Ship/HULL NO.	Ship/HULL NAME	JON:	ICN:	Rev:	Key Op:
LPD-18	USS NEW ORLEANS		38KFA86514		A01

TITLE:

Insulation and Lagging in Various Space; replace

JOB SPECIFICATION

Anticipated Award Date:	Production Completion Date:	PREPARING ACTIVITY:
07/06/2026	09/07/2026	SASEBO
POP Start Date: 07/27/2026	**POP End Date:** 10/31/2026	

PREPARED BY: **T.YOSHINAGA**	CODE **P_YO**	DATE **6/1/2026**
APPROVED BY: **S.MURAKAMI** SM	CODE **S225**	
CONCURRED BY: **T.TAKAMASU** TT	CODE **S234**	
ASSIST PLANNER'S NAME:	CODE	
ASSIST PLANNER'S NAME:	CODE	
ASSIST PLANNER'S NAME:	CODE	

DESCRIPTION:

JSN(S): ES01-L013 **CASREP #** .

S/F CONTACT: ROMERO MMC / TORREY DCC **CWP #** **CCNS #** .

Approved by S300/S900 MMolina **Date:** 04 JUNE 2026 **AVL:** 6A1 .

LT. M. MOLINA / Project Offic

LWC: .

Work Completed

S/Force: **Rate:** **Date:** .

Ship Supt: **Date:** **SRF CONTROL NO.:** 1301378325 .

WORK CERTIFICATION SIGNATURES

COMPLETION OF WORK REVIEW:	BADGE NO.:	SHOP/CODE:	PHONE:	DATE:

1. **SCOPE:**

1.1 Title: Insulation and Lagging in Various Space; replace

1.2 Location of Work:

1.2.1 Listed in ENCLOSURE (A)

1.3 Identification:

1.3.1 Listed in ENCLOSURE (A) for Replacement of Various Insulation and Lagging on Piping, Ventilation Duct and Bulkhead, Lagging Pad on Exhaust Piping, Located in 1.2.1

2. **REFERENCES:**

2.1 Standard Items (FY26)

2.2 508-7318327 Rev F, Piping and Machinery Insulation Schedule

2.3 509-7318325 Rev B, HVAC Thermal Insulation Schedule

2.4 J136 Rev B, Insulation Details

2.5 J137-10 Rev J, Insulation Arrangement 3RD Platform FR 32.5 to FR 62.5

2.6 J137-11 Rev J, Insulation Arrangement 3RD Platform FR 62.5 to FR 110

2.7 J137-25 Rev G, Insulation Arrangement 3RD Deck FR 32.5 to FR 62.5

2.8 J137-26 Rev H, Insulation Arrangement 3RD Deck FR 62.5 to FR 110

2.9 J137-33 Rev J, Insulation Arrangement 2ND Deck FR 157.5 AFT

3. **REQUIREMENTS:**

3.1 Remove existing insulation and lagging to replace insulation and lagging listed in 1.3.1, using 2.2 through 2.9 for guidance.

3.1.1 Accomplish the requirements of **009-011** of 2.1 for insulation and lagging.

3.1.2 Accomplish the requirements of **009-032** of 2.1 for cleaning and preservation of each new and disturbed surface to match surrounding area.

3.2 Witness visual inspection of replaced insulation and lagging to be conducted by Ship's Force.

(V) "REPORT"

3.2.1 Submit One legible condition report listing results of the requirements of 3.2 to SUPERVISOR.

4. NOTES:

4.1 Initial Condition - Various lagging throughout the ship is degraded and requires replacement.

4.2 Reference 2.4 has been approved by S245 for application to LPD-17 class.

5. GOVERNMENT FURNISHED MATERIAL:

5.1 SRF will provide following material.

MATERIAL LIST

ITEM NO.	PC NO.	REF NO.	M/C	DESCRIPTION	STOCK NUMBER	HAZ MAT	DOC NO.	QTY REQD/ UNIT	PARA NO.
001			M	INSULATION, PIPE COVERING, 1/2"IPS, 7/8" ID X 3/4" THK X 6FT LG, 6FT/EA, U/I:21EA/BX	9Q 5640 SA4783092	N		4/EA	3.1
002			M	INSULATION, PIPE COVERING, 3/4"IPS, 1-1/8" ID X 3/4" THK X 6FT LG, 6FT/EA, U/I:15EA/BX	9Q 5640 SA9607842	N		9/EA	3.1
003			M	INSULATION, PIPE COVERING, 1"IPS, 1-3/8" ID X 3/4" THK X 6FT LG, 6FT/EA, U/I:13EA/BX	9Q 5640 SA4783096	N		4/EA	3.1
004			M	INSULATION, PIPE COVERING, 1-1/2"IPS, 2-1/8" ID X 3/4" THK X 6 FT LG, 6FT/EA, U/I:10EA/BX	9Q 5640 SA9607843	N		1/BX	3.1
005			M	INSULATION, PIPE COVERING, 2"IPS, 2-3/8" ID X 3/4" THK X 6 FT LG, 6FT/EA, U/I:8EA/BX	9Q 5640 SA9607844	N		1/BX	3.1
006			M	INSULATION, PIPE COVERING, 3"IPS, 3-1/2"ID X 3/4" THK X 6 FT LG, 6FT/EA, U/I:5EA/BX	SA9607846	N		1/BX	3.1
007			M	INSULATION, PIPE COVERING, 4"IPS, 4-1/2" ID X 3/4" THK X 6 FT LG, 6FT/EA, U/I:3EA/BX	9Q 5640 SA9607848	N		1/BX	3.1
008			M	INSULATION, PIPE COVERING, 5"IPS, 5-1/2" ID X 3/4" THK X 6 FT LG, 6FT/EA, U/I:2EA/BX	9Q 5640 SA9607849	N		2/BX	3.1
009			M	INSULATION, PIPE COVERING, 6"IPS, 6-5/8" ID X 3/4" THK X 6FT LG, 6FT/EA, U/I:2EA/BX	9Q 5640 SA9607850	N		1/BX	3.1
010			M	INSULATION, PIPE COVERING, 8"IPS, 8-5/8" ID X 3/4" THK X 6 FT LG, 6FT/EA	9Q 5640 SA9607851	N		30/EA	3.1
011			M	INSULATION, SHEET, 3/4"THK X 3FT W X 4FT L, K-FLEX ECO, NON HALOGEN RUBBER FOAM, 8SH/BX	SA9607854	N		6/BX	3.1
012			M	INSULATI, INSULATION BOARD, 1" X 2' X 3', W/CLOTH, MIL-DTL-24688 TY.II, CL.1, POLYIMIDE	9Q 5640 013713263	N		20/SH	3.1

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MATERIAL LIST

ITEM NO.	PC NO.	REF NO.	M/C	DESCRIPTION	STOCK NUMBER	HAZ MAT	DOC NO.	QTY REQD/ UNIT	PARA NO.
013			M	INSULATI, 25MM (1 INCH) THK, POLYIMIDE, BATT, MYLAR FACE, J136B COMP NO.2, 1"THK X 2' X 3'	9Q 5640 SAJ136002	N		3/SH	3.1
014			M	INSULATI, INSULATION, ACOUSTIC, BATT, 50MM (2 INCH) THK, MYLAR FACE, J136 COMP NO.6, 2' X 3' X 2 SHEETS OR 2' X 4' X 2 SHEETS	9Q 5640 SAJ136006	N		24/SF	3.1
015			M	INSULATION, FIRE, ALTN- 25MM THK, FYREWRAP LT MARINE 6# BLANKET, MYLAR FACE (INSULATION BY UNIFRAX) BHD APPLICATION, (AES) ALKALINE EARTH SILICATE, USCG 164.112/125/0 FOR MYLAR FACE, USCG 164.109/EC2531/2531-MED-CMC1003/EC0038, J136B COMP NO.11A	9Q 5640 SAJ13611A	N		120/SF	3.1
016			M	INSULATION, FIRE/SOUND SANDWICH, 50MM THK [25MM THK AES BARE WITH 25MM FG GROOVED BOARD, MYLAR FACED] WITH TY. 1 FIRE WRAP	9Q 5640 SAJ13615A	N		144/SF	3.1
017			M	NYLON-IN, MINERAL WOOL FILLTER, 6# DENSITY, UNFACED	9B 5330 SAJ136046	N		336/SF	3.1
018			M	ACOUSTIC, ACOUSTIC BARRIER MATERIAL, FABRIC FACED, SIZE: 4MM THK X 54" WIDTH X 20'LENGTH, ACOUSTIC BARRIER WITH GLASS CLOTH 1.5# MASS LOADED BARRIER WITH GLASS CLOTH SURFACE FINISH COMP NO. 51 AND SHEET 13A OF US JOINER DRAWING J136 REV B, P/N: RB TLL (APPROVED BY EQUIVALENCY #158)	9Q 5640 SAJ136051	N		1/RO	3.1
019			M	INSULATI, INSULATION, ACOUSTIC, 50MM (2") THK FIBERGLASS HULLBOARD, UNF, SIZE: 2'W X 3'L, COMP#: 53 OF USJ DWG#: J136 REV-B	9Q 5640 SAJ136053	N		120/SF	3.1
020			M	WAFFLEBO, ACOUSTIC, 50MM (2 INCH) THK FIBERGLASS HULLBOARD, CLOTH FACED, J136B COMP NO.55	9Q 5640 SAJ136055	N		120/SF	3.1
021			M	INSULATI, INSULATION, ACOUSTIC, 50MM (2") THK FIBERGLASS GROOVED HULLBOARD, W/ PERFORATED CLOTH FACED, SIZE: 2'W X 3'L, COMP#: 56 OF USJ DWG#: J136 REV-B	9B 5640 SAJ136056	N		120/SF	3.1
022			M	TAPE, AL, SIZE: 3.25MIL (0.00325 INCH) THK X 3 INCH WIDTH X 150 FT LENGTH, VENTURE TAPE, PT. 1520CW, J136B COMP NO.57	9Q 5640 SAJ136057	N		1/RO	3.1
023			M	TAPE,TEX, TAPE, GLASS CLOTH, 2 INCH WIDE X 50 YD ROLL	9B 8315 002671632	N		23/RA	3.1
024			M	TAPE,TEX, TAPE, GLASS CLOTH, 4 INCH WIDE X 50 YD ROLL	9B 8315 002671630	N		7/RO	3.1
025			M	CAP INSU, CAP INSU, 22MM (7/8 INCH) DIA, DOME CAP, ALUMINUM, COMP NO 28 OF US JOINNER DWG NO. J136	9B 5342 SAJ136028	N		400/EA	3.1
026			M	CLOTH,PL, GLASS CLOTH, 5 FT W X 50 YD, MIL-C-20079H TY.I, CL.3, L/W	9B 8305 001487363	N		1/RO	3.1

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ITEM NO.	PC NO.	REF NO.	M / C	DESCRIPTION	STOCK NUMBER	HAZ MAT	DOC NO.	QTY REQD/ UNIT	PARA NO.
027			M	INSULATI, INSULATION BLOCK,TH, THERMAL BOARD, 1 INCH THK, 24 INCHES X 36 INCHES , MIL-DTL-32585A, TYPE 1, FORM 1, FACING B, 12 EA/BX	9Q 5640 008096312	N		2/BX	3.1
028			M	ADHESIVE, ADHESIVE, ADHESIVE, WHITE, MIL-DTL-3316D CL.1, GR.A 1GL/UI	9B 8040 002738708	Y		65/GL	3.1
029			M	ADHESIVE, ADHESIVE, ADHESIVE, NEOPRENE, MIL-A-24179A TY.II, CL.1, 520, R-373, 1 GL/UI	9B 8040 005508835	Y		23/GL	3.1
030			M	ADHESIVE,FIRE RES,I, ADHESIVE, MIL-A-3316D CL.3, GR.A PELICAN 301A ADHESIVE 10 OZ TU	9Q 8040 LHA008518	Y		3/TU	3.1
031			M	INSULATI, INSULATION FELT, 1"THK, MIL-DTL-32585 TYPE-1 FORM-3 (FORMER MIL-I-16411 TYPE_2), 5'W X 45'	9B 5640 SA9607458	N		1/RO	3.1
032			M	WIRE FAB, WIRE, MESH, 0.008" WIRE, 30 INCH WIDE X 50 YD/EA, CRES 304	9B 5335 005989404	N		1/EA	3.1
033			M	CLOTH,PL, CLOTH,PLAIN WEAVE, GLASS CLOTH, 5 FT W X 50 YD, MIL-C-20079 TY.I, CL.9, PAD LAGGING	9B 8305 001487364	N		1/RO	3.1
034			M	THREAD,G, GLASS THREAD, MIL-C-20079 TY.III CL.3, GLASS FIBER, 3000 YD/SLWIRE	9B 8310 000851711	N		1/SL	3.1
035			M	SPEED CL, SPEED CLIP, INSULATION, SELF-LOCKING, 38MM (1-1/2 INCH) DIA	9Q 5325 SAJ136027	N		400/EA	3.1
036			M	SEALING COMPOUND, SEALING COMPOUND, MIL-C-19565C TY.II, 1, 1GL/UI, VAPOR VARRIER	9B 8030 001742588	Y		1/GL	3.1

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LIST of Insulation and Lagging

No.	SRF:JSN	POC	WORKC ENTER JSN	COMPARTMENT	SYSTEM	Identification
1	ES01-L013_1	EMCS YAP	EE02-4729	LOAD CENTER ROOM No.81 (01-120-1-Q)	CHW Piping	(Total 12 FT) Insulation and Lagging on 1/2 Inch IPS and 3/4 Inch IPS Chill Water Supply and Return Piping for Fan Coil Unit (01-120-1), from Fan Coil Unit (01-120-1) to Each 6 Feet Length, Including Valve (CWS-V-0989 and CHR-V-0988), K-FLEX
2	ES01-L013_2	EMCS YAP	EE07-1388	UNA (3-120-1-Q)	Ballast Piping	(12 FT) Insulation and Lagging on 3 Inch IPS Ballast Piping, from Bulkhead to Valve (BALV-V-58), K-FLEX
3	ES01-L013_3	EMCS YAP	EE02-4701	LOAD CENTER ROOM No.32 (3-77-2-Q)	Drain Piping	(Total 12 FT) Insulation and Lagging on One Inch IPS and 1-1/2 Inch IPS Drain Piping, from Deck to 12 Feet Length, Not Including Drain Funnel, K-FLEX
4	ES01-L013_4	EMCS YAP	EE01-0858	PASSAGE (2-128-2-L)	CHW Valve	(2 FT) Insulation and Lagging on 5 Inch IPS Chill Water Return Valve (CWR-V-0239), K-FLEX
5	ES01-L013_5	EMCS YAP	EE01-0862	ELEC POWER CVRSN ROOM NO.2 (3-128-1-Q)	CHW Piping	(Total 8 FT) Insulation and Lagging on 1-1/2 Inch IPS Chill Water Supply and Return Piping for Fan Coil Unit (3-132-1), from Fan Coil Unit (3-132-1) to each 4 Feet,Including Each Valve (CWS-V-0514 and CHR-V-0513), K-FLEX
6	ES01-L013_6	EN1 BOOKER / EN2 WADE	EM03-1598	EOS (6-43-1-E)	Bulkhead	(Total 25 SQFT) Insulation and Lagging on STBD Side Bulkhead of Around AFT Side, from Deck to Above 2 Stifner, Accoustic Insulation
7	ES01-L013_7	EN1 BOOKER / EN2 WADE	EM03-1576	PASSAGE, 3RD PLAT FORM (6-95-7-L)	Bulkhead	(Total 20 SQFT) Insulation and Lagging on STBD Side Bulkhead, Damaged Area, One Inch Thermal
8	ES01-L013_8	EN1 BOOKER / EN2 WADE	EM03-1576	PASSAGE, FIRST PLAT FORM (6-95-7-L)	FM Valve and Piping	(2 FT) Insulation and Lagging on 4 Inch IPS Firemain Valve (FM-V-324) and Piping, K-FLEX
9	ES01-L013_9	EN1 BOOKER	EM01-3769	CREW LIVING SPACE (3-33-0-L)	Bulkhead	(Total 40 SQFT) Insulation and Lagging on STBD Side Bulkhead of Around Center, from Deck to Above 2 Stifner, 2 Inch Thermal Insulation
10	ES01-L013_10	EN1 BOOKER / EN2 WADE	EM03-1618	AUXILIARY MACHINERY ROOM NO.1 (7-33-0-E)	Bulkhead	(Total 60 SQFT) Insulation and Lagging on FWD Side Bulkhead, from Port Side Bulkhead to 6 Feet Length, Accoustic/Fire Insulation

ENCLOSURE (A) 1/3

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No.	SRF:JSN	POC	WORKCENTER JSN	COMPARTMENT	SYSTEM	Identification
11	ES01-L013_11	EN1 BOOKER / EN2 DIETZ	EM01-3770	MAIN MACHINERY ROOM NO.1 (7-63-0-E)	JW Piping	(10 FT) Insulation and Lagging on 5 Inch IPS through 8 Inch IPS Jacket Water STBD Side Piping for MPDE 1B, from Outlet of Flexible Hose to 10 Feet, Around FR71 of STBD Side, K-Flex
					Exhaust Expansion Joint	(One EA) Insulation and Lagging Pad on Expansion Joint of 28 Inch IPS Exhaust Center Side Piping for MPDE 1B, Around FR72 of STBD Side, Lagging Pad
					FM Piping	(One EA) Insulation and Lagging on Cascade Orificial Restrictive Device (CORD: FM-OR-11) on 6 Inch IPS Firemain Piping, Approximately 4 Feet Length, Around FR 66 of PORT Side, K-FLEX
					ASW Piping	(8 FT) Insulation and Lagging on 8 Inch IPS Auxiliary Seawater Piping, from Checkered Plate to Above 8 Feet Length, Around FR 66 of PORT Side, K-Flex
					ASW Valve and Piping	(4 FT) Insulation and Lagging on 8 Inch IPS Auxiliary Seawater Valve (ASW-V-022) and Piping, from Checkered Plate to Above 4 Feet Length, Around FR 66 of STBD Side, K-FLEX
					MSW Piping	(8 FT) Insulation and Lagging on 8 Inch IPS Main Seawater Piping from Valve (1A-MSW-V-4) to Valve (1A-MSW-V-6), Around FR 64 of PORT Side, K-FLEX
					JW Valve	(One EA) Insulation and Lagging on 8 Inch IPS Jacket Water Butterfly Valve (1A-PJW-V-2A), Lagging is Missing, Around FR 66 of Center Side, K-FLEX
12	ES01-L013_12	EN2 FUENTESERRQA	EM05-1932	PASSAGE (5-128-1-L)	CHW Piping	(Total 45 FT) Insulation and Lagging on 8 Inch IPS Chill Water Supply and Return Piping, from 2ND Plat Form Deck to First Plat Form Bulkhead, K-FLEX
13	ES01-L013_13	EN2 GREER	EM02-3152	MAIN MACHINERY ROOM NO.2 (7-110-0-E)	JW Piping	(15 FT) Insulation and Lagging on 8 Inch IPS Jacket Water Piping, Around FR 110 of PORT Side, in front of MMR No.2 Door, K-FLEX
					CFW Valve	(One EA) Insulation and Lagging on 8 Inch IPS Central Freshwater Butterfly Valve (2-CFW-V-1B), Lagging is missing, Around FR 110 of PORT Side, K-FLEX
					JW Piping	(6 FT) Insulation and Lagging on 3 Inch IPS Jacket Water Piping, from Outlet Piping of Pump (MPDE No.2) to Valve (2A-PJW-V-40), K-Flex
						(5 FT) Insulation and Lagging on 3 Inch IPS Jacket Water Piping, from Valve (2A-PJW-V-9) to 5 Feet Length, K-Flex
					MD Valve	(One EA) Insulation and Lagging on Main Dranage Eductor No.4 Actuation Isolation Valve (MD-V-04D) on 5 Inch IPS Main Dranage Piping, K-FLEX
					Ventilation Duct	(10 FT) Insulation and Lagging on Ventilation Duct (Supply System 2-111-3), Approximately 22 through 29 Inch Width by 9 Inch Height Rectangle Duct, from plenum to 10 Feet Length, Around FR 110 of STBD Side, One Inch Thermal Insulation
					SW Strainer	(2 EA) Insulation and Lagging on 8 Inch IPS Sea Water Self Cleaning Stainer 2A and 2B, K-FLEX

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No.	SRF:JSN	POC	WORKCENTER JSN	COMPARTMENT	SYSTEM	Identification
14	ES01-L013_14	EN1 LIVINGSTONE	EM04-1440	PASSAGE (2-83-2-L)	Drain Piping	(4 FT) Insulation and Lagging on 2 Inch IPS Drain Piping, from Deck to 4 Feet, K-FLEX
15	ES01-L013_15	EN1 LIVINGSTONE	EM04-1438	ENCLOSED OPERATING STATION (6-90-3-E)	Bulkhead	(Total 30 SQFT) Insulation and Lagging on STBD Side Bulkhead, Damaged Area, 4 Inch Accoustic Insulation
16	ES01-L013_16	EN1 LIVINGSTONE	EM04-1439	AUXILIARY MACHINERY ROOM (7-80-0-E)	Drain Piping	(Total 3 FT) Insulation and Lagging on 5 Inch IPS Drain Valve (PWD-V-1516) and Piping, from Valve to 3 Feet Length, Around FR 95 of Center Side, K-FLEX
17	ES01-L013_17	EN1 LIVINGSTONE	EM04-1437	AUXILIARY MACHINERY ROOM (7-80-0-E)	ASW Valve and Piping	(3 FT) Insulation and Lagging on 6 Inch IPS Auxiliary Seawater Valve (ASW2-V-015) and Piping for AUX Seawater Cooling Pump No.2, K-FLEX
18	ES01-L013_18	DCC TORREY	ER04-5244	CONFLAG STA No. One (3-75-2-C)	Bulkhead	(Total 5 SQFT) Insulation and Lagging on Center of Bulkhead, Damaged Area, One Inch Thermal
19	ES01-L013_19	DCC TORREY	ER04-5385	UN-ASSIGNED (2-173-4-Q)	CHW Piping	(Total 15 FT) Insulation and Lagging on 3/4 Inch IPS and One Inch IPS Chill Water Supply and drain Piping for Fan Coil Unit (2-174-2), Supply Line from Fan Coil Unit (2-174-2) to each 5 Feet Length, Drain Line from Fan coil Unit (2-174-2) to 10 Feet Length, K-FLEX
20	ES01-L013_20	DCC TORREY	ER04-5380	UN-ASSIGNED (2-173-4-Q)	L-Angle Bulkhead	(Total 5 SQFT) Insulation and Lagging on L-Angle of Bulkhead, Lagiing is missing, PORT Side, 2 Inch Accoustic MYLAR Face
21	ES01-L013_21	DCC TORREY	ER04-5361	DAMAGE CONTROL UNIT PATROL STATION 21 (2-28-1-C)	CHW Piping	(Total 12 FT) Insulation and Lagging on 3/4 Inch IPS Chill Water Supply and Return Piping for Fan Coil Unit (2-30-1), from Fan Coil Unit (2-30-1) to each 6 Feet Length, K-FLEX
22	ES01-L013_22	DCC TORREY	ER04-5347	PASSAGE (2-143-2-L)	CHW Piping	(18 FT) Insulation and Lagging on 3/4 Inch IPS and 2 Inch IPS Chill Water Supply and Return Piping for Fan Coil Unit (2-144-2), Supply Line from Fan Coil Unit (2-144-2) to 3 Feet Length, Return Line from Fan Coil Unit (2-144-2) to 15 Feet Length, K-FLEX
23	ES01-L013_23	N/A				
24	ES01-L013_24	DCC TORREY	ER04-5315	PASSAGE (1-63-4-L)	CHW Piping	(Total 12 FT) Insulation and Lagging on 1/2 Inch IPS and 2-1/2 Inch IPS Chill Water Supply and Return Piping for Fan Coil Unit (1-76-2), from Deck to each 12 Feet Length, in front of AFT Side Door, K-FLEX