

CUS/32/7

SHI/NAV/2#5

CUS/32/7

SECRETARIAT

2177/B
VOL 1

2177/B

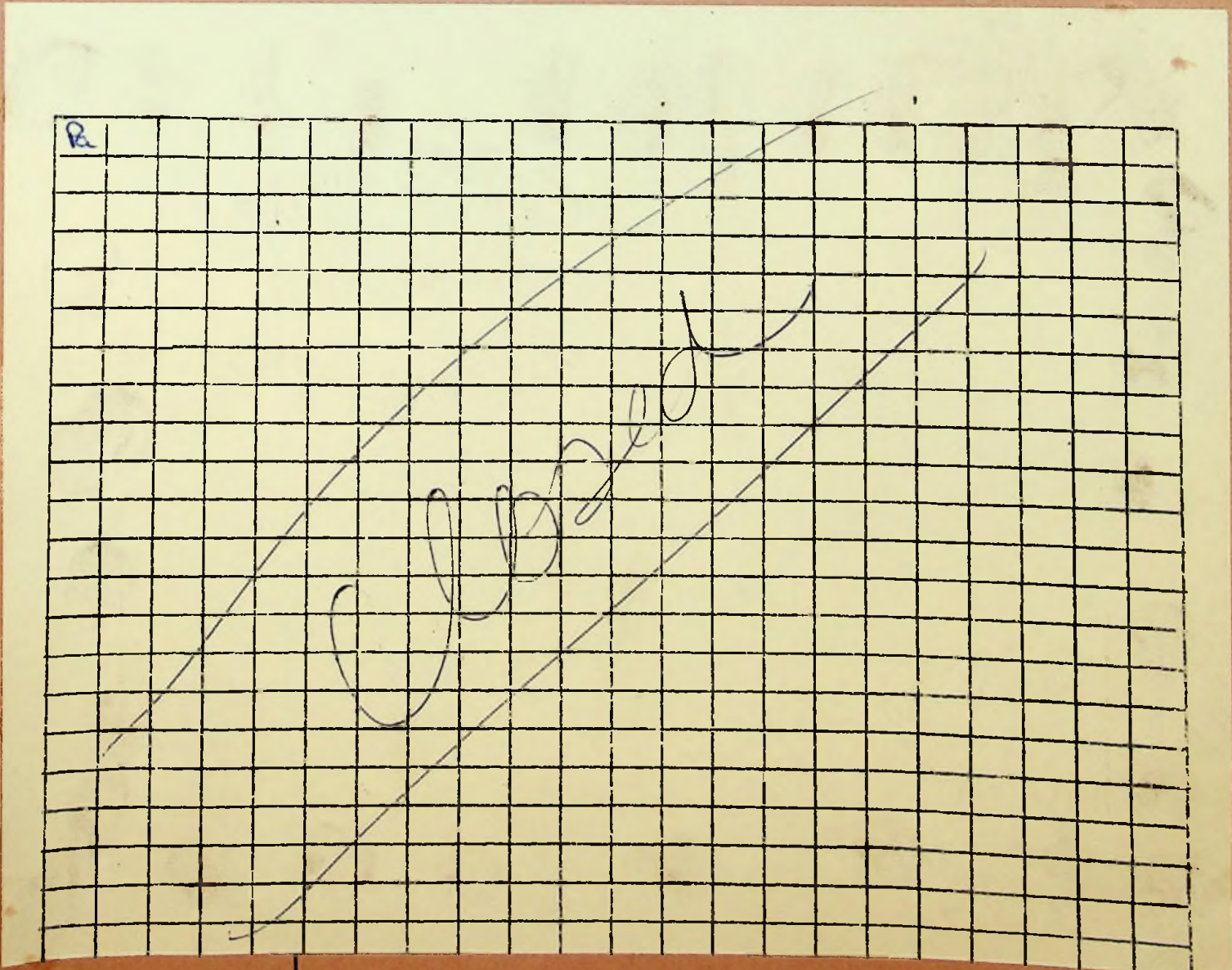
(Formerly)

NAVIGATION LIGHTS & BEACONS.

MENGEARY LIGHT.

ARCHIVE

CONNECTED FILES.





224

H.C.S.

It is my intention to seek approval to renew the Mengeary Point light in the next financial year. I would be grateful therefore if the Crown Agents could be asked to obtain an estimate from the Gas Accumulator Co. Ltd. and also to advise Government on the most suitable type of light to meet present day requirement.

I submit below a draft letter for your approval.

"Gentlemen,

Copy letter

Mengeary Point Lighthouse

The abovenamed lighthouse is situated at Mengeary Point, East Falkland, and serves as a harbour light for shipping entering and clearing Stanley harbour, and also a local navigation light for small craft plying around the Islands. It is the northern harbour light, mounted on a 44 ft. steel tower. Cape Pembroke lighthouse serving as the southern light.

This light was inspected at Government's request by Mr. James E. Lewis, a Trinity House engineer, in May 1959. He has recommended that the general condition of the steel tower, access ladder, lantern gallery and railings is such that any attempt to repair or renew sections of the steelwork would be extremely difficult and definitely uneconomical. The structure is considered to be dangerous and unsafe, and complete replacement is considered to be the only satisfactory solution. The lantern, however, together with the optic and flasher, can be reasonably salvaged and incorporated in any new proposals, which might take the form of a tubular steel tower, or perhaps precast concrete. New storage arrangements would also be necessary for the acetylene accumulators and this could take the form of a cabinet constructed in steel or timber. If mild steel is entertained for the new construction, all material should be galvanised.

It is with this end in view, I am directed to enquire if you will enlist the help of the Gas Accumulator Co. Ltd., Beacon Works, Brentford, Middlesex, to advise us on a suitable replacement and for an estimate of the cost.

Government have been advised by Master Mariners who use this Port regularly that it is not necessary to have such a high tower, and it is thought that 15 ft. tower and a Radar Reflector fitted would be most helpful. The proposed new light should have a range of ten nautical miles. When erected the light will be approximately 65 ft. above sea-level."

L/S

Harbour Master.
14/11/61.

*225 2
P 16/11/61*

226 3

*S/C Pt. have letter prepared
16.11.61*

20 November, 61.

Gentlemen,

Mengeary Point Lighthouse

The above named lighthouse is situated at Mengeary Point, East Falklands, and serves as a harbour light for shipping entering and clearing Stanley Harbour, and also a local navigation light for small craft plying around the Islands. It is the northern harbour light, mounted on a 44 ft. steel tower with Cape Pembroke Lighthouse serving as the southern light.

2. The light was inspected at Government's request by Mr. James E. Lewis, a Trinity House Engineer, in May, 1959. Mr. Lewis reported that the general condition of the steel tower, access ladder, lantern gallery and railings was such that any attempt to repair or renew sections of the steelwork would be extremely difficult and definitely uneconomical. The structure is considered to be dangerous and unsafe and complete replacement is considered to be the only satisfactory solution. The lantern, however, together with the optic and flasher, can be reasonably salvaged and incorporated in any new proposals, which might take the form of a tubular steel tower or perhaps precast concrete. New storage arrangements would also be necessary for the acetylene accumulators and this could take the form of a cabinet constructed in steel or timber. If mild steel is entertained for the new construction, all material should be galvanised.

3. Government have been advised by Master Mariners who use this Port regularly that it is not necessary to have such a high tower, and it is thought that a 15 ft. tower with a Radar Reflector fitted would be most helpful. The proposed new light should have a range of ten nautical miles and when erected the light will be approximately 65 ft. above sea-level.

4. I am directed to enquire if you will enlist the help of the Gas Accumulator Co. Ltd., Beacon Works, Brentford, Middlesex, to advise us on a suitable replacement and to submit an estimated cost of materials required.

I am,
Gentlemen,
Your obedient servant,

(Sgd.) H.L. Bound

for COLONIAL SECRETARY.

Crown Agents for Oversea Governments and Administrations,
4, Millbank,
LONDON, S.W.1.

Copy to H/Master

WJG/IM.

BU 20.62 (mail)
No mail etc. 2.1.62

THE FOLLOWING REFERENCE AND THE
DATE OF THIS LETTER SHOULD BE
QUOTED IN COMMUNICATIONS.

Q/BM3/M4/Falkland Islands 9034

CROWN AGENTS

FOR OVERSEA GOVERNMENTS AND ADMINISTRATIONS

4, MILLBANK,

LONDON, S.W.1.

TELEGRAMS { INLAND : "CROWN, SOWEST, LONDON."
OVERSEA : "CROWN, LONDON S W 1"

TELEPHONE : ABBEY 7730

TELEX No. 24209



6th February 1962.

Sir,

Mengeary Point Lighthouse.

6
bc
9
I am directed to refer to your letter No. 1537/II, dated 20th November, 1961, and to enclose copy of letter dated 30th January 1962, received from Messrs. Gas Accumulator Company Ltd., together with copy of their Drawing No.-4387, showing the Tower and Housing which they propose, and leaflet and Two Drawings describing the Radar Reflector.

Messrs. Gas Accumulator Company's letter appears to cover the requirements set out in your letter, and prices for the Tower and Radar Reflector are quoted.

However, should further information be required, this will be gladly obtained.

I am, Sir,
Your obedient servant,

J. R. Kundle

The Colonial Secretary,
Stanley,
Falkland Islands.

JMcG/DW

6.

TELEPHONE: ISLEWORTH 6465 (PRIVATE EXCHANGE)
TELEGRAMS: AGAFAROS, BRENTFORD, HOUNSLOW
CODES: A.B.C. 5TH EDITION - BENTLEY'S
WESTERN UNION - UNIVERSAL & FIVE LETTER

Gas Accumulator Co. (United Kingdom) Ltd
Lighthouse & Marine Lighting Engineers.
Beacon Works.



CONTRACTORS TO
THE ADMIRALTY, TRINITY HOUSE,
CROWN AGENTS FOR OVERSEAS GOVERN-
MENTS & ADMINISTRATIONS, NORTHERN
LIGHTHOUSE BOARD, COMMISSIONERS OF
IRISH LIGHTS, AIR MINISTRY, ETC.



AND AT BEACON WORKS,
BRIDGE ROAD, SOUTHALL, MIDD.
TELE: SOUTHALL 3163.

Brentford.

Our Ref: *EE/BN/BO. 4348.*

Yr. Ref: *Q/EE13/14/FALKLAND ISLANDS 9034.*

30th January, 1962.

The Crown Agents,
4, Millbank,
LONDON. S.W.1.

Dear Sirs,

Mengeary Point Lighthouse.

Further to our letter of the 16th January we now have pleasure in putting forward our proposal concerning the above mentioned Lighthouse.

Unfortunately we do not have any definite information in our records concerning the installation under the heading Mengeary, but it is possible that the light is also referred to by some other name. We see however that most of the lights in the Falkland Islands area are equipped with 300 mm or 500 mm lanterns under sunvalve control, and that they are supplied by four or six AK-50 accumulators. Assuming that this is so for Mengeary Point, we feel that a tower and housing similar to the one shown on Drawing No. 4387 may be suitable for the reestablishment of the light.

It is noted from your letter of the 29th December 1961 that a range of 10 miles is required and as the natural elevation will enable a light to have a geographical range of approximately 12 miles, we are sure that the slightly shorter tower that we have suggested will be suitable. This type of tower is already in service in the Falkland Islands at Cape Meredith Light and we believe that it has given satisfaction.

Although we have suggested a complete tower and accumulator housing, it may be considered that with the natural elevation available, all that may be necessary is a concrete housing to accommodate the gas cylinders and a small pedestal secured to the roof on which the lantern can be mounted. If this suggestion is acceptable it may be necessary to provide some additional gas piping for the re-arranged cylinders, and the only additional item necessary will be a radar reflector which we understand is required for the new light.

The price of a RAD-51 pentagonal radar reflector as illustrated in the enclosed leaflet is £71. 17. 6. (Seventy-one-pounds-seventeen-shillings-and-sixpence). This type of radar reflector is suitable for fitting beneath Aga lanterns up to the 300 mm size. If however, a 500 mm lantern is to be used, then a similar but slightly larger radar reflector will be needed, and the price of this item is £100. 10. 0. (One-hundred-pounds-ten-shillings)

Continued/.....


Delivery of the radar reflectors can be given in about two months from the receipt of an order. The price of a 12' - 6" focal height tower complete with accumulator housing, gallery and lantern pedestal, and similar to the one shown on Drawing No. 4387 is £498. 0. 0. (four-hundred-and-ninety-eight-pounds) including delivery F.O.B. London.

This price includes a set of installation materials for six AK-50 accumulators including piping, coupling blocks, stopvalves, clamps and pads, and the steelwork would be galvanized and dismantled piece-small for shipment. Foundation bolts are also included. Delivery of the structure could be given in about four-five months from the receipt of an order.

With regard to the optical range, this will of course depend upon the performance of the existing equipment, and this can be determined by reference to table 2 in Section 2A of our brochure, a copy of which is in the possession of the Authority in the Falkland Islands.

We trust that our offer will be of interest and shall be pleased to provide any further information or assistance that may be needed.

Yours faithfully,
GAS ACCUMULATOR CO. (UNITED KINGDOM) LIMITED.


P. McISAAC.

Subject to the attached Price Variation Clause.

THE AGA PENTAGONAL RADAR REFLECTOR.

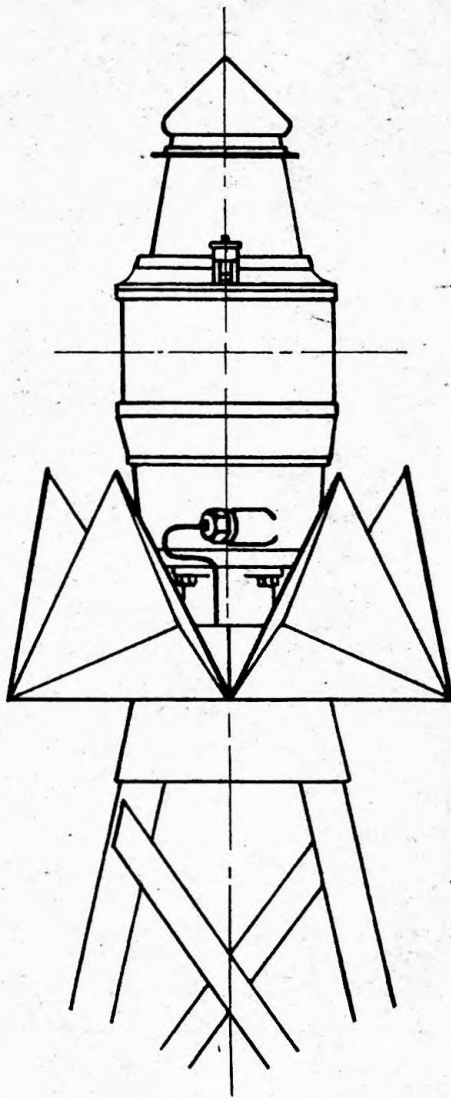
Our Pentagonal Radar Reflector is depicted on the enclosed Drawings Nos. W.9153 and W.9510. It consists of a non-ferrous base casting, which supports five reflector pockets, a non-ferrous lantern pedestal, which is located inside the base casting and a gas supply pipe.

The method of fitting the reflector to a buoy trestle or a beacon is briefly as follows:-

The base casting, with the segments already in position, is bolted to the structure by two $\frac{1}{2}$ " bolts. The lantern with the pedestal and gas pipe attached to its base can then be positioned inside the reflector. The bolts securing the pedestal pass through the lantern plate of the structure and hold both pedestal and reflector casting rigidly in position. The existing main pipe or the new one, according to the installation concerned, can be connected to the coupling in one of the feet of the lantern pedestal and the unit is then complete.

The reflector can be used with any AGA lantern up to the LBS2-300 size and if necessary can be provided with an adaptor to make it suitable for other types of lanterns.

The AGA Pentagonal Radar Reflector is now being used by Port and Harbour Authorities in the United Kingdom and abroad and the reports of its performance have been most encouraging. It is not possible to give exact performance data because the effective range of a radar reflector depends on a number of variable factors, such as the sensitivity of the radar equipment used and the weather conditions. However, it has been established that the AGA Pentagonal Radar Reflector is as good as, if not better than its predecessor, the Octahedral Type.



LBSX 200 LANTERN.

RAD. 51 PENTAGONAL
RADAR REFLECTOR.

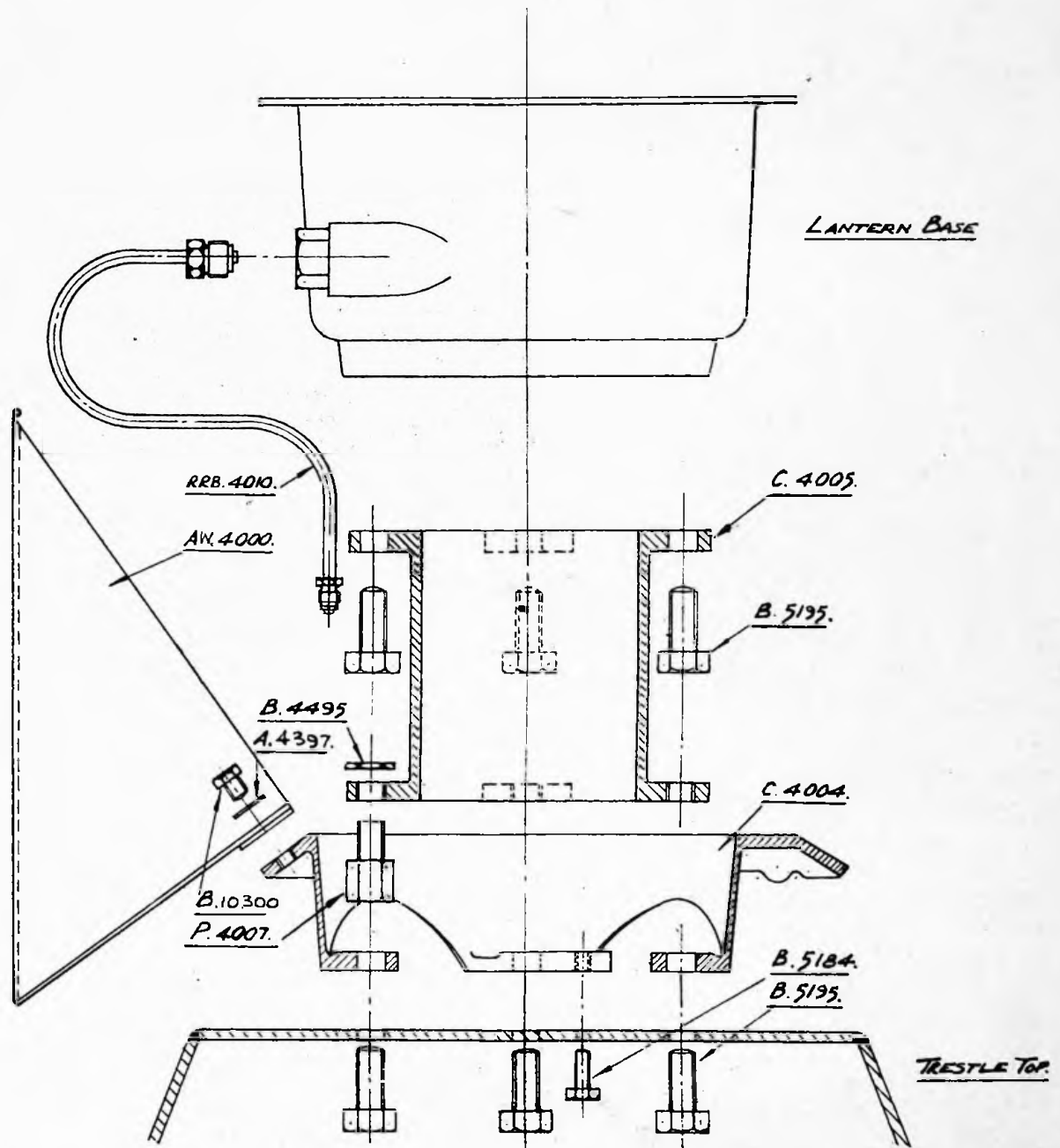


BRENTFORD - ENGLAND.

ARRANGEMENT OF PENTAGONAL
RADAR REFLECTOR WITH LANTERN.

SCALE	1:12	DATE	28-10-55
DRAWN	R.C.C.	CHKD.	

DRG. No. W.9153.



MODIFICATIONS		DATE	RAD. 51. SINGLE PENTAGONAL RADAR REFLECTOR, ASSEMBLY DRAWING SHOWING PART NUMBERS			DRG. No.		
1	B5517 WAS B5516 & A4285 WAS A4302	16-7-59				SCALE 1:4. MATL. FINISH		
2	B10300 WAS B5517 & A4397 WAS A4285	18-12-59	DRAWN A.G.A.					
3	A.4025 ADDED (INSULATING STRIP)	10-2-60	DATE 1-10-58.					
4			ISSUE No.					
GAS ACCUMULATOR CO. (U.K.) LTD.			APPRD.			2	3	4

H.M.

5 for inf. + observations of

D.H.

22.2.62

12

H.B.S.

My attention has been drawn to a brand new Harbour light lying in at the Army Bank on the shore. I have spoken to the S.P.W. about this light and he has no objection to the Harbour Department taking it over.

Subject to your approval I would like to get this light down to our workshop and have it examined, because, I am of the opinion this will replace the emergency light on a smaller mounting.

I would also like approval to estimate under Special Expenditure one Radar Reflector to fit on to this light when erected. The cost of which including freight etc. should not exceed £81.

Also under Special Expenditure I have estimated the sum of £500 to cover the dismantling and erection of the emergency light. This figure is subject to professional confirmation later, when I can get a suitable day to take S.P.W. to view the work required.

apl. ¹³

5/3/62

H.B.

H.M.

5.3.62

H.M.

H.M. C.T.

14

to note approval of

7.3.62

H.C.S.

Wold. Thank you.

H.G.
H.M.
8.3.62.

H.C.S. 16

Noted, thank you.

H.G.
8.3.62

17
S/C P. Lowe 12 copies to Estimates file

18

9.3.62

12 copied to Estimates file.

H.M. 9/3/62.

Bu 10.4.62

Bu 15.10.62 to enquire progress.

19

H.M. What is the position now pl?

16.10.62

H.C.S.

20

This work has had to be held over until we get Philomet into commission again. We hope to take S.P.W.S. to the light first Friday which it is possible to make a landing

H.G.
H.M.

17.10.62

Gen

21

H.M.

What is the position now?

Bu. 20.12.62

H.B.S.

I'm afraid I haven't had time to be
of late to spare her for this work. But
I hope to get things moving early in the
new year.

H.B.S.

24.12.62

Bu 24/1

R 24/2

Bu 1/3 R.

23

H.M.

2

R 1/3

H.B.S.

24

Hungary light has been blown down for us
by the Gunnery office and party from Mrs
Proctor. Plans are going ahead for the
light from the Army camp to be erected.
You will be kept informed of progress. Weather
permitting I hope to have the new light
erected before going on leave. 6 May.

Seen

(and heard!)

H.B.S.

H.M.

14.8.63

R 19/3/64

Bu 14.6.63

Record

The new light has now been erected
& became operational on 21.6.63

19.7.63
H.A.