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WEIGHT AND MOMENT ESTIMATE PROGRAM PAGE II

FOR SHIP LPD-26

DATE NOV 22,2013

USER SUPPLIED COMMENTS

AMPHIBIOUS TRANSPORT DOCK

LPD-26 & 27

29TH QUARTERLY WEIGHT REPORT

CDRL NO. A004-042

LIGHTSHIP 1 & 3 DIGIT SUMMARIES

&

LOADING CONDITIONS

PREPARED UNDER CONTRACT N00024-06-C-2222

HUNTINGING INGALLS

INDUSTRIES

P.O. BOX 50280

NEW ORLEANS LOUISIANA 70150-0280

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WEIGHT AND MOMENT ESTIMATE PROGRAM PAGE III

FOR SHIP LPD-26 REPORT NUMBER 29

DATE NOV 22,2013

USER SUPPLIED COMMENTS

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\*\*\* G E N E R A L N O T E S \*\*\*

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1 UNLESS OTHER WISE NOTED, THE AXES USED AS REFERENCE PLANES ARE:

VCG - MOLDED BASELINE OF SHIP

LCG - FORWARD PERPENDICULAR

TCG - CENTERLINE OF SHIP (PORT=+,STBD=-).

2 SYMBOLS USED FOR WEIGHT CLASS ARE:

E = ESTIMATED

C = CALCULATED

A = ACTUAL

V = VENDOR

X = CONTRACT MODIFICATION

3 SYMBOLS USED FOR MATERIAL SOURCE ARE:

G = GOVERNMENT FURNISHED MATERIAL

F = CONTRACTOR FURNISHED MATERIAL

P = CONTRACTOR PURCHASED MATERIAL.

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WEIGHT AND MOMENT ESTIMATE PROGRAM PAGE IV

FOR SHIP LPD-26 REPORT NUMBER 29

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USER SUPPLIED COMMENTS

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\*\*\* C O M M E N T A R Y \*\*\*

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THE QUARTERLY WEIGHT REPORT WAS PREPARED BY HUNTINGTON INGALLS INDUSTRIES,

AND IS SUBMITTED IN ACCORDANCE WITH CDRL A004-042 UNDER

CONTRACT N00024-06-C-2222.

AS IS THE PRACTICE OF MULTIPLE HULL CONTRACTS, THIS REPORT CONTAINS

A STATEMENT OF THE DIFFERENCES BETWEEN LPD-26 AND LPD-27.

THESE DIFFERENCES ARE SHOWN ON PAGES IX THROUGH X.

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WEIGHT AND MOMENT ESTIMATE PROGRAM PAGE V

FOR SHIP LPD-26 REPORT NUMBER 29

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\*\*\* C O M M E N T A R Y \*\*\*

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THE PERCENTAGE OF COMPLETION FOR LIGHTSHIP SHOWN IN THE 29TH QWR IS 95%.

THE FOLLOWING AREAS WERE REVISED SINCE THE LPD-25 28TH QWR:

- BASELINED AND NEW CHANGE ORDER ACTIVITY

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WEIGHT AND MOMENT ESTIMATE PROGRAM PAGE VI

FOR SHIP LPD-26 REPORT NUMBER 29

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\*\*\* C O M M E N T A R Y \*\*\*

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THE WEIGHT AND VCG VARIANCE BETWEEN THE LPD-19 "AS-INCLINED"

AND THE LPD-22 "PAPER-SHIP" IS AS FOLLOWS:

WEIGHT VCG

LPD-19 "AS-INCLINED" 19359.88 12.35

LPD-22 "5TH QWR" 19080.63 12.35

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VARIANCE 279.25 0.00

THE ABOVE VARIANCE IS DEPICTED AS MARGIN IN THIS REPORT. THE VARIANCE

(MARGIN) WILL BE REDUCED ACCORDINGLY TO REFLECT ANY WEIGHT

RECONCILLATION DETERMINED BETWEEN THE PAPER SHIP AND THE INCLINE VALUE.

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WEIGHT AND MOMENT ESTIMATE PROGRAM PAGE VII

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USER SUPPLIED COMMENTS

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\*\*\* M A R G I N (VARIANCE) S T A T U S - L P D 2 2 THRU 2 7 \*\*\*

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WEIGHT VM LM TM

VARIANCE MARGIN - 279.25 3192 28752 332S

LS RECONCILLATION - 0.82 443 -992 401S

NEW VAR. MARGIN - 278.43 2749 29744 69P

LS RECONCILLATION (13QWR) 91.25 1487 7961 198S

NEW VAR. MARGIN 187.18 1262 21783 267P

LS RECONCILLATION (14QWR) 41.99 665 6330 50P

NEW VAR. MARGIN 145.19 597 15453 217P

LS RECONCILLATION (15QWR) 0.00 0 0 0

NEW VAR. MARGIN 145.19 597 15453 217P

LS RECONCILLATION (16QWR) 0.00 0 0 1P

NEW VAR. MARGIN 145.19 597 15453 216P

LS RECONCILLATION(17-29QWR) 0.00 0 0 0

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WEIGHT AND MOMENT ESTIMATE PROGRAM PAGE VIII

FOR SHIP LPD-26 REPORT NUMBER 29

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USER SUPPLIED COMMENTS

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\*\*\* C O M M E N T A R Y \*\*\*

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THE CONTRACTOR'S RESPONSIBLE FULL LOAD CONDITION (NTE) FOR THE 29TH

QUARTERLY WEIGHT REPORT EXCEEDS THE WEIGHT LIMIT AS NOTED BELOW.

THE TRIM AND LIST CONDITION ARE WITHIN THE STABILITY LIMITS ESTABLISHED

IN SECTION 070h OF THE SPECIFICATIONS.

CONTRACTOR'S FULL LOAD CONDITION 26,055.70 MT 11.27 KG

NTE VALUES 26,025.00 MT 11.28 KG

OVER NTE VALUES 30.70 MT 0.00 KG

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WEIGHT AND MOMENT ESTIMATE PROGRAM PAGE IX

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DATE NOV 22,2013

USER SUPPLIED COMMENTS

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\*\*\* L P D - 2 7 D E V I A T I O N S \*\*\*

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AS OF THIS REPORT, THE KNOWN DEVIATIONS BETWEN LPD-26 AND LPD-27

ARE AS FOLLOWS:

MT V-MOMENT L-MOMENT T-MOMENT

LPD-27 FULL LOAD, INCL CO & GFM 25979.98 292478 2606593 335

LPD-26 FULL LOAD, INCL CO & GFM 25967.97 292385 2605882 353

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DIFFERENCE 12.01 93 711 - 18

LESS CONTRACT MOD DIFF, LPD-27 12.01 93 711 - 18

(SEE CONTRACT MOD REPORT) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

NON-CONTRACT MODIFICATIONS 0.00 0 0 0

(SEE DETAILS BELOW)

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WEIGHT AND MOMENT ESTIMATE PROGRAM PAGE X

FOR SHIP LPD-26 REPORT NUMBER 29

DATE NOV 22,2013

USER SUPPLIED COMMENTS

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\*\*\* L P D - 2 7 - D E V I A T I O N S \*\*\*

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THE LPD-27 FULL LOAD CONDITION, INCLUDING CO & GFM GROWTH:

DISPLACEMENT = 25979.98 TONNES

KG = 11.29 METERS

TRIM = 0.10 METERS BY HEAD

LIST = 0.19 DEGREES PORT

THE LPD-27 FULL LOAD CONDITION, EXCLUDING CO, GFM GROWTH, & 1/2 VECP'S

DISPLACEMENT = 26055.70 TONNES

KG = 11.27 METERS

TRIM = 0.11 METERS BY HEAD

LIST = 0.09 DEGREES STBD

THE CONTRACTOR'S RESPONSIBLE FULL LOAD CONDITION (NTE) FOR LPD-27

29TH QUARTERLY WEIGHT REPORT EXCEEDS THE WEIGHT AS NOTED ABOVE.

THE KG VALUE DOES NOT EXCEEDS THE NTE VALUE AS NOTED ABOVE.

THE TRIM AND LIST CONDITION ARE WITHIN THE STABILITY

LIMITS ESTABLISHED IN SECTION 070h OF THE SPECIFICATIONS.

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WEIGHT AND MOMENT ESTIMATE PROGRAM PAGE XI

FOR SHIP LPD-26 REPORT NUMBER 29

DATE NOV 22,2013

USER SUPPLIED COMMENTS

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\*\*\* L P D - 2 6 - R E V I S I O N S \*\*\*

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AS OF THIS REPORT, THE SIGNIFICANT REVISIONS FOR LPD-26

ARE AS FOLLOWS:

SWBS FMR/CHG NET CHANGE DESCRIPTION

NO. (KG)

182 HMR-0257 -6 DELETE PIPE SUPPORT FDN FOR GCCS-M

183 HMR-0257 +165 REVISED FDN FOR GCCS-M

184 HMR-0257 -125 REVISED FDN FOR GCCS-M

321 HMR-0257 -103 DELETE CABLE FOR GCCS-M

411 HMR-0257 -1214 REVISED SCH.A NO.1 TATICAL COMMAND SYSTEM WEIGHT

415 HMR-0257 -43 DELETE CABLE AND CONNECTORS FOR GCCS-M

493 HMR-0257 -11 DELETE CABLE AND CONNECTORS FOR GCCS-M

512 HMR-0257 -69 DELETE HVAC FOR GCCS-M

622 HMR-0257 33 ADD FALSE DECK DUE TO REVISED GCCS-M

153 HMR-0248 -78 DELETE BOAT VALLEY FALL PROT STEEL PL

612 HMR-0248 +755 ADD BOAT VALLEY FALL PROT SQ.TUBING & WIRE ROPE

623 HMR-0248 -21 MODIFY VL FOR BOAT VALLEY FALL PROTECTION

183 HMR-0242 -180 REVISED FDN FOR AN/WSC-9A(V)3 NMT TERMINAL

184 HMR-0242 +547 REVISED FDN FOR EHF ANT RADOME, HEATER, AND PEDESTAL

423 HMR-0242 +22 ADD CABLE FOR AN/WSC-9A(V)3 NMT TERMINAL

441 HMR-0242 -175 REVISED TURNKEY SCH. A 012 RADIO COMM SYS WEIGHT

512 HMR-0242 +27 REVISED VENTILATION FOR AN/WSC-9A(V)3 NMT TERMINAL

551 HMR-0242 -12 REVISED SML BORE PIPING FOR AN/WSC-9A(V)3 NMT TERMINAL

184 HMR-0240 -47 REVISED FDN FOR SWAN BLADE SERVER

321 HMR-0240 +135 REVISED CABLE FOR SWAN BLADE SERVER

415 HMR-0240 -1651 REVISED SWAN BLADE SERVER CABINETS

512 HMR-0240 +2 REVISED BAL VALVE FOR SWAN BLADE SERVER

514 HMR-0240 +4 REVISED PIPING/FITTINGS FOR SWAN BLADE SERVER

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WEIGHT AND MOMENT ESTIMATE PROGRAM PAGE XII

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USER SUPPLIED COMMENTS

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\*\*\* L P D - 2 6 - R E V I S I O N S \*\*\*

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AS OF THIS REPORT, THE SIGNIFICANT REVISIONS FOR LPD-26

ARE AS FOLLOWS:

SWBS FMR/CHG NET CHANGE DESCRIPTION

NO. (KG)

631 HMR-0238 +3 ADDITION OF PAINT FOR P/S SHAFT BOSSING MODS

633 HMR-0238 +191 ADDITION OF ANODES FOR P/S SHAFT BOSSING MODS

321 HMR-0236 -22 REVISED CABLE FOR LAUNDRY EQUIPMENT DELETIONS

512 HMR-0236 -54 DELETE ALUM SHEET/COIL FOR LAUNDRY EQUIPMENT DELETIONS

533 HMR-0236 -43 DELETE PIPING/FITTINGS FOR LAUNDRY EQUIPMENT DELETIONS

655 HMR-0236 -2257 DELETION OF VARIOUS LAUNDRY EQUIPMENT

185 HMR-0235 -3920 DELETION OF FDN FOR HYDRAULIC TEST STAND

186 HMR-0235 -738 DELETION OF FDN FOR VARIOUS SHOP TOOLS/MACHINERY

321 HMR-0235 -228 DELETION OF CABLE FOR VARIOUS SHOP TOOLS/MACHINERY

331 HMR-0235 -4 DELETION OF SWITCHES/RCPT/BOXES FOR VARIOUS SHOP TOOLS/MACHINERY

514 HMR-0235 -16 DELETION OF A/C PIPING FOR VARIOUS SHOP DELETIONS

551 HMR-0235 -27 DELETION OF COMPRESSED AIR PIPING FOR VARIOUS SHOP DELETIONS

665 HMR-0235 -3953 DELETION OF VARIOUS SHOP TOOLS/MACHINERY/CAB’TS

185 HMR-0221 +96 REVISED FDN FOR A/C CHLORINATOR MODS

514 HMR-0221 +52 REVISED A/C PIPING/FITTINGS FOR A/C CHLORINATOR MODS

433 HMR-0216 +45 ADDED LOUDSPEAKERS IN ANNOUNCING SYSTEMS

529 HMR-0216 +69 REVISED TUBING/FITTINGS IN DRAINAGE & BALLASTING SYSTEMS

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WEIGHT AND MOMENT ESTIMATE PROGRAM PAGE XIII

FOR SHIP LPD-26 REPORT NUMBER 29

DATE NOV 22,2013

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\*\*\* L P D - 2 6 - R E V I S I O N S \*\*\*

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AS OF THIS REPORT, THE SIGNIFICANT REVISIONS FOR LPD-26

ARE AS FOLLOWS:

SWBS FMR/CHG NET CHANGE DESCRIPTION

NO. (KG)

182 HMR-0210 -305 DELETION OF FDN FOR TWO OF SEVEN A/C UNITS

185 HMR-0210 -2487 DELETION OF COAMING/FDN FOR TWO OF SEVEN A/C UNITS

321 HMR-0210 -888 DELETION OF CABLE FOR TWO OF SEVEN A/C UNITS

322 HMR-0210 -486 DELETION OF CABLE FOR TWO OF SEVEN A/C UNITS

324 HMR-0210 -180 DELETION OF SWITCHGEARS/PNLS FOR TWO OF SEVEN A/C UNITS

438 HMR-0210 -210 DELETION OF DAU’S/CABLE FOR TWO OF SEVEN A/C UNITS

514 HMR-0210 -20951 DELETION OF TWO OF SEVEN A/C UNITS & ASSOC. PIPING

516 HMR-0210 -25 DELETION OF REFRIGERATION PIPING FOR TWO OF SEVEN A/C UNITS

521 HMR-0210 +2 DELETION OF FIREMAIN PIPING FOR TWO OF SEVEN A/C UNITS

524 HMR-0210 -922 DELETION OF AUX.S.W.SYS. PIPING FOR TWO OF SEVEN A/C UNITS

598 HMR-0210 -3399 DELETION OF AUX.SYS.OPER.FLUIDS FOR TWO OF SEVEN A/C UNITS

622 HMR-0210 -93 DELETION DUE TO TWO OF SEVEN A/C UNITS BEING DELETED

438 HMR-0209 +57 ADDITION OF CABLE FOR FVAR CHILLED WATER/ASSOC. SYS. MOD’S

514 HMR-0209 +385 MODIFICATIONS FOR FVAR CHILLED WATER/ASSOC. SYS. MOD’S

598 HMR-0209 -14 MODIFICATIONS TO AUX.SYS.OPER.FLUIDS FOR FVAR MOD’S

321 HMR-0194 +1 ADDITION OF CABLE FOR FVAR FIREMAIN

521 HMR-0194 +182 ADDITION OF PIPING/FITTINGS FOR FVAR FIREMAIN MOD

167 HMR-0182 +91 MODIFICATION OF WATERTIGHT DOUBLE DOORS

455 HMR-0149 -90 MODIFICATION OF MARK XIIA MODE 5 IFF SYSTEM

441 HMR-0148 -67 REPLACE AN/PDR-65A FXD.RADIAC SET W/IM-265/PDQ BRDG.MNT.RADIAC

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WEIGHT AND MOMENT ESTIMATE PROGRAM PAGE XIV

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\*\*\* L P D - 2 6 - R E V I S I O N S \*\*\*

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AS OF THIS REPORT, THE SIGNIFICANT REVISIONS FOR LPD-26

ARE AS FOLLOWS:

SWBS FMR/CHG NET CHANGE DESCRIPTION

NO. (KG)

471 HMR-0147 -192 UPGRADE AN/SLQ-32B(V)2 BLOCK 1A TO AN/SLQ-32 BLOCK 1B2

472 HMR-0147 -22 UPGRADE AN/SLQ-32B(V)2 BLOCK 1A TO AN/SLQ-32 BLOCK 1B2

432 HMR-0140 +121 UPDATE WPCS UPS AND UHF/VHG LINKER ADDITION

116 HMR-0128 -612 DEDUCTION DUE TO LOWER WING COLLARLESS CONSTRUCTION

117 HMR-0128 -772 DEDUCTION DUE TO LOWER WING COLLARLESS CONSTRUCTION

121 HMR-0128 -706 DEDUCTION DUE TO LOWER WING COLLARLESS CONSTRUCTION

122 HMR-0128 -1077 DEDUCTION DUE TO LOWER WING COLLARLESS CONSTRUCTION

123 HMR-0128 -53 DEDUCTION DUE TO LOWER WING COLLARLESS CONSTRUCTION

133 HMR-0128 -533 DEDUCTION DUE TO LOWER WING COLLARLESS CONSTRUCTION

141 HMR-0128 -1195 DEDUCTION DUE TO LOWER WING COLLARLESS CONSTRUCTION

142 HMR-0128 -680 DEDUCTION DUE TO LOWER WING COLLARLESS CONSTRUCTION

143 HMR-0128 -586 DEDUCTION DUE TO LOWER WING COLLARLESS CONSTRUCTION

711 HMR-0123 0 CHANGE MK 46 MOD 2 GWS FROM CFE TO GFE

184 HMR-0080 +20 FDN CHANGES DUE TO SWAN NETWORK UPGRADE

185 HMR-0080 -6 FDN CHANGES DUE TO SWAN NETWORK UPGRADE

331 HMR-0080 +87 ADDITION OF CABLE/RCPT DUE TO SWAN NETWORK UPGRADE

415 HMR-0080 -631 DELETION DUE TO SWAN NETWORK UPGRADE

475 HMR-0080 +223 ADDITION OF CABLE DUE TO SWAN NETWORK UPGRADE

512 HMR-0080 +7 INCREASE OF VENTILATION DUE TO SWAN NETWORK UPGRADE

514 HMR-0080 -79 DECREASE DUE TO FAN COIL CHANGE IN SWAN NETWORK UPGRADE

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WEIGHT AND MOMENT ESTIMATE PROGRAM PAGE XV

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\*\*\* L P D - 2 6 - R E V I S I O N S \*\*\*

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AS OF THIS REPORT, THE SIGNIFICANT REVISIONS FOR LPD-26

ARE AS FOLLOWS:

SWBS FMR/CHG NET CHANGE DESCRIPTION

NO. (KG)

183 FMR-1411 -119 DELETION DUE TO LED LIGHT FIXTURE FDN

186 FMR-1411 +3 INCREASE DUE TO SIZE INCREASE FOR WELDING PLATEN PADS

612 FMR-1410 +311 INCREASE DUE TO RUB RAIL AND REVISED BLWK PANELS

672 FMR-1407 -390 DELETION OF PAINT DISPENSERS/STATIONS/HOLDERS IN STOREROOMS

185 FMR-1402 0 RELOCATION OF RAM HANDLING EQUIPMENT STOWAGE

671 FMR-1402 -989 DECREASE DUE TO MODIFICATION OF RAM HANDLING EQUIPMENT STOWAGE

184 FMR-1398 -363 DECREASE DUE TO CHANGES IN FALSE DECKING AND STOW.CAB’T FDNS

332 FMR-1398 0 CHANGE DUE DELETION OF BLUE LENS FILTERS

415 FMR-1398 +1 INCREASE DUE TO ADDITION OF UPS SYS DUST CAPS

432 FMR-1398 -1638 DECREASE DUE TO DELETION OF RACKS/EQPT CAB’TS/UPS PWR UNIT

622 FMR-1398 +30 INCREASE DUE TO CHANGES IN FALSE DECKING COMPONENTS

441 FMR-1394 +68 INCREASE DUE TO REPLACEMENT OF SINCGARS VHF ANTENNAS

184 FMR-1393 +435 INCREASE DUE TO UPGRADE OF AUTOMATED DIGITAL NETWORK SYS.FDNS

441 FMR-1393 -5 DECREASE DUE TO UPGRADE OF AUTOMATED DIGITAL NETWORK SYS.TURNKEY

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\*\*\* L P D - 2 6 - R E V I S I O N S \*\*\*

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AS OF THIS REPORT, THE SIGNIFICANT REVISIONS FOR LPD-26

ARE AS FOLLOWS:

SWBS FMR/CHG NET CHANGE DESCRIPTION

NO. (KG)

184 FMR-1387 +57 INCREASE DUE TO REPLACEMENT OF IPDS W/IPDS-LR FDN

185 FMR-1387 -32 DECREASE DUE TO REPLACEMENT OF IPDS W/IPDS-LR FDN

186 FMR-1387 -11 DECREASE DUE TO REPLACEMENT OF IPDS W/IPDS-LR FDN

436 FMR-1387 -40 DECREASE DUE TO REPLACEMENT OF IPDS W/IPDS-LR

184 FMR-1381 +65 INCREASE DUE TO RELOCATION CHANGE OF HFSAR ANTENNA FDN

441 FMR-1381 +164 INCREASE DUE TO ADDED CABLE FOR RELOCATION CHG OF HFSAR ANT.

436 FMR-1379 -163 DELETION OF CABLE TO SENSORS FOR CYL.LINER TEMP.MONITORING

169 FMR-1373 +11 INCREASE DUE TO UPGRADE OF AN/SPS-48E(V)10 TO 48G(V)1 RADAR SET FDN

183 FMR-1373 -29 DECREASE DUE TO UPGRADE OF AN/SPS-48E(V)10 TO 48G(V)1 RADAR SET FDN

184 FMR-1373 -11 DECREASE DUE TO UPGRADE OF AN/SPS-48E(V)10 TO 48G(V)1 RADAR SET FDN

185 FMR-1373 -20 DECREASE DUE TO UPGRADE OF AN/SPS-48E(V)10 TO 48G(V)1 RADAR SET FDN

332 FMR-1373 +2 INCREASE DUE TO ADDED SWITCHES IN UPGRADE OF AN/SPS-48E(V)10 TO 48G(V)1 RADAR SET

412 FMR-1373 -137 DECREASE DUE TO DEL.CABLE IN UPGRADE OF AN/SPS-48E(V)10 TO 48G(V)1 RADAR SET

426 FMR-1373 -35 DECREASE DUE TO DEL.CABLE IN UPGRADE OF AN/SPS-48E(V)10 TO 48G(V)1 RADAR SET

436 FMR-1373 +49 INCREASE DUE TO ADDED CABLE/PNL. IN UPGRADE OF AN/SPS-48E(V)10 TO 48G(V)1 RADAR SET

441 FMR-1373 +47 INCREASE DUE TO ADDED CABLE IN UPGRADE OF AN/SPS-48E(V)10 TO 48G(V)1 RADAR SET

453 FMR-1373 -1058 DECREASE DUE TO THE UPGRADE OF AN/SPS-48E(V)10 TO 48G(V)1 RADAR SET

493 FMR-1373 -23 DECREASE DUE TO DEL.CABLE IN UPGRADE OF AN/SPS-48E(V)10 TO 48G(V)1 RADAR SET

532 FMR-1373 -17 DECREASE DUE TO DEL.PIPING IN UPGRADE OF AN/SPS-48E(V)10 TO 48G(V)1 RADAR SET

665 FMR-1373 +1 INCREASE DUE TO ADDED SHELF IN UPGRADE OF AN/SPS-48E(V)10 TO 48G(V)1 RADAR SET

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\*\*\* L P D - 2 6 - R E V I S I O N S \*\*\*

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AS OF THIS REPORT, THE SIGNIFICANT REVISIONS FOR LPD-26

ARE AS FOLLOWS:

SWBS FMR/CHG NET CHANGE DESCRIPTION

NO. (KG)

415 FMR-1372 +120 INCREASE DUE TO ADDED CABLE FOR IRIG-B CHANGES

423 FMR-1372 +9 INCREASE DUE TO ADDED CABLE FOR IRIG-B CHANGES

184 FMR-1359 -72 DECREASE DUE TO REMOVAL OF AN/USQ-T46C(V)13 AN/SLS-48E RADAR STIM.UNIT FDN

493 FMR-1359 -133 DECREASE DUE TO REMOVAL OF AN/USQ-T46C(V)13 AN/SLS-48E RADAR STIM.UNIT

593 FMR-1328 -5 DECREASE DUE TO CHANGES IN OIL CONTENT MONITOR RELAY/SENSORS

183 FMR-1303 -300 DECREASE DUE TO REMOVAL OF (4) AAAV ELEC.SERVICING STATION FDNS

314 FMR-1303 -945 DECREASE DUE TO REMOVAL OF (4) AAAV ELEC.SERVICING STATIONS AND CABLE

185 VECP-022 -55 DECREASE DUE TO REMOVAL OF ANCHOR WIND.HYD.CROSSCONN.VLV.FDN

321 VECP-022 -4 DECREASE DUE TO CABLE DELETION FOR ANCHOR WIND.HYD.CROSSCONN.VLV.

581 VECP-022 -308 DECREASE DUE TO DELETION OF ANCHOR WIND.HYD.CROSSCONN.VLV.SYS.

622 VECP-022 -63 DECREASE DUE TO DEL.OF WALKOVER PLTF. FOR ANCHOR WIND.HYD.CROSSCONN.VLV.

264 PECP-086 +624 INCREASE DUE TO BUILD CLEAN CRITICAL SYS. INITIATIVES

522 KECP-111 +1190 INCREASE DUE TO CHANGES IN THE MAGAZINE SPRINKLER NOZZLES

152 ECR-2265 -67 DECREASE DUE TO FDN CHANGE OF AN/SYQ-26(V)1(NAVMACS)II/SMS WITH AN/SYQ-26(V)7

183 ECR-2265 -208 DECREASE DUE TO CAB’T FDN CHANGES OF AN/SYQ-26(V)1(NAVMACS)II/SMS WITH AN/SYQ-26(V)7

441 ECR-2265 -1161 DECREASE DUE TO REPLACEMENT OF AN/SYQ-26(V)1(NAVMACS)II/SMS WITH AN/SYQ-26(V)7

512 ECR-2265 +48 INCREASE DUE TO VENTILATION CHG.IN AN/SYQ-26(V)1(NAVMACS)II/SMS WITH AN/SYQ-26(V)7

622 ECR-2265 +22 INCREASE DUE TO FALSE DECK CHG.WITH AN/SYQ-26(V)1(NAVMACS)II/SMS WITH AN/SYQ-26(V)7

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\*\*\* L P D - 2 6 - R E V I S I O N S \*\*\*

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AS OF THIS REPORT, THE SIGNIFICANT REVISIONS FOR LPD-26

ARE AS FOLLOWS:

SWBS FMR/CHG NET CHANGE DESCRIPTION

NO. (KG)

186 ECR-2222 -313 DECREASE DUE TO DELETION OF VARIOUS ELEC.SHOP FDN’S

321 ECR-2222 -23 DECREASE DUE TO CABLE DELETION FOR ELEC.SHOP MACHINERY

512 ECR-2222 -1 DECREASE DUE TO DAMPER DELETION IN ELEC.SHOP

665 ECR-2222 -2214 DECREASE DUE TO DELETION OF ELEC.SHOP MACHRY/EQUPT

184 ECR-2146 -50 DECREASE DUE TO DELETION OF TSTS ELEC.EQPT WORKSTATION FDN

434 ECR-2146 -75 DECREASE DUE TO CHANGES IN THE TSTS ELEC.EQPT WORKSTATIONS

183 ECR-2082 -128 DECREASE DUE TO FDN.REPLACE.HFRG AN/URC-131H(V) W/DMR HFDAG AN/SRC-66(V)3

185 ECR-2082 -55 DECREASE DUE TO FDN.REPLACE.HFRG AN/URC-131H(V) W/DMR HFDAG AN/SRC-66(V)3

441 ECR-2082 -1794 DECREASE DUE TO TURNKEY REPLACE.HFRG AN/URC-131H(V) W/DMR HFDAG AN/SRC-66(V)3

512 ECR-2082 +78 INCREASE DUE TO VENT.MOD’S,REPLACE.HFRG AN/URC-131H(V) W/DMR HFDAG AN/SRC-66(V)3

622 ECR-2082 +4 INCREASE DUE TO ADD.FALSE DK,REPLACE.HFRG AN/URC-131H(V) W/DMR HFDAG AN/SRC-66(V)3

183 ECR-2078 +25 INCREASE DUE TO FDN. CHG. TO REPLACE.SGSI W/ASGSI MK 130 MOD 0

185 ECR-2078 -146 DECREASE DUE TO FDN. CHG. TO REPLACE.SGSI W/ASGSI MK 130 MOD 0

186 ECR-2078 -30 DECREASE DUE TO FDN. CHG. TO REPLACE.SGSI W/ASGSI MK 130 MOD 0

321 ECR-2078 +2 INCREASE DUE TO ADD’TL CABLE FOR REPLACE.OF SGSI W/ASGSI MK 130 MOD 0

331 ECR-2078 +29 INCREASE DUE TO ADD’TL CABLE FOR REPLACE.OF SGSI W/ASGSI MK 130 MOD 0

415 ECR-2078 +20 INCREASE DUE TO ADD’TL CABLE FOR REPLACE.OF SGSI W/ASGSI MK 130 MOD 0

426 ECR-2078 -79 DECREASE DUE TO DEL.CABLE IN REPLACE.OF SGSI W/ASGSI MK 130 MOD 0

555 ECR-2078 -85 DECREASE DUE TO DEL.FPGH PIPE IN REPLACE.OF SGSI W/ASGSI MK 130 MOD 0

588 ECR-2078 -85 DECREASE DUE TO REPLACEMENT OF SGSI W/ASGSI MK 130 MOD 0

UNCLASSIFIED

UNCLASSIFIED

WEIGHT AND MOMENT ESTIMATE PROGRAM PAGE XIX

FOR SHIP LPD-26 REPORT NUMBER 29

DATE NOV 22,2013

STATION - LCG TABLE

STATION BEGINS ENDS STATION BEGINS ENDS STATION BEGINS ENDS

A -10.00 0.00 H 60.01 70.00 Q 130.01 140.00

B 0.01 10.00 J 70.01 80.00 R 140.01 150.00

C 10.01 20.00 K 80.01 90.00 S 150.01 160.00

D 20.01 30.00 L 90.01 100.00 T 160.01 170.00

E 30.01 40.00 M 100.01 110.00 U 170.01 180.00

F 40.01 50.00 N 110.01 120.00 V 180.01 190.00

G 50.01 60.00 P 120.01 130.00 W 190.01 200.00

X 200.01 210.00

UNCLASSIFIED

UNCLASSIFIED

WEIGHT AND MOMENT ESTIMATE PROGRAM PAGE XX

FOR SHIP LPD-26 REPORT NUMBER 29

DATE NOV 22,2013

HYDROSTATICS REFERENCE DATA

KEEL TO BASELINE 0.03000

DESIGNED DRAG 0.00000

LONGITUDINAL REF. 0.00000

VERTICAL REF. (INPUT) KEEL

VERTICAL REF. (OUTPUT) KEEL

UNCLASSIFIED

UNCLASSIFIED REPORT NO. 29

1-DIGIT WEIGHT AND MOMENT ESTIMATE

SHIP: LPD-26 11 / 22 / 2013

VARIANT ID: BASE LINE SI UNITS - KILOGRAMS, TONS, METERS, TON-METERS

PREPARED BY: HII LONGITUDINAL REFERENCE IS - 100.00 M FROM MID PERPENDICULAR PAGE 1

NAVY BUDGET PERCENT COMPLETE CURRENT VERTICAL LONGITUDINAL TRANSVERSE

GROUP

DESCRIPTION WEIGHT EST CALC ACT WEIGHT VCG MOMENT LCG MOMENT TCG MOMENT

1 HULL STRUCTURE 11,882.44 2 97 1 12,111.43 12.15 147,194 101.24A 1,226,125 0.03P 365

2 PROPULSION 1,069.24 6 39 55 1,074.30 4.78 5,132 107.37A 115,345 0.02P 18

3 ELECTRIC PLANT 923.94 4 62 34 936.70 11.49 10,767 87.70A 82,150 0.81P 763

4 COMMAND AND SURVEILLANCE 488.61 5 85 10 520.51 17.17 8,935 88.25A 45,936 0.10S - 55

5 AUXILIARY SYSTEMS 2,454.00 8 67 25 2,591.43 14.00 36,284 93.13A 241,343 0.04S - 108

6 OUTFIT AND FURNISHINGS 1,547.61 4 74 22 1,702.47 15.66 26,652 88.76A 151,116 0.19P 317

7 ARMAMENT 231.00 8 92 0 237.36 13.59 3,225 88.11A 20,913 1.20S - 284

GROUPS 1 -7 18,596.85 4 85 11 19,174.19 12.42 238,189 98.20A 1,882,927 0.05P 1,016

F FULL LOAD 6,715.06 0 100 0 6,648.59 8.06 53,600 106.41A 707,502 0.13S - 880

M MARGINS 45.91 100 0 0 145.19 4.11 597 106.43A 15,453 1.49P 216

SUMMARY FULL LOAD 25,357.81 3 89 8 25,967.97 11.26 292,385 100.35A 2,605,882 0.01P 353

CONDITION WITH MARGINS INCLUDING

CONTRACT MOD’S & GFE GROWTH

NOTE : ALL OF THE FOLLOWING QUANTITIES (EXCEPT AS NOTED)ARE REFERENCED FROM 100.00 METERS FWD OF THE MID PERPENDICULAR,THE CENTER LINE, AND THE KEEL .

1. LENGTH BETWEEN PERPENDICULARS 200.00 METERS 13. MOMENT TO ALTER TRIM ONE CENTIMETER 580.95 TONS-METERS

2. BOTTOM OF THE KEEL BELOW BASELINE 0.03 METERS 14. L.C.B. ON EVEN KEEL AT ABV. DRAFT 100.57 METERS AFT

3. C.G. ABOVE BOTTOM OF KEEL 11.29 METERS 15. LONGITUDINAL CENTER OF GRAVITY 100.35 METERS AFT

4. C.G. ABOVE BASELINE 11.26 METERS 16. TRIMMING LEVER 0.22 METERS FWD

5. DRAFT AT L.C.F. FOR ABOVE DISPL. 7.03 METERS 17. TRIM 0.10 METERS BY HEAD

6. TONS PER CENTIMETER IMMERSION 48.85 TONS / CM 18. L.C.F. 113.20 METERS AFT

7. TRANSVERSE METACENTER (KEEL) 15.48 METERS 19. DIFF. IN DRAFT, L.C.F. TO MIDSHIP 0.01 METERS INCREASE

8. GM, WITHOUT FREE SURFACE CORR. 4.19 METERS 20. DRAFTS :

9. FREE SURFACE CORRECTION 0.15 METERS FORWARD PERPENDICULAR 7.09 METERS

10. GM, WITH FREE SURFACE CORRECTION 4.04 METERS MEAN 7.04 METERS

11. MOMENT TO ALTER HEEL ONE DEGREE 1,831.28 TON-METERS AFT PERPENDICULAR 6.99 METERS

12. LIST 0.19 DEGREES PORT 21. DESIGNED DRAG 0.00 METERS

UNCLASSIFIED

UNCLASSIFIED REPORT NO. 29

1-DIGIT WEIGHT AND MOMENT ESTIMATE

SHIP: LPD-26 11 / 22 / 2013

VARIANT ID: BASE LINE SI UNITS - KILOGRAMS, TONS, METERS, TON-METERS

PREPARED BY: HII LONGITUDINAL REFERENCE IS - 100.00 M FROM MID PERPENDICULAR PAGE 1M

NAVY BUDGET PERCENT COMPLETE CURRENT VERTICAL LONGITUDINAL TRANSVERSE

GROUP

DESCRIPTION WEIGHT EST CALC ACT WEIGHT VCG MOMENT LCG MOMENT TCG MOMENT

1 HULL STRUCTURE 11,882.44 2 97 1 12,111.43 12.15 147,194 101.24A 1,226,125 0.03P 365

2 PROPULSION 1,069.24 6 39 55 1,074.30 4.78 5,132 107.37A 115,345 0.02P 18

3 ELECTRIC PLANT 923.94 4 62 34 936.70 11.49 10,767 87.70A 82,150 0.81P 763

4 COMMAND AND SURVEILLANCE 488.61 5 85 10 520.51 17.17 8,935 88.25A 45,936 0.10S - 55

5 AUXILIARY SYSTEMS 2,454.00 8 67 25 2,591.43 14.00 36,284 93.13A 241,343 0.04S - 108

6 OUTFIT AND FURNISHINGS 1,547.61 4 74 22 1,702.47 15.66 26,652 88.76A 151,116 0.19P 317

7 ARMAMENT 231.00 8 92 0 237.36 13.59 3,225 88.11A 20,913 1.20S - 284

GROUPS 1 -7 18,596.85 4 85 11 19,174.19 12.42 238,189 98.20A 1,882,927 0.05P 1,016

F FULL LOAD 6,715.06 0 100 0 6,648.59 8.06 53,600 106.41A 707,502 0.13S - 880

M MARGINS 45.91 100 0 0 145.19 4.11 597 106.43A 15,453 1.49P 216

X CON.MOD.REMOVED 0.00 100 0 0 87.73 6.28 551 105.95A 9,295 5.84S - 512

SUMMARY FULL LOAD 25,357.81 3 88 8 26,055.70 11.24 292,936 100.37A 2,615,177 0.01S - 159

CONDITION WITH MARGINS EXCLUDING

CONTRACT MOD’S & GFE GROWTH

NOTE : ALL OF THE FOLLOWING QUANTITIES (EXCEPT AS NOTED)ARE REFERENCED FROM 100.00 METERS FWD OF THE MID PERPENDICULAR,THE CENTER LINE, AND THE KEEL .

1. LENGTH BETWEEN PERPENDICULARS 200.00 METERS 13. MOMENT TO ALTER TRIM ONE CENTIMETER 582.28 TONS-METERS

2. BOTTOM OF THE KEEL BELOW BASELINE 0.03 METERS 14. L.C.B. ON EVEN KEEL AT ABV. DRAFT 100.61 METERS AFT

3. C.G. ABOVE BOTTOM OF KEEL 11.27 METERS 15. LONGITUDINAL CENTER OF GRAVITY 100.37 METERS AFT

4. C.G. ABOVE BASELINE 11.24 METERS 16. TRIMMING LEVER 0.24 METERS FWD

5. DRAFT AT L.C.F. FOR ABOVE DISPL. 7.05 METERS 17. TRIM 0.11 METERS BY HEAD

6. TONS PER CENTIMETER IMMERSION 48.89 TONS / CM 18. L.C.F. 113.25 METERS AFT

7. TRANSVERSE METACENTER (KEEL) 15.47 METERS 19. DIFF. IN DRAFT, L.C.F. TO MIDSHIP 0.01 METERS INCREASE

8. GM, WITHOUT FREE SURFACE CORR. 4.20 METERS 20. DRAFTS :

9. FREE SURFACE CORRECTION 0.14 METERS FORWARD PERPENDICULAR 7.11 METERS

10. GM, WITH FREE SURFACE CORRECTION 4.06 METERS MEAN 7.06 METERS

11. MOMENT TO ALTER HEEL ONE DEGREE 1,845.10 TON-METERS AFT PERPENDICULAR 7.00 METERS

12. LIST 0.09 DEGREES STBD 21. DESIGNED DRAG 0.00 METERS

UNCLASSIFIED

UNCLASSIFIED REPORT NO. 29

1-DIGIT WEIGHT AND MOMENT ESTIMATE

SHIP: LPD-26 11 / 22 / 2013

VARIANT ID: BASE LINE SI UNITS - KILOGRAMS, TONS, METERS, TON-METERS

PREPARED BY: HII LONGITUDINAL REFERENCE IS - 100.00 M FROM MID PERPENDICULAR PAGE 2

NAVY BUDGET PERCENT COMPLETE CURRENT VERTICAL LONGITUDINAL TRANSVERSE

GROUP

DESCRIPTION WEIGHT EST CALC ACT WEIGHT VCG MOMENT LCG MOMENT TCG MOMENT

1 HULL STRUCTURE 11,882.44 2 97 1 12,111.43 12.15 147,194 101.24A 1,226,125 0.03P 365

2 PROPULSION 1,069.24 6 39 55 1,074.30 4.78 5,132 107.37A 115,345 0.02P 18

3 ELECTRIC PLANT 923.94 4 62 34 936.70 11.49 10,767 87.70A 82,150 0.81P 763

4 COMMAND AND SURVEILLANCE 488.61 5 85 10 520.51 17.17 8,935 88.25A 45,936 0.10S - 55

5 AUXILIARY SYSTEMS 2,454.00 8 67 25 2,591.43 14.00 36,284 93.13A 241,343 0.04S - 108

6 OUTFIT AND FURNISHINGS 1,547.61 4 74 22 1,702.47 15.66 26,652 88.76A 151,116 0.19P 317

7 ARMAMENT 231.00 8 92 0 237.36 13.59 3,225 88.11A 20,913 1.20S - 284

GROUPS 1 -7 18,596.85 4 85 11 19,174.19 12.42 238,189 98.20A 1,882,927 0.05P 1,016

C CAPACITY LOAD 7,189.93 0 100 0 7,154.66 8.15 58,342 103.20A 738,331 0.10S - 711

M MARGINS 45.91 100 0 0 145.19 4.11 597 106.43A 15,453 1.49P 216

SUMMARY CAPACITY LOAD 25,832.69 3 89 8 26,474.03 11.22 297,127 99.60A 2,636,711 0.02P 522

CONDITION WITH MARGINS INCLUDING

CONTRACT MOD’S & GFE GROWTH

NOTE : ALL OF THE FOLLOWING QUANTITIES (EXCEPT AS NOTED)ARE REFERENCED FROM 100.00 METERS FWD OF THE MID PERPENDICULAR,THE CENTER LINE, AND THE KEEL .

1. LENGTH BETWEEN PERPENDICULARS 200.00 METERS 13. MOMENT TO ALTER TRIM ONE CENTIMETER 588.63 TONS-METERS

2. BOTTOM OF THE KEEL BELOW BASELINE 0.03 METERS 14. L.C.B. ON EVEN KEEL AT ABV. DRAFT 100.82 METERS AFT

3. C.G. ABOVE BOTTOM OF KEEL 11.25 METERS 15. LONGITUDINAL CENTER OF GRAVITY 99.60 METERS AFT

4. C.G. ABOVE BASELINE 11.22 METERS 16. TRIMMING LEVER 1.22 METERS FWD

5. DRAFT AT L.C.F. FOR ABOVE DISPL. 7.14 METERS 17. TRIM 0.55 METERS BY HEAD

6. TONS PER CENTIMETER IMMERSION 49.11 TONS / CM 18. L.C.F. 113.47 METERS AFT

7. TRANSVERSE METACENTER (KEEL) 15.43 METERS 19. DIFF. IN DRAFT, L.C.F. TO MIDSHIP 0.04 METERS INCREASE

8. GM, WITHOUT FREE SURFACE CORR. 4.18 METERS 20. DRAFTS :

9. FREE SURFACE CORRECTION 0.14 METERS FORWARD PERPENDICULAR 7.46 METERS

10. GM, WITH FREE SURFACE CORRECTION 4.04 METERS MEAN 7.18 METERS

11. MOMENT TO ALTER HEEL ONE DEGREE 1,865.17 TON-METERS AFT PERPENDICULAR 6.91 METERS

12. LIST 0.28 DEGREES PORT 21. DESIGNED DRAG 0.00 METERS

UNCLASSIFIED

UNCLASSIFIED REPORT NO. 29

1-DIGIT WEIGHT AND MOMENT ESTIMATE

SHIP: LPD-26 11 / 22 / 2013

VARIANT ID: BASE LINE SI UNITS - KILOGRAMS, TONS, METERS, TON-METERS

PREPARED BY: HII LONGITUDINAL REFERENCE IS - 100.00 M FROM MID PERPENDICULAR PAGE 2M

NAVY BUDGET PERCENT COMPLETE CURRENT VERTICAL LONGITUDINAL TRANSVERSE

GROUP

DESCRIPTION WEIGHT EST CALC ACT WEIGHT VCG MOMENT LCG MOMENT TCG MOMENT

1 HULL STRUCTURE 11,882.44 2 97 1 12,111.43 12.15 147,194 101.24A 1,226,125 0.03P 365

2 PROPULSION 1,069.24 6 39 55 1,074.30 4.78 5,132 107.37A 115,345 0.02P 18

3 ELECTRIC PLANT 923.94 4 62 34 936.70 11.49 10,767 87.70A 82,150 0.81P 763

4 COMMAND AND SURVEILLANCE 488.61 5 85 10 520.51 17.17 8,935 88.25A 45,936 0.10S - 55

5 AUXILIARY SYSTEMS 2,454.00 8 67 25 2,591.43 14.00 36,284 93.13A 241,343 0.04S - 108

6 OUTFIT AND FURNISHINGS 1,547.61 4 74 22 1,702.47 15.66 26,652 88.76A 151,116 0.19P 317

7 ARMAMENT 231.00 8 92 0 237.36 13.59 3,225 88.11A 20,913 1.20S - 284

GROUPS 1 -7 18,596.85 4 85 11 19,174.19 12.42 238,189 98.20A 1,882,927 0.05P 1,016

C CAPACITY LOAD 7,189.93 0 100 0 7,154.66 8.15 58,342 103.20A 738,331 0.10S - 711

M MARGINS 45.91 100 0 0 145.19 4.11 597 106.43A 15,453 1.49P 216

X CON.MOD.REMOVED 0.00 100 0 0 87.73 6.28 551 105.95A 9,295 5.84S - 512

SUMMARY CAPACITY LOAD 25,832.69 3 89 8 26,561.76 11.21 297,678 99.62A 2,646,006 0.00P 9

CONDITION WITH MARGINS EXCLUDING

CONTRACT MOD’S & GFE GROWTH

NOTE : ALL OF THE FOLLOWING QUANTITIES (EXCEPT AS NOTED)ARE REFERENCED FROM 100.00 METERS FWD OF THE MID PERPENDICULAR,THE CENTER LINE, AND THE KEEL .

1. LENGTH BETWEEN PERPENDICULARS 200.00 METERS 13. MOMENT TO ALTER TRIM ONE CENTIMETER 589.96 TONS-METERS

2. BOTTOM OF THE KEEL BELOW BASELINE 0.03 METERS 14. L.C.B. ON EVEN KEEL AT ABV. DRAFT 100.86 METERS AFT

3. C.G. ABOVE BOTTOM OF KEEL 11.24 METERS 15. LONGITUDINAL CENTER OF GRAVITY 99.62 METERS AFT

4. C.G. ABOVE BASELINE 11.21 METERS 16. TRIMMING LEVER 1.24 METERS FWD

5. DRAFT AT L.C.F. FOR ABOVE DISPL. 7.15 METERS 17. TRIM 0.56 METERS BY HEAD

6. TONS PER CENTIMETER IMMERSION 49.16 TONS / CM 18. L.C.F. 113.52 METERS AFT

7. TRANSVERSE METACENTER (KEEL) 15.42 METERS 19. DIFF. IN DRAFT, L.C.F. TO MIDSHIP 0.04 METERS INCREASE

8. GM, WITHOUT FREE SURFACE CORR. 4.18 METERS 20. DRAFTS :

9. FREE SURFACE CORRECTION 0.14 METERS FORWARD PERPENDICULAR 7.47 METERS

10. GM, WITH FREE SURFACE CORRECTION 4.04 METERS MEAN 7.19 METERS

11. MOMENT TO ALTER HEEL ONE DEGREE 1,874.29 TON-METERS AFT PERPENDICULAR 6.91 METERS

12. LIST 0.01 DEGREES PORT 21. DESIGNED DRAG 0.00 METERS

UNCLASSIFIED

UNCLASSIFIED REPORT NO. 29

1-DIGIT WEIGHT AND MOMENT ESTIMATE

SHIP: LPD-26 11 / 22 / 2014

VARIANT ID: BASE LINE SI UNITS - KILOGRAMS, TONS, METERS, TON-METERS

PREPARED BY: HII LONGITUDINAL REFERENCE IS - 100.00 M FROM MID PERPENDICULAR PAGE 3

NAVY BUDGET PERCENT COMPLETE CURRENT VERTICAL LONGITUDINAL TRANSVERSE

GROUP

DESCRIPTION WEIGHT EST CALC ACT WEIGHT VCG MOMENT LCG MOMENT TCG MOMENT

1 HULL STRUCTURE 11,882.44 2 97 1 12,111.43 12.15 147,194 101.24A 1,226,125 0.03P 365

2 PROPULSION 1,069.24 6 39 55 1,074.30 4.78 5,132 107.37A 115,345 0.02P 18

3 ELECTRIC PLANT 923.94 4 62 34 936.70 11.49 10,767 87.70A 82,150 0.81P 763

4 COMMAND AND SURVEILLANCE 488.61 5 85 10 520.51 17.17 8,935 88.25A 45,936 0.10S - 55

5 AUXILIARY SYSTEMS 2,454.00 8 67 25 2,591.43 14.00 36,284 93.13A 241,343 0.04S - 108

6 OUTFIT AND FURNISHINGS 1,547.61 4 74 22 1,702.47 15.66 26,652 88.76A 151,116 0.19P 317

7 ARMAMENT 231.00 8 92 0 237.36 13.59 3,225 88.11A 20,913 1.20S - 284

GROUPS 1 -7 18,596.85 4 85 11 19,174.19 12.42 238,189 98.20A 1,882,927 0.05P 1,016

B MIN. OPER. LOAD 3,211.24 0 100 0 3,213.19 4.60 14,795 100.92A 324,276 0.25S - 793

M MARGINS 45.91 100 0 0 145.19 4.11 597 106.43A 15,453 1.49P 216

SUMMARY MIN. OPER. LOAD 21,854.00 4 87 9 22,532.57 11.25 253,581 98.64A 2,222,656 0.02P 440

CONDITION WITH MARGINS INCLUDING

CONTRACT MOD’S & GFE GROWTH

NOTE : ALL OF THE FOLLOWING QUANTITIES (EXCEPT AS NOTED)ARE REFERENCED FROM 100.00 METERS FWD OF THE MID PERPENDICULAR,THE CENTER LINE, AND THE KEEL .

1. LENGTH BETWEEN PERPENDICULARS 200.00 METERS 13. MOMENT TO ALTER TRIM ONE CENTIMETER 534.79 TONS-METERS

2. BOTTOM OF THE KEEL BELOW BASELINE 0.03 METERS 14. L.C.B. ON EVEN KEEL AT ABV. DRAFT 98.68 METERS AFT

3. C.G. ABOVE BOTTOM OF KEEL 11.28 METERS 15. LONGITUDINAL CENTER OF GRAVITY 98.64 METERS AFT

4. C.G. ABOVE BASELINE 11.25 METERS 16. TRIMMING LEVER 0.04 METERS FWD

5. DRAFT AT L.C.F. FOR ABOVE DISPL. 6.32 METERS 17. TRIM 0.02 METERS BY HEAD

6. TONS PER CENTIMETER IMMERSION 47.25 TONS / CM 18. L.C.F. 111.59 METERS AFT

7. TRANSVERSE METACENTER (KEEL) 15.93 METERS 19. DIFF. IN DRAFT, L.C.F. TO MIDSHIP 0.00 METERS

8. GM, WITHOUT FREE SURFACE CORR. 4.65 METERS 20. DRAFTS :

9. FREE SURFACE CORRECTION 0.17 METERS FORWARD PERPENDICULAR 6.33 METERS

10. GM, WITH FREE SURFACE CORRECTION 4.48 METERS MEAN 6.32 METERS

11. MOMENT TO ALTER HEEL ONE DEGREE 1,760.28 TON-METERS AFT PERPENDICULAR 6.31 METERS

12. LIST 0.25 DEGREES PORT 21. DESIGNED DRAG 0.00 METERS

UNCLASSIFIED

UNCLASSIFIED REPORT NO. 29

1-DIGIT WEIGHT AND MOMENT ESTIMATE

SHIP: LPD-26 11 / 22 / 2013

VARIANT ID: BASE LINE SI UNITS - KILOGRAMS, TONS, METERS, TON-METERS

PREPARED BY: HII LONGITUDINAL REFERENCE IS - 100.00 M FROM MID PERPENDICULAR PAGE 3M

NAVY BUDGET PERCENT COMPLETE CURRENT VERTICAL LONGITUDINAL TRANSVERSE

GROUP

DESCRIPTION WEIGHT EST CALC ACT WEIGHT VCG MOMENT LCG MOMENT TCG MOMENT

1 HULL STRUCTURE 11,882.44 2 97 1 12,111.43 12.15 147,194 101.24A 1,226,125 0.03P 365

2 PROPULSION 1,069.24 6 39 55 1,074.30 4.78 5,132 107.37A 115,345 0.02P 18

3 ELECTRIC PLANT 923.94 4 62 34 936.70 11.49 10,767 87.70A 82,150 0.81P 763

4 COMMAND AND SURVEILLANCE 488.61 5 85 10 520.51 17.17 8,935 88.25A 45,936 0.10S - 55

5 AUXILIARY SYSTEMS 2,454.00 8 67 25 2,591.43 14.00 36,284 93.13A 241,343 0.04S - 108

6 OUTFIT AND FURNISHINGS 1,547.61 4 74 22 1,702.47 15.66 26,652 88.76A 151,116 0.19P 317

7 ARMAMENT 231.00 8 92 0 237.36 13.59 3,225 88.11A 20,913 1.20S - 284

GROUPS 1 -7 18,596.85 4 85 11 19,174.19 12.42 238,189 98.20A 1,882,927 0.05P 1,016

B MIN. OPER. LOAD 3,211.24 0 100 0 3,213.19 4.60 14,795 100.92A 324,276 0.25S - 793

M MARGINS 45.91 100 0 0 145.19 4.11 597 106.43A 15,453 1.49P 216

X CON.MOD.REMOVED 0.00 100 0 0 87.73 6.28 551 105.95A 9,295 5.84S - 512

SUMMARY MIN. OPER. LOAD 21,854.00 4 87 9 22,620.30 11.23 254,132 98.67A 2,231,951 0.00S - 73

CONDITION WITH MARGINS EXCLUDING

CONTRACT MOD’S & GFE GROWTH

NOTE : ALL OF THE FOLLOWING QUANTITIES (EXCEPT AS NOTED)ARE REFERENCED FROM 100.00 METERS FWD OF THE MID PERPENDICULAR,THE CENTER LINE, AND THE KEEL .

1. LENGTH BETWEEN PERPENDICULARS 200.00 METERS 13. MOMENT TO ALTER TRIM ONE CENTIMETER 537.69 TONS-METERS

2. BOTTOM OF THE KEEL BELOW BASELINE 0.03 METERS 14. L.C.B. ON EVEN KEEL AT ABV. DRAFT 98.73 METERS AFT

3. C.G. ABOVE BOTTOM OF KEEL 11.26 METERS 15. LONGITUDINAL CENTER OF GRAVITY 98.67 METERS AFT

4. C.G. ABOVE BASELINE 11.23 METERS 16. TRIMMING LEVER 0.06 METERS FWD

5. DRAFT AT L.C.F. FOR ABOVE DISPL. 6.34 METERS 17. TRIM 0.03 METERS BY HEAD

6. TONS PER CENTIMETER IMMERSION 47.31 TONS / CM 18. L.C.F. 111.66 METERS AFT

7. TRANSVERSE METACENTER (KEEL) 15.92 METERS 19. DIFF. IN DRAFT, L.C.F. TO MIDSHIP 0.00 METERS

8. GM, WITHOUT FREE SURFACE CORR. 4.66 METERS 20. DRAFTS :

9. FREE SURFACE CORRECTION 0.17 METERS FORWARD PERPENDICULAR 6.35 METERS

10. GM, WITH FREE SURFACE CORRECTION 4.49 METERS MEAN 6.34 METERS

11. MOMENT TO ALTER HEEL ONE DEGREE 1,770.80 TON-METERS AFT PERPENDICULAR 6.32 METERS

12. LIST 0.04 DEGREES STBD 21. DESIGNED DRAG 0.00 METERS

UNCLASSIFIED

UNCLASSIFIED REPORT NO. 29

1-DIGIT WEIGHT AND MOMENT ESTIMATE

SHIP: LPD-26 11 / 22 / 2013

VARIANT ID: BASE LINE SI UNITS - KILOGRAMS, TONS, METERS, TON-METERS

PREPARED BY: HII LONGITUDINAL REFERENCE IS - 100.00 M FROM MID PERPENDICULAR PAGE 3M1

NAVY BUDGET PERCENT COMPLETE CURRENT VERTICAL LONGITUDINAL TRANSVERSE

GROUP

DESCRIPTION WEIGHT EST CALC ACT WEIGHT VCG MOMENT LCG MOMENT TCG MOMENT

1 HULL STRUCTURE 11,882.44 2 97 1 12,111.43 12.15 147,194 101.24A 1,226,125 0.03P 365

2 PROPULSION 1,069.24 6 39 55 1,074.30 4.78 5,132 107.37A 115,345 0.02P 18

3 ELECTRIC PLANT 923.94 4 62 34 936.70 11.49 10,767 87.70A 82,150 0.81P 763

4 COMMAND AND SURVEILLANCE 488.61 5 85 10 520.51 17.17 8,935 88.25A 45,936 0.10S - 55

5 AUXILIARY SYSTEMS 2,454.00 8 67 25 2,591.43 14.00 36,284 93.13A 241,343 0.04S - 108

6 OUTFIT AND FURNISHINGS 1,547.61 4 74 22 1,702.47 15.66 26,652 88.76A 151,116 0.19P 317

7 ARMAMENT 231.00 8 92 0 237.36 13.59 3,225 88.11A 20,913 1.20S - 284

GROUPS 1 -7 18,596.85 4 85 11 19,174.19 12.42 238,189 98.20A 1,882,927 0.05P 1,016

M MARGINS 45.91 100 0 0 145.19 4.11 597 106.43A 15,453 1.49P 216

SUMMARY LIGHT SHIP 18,642.76 4 85 11 19,319.38 12.36 238,785 98.26A 1,898,380 0.06P 1,233

CONDITION WITH MARGIN

NOTE : ALL OF THE FOLLOWING QUANTITIES (EXCEPT AS NOTED)ARE REFERENCED FROM 100.00 METERS FWD OF THE MID PERPENDICULAR,THE CENTER LINE, AND THE KEEL .

1. LENGTH BETWEEN PERPENDICULARS 200.00 METERS 13. MOMENT TO ALTER TRIM ONE CENTIMETER 448.38 TONS-METERS

2. BOTTOM OF THE KEEL BELOW BASELINE 0.03 METERS 14. L.C.B. ON EVEN KEEL AT ABV. DRAFT 96.90 METERS AFT

3. C.G. ABOVE BOTTOM OF KEEL 12.39 METERS 15. LONGITUDINAL CENTER OF GRAVITY 98.26 METERS AFT

4. C.G. ABOVE BASELINE 12.36 METERS 16. TRIMMING LEVER 1.36 METERS AFT

5. DRAFT AT L.C.F. FOR ABOVE DISPL. 5.62 METERS 17. TRIM 0.59 METERS BY STERN

6. TONS PER CENTIMETER IMMERSION 43.95 TONS / CM 18. L.C.F. 106.45 METERS AFT

7. TRANSVERSE METACENTER (KEEL) 16.17 METERS 19. DIFF. IN DRAFT, L.C.F. TO MIDSHIP 0.02 METERS DECREASE

8. GM, WITHOUT FREE SURFACE CORR. 3.78 METERS 20. DRAFTS :

9. FREE SURFACE CORRECTION 0.00 METERS FORWARD PERPENDICULAR 5.31 METERS

10. GM, WITH FREE SURFACE CORRECTION 3.78 METERS MEAN 5.60 METERS

11. MOMENT TO ALTER HEEL ONE DEGREE 1,274.60 TON-METERS AFT PERPENDICULAR 5.90 METERS

12. LIST 0.97 DEGREES PORT 21. DESIGNED DRAG 0.00 METERS

UNCLASSIFIED

UNCLASSIFIED REPORT NO. 29

3-DIGIT WEIGHT AND MOMENT ESTIMATE

SHIP: LPD-26 11 / 22 / 2013

VARIANT ID: BASE LINE SI UNITS - KILOGRAMS, TONS, METERS, TON-METERS

PREPARED BY: HII LONGITUDINAL REFERENCE IS - 100.00 M FROM MID PERPENDICULAR PAGE 3MS

NAVY BUDGET PERCENT COMPLETE CURRENT VERTICAL LONGITUDINAL TRANSVERSE

GROUP

DESCRIPTION WEIGHT EST CALC ACT WEIGHT VCG MOMENT LCG MOMENT TCG MOMENT

M11 DESIGN & BUILDING MARGIN 45.91 100 0 0 145.19 4.11 597 106.43A 15,453 1.49P 216

M MARGINS 45.91 100 0 0 145.19 4.11 597 106.43A 15,453 1.49P 216

UNCLASSIFIED

UNCLASSIFIED REPORT NO. 29

1-DIGIT WEIGHT AND MOMENT ESTIMATE

SHIP: LPD-26 11 / 22 / 2013

VARIANT ID: BASE LINE SI UNITS - KILOGRAMS, TONS, METERS, TON-METERS

PREPARED BY: HII LONGITUDINAL REFERENCE IS - 100.00 M FROM MID PERPENDICULAR PAGE 4

NAVY BUDGET PERCENT COMPLETE CURRENT VERTICAL LONGITUDINAL TRANSVERSE

GROUP

DESCRIPTION WEIGHT EST CALC ACT WEIGHT VCG MOMENT LCG MOMENT TCG MOMENT

1 HULL STRUCTURE 11,882.44 2 97 1 12,111.43 12.15 147,194 101.24A 1,226,125 0.03P 365

2 PROPULSION 1,069.24 6 39 55 1,074.30 4.78 5,132 107.37A 115,345 0.02P 18

3 ELECTRIC PLANT 923.94 4 62 34 936.70 11.49 10,767 87.70A 82,150 0.81P 763

4 COMMAND AND SURVEILLANCE 488.61 5 85 10 520.51 17.17 8,935 88.25A 45,936 0.10S - 55

5 AUXILIARY SYSTEMS 2,454.00 8 67 25 2,591.43 14.00 36,284 93.13A 241,343 0.04S - 108

6 OUTFIT AND FURNISHINGS 1,547.61 4 74 22 1,702.47 15.66 26,652 88.76A 151,116 0.19P 317

7 ARMAMENT 231.00 8 92 0 237.36 13.59 3,225 88.11A 20,913 1.20S - 284

GROUPS 1 -7 18,596.85 4 85 11 19,174.19 12.42 238,189 98.20A 1,882,927 0.05P 1,016

SUMMARY LIGHT SHIP 18,596.85 4 85 11 19,174.19 12.42 238,189 98.20A 1,882,927 0.05P 1,016

CONDITION WITHOUT MARGIN

NOTE : ALL OF THE FOLLOWING QUANTITIES (EXCEPT AS NOTED)ARE REFERENCED FROM 100.00 METERS FWD OF THE MID PERPENDICULAR,THE CENTER LINE, AND THE KEEL .

1. LENGTH BETWEEN PERPENDICULARS 200.00 METERS 13. MOMENT TO ALTER TRIM ONE CENTIMETER 445.34 TONS-METERS

2. BOTTOM OF THE KEEL BELOW BASELINE 0.03 METERS 14. L.C.B. ON EVEN KEEL AT ABV. DRAFT 96.83 METERS AFT

3. C.G. ABOVE BOTTOM OF KEEL 12.45 METERS 15. LONGITUDINAL CENTER OF GRAVITY 98.20 METERS AFT

4. C.G. ABOVE BASELINE 12.42 METERS 16. TRIMMING LEVER 1.37 METERS AFT

5. DRAFT AT L.C.F. FOR ABOVE DISPL. 5.59 METERS 17. TRIM 0.59 METERS BY STERN

6. TONS PER CENTIMETER IMMERSION 43.82 TONS / CM 18. L.C.F. 106.24 METERS AFT

7. TRANSVERSE METACENTER (KEEL) 16.19 METERS 19. DIFF. IN DRAFT, L.C.F. TO MIDSHIP 0.02 METERS DECREASE

8. GM, WITHOUT FREE SURFACE CORR. 3.74 METERS 20. DRAFTS :

9. FREE SURFACE CORRECTION 0.00 METERS FORWARD PERPENDICULAR 5.28 METERS

10. GM, WITH FREE SURFACE CORRECTION 3.74 METERS MEAN 5.57 METERS

11. MOMENT TO ALTER HEEL ONE DEGREE 1,250.81 TON-METERS AFT PERPENDICULAR 5.87 METERS

12. LIST 0.81 DEGREES PORT 21. DESIGNED DRAG 0.00 METERS

UNCLASSIFIED

UNCLASSIFIED REPORT NO. 29

3-DIGIT WEIGHT AND MOMENT ESTIMATE

SHIP: LPD-26 11 / 22 / 2013

VARIANT ID: BASE LINE SI UNITS - KILOGRAMS, TONS, METERS, TON-METERS

PREPARED BY: HII LONGITUDINAL REFERENCE IS - 100.00 M FROM MID PERPENDICULAR PAGE 5

NAVY BUDGET PERCENT COMPLETE CURRENT VERTICAL LONGITUDINAL TRANSVERSE

GROUP

DESCRIPTION WEIGHT EST CALC ACT WEIGHT VCG MOMENT LCG MOMENT TCG MOMENT

100 HULL STRUCTURE, GENERAL

111 SHELL PLTG, SURF.SHIP & SUBM.PRESS.HULL 1,722.01 2 98 0 1,726.80 6.96 12,018 101.64A 175,513 0.00S - 1

113 INNER BOTTOM 353.57 2 98 0 354.27 1.23 435 90.10A 31,919 0.02P 6

114 SHELL APPENDAGES 102.63 7 93 0 102.80 1.49 153 140.54A 14,447 0.03P 4

115 STANCHIONS 51.00 3 97 0 50.74 7.62 387 105.03A 5,330 0.59S - 30

116 LONG.FRAMING, SURF.SHIP & SUB.PRESS.HULL 663.60 2 98 0 662.63 3.89 2,577 105.25A 69,740 0.08S - 54

117 TRANS.FRAMING SURF.SHIP & SUB.PRESS.HULL 524.55 2 98 0 521.90 6.02 3,140 97.77A 51,024 0.16S - 84

121 LONGITUDINAL STRUCTURAL BULKHEADS 966.15 2 98 0 971.36 10.12 9,829 116.32A 112,988 0.04S - 38

122 TRANSVERSE STRUCTURAL BULKHEADS 730.70 2 98 0 728.24 8.57 6,243 108.52A 79,027 0.19S - 140

123 TRUNKS AND ENCLOSURES 715.00 2 98 0 728.79 12.07 8,795 97.39A 70,975 0.87P 634

131 MAIN DECK 990.77 2 98 0 996.41 18.86 18,795 115.00A 114,589 0.17S - 172

132 2ND DECK 436.60 2 98 0 437.46 15.78 6,903 93.26A 40,797 0.09S - 37

133 3RD DECK 293.96 2 98 0 303.69 13.51 4,103 106.45A 32,328 0.19S - 58

136 01 HULL DECK 463.00 2 98 0 463.43 21.52 9,973 80.24A 37,185 0.24P 110

141 1ST PLATFORM 546.22 2 98 0 544.19 10.65 5,795 98.56A 53,633 0.00S - 2

142 2ND PLATFORM 607.80 3 97 0 608.69 7.68 4,672 113.62A 69,156 0.14P 87

143 3RD PLATFORM 240.87 2 98 0 240.73 4.50 1,082 86.14A 20,738 0.30P 71

149 FLATS 103.02 2 98 0 103.06 5.08 523 100.14A 10,321 0.16P 17

151 DECKHOUSE TO FIRST LEVEL 187.27 2 98 0 195.74 22.95 4,493 84.49A 16,537 0.43P 85

152 1ST DECKHOUSE LEVEL 318.83 2 98 0 341.38 24.85 8,483 78.66A 26,854 1.12S - 383

153 2ND DECKHOUSE LEVEL 276.30 2 98 0 290.97 27.44 7,984 84.21A 24,503 0.17S - 51

154 3RD DECKHOUSE LEVEL 159.74 2 98 0 185.63 30.04 5,577 70.11A 13,015 1.35P 250

155 4TH DECKHOUSE LEVEL 43.98 2 98 0 57.81 32.80 1,896 49.07A 2,836 0.11P 6

156 5TH DECKHOUSE LEVEL 7.89 4 96 0 8.06 35.64 287 50.12A 404 0.01S 0

161 STRUC.CASTNGS, FORGINGS & EQVL.WELDMENTS 218.14 0 100 0 236.22 7.02 1,658 127.82A 30,193 0.04S - 10

162 STACKS AND MACKS (COMBINED STACK & MAST) 23.39 2 98 0 30.04 32.54 978 94.93A 2,852 0.13S - 4

163 SEA CHESTS

164 BALLISTIC PLATING 303.54 5 95 0 310.89 22.36 6,951 77.99A 24,247 0.19S - 59

167 HULL STRUCTURAL CLOSURES 80.92 0 100 0 85.31 13.95 1,190 104.74A 8,936 0.04P 3

168 DECKHOUSE STRUCTURAL CLOSURES 29.76 - 3 103 0 28.99 26.61 771 74.83A 2,169 0.99S - 29

169 SPECIAL PURPOSE CLOSURES AND STRUCTURES 224.52 - 3 47 55 218.82 14.39 3,149 148.20A 32,428 1.57P 344

171 MASTS, TOWERS, TETRAPODS 54.99 0 66 34 55.05 38.41 2,114 88.50A 4,872 0.00P 0

179 SERVICE PLATFORMS 5.71 1 99 0 5.62 18.47 104 123.19A 693 6.23S - 35

182 PROPULSION PLANT FOUNDATIONS 134.87 3 97 0 137.84 1.85 254 96.78A 13,341 0.27S - 38

183 ELECTRIC PLANT FOUNDATIONS 85.94 1 99 0 123.51 11.31 1,397 84.62A 10,451 0.18P 22

184 COMMAND AND SURVEILLANCE FOUNDATIONS 61.02 8 92 0 85.87 25.01 2,148 76.61A 6,578 1.05S - 90

185 AUXILIARY SYSTEMS FOUNDATIONS 139.05 - 3 103 0 152.43 13.03 1,986 92.18A 14,051 0.31P 47

186 OUTFIT AND FURNISHINGS FOUNDATIONS 5.52 - 15 115 0 6.07 17.62 107 89.69A 545 2.38S - 14

187 ARMAMENT FOUNDATIONS 9.10 4 96 0 9.49 24.71 234 89.45A 849 0.57P 5

198 FREE FLOODING LIQUIDS 0.50 0 0 100 0.50 18.31 9 128.08A 63 3.33P 2

1 HULL STRUCTURE 11,882.44 2 97 1 12,111.43 12.15 147,194 101.24A 1,226,125 0.03P 365

UNCLASSIFIED

UNCLASSIFIED REPORT NO. 29

3-DIGIT WEIGHT AND MOMENT ESTIMATE

SHIP: LPD-26 11 / 22 / 2013

VARIANT ID: BASE LINE SI UNITS - KILOGRAMS, TONS, METERS, TON-METERS

PREPARED BY: HII LONGITUDINAL REFERENCE IS - 100.00 M FROM MID PERPENDICULAR PAGE 6

NAVY BUDGET PERCENT COMPLETE CURRENT VERTICAL LONGITUDINAL TRANSVERSE

GROUP

DESCRIPTION WEIGHT EST CALC ACT WEIGHT VCG MOMENT LCG MOMENT TCG MOMENT

200 PROPULSION PLANT, GENERAL

233 PROPULSION INTERNAL COMBUSTION ENGINES 361.00 0 4 96 361.00 3.55 1,281 94.43A 34,089 0.01P 3

241 PROPULSION REDUCTION GEARS 108.49 0 2 98 108.49 2.76 299 99.55A 10,800 0.00S 0

242 PROPULSION CLUTCHES & COUPLNGS 16.57 0 49 51 16.57 2.75 46 97.85A 1,622 0.00S 0

243 PROPULSION SHAFTING 145.10 0 100 0 145.10 2.54 369 148.01A 21,476 0.90S - 130

244 PROPULSION SHAFT BEARINGS 32.97 0 45 55 32.97 2.50 83 141.63A 4,670 1.33S - 44

245 PROPULSORS 51.91 0 68 32 51.91 2.68 139 154.56A 8,023 0.15S - 8

251 COMBUSTION AIR SYSTEM 28.75 - 2 102 0 28.17 12.36 348 99.00A 2,789 1.16P 33

252 PROPULSION CONTROL SYSTEM 7.10 1 99 0 13.81 4.74 65 96.78A 1,337 1.04P 14

256 CIRCULATING AND COOLING SEA WATER SYSTEM 34.55 4 86 10 36.85 4.71 173 90.06A 3,319 1.11P 41

259 UPTAKES (INNER CASING) 70.93 - 7 77 30 66.27 15.39 1,020 99.33A 6,582 1.71P 114

261 FUEL SERVICE SYSTEM 5.29 0 83 17 5.25 2.99 16 94.35A 495 2.08P 11

262 MAIN PROPULSION LUBE OIL SYSTEM 43.64 3 30 67 45.08 3.25 147 92.19A 4,156 0.54P 25

264 LUBE OIL FILL, TRANSFER AND PURIFICATION 9.39 7 93 0 9.27 5.78 54 98.37A 912 0.43P 4

298 PROPULSION PLANT OPERATING FLUID 88.34 0 50 50 88.34 2.73 241 107.80A 9,523 0.23P 20

299 PROPULSION PLNT.REPAIR PARTS & SPC.TOOLS 65.20 100 0 0 65.20 13.06 851 85.13A 5,551 1.00S - 66

2 PROPULSION 1,069.24 6 39 55 1,074.30 4.78 5,132 107.37A 115,345 0.02P 18

UNCLASSIFIED

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3-DIGIT WEIGHT AND MOMENT ESTIMATE

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NAVY BUDGET PERCENT COMPLETE CURRENT VERTICAL LONGITUDINAL TRANSVERSE

GROUP

DESCRIPTION WEIGHT EST CALC ACT WEIGHT VCG MOMENT LCG MOMENT TCG MOMENT

300 ELECTRIC PLANT, GENERAL 311 SHIP SERVICE POWER GENERATION 297.51 0 0 100 243.90 2.71 662 87.96A 21,453 0.45P 110

313 BATTERIES & SERVICE FACILITIES 7.21 76 15 9 7.20 20.06 145 113.80A 820 9.37S - 68

314 POWER CONVERSION EQUIPMENT 45.16 0 100 0 49.12 18.48 908 81.02A 3,980 0.46P 23

321 SHIP SERVICE POWER CABLE 255.84 0 100 0 286.41 13.66 3,912 88.32A 25,297 1.13P 323

322 EMERGENCY POWER CABLE SYSTEM 0.00 100 0 0 - 0.49 8.72 - 4 42.15A - 20 2.07P - 1

324 SWITCHGEAR AND PANELS 100.54 2 62 37 101.35 13.55 1,373 86.60A 8,777 1.10P 111

331 LIGHTING DISTRIBUTION 59.35 4 91 5 86.98 18.61 1,619 86.69A 7,540 0.07P 6

332 LIGHTING FIXTURES 38.97 24 76 0 39.49 18.08 714 87.60A 3,459 0.22S - 9

342 DIESEL SUPPORT SYSTEMS 86.64 6 77 17 90.01 13.93 1,254 88.13A 7,932 2.88P 259

398 ELECTRIC PLANT OPERATING FLUIDS 17.73 2 19 79 17.73 2.85 50 88.15A 1,562 0.41P 7

399 ELECTRIC PLNT.REPAIR PARTS AND SPC.TOOLS 15.00 100 0 0 15.00 9.00 135 90.00A 1,350 0.00S 0

3 ELECTRIC PLANT 923.94 4 62 34 936.70 11.49 10,767 87.70A 82,150 0.81P 763

UNCLASSIFIED

UNCLASSIFIED REPORT NO. 29

3-DIGIT WEIGHT AND MOMENT ESTIMATE

SHIP: LPD-26 11 / 22 / 2013

VARIANT ID: BASE LINE SI UNITS - KILOGRAMS, TONS, METERS, TON-METERS

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NAVY BUDGET PERCENT COMPLETE CURRENT VERTICAL LONGITUDINAL TRANSVERSE

GROUP

DESCRIPTION WEIGHT EST CALC ACT WEIGHT VCG MOMENT LCG MOMENT TCG MOMENT

400 COMMAND AND SURVEILLANCE, GENERAL

411 DATA DISPLAY GROUP 6.64 54 46 0 2.95 25.38 75 59.90A 177 1.39S - 4

412 DATA PROCESSING GROUP 12.53 9 91 0 13.32 26.78 357 44.17A 589 1.73S - 23

413 DIGITAL DATA SWITCHBOARDS 1.18 - 61 159 2 0.75 29.09 22 57.48A 43 0.11S 0

415 DIGITAL DATA COMMUNICATIONS 56.16 2 96 2 59.24 18.97 1,124 83.92A 4,972 0.64P 38

416 DATA LINK PROCESSING 1.37 - 3 92 11 1.32 26.74 35 44.26A 58 1.99S - 3

421 NON-ELECTRICAL/ELECTRONIC NAVIG.AIDS 0.28 0 100 0 0.28 30.80 9 56.25A 16 0.00S 0

422 ELECTRICAL NAVIG.AIDS (INCL.NAVIG.LIGHTS 0.17 0 100 0 0.17 32.64 6 47.34A 8 0.16S 0

423 ELECTRONIC NAVIGATION SYSTEMS, RADIO 2.96 8 92 0 3.52 20.37 72 84.10A 296 0.27S - 1

424 ELECTRONIC NAVIG.SYSTEMS, ACOUSTICAL 0.56 - 6 106 0 0.52 15.72 8 43.86A 23 0.13P 0

426 ELECTRICAL NAVIGATION SYSTEMS 4.17 8 66 25 4.90 24.66 121 69.55A 341 0.96S - 5

431 SWITCHBOARDS FOR I.C. SYSTEMS 0.11 0 100 0 0.11 13.76 1 93.16A 10 3.09S 0

432 TELEPHONE SYSTEMS 65.04 - 2 102 0 73.06 16.96 1,239 85.11A 6,217 0.15S - 11

433 ANNOUNCING SYSTEMS 10.95 16 82 2 7.30 17.86 130 76.47A 558 0.26S - 2

434 ENTERTAINMENT AND TRAINING SYSTEMS 12.82 4 53 42 15.29 19.50 298 71.53A 1,094 4.09S - 63

436 ALARM, SAFETY, AND WARNING SYSTEMS 8.76 0 84 17 13.96 18.09 253 71.09A 993 0.19S - 3

437 INDICATING, ORDER, AND METERING SYSTEMS 6.83 0 98 3 9.66 16.97 164 96.47A 932 0.02P 0

438 INTEGRATED CONTROL SYSTEMS 21.04 - 5 94 10 19.59 16.71 327 84.88A 1,663 0.89P 17

441 RADIO SYSTEMS 48.35 29 71 0 53.76 26.96 1,450 57.74A 3,104 1.52P 82

443 VISUAL AND AUDIBLE SYSTEMS 0.53 100 0 0 0.41 34.42 14 47.45A 20 1.07P 0

451 SURFACE SEARCH RADAR 0.13 100 0 0 0.13 29.31 4 123.26A 16 0.38S 0

452 AIR SEARCH RADAR (2D) 2.24 9 90 1 2.47 34.41 85 52.53A 130 1.88S - 5

453 AIR SEARCH RADAR (3D) 16.16 - 10 107 3 15.31 30.61 469 102.56A 1,570 0.02P 0

455 IDENTIFICATION SYSTEMS 1.66 - 5 105 0 1.73 33.15 57 54.93A 95 1.45S - 3

458 COOPERATIVE ENGAGEMENT 1.75 - 188 268 20 0.61 38.25 23 112.04A 68 1.37P 1

471 ACTIVE ECM (INCL.COMBINATN.ACT./PASSIVE) 2.01 3 95 2 3.61 26.38 95 40.87A 148 1.38P 5

472 PASSIVE ECM 0.02 0 0 100 0.00 0.00 0 0.00F 0 0.00S 0

473 TORPEDO DECOYS 3.97 1 13 86 4.05 14.42 58 192.87A 781 14.31S - 58

474 DECOYS (OTHER) 4.38 0 100 0 4.38 27.72 122 105.22A 461 0.05P 0

475 DEGAUSSING 175.24 0 88 12 185.99 9.55 1,776 108.50A 20,181 0.00S - 1

482 MISSLE FIRE CONTROL SYSTEMS 2.01 96 - 494 498 2.01 30.87 62 76.65A 154 4.88P 10

484 INTEGRATED FIRE CONTROL SYSTEMS

491 ELECTRON.TEST, CHECKOUT & MONITOR.SYSTEM 0.00 100 0 0 0.20 30.78 6 46.79A 9 6.47S - 1

493 NON COMBAT DATA PROCESSING SYSTEMS 11.09 8 87 5 12.39 21.57 267 55.67A 690 0.46S - 6

496 CRYPT CMBT SPRT SYS

499 COMMAND & SURV.REPAIR PARTS, SPECL.TOOLS 7.50 100 0 0 7.50 27.42 206 69.43A 521 2.90S - 22

4 COMMAND AND SURVEILLANCE 488.61 5 85 10 520.51 17.17 8,935 88.25A 45,936 0.10S - 55

UNCLASSIFIED

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3-DIGIT WEIGHT AND MOMENT ESTIMATE

SHIP: LPD-26 11 / 22 / 2013

VARIANT ID: BASE LINE SI UNITS - KILOGRAMS, TONS, METERS, TON-METERS

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NAVY BUDGET PERCENT COMPLETE CURRENT VERTICAL LONGITUDINAL TRANSVERSE

GROUP

DESCRIPTION WEIGHT EST CALC ACT WEIGHT VCG MOMENT LCG MOMENT TCG MOMENT

500 AUXILIARY SYSTEMS, GENERAL

511 COMPARTMENT HEATING SYSTEM 5.39 3 97 0 6.79 20.38 138 76.61A 520 0.49P 3

512 VENTILATION SYSTEM 301.47 4 87 9 299.54 19.27 5,773 93.35A 27,963 0.07S - 20

513 MACHINERY SPACE VENTILATION SYSTEM 48.20 - 9 90 19 43.67 8.94 390 90.14A 3,936 1.70P 74

514 AIR CONDITIONING SYSTEM 277.84 0 72 28 266.54 16.58 4,420 80.82A 21,541 0.12S - 33

516 REFRIGERATION SYSTEM 8.67 - 42 142 0 9.33 9.85 92 50.35A 470 0.69S - 6

521 FIREMAIN AND FLUSHING (SEA WATER) SYSTEM 108.35 30 62 8 159.17 12.61 2,006 91.42A 14,551 0.18S - 28

522 SPRINKLER SYSTEM 15.39 8 90 2 16.66 14.46 241 72.24A 1,204 0.62P 10

523 WASHDOWN SYSTEM 17.49 4 96 0 16.97 24.58 417 102.72A 1,743 0.21S - 4

524 AUXILIARY SEA WATER SYSTEM 44.31 29 56 15 63.42 4.34 275 90.00A 5,708 0.26S - 17

526 SCUPPERS AND DECK DRAINS 30.67 11 89 0 31.69 18.99 602 138.82A 4,399 0.03S - 1

528 PLUMBING DRAINAGE 90.83 15 85 0 93.49 14.21 1,329 86.21A 8,060 0.57P 53

529 DRAINAGE AND BALLASTING SYSTEM 114.11 11 89 0 130.57 9.11 1,189 118.83A 15,515 0.57S - 74

531 DISTILLING PLANT 17.92 0 98 2 17.97 5.37 96 85.60A 1,539 1.38P 25

532 COOLING WATER 3.77 16 50 34 4.89 18.73 92 98.35A 481 0.76S - 4

533 POTABLE WATER 55.00 0 75 25 59.28 16.47 976 81.54A 4,834 0.13S - 8

536 AUXILIARY FRESH WATER COOLING 31.79 0 14 86 31.79 4.92 156 89.37A 2,842 0.46S - 15

541 SHIP FUEL AND FUEL COMPENSATING SYSTEM 66.08 0 63 37 66.14 4.56 301 97.82A 6,470 0.36S - 24

542 AVIATION AND GENERAL PURPOSE FUELS 39.43 29 53 18 39.33 8.35 328 145.75A 5,732 1.18P 46

544 LIQUID CARGO

551 COMPRESSED AIR SYSTEMS 70.97 1 64 34 69.46 9.81 681 103.22A 7,170 1.04P 72

553 O2 N2 SYSTEM 1.48 33 67 0 1.48 14.39 21 148.30A 220 10.84P 16

555 FIRE EXTINGUISHING SYSTEMS 143.12 7 91 2 140.99 14.31 2,017 103.33A 14,569 1.21S - 171

561 STEERING AND DIVING CONTROL SYSTEMS 28.62 1 9 91 28.74 8.42 242 190.49A 5,475 0.10P 3

562 RUDDER 28.37 3 96 1 28.82 4.05 117 190.08A 5,479 0.01S 0

571 REPLENISHMENT-AT-SEA SYSTEMS 3.87 24 76 0 19.84 22.11 439 94.18A 1,869 0.91S - 18

572 SHIP STORES AND EQUIP. HANDLING SYSTEMS 10.46 6 94 0 10.46 17.01 178 48.41A 506 4.77S - 50

573 CARGO HANDLING SYSTEMS 31.15 3 11 87 30.99 19.82 614 91.17A 2,825 0.08P 2

575 VEHICLE HANDLING AND STOWAGE SYSTEMS 70.84 2 53 45 85.80 12.24 1,051 110.06A 9,443 0.83P 71

581 ANCHOR HANDLING AND STOWAGE SYSTEMS 198.69 0 15 86 198.38 13.84 2,745 8.66A 1,718 0.16S - 32

582 MOORING AND TOWING SYSTEMS 59.97 0 100 0 59.97 15.67 940 108.22A 6,490 0.08P 5

583 BOATS, BOAT HANDLING AND STOWAGE SYSTEMS 85.57 4 33 63 83.04 26.37 2,190 82.70A 6,867 1.40P 116

584 LANDING CRAFT HANDLING & STOWAGE SYSTEMS 76.92 2 5 93 79.90 14.85 1,187 177.65A 14,194 0.81P 65

587 AIRCRAFT LAUNCH SUPPORT SYSTEMS 0.23 100 0 0 0.23 16.46 4 145.72A 33 0.09P 0

588 AIRCRAFT HANDLING, SERVICING AND STOWAGE 14.13 36 26 39 13.74 25.95 357 136.92A 1,882 0.75S - 10

593 ENVIRONMENTAL POLLUTION CONTROL SYSTEMS 43.87 10 77 13 43.86 10.46 459 74.07A 3,248 0.18P 8

598 AUXILIARY SYSTEMS OPERATING FLUIDS 270.28 3 91 6 300.01 12.94 3,881 94.61A 28,384 0.57S - 172

599 AUXILIARY SYSTEMS REPAIR PARTS AND TOOLS 38.77 100 0 0 38.46 8.84 340 90.10A 3,465 0.14P 5

5 AUXILIARY SYSTEMS 2,454.00 8 67 25 2,591.43 14.00 36,284 93.13A 241,343 0.04S - 108

UNCLASSIFIED

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3-DIGIT WEIGHT AND MOMENT ESTIMATE

SHIP: LPD-26 11 / 22 / 2013

VARIANT ID: BASE LINE SI UNITS - KILOGRAMS, TONS, METERS, TON-METERS

PREPARED BY: HII LONGITUDINAL REFERENCE IS - 100.00 M FROM MID PERPENDICULAR PAGE 10

NAVY BUDGET PERCENT COMPLETE CURRENT VERTICAL LONGITUDINAL TRANSVERSE

GROUP

DESCRIPTION WEIGHT EST CALC ACT WEIGHT VCG MOMENT LCG MOMENT TCG MOMENT

600 OUTFIT AND FURNISHINGS, GENERAL

611 HULL FITTINGS 30.83 0 100 0 45.27 11.29 511 157.96A 7,151 0.04S - 2

612 RAILS, STANCHIONS, AND LIFELINES 66.78 8 92 0 59.59 24.12 1,438 104.52A 6,229 0.84P 50

613 RIGGING AND CANVAS 1.08 0 100 0 1.08 28.00 30 80.00A 87 0.14P 0

621 NON-STRUCTURAL BULKHEADS 56.28 - 1 101 0 71.66 18.53 1,328 67.68A 4,850 0.68P 48

622 FLOOR PLATES AND GRATINGS 158.93 - 3 103 0 165.89 10.25 1,701 99.27A 16,468 0.14P 23

623 LADDERS 54.15 0 100 0 59.78 11.72 701 101.18A 6,049 0.49S - 29

624 NON-STRUCTURAL CLOSURES 34.29 1 99 0 43.42 20.56 893 74.72A 3,244 2.93S - 127

625 AIRPORTS, FIXED PORTLIGHTS, AND WINDOWS 8.20 - 12 20 92 6.65 24.07 160 85.31A 567 2.10P 14

631 PAINTING 147.88 - 1 101 0 159.39 13.38 2,133 95.99A 15,300 0.12P 19

633 CATHODIC PROTECTION 48.92 0 98 2 53.78 3.98 214 112.37A 6,044 0.32P 17

634 DECK COVERING 177.90 14 52 35 249.09 16.28 4,055 96.14A 23,948 0.60P 150

635 HULL INSULATION 136.86 12 88 0 135.74 15.73 2,135 89.00A 12,081 0.75S - 102

637 SHEATHING 38.22 - 2 102 0 68.40 18.00 1,231 101.03A 6,911 0.65P 45

638 REFRIGERATED SPACES 21.32 0 100 0 21.44 5.81 124 52.10A 1,117 0.15S - 3

641 OFFICER BERTHING AND MESSING SPACES 29.21 0 0 100 29.21 26.21 766 61.12A 1,786 2.88P 84

642 NONCOMM.OFFICER BERTH.& MESSING SPACES 10.57 0 0 100 10.57 23.56 249 82.95A 877 2.49P 26

643 ENLST.PERSONNEL BERTH.& MESSING SPACES 126.81 0 9 91 127.01 18.50 2,349 66.03A 8,386 0.25P 32

644 SANITARY SPACES AND FIXTURES 22.77 - 8 108 0 21.48 18.35 394 69.57A 1,495 0.65P 14

645 LEISURE AND COMMUNITY SPACES 14.30 40 30 31 19.74 18.78 371 116.47A 2,299 3.02P 60

651 COMMISSARY SPACES 45.19 - 8 32 76 45.33 22.61 1,025 54.41A 2,466 2.37S - 107

652 MEDICAL SPACES 20.66 0 100 0 20.73 19.78 410 99.73A 2,067 4.03P 84

653 DENTAL SPACES 2.46 - 1 101 0 2.44 19.67 48 89.01A 217 8.01S - 20

654 UTILITY SPACES 6.65 - 7 107 0 6.25 11.71 73 59.51A 372 5.00S - 31

655 LAUNDRY SPACES 12.78 - 23 123 0 10.43 11.90 124 25.46A 266 2.51P 26

656 TRASH DISPOSAL SPACES

661 OFFICES 27.21 1 2 96 27.19 18.65 507 48.60A 1,321 1.76S - 48

662 MACHINERY CONTROL CENTERS FURNISHINGS 2.07 2 21 77 2.10 12.84 27 91.77A 193 0.40P 1

663 ELECTRONICS CONTROL CENTERS FURNISHINGS 17.87 3 97 0 17.72 24.09 427 68.15A 1,207 2.23S - 39

664 DAMAGE CONTROL STATIONS 20.60 8 17 75 22.42 17.89 401 99.49A 2,230 2.20P 49

665 WORKS.,LABS,TEST AREAS(INCL.PORTA.TOOLS 55.30 - 8 24 85 52.71 15.00 791 133.48A 7,036 0.79P 42

671 LOCKERS AND SPECIAL STOWAGE 34.06 - 7 107 0 25.79 18.93 488 90.49A 2,333 0.76S - 20

672 STOREROOMS AND ISSUE ROOMS 101.43 1 99 0 103.99 12.95 1,347 50.35A 5,235 0.70P 72

698 OUTFIT AND FURNISHINGS OPERATING FLUIDS 1.11 2 46 52 1.28 18.24 23 137.49A 176 4.86S - 6

699 OUTFIT & FURNISH. REP.PARTS & SPC.TOOLS 14.92 100 0 0 14.92 12.02 179 74.26A 1,108 0.30S - 4

6 OUTFIT AND FURNISHINGS 1,547.61 4 74 22 1,702.47 15.66 26,652 88.76A 151,116 0.19P 317

UNCLASSIFIED

UNCLASSIFIED REPORT NO. 29

3-DIGIT WEIGHT AND MOMENT ESTIMATE

SHIP: LPD-26 11 / 22 / 2013

VARIANT ID: BASE LINE SI UNITS - KILOGRAMS, TONS, METERS, TON-METERS

PREPARED BY: HII LONGITUDINAL REFERENCE IS - 100.00 M FROM MID PERPENDICULAR PAGE 11

NAVY BUDGET PERCENT COMPLETE CURRENT VERTICAL LONGITUDINAL TRANSVERSE

GROUP

DESCRIPTION WEIGHT EST CALC ACT WEIGHT VCG MOMENT LCG MOMENT TCG MOMENT

700 ARMAMENT, GENERAL

711 GUNS 5.54 17 83 0 6.58 26.72 176 87.80A 577 5.88P 39

712 AMMUNITION HANDLING 0.94 0 100 0 1.88 22.14 42 125.51A 236 0.34S - 1

713 AMMUNITION STOWAGE 1.61 0 100 0 1.61 20.81 33 88.55A 142 2.72P 4

721 LAUNCHING DEVICES (MISSILES AND ROCKETS) 10.67 2 98 0 9.89 25.73 255 78.48A 776 0.80S - 8

722 MISSILE, ROCKET, GUIDAN.CAP.HANDL.SYSTEM 5.07 0 100 0 5.07 4.67 24 81.58A 413 0.34P 2

761 SMALL ARMS & PYROTECHNIC LAUNCH.DEVICES 1.24 0 100 0 1.24 14.85 18 165.00A 204 11.35S - 14

763 SMALL ARMS AND PYROTECHNIC STOWAGE 5.68 37 63 0 8.81 20.73 183 80.83A 712 2.43S - 21

772 CARGO MUNITIONS HANDLING 146.43 0 100 0 146.43 12.88 1,886 91.63A 13,418 2.33S - 341

773 CARGO MUNITIONS STOWAGE 41.38 7 93 0 43.40 5.74 249 92.91A 4,032 1.31P 57

783 AIRCRAFT RELATED WEAPONS STOWAGE 0.82 0 100 0 0.82 18.24 15 144.44A 119 1.73S - 1

798 ARMAMENT OPERATING FLUIDS 0.14 0 0 100 0.14 10.92 1 144.25A 20 8.52P 1

799 ARMAMENT REPAIR PARTS AND SPECIAL TOOLS 11.50 100 0 0 11.50 29.84 343 22.86A 263 0.00S 0

7 ARMAMENT 231.00 8 92 0 237.36 13.59 3,225 88.11A 20,913 1.20S - 284

UNCLASSIFIED

UNCLASSIFIED REPORT NO. 29

3-DIGIT WEIGHT AND MOMENT ESTIMATE

SHIP: LPD-26 11 / 22 / 2013

VARIANT ID: BASE LINE SI UNITS - KILOGRAMS, TONS, METERS, TON-METERS

PREPARED BY: HII LONGITUDINAL REFERENCE IS - 100.00 M FROM MID PERPENDICULAR PAGE 12

NAVY BUDGET PERCENT COMPLETE CURRENT VERTICAL LONGITUDINAL TRANSVERSE

GROUP

DESCRIPTION WEIGHT EST CALC ACT WEIGHT VCG MOMENT LCG MOMENT TCG MOMENT

F00 FULL LOAD CONDITION

F11 SHIPS OFFICERS 5.26 0 100 0 5.26 26.07 137 51.26A 270 1.25P 7

F12 SHIPS NONCOMMISSIONED OFFICERS 4.19 0 100 0 4.19 25.24 106 72.52A 304 0.14S - 1

F13 SHIPS ENLISTED MEN 32.24 0 100 0 32.24 13.87 447 56.89A 1,834 0.96P 31

F15 TROOPS 76.09 0 100 0 76.09 21.11 1,606 72.60A 5,524 1.38P 105

F21 SHIP AMMO.(USED BY SHIP ON WHICH STOWED 21.28 13 87 0 24.36 23.55 574 89.98A 2,192 6.62P 161

F23 ORDNANCE DELIVERY SYSTEMS 42.10 0 100 0 42.10 21.71 914 148.63A 6,257 1.00S - 42

F26 ORDN.DELIVERY SYSTEMS SUPPORT EQUIPMENT 27.97 0 100 0 27.97 20.20 565 99.60A 2,785 1.47P 41

F29 SPECIL.MISSION REL.SYSTEMS & EXPENDABLES 0.46 0 100 0 0.46 30.80 14 51.73A 24 2.07P 1

F31 PROVISIONS AND PERSONNEL STORES 167.70 0 100 0 167.70 8.44 1,416 54.14A 9,080 0.68P 115

F32 GENERAL STORES 40.69 0 100 0 40.69 10.51 428 40.20A 1,636 2.04P 83

F41 DIESEL OIL 2,399.14 0 100 0 2,399.18 5.69 13,642 99.38A 238,425 0.83S - 1,984

F46 LUBRICATING OIL 93.52 0 100 0 71.56 5.35 383 92.74A 6,636 0.86S - 61

F51 SEA WATER 161.51 0 100 0 161.51 1.29 209 103.25A 16,676 0.07P 11

F52 FRESH WATER 238.34 0 100 0 238.43 7.66 1,826 94.50A 22,530 0.88P 209

F54 HYDRAULIC FLUID 7.06 0 100 0 7.06 19.77 140 131.25A 927 10.50S - 74

F55 SANITARY TANK LIQUID 31.11 0 100 0 31.11 1.85 58 73.01A 2,271 0.47P 15

F61 CARGO, ORDN.& ORDN.DELIVERY SYSTEMS 576.96 0 100 0 576.96 5.02 2,894 86.08A 49,665 2.11P 1,218

F63 CARGO, FUELS AND LUBRICANTS 1,002.90 0 100 0 955.18 7.28 6,951 149.86A 143,146 1.29S - 1,229

F66 CARGO, AMPHIBIOUS ASSAULT SYSTEMS 1,786.53 0 100 0 1,786.53 11.92 21,293 110.45A 197,321 0.29P 515

F FULL LOAD 6,715.06 0 100 0 6,648.59 8.06 53,600 106.41A 707,502 0.13S - 880

UNCLASSIFIED

UNCLASSIFIED **REPORT NO. 29**

3-DIGIT WEIGHT AND MOMENT ESTIMATE

SHIP: LPD-26 **11 / 22 / 2013**

VARIANT ID: BASE LINE SI UNITS - KILOGRAMS, TONS, METERS, TON-METERS

PREPARED BY: HII LONGITUDINAL REFERENCE IS - 100.00 M FROM MID PERPENDICULAR PAGE 13

NAVY BUDGET PERCENT COMPLETE CURRENT VERTICAL LONGITUDINAL TRANSVERSE

GROUP

DESCRIPTION WEIGHT EST CALC ACT WEIGHT VCG MOMENT LCG MOMENT TCG MOMENT

C00 CAPACITY LOAD CONDITION

C11 SHIPS OFFICERS 6.90 0 100 0 6.89 26.23 181 52.76A 364 1.31P 9

C12 SHIPS NCO 5.09 0 100 0 5.09 25.24 128 72.10A 367 0.12S - 1

C13 SHIPS ENLISTED 34.43 0 100 0 34.43 13.91 479 59.85A 2,060 0.06P 2

C15 TROOPS OFF/NCO/ENL 87.09 0 100 0 87.09 21.10 1,837 72.71A 6,333 1.39P 121

C21 SHIPS AMMUNITION 21.28 0 100 0 24.36 23.55 574 89.98A 2,192 6.62P 161

C23 ORDANCE DELIVERY SYSTEM 42.10 0 100 0 42.10 21.71 914 148.63A 6,257 1.00S - 42

C26 ORDANCE DELIVERY SUPPORT 27.97 0 100 0 27.97 20.20 565 99.60A 2,785 1.47P 41

C29 PYROTECHNICS 0.46 0 100 0 0.46 30.80 14 51.73A 24 2.07P 1

C31 PROV./PERSONAL STORES 365.88 0 100 0 353.31 8.69 3,070 53.90A 19,044 1.22P 432

C32 GENERAL STORES 178.18 0 100 0 178.18 12.81 2,283 32.30A 5,755 0.53P 94

C41 DIESEL OIL 2,399.14 0 100 0 2,399.18 5.69 13,642 99.38A 238,425 0.83S - 1,984

C46 LUBRICATING OIL 116.82 0 100 0 116.82 4.69 548 93.20A 10,887 0.64S - 75

C51 SEA WATER - RESIDUAL 161.51 0 100 0 161.51 1.29 209 103.25A 16,676 0.07P 11

C52 FRESH WATER 238.34 0 100 0 238.43 7.66 1,826 94.50A 22,530 0.88P 209

C54 HYDRAULIC FLUID 7.06 0 100 0 7.06 19.77 140 131.25A 927 10.50S - 74

C55 SANITARY TANK LIQUID 100.99 0 100 0 100.99 2.64 266 72.95A 7,367 0.47P 48

C61 CARGO ORDNANCE 576.96 0 100 0 576.96 5.02 2,894 86.08A 49,665 2.11P 1,218

C63 CARGO FUEL & LUBE 1,002.90 0 100 0 976.97 7.28 7,112 149.89A 146,441 1.44S - 1,404

C66 CARGO AMPHIB ASSAULT SYS 1,816.85 0 100 0 1,816.85 11.92 21,661 110.21A 200,233 0.29P 522

C CAPACITY LOAD 7,189.93 0 100 0 7,154.66 8.15 58,342 103.20A 738,331 0.10S - 711

UNCLASSIFIED

UNCLASSIFIED **REPORT NO. 29**

3-DIGIT WEIGHT AND MOMENT ESTIMATE

SHIP: LPD-26 **11 / 22 / 2013**

VARIANT ID: BASE LINE SI UNITS - KILOGRAMS, TONS, METERS, TON-METERS

PREPARED BY: HII LONGITUDINAL REFERENCE IS - 100.00 M FROM MID PERPENDICULAR PAGE 14

NAVY BUDGET PERCENT COMPLETE CURRENT VERTICAL LONGITUDINAL TRANSVERSE

GROUP

DESCRIPTION WEIGHT EST CALC ACT WEIGHT VCG MOMENT LCG MOMENT TCG MOMENT

B00 MIN. OPER. LOAD CONDITION

B11 SHIPS OFFICERS 5.26 0 100 0 5.26 26.07 137 51.26A 270 1.25P 7

B12 SHIPS NCO 4.19 0 100 0 4.19 25.24 106 72.52A 304 0.14S - 1

B13 SHIPS ENLISTED 32.24 0 100 0 32.24 13.87 447 56.89A 1,834 0.96P 31

B15 TROOPS OFF/NCO/ENL 76.09 0 100 0 76.09 21.11 1,606 72.60A 5,524 1.38P 105

B21 SHIPS AMMUNITION 14.51 0 100 0 16.20 26.00 421 84.44A 1,368 4.46P 72

B23 ORDANACE DELIVERY SYSTEM 42.10 0 100 0 42.10 21.71 914 148.63A 6,257 1.00S - 42

B26 ORDANCE DELIVERY SUPPORT 27.97 0 100 0 27.97 20.20 565 99.60A 2,785 1.47P 41

B29 PYROTECHNICS 0.46 0 100 0 0.46 30.80 14 51.73A 24 2.07P 1

B31 PROV./PERSONAL STORES 55.90 0 100 0 55.90 8.44 472 54.14A 3,027 0.68P 38

B32 GENERAL STORES 13.56 0 100 0 13.56 10.51 143 40.20A 545 2.04P 28

B41 DIESEL OIL 811.01 0 100 0 799.72 3.38 2,705 101.90A 81,492 0.98S - 785

B46 LUBRICATING OIL 25.65 0 100 0 23.86 4.43 106 92.74A 2,213 0.86S - 20

B51 SEA WATER-RESIDUAL 1,875.46 0 100 0 1,923.22 3.12 6,002 104.53A 201,033 0.20S - 390

B52 FRESH WATER 157.70 0 100 0 158.96 6.63 1,054 94.49A 15,021 0.83P 132

B54 HYDRAULIC FLUID 2.36 0 100 0 2.36 19.77 47 131.25A 310 10.50S - 25

B55 SANITARY TANK LIQUID 32.72 0 100 0 31.11 1.85 58 73.01A 2,271 0.47P 15

B63 CARGO FUEL & LUBE

B MIN. OPER. LOAD 3,211.24 0 100 0 3,213.19 4.60 14,795 100.92A 324,276 0.25S - 793

UNCLASSIFIED