From: Supervisor of Shipbuilding, Conversion and Repair, USN, Newport News
To: Newport News Shipbuilding and Dry Dock Company
Attention: Mr. R. W. Small, E45

Subj: RONALD REAGAN (CVN 76), CONTRACT N00024-95-C-2100 - APPROVAL OF GRADE 'A' SHOCK REQUEST FOR METAL JOINER DOORS NAVSEA STANDARD DRAWING NUMBER 004-5950320 - NEWPORT NEWS SHIPBUILDING AND DRY DOCK COMPANY PURCHASE ORDER P546D-525D-F5-F10

Ref: (a) NNSDD/DCG Data Accession File No. DAC02-20021105-002 of 5 Nov 2002
(b) Dayton T. Brown, Inc. Engineering and Test Division Shock Test Report No. DTB04R01-0782 of 10 Dec 2001
(c) Dayton T. Brown, Inc. Engineering and Test Division Shock Test Report No. DTB04R01-0779 of 10 Dec 2001
(d) Dayton T. Brown, Inc. Engineering and Test Division Shock Test Report No. DTB04R01-0782 of 10 Dec 2001
(g) Dayton T. Brown, Inc. Engineering and Test Division Shock Test Report No. DTB04R01-0787 of 10 Dec 2001
(i) Advanced Structures Corp. Job No. 99-2083/F5-F10, Sheet No. 83, NNPN 7751822
(j) Advanced Structures Corp. Job No. 99-2083/F5-F10, Sheet No. 244, NNPN 7751878
(k) Advanced Structures Corp. Job No. 99-2083/F5-F10, Sheet No. 76, NNPN 7752002
(l) Advanced Structures Corp. Job No. 99-2093/F5-F10, Sheet No. 245, NNPN 7751859
(m) Advanced Structures Corp. Job No. 99-2083/F5-F10, Sheet No. 180, NNPN 7751840
(n) Advanced Structures Corp. Job No. 99-2083/F5-F10, Sheet No. 85, NNPN 7751448
(o) Advanced Structures Corp. Job No. 99-2083/F5-F10, Sheet No. 150, NNPN 7752827
(p) Advanced Structures Corp. Job No. 99-2083/F5-F10, Sheet No. 26, NNPN 7751729
(q) Advanced Structures Corp. Rev (No Date) Rationale for Shock Extension

End: (1) Figure 19 Shock Test Acceptance Information for Metal Joiner Door, Dwg 5953320, Type E, NT/SQ/EXTR, Size 86 X 74 inches
(2) Figure 19 Shock Test Acceptance Information for Metal Joiner Door, Dwg 5953320, Type K, NT/SQ/DUTCH, Size 86 X 75 inches
(3) Figure 19 Shock Test Acceptance Information for Metal Joiner Door, Dwg 5953320, Type P, FTRC/EXTR, Size 26 X 66 inches
(4) Figure 19 Shock Test Acceptance Information for Metal Joiner Door, Dwg 5953320, Type M, NT/SQ/EXTR, Size 36 X 75 inches
(5) Figure 19 Shock Test Acceptance Information for Metal Joiner Door, Dwg 8950320, Type A, FT/SQ/EXTR, Size 50 X 68 inches
Subject: RONALD REAGAN (CVN 76), CONTRACT N00024-85-C-2105 - APPROVAL OF GRADE 'A' SHOCK REQUEST FOR METAL JOINER DOORS: NAVSEA STANDARD DRAWING NUMBER 804-6888820, REV. X - NEWPORT NEWS SHIPBUILDING AND DRY DOCK COMPANY PURCHASE ORDER P6480-8250-F5-F10

Enc: (Continued)

(6) Figure 19 Shock Test Acceptance Information for Metal Joiner Door, Dwg B989320, Type A. NT/SQ/EXTR. Size 25 X 66 inches
(7) Figure 16 Shock Test Acceptance Information for Metal Joiner Door, Dwg 8969520. Type B. (SECURED W/COMB. LOCK). Size 36 X 74 inches
(8) Figure 17 Shock Test Extension Acceptance Information for Metal Joiner Door, Dwg 8969520. Type C. Size 26 X 76 inches

1. Reference (a) submitted references (b) through (o) for Government approval for Grade "A" shock qualification. Supervisor of Shipbuilding, Conversion and Repair, USN, Newport News (SUPSHIPNN) has reviewed references (a) through (o) and Grade "A" shock test approval as granted for Shock Test Reports reference (a) through (o).

2. Reference (a) also requested an extension of the Grade A shock qualification of reference (h) to the metal door door identified as Item 96 on reference (p) and submitted reference (h) as rationale for the shock test extension. SUPSHIPNN has reviewed references (h). (p), and (a) and approval is granted for the requested shock test extension.

3. Enclosures (1) through (8) are forwarded for your records.

4. Supervisor of Shipbuilding, Conversion and Repair, USN, Newport News point of contact is T. A. Maratello. Code 252G, telephone (767) 888-9134, e-mail maratello@supship.navy.nim.

5. The requirements of this letter do not authorize any change in the terms, conditions, delivery schedule, price, or amount of current contracts or other government contracts. In the event that Newport News Shipbuilding and Dry Dock Company (NNS&DDCo) considers that these requirements represent a change for which an equitable adjustment is in order, NNS&DDCo is to advise the contracting officer of the particular technical or contractual requirements regarded as changed and take no action with regard to such changed requirements until notified in writing of the contracting officer's response. However, if the contract contains the clause entitled "Notification of Changes," then NNS&DDCo shall comply with the notification provisions therein.

J. R. DUDLEY
By direction

Copy to:
Naval Surface Warfare Center, Carderock Div
(NSWC, CO)
Philadelphia Site
Philadelphia, PA 19112-5083
Attention Code 6251 (wref (a) thru (h));
NAVSEA 05P3 (wref (a))
PMS 312 (wref (a))
SUPSHIPNN Code 252 (wrefs (a) thru (h)).
From: Supervisor of Shipbuilding, Conversion and Repair, USN, Newport News
To: Northrop Grumman Shipbuilding, Inc.
Attention: Mr. D.R. Bryan, III, E45

Subj: USS GEORGE H. W. BUSH (CVN 77), APPROVAL OF REQUEST FOR MIL-S-901D SHOCK QUALIFICATION FOR ADVANCED STRUCTURES CORPORATION, 18" X 36" METAL JOINER DOOR

Ref: (a) NGSB Engineering Document Transmittal and Evaluation Form (NN 9014), Tracking No. RS2009-103180 of 15 Sep 09
(b) Dayton T. Brown, Inc. Engineering and Test Division Test Report No. DTB04R01-0797: Medium Weight Hammer Shock Test Conducted on One Metal Joiner Door, Part No. 7754148, Elev. No. A1 235, Serial No. DTB-1; for Advanced Structures Corp., of 10 Dec 01
(c) SUPSHIPNN Inc 9072 Ser CVN76-252G/1417, of 14 Nov 02
(d) Advanced Structures Corp. Inc Shock Test Extension Request Rationale for 18" x 36" Metal Joiner Door, Dwg 804-5959320, Type A, of 5 Jun 09
(e) NGSB Comparison of Modifications to Type "A" Door Manufactured to Drawing 804-5959320 for NNPN 16401645 Door 18" x 36".
(g) DID No. DI-ENVR-80706: Data Item Description, Shock Test Extension Request, of 21 Nov 88
(h) NAVSEANST 9072 1A: Shock Hardening of Surface Ships, of 24 Nov 89

Enc: (1) Figure 19: Shock Test Acceptance Information for 18" x 36" Metal Joiner Door, Dwg 804-5959320, Type A (Modified)

1. Reference (a) submitted references (b) through (e) to Supervisor of Shipbuilding, Conversion and Repair, USN, Newport News (SUPSHIPNN) for review and requested shock test extension approval in accordance with Military Specification MIL-S-901D for the following equipment:

   Equipment: 18" x 36" Metal Joiner Door
   Manufacturer: Advanced Structures Corporation
   Drawing No.: 804-5959320 Rev. –
   NNPN: 16401645

2. SUPSHIPNN has reviewed references (a) through (e) in accordance with references (f) through (h). The above listed equipment is approved for Grade "A", Class I, Type A, Deck Mounted locations, Combination Mounting Plane, Unrestricted Orientation applications. Enclosure (1) provides additional information concerning this shock qualification approval.

3. SUPSHIPNN point of contact is Mr. Randy K. Williams, telephone (757) 688-9704, e-mail Randall Williams@supshipnn.navy.mil.

4. The requirements of this letter do not authorize any change in the terms, conditions, delivery schedule, price, or amount of current contracts or other government contracts. In the event that Northrop Grumman Shipbuilding, Inc. (NGSB) considers that these requirements represent a change for which an
Subj: USS GEORGE H. W. BUSH (CVN 77); APPROVAL OF REQUEST FOR MIL-S-901D SHOCK QUALIFICATION FOR ADVANCED STRUCTURES CORPORATION, 18" X 36" METAL JOINER DOOR

equitable adjustment is in order. NGSB is to advise the contracting officer of the particular technical or contractual requirements regarded as changed and take no action with regard to such changed requirements until notified in writing of the contracting officer's response. However, if the contract contains the clause entitled "Notification of Changes," then NGSB shall comply with the notification provisions therein.

D. E. GREGORY
By direction

Copy to:
PEO Carriers, PMS312
NAVSEA 05P13 (M. Winnette)
Naval Surface Warfare Center
Carderock Division (NSWCCD)
Philadelphia Site
Philadelphia, PA. 19112-5083
Attention: Code 669 (B. Castelli) (w/ refs (a)-(e))
Advanced Structures Corporation Additional Shock Test Reports Con’t Sheet

7). Test Report No.: DTB04R03-0221
Subject: Medium Weight Hammer Shock Test Program Conducted on one Metal Joiner Door, Part No. ASC7753819, FTZ w/4 Fixed Light FTZ1-28
Date: 16 April 2003
Test Specifications: MIL-S-901D
Government Cont: P646D-5250-F5-F10
Reference DWG: 805-1648659
Results: Accepted/Passed Grade A Shock

8). Test Report No.: 1-4236
Subject: GRP Ladder Shock Test
Date: 3 May 2001
Test Specifications: MIL-S-901D
Reference DWG: 5184098 Rev. A
Results: Accepted/Passed Grade A Shock

9). Test Report No.: DTB04R01-0779
Subject: Medium Weight Hammer Shock Test Program Conducted on one Metal Joiner Door, Part No. 775189, Elev. No.: KM-01, Serial No.: DTB-2, Type KM w/SHeel
Date: 10 December 2001
Test Specifications: MIL-S-901D
Government Cont: P646D-5250-F5-F10
Reference DWG: 805-5956320 Rev. A
Results: Accepted/Passed Grade A Shock

10). Test Report No.: DTB04R01-0780
Subject: Medium Weight Hammer Shock Test Program Conducted on one Metal Joiner Door, Part No. 7751879, Elev. No.: M1-03, Serial No.: DTB-3, Type M
Date: 10 December 2001
Test Specifications: MIL-S-901D
Government Cont: P646D-5250-F5-F10
Reference DWG: 805-5959320 Rev. A
Results: Accepted/Passed Grade A Shock

11). Test Report No.: DTB04R01-0781
Subject: Medium Weight Hammer Shock Test Program Conducted on one Metal Joiner Door, Part No. 7751640, Elev. No.: A2-01, Serial No.: DTB-5, Type A
Date: 10 December 2001
Test Specifications: MIL-S-901D
Government Cont: P646D-5250-F5-F10
Reference DWG: 805-5959320 Rev. A
Results: Accepted/Passed Grade A Shock

12). Test Report No.: DTB04R03-0292
Subject: Medium Weight Hammer Shock Test Program Conducted on one Metal Joiner Door, Part No. ASC7753695, Type C
Date: 2 May 2003
Test Specifications: MIL-S-901D
Government Cont: P646D-5250-F5-F10
Reference DWG: 805-5959320 Rev. A
Results: Accepted/Passed Grade A Shock

13). Test Report No.: DTB04R03-0222
Subject: Medium Weight Hammer Shock Test Program Conducted on one Metal Joiner Door, Part No. ASC7754159, Type A
Date: 16 April 2003
Test Specifications: MIL-S-901D
Government Cont: P646D-5250-F5-F10
Reference DWG: 805-5959320 Rev. A
Results: Accepted/Passed Grade A Shock
Advanced Structures Corporation Additional Shock Test Reports Con’t Sheet

14). Test Report No.: DTB04R03-0290
   Subject: Medium Weight Hammer Shock Test Program Conducted on one Metal Joiner Door,
   Part No. ASC7754151, Type N, Double Door
   Date: 2 May 2003
   Test Specifications: MIL-S-901D
   Government Cont: P646D-5250-F5-F10
   Reference DWG: 805-5959320 Rev. A
   Results: Approved/Passed Grade A Shock

15). Test Report No.: DTB04R03-0883, Revision A
   Subject: Medium Weight Hammer Shock Test Program Conducted on one Metal Joiner Door,
   Part No. 15096500, Type N, Double Door
   Date: 1 December 2003
   Test Specifications: MIL-S-901D
   Government Cont: N00024-98-C-2107
   Reference DWG: 805-5959320 Rev. A
   Results: Approved/Passed Grade A Shock

16). Test Report No.: DTB04R03-0289
   Subject: Medium Weight Hammer Shock Test Program Conducted on one Metal Joiner Door,
   Part No. ASC7753738, Type P, Secure Door
   Date: 2 May 2003
   Test Specifications: MIL-S-901D
   Government Cont: P646D-5250-F5-F10
   Reference DWG: 805-5959320 Rev. A
   Results: Approved/Passed Grade A Shock

17). Test Report No.: DTB04R01-0782
    Subject: Medium Weight Hammer Shock Test Program Conducted on one Metal Joiner Door,
    Part No. 7751820, Elev. No. E3-06, Serial No. DTB-6, Type E
    Date: 10 December 2001
    Test Specifications: MIL-S-901D
    Government Cont: P646D-5250-F5-F10
    Reference DWG: 805-5959320 Rev. A
    Results: Approved/Passed Grade A Shock

18). Test Report No.: DTB04R00-0598, Revision A
    Subject: Medium Weight Hammer Shock Test Program Conducted on one Metal Joiner Door,
    Part No. 7752627, Serial No. DTB-1, Type F, FT
    Date: 15 October 2001
    Test Specifications: MIL-S-901D
    Government Cont: P646D-5250-F5-F10
    Reference DWG: 805-5959320 Rev. A
    Results: Approved/Passed Grade A Shock

19). Test Report No.: DTB04R01-0798
    Subject: Medium Weight Hammer Shock Test Program Conducted on one Metal Joiner Door,
    Part No. 7753982, Elev. No. P1-225, Serial No. DTB-7, Type P
    Date: 10 December 2001
    Test Specifications: MIL-S-901D
    Government Cont: P646D-5250-F5-F10
    Reference DWG: 805-5959320 Rev. A
    Results: Approved/Passed Grade A Shock
Advanced Structures Corporation Additional Shock Test Reports Con’t Sheet

20). Test Report No.: DIB04R03-0291
Subject: Medium Weight Hammer Shock Test Program Conducted on one Metal Joiner Door. Part No: ASC7752063. Fume Tight Double Door
Date: 2 May 2003
Test Specifications: MIL-S-901D
Government Cont: P546D-5250-F5-F10
Reference DWG: 805-5959320 Rev. A
Results: Accepted/Passed Grade A Shock

21). Test Report No.: 2-4373
Subject: Medium Weight Hammer Shock Test Program Conducted on one Metal Joiner Window Airtight
Date: 26 March 2002
Test Specifications: MIL-S-901D
Government Cont: 450071710
Results: Accepted/Passed Grade A Shock

22). Test Report No.: 7-9872-3
Subject: Medium Weight Hammer Shock Test Program Conducted on one 18”x18” Passing Window Type HS1818 w/Grille
Date: 28 August 1987
Test Specifications: MIL-S-901D
Results: Accepted/Passed Grade A Shock

23). Test Report No.: R-9534
Subject: Lightweight Hammer Shock Program Conducted on one Passing Window 14.5” x 22” Type 1
Date: 24 July 2002
Test Specifications: MIL-S-901D
Results: Accepted/Passed Grade A Shock