR 593 1783 WASC 900/01A 1801 WASC 900/58 + MR 580				
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME			
RELATIONSHIPS WITH OTHER MONUMENTS UNDERLIES: RCHME312? H37?				
CONDITION Demolished				
DESCRIPTION No Surface Remains				

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY			
NUMBER	OLD SERIES	RCHME NUMBER 312	N.G.R. TL 37690 00594
NAME/FUNCTION Saltpetre Refinery	Building	START DATE 1801-06	END DATE pre 1827
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DE 1806 WO 78/135	EPICTION 52 + MR 580 ;	DOCUMENTARY REFEREN	NCES
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME	
RELATIONSHIPS WITH OTHER MONUMENTS OVERLIES: RCHME 311?			
CONDITION Demolis	shed		
DESCRIPTION No Surface Remains			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY			
NUMBER	OLD SERIES	RCHME NUMBER 313	N.G.R. TL 37672 00608
NAME/FUNCTION Saltpetre Refinery Sulphur Refining I Gun Cotton Build Acetone Factory	House	START DATE 1801-06 1827 1865? c1900	END DATE 1827 1865? 1900?

NO PHOTOGRAPHY AVAILABLE

CARTOGRAPHIC DEPICTION		DOCUMENTARY REFERENCES	
1806? 1827	WO 78/1352 + MR 580 WASC 900/04 + MPHH 271; Sulphur Refining House WO55 2694	1807 1830 1841	Statement of Property WO55 2694 Statement of Property WO55 2351; 30 Sulphur Refining House Statement of Property WO55 2856; 30 Sulphur
1830	WASC 900/05		Refining House
c1830 c1835	WASC 900/06 WASC 900/07	1851	Statement of Property WO55 3027
1861-1868 1865 1865 1871 1888 1900	WASC 900/10A WASC 900/13 WASC 900/14 SUPP5 682 WASC 900/38 + SUPP5 975; Gun Cotton WASC 900/79 Acetone Factory	1830	Drayson.F. Drwgs 6 & 7 Sulphur by Fusion
PHOTOGRAPHY HISTORIC		PHOTO RCHM	OGRAPHY E

RELATIONSHIPS WITH OTHER MONUMENTS

ASSOCIATED WITH: 288, 291, 291A, RCHME 315

CONDITION Demolished

DESCRIPTION

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY NUMBER **OLD SERIES** RCHME NUMBER N.G.R. 314 TL 37687 00589 START DATE NAME/FUNCTION END DATE Building 1827-65 1890? NO PHOTOGRAPHY **AVAILABLE** CARTOGRAPHIC DEPICTION DOCUMENTARY REFERENCES 1865 WASC 900/38 + SUPP5 975 **PHOTOGRAPHY PHOTOGRAPHY** HISTORIC **RCHME** RELATIONSHIPS WITH OTHER MONUMENTS UNDERLIES: H37? CONDITION Demolished DESCRIPTION

No Surface Remains. Function of this building is unknown possibly associated with Guncotton Factory.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY RCHME NUMBER NUMBER N.G.R. **OLD SERIES** TL 37658 00606 315 START DATE NAME/FUNCTION END DATE Copper Smiths Forge & Engine House 1806-27 1863 1863 c1900 Guncotton Factory c1900 Acetone Factory

NO PHOTOGRAPHY AVAILABLE

CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES
1827 WASC 900/04 + MPHH 271 ; Copper Smiths Forge 1830 WO55 2694 1830 WASC 900/05 c1830 WASC 900/06 c1835 WASC 900/07 1861-1868 WASC 900/10A 1865 WASC 900/13 1865 WASC 900/14 1871 SUPP5 682 1865 WASC 900/38 + SUPP5 975	1807 WO55/2351 1830 WO55/2694; 29 Forge & Engine House 1841 WO55/2856; 29 Forge & Engine House 1851 WO55/3027; 59 Forge & Engine House
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME

RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: 288, 291, 291A, RCHME 313

CONDITION Demolished

DESCRIPTION

No Surface Remains. A building on its site was later incorporated into the Guncotton and later Acetone Factory. It is not known whether the original structure survived or if a new building was constructed.

NUMBER OLD SERIES RCHME NUMBER 316 N.G.R. TL 37723 00610 NAME/FUNCTION START DATE 1816? END DATE 1900 Gun Cotton Works

NO PHOTOGRAPHY AVAILABLE

CARTOG	RAPHIC DEPICTION	DOCUMENTARY REFERENCES	
1827 1830 1830 c1830 c1835 1861-1868 1865 1865 1871 186 1866 1897 c1910 c1910 1917 1917 1919 c1920	WASC 900/04 + MPHH 271; 33 New Refinery WO55 2694 WASC 900/05 WASC 900/06 WASC 900/07 WASC 900/10A WASC 900/13 WASC 900/14 SUPP5 682 WASC 900/38 + SUPP5 975; Gun Cotton and Boiler House WASC 900/41A WASC 900/41A WASC 900/42 - Guncotton WASC 900/65 WASC 900/70 WASC 900/79 WASC 900/72 WASC 900/74 WASC 900/80 WASC 900/84; Boiler House	1830 1841 1908 c1925 c1945	WO55/2694; 33 Washing Saltpetre Bags WO55/2856; 33 Washing Saltpetre Bags RGPF Ledger WASC 1509 + WASC 1764; 214 Boiler House p33 RGPF Ledger WASC 1680; Boiler House RGPF Ledger WASC 1508; Boiler House
PHOTOG HISTORIO		PHOTO RCHME	GRAPHY B

RELATIONSHIPS WITH OTHER MONUMENTS

CONDITION Demolished

DESCRIPTION

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES	RCHME NUMBER	N.G.R.
	261	317	TL 37580 00790
NAME/FUNCTION Stable for Conta Sulphur Storehor Acetone Store		START DATE 1801-06 1818 1898	END DATE 1818 1898 by 1923

NO PHOTOGRAPHY AVAILABLE

CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES
1806 WO 78/1352 + MR 580 1827 WASC 900/04 + MPHH 271 ; Sulphur Storehouse,late Stable for Contact Horses 1830 WO55 2694 1830 WASC 900/05 c1830 WASC 900/06 c1835 WASC 900/07 1861-1868 WASC 900/10A 1865 WASC 900/13 1865 WASC 900/14 1871 SUPP5 682 1865 WASC 900/38 + SUPP5 975 ; Store House 1865 WASC 900/41A 1865 WASC 900/42 1897 WASC 900/53C	1808 Engraving, Powder Mills Waltham Abbey ERG Mint Binder 1808 1908 Ledger Acetone Store built before 1850 p29.
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME

RELATIONSHIPS WITH OTHER MONUMENTS Unknown

CONDITION Demolished

DESCRIPTION

No Surface Remains, may survive as a buried feature on the West bank of Horsemill Stream.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY			
NUMBER OLD SERIES	RCHME NUMBER 318	N.G.R. TL 37542 00880	
NAME/FUNCTION Master Workers Dwelling Clerks Quarters	START DATE 1806-27 1865?	END DATE 1865? 1900?	
CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERE	NCES	

PHOTOGRAPHY

HISTORIC

PHOTOGRAPHY

RCHME

RELATIONSHIPS WITH OTHER MONUMENTS Unknown

CONDITION Demolished

DESCRIPTION

	THE ROYAL	GUNPOWDER FACTORY	Y - WALTHAM ABB	EY
	NUMBER	OLD SERIES	RCHME NUMBER 319	N.G.R. TL 37530 01024
Charles of the Children of the Children	NAME/FUNCTION Dwelling of the 2	and Clerk,Storekeepers Dept	START DATE 1806-27	END DATE pre1865
		,	OGRAPHY LABLE	
		DEPICTION 00/04 + MPHH 271; Dwelling of the Storekeepers Dept	DOCUMENTARY REFEREN	NCES
	PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME	
	RELATIONSHIPS WITH OTHER MONUMENTS			
	CONDITION Destroyed			
	DESCRIPTION			
	May surviv	ve as buried feature on West side of Mil	head Stream.	
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NUMBER	OLD SERIES	RCHME NUMBER 320	N.G.R. TL 37560 00950
NAME/FUNCTION Watch House		START DATE 1806-27	END DATE 1900?
		OTOGRAPHY AILABLE	
1830 WO55 2694 1830 WASC 900/ c1830 WASC 900/ c1835 WASC 900/ 1861-1868 WASC 900/ 1865 WASC 900/ 1871 SUPP5 682	04 + MPHH 271; Watch House 05 06 07 900/10A 13	DOCUMENTARY REFEI	RENCES
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME	
DEL TALONAMA MAR	TH OTHER MONUMENTS		

DESCRIPTION

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY				
NUMBER	OLD SERIES		RCHME NUMBER N.G.R. 340 TL 37600 00825	
NAME/FUNCTION Building		START post 19		END DATE by 1972
	No	O PHOTOGRAPI AVAILABLE	ΗΥ	
CARTOGRAPHIC DEPICTION		DOCUM	DOCUMENTARY REFERENCES	
1967 O.S. TL 3700	NE 1:1250			
PHOTOGRAPHY HISTORIC			PHOTOGRAPHY RCHME	
RELATIONSHIPS W	TTH OTHER MONUMENT	S		
ASSOCIATED WITH	H: H16			
CONDITION	Demolished			
DESCRIPTION 1) CONSTRU	ICTIONAL MATERIAL			
2) ROOF MATERIALS AND STRUCTURE				
3) POWER SOURCE				
4) DIMENSIO	ONS i) L ii) W i	ii) HT		

THE ROYAL GUNPOWDER FACTORY	- WALTHAM ABB	EY
NUMBER OLD SERIES	RCHME NUMBER 341	N.G.R. TL 37607 00811
NAME/FUNCTION Building	START DATE post 1945	END DATE by 1972
NO PHOTO AVAIL		
CARTOGRAPHIC DEPICTION DOCUMENTARY REFERENCES 1967 O.S. TL 3700 NE		NCES
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME	
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: H16		
CONDITION Demolished		
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL 2) ROOF MATERIALS AND STRUCTURE 3) POWER SOURCE 4) DIMENSIONS i) L ii) W iii) HT 5)		

THE R	OYAL GUNPOWDER FACTORY	/ - WALTHAM ABB	EY
NUMBER	R OLD SERIES	RCHME NUMBER 342	N.G.R. TL 37608 00806
NAME/FU Building		START DATE post 1945	END DATE by 1972
		OGRAPHY LABLE	
	RAPHIC DEPICTION	DOCUMENTARY REFEREN	NCES
1967 O.S.	TL 37 00 NE		
PHOTOG HISTORIO		PHOTOGRAPHY RCHME	
RELATIO	ONSHIPS WITH OTHER MONUMENTS		
ASSOCIA	TED WITH: H16		
CONDITI	ON Demolished		
DESCRIP 1)	TION CONSTRUCTIONAL MATERIAL		
2)	2) ROOF MATERIALS AND STRUCTURE		
3)	POWER SOURCE		
	DIMENSIONS i) L ii) W iii) HT		
5)			

NUMBER	OLD SERIES	RCHME NUMBER 343	N.G.R. TL 37637 00871
NAME/FUNCTION Guncotton Drying	Shed	START DATE 1872?	END DATE 1904?
		HOTOGRAPHY VAILABLE	
CARTOGRAPHIC DI	EPICTION	DOCUMENTARY REFE	ERENCES
1886 WASC 900/38 1897 O.S. Essex XLIX c1900 WASC 900/79	7 O.S. Essex XLIX.14		
PHOTOGRAPHY HISTORIC PHOTOGRAPHY RCHME			
RELATIONSHIPS W	TH OTHER MONUMENTS		
ASSOCIATED WITH	Guncotton Factory 288,291,291a	a, RCHME 313	
CONDITION D	emolished		
DESCRIPTION 1) CONSTRUC	TIONAL MATERIAL		
2) ROOF MATERIALS AND STRUCTURE			
3) POWER SOURCE			
4) DIMENSIO	DIMENSIONS i) L ii) W iii) HT		
approximate The building	siting. The shed probably wer	te of this building the N.G.R. can on the out of use when guncotton procedured and was probably demoler.	luction began on the South site

NAME/FUNCTION COrning House NO PHOTOGRAPHY AVAILABLE CARTOGRAPHIC DEPICTION DOCUMENTARY REFERENCES 1887 Winters 57-9 PHOTOGRAPHY HISTORIC RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: Horsemill Islands CONDITION: Demolished DESCRIPTION 1) CONSTRUCTIONAL MATERIAL 2) ROOF MATERIALS AND STRUCTURE 3) POWER SOURCE Muscle 4) DIMENSIONS i) L ii) W iii) HT	NUMBER	OLD SERIES	RCHME NUMBER 359	N.G.R. TL	
CARTOGRAPHIC DEPICTION WASC 900/01 Site of Corning PHOTOGRAPHY HISTORIC PHOTOGRAPHY HISTORIC PHOTOGRAPHY HISTORIC PHOTOGRAPHY HISTORIC PHOTOGRAPHY RCHME PHOTOGRAPHY RCHME CONDITION: Demolished DESCRIPTION 1) CONSTRUCTIONAL MATERIAL 2) ROOF MATERIALS AND STRUCTURE 3) POWER SOURCE Muscle	NAME/FUNCTION Corning House		Control of the Contro		
WASC 900/01 Site of Corning 1887 Winters 57-9 PHOTOGRAPHY HISTORIC PHOTOGRAPHY RCHME PHOTOGRAPHY RCHME RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: Horsemill Islands CONDITION: Demolished DESCRIPTION 1) CONSTRUCTIONAL MATERIAL 2) ROOF MATERIALS AND STRUCTURE 3) POWER SOURCE Muscle					
PHOTOGRAPHY HISTORIC PHOTOGRAPHY RCHME PHOTOGRAPHY RCHME RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: Horsemill Islands CONDITION: Demolished DESCRIPTION 1) CONSTRUCTIONAL MATERIAL 2) ROOF MATERIALS AND STRUCTURE 3) POWER SOURCE Muscle	CARTOGRAPHIC DEI	ICTION	DOCUMENTARY REFI	ERENCES	
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: Horsemill Islands CONDITION: Demolished DESCRIPTION 1) CONSTRUCTIONAL MATERIAL 2) ROOF MATERIALS AND STRUCTURE Muscle RCHME RCHME	WASC 900/01 Site of C	orning	1887 Winters 57-9		
ASSOCIATED WITH: Horsemill Islands CONDITION: Demolished DESCRIPTION 1) CONSTRUCTIONAL MATERIAL 2) ROOF MATERIALS AND STRUCTURE 3) POWER SOURCE Muscle					
CONDITION: Demolished DESCRIPTION 1) CONSTRUCTIONAL MATERIAL 2) ROOF MATERIALS AND STRUCTURE 3) POWER SOURCE Muscle	RELATIONSHIPS WIT	H OTHER MONUMENTS			
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL 2) ROOF MATERIALS AND STRUCTURE 3) POWER SOURCE Muscle	ASSOCIATED WITH:	Horsemill Islands			
1) CONSTRUCTIONAL MATERIAL 2) ROOF MATERIALS AND STRUCTURE 3) POWER SOURCE Muscle	CONDITION: Demolish	ed			
3) POWER SOURCE Muscle	22001	IONAL MATERIAL			
Muscle	2) ROOF MATE	ROOF MATERIALS AND STRUCTURE			
4) DIMENSIONS i) L ii) W iii) HT	*** **********************************				
	4) DIMENSION	S i) L ii) W iii) H	ŦT		