

DOOR AND HATCH BILL (Continued)

OILTIGHT MANHOLES

NUMBER	CONNECTING SPACES	CLASS	DIV
	2nd PLATFORM		
6-18(P)	A-601-A (Barrack Bag Stowage. A-901-F (F O or S W)	X	B
6-40(S)	A-604-M A-901-F (F O or S W)	X	B
6-42-2	A-605-A (No II Cargo Hold A-902-F (F O or S W)	X	B
6-42-1	A-605-A (No II Cargo Hold A-903-F (F O or S W)	X	B
6-58-2	A-605-A (No II Cargo Hold A-902-F (F O or S W)	X	B
6-58-1	A-605-A (No II Cargo Hold A-903-F (F O or S W)	X	B
6-60-2	A-606-W (Freshwater wash) A-906-F (F O or S W)	X	B
6-60-4	A-608-W (Freshwater wash) A-904-F (F O or S W)	X	B
6-60-1	A-607-W (Freshwater wash) A-905-F (F O or S W)	X	B
6-77-2	A-608-W (Freshwater wash) A-904-F (F O or S W)	X	B
6-77-1	A-609-W (Freshwater wash) A-906-F (F O or S W)	X	B
6-77-3	A-607-W (Freshwater wash) A-905-F (F O or S W)	X	B
6-78-1	A-610-AE (Passageway) A-907-F (F O or S W)	X	B
6-79-2✓	A-610-AE (Fruit & Vegetable Refrig. Space. A-908-F (F O or S W)	X	B
6-79-1✓	A-610-AE (Passageway) A-909-F (F O or S W)	X	B
6-96-2✓	A-610-AE (Refrig Mach RM A-907-F (F O or S W)	X	B
6-96-4✓	A-610-AE (Refrig Mach RM A-908-F (F O or S W)	X	B
6-96-1	A-611-M (20MM & 40MM Amm. Stowage. A-909-F (F O or S W)	X	B
6-99(P)	B-1 Boilers & Machinery A-903-F (F O or S W)	X	B
6-98-2	B-1 Boilers & Machinery B-902-F (F O or S W)	X	B

*Indicates a hinged and dogged oiltight manhole cover.

#Indicates a bolted oiltight manhole cover.

DOOR AND HATCH BILL (Continued)

OILTIGHT MANHOLES

NUMBER	CONNECTING SPACES		CLASS	DIV
	2nd PLATFORM			
6-98-2	B-1 Boilers&Machinery	B-902-F (F O or S W)	X	B
6-98-1	B-1 Boilers&Machinery	B-901-F (F O or S W)	X	B
6-110-1	B-1 Boilers&Machinery	B-903-F (F O or S W)	X	B
6-111-2	B-1 Boilers&Machinery	B-902-F (F O or S W)	X	B
6-110-3	B-1 Boilers&Machinery	B-901-F (F O or S W)	X	B
6-112-2	B-604-F Fuel oil Settling	B-904-F (F O or S W)	X	B
6-112-1	B-603-V Cofferdam #2	B-906-F (F O or S W)	X	B
6-112-3	B-605-F Fuel oil Settling	B-905-F (F O or S W)	X	B
6-127-2	B-603-V Cofferdam #2	B-906-F (F O or S W)	X	B
6-127-4	B-603-V Cofferdam #2	B-904-F (F O or S W)	X	B
6-127-1	B-611-F Fuel oil Settling	B-905-F (F O or S W)	X	B
6-129-4	B-2 Boilers&Machinery	B-908-F (F O or S W)	X	B
6-129-2	B-2 Boilers&Machinery	B-907-F (F O or S W)	X	B
6-128-1	B-2 Boilers&Machinery	B-909-F (F O or S W)	X	B
6-141-1	B-2 Boilers&Machinery	B-907-F (F O or S W)	X	B
6-141-2	B-2 Boilers&Machinery	B-908-F (F O or S W)	X	B
6-141-3	B-2 Boilers&Machinery	B-909-F (F O or S W)	X	B
6-142-2	B-615-A #5 Cargo Hold	B-912-F (F O or S W)	X	B
6-142-1	B-615-A #5 Cargo Hold	B-910-F (F O or S W)	X	B
6-142-3	B-615-A #5 Cargo Hold	B-911-F (F O or S W)	X	B
6-156-2	B-615-A #5 Cargo Hold	B-912-F (F O or S W)	X	B

*Indicates a hinged and dogged oiltight manhole cover.
 #Indicates a bolted oiltight manhole cover.

DOOR AND HATCH BILL (Continued)

OILTIGHT MANHOLES

NUMBER	CONNECTING SPACES		C L A S S	D I V
	2nd PLATFORM			
6-156-1	B-615-A #5 Cargo Hold	B-911-F (F O or S W)	X	B
6-157-[P]	B-615-A #5 Cargo Hold	B-910-F (F O or S W)	X	B
6-158-2	B-4 Motor Room	B-914-F (F O or S W)	X	B
6-158-1	B-3 Motor Room	B-913-F (F O or S W)	X	B
6-170-2	B-4 Thrust Recess	B-914-F (F O or S W)	X	B
6-170-1	B-4 Thrust Recess	B-913-F (F O or S W)	X	B
6-101	B-1 Boiler& Machine	B-1 (Lub Oil Sump)	X	M
6-137	B-2 Boiler& Machine	B-2 (Lub Oil Sump)	X	M
	<u>1st PLATFORM</u>			
5-60-6	A-503-A Dry Stores	A-904-F (F O or S W)	X	B
5-76-2	A-503-A Dry Stores	A-904-F (F O or S W)	X	B
5-76-1	A-503-A Dry Stores	A-905-F (F O or S W)	X	B
5-95(S)	8'3" Level (Cofferdam Flat)	A-909-F Cofferdam	X	R
5-113-6	B-504-V Top of Cofferdam #2	B-606-F Diesel	X	M
5-119-6	B-504-V Top Of Cofferdam #2	B-606-F Diesel	X	M
5-113-8	B-504-V Cofferdam #2	B-608-F (F O)	X	B
5-113-4	B-504-V Cofferdam #2	B-604-F (F O Settling)	X	B
5-113-3	B-503-V Cofferdam #2	B-607-F (F O)	X	B
5-114-S	B-503-V Cofferdam #2	B-605-F (F O Settling)	X	B
5-119-4	B-504-V Cofferdam #2	B-604-W (F O Settling)	X	B

*Indicates a hinged and dogged oiltight manhole cover.

#Indicates a bolted oiltight manhole cover.

DOOR AND HATCH BILL (Continued)

OILTIGHT MANHOLES

NUMBER	CONNECTING SPACES	C L A S S	D I V
<u>1st PLATFORM</u>			
5-119-5	B-503-V Cofferdam #2 B-607-W (F O)	X	B
5-119-3	B-503-V Cofferdam #2 B-605-F (F O Settling)	X	B
5-121-6	B-504-V Cofferdam #2 B-614-F (F O)	X	B
5-121-4	B-504-V Cofferdam #2 B-612-F (F O Settling)	X	B
5-121-5	B-503-V Cofferdam #2 B-613-F (F O)	X	B
5-121-3	B-503-V Cofferdam #2 B-611-F (F O Settling)	X	B
5-126-4	B-504-V Cofferdam #2 B-614-F (F O)	X	B
5-126-4	B-504-V Cofferdam #2 B-612-F (F O Settling)	X	B
5-126-5	B-503-V Cofferdam #2 B-613-F (F O)	X	B
5-126-3	B-503-V Cofferdam #2 B-611-F (F O Settling)	X	B
5-126-2	B-603-V Cofferdam #1 B-610-W (F W Potable)	X	H
5-126-1	B-603-V Cofferdam #1 B-609-N (F W Potable)	X	R
5-180-2	C-502-A Passageway C-903-F (F O or S W)	X	B
3-180-1	C-502-A S D Stores C-903-F (F O or S W)	X	B
5-182(S)	C-502-A S D Stores C-904-F (F O or S W)	X	B
5-194(P)	C-502-A S D Stores C-904-F (F O or S W)	X	B
5-195(S)	C-503-A Passageway C-905-F (F O or S W)	X	B
5-200(P)✓	C-504-E Fire Pump Room C-906-V Cofferdam	X	R
<u>4th DECK</u>			
4-112-2	B-405-A Troops Bakery B-603-V Cofferdam	X	R
4-112-3	B-405-A Troops Galley B-503-V Cofferdam	X	R

*Indicates a hinged and dogged oiltight manhole cover.

#Indicates a bolted oiltight manhole cover.

DOOR AND HATCH BILL (Continued)

OILTIGHT MANHOLES

NUMBER	CONNECTING SPACES		C L A S S	D I V
	<u>4th DECK</u>			
4-124-1	B-405-A Troops Galley	B-503-V Cofferdam	X	R
	Stores			
4-127-4	B-405-A Bread Room	B-504-V Cofferdam	X	R
4-112-1	B-405-A Troop Galley	B-504-V Cofferdam	X	R
4-127-2	B-405-A Troop Galley	B-603-V Cofferdam	X	R
4-99(P)	B-402-E	B-402-E Lub Oil Settling	X	M
4-140(S)	B-2 Engine Room	B-402-E Lub Oil Storage	X	M
4-102(P)	B-402-E	B-402-E Lub Oil Settling	X	M
4-138(S)	B-2	B-409-E Lub Oil Storage	X	M
*Indicates a hinged and dogged W. T. manhole cover. #Indicates a bolted W. T. manhole cover.				

DOOR AND HATCH BILL (Continued)

WATERTIGHT LINEHOLES

NUMBER	CONNECTING SPACES	CLAS S	DIV
	<u>2nd PLATFORM (HOLD)</u>		
6-78-2	A-610-AE Fruit&Vegetables A-910-V Oscillator Compt.	X	S
	<u>1st PLATFORM</u>		
5-60-4	A-503-A Dry Stores A-608-F (F W Wash.)	X	R
5-60-2	A-503-A Provision Issue Room A-606-F (F W Wash.)	X	R
5-60-5	A-503-A Dry Stores A-905-F (F W Wash.)	X	R
5-60-3	A-503-A Dry Stores A-607-W (F W Wash.)	X	R
5-60-1	A-503-A Dry Stores A-606-W (F W Wash.)	X	R
5-77-2	A-503-A Post Exchange Stores A-609-W (F W Wash.)	X	R
5-77-4	A-503-A Dry Stores A-609-W (F W Wash.)	X	R
5-77-1	A-503-A Dry Stores A-607-W (F W Wash.)	X	R
5-113-2	B-603-V Cofferdam #1 B-602-W (F W Potable)	X	B
5-113-1	B-603-V Cofferdam #1 B-601-W (F W Potable)	X	B
5-119-2	B-603-V Cofferdam #1 B-602-W (F W Potable)	X	B
5-119-1	B-603-V Cofferdam #1 B-601-W (F W Potable)	X	B
5-121-2	B-603-V Cofferdam #1 B-601-W (F W Potable)	X	B
5-121-1	B-603-V Cofferdam #1 B-609-W (F W Potable)	X	B
5-119-8	B-603-V Cofferdam #1 B-608-W (F W Potable)	X	B
5-166-2	C-501-A Armory B-618-W (F W Wash.)	X	R
5-166-1	C-501-A Main Issue Room B-619-W (F W Wash.)	X	R

*Indicates a hinged and dogged W. T. Manhole cover.

#Indicates a bolted W. T. manhole cover.

DOOR AND HATCH BILL (Continued)

WATERTIGHT MANHOLES

WATERIGHT MANHOLES				
NUMBER	CONNECTING SPACES		C L A S S	D I V
	<u>1st PLATFORM</u>			
5-179-2	C-501-A Clothing&Small Stores	B-618-W (F W Wash.)	X	R
5-179-1	C-501-A Main Issue Room	B-619-W (F W Wash.)	X	R
	<u>4th DECK</u>			
4-18	A-402-L Troop Berthing	A-401-A Chain Locker	X	1
4-110(P)	B-404-W Feed Tank	B-404-W Feed Water	X	B
4-129(S)	B-407-W Feed Tank	B-407-W Feed Water	X	B
4-158-L	C-402-L Troop Berthing	B-616-W (F W Wash.)	X	B
4-158-1	C-402-L Troop Berthing	B-617-W (F W Wash.)	X	B
4-165-1	C-402-L Troop Berthing	B-617-W (F W Wash.)	X	B
4-165-2	C-402-L Troop Berthing	B-616-W (F W Wash.)	X	B
4-214(P)	C-406-E,S G Flap	C-1-W Aft Peak	X	R
	<u>3rd DECK</u>			
3-11-1	A-301-A Bos'n Stores	A-1-W Fwd Peak Tank	X	R
	<u>2nd DECK</u>			
2-83(S)	B-201-L Troop Berthing	B-201-L Wire Trunk	X	1
	<u>FLYING BRIDGE</u>			
X 04-84-2	Director-Foundation	Flying Bridge	X	1
X 04-84-1	Director-Foundation	Flying Bridge	X	1

*Indicates a hinged and dogged W. T. manhole Cover.

#Indicates a bolted W. T. manhole Cover.

XBolted and Hinged.

DOOR AND HATCH BILL (Continued)

NON-WATERTIGHT MANHOLES

NUMBER	CONNECTING SPACES	CLASS	DIV
<u>4th DECK</u>			
X 4-19(P)	A-402-L Troop Berthing A-601-A Cargo Hold	X	1
X 4-42(P)	A-403-L Troop Berthing A-605-A Cargo Hold	X	1
X 4-157(S)	C-401-L Troop Berthing B-615-A Cargo Hold	X	2
<u>3rd DECK</u>			
X 3-164-2	C-301-L Tailor Shop B-402-L Troop Berthing	X	2
<u>MAIN DECK</u>			
X 1-66(S)	C-101-L(Above From Deck) A.105-L (Vent Trunk)	X	1
<u>NAVIGATION BRIDGE</u>			
X 03-97(P)	B-1 Smoke Stack 33' $\frac{1}{2}$ " Above Nav. Bridge.	X	B
X 03-127 (S)	B-1 Smoke Stack 35' $\frac{1}{2}$ " B-2 Smoke Stack above Nav. Bridge	X	B

X RNT Hinged-Operated above and below.
X RNT Hinged.

SOUNDING TUBE CAPS.

CONNECTING SPACES.

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NUMBER

HOLD DECK

6-18-1✓	A-610-AE	Regrig. Stores	A-607-W#12 FW (S)	X	B
6-78-2✓	A-610-AE	" "	A-606-W#10 F.W. E	X	B
6-78-4✓	A-610-AE	" "	A-609-W #11 F.W. E	X	B
6-78-6	A-610-AE	" "	A-608-W #12 F.W. (P)	X	B
6-98-1 B-1		For'd Mach. Spaces	A-909-F #4 F.O. (S)	X	B
6-98-2 B-1		" " "	A-907-F #4 F.O. E	X	B
6-98-4 B-1		" " "	A-908-F #4 F.O. (P)	X	B
6-111-1 B-1		" " "	B-901-F #5 F.O. (S)	X	B
6-111-2 B-1		" " "	B-903-F #5 F.O. E	X	B
6-111-3 B-1		" " "	Machinery Spaces (S)	X	B
6-111-4 B-1		" " "	B-902-F #5 F.O. (P)	X	B
6-111-6 B-1		" " "	Machinery Spaces (P)	X	B
6-112-1 B-1		" " "	B-609-W #13 F.W. (S)	X	B
6-112-2 B-1		" " "	B-610-W #13 F.W. (P)	X	B
6-128-1 B-2		Aft. Mach. Space	B-906-F #6 F.O. E	X	B
6-128-2 B-2		" " "	B-904-F #6 F.O. (P)	X	B
6-128-3 B-2		" " "	B-905-F #6 F.O. (S)	X	B
6-141-1 B-2		" " "	B-907-F #7 F.O. E	X	B
6-141-2 B-2		" " "	B-908-F #7 F.O. (P)	X	B
6-141-3 B-2		" " "	B-909-F #7 F.O. (S)	X	B
6-141-4 B-2		" " "	B-2 Aft. Machinery Space (P)	X	B
6-141-5 B-2		" " "	B-2 Aft. Machinery Space (S)	X	B
6-158-1 B-3		Motor Room	B-617-W #19 F.W. (S)	X	B
6-158-2		" "	B-616-W #19 F.W. (P)	X	B
6-165-1 B-3		" "	B-619-W #20 F.W. (S)	X	B
6-165-1 B-3		" "	B-619-W #20 F.W. (S)	X	B
6-165-2 B-4		" "	B-618-W #20 F.W. (P)	X	B
6-171-1 B-3		" "	B-913-F #9 F.O. and Bal.	X	B
6-171-2 B-4		" "	B-914-F #9 F.O. and Bal.	X	B
6-171-3 B-3		" "	Machinery Spaces (S)	X	B
6-171-4 B-4		" "	Machinery Spaces (P)	X	B

5-128-1 B-2 Engineroom
5-128-2 B-2 "

1st Flat.

B-601-W #16 F.W. (S) X B
B-602-W #16 F.W. (P) X B

4th DECK

4-127 B-405-A Troops Galley B-603-V Cofferdam X R
4-213 C-406-E " " B-603-V Cofferdam X R

2nd DECK

2-32-2 B-201-L Troops W.C. & W.R. A-601-A #1 Hold X R
2-41-1 B-201-L " " " A-604-M Ammn. Spaces - S X R
2-41-2 B-201-L " " " A-901-F #1 F.O. Tk. X B
2-41-4 B-201-L " " " A-604-M Ammn. Spaces - P X R

2nd DECK Cont'd.

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2-59-1	B-201-L	Troops Berthing	A-903-F #2 F.O. Tk's.	X	B
2-59-2	B-201-L	" "	A-902-F #2 F.O. Tk. (P)	X	B
2-59-3	B-201-L	" "	A-605-A #2 Hold S	X	R
2-59-4	B-201-L	" "	A-605-A #2 Hold P.	X	R
2-77-1	B-201-L	Fan Room	A-906-F #3 F.O. E	X	B
2-77-2	B-201-L	Troop Berthing	A-904-F #3 F.O. P.	X	B
2-77-3	B-201-L	" "	A-905-F #3 F.O. S	X	B
2-77-4	B-201-L	" "	A-503-A #3 Hold (P)	X	R
2-77-6	B-201-L	" "	A-503-A #3 Hold (S)	X	R
2-97-1	B-201-L	" "	A-610-AE Re-grig. Machine Room (S)	X	R
2-97-2	B-201-L	" "	A-611-M, 20MM 1.1 Mag.	X	R
2-112-1	B-201-2	Cafeteria	B-605-F, #14 F.O. Settling	X	B
2-112-2	B-201-L	"	B-604-F #14 F.O. Settling	X	B
2-112-3	B-201-L	"	B-607-F #15 F.O. Seep Tk.	X	B
2-112-4	B-201-L	"	B-606-E Diesel Oil (P)	X	M
2-112-6	B-201-L	"	B-608OF #15 F.O. Deep Tk.	X	B
2-127-1	B-201-L	"	B-611 F #17 F.O. Settling	X	B
2-127-2	B-201-L	"	B-614-F #18 F.O. Deep Tk.	X	B
2-127-3	B-201-L	"	B-613-F #18 F.O. Deep Tk.	X	B
2-127-4	B-201-L	Cafeteria	B-612-F #17 F.O. Settling	X	B
2-141-1	B-201-L			X	B
2-141-2	B-201-L			X	B
2-141-4	B-201-L			X	B
2-157-1	B-201-L	Troop Berthing	B-615-A #5 Hold (S)	X	R
2-157-2	B-201-L	" "	B-615-A #5 Hold (P)	X	R
2-179-1	B-201-L	" "	C-903-F #21 F.O. or Ball. E	X	B
2-179-2	B-201-L	" "	C-501-A #6 Hold (P)	X	R
2-179-3	B-201-L	" "	C-501-A #6 Hold (S)	X	R
2-194-1	B-201-L	Fan Room	C-904-F #22 F.O. or Bal.	X	B
2-194-2	B-201-L	Troop Berthing	C-502-A #7 Hold (P)	X	R
2-194-3	B-201-L	" "	C-502-A #7 Hold (S)	X	R
2-196-2	B-201-L	" "	C-905-F #23 F.O. or Bal.	X	B
2-201-2	B-201-L	" "	C-504-A #8 8 Hold	X	R
2-212-2	B-201-L	" "	C-506-M 5" 38 Mag.	X	R

MAIN DECK

1-16-1	A-101-A	Passage way	A-1-W Fore Peak	X	R
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CHAPTER II

VENTILATION BILL

The Ventilation Bill is written to include all power supply and exhaust systems, natural supply and exhaust systems, with a list of all closure fittings and devices.

7052
A. All power driven blowers, both supply and exhaust are located in fan rooms. Seven of these blower rooms contain supply and exhaust blowers ventilating living spaces and holds, and four blower rooms ventilate the forward and after machinery spaces and the port and starboard motor rooms. There are a total of 32 power supply and 20 power exhaust blowers. In addition to these blowers there are seven exhaust propellor fans servicing the Radar, Windlass and Radio Rooms. Blowers and vent systems are so arranged and located that main transverse bulkheads are not pierced by vent piping.

B. ~~Upon sounding of the gas alarm or other emergency~~ all blowers can be stopped at the forward and after distribution boards in the forward and after engine rooms. ~~In emergency~~ all blowers except those servicing the main machinery compartments can be stopped by pushbutton at a panel in the Fire Control Room on the Navigating Bridge abaft the Wheelhouse.

C. Rocker type switches and relay panels for starting and stopping are located at each blower. Blowers secured by pushbutton in the Fire Control Room, or at the distribution boards in the forward and after engine rooms must be reset and started at the blower.

D. Magazine ventilation consists of power supply and natural exhaust. Exhaust trunks terminate in compartments on the second deck.

E. There are no watertight or airtight covers for the blower room screens on the weather decks. Natural vents, located on the tops of booby hatches are provided with hand-operated, screwdown, water-tight covers.

F. Supply ducts in compartments have dampers which can be used to control the flow of air or as "fire dampers".

Following is a list of all power driven blowers, supply and exhaust, closure fittings and weather deck openings.

VENTILATION BILL (continued)

VENTILATION CLOSURE FITTINGS

LOCATION	FITTING NUMBER	TYPE & SIZE	IN SYSTEM NUMBER	FUNCTION	C L A S S	D I V
2nd Deck Forward Troop's W.R. & W.C.	2-38-1	7" Gate Valve	Natural Exhaust	Cuts out exhaust from Stbd. 5" 38 Mag. Fwd. A-603-M	Z	
2nd Deck Forward Troop's W.R. & W.C.	2-39-2	11" Gate Valve	1-40 Supply	Cuts out supply vent for Port 5" 38 Mag. & Projectile Room A-502-M	Z	
2nd Deck Forward Troop's W.C. & W.R.	2-39-1	4" Gate Valve	1-37-1 Supply	Cuts out supply vent to Small Arms, fwd. A-502-M	Z	
2nd Deck Forward Troop's W.C. & W.R.	2-41-1	4½" Gate Valve	1-41-1 Exhaust	Cuts out exhaust from A-501-M	Z	
2nd Deck Post Office	2-97-1	8½" Gate Valve	1-95 Supply	Cuts out supply to 1.1 and 20 MM Mag. A-611-M	Z	
C-901-E Frame 171 Shaft Alley.	6-171-1	5" Gate Valve	5-165-1 Supply	Cuts out supply to port and stbd. Shaft Alleys C-901-E, C-902-E	Z	
C-902-E Frame 172 Shaft Alley.	6-172-2	3" Gate Valve	5-165-2 Supply	Cuts out supply to port Shaft Alley C-902-E.	Z	
2nd Deck Aft Troop's Berthing.	2-301-2	6½" Gate Valve	2-194-2 Supply	Cuts out supply to port 5" 38 Powder Mag. aft C-505-M.	Z	
2nd Deck Aft Troop's Berthing.	2-204-1	9" Gate Valve	Natural Exhaust	Cuts out exhaust from aft, stbd. 5" 38 Mag. C-505-M.	Z	
2nd Deck aft Troop's Berthing.	2-206-2	10" Gate Valve	Natural Exhaust	Cuts out exhaust from port 5" 38 Projectile Handling Rm. aft. A-506-M	Z	
2nd Deck Aft Troop's W.R.	2-207-2	8" Gate Valve	2-194-2	Cuts out supply vent to stbd. 5" 38 Powder Mag. Aft. A-506-M	Z	

VENTILATION BILL (continued)

VENTILATION BLOWERS

LOCATION OF BLOWER	SYSTEM	COMPARTMENTS VENTILATED	C L A S S	D I V
Bridge Deck, No. 2 Stack	03-133 Exhaust	3rd Deck, Frame 123-142	Z	
Radar Room	03-91 Exhaust	4th Deck Troop Galley	Z	
Radio Room	02-93 Exhaust	Nav. Bridge Radar Room Fr. 92-94	Z	
Bridge Deck	02-95 Sup.	Bridge Deck Radio Room.	Z	
Bridge Deck	02-96-1	Trash Burner, Frame 94-98	Z	
Bridge Deck	02-104-1 Supply	Battery Room, Frame 158-166	W	
Bridge Deck	02-104-2 Supply	No. 1 Machinery Space.	W	
Bridge Deck	02-133-1 Supply	No. 1 Machinery Space	W	
Bridge Deck	02-133-2 Supply	No. 2 Machinery Space	W	
Boat Deck	01-88-1 Supply	No. 2 machinery Space	Z	
Boat Deck	01-88-2 Supply	Nav. Bridge Frame 58-125	Z	
Boat Deck	01-89 Exhaust	Bridge Deck Frame 58-125	Z	
Boat Deck	01-108 Supply	Boat Deck Frame 58-125	Z	
Boat Deck	01-110 Exhaust	Main Deck Frame 58-125	Z	
Boat Deck	01-133-1 Supply	Boat Deck Frame 61-106	Z	
Boat Deck	01-133-2 Exhaust	Bridge Deck Frame 61-106	Z	
Boat Deck	01-138 Exhaust	Bridge Deck Frame 103-140	Z	
Boat Deck	01-168-1 Exhaust	Boat Deck Frame 103-140	Z	
Boat Deck	01-168-2 Exhaust	Main Deck Frame 103-140	Z	
Boat Deck	01-133-2 Exhaust	Boat Deck Frame 97-133	Z	
Boat Deck	01-138 Exhaust	Main Deck Frame 97-133	Z	
Boat Deck	01-168-1 Exhaust	Main Deck Frame 125-173	Z	
Boat Deck	01-168-2 Exhaust	Hospital Spaces Frame 125-173	Z	
Boat Deck	01-133-2 Exhaust	Boat Deck Frame 125-173	Z	
Boat Deck	01-138 Exhaust	Main Deck Frame 125-166	Z	
Boat Deck	01-168-1 Exhaust	Hospital Spaces Frame 125-166	Z	
Boat Deck	01-168-2 Exhaust	Boat Deck Frame 136-140	Z	
Boat Deck	01-133-2 Exhaust	Boat Deck Radar Room Frame 164-170	Z	
Boat Deck	01-138 Exhaust	Boat Deck Radar Room Frame 164-170	Z	

VENTILATION BILL (continued)

VENTILATION BLOWERS			C L A S S	D I V
LOCATION OF BLOWER	SYSTEM	COMPARTMENTS VENTILATED		
Resistor Room	1-19 Exhaust	Anchor Windless Resistor Room Frame 58-65	Z	
Fan Room No. 5	1-37-1 Exhaust	2nd Deck Frame 18-45	Z	
Fan Room No. 5	1-37-2 Supply	3rd Deck Frame 18-45	Z	
Resistor Room	1-58-1 Exhaust	4th Deck Frame 42-60	Z	
Fan Room No. 5	1-39 Supply	No. 2 Hold Frame 42-60	Z	
Fan Room No. 5	1-40 Supply	Winch Resistor Room Frame 58-65	Z	
Fan Room No. 5	1-42-1 Supply	4th Deck Frame 18-42	Z	
Fan Room No. 5	1-42-2 Exhaust	Main Deck Frame 18-44	Z	
Radar Room	1-58-2 Exhaust	1st Plat. Frame 18-44	Z	
Main Deck	1-95 Supply	No. 1 Hold Frame 18-44	Z	
Main Deck Decontamination Room.	1-192 Supply	2nd Deck Frame 42-60	Z	
Main Deck	1-153 Exhaust	3rd Deck Frame 42-60	Z	
Fan Room No. 7	2-74-1 Supply	4th Deck Frame 42-60	Z	
Fan Room No. 7	2-74-3 Exhaust	Radar Room Frame 58-65	Z	
Fan Room No. 7	2-74-2 Supply	3rd Deck Frame 78-98	Z	
Fan Room No. 7	2-77-1 Exhaust	Decontamination Room Frame 139-202	Z	
		Radar Room Frame 151-154	Z	
		4th Deck Frame 60-78	Z	
		1st Platform Frame 60-78	Z	
		2nd Deck Troop Berth Fr. 60-78	Z	
		3rd Deck Troop Berth Fr. 60-78	Z	
		4th Deck Troop Berth Fr. 60-78	Z	
		Main Deck Frame 60-78	Z	
		2nd Deck Frame 60-78	Z	
		3rd Deck Frame 60-78	Z	
		2nd Deck Frame 78-98	Z	
		3rd Deck Frame 78-98	Z	
		1st Platform Frame 78-98	Z	
		Refrigerator Space Frame 78-98	Z	

VENTILATION BILL (continued)

VENTILATION BLOWERS

LOCATION OF BLOWER	SYSTEM	COMPARTMENTS VENTILATED	C L A S S	D I V
Fan Room No. 7	2-77-2 Exhaust	2nd Deck Frame 78-98 3rd Deck Frame 78-98 1st Plat Frame 78-98 Refrigerator Space Frame 78-98 2nd Deck Frame 78-98	Z	
Fan Room No. 7	2-77-4 Supply		Z	
Fan Room No. 8	2-120 Supply	2nd Deck Frame 98-122 3rd Deck Frame 98-122 4th Deck Frame 98-122	Z	
Fan Room No. 8	2-122	2nd Deck Frame 98-128 3rd Deck Frame 98-128 4th Deck Frame 98-128	Z	
Fan Room No. 8	2-123 Supply	4th Deck Frame 112-128 Troop's Galley Frame 112-128	Z	
Fan Room No. 8	2-124-1 Exhaust	3rd Deck Frame 112-128 4th Deck Frame 112-128 Galley and Pantry Frame 112-128	Z	
Fan Room No. 8	2-124-2 Supply	3rd Deck Frame 112-128	Z	
2nd Deck	2-145 Supply	No. 5 Hold Frame 142-158	Z	
2nd Deck	2-146-1 Supply	3rd Deck Frame 128-142 4th Deck Frame 128-142	Z	
2nd Deck	2-146-2 Supply	Main Deck Frame 128-157	Z	
2nd Deck	2-146-3 Supply	3rd Deck Frame 142-166 4th Deck Frame 142-166	Z	
2nd Deck	2-148-1 Exhaust	2nd Deck Frame 142-148 3rd Deck Frame 142-158	Z	
2nd Deck	2-148-2 Exhaust	Main Deck Frame 142-166 2nd Deck Frame 142-166 4th Deck Frame 142-166	Z	
2nd Deck	2-167 Exhaust	2nd Deck Frame 148-180 3rd Deck Frame 148-180 4th Deck Frame 148-180	Z	
2nd Deck	2-168-1 Supply	2nd Deck Frame 160-180 3rd Deck Frame 160-180 4th Deck Frame 160-180 1st Plat. Frame 160-180 Motor Room Frame 160-180	Z	

VENTILATION BILL (continued)

VENTILATION BLOWERS

LOCATION OF BLOWER	SYSTEM	COMPARTMENTS VENTILATED	C L A S S	D I V
2nd Deck	2-168-2 Supply	2nd Deck Frame 148-169 4th Deck Frame 148-169	Z	
2nd Deck	2-168-4 Exhaust	2nd Deck Frame 148-180 3rd Deck Frame 148-180 4th Deck Frame 148-180	Z	
• 2nd Deck	2-192-1 Supply	4th Deck Frame 180-195 1st Plat. Frame 180-195	Z	
Fan Room No. 11	2-192-2 Supply	2nd Deck Frame 180-195 3rd Deck Frame 180-195	Z	
Fan Room No. 11	2-192-4 Exhaust	2nd Deck Frame 180-195 3rd Deck Frame 180-195 4th Deck Frame 180-195	Z	
Fan Room No. 11	2-194-1 Exhaust	2nd Deck Frame 195-230 3rd Deck Frame 195-230 4th Deck Frame 195-230	Z	
Fan Room No. 11	C-503-A 2-194-2 Supply	5 2nd Deck Frame 195-213 3rd Deck Frame 195-213 4th Deck Frame 195-213 1st Plat Frame 195-213	Z	
Motor Room	C-503-A C-504-E 5-165-1 Supply	Motor Room Frame 158-166	W	
Motor Room	5-165-2 Supply	Motor Room Frame 158-166	W	

WEATHER DECK CLOSURES

COVER No.	DISCRIPTION OPENING	TYPE&SIZE COVER LID	SUPPLY VENTILATION SYSTEM					
			COMPTS SUPPLIED (TO)	NATURAL OR FORCED DRAFT	BLOWER MOTOR SYSTEM	FAN ROOM	CLASSIFICATION	DIV. RESP.
04-85 C/L	Gooseneck	3-(76"x61") (canvas)	A-0301-M A-0302-M A-0304-M A-0201-LC A-0101-M A-0103-M A-104-L	Force Draft	01-88-1	No. 2	Z	R-1
03-97-(P)			B-201-L A-305-L A-405-L A-504-A A-610-AE	Force Draft	1-95	NO. 6	Z	R-1
02-93(S)	Hole in Bulkhead	16"x16" Fire Damper	A-0201-LC	Force Draft	02-95	Propeller	Z	R-1
02-106-1	Hole in Bulkhead	(73"x71") (Canvas)	B-1	Force Draft	02-104-1	#1A	Z	R-1
02-106-2	Hole in Bulkhead	(73"x71") (Canvas)	B-1	Force Draft	02-104-2	#1A	Z	R-1
02-107-(P)	Louver Panels	2-(61"x51") (Canvas)	B-0201-M B-0202-M B-0203-M B-0204-M B-0205-L B-0206-M	Force Draft	01-108	NO. 3	Z	R-1
02-120(S)	Exhaust Hood	45" Dia. Canvas	B-201-L	Force Draft	2-122	NO. 8	Z	R-1
02-124-C/L	Louver Panels	2-(76"x61") 1-(102"x76") (Canvas)	B-201-L B-301-L B-401-L B-405-L B-304-L	Force Draft	2-120 2-123-1 2-124-2	NO. 8	Z	R-1

WEATHER DECK CLOSURES

SUPPLY VENTILATION SYSTEM

COVER NO.	DISCRIPTION OPENING	TYPE&SIZE COVER LID	COLPITS SUPPLIED (TO)	NATURAL OR FORCE DRAFT	BLOWER MOTOR SYSTEM	FAN ROOM	CLASSIFICATION	DIV. RESP.
02-136-1	Hole in Bulkhead	71"x89" (Canvas)	B-2	Force Draft	02-133-1	#1B	Z	R-1
02-136-2	Hole in Bulkhead	71"x73" (Canvas)	B-2	Force Draft	02-133-2	#1B	Z	R-1
02-136-3	Hole in Bulkhead	86"x77" (Canvas)	C-0101-A C-0102-A A-104-L	Force Draft	01-133-1	NO. 4	Z	R-1
01-2(S)	Cowl	12" Dia. (Wood Plug)	A-201-A A-301-A	Natural			Z	R-1
01-3(P)	Cowl	15" Dia. (Wood Plug)	A-201-A A-301-A	Natural			Z	R-1
01-9(S)	Cowl	7" Dia. (Wood Plug)	A-101-A	Natural			Z	R-1
01-18(S)	Cowl	7" Dia. (Wood Plug)	A-101-A	Natural			Z	R-1
01-73-1	Louver Panels	2-(61"x51") (Canvas)	A-404-L A-503-A A-504-A	Force Draft	2-77-1 2-74-1	NO. 7	Z	R-1
01-73-2	Louver Panels	2-(102"x84") (82"x76") (Canvas)	A-104-L B-201-L A-304-L	Force Draft	2-74-2	NO. 7	Z	R-1

WEATHER DECK CLOSURE

SUPPLY VENTILATION SYSTEM

COVER LID	DISCRIPTION OPENING	TYPE&SIZE COVER LID	COMPTS SUPPLIED (TO)	NATURAL OR FORCE DRAFT	BLOWER MOTOR SYSTEM	FAN ROOM	CLASSIFICATION	DIV. RESP.
01-142-(S)	Louver Panel	4-(76"x71") (Canvas)	C-301-L B-401-L B-201-L A-104-L	Force Draft	2-146-1 2-146-3	NO. 9	Z	R-1
01-143(P)	Louver Panels	2-(61"x51") 1-(61"x75")	A-104-L B-201-L C-301-L B-615-A	Force Draft	2-145 2-146-2	NO. 9	Z	R-1
1-43-(P)	Hole in Bulkhead	84"x36" (Canvas)	B-201-L A-302-L A-303-L A-402-L A-403-L A-602-E	Force Draft	1-39 1-40 1-37-2 1-42-1	NO. 5	Z	R-1
1-153-(P)	Light Exclud. Hood	12"x8" Metal	Radar Room	Force Draft	1-153-2	Propeller	Z	R-1
1-165(S)	Hood on Bulkhead	46"x36" (Canvas)	C-901-E C-902-E	Force Draft	5-165-1 5-165-2	Aft Engine Room	Z	R-1
1-166-1	Hole in bulkhead Louver Panel	46"x36" (Canvas)	B-201-L C-304-L C-403-L C-501-A	Force Draft	2-168-1	NO. 10	Z	R-1
1-166-2	Hole in Bulkhead	46"x36" (Canvas)	B-201-L A-402-L	Force Draft	2-168-2	NO. 10	Z	R-1
1-188(S)	Hood on Bulkhead	24"x20" (Metal)	C-101-L	Force Draft	1-192	C-101-L	Z	R-1

WEATHER DECK CLOSURES

SUPPLY VENTILATION SYSTEM

COVER NO.	DISCRPTION OPENING	TYPE&SIZE COVER LID	COMPTS SUPPLIED (TO)	NATURAL OR FORCED DRAFT	BLOWER MOTOR SYSTEM	FAN ROOM.	CLASSI- FICATION	DIV. RESP.
1-191-1	Louver Panel	3-(32"x55") (Canvas)	C-305-L C-404-L C-502-A	Force Draft	2-192-1	NO. 11	Z	R-1
1-191-2	Louver Panel	2-(123"x102") 2-(102"x41")	B-201-L A-201-L C-101-M C-305-L C-306-L C-405-L	Force Draft	2-192-2 2-194-2	NO. 11	Z	R-1
1-218-1	Cowl	8" Dia. (Wood Plug)	C-406-E	Natural			Z	R-1
1-218-2	Cowl	8" Dia. (Wood Plug)	C-406-E	Natural			Z	R-1

WEATHER DECK CLOSURES

EXHAUST VENTILATION SYSTEM

COVER NO.	discription opening	TYPE&SIZE COVER	COMPTS EXHAUST	NATURAL Or FORCE DRAFT	BLOWER MOTOR SYSTEM	FAN HOOD	CLASS.	DIV.
04-89(P)	Exhaust Hood	34" Dia. (Canvas)	A-0201-LC A-0103-L A-104-L	Force Draft	01-89	NO. 2	Z	R-1
03-92(S)	Light Exclud. Hood	16"x11" (Metal)	A-0301-C	Force Draft	03-91	Propeller	Z	R-1
03-97(S)	Gooseneck	5" Dia. (Metal)	A-0201-LC	Natural			Z	R-1
02-101-1	Light Exclud. Hood	9"x7" (Metal)	B-0201-M	Natural			Z	R-1
02-101-2	Light Exclud. Hood	9"x7" (Metal)	B-C202-M	Natural			Z	R-1
02-115(S)	3 Sided Hood	92"x24" (Canvas)	A-0103-L A-104-L	Natural			Z	R-1
02-118-1	Light Exclud. Hood	11"x7" (Metal)	B-0203-M	Natural			Z	R-1
02-118-2	Light Exclud. Hood	11"x7" (Metal)	B-0204-M	Natural			Z	R-1
01-9(P)	Goosneck	7" Dia. (Metal)	A-101-A	Natural			Z	R-1
01-19(S)	Goosneck	7" Dia. (Metal)	A-101-A	Natural			Z	R-1
01-65(S)	R&S Proof Vent	15" Dia. (Metal)	A-104-L	Natural			Z	R-1
01-68-1	R&S Proof Vent	21" Dia. (Metal)	A-104-L	Natural			Z	R-1
01-68-2	R&S Proof Vent	24" Dia. (Metal)	A-104-L	Natural			Z	R-1
01-68-3	Coaming	8" Dia. (Metal)	A-0102-M	Natural			Z	R-1
01-68-4	Coaming	8" Dia. (Metal)	A-0103-M	Natural			Z	R-1
01-71(P)	R&S Proof Vent	15" Dia. (Metal)	A-104-L	Natural			Z	R-1

WEATHER DECK CLOSURES

EXHAUST VENTILATION SYSTEM

COVER NO.	DESCRIPTION OF OPENING	TYPE&SIZE COVER LID	COL. PTS EXHAUSTED	NATURAL OR FORCE DRAFT	BLOWER MOTOR SYSTEM	FAN ROOM	CLASS.	DIV. RESP.
01-77-1	Hole in Bulkhead	48"x30" (Canvas)	B-201-L A-304-L A-404-L A-405-L	Force Draft	2-77-1	NO. 7	Z	R-1
01-77-2	Hole in Bulkhead	33"x30" (Canvas)	B-201-L A-304-L A-504-L A-610-AE	Force Draft	2-77-2	NO. 7	Z	R-1
01-147(P)	Double Hood	2-(42"x30") (Fire Damp)	A-104-L B-201-L C-301-L	Force Draft	2-148-2 2-148-1	NO. 9	Z	R-1
01-149(P)	R&S Proof Vent	15" Dia. (Metal)	A-104-L B-201-L C-301-L C-401-L	Natural			Z	R-1
01-156(S)	Hole in Trunk	18"x12" (Metal)	A-104-L B-201-L C-301-L C-401-L	Natural			Z	R-1
01-164-1	Light Exclud. Hood	11"x7" (Metal)	C-0101-M	Natural			Z	R-1
01-164-2	Light Exclud. Hood	11"x7" (Metal)	C-0102-M	Natural			Z	R-1
01-166-2	R&S Proof Vent	48"x30" (Metal)	B-201-L C-304-L C-402-L C-403-L C-501-A	Force Draft	2-168-2	NO. 10	Z	R-1
01-166-1	R&S Proof Vent	53"x24" (Metal)	B-201-L C-304-L C-402-L C-403-L C-501-A	Force Draft	2-167-1	NO. 10	Z	R-1

WATHER DECK CLOSURES

EXHAUST VENTILATION SYSTEM

GOV. R NO.	DISCRIPTION OPENING	TYPE&SIZE COVER LID	CO. PTS EXHAUSTED	NATURAL OR FORCE DRAFT	ELECTR MOTOR SYSTEM	FAN ROOM	CLASS.	DIV.
01-170-1	Light Exclud Hood	9"x7" (Metal)	C-0101-A	Natural			Z	R-1
01-170-2	Light Exclud Hood	9"x7" (Metal)	C-0102-A	Natural			Z	R-1
1-19(P)	Light Exclud Hood	18"x12" (Metal)	A-101-A	Natural			Z	R-1
1-22(S)	Hood on Trunk	15"x7" (Metal)	A-601-A	Natural			Z	R-1
1-33(P)	Gooseneck	8" Dia. (Metal)	A-602-A	Natural			Z	R-1
1-35(S)	R&S Proof Vent	24" Dia. (Metal)	E-201-L	Natural			Z	R-1
1-41(S)	R&S Proof Vent	2'6"x3'11" (Metal)	E-201-L A-302-L A-303-L A-402-L A-403-L	Force Draft	1-37-1 1-42-2	NO. 5	Z	R-1
1-43-1	Struct'l Box	9"x7" (Metal)	A-103-A	Natural			Z	R-1
1-43-2	Struct'l Box	9"x7" (Metal)	A-102-A	Natural			Z	R-1
1-55-1	R&S Proof Vent	24" Dia. (Metal)	E-201-L	Natural			Z	R-1
1-55-2	R&S Proof Vent	24" Dia. (Metal)	E-201-L	Natural			Z	R-1
1-57-1	Hood on Bulkhead	18"x16" (Fire Damper)	A-104-E Resist Rm.	Force Draft	1-58-1	Propeller	Z	R-1
1-57-2	Hood on Bulkhead	18"x13" (Fire Damper)	A-104-L Radar Rm.	Force Draft	1-58-2	Propeller	Z	R-1
1-57-3	Hood on Bulkhead	16"x12" (Fire Damper)	A-104-E Resist Rm.	Force Draft	1-58-3	Propeller	Z	R-1
1-58(S)	R&S Proof Vent	24" Dia. (Metal)	A-503-A A-605-A	Natural			Z	R-1

WEATHER DECK CLOSURES

EXHAUST VENTILATION SYSTEM

COVER NO.	DISCRIPTION OPENING	TYPE&SIZE COVER LID	COMPTS EXHAUSTED	NATURAL OR FORCE DRAFT	WLO IR MOTOR SYSTEM	FAN ROOM	CLAS.	DIV. RESP.
1-155(S)	R&S Proof Vent	15" Dia. (Metal)	A-104-L B-201-L C-301-L C-401-L	Natural			Z	R-1
1-156(P)	Hole in Trunk	18"x12" (Metal)	A-104-L B-201-L C-301-L C-401-L	Natural			Z	R-1
1-169-1	R&S Proof Vent	20" Dia. (Metal)	B-201-L C-304-L C-403-L C-501-A	Natural			Z	R-1
1-169-2	R&S Proof Vent	20" Dia. (Metal)	B-201-L C-304-L	Natural			Z	R-1
1-176-1	R&S Proof Vent	20" Dia. (Metal)	B-201-L C-304-L C-403-L C-501-A	Natural			Z	R-1
1-176-2	R&S Proof Vent	20" Dia. (Metal)	B-201-L B-304-L	Natural			Z	R-1
1-181-1	R&S Proof Vent	20" Dia. (Metal)	B-201-L C-201-L C-305-L	Natural			Z	R-1
1-181-2	R&S Proof Vent	20" Dia. (Metal)	B-201-L C-305-L C-404-L C-502-L	Natural			Z	R-1
1-187-1	R&S Proof Vent	20" Dia. (Metal)	B-201-L C-305-L C-404-L C-502-A	Natural			Z	R-1
1-187-2	R&S Proof Vent	20" Dia. (Metal)	B-201-L C-305-L	Natural			Z	R-1

LEATHER DECK CLOSURES

EXHAUST VENTILATION SYSTEM

COVER NO.	DESCRIPTION OF OPENING	TYPE & SIZE COVER LID	COMPTS EXHAUSTED	NATURAL OR FORCE DRAFT	ELECTRIC MOTOR SYSTEM	FAN ROOM	CLASS.	DIV.
1-193(S)	Hood on Bulkhead	72"x28" (Fire Damp)	B-201-L C-305-L C-306-L C-307-L C-404-L	Force Draft	2-194-1	NO. 11	Z	R-1
1-196(P)	Gooseneck	9" Dia. (Metal)	C-504-E	Natural			Z	R-1
1-201-1	R&S Proof Vent	24" Dia. (Metal)	B-201-L C-306-L C-405-L	Natural			Z	R-1
1-201-2	R&S Proof Vent	24" Dia. (Metal)	C-101-L C-306-L C-405-L C-503-L	Natural			Z	R-1
1-201-3	Light Exclud. Hood	11"x11" (Metal)	C-101-L Decontam. Rm.	Force Draft	01-92	Dryers	Z	R-1
2-232(S)	Gooseneck	12" Dia. (Metal)	C-406-L	Natural			Z	R-1

CHAPTER 11

DRAINAGE BILL

1. The purpose of this bill is to provide a list of all valves and fittings in the main, secondary, and plumbing (sanitary) drainage systems and to indicate their location and classification for material setting.

2. The main drain consists of a 14 inch suction line in each main machinery space, suction being taken by means of the 12000 GPM main circulator discharging overboard through the main condenser. (The main circulator pumps may be cross-connected so that suction can be taken from either machinery Compartment). This system is for the purpose of handling large quantities of water in the machinery Compartments only. The secondary drainage system accomadates all hold space and other compartments outside the engineering space fitted with drainage connection.

3. The main is split into two (2) separate systems, forward and aft which can however be cross-connected. An eight inch line in way of the machinery spaces runs forward and aft, reducing gradually to 3 inches as it approaches the extreme ends of the ship. Pneumatically and manually operated valves are arranged in manifolds, those for the forward section being located in the forward engine room, frame 99, port and starboard. The manifold valves for the after section of the system are located in the after engine room, frame 7. The control station for pneumatically operated valves of the forward group (forward of frame 98) is located on the second deck, frame 92, port side. The control station for the after group (aft of frame 142) is located on the second deck, frame 131 starboard. Pneumatically controlled valves cannot be operated at the valve, while manually controlled valves can be operated only in the compartments in which they are located. Compartments served by the secondary drainage system are fitted with a bilge well suitably located, in which the suction line terminates. Drainages is discharged by means of a 600 GPM portable submersible pump, and a 600 GPM bilge and ballast pump in each engine room. The steering engine room flat aft, and the Bosn's hold and chain locker forward are fitted with bilge eductors which are operated in the compartments served. The single eductor forward is fitted with a manifold so that suction may be

(Continued)

taken either from the chain locker A-2-E, or the boat-swain's locker A-201-A. Discharge is overboard through the hull. For emptying compartments not fitted with drainage connections, portable electric submersible pumps (180 GPM) may be used, augmented by () P-500 Johnson pumpers fitted with eductors, and () portable gasoline handy-billies. A circuit with 26 outlets at various places on the third deck is provided for operation of the portable electric submersible pumps. The majority of valves in the secondary drainage system are classified X-ray.

4. The sanitary (plumbing) drainage system consists of drains and fittings of various sizes from washrooms, water closets, galley and commissary spaces, refrigerated spaces etc. Discharge is overboard through scuppers piercing the hull on the fourth deck level. Scuppers are fitted with either screw-checks with remote operation from the second deck, locally controlled stop check, or swing checks. Scuppers fitting with distantly operated screw check valves are principally those handling drainage from compartments on the second deck and below, such as troop heads and washrooms, laundry space etc. All plumbing drainage scuppers are 3 inch and 4 inch. In addition, two septic tanks are installed for disposal of drainage waste from certain Commissary spaces. These tanks are of the syphon-pressure type. Each is equipped with a two-way ball float valve, actuated by 50 pound pressure from the flushing main, one tank, located at frame 96, hold level, in the refrigeration machinery compartments, disposes of drainage waste from vegetable and meat preparation rooms, ice cream and dairy compartments etc., in the hold, D Deck, and C Deck frame 78-98. The cofferdam beneath the main galley and bakery disposes of drainage waste from deck and sink drains from the compartment. Scupper valves, deck drains fitted with screw down-valves, and other closure fittings in the plumbing drainage are in general classified Zebra to comply with the instruction contained in F.T.P. 170-B. In actual service however, it may prove impracticable to secure all overboard fittings serving troop water closets during protracted periods at General Quarters.

DRAINAGE BILL (Continued)

VALVES IN SECONDARY DRAINAGE SYSTEMS

LOCATION	NUMBER	TYPE & SIZE	DISTANT OPERATION	FUNCTION	C L A S S	D I V
For'd Fire Pump Room	6-35-2	2"Stop Check	Local Control Pump Room	Cutout Valve For'd Emerg. Pump Room.	X	
Cargo Hold	6-35-b	3"Stop Check Air.	2-99-2 Air Operated	Cutout Valve No.1 Hold	X	
No.1 Mag.	6-41-2	3"Stop Check Air.	2-99-2 Air Operated	Cutout Valve No.1 5" Mag and Handling Room.	X	
No.2 Cargo	6-59-2	3"Stop Check Lift Air.	2-99-2 Air Operated	Cutout Valve No.2 Cargo Hold.	X	
No.2 Cargo	6-59-2	3"Stop Check Lift Air.	2-99-2 Air Operated	Cutout Valve No.2 Cargo Hold.	X	
No.3 Hold	5-77-1	3"Stop Check Lift Air.	2-99-2 Air Operated	Dry Stores	X	
No.3 Hold	5-77-2	3"Stop Check Lift Air.	2-99-2 Air Operated	Dry Stores	X	
Refrig. Mach. Room.	6-97-2			Refrig. Mach. Room.		
For'd Eng. Room.	6-99-2	1 1/2" Globe.	For'd Engine Room.	Cofferdam No.1	X	
For'd Eng. Room.	6-99-4	Man. Valve.	For'd Engine Room.	Dry Stores A-	X	
For'd Eng. Room.	6-99-6	Man. Valve.	For'd Engine Room.	No.2 Cargo Hold A-4-A	X	
For'd Eng. Room.	6-99-8	Manifold Valve.	For'd Engine Room.	No.1 5" Magazine	X	
For'd Eng. Room.	6-99-10	Manifold Valve.	For'd Eng. Room.	Refrig. Mach. Room.	X	
For'd Eng. Room.	6-99-1	Manifold Valve.	For'd Eng. Room.	Dry Stores	X	
For'd Eng. Room.	6-99-3	Manifold Valve.	For'd Eng. Room.	No.2 Cargo Hold.	X	

DRAINAGE BILL (Continued)

VALVES IN SECONDARY DRAINAGE SYSTEMS

FUNCTION	NUMBER	TYPE & SIZE	DISTANT OPERATION	FUNCTION	C L A S S	D I V
For'd Eng. Room.	6-99-5	Manifold Valve.	For'd Eng. Room.	No.1 Cargo Hold For'd Emerg. Pump Room.	X	
For'd Eng. Room.	6-99-7	Man. Valve.	For'd Eng. Room.	Cofferdam and deck Drains above 8'3" level.	X	
For'd Eng. Room.	6-101-1	Swing Check 6"		Check to Bilge and Bal- last Pump.		
For'd Eng. Room.		Submersible Pump.				
For'd Eng. Room.	6-105-1	Bilge And Ballast Pump.				
For'd Eng. Room.	6-105-1	Strainer.				
For'd Eng. Room.	6-105-3	Strainer.				
For'd Eng. Room.	6-106-2	Stop Valve 1 1/2"	None		X	
For'd Eng. Room.	6-107-1	Stop Valve	None		X	
For'd Eng. Room.	6-106-3	Man. Valves		From Ballast main Bilge suction.	X	
For'd Eng. Room.	6-106-5	Man. Stop Check Valves.		Bilge Suction.	X	
For'd Eng. Room.	6-106-5	Man. Stop Check Valves.		Sea Suction.	X	
For'd Eng. Room.	6-110-1	Stop Check Man.		Suction well 6-112-2 Drain well.	X	
For'd Eng. Room.	6-110-3	Stop Check Man.		Suction well 6-112-1	X	
For'd Eng. Room.	6-112-1			Suction valve 6-107-1	X	
	6-128-2	Disc. Check.		#3 cofferdam		
	6-129-2	Stop Check.		#4 cofferdam (under Trs. Galley).		

DRAINAGE BILL (Continued)

VALVES IN SECONDARY DRAINAGE SYSTEMS

LOCATION	NUMBER	TYPE & SIZE	DISTANT OPERATION	FUNCTION	C L A S S	D I V
Aft Eng. Room.	6-131-2	Stop Check Man.		Bilge Main.	X	
Aft Eng. Room.	6-131-4	Stop Check Man.		Aft Engine Room b 142.	X	
Aft Eng. Room.	6-131-6	Stop Check Man.		Suction from Sludge Tank.	X	
Aft Eng. Room.	6-131-8	Stop Check Man.		Sea Suction.	X	
Aft Eng. Room.	6-131-10	Stop Check Man.		Bilge Main.	X	
Aft Eng. Room.	6-131-12	Stop Check Man.		Ballast Main.	X	
Aft Eng. Room.	6-132-2		Strainer.			
Aft Eng. Room.	6-132-4		Strainer.			
Aft Eng. Room.	6-133-2			Bilge Pump.		
Aft Eng. Room.	6-133-4	Stop Check 6"			X	
Aft Eng. Room.	6-133-6			Bilge and Ballast Pump.		
Aft Eng. Room.	6-137-2	Stop Check 4"		Main Circ. Pump Suction.	X	
Aft Eng. Room.	6-140-2	Stop Check Man.		Suction 6-142-2 Drain well.	X	
Aft Eng. Room.	6-140-4	Stop Check Man.		Suction 6-142-1.	X	
Aft Eng. Room.	6-141-2	8" Gate		Main Bilge Suction.	X	
Aft Eng. Room.	6-141-4	6" Gate		Suction Aft Engine Room.	X	

DRAINAGE BILL (Continued)

VALVES IN SECONDARY DRAINAGE SYSTEMS

LOCATION	NUMBER	TYPE & SIZE	DISTANT OPERATION	FUNCTION	C L A S S	D I V
No.5 Cargo Hold	6-158-2	3"Stop Lift Check Valve.	2-131-1 Air.	No.5 Cargo Hold.	X	
No.5 Cargo Hold	6-158-1	3"Stop Lift Check Valve.	2-131-1 Air.	No.5 Cargo Hold.	X	
Starb Motor Room.	6-160-1	1 1/2" Stop Check		Motor Room.	X	
Port Motor Room.	6-160-2	1 1/2" Stop Check		Motor Room.	X	
Starb Motor Room.	6-171-1	3"Stop Lift Check Valve.	2-131-1 Air Operated.	Motor. Room.	X	
Starb Motor Room.	6-171-3	3"Stop Lift Check Valve.	2- Air Operated.	Shaft Alley.	X	
Port Motor Room.	6-171-2	3"Stop Lift Check Valve.	2- Air Operated.	Motor Room.	X	
Port Motor Room.	6-171-4	3"Stop Lift Check Valve.	2- Air Operated.	Shaft Alley.	X	
Dry Stores	5-180-1	Swing Check.		Dry Stores D-		
Dry Stores	5-180-2	Swing Check.		Dry Stores D-		
Starb Shaft Alley.	6-182-1	Man. Valves.	6-182	Dry Stores 5-180-1 D	X	
Starb Shaft Alley.	6-182-3	S Check	6-182	Dry Stores 5-180-1 D		

DRAINAGE BILL (Continued)

VALVES IN SECONDARY DRAINAGE SYSTEMS

Location	Number	Type & Size	Distant Operation	Function	CLASS	DIV
Port Shaft Alley.	6-182-4	Man. Stop Check Valves	6-182	Dry Stores 5-195-2.	X	
Port Shaft Alley.	6-182-6	Man. Stop Check Valves	6-182	Aft of Frame 195.	X	
Aft Emerg. Pump Room.	6-199-2	2" Stop Lift Check Valve.	6-199-2	Emerg. Pump Room.	X	
Dry Stores (Paint Locker)	5-198-1	3" Stop Lift Check Valve.	2-	Dry Stores.	X	
No.3 Mag.	5-210-2	3" Stop Lift Check Valve.	2-	No.3 5" Magazine and Handling Room.	X	
Steering Eng. Room.	6-213-c	3" Globe	Local	Steering Engine Room Bilge Suction.	X	
Steering Eng. Room.	6-213-2	1 1/2" Gate	Local	Salt Water Supply.	X	
Steering Eng. Room.	6-213-4	Check		Overboard discharge.		
Steering Eng. Room.	6-213-6	Check		Overboard Discharge.		
A-301-A	3-11-2	1 1/2" Globe Valve	Local	Salt Water supply to Bilge Eductor system.	X	
A-301-A	3-11-2	Bilge Eductor				
A-301-A	3-11-2	Swing Check				
A-301-A	5-12-2	2" Globe Valve	Local	Suction from A-301-A	X	
A-301-A	3-12-2	2" Globe Valve	Local	Suction from A-402-E	X	

DRAINAGE BILL (continued)

VALVES IN SANITARY DRAINING SYSTEMS

LOCATION	NUMBER	TYPE & SIZE	DISTANT OPERATION	FUNCTION	C L A S S	D I V
Troop Berth.	4-33-2	Screw Checks	2-33-2	Troop's Heads & W. C., 3rd Dk.	W	
Troop Berth.	4-41-2	Screw Checks	2-33-2	Troop's Heads & W. C., 2nd Dk.	W	
Troop Berth.	4-33-1	Screw Checks	2-33-1	Troop's Heads & W. C., 3rd Dk.	W	
Troop Berth.	4-41-1	Screw Checks	2-41-1	Troop's Heads & W. C., 2nd Dk.	W	
Troop Berth.	4-93-1	Screw Checks	2-93-1	Crew's Heads & W. C., 3rd Dk.	W	
Troop Berth.	4-93-2	Screw Checks	2-93-2	Septic Tank, Refrig. Space, Crew's Head & W.C., 3rd Deck	W	
Troop Berth.	4-97-1		None	Troop Officers' Head & W.C., Boat Deck.	W	
Troop Berth.	4-97-2		None	Troop Officers' Head & W.C., Boat Deck.	W	
Troop Berth.	4-104-1		None	Troop Officers' W.C. & W.R., Boat Deck.	W	
Galley	4-120-2	Stop Check	Local	Scullery, Officers' Pantry, 2nd Deck.	W	
Garbage Grind. Room	4-124-1	Screw Check	2-125-1	Septic Tank Garbage Grinder	W	
Issue Room	4-120-1		None	Scullery, Boat Deck	W	
Mach. Shop	4-133-1	Stop Check	Local	C.P.O, Dentist, Sick Bay	W	
Troop Berth	4-136-2			Officers' Galley, C. P. O. Water Closet & Wash Room.	W	
Troop Berth	4-138-2			Sick Bay - Boat Deck	W	
Troop Berth.	4-163-1	Screw Check	2-163-1	Laundry	Z	
Troop Berth.	4-166-1		None	N.C.O.'s W.R. & W.C., Steam Table.	W	
Troop Berth.	4-166-2		None	N.C.O.s' W.R. & W.C.	W	
Troop Berth.	4-203-1	Screw Check	2-203-1	Troop's W.C. & W.R. (Gate Valve)	W	
Troop Berth.	4-203-2	Screw Check	2-203-2	Troop's W.C. & W.R. (Gate Valve)	W	

DRAINAGE BILL (continued)

VALVES IN SANITARY DRAINAGE SYSTEMS

LOCATION	NUMBER	TYPE & SIZE	DISTANT OPERATION	FUNCTION	C L A S S	D I V
Steering Engine Room.	4-214-1	Screw Checks	2-214-1	Troop's Heads & Showers	W	
Steering Engine Room.	4-214-2	Screw Checks	2-214-2	Troop's Heads & Showers	W	
Steering Engine Room.	4-223-1	Screw Checks	2-223-1	Troop's Heads & Showers & W.C.	W	
Steering Engine Room.	4-223-2	Screw Checks	2-223-2	Troop's Heads, Showers & W.C.	W	

DRAINAGE BILL (continued)

VALVES IN MAIN DRAINAGE SYSTEMS

LOCATION	NUMBER	TYPE & SIZE	DISTANT OPERATION	FUNCTION	C L A S S	D I V
Aft. Engine Room.	6-137-2	14" Stop Check.	5-137-2	Main drain aft engine room.		
Fwd. Engine Room.	6-105-1	14" Stop Check.	5-105-1	Main drain fwd. engine room.		

CHAPTER 12

FIRE MAIN, MAGAZINE SPRINKLING AND FLUSHING BILLS

FIRE MAIN BILL

The fire main is of 6" iron pipe, with welded joints and bolted forged-steel flanges. The main is loop type, running just under the second deck port and starboard between frames 33 and 191. It is cross connected at frames 33, 104, 155 and 191. Cut-out valves for split operation or isolation are installed in the main at the following locations: Frame 41 P/S, Frame 61 P/S, Frame 79 P/S, Frame 99 P/S, Frame 111 P/S, Frame 129 P/S, Frame 141 P/S, Frame 164 P/S, and Frame 181 P/S. A cut-out valve is installed on each riser or down-comer where it leaves the main. All cut-out valves are fitted with reach-rods, operated from the damage control (2nd deck) and terminating in deck plates on that deck.

The fire main is supplied by four (4) horizontal, two stage, electric pumps, rated at 50 H.P., 400 gallons per minute with a 4 inch suction and 3 inch discharge into the fire main. Two pumps are located in each engine room. A relief valve is installed in the main on the discharge side of the pumps in the engine room.

The fire main is augmented by 2 Diesel driven fire pumps rated at 97 H.P., 1000 gallons per minute, with an eight inch suction and a six inch discharge into the main through risers at frames 20 and 196 respectively. The forward Diesel fire pump is located in the "Emergency Diesel Fire Pump Room Compartment A-602-E" in #1 hold, frame 28-34. The after pump is located in the after Emergency Diesel fire pump room, compartment C-504-E on the 1st Platform Deck, frame 201 - 205. out

There are sixty-three fire stations (fire-plugs). Thirteen (13) are single $2\frac{1}{2}$ " hose outlets, the remainder (50 plugs) are fitted with wyegates providing twin $1\frac{1}{2}$ " hose outlets.

Shore connections for taking fire main pressure from the dock are provided by means of two 4" risers on the main weather deck, one forward on the port side frame 60 and one aft on the starboard side frame 166. Each riser terminates in three $2\frac{1}{2}$ " hose connections with a self closing non-return clapper valve.

During war cruising, and at all other times when material condition "BAKER" is set, the fire main is operated as a "split-loop" by closing four 6" cutout valves which are classified "YOKE" for this purpose. These valves are as follows:

FIRE MAIN BILL (continued)

- 3-40-2 Line cutout, port side forward.
- 3-180-1 Line cutout starboard side, aft.
- 3-103-2 Forward cross connection cutout, port side.
- 3-132-1 After cross connection, starboard side.

By closing these valves, the main is split longitudinally into a port and starboard section, the pumps in the after machinery space furnishing pressure to the port section, and the forward machinery space supplying the starboard section.

When General Quarters is sounded the forward and after Emergency Diesel Fire Pumps are manned and placed in operation. Upon setting condition "ABLE", the fire main is further segregated into four independent sections by closing two additional 6" line cutout valves, classified "ZEBRA" for this purpose. These valves are as follows:

- 3-60-1 Line cutout, starboard side forward.
- 3-165-2 Line cutout, port side aft.

The remainder of the cutout valves, including risers and branches to fire plugs and magazine sprinkling outlets, are classified "W" (open at all times.

During battle, the fire main is thus supplied, as follows:

Forward Emergency Diesel	- Port side, from frame 40 forward,
	Starboard side, from frame 60 forward.
Forward Machinery Space	- Starboard side, frame 60 - 180.
After Machinery Space	- Port side, frame 40 - 165.
After Emergency Diesel	- Port side, frame 165 to stern,
	Starboard side, frame 180 to stern.

FIRE MAIN BILL (continued)

VALVES IN FIRE MAIN

LOCATION	NUMBER	TYPE & SIZE	DISTANT OPERATION	FUNCTION	CLASS	DIV
Passage outside Capt's. Pantry.	03-86-2	2 1/2" Globe Stop.	None	Cutout Fire Plug #03-86 (F.S. #1)	W	
Passage outside Capt's. Pantry.	02-85-2	3/8" Globe Stop.	None	Riser Drain Cock.	X	
Trash Burner Room.	02-96-2	1 1/2" Gl. Stop.	02-95 Lock Box	Cutout Sprinkler System in Incinerator Room.	X	
Foc'sle. Deck	01-7C/L	1 1/2" Hose Valve.	None	Washing Down Anchor Chain.	X	
In Mach. Casing (P).	01-99(P)	2 1/2" Stop.	None	Cutout Sprinkler System in Incinerator Room.	W	
Weather Deck Superstructure Blkhd. (P)	1-58-2	Self-closing Clapper Valve.	None	Clapper Valves on Shore Connections.		
Weather Deck Superstructure Blkhd. (P)	1-58-4	Self-closing Clapper Valve.	None	Clapper Valves on Shore Connections.		
Weather Deck Superstructure Blkhd. (P)	1-58-6	Self-closing Clapper Valve.	None	Clapper Valves on Shore Connections.		
Troop Off. W.R. & W.C.	1-73-C/L	3/8" Globe.	None	Fire main Riser Drain Cock.	X	
Troop Off. W.R. & W.C.	1-77-C/L	2 1/2" Stop.	None	Cutout Fire Plug #01-74-C/L F.M. to Bd. Bk. 75.(FS #3)	W	
Troop Off. Stateroom (S)	1-112-1	2 1/2" Stop.	None	Cutout Fire Plug #01-112-1 (F.S. #7)	W	
Troop Off. Stateroom (P)	1-115-2	2 1/2" Stop.	None	Cutout Fire Plug #01-115-2 (F.S. #6)	W	
Troop Off. Stateroom (S)	1-116-1	3/8" Globe.	None	Riser Drain Cock.	X	
Troop Off. Stateroom (P)	1-116-2	3/8" Globe.	None	Riser Drain Cock.	X	
Weather Deck	1-166-1	2 1/2" Self-closing Clapper valve.	None	Clapper Valves on Shore Connections.		

FIRE MAIN BILL (continued)

VALVES IN FIRE MAIN

LOCATION	NUMBER	TYPE & SIZE	DISTANT OPERATION	FUNCTION	CLASS
Weather Dk. Starboard	1-66-3	2½" Self-Closing Clapper	None	Clapper Valves on Shore Connection.	
Weather Dk. Starboard	1-66-5	2½" Self-Closing Clapper	None	Clapper Valves on Shore Connection.	
Troop's W.R. & W.C.	2-22-2	2½" Gate	Local	Cutout valve to Fire Plug #1-22-2 (FS #12)	
Troop's W.R. & W.C.	2-22-1	2½" Gate	Local	Cutout valve to Fire Plug #1-22-1 (FS #11)	
Troop's W.R. Stbd.	2-44-1	2½" Stop	None	Cutout Fire Plug #1-44-1 (FS #13)	W
Troop's W.R. Port	2-44-2	2½" Stop	None	Cutout Fire Plug #1-44-2 (FS #14)	W
Troop's W.R. Stbd.	2-44-3	3/8" Globe	None	Riser Drain Cock	X
Troop's W.R. Port	2-44-4	3/8" Globe	None	Riser Drain Cock	X
Mach. Casing Port	2-130-P	2½" Stop	None	Cutout Fire Plug #01-130-2 (FS #8)	W
Troop's W.C. & W.R. Stbd.	3-18-1	½" Globe	None	Riser Drain Cock	X
Troop's W.R. & W.C. Stbd.	3-20-1	3½" Stop	Deck Plate 2-20-1	Riser Cutout - Cutout Fire Plug 1-22-1 and 1-22-2 and Hose Valve #01-7C/L on Focsle. (FS #11 - #12) - Fire main relief valve (110 lbs.)	W
Troop's W.C. & W.R. Stbd.	3-30-1	2" Relief Valve			
Troop's W.R. & W.C. Port	3-34-4	3½" Stop	None	Cutout Mag. Sprinkling to 5" Mags. A-603-M & A-604-M	W
Troop's W.C. & W.R. Port	3-34-2	2½" Stop	None	Cutout drop to Fire Plug #4-44 (FS #48)	W
Troop's W.R. & W.C. Port	3-36-P	2½" Stop	None	Riser cutout to Fire Plug #3-40-2 (FS #34)	W
Troop's W.R. & W.C. Stbd.	3-39-1	3½" Stop	Deck Plate 2-38-1	Riser cutout - cutout Fire Plug #1-44-1 and 2-40-1 FS #25 and #13	W

FIRE MAIN BILL (continued)

VALVES IN FIRE MAIN

LOCATION	NUMBER	TYPE & Size	DISTANT OPERATION	FUNCTION	C L A S S
Troop's W.R. & W.C. Port	3-39-2	3½" Stop	Deck Plate 2-38-2	Riser cutout - cutout Fire Plug #2-40-2 and 1-44-2 (FS #24 and #14)	W
Troop's W.R. & W.C. Stbd.	3-40-1	6" Stop	Deck Plate 2-39-1	Line cutout (stbd.)	W
Troop's W.R. & W.C. Port	3-40-2	6" Stop	Deck Plate 2-39-2	Line cutout, port	Y
Troop's Berthing	3-43-1	2" Stop	None	Cutout sprinkling to 5" Hand. Room Compt. Main Dk. Stbd.	W
A-303-L Stbd Troop Berth.	3-43-2	2" Stop	None	Cutout sprinkling to 5" Hand. room Compt. main deck, port.	W
A-303-L Port Troop Berth.	3-44-1	3½" Stop	None	Drop cutout to Fire Plug #4-34-2 and 3-45-2 (FS #47&35)	W
A-303-L Port Troop Berth.	3-58-2	½" Stop	None	Riser drain cock.	X
A-303-L Port Troop Berth.	3-58-4	4" Stop	None	Cutout riser to shore connect- ion at Frame 59, main deck.	X
A-303-L Port Troop Berth.	3-60-1	6" Stop	Deck Plate 2-60-1	Line cutout (stbd.)	Z
A-304-L Stbd Troop Berth.	3-60-2	6" Stop	Deck Plate 2-60-2	Line cutout (port).	X
A-304-L Port Troop Berth.	3-61-1	1½" Stop	None	Cutout sprinkling to 20MM Clip. room (stbd.)	W
A-304-L Stbd Troop Berth.	3-62-2	2½" Stop	None	Drop cutout to Fire Plug #4-60- 2 (FS #50)	W
A-304-L Port Troop Berth.	3-63-2	1½" Stop	None	Cutout sprinkling to 20MM Clipping room (port)	W
A-304-L Port Troop Berth.	3-78-1	2½" Stop	None	Riser cutout to Fire Plug #3-76-1 (FS #37)	W
A-304-L Stbd Athwartship	3-78-3	6" Stop	Deck Plate 2-78-1	Line cutout	W
Cargo Port Passage Stbd.	3-78-2	6" Stop	Deck Plate 2-78-2	Line cutout	W
Athwartship Cargo Port Passage Stbd.	3-79-1	4" Stop	None	Drop cutout to Fire Plug #4-82-1, 5-78-1 and 6-84-1 (FS #49, #60 and #61)	W

FIRE MAIN BILL (continued)

VALVES IN FIRE MAIN

LOCATION	NUMBER	TYPE & SIZE	DISTANT OPERATION	FUNCTION	CLASS	
Athwartship Cargo Port Passage Stbd.	3-79-3	3½" Stop	2-80-1	Riser cutout to Fire Plug #1-81-1 and 01-74-C/L (FS #15 and #3)	W	
Athwartship Cargo Port Passage Port	3-79-2	4" Stop	2-81-2	Riser cutout to Fire Plug #1-81-2, #02-86-2 and #03-86-2 (FS #16, #2 and #1)	W	
Crew Berth. A-305-L Stbd	3-85-1	2½" Stop	2-85-1	Riser cutout to Fire Plug #2-87-1 (FS #27)	W	
Crew Berth. A-305-L Port	3-85-2	3½" Stop	2-85-2	Riser cutout to Fire Plug #2-92-2 and #3-86-2 (FS #26 and #36)	W	
Crew Berth. A-305-L Port	3-94-2	3" Stop	None	Cutout to Mag. Sprink.	W	
Crew Berth. A-305-L Stbd.	3-97-1	2½" Stop		Cutout Sprinkling to 40MM and 20MM stowage Frame 93-98 Hold.	W	
Crew Berth. B-301-L Stbd.	3-98-1	6" Stop	Deck Plate 2-98-1	Line cutout.	W	
Crew Berth. B-301-L Port	3-98-2	6" Stop	2-98-2	Line cutout	W	
Crew Berth. B-301-L Stbd.	3-102-1 3-103-1	2½" Stop	2-104-1	Riser cutout to Fire Plug #01-102-1 (FS #5)	W	
Crew Berth. B-301-L Port	3-102-2	3" Gate	None	Riser cutout to Fire Plug #01-102-2 (FS #4 and trash burner sprinkler)	W	
Crew Berth. Passage	3-103-1	2½" Stop	Local	Riser cutout to Fire Plug #4-106-1 (FS #51)	W	
Crew Berth	3-102-2	2½" Stop	2-98-2	Cutout valve to F. M. Boat Deck (1-102) also trash room sprinkling system.	W	
Crew Berth	3-103-2	6" Stop	2-106-2	Cutout valve to Fire Line from E. Rm.	Y	

FIRE MAIN BILL (continued)

VALVES IN FIRE MAIN

LOCATION	NUMBER	TYPE & SIZE	DISTANT OPERATION	FUNCTION	C L A S S	D I V
Crews Berth	3-111-2	3"Gate	2-109-2	Fire Main cutout valve to Boat Deck & Fire Plug #3-111-2 (FS #38)	W	
Crews Berth	3-112-2	6"Gate	2-113-2	Cutout valve - bulkhead 112		
Crews Berth Passage	3-102-1 3-103-1	2½" Gate	2-104-1	Cutout valve to Fire Main Boat Deck Fire Plug #01-102-1 (FS #5)	W	
Crews Berth Passage	3-103-1	2½" Gate	None	Riser cutout valve to "C" Dk. Bulkhead 105	W	
Crews Berth	3-103-3	6"Gate	2-107-3	Fire Main cutout valve from Engine Room		
Crews Berth	3-119-1	2½" Gate	None	Cutout valve to 20MM Sprink. System Boat Deck	W	
Troop Off. Mess	3-119-2	2½" Gate	None	Cutout valve to 20MM Sprink. System Boat Deck, Port.		
Troop Off. Mess	3-122-2	2½" Gate	None	Riser cutout to Fire Plug #3-122-2 (FS #40)	W	
Crews Berth.	3-111-1 3-112-C/L 1-111-2 3-111-2	2½" Gate	2-109-2	Fire Main cutout valve to Boat Deck Fire Plug #01-111-C/L (FS #6) F.S. 17-1-111-1 F.S. 7-01-112-C/L	W	
Crews Berth	3-111-3	3/8" Stop	Local	Riser Drain	X	
Crews Berth	3-112-1	6" Gate	2-112-1	Fire Main cutout valve bulkhead 112.	W	
Passageway aft crews berthing.	3-128-1	6" Gate	2-128-1	Fire Main cutout valve bulkhead 128-2	W	
Officers' Pantry.	3-126-2	2½" Gate	Local	Riser cutout valve to F.P. #4-127-2 (FS #52)	W	

FIRE MAIN BILL (continued)

VALVES IN FIRE MAIN

LOCATION	NUMBER	TYPE & SIZE	DISTANT OPERATION	FUNCTION	C L A S S	D I V
Passageway aft - Off. Pantry.	3-128-2	6" Stop	2-128-2	Fire Main cutout valve bulkhead 128-1	W	
Officers' Galley	3-133-2	6" Stop	2-131-2	Cutout to Fire Main athwart- ship main.	W	
Aft Engine Room B-1	3-132-2	3½" Gate	2-133-2 Bulkhead	Cutout to Fire Main to "A" Deck 2-131 and Boat Deck.	W	
Officers' Galley	3-134-4	1½" Gate	Local	Cutout valve to Sprink. System 20MM Clipping Room.	W	
Officers' Galley	3-134-6	3/8" Stop	Local	Riser Drain	X	
Officers' Galley	3-134-2	2½" Stop	Local	Cutout valve to Fire Plug #4-134-2 (FS #34)	W	
Mess Att. Mess	3-132-1	6" Stop	2-131-1	Cutout to Fire Main athwart- ship Main.	Y	
Passageway	3-133-1	5" Stop	2-135-1	Cutout valve to Fire Plug - Riser Fire Plug #3-132-2 F.S. #39	W	
Passageway	3-134-1	2½" Gate	Local	Cutout valve to Sprink. System 20MM Clipping Room.	W	
C. P. O. Mess	3-141-1	6" Stop	2-141-1	Fire Main cutout valve bulkhead 141.		
C. P. O. Berthing	3-144-1	3" Gate	2-142-2	Cutout valve riser Fire Plug #1-144-1 (FS #19)	W	
C. P. O. Berthing	3-147-1	3" Gate	Local	Cutout valve to Fire Plug #4-147-1 (FS #53)	W	
Officers' Galley	3-141-2	6" Stop	2-141-2	Cutout valve Fire Main 142	W	

FIRE MAIN BILL (continued)

VALVES IN FIRE MAIN

LOCATION	NUMBER	TYPE & SIZE	DISTANT OPERATION	FUNCTION	C L A S S	D I V
N.C.O. Mess	3-146-2	3" Gate	2-147-2	Cutout to Fire Plug #1-148-2 (FS #20)	W	
N.C.O. Mess	3-146-4	3/8" Stop	Local	Riser Drain	X	
N.C.O. Mess	3-159-2	3" Stop	2-158-2	Cutout valve Riser to Fire Plug #2-159-2 (FS #30)		
N.C.O. Mess	3-160-4	3/8" Stop	Local	Riser Drain	X	
Passage	3-158-1	3" Gate	Local	Cutout valve Fire Plug #2-159-1 (FS #31)	W	
Passageway #5 Hatch	3-157-3	2" Gate	Local	Cutout valve to Boat Deck Fire Plug #01-157-C/L (FS #10)	W	
Trunk	3-157-5	3/8" Stop	Local	Riser Drain	X	
Laundry	3-158-1	3" Gate	2-156-1	Cutout Fire Plug 4-159-C/L (FS #55)	W	
Laundry	3-162-1	2 1/2" Gate	Local	Cutout valve Fire Plug 3-160-1 (FS #41)	W	
Laundry	3-161-1	3" Gate	Local	cutout valve 40 M Sprink. system - Clipping Room.	W	
Laundry	3-161-3	3/8" Stop	Local	Riser Drain	X	
Laundry	3-165-1	6" Stop	2-165-1	Cutout Fire Main Blkhd. 166	W	
Mess Attendants' Berthing	3-161-2	2 1/2" Gate	Local	Fire Main to Mag. Sprink. System 40mm	W	
Mess Attendants' Berthing	3-161-4	3/8" Stop	Local	Riser Drain	X	

FIRE MAIN BILL (continued)

VALVES IN FIRE MAIN

LOCATION	NUMBER	TYPE & SIZE	DISTANT OPERATION	FUNCTION	C L A S S	D I V
Mess Attendants' Berthing	3-162-2	2½" Gate	Local	Cutout valve to Fire Plug 3-162-2 (FS #42)	W	
Mess Attendants' Berthing	3-165-2	6" Stop	2-165-2	Cutout valve Fire Main Bulkhead 165, Fwd. Bulkhead 166.	Z	
Troop Berthing	3-176-2	2½" Gate	Local	Cutout valve Fire Plug 3-176-2 (FS #44)	W	
Troop Berthing	3-168-1	2½" Gate	Local	Cutout valve Fire Main to C Deck Fire Plug #4-168-1 (FS #56)	W	
Troop Berthing	3-171-1	4" Gate	2-167-1	Cutout valve Shore connection to Fire Main	X	
Troop Berthing	3-180-1	3" Gate	2-175-1	Cutout valve 1-180-1 (FS #21)	W	
Troop Berthing	3-180-1	6" Stop	2-180-1	Cutout valve Fire Main Bulkhead 180 (S)	Y	
Troop Berthing	3-180-C/L	4" Gate	2-185-1	Cutout valve Fire Plug #1-180-2 (FS #22) Fire Plug 4-180-C/L (FS #57)	W	
Troop Berthing	3-195-1	5" Gate	2-193-1	Cutout valve Fire Main Blkhd. 195 stbd.	W	
Troop Berthing	3-180-2	6" Stop	2-180-2	Cutout valve Fire Main blkhd. Fr. 3-180-2	W	
Troop Head	3-196-1	4" Gate	2-199-1	Cutout valve Fire Main A Deck 195, B Deck 195 C Deck 195, Fire Plug 2-196-1 (FS #33)	W	
Troop Berthing	3-196-2	3" Gate	2-196-2	Cutout valve to A Deck Fire Plug 2-196-2 (FS #32)	W	

FIRE MAIN BILL (continued)

VALVES IN FIRE MAIN

LOCATION	NUMBER	TYPE & SIZE	DISTANT OPERATION	FUNCTION	CLASS	DIV
Troop Berth.	3-197-4	3/8" Stop	Local	Riser Drain	X	
Troop Berth.	3-196-1	3" Gate	Local	Cutout valve to A Deck Fire Plug #3-197-1, FS #45	W	
Troop Head	3-210-1	110 Pressure 2" Rel. Valve	Local	Pressure Release Valve		
Troop Head	3-211-1	3/8" Stop	Local	Riser Drain.	X	
Troop Head	3-210-3	2 1/2" Gate	2-210-1	Cutout valve Fire Plug #1-210-1 (FS #23)	W	
Troop Head	3-210-5	3/8" Stop	Local	Riser Drain.	X	
Troop Head	3-210-7	2 1/2" Gate	Local	40MM Handling Room Sprink. System.	W	
Troop Head	3-210-9	3/8" Stop	Local	Riser Drain	X	
Troop Head	3-210-11	3" Gate	Local	Fire Main Pyro. Room & Handling Rm. Sprink. System	W	
Troop Head	3-210-13	3/8" Stop	Local	Riser Drain	X	
Troop Head	3-213-1	2 1/2" Gate	Local	Cutout valve to Fire Plug 3-218-C/L (FS # 46)	W	
Troop Head	3-213-1	2 1/2" Gate	Local	Cutout valve to Fire Plug 4-214-1 (FS #59)	W	

LIST OF FIRE PLUGS

STATION NUMBER	PLUG NUMBER	TYPE and SIZE	LOCATION	CUTOUT VALVE	AMOUNT of HOSE
1	03-87-C/L	1½"	<u>03 DECK</u> Nav. Bridge Athwartship	02-86-2 and 3-79-2	100'
2	02-86-2	1½"	<u>02 DECK</u> Bridge outside passage Captain's Pantry.	3-79-2 2-82-1	200'
3	01-74-2	1½"	<u>01 DECK</u> Boat Deck, forward bulkhead of Superstructure	1-77-2	100'
4	01-102-2	1½"	Port side on aft bulkhead Mach. casing in Off. Country	3-102-2	200'
5	01-102-1	1½"	Stbd. side Off. Country aft bulkhead of Mach. Casing Weather Deck port side.	3-102-1 3-103-1	200'
6	01-111-2	1½"	Weather Deck, port.	1-111-2 3-111-2 2-109-2	100'
7	01-112-1	1½"	Weather Deck, stbd.	1-112-1 3-111-1	100'
8	01-130-2	1½"	Passageway in Officers' Country - Port.	3-132-2	200'
9	01-130-1	1½"	Passageway in Officers' Country - Stbd.	3-133-1	200'
10	01-157-C/L	1½"	Weather Deck, C/L abaft # 5 Hatch.	3-157-1	100'
11	1-22-1	1½"	<u>1st DECK</u> Weather Deck bulkhead of Carpenter Shop, stbd. aft	2-22-1	100'
12	1-22-2	1½"	Weather Deck, port, aft.	2-22-2	100'
13	1-43-1	1½"	Weather Deck, stbd.	2-43-1	100'
14	1-43-2	1½"	Weather Deck, Port.	2-43-2	100'
15	1-78-1	1½"	Passageway stbd. troop Officers' Country.	3-79-1	200'

LIST OF FIRE PLUGS

STATION NUMBER	PLUG NUMBER	TYPE and SIZE	LOCATION	CUTOUT VALVE	AMOUNT of HOSE
16	1-78-2	1½"	<u>1st DECK</u> Passageway - Port Troop Officers' Country.	3-79-2	200'
17	1-111-1	1½"	Passageway - Stbd. Troop Officers' Country.	3-111-1	200'
18	1-111-2	1½"	Passageway - Port Troop Officers' Country.	3-111-2	200'
19	1-144-1	1½"	Passageway - Stbd. Hospital Area.	3-144-1	200'
20	1-148-2	1½"	Passageway - Port Hospital Area.	3-146-2	200'
21	1-180-1	1½"	Weather Deck - Starboard.	3-77-1	100'
22	1-180-2	1½"	Fwd. #7 Hatch.	3-180C/L	100'
23	1-210-1	1½"	Weather Deck C/L	3-210-1	100'
24	2-40-2	1½"	<u>2nd DECK</u> Aft Superstructure Troop W.R. A-201-L, port.	3-39-2	200'
25	2-40-1	1½"	Troop W.R. A-201-L Stbd.	3-39-1	200'
26	2-91-2	1½"	Passageway outboard of Troop Office - port.	3-86-2	200'
27	2-87-1	1½"	Passageway - stbd. inboard Navigators' Office.	3-86-1	200'
28	2-132-2	1½"	Main Mess Hall, port, inboard bulkhead.	3-132-2	200'
29	2-130-1	1½"	Main Mess Hall, stbd., inboard bulkhead.	3-133-1	200'
30	2-159-2	1½"	Passageway, port, abaft cafeteria.	3-159-2	200'
31	2-159-1	1½"	Passageway, stbd, abaft cafeteria.	3-158-1	200'

LIST OF FIRE PLUGS

STATION NUMBER	PLUG NUMBER	TYPE and SIZE	LOCATION	CUTOUT VALVE	AMOUNT of HOSE
32	2-196-2	1½"	<u>2nd DECK</u> Troop berthing inboard port	3-195-2	200'
33	2-196-1	1½"	Troop berthing inboard stbd	3-196-1	200'
34	3-40-2	1½"	<u>3rd DECK</u> Troop W.C. & W.R. port Compartment A-301-A.	3-40-2	200'
35	3-44-1	1½"	Troop berth. Compt. A-302-L	3-44-2	200'
36	3-85-2	1½"	Crew berthing, port Compartment A-305-L.	3-86-2	200'
37	3-76-1	1½"	Troop Berthing, stbd Compartment A-304-L.	3-77-1	200'
38	3-111-2	1½"	Athwartship Passage Compartment B-301-L.	3-111-2	200'
39	3-132-2	1½"	Passageway inboard of C.P.O. Mess Room.	3-133-1	200'
40	3-122-2	1½"	Troop Officers' Dining Room	3-122-2	200'
41	3-160-1	1½"	Passageway inboard of Laundry.	3-160-1	200'
42	3-162-2	1½"	Passageway, port Compt. C-301-L.	3-162-2	200'
43	3-176-2	1½"	Troop berthing, stbd., Compartment C-305-L.	3-180-1	200'
44	3-180-1	1½"	Troop berthing, port, Compartment C-304-L.	3-176-2	200'
45	3-197-1	1½"	Troop berthing, stbd., Compartment C-306-L.	3-196-1	200'
46	3-218-C/L	1½"	Troop W.C. & W.R. C-307-L	3-213-1	200'
47	4-34-2	1½"	<u>4th DECK</u> Troop berthing, port, A-402-L	3-32-2	200'
48	4-43-2	1½"	Troop berthing, port, Compartment A-403-L.	3-44-2	200'

LIST OF FIRE PLUGS

STATION NUMBER	PLUG NUMBER	TYPE and SIZE	LOCATION	CUTOUT VALVE	AMOUNT of HOSE
<u>4th DECK</u>					
49	4-82-1	1½"	Troop berthing, stbd., Compartment A-405-L.	3-77-1	200'
50	4-60-2	1½"	Troop berthing, port, Compartment A-404-L.	3-60-2	200'
51	4-106-1	1½"	Troop berthing, stbd., Compartment B-401-L.	3-103-1	200'
52	4-127-2	1½"	Main Galley Compt. B-405-A	3-126-2	200'
53	4-147-1	1½"	Troop berthing Compt. C-401-L.	3-147-1	200'
54	4-134-2	1½"	Troop berthing, port, Compartment B-406-L.	3-133-2	200'
55	4-159-C/L	1½"	Troop berthing, stbd., Compt. C-402-L.	3-158-1	200'
56	4-168-1	1½"	Troop berthing, stbd., Compt. C-403-L.	3-168-1	200'
57	4-180-C/L	1½"	Troop berthing C/L Compt. C-404-L.	3-180-1	200'
58	4-195-1	1½"	Troop berthing, stbd., Compt. C-405-L.	3-196-1	200'
59	4-215-1	1½"	Steering Gear Room	3-213-1	100'
<u>5th DECK</u>					
60	5-78-1	1½" 2 1/2	Passageway Compt. A-504-A	3-77-1	200'
<u>6th DECK</u>					
61	6-84-1	1½" 2 1/2	Passageway Compt. A-610-AE	3-77-1	200'
62	6158-2	1½"	Main Motor Room, Compartment B-4.	3-158-2	200'
63	6-158-1	1½"	Main Motor Room, Compartment B-3.	3-158-1	200'