## Contributed by Bobbie R. Bailey

DEPARTMENT OF LIME LAVE

Supervisor of Shipbuilding, U. S. Navy 2400 - 11th Avenue, S. W. Seattle, Washington 98134

IN REPLY REFER TO: LPD/9410 Ser 552Q-771 5 Feb 1965

From: Supervisor of Shipbuilding, U. S. Navy, Seattle

To: . Chief, Bureau of Ships (Code 529)

Subj: DENVER (LPD-9) and LPD-10, Contract NObs 4660; Puget Sound Bridge and Dry Dock Company Purchase Order LPD-2, Main Propulsion and Reduction Gears, Drawing, comments concerning

Ref: (a) Specs for Building LPD-7 Cl Ships, Sect 9410-1 (b) Mil Specs MIL-T-17600 (SHIPS) of 5 Apr 1961

Encl: (1) GE Co Dwg No. 7493E63, Rev D, Main Propulsion Unit Outline (Port).
(2) PSB&DD Co, Seattle ltr JAF:bb(2) Ser LPD 9481 of 15 Jan 1965

1. One (1) each of enclosures (1) and (2) is forwarded with the following comments:

a. Information required by 3.17.6.2.1 (c), (f), (g), (h), (i) and (j) of reference (b) is not shown or is incomplete on the drawing, enclosure (1).

b. The total weight of the turbine units is indicated by enclosure (1) as 54,500 pounds. Page 389, lines 64 and 65 of reference (a) specifies that turbines for one shaft shall not exceed 50,300 pounds in weight. Each turbine total weight exceeds the specification limitation by 4,200 pounds.

2. Due to the importance of the subject equipment Bureau action is requested. To prevent delay of ship delivery, it is recommended that a Change Order be issued that the requirement that any increase in weight or moment resulting from the change be chargeable to the Shipbuilder.

237

LPD 7 CLASS 94 By direction

Copy to: BUSHIPS (Code 641)

650210-0308

COPY TO CODE 641

GUND ENTRES & DRY DOCK CO. SEATTLE 4. WASHINGTON

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ÉND BRIDGE & DRY DOCK CO. 2929-166: AVENUE S. W. SEATTLE 4. WASHINGTON

General Electric Company Serial LED 9481 15 January 1805

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1229-10/9410 Ser 6412-321

Frank Chief, Bureau of Ships

To: Supervisor of Shipbuilding, U.S. Navy, Seattle

16 APR 1965

Subj: LPD9 and 10, NObs-4660, propulsion turbines; comments on outline (port)

Hef: (a) SUPSHIP Scattle ltr Ser 5520-771 of 5 Feb 1965

(b) G.E. Dwg. 7493E63, Rev. D, Main Propulsion Unit Outline (Port)

(e) PSB & DD Co. Seattle ltr Ser LPD9481 of 15 Jan 1965

(d) MIL-P-17600B

(e) DESAIPS ltr Ser 641B-796 of 17 July 1964

- 1. Reference (a) forwards references (b) and (c) to the Bureau with comment.
- 2. The Bureau has reviewed references (b) and (c) and concurs with the Supervisor that the requirements of paragraph 3.17.6.2.1 of reference (d) have not been fulfilled. Previous Bureau comments on Revision B of reference (b) are contained in paragraphs 12 and 14 of reference (e) and these comments remain pertinent to Revision B of the drawing. The directions included within reference (e) appear to meet the intent of paragraph 2.b of reference (e).
- 3. As requested by paragraph 2 of reference (a), we will issue a change order to cover the increase in weight over specification requirements. Change Order will increase allowable weight from 50,300 pounds to 55,000 pounds. It should be noted that this weight limitation applies to the combined weights of one high pressure turbine, one low pressure turbine and one crossover pipe (with expansion joint). Foundations, girders, astern valves, strainers, spares, etc. as not intended to be included.

Copy to: 641B 529

**W**alliant A.F.

F.R. HOCK

Prepared by E.H. •1ds, Ext. 66466 Typed by F. Gallagher 4/9/65

General Electric Company 1100 Western Avenue West Lynn 3, Mass., 01905

Letter No. 438-81750/T2A

Date: 7 1965

To:

Lockheed Shipbuilding & Construction

2929-16th Avenue S. W. Seattle, Washington, 98134 Attention: Master Plan Section

From:

General Electric Company

1100 Western Avenue

West Lynn 3, Massachusetts, 01905

Subject:

LPD-9 & 10 - Main Propulsion Turbines

Lockheed P. O. LPD-2, Navy Contract Nobs-4660 G. E. Requisition 438-81750

Plan Submittal Action

References: G. E. DRWG. NO.

TITLE

(a) 815D159 Rev. A Diagram of Gland Seal & Vent System. (b) Bureau of Ships letter Ser. 641B-473 of 5 May 1965.

Enclosures:

(A): Five prints of reference (a) to Lockheed Shipbuilding & Construction Company

(B): Two prints of reference (a) to Bureau of Ships, Code 641.

- 1. Enclosure (A), which has been modified in compliance with paragraph 1.b. of reference (b) is being submitted with this letter for revision approval.
- With regard to the comment of paragraph 1.b.(6) of reference 2. (b), the table columns have been arranged by SHP increments in accordance with contract requirements. Therefore, it is respectfully requested that this comment be withdrawn.
- 3. Enclosure (B) is being forwarded with this letter to the Bureau in accordance with the requirements of MIL-T-17600B.

PS:mac

Very truly yours,

BY:

PAULINE SKORNIK SPECIALIST

650910-0467

-2-

## Letter No. 438-81750/T2A

CC:

Bureau of Ships, Code 641
Washington 25, D. C. (w/Encl. (B)

J. Marino, 64-6M

D. J. McDonnell, San Francisco Office H. P. Vail, Seattle Office (w/2 prints) M. F. Martin, Seattle Office A. E. Lapham, 4-64G (w/1 print) Pauline Skornik, 3-64S



COMPANY

1100 WESTERN AVENUE, WEST LYNN, MASS. . . . TELEPHONE LYnn 8-6000

MEDIUM STEAM

TURBINE GENERATOR

AND GEAR DEPARTMENT

Letter No. 438-81750/T10

Date: April 9, 1965

TO:

Lockheed Shipbuilding & Construction Company

2929-16th Avenue S. W. Seattle, Washington, 98134

Attention: Master Plan Section

FROM:

General Electric Company

1100 Western Avenue

West Lynn 3, Massachusetts, 01905

SUBJECT: LPD-9 & 10 - Main Propulsion Turbines

Lockheed P. O. LPD-2, Navy Contract NObs-4660

G. E. Requisition 438-81750

Plan Submittal Action

References:

G. E. Drawing No.

Title

(a) 815D559

237

Turbine Throttle Control Diagram

& Enclosures:

(A): Five prints of plan, reference (a) to Lockheed Shipbuilding & Construction Company

(B): Two prints of plan, reference (a), to Bureau of Ships, Code 641

l. Enclosure (A) is being transmitted with this letter for approval.

Enclosure (B) is being forwarded with this letter to the Bureau in 2. accordance with the requirements of MIL-T-17600B.

Very truly yours,

650414-0741

Sparnik ITP

PS:tp

AULINE SKORNIK

Letter No. 438-81750/T10

Page -2-

CC: Bureau of Ships, Code 641
Washington 25, D.C. (W/Encl. (B) )

Inspector of Naval Material, USN Boston, Massachusetts Attn: QADS, Bldg. 64-6M Lynn, Massachusetts

H. P. Vail, Seattle Office, (W/2 prints) M. F. Martin, Seattle Office A. E. Lapham, 4-64-G Pauline Skornik, 3-64-S

LPD9&10/9410 Ser 641B-642

From: Chief, Bureau of Ships

To: Supervisor of Shipbuilding, U.S. Navy, Seattle

Subj: LPD9 and 10, NObs-4660, propulsion turbine; throttle

control diagram, comments on

23 JUL 1965

Ref:

(a) GE ltr Ser 438-81750/T10 of Apr 9, 1965

(b) GE Dwg. 815D559, Rev. A - "Control Diagram"

(c) MIL-T-17600B

- 1. Reference (a) forwarded reference (b) as an enclosure to the Bureau in accordance with MIL-T-17600B, Table VII. This plan has been reviewed and the following comments are offered to the Supervisor for guidance during approval action:
- 2. At loc D-8/9, the words "View of Valve to Open" are not clear or clearly located. It is recommended this notation be relocated and reworded to indicate valve lift sequence (if such is the present intention).
- 3. At Loc. D-7/9, after "lst-----6th" add "valve cracking points".

cc 529

> F.R. HOCK By direction

Prepared by E.H. Olds, Ext. 66466 Typed by F. Gallagher 7/19/65

Secretary and Se

EMB