## RESTRICTED SECURITY INFORMATION

### MARINE SS418

THIS MATERIAL CONTAINS INFORMATION AFFECTING
THE NATIONAL DEFENSE OF THE UNITED STATES
WITHIN THE MEANING OF THE ESPIONAGE LAWS, TITLE
18US.C., SECTIONS 793 AND 794, THE TRANSMISSION
OR REVELATION OF WHICH IN ANY MANNER TO AN
UNAUTHORIZED PERSONIS PROHIBITED BY LAW

OF GENERAL PLANS

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RESTRICTED:
-SECURITY INFORMATION

PLATE NO I TITLE COVER

PLATE NO 2 GENERAL DIMENSIONS

PLATE NO 3 OUTBOARD PROFILE

PLATE NO 4 INBOARD PROFILE

PLATE NO. 5 MAIN DECK

PLATE NO 6 PLATFORM DECK

PLATE NO 7 HOLD

PLATE NO 8 TYPICAL SECTIONS

NAVAL SHIPYA'RD

PORTSMOUTH, N.H.

DRAWN

CARR

CHECKED BY R.R.H.

UNIT HEAD R. HUNTINGTON OD

SECTION HEAD ARtickley

BRANCH HEAD E.E. Tucken

DATE 11-20-53

MEAD ENGINEER

TECHNICAL OFFICER

Van Dyka Johinsa

BUSHIPS NO.SS 418 -S0103-1418512

# SUBMAR BOOKLET OF

CORREC	TED TO SUI	T SHIP	
PLACE NAVSHIPYD PTSMH	DATE	DESIGN SUPT	+
REVISED AT CHASHAVS - PVO IN ACCORD WITH WFORMATION FURNISHED BY SHIP WES REVISED AT CHASHAVSHIPYD TO AGREE WITH SHIP AS CHECKED.	6/29/56	hegaste fronto	
ADDED HTS OF ALL LIGHTS ABOVE BASE LINE CHARLESTON NAVAL SHIPYARD	5-27-59	The Same of the Sa	
CHAS NAV SHYD.	3-12-62 2-16-65	O. B. Dater	R.
CHASVAVSHYD	6-24-68	In court of	

REV C.

REV F

PLATE NO 1
PLATE NO 2
PLATE NO 3
PLATE NO 4
PLATE NO 5

PLATE NO 7

HEIGHTS		FRAME SPACE	NG
EEL TO TOP OF STRENGTH HULL AMIDSHIPS	19'-10"	0 TO FR 35	24"
EEL TO TOP OF C T FAIRWATER	47-10"		30"
EEL TO TOP OF HIGHEST PERISCOPE EXTENDED	66'- "	FR 62 TO FR 69	24"
EEL TO TOP OF CONNING TOWER PLATING	28-4/4"	FR 69 TO FR 105	30"
EEL TO TOP OF PERISCOPE FOUNDATION	33-2"	FR105 TO FR137	24"
EEL TO TOP OF PERISCOPE SUPPORT	47-51/2"		
EEL TO TOP OF NO. I PERISCOPE EXTENDED	62-65/6		
EEL TO TOP OF SNORKEL IND VALVE EXTENDED	61-41/2"		
LIGHT ABOVE BASE LINE	32'-176"		
IGHT ABOVE BASE LINE	43'-114"	NUMBER OF FRAMES	137
ABOVE BASE LINE	29'-5%"		The state of the s
EN LIGHT ABOVE BASE LINE	27'-1%		
NG LIGHT ABOVE BASE LINE	23'-6%		

24'-6 18"

COMPARTMENT CAPACITIES (FLOODABLE VOL.)							
COMPARTMENT	CAPACITY		C.G. ABV.	C.G. FWD	C.G. AFT.		
	CU. FT.	TONS 5.W.	BOT KEEL	FR. GB	FR.GB		
FOR'D TORPEDO ROOM	4460	127.4	13.00	97.50			
FOR'D BATTERY ROOM	4224	120.69	13.52	G2.97			
CONTROL & PUMP RM.	4301	125.17	11.93	35.09			
CONNING TOWER	670	19.10	24.38	30.65			
AFTER BATTERY COMPT.	6364	181.83	13.14		0.06		
FOR'D. ENGINE ROOM	4127	117.91	12.34		35 51		
AFT. ENGINE ROOM	4038	115.37	12.32		60.36		
MOTOR & MANEUVE, RM.	3138	89.66	12.21		89.06		
AFT. TORPEDO ROOM	3590	102.06	15.30		115.00		

OR LIGHT ABOVE BASE LINE

RESTRICTED SECURITY INFORMATION

SUBMARINE \$\$418
GENERAL DIMENSIONS

					I I I I I I	
LENGTH OVERALL		2000年1月1日 - 1000年1月1日 - 1000年1月 -	306'6"	LOWEST POINT OF KEEL	TO TOP OF STRENG	
LENGTH BETWEEN PERPENDICULARS				LOWEST POINT OF KEEL	TO TOP OF CIT FALL	
PROJECTION FWD OF F P			304'-11'/4" 16'/4"	The second secon		
LENGTH OF STRAIGHT KEEL			154'-81/2"	The second secon		
BREADTH, MOLDED		THE PARTY OF THE PARTY OF	27'-13/4"	The second secon		
BREADTH, EXTREME			27-31/4"	LOWEST POINT OF KEEL TO TOP OF PERISO		
RATIO - LENGTH TO BEAM		TO THE STATE OF TH	11.33	LOWEST POINT OF KEEL TO TOP OF NO. 1 PL		
DRAFT-SURFACE CONDITION TO	UNDERSIDE OF KEE	PLATES (MEAN) N D T	15.45	LOWEST POINT OF KEEL TO TOP OF SNORK		
SHAFTS - DIVERGE AT ANGLE W	ITH & OF SHIP		2°-49	& BOW ANCHOR LIGHT ABOVE B		
SHAFTS- & AT MAIN MOTOR (6-	3/4"AFT OF FR 104	FROM & OF SHIP	3-3.7632	& MASTHEAD LIGHT ABOVE B		
SHAFTS- & FROM BASELINE AT	FR 128		6-9"	& SIDE LIGHTS ABOVE BASE LI		
SHAFTS RAKE OUTBOARD & AFT	PER INCH FROM &		.04914"	& EMERG. STERN LIGHT ABOVE		
SHAFTS RAKE FHOM BASELINE	& FWD PER INCH		.01473"	& STERN RUNNING LIGHT ABOVE		
SHAFTS - & AT MAIN MOTOR (6-3/4" AFT OF FR 104) ABOVE BASELINE			7'-5.676"	& STERN ANCHOR LIGHT ABOVE		
PROPELLER CENTER FWD OF A P						
RUDDER AXIS FWD OF A P					COMPART	
NUMBER OF FRAMES					COMPAN	
		137		COMPARTMENT		
AC	COMMODATIO	NS			FOR'D TORPEDO RO	
COMPARTMENT	OFFICERS	C.PO.	CREW		FOR'D BATTERY ROO	
FORWARD TORPEDO ROOM			Maria Control of the		CONTROL & PUMP R	
OFFICERS' QUARTERS	9	. 5	14		CONNING TOWER	
CREW'S QUARTERS			3 6		AFTER BATTERY COM	
AFTER TORPEDO ROOM	ETTP TOOLS				FOR'D. ENGINE ROO	
TOTAL	9 5		71		AFT ENGINE ROO	
TOTAL ACCOMMODATIONS					MOTOR & MANEUVG.	
					AFT TORPEDO ROOM	
		(A) 中新疆 (A)				
A RIVERTA MANAGEMENT NEWS						

PRINCIPAL DIMENSIONS

HEIGH OWEST POINT OF KEEL TO TOP OF STRENG

GAL	TONS(OIL)	LUBRICATING OIL TANKS		GAL	TONS(OIL)
11400	35 40	NO I ENGINE STOWAGE	95% CAP	605	2.08
13050	40 53	NO 2 ENGINE STOWAGE	95%CAP	1067	3.67
20413	63.39	NO. 3 ENGINE STOWAGE	95%CAP.	350	1.20
10827	DESCRIPTION OF THE PARTY OF THE	NO. 4 ENGINE STOWAGE	95%CAP	201	0.69
2210	PROPERTY AND PERSONS NAMED IN	NO. 5 ENGINE STOWAGE	95%CAP	1473	5.06
2210	6 86		TOTAL	3696	12.70
379	The second second second	NO. I MAIN ENGINE SUMP	75%CAP	444	1.53
379					
60868	CONTRACTOR OF THE	NO. 3 MAIN ENGINE SUMP	75%CAP	444	1.53
50808	10000	NO. 4 MAIN ENGINE SUMP	75%CAP	444	1.53
3065	9.52		TOTAL	1332	4 59
9364	A PROPERTY OF THE PARTY OF THE	MAIN MOTOR SUMP	75% CAP.	118	0.41
12429			D TOTAL	5146	17.70
17368		I MBT CAPACITIES ARE ( GROSS TANK IS TANK P BY LEAD BALLAST H	LUS VENT PIPI	NG. VOLUM	IE OCCUPIED
19614	OF STREET, STR	THESE CALCILATION	9.		
36988	The second division in which the second	2 FUEL OIL TANK CAPACITIES: "GALLONS" IS GROSS TANK. "TONS OIL" IS USEABLE CAPACITY WHICH IS TANK CAPACITY			
THE RESERVE TO BE SHOWN IN	TONS(FW				
GAL		MINUS WATER SEAL.			
3375					
1980	OF STREET, SQUARE, SQU				
5355	19.88				
	0.00				
59	Charles Mary 1 (1)				
59	THE RESERVE OF THE PARTY OF THE			- 17-77	
119	STREET, SQUARE, SQUARE				
655	24.32				

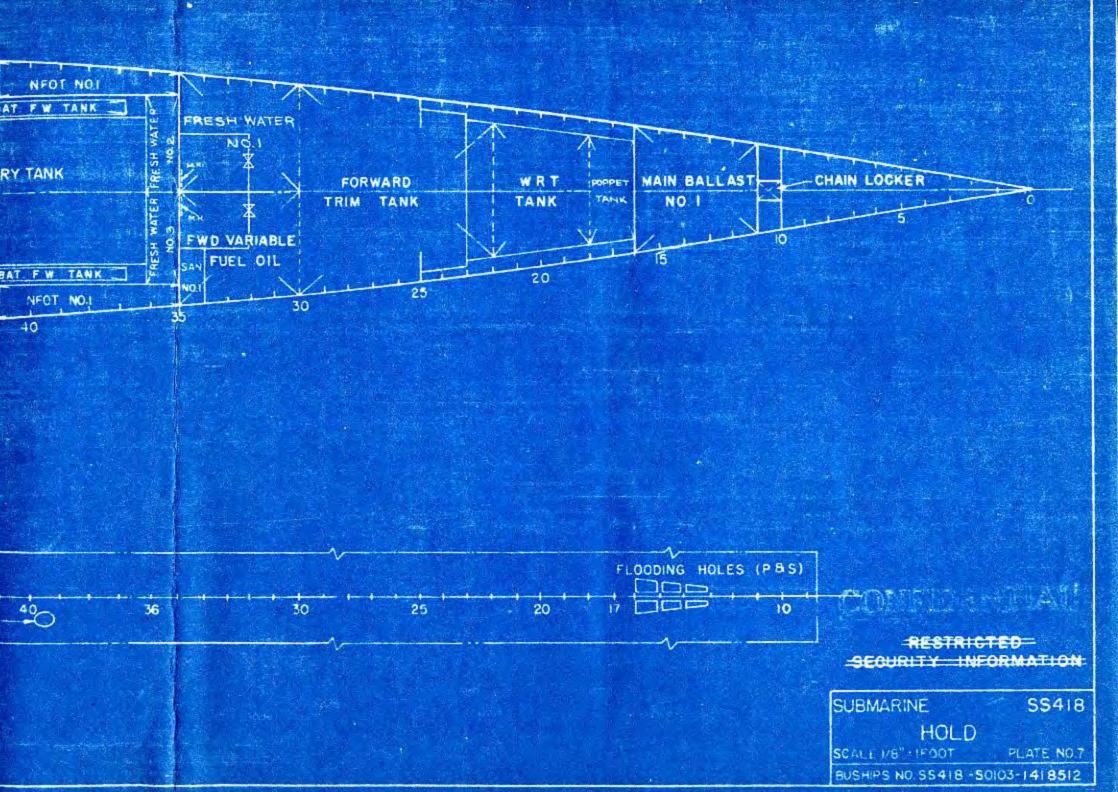
#### CAPACITIES

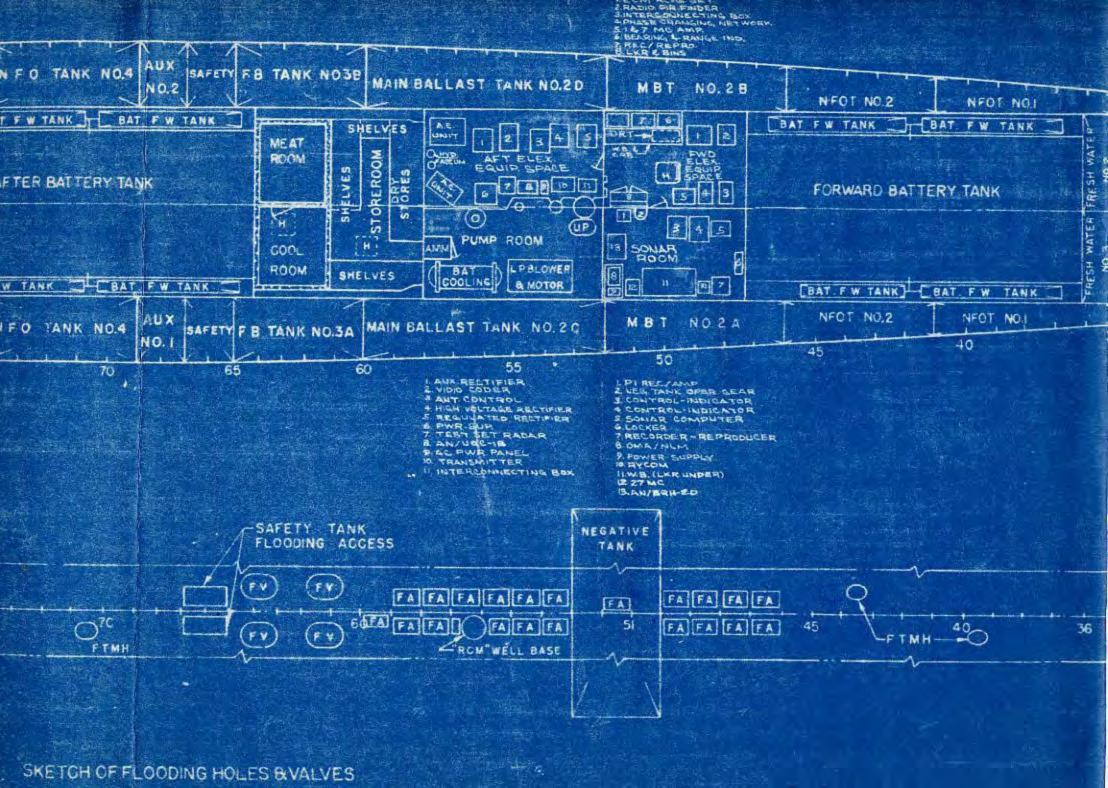
_	_	-			
	GAL	TONSISW	FUEL OIL TANKS	GAL	TONSOIL
	6964	26 61	NO I NORMAL FUEL OIL	11400	O'LOGGICAL CONTRACTOR OF THE PERSON NAMED IN COLUMN 1
	16367	62.54	NO.2 NORMAL FUEL DIL	13050	CONTRACTOR OF THE PARTY OF THE
	27000	103.17		20413	STREET, STREET
	30836	117.83	NO. 6 NORMAL FUEL OIL	10827	DATE OF THE PARTY
1	26190	100.04	FUEL OIL COLLECTING	2210	SAN DELEGISTRA
	6343	24.23		2210	6.86 6.86
	113700	434.42		379	1.18
4	17730	67.75	NO 2 CLEAN FUEL OIL 95% CAP	379	PERSONAL PROPERTY.
	0		TOTAL	60868	1 18
	20055	76 63	VARIABLE FUEL OIL	00000	189.02
	37785	144 38	FWD STBD 95% CAP.	3065	050
	151485	578.80	AFTER PORT & STBD 95 % CAP.	9364	9.5 <b>2</b> 29.08
	GAL	TONS(SW)	TOTAL	12429	THE RESERVE OF THE PARTY OF THE
	3262	12 46	FUEL BALLAST		38.60
	3262	12.46	NO. 3A & 3B	17368	F7 04
	6980	26.66		17300	53.94
()	1621	6 19	NO. 5A A 5B	19614	60.91
	5035	19.24	TOTAL	36982	114.85
	1382	5.28	COMBINED TOTAL	S. Statement of the later of th	342.47
_ !	3168	12 10	FRESH WATER TANKS		ONS(FW)
	24710	94.39	NO. I	3375	12.53
-			NO. 2 & 3	1980	
	3834	14.65	TOFAL	5355	7.35
	100		BATTERY FRESH WATER		12.00
			FWD	598	2.22
	320	1.22	AFT	598	2.22
	830	3 17	TOTAL	1196	2.22
	-		COMBINED TOTAL	6551	24.32
	1150	4.39			-1.52

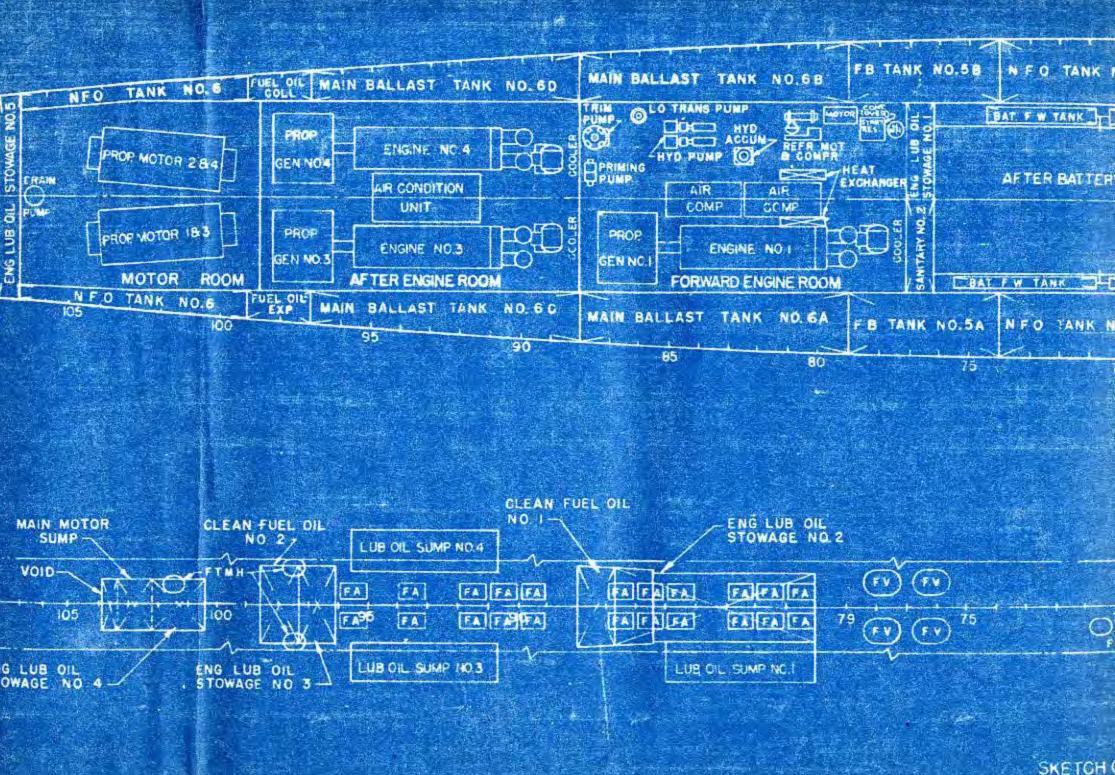
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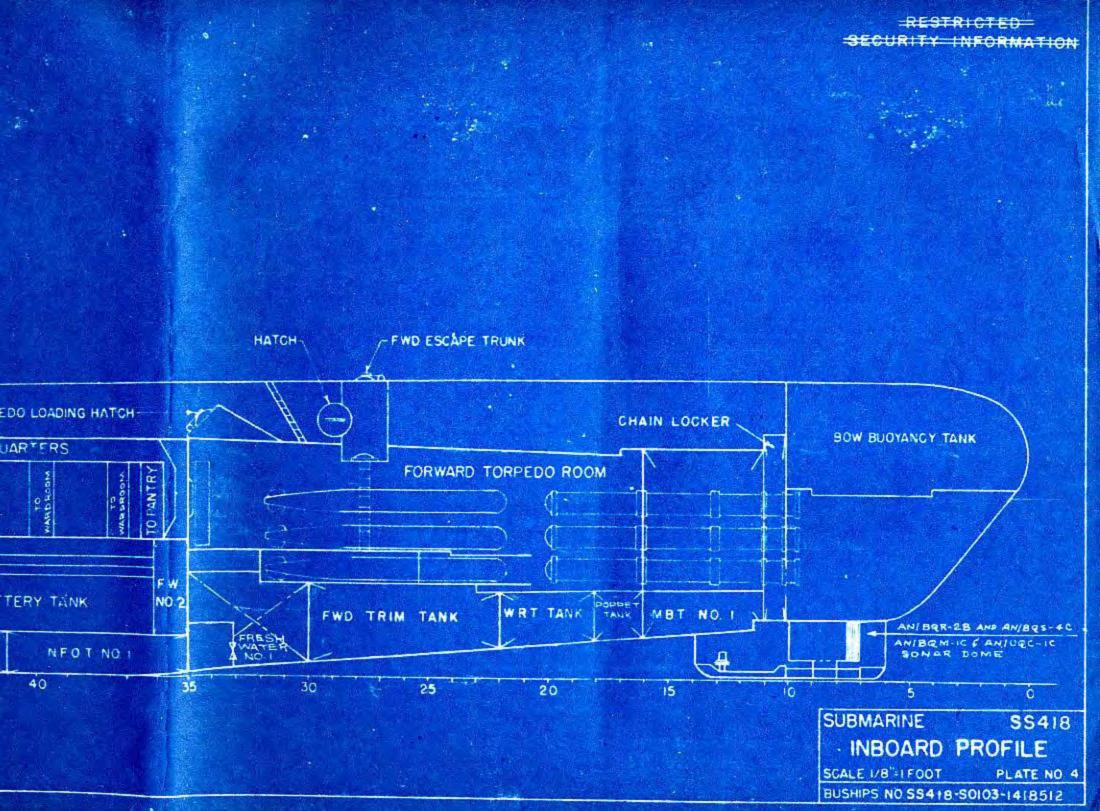
#### CAPACITIES

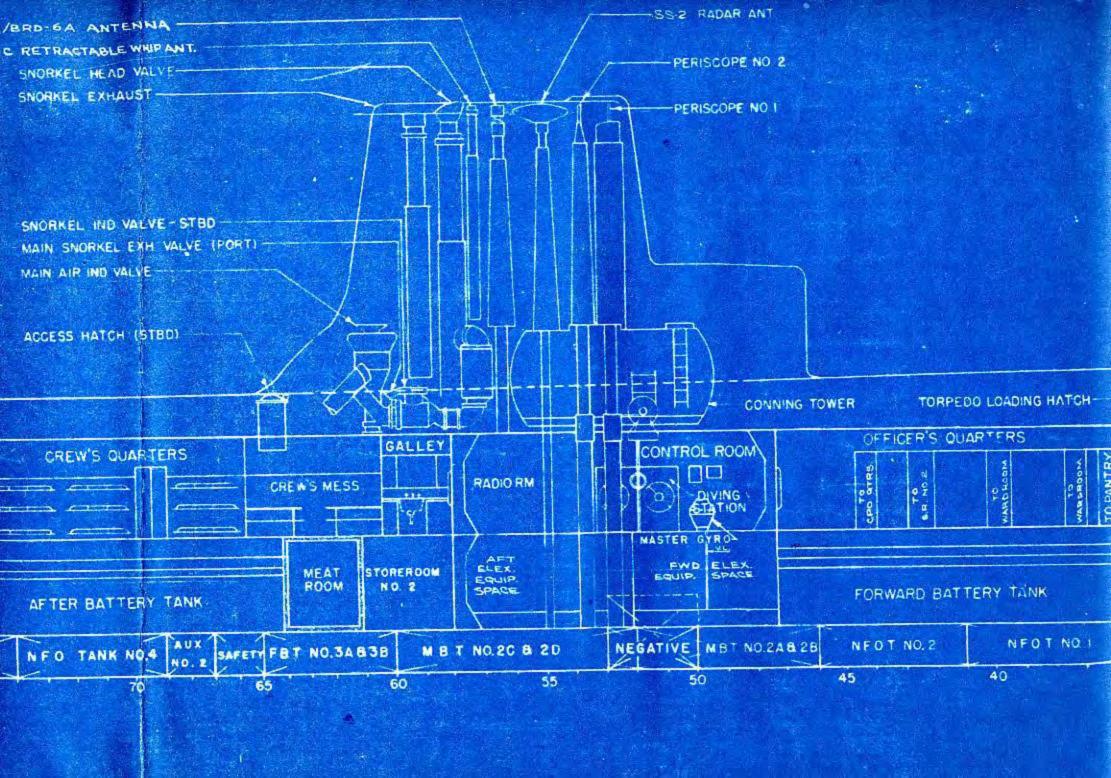
BALLAST TANKS	GAL	TONS(SW)	FUEL OIL TANKS
NO I MAIN BALLAST	6964	26.61	NO I NORMAL FUEL OIL
NO. 2A & 2B	16367	62.54	NO.2 NORMAL FUEL OIL
NO 2C & 2D	27000	103.17	NO 4 NORMAL FUEL OIL
NO. 6A B 6B	30836	117.83	NO 6 NORMAL FUEL OIL
NO.6C & 6D	26190	100.04	FUEL OIL COLLECTING
SAFETY	6343	24.23	FUEL OIL EXPANSION
TOTAL	113700	434.42	NO I CLEAN FUEL OIL 95% CA
NO 3 FUEL BALLAST (NO 3A 8 3B)	17730	67.75	NO 2 CLEAN FUEL OIL 95% C
			TOTAL
NO. 5 FUEL BALLAST (NO. 5A & 5B)	20055	76 63	VARIABLE FUEL OIL
TOTAL	37785	144 38	FWD STBD 95% CA
COMB. TOTAL	151485	578.80	AFTER PORT & STBD 95 % CA
VARIABLE BALLAST TANKS	GAL	TONS(SW)	TOTAL
NO I AUXILIARY	3262	12 46	FUEL BALLAST
NO. 2 AUXILIARY	3262	12.46	NO. 3A & 3B
FORWARD TRIM	6980	26.66	
FORWARD WRT	1621	6 19	
AFTER TRIM	5035	19.24	TOTAL
AFTER WRT	1382	5.28	
NEGATIVE	3168	12 10	FRESH WATER TANKS
TOTAL	24710	94.39	NO. 1
			NO. 2 & 3
BOW BUOYANCY	3834	14.65	TOFA
			BATTERY FRESH WATER
SANITARY TANKS			FWD
NO I SANITARY (FWD)	320	1.22	AFT
NO. 2 SANITARY (AMIDSHIPS)	830	3 17	TOIL
			COMBINED TOT
TOTAL	1150	4.39	The first of the second







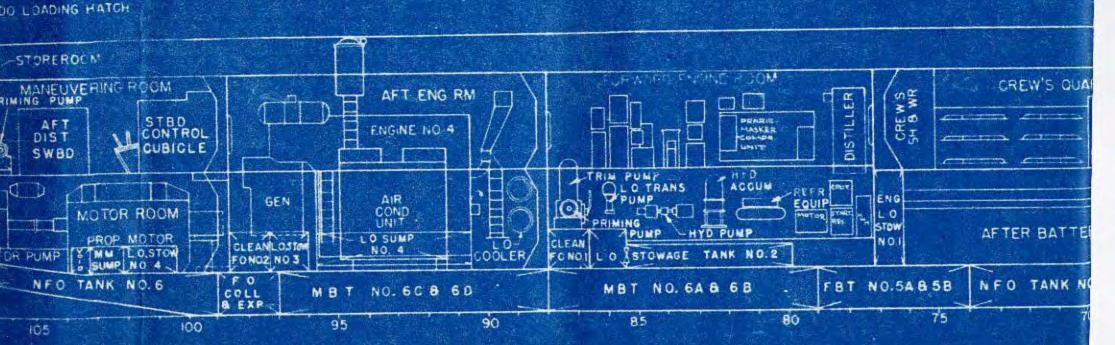


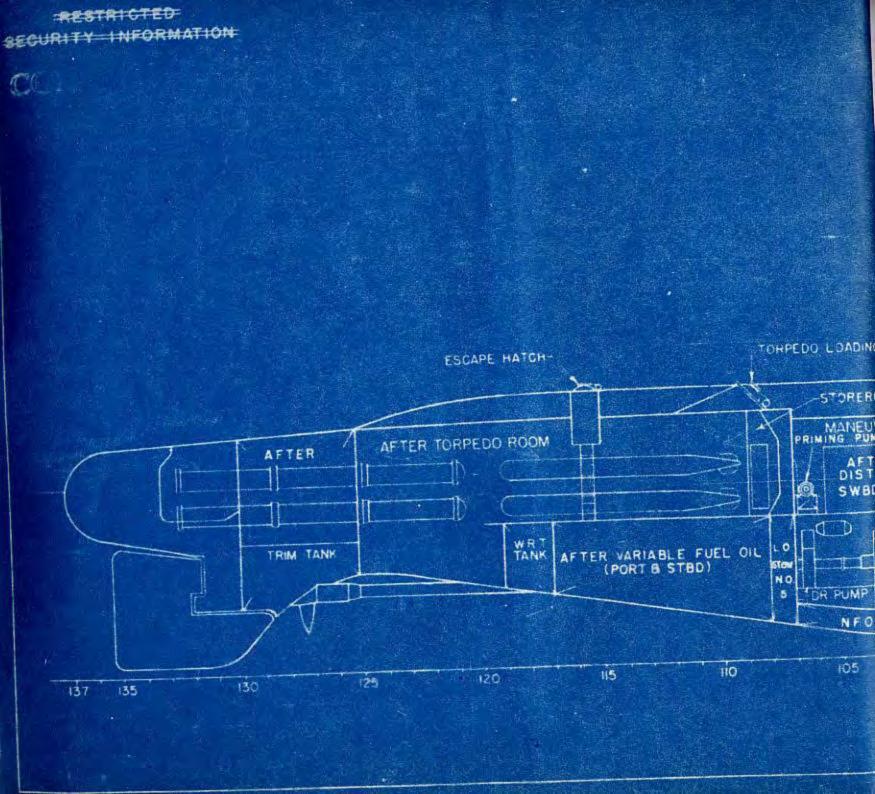


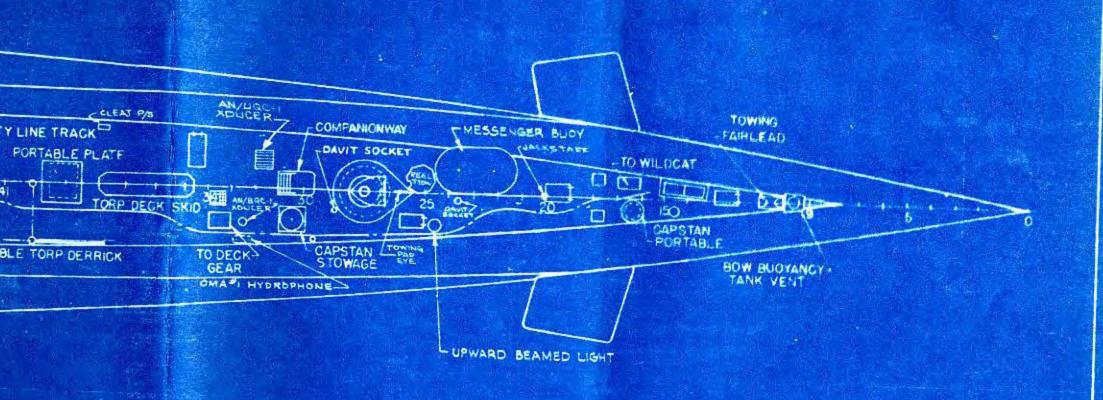
AN /BRD-6A ANTEN AT-88/BRC RETRACTABLE W SNORKEL HEAD V SNORKEL EXHAUS

> SNORKEL IND VA MAIN SNORKEL EX MAIN AIR IND VALA

ACCESS HATCH







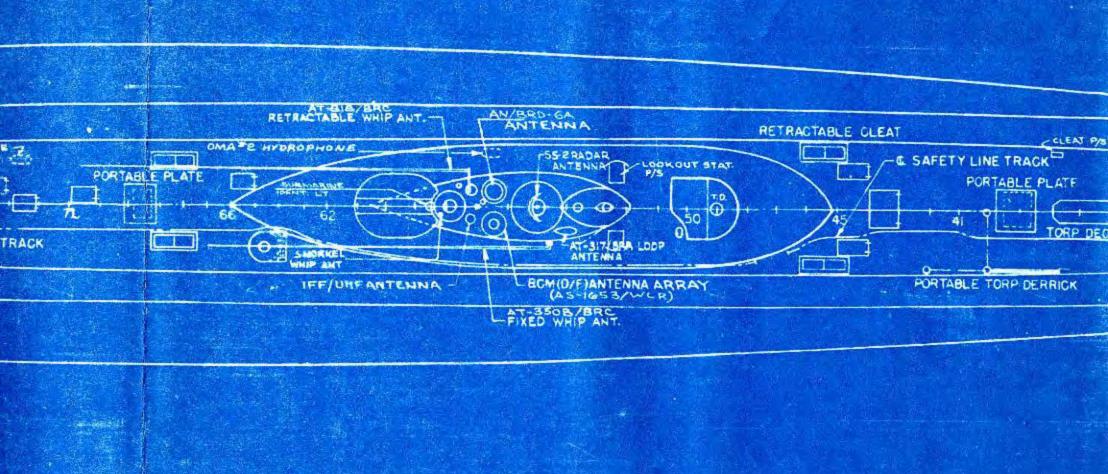
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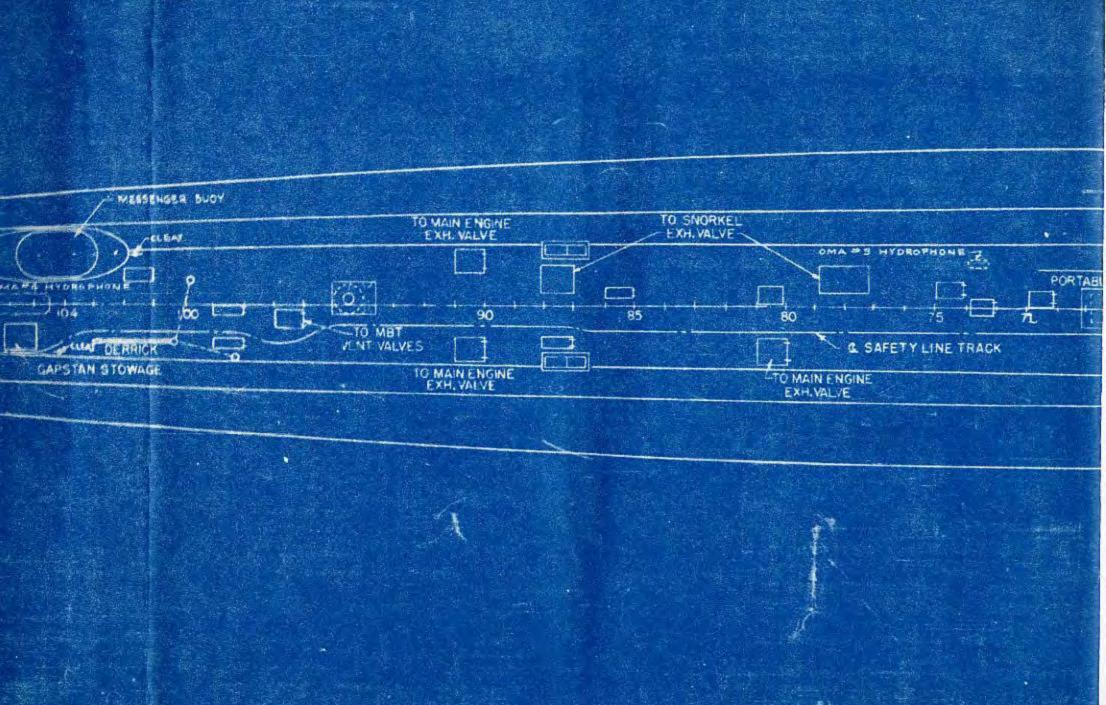
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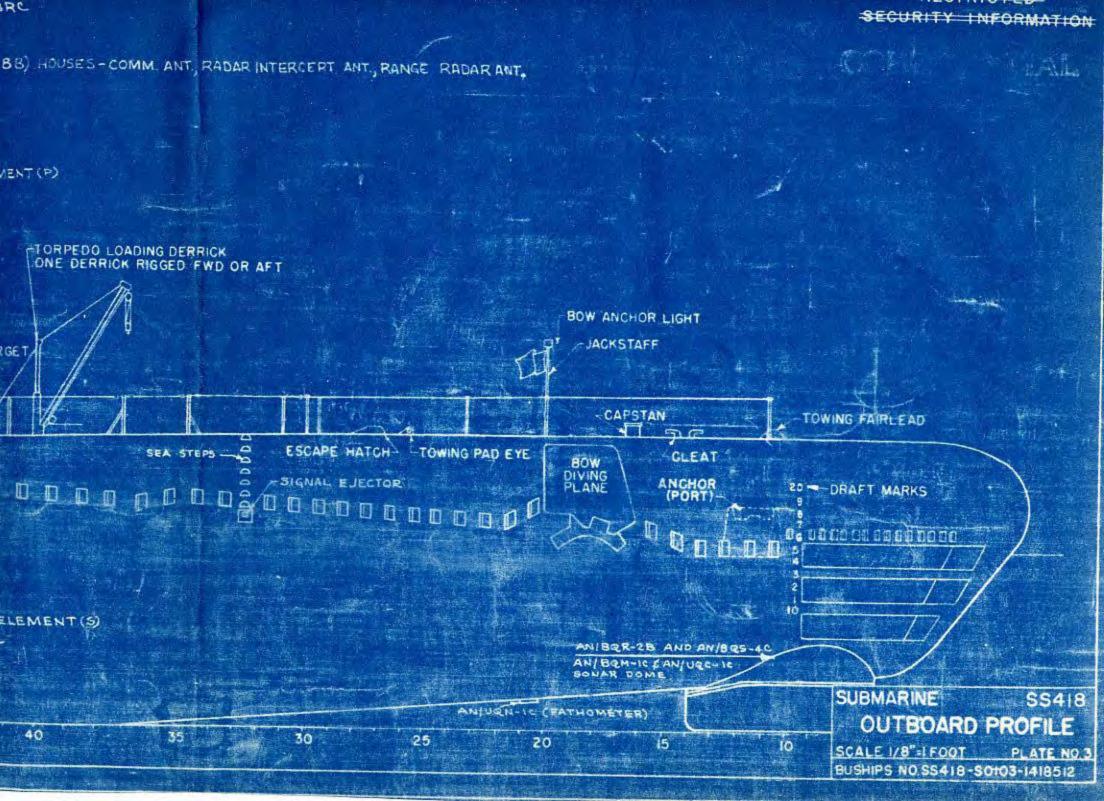
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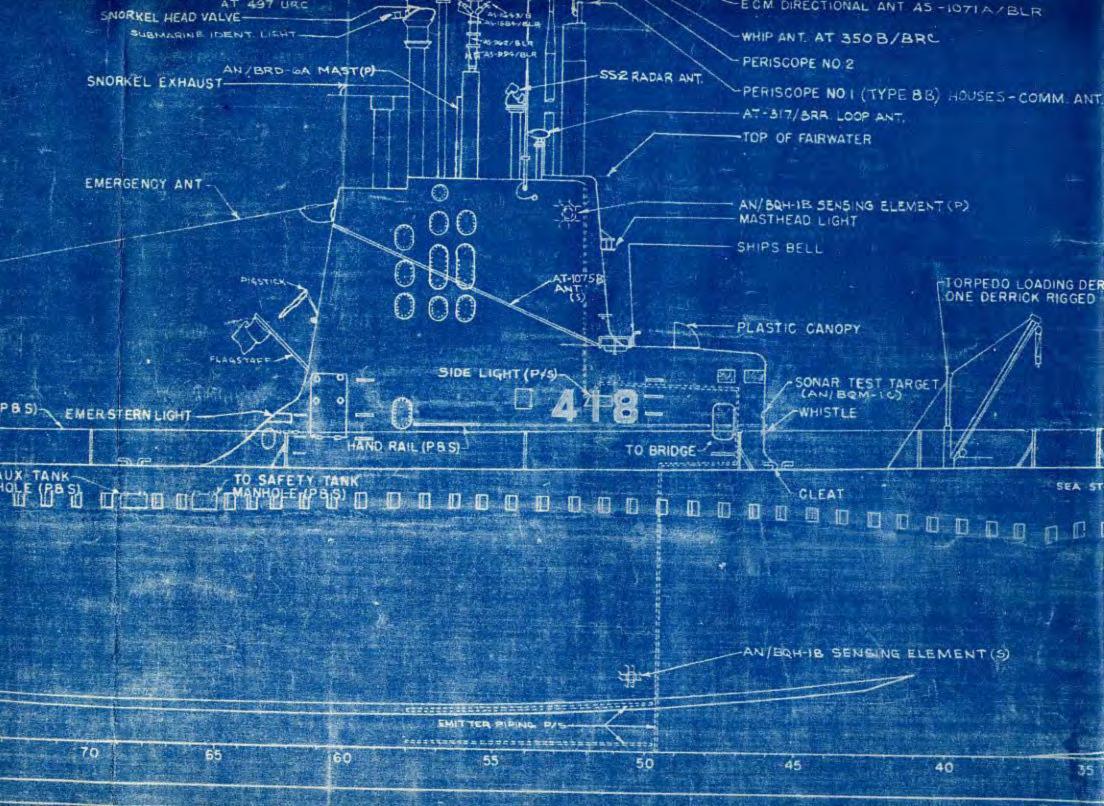
. MAIN DECK

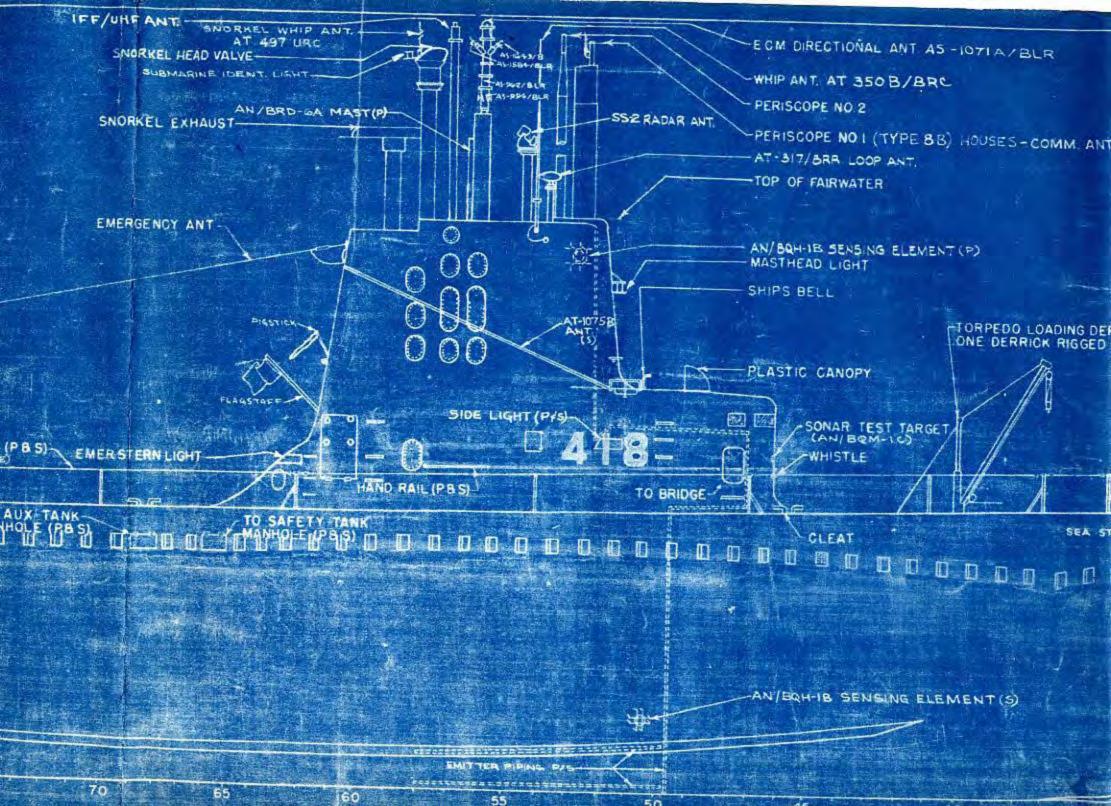
PLATE NOS

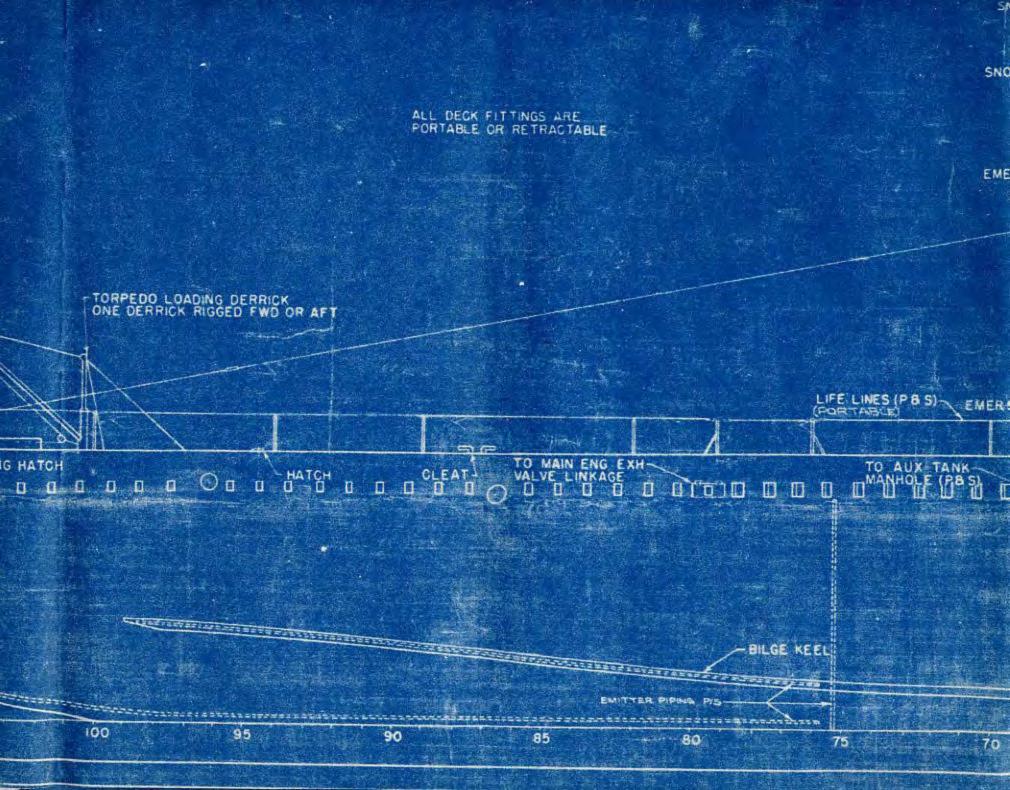


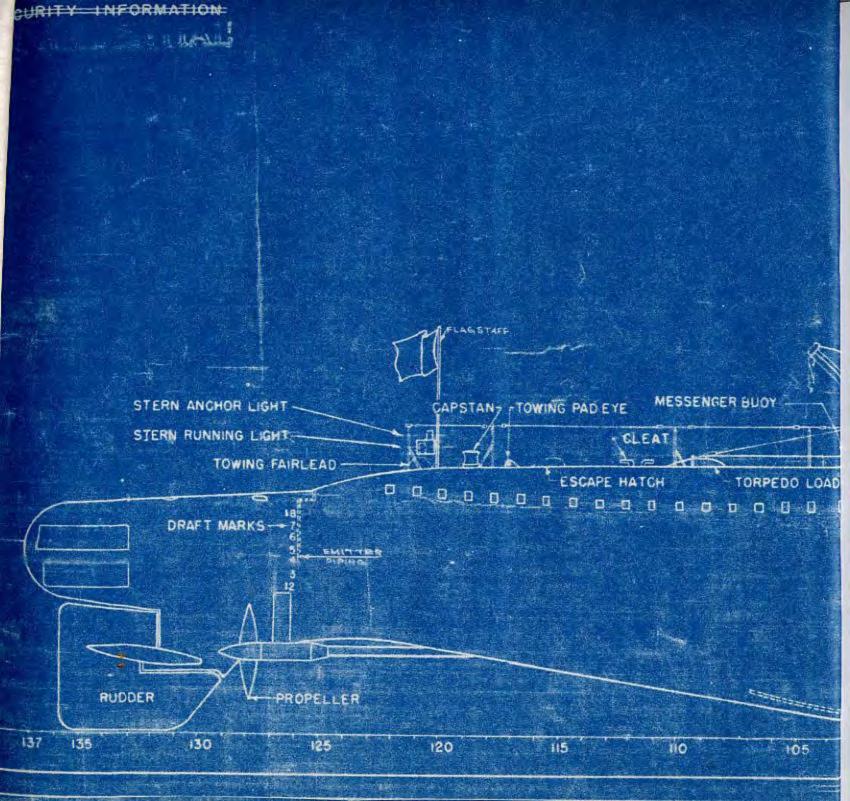


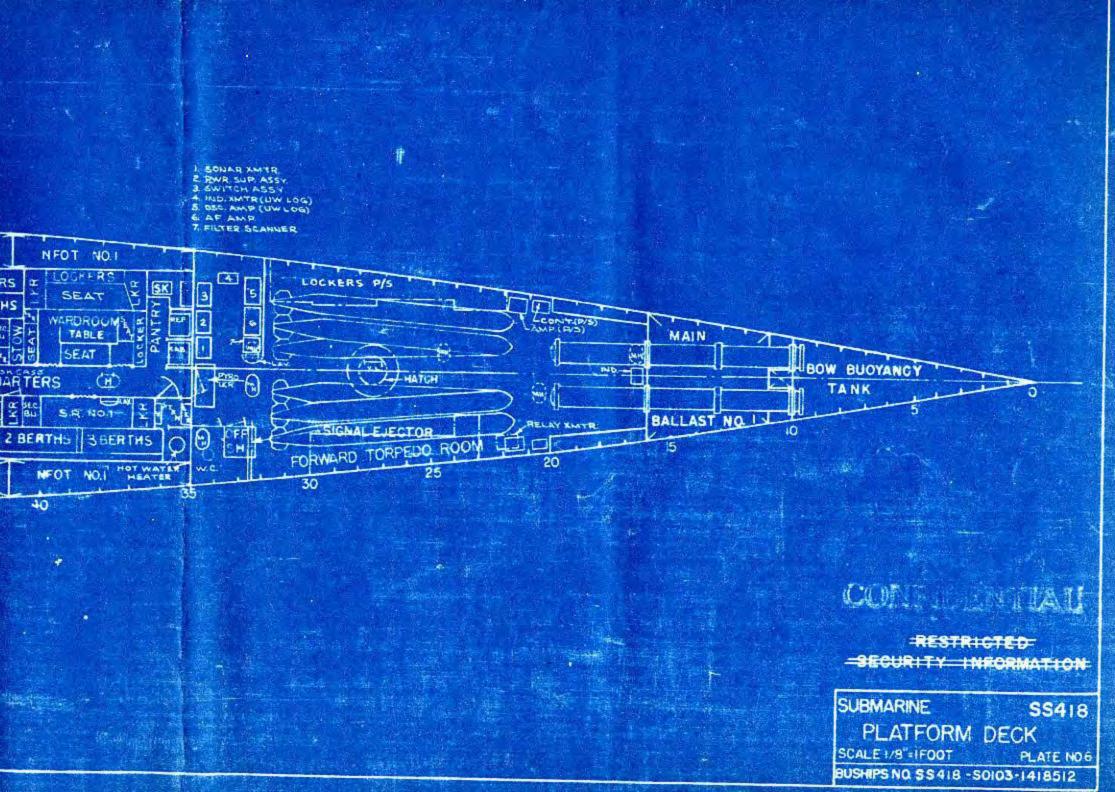


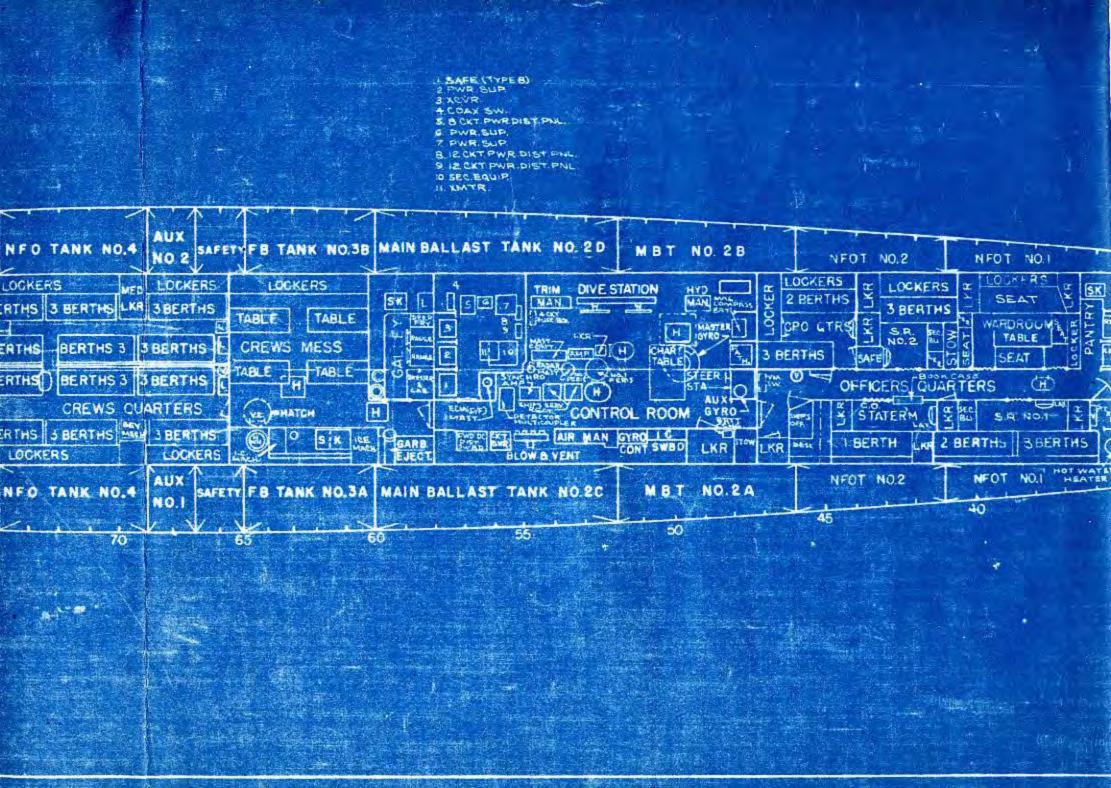












E GYRO COMPR MYS SET 3 25 KVA CONT A 25 KYA VOL REG GRE KVA CONT. 7 HYD PWR PLANT CONT S HYD. PWR PLANT CONT. IL HWH CONT ILES KVA CONT IN PRARIE-MASKER COMOR UNIT TE COMPR CONT PUL NO. MAIN BALLAST TANK NO. 68 NFO TANK NO.4 FUEL OIL MAIN BALLAST TANK NO. 6 D NFO TANK NO.5 COLL PUMP AFT DIST SWED Z LOCKERS PORT 8 1 3 BERTHS 3 BERTHS LK ENGINE NO. 4 PRIMING PUMP CONTROL 7 CUBICLE 8 9 10 EMAR BERTHS BERTHS 3 TE H ä 3 BERTHS BERTHS 3 STBD HRINAL CREWS Q ENGINE NO.3 CONTROL ENGINE NO! 3 BERTHS M 3 BERTHS CUBICLE A C SWED AFTER ENGINE ROOM PHOLEIER FORWARD ENGINE ROOM LOCKERS NFO TANK NO.6 MAIN BALLAST TANK 105 NO. 6 C MAIN BALLAST TANK NO.6A FB TANK NO. 5A NEO TANK NO.4 100 95 90 85 80

