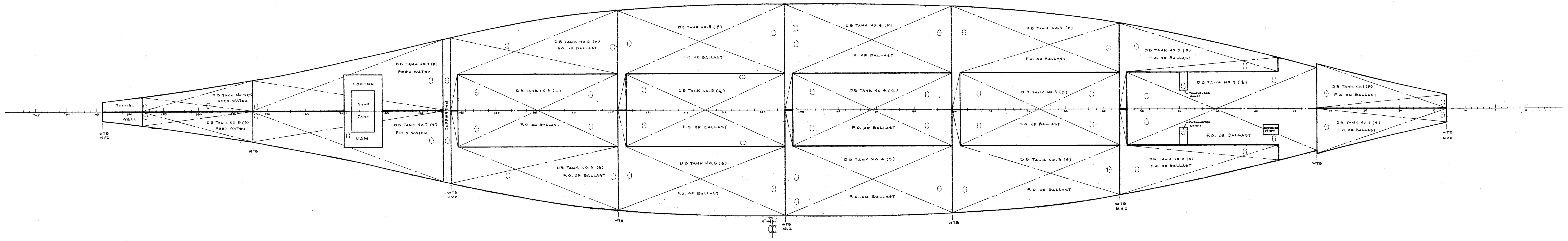


USNS GEN HOYT S VANDENBERG

DOUBLE BOTTOM TANKS

DR WB	MSC PLAN NO.	
CHKD JJA	T-AGM10-845-4838587	
APPD TA		
DATE	SCALE: 1/16"=1'-0"	PAGE 14 OF 14

FUEL OIL OR SALT WATER

NO.	TANK	FRAMES	C OF G FROM ⊠	C OF G FROM BL	FUEL OIL 98% FULL GALLONS	BARRELS	TONS	SW BALLAST 100% FULL TONS
1	6-13-1	13-32	197.4	4.4	17808	424.0	64.0	69.5
1	6-13-2	13-32	197.4	4.4	17808	424.0	64.0	69.5
2	6-32-0	32-57	148.6	2.5	51437.4	1224.7	185.0	200.8
2	6-37-1	37-58	134.7	2.8	14401.8	342.9	51.8	56.2
2	8-37-4	37-58	134.7	2.8	14401.8	342.9	51.8	56.2
3	6-58-0	58-79	88.3	2.5	44100	1050.0	158.6	172.1
3	6-58-1	58-80	85.4	2.5	31168.2	742.1	112.1	121.7
3	6-58-2	58-80	85.4	2.5	31168.2	742.1	112.1	121.7
4	6-80-0	80-101	33.3	2.5	44625	1062.5	160.5	174.2
4	6-80-1	80-102	31.8	2.5	38119.2	907.6	137.1	148.8
4	6-80-2	80-102	31.8	2.5	38119.2	907.6	137.1	148.8
5	6-102-0	102-123	-21.7	2.5	44520	1060.0	160.1	173.8
5	6-102-1	102-124	-22.2	2.5	36729	874.5	132.1	143.4
5	6-102-2	102-124	-22.2	2.5	36729	874.5	132.1	143.4
6	6-124-0	124-145	-76.7	2.5	44293.2	1054.6	159.3	172.9
6	6-124-1	124-146	-74.6	2.6	23801.4	566.7	85.6	92.9
6	6-124-2	124-146	-74.6	2.6	23801.4	566.7	85.6	92.9
	DEEP TANKS							
1	5-58-1	58-69	100.2	11.0	41874	997.0	150.6	163.5
1	5-58-2	58-69	100.2	11.0	41874	997.0	150.6	163.5
2	5-69-1	69-80	73.2	11.0	43596	1038.0	156.8	170.2
2	5-69-2	69-80	73.2	11.0	43596	1038.0	156.8	170.2
	SETTLING TANKS							
1	5-172-1	172-181	-180.0	12.5	10344.6	246.3	37.2	–
2	5-172-2	172-178	-176.9	12.4	9997.4	238.0	35.9	–

POTABLE AND FRESH WATER

NO.	TANKS	FRAMES	C OF G FROM ⊠	C OF G FROM BL	100% FULL GALLONS	TONS
	CYLINDRICAL TANK					
	5-139-1	139-145	-95.5	14.5	21867	81.2
	5-139-2	139-145	-95.5	14.5	21867	81.2
	DOUBLE BOTTOM TANK					
7	6-147-1	147-172	-134.3	2.8	24560	91.2
7	6-147-2	147-172	-134.6	2.8	24102	89.5
8	6-172-1	172-188	-186.2	2.9	6975	25.9
8	6-172-2	172-188	-186.2	2.9	6975	25.9
	DISTILLED WATER TANK					
	5-168-1	168-171	-164.4	11.5	1804	6.7
	5-168-2	168-171	-164.4	11.5	1804	6.7
	PEAK TANK					
	6-0-0	0-13	230.6	14.8	21598	80.2
	5-194-0	194-STERN	-230.6	28.2	43707	162.3

LOCKED-IN FRESH WATER BALLAST

SPACE	COMPT NO.	FRAMES	C OF G FROM ⊠	C OF G FROM BL	TONS
DEEP TANK NO. 1	5-58-4	58-69	100.8	11.5	123.3
DEEP TANK NO. 1	5-58-3	58-69	100.8	11.5	123.3
DEEP TANK NO. 2	5-69-4	69-80	73.2	11.5	136.7
DEEP TANK NO. 2	5-69-3	69-80	73.2	11.5	130.3
CYLINDRICAL TANK	5-125-2	125-131	-60.5	14.5	81.2
CYLINDRICAL TANK	5-125-1	125-131	-60.5	14.5	81.2
CYLINDRICAL TANK	5-132-2	132-138	-78.0	14.5	81.2
CYLINDRICAL TANK	5-132-1	132-138	-78.0	14.5	81.2

FIXED BALLAST

SPACE	COMPT NO.	C OF G FROM ⊠	C OF G FROM BL	TONS	FRAMES
NO. 2 HOLD		143.9	7.60	1326	
NO. 3 HOLD		87.0	6.00	300	
NO. 5 HOLD		-14.3	6.80	401	
NO. 6 HOLD		-73.9	6.87	467	
SHAFT ALLEY		-204.9	4.91	46	

DIESEL OIL AND LUBRICATING OIL

NO.	TANK	FRAMES	C OF G FROM ⊠	C OF G FROM BL	98% FULL GALLONS	BARRELS	TONS
	DIESEL OIL						
	EMERGENCY GEN. 03-150-0	150-152	-118.4	74.1	345.329	8.222	1.1
	GALLEY & COLD START 03-150-0	150-152	-118.4	74.1	1569.678	37.373	5.0
	LUBO						
	SETTLING 3-159-2	159-164	-144.4	30.5	1893.749	45.089	6.5
	STORAGE 3-159-4	159-162	-142.0	30.4	1893.749	45.089	6.5
	GRAVITY 1-159-1	159-162	-141.7	50.7	1019.711	24.278	3.5
	1-159-2	159-162	-141.7	50.7	1019.711	24.278	3.5

CONVERSION TABLE

1 TON	2240 POUNDS	1 CUBIC FOOT	7.48 GALS.
1 TON SALT WATER	35.0 CU FT	1 TON DIESEL OIL	313.9 GALS.
1 TON FRESH WATER	36.0 CU FT	1 TON LUBE OIL	291.3 GALS.
1 TON DIESEL OIL	41.97 CU FT	1 TON FRESH WATER	269.3 GALS.
1 TON LUBE OIL	38.95 CU FT	1 TON SALT WATER	261.8 GALS.
1 TON FUEL OIL	37.23 CU FT	1 TON FUEL OIL	278.5 GALS.
1 BARREL	42.0 GALS.		

REFRIGERATED STORES

SPACE		TEMP. °F	LOCATION DECK	FRAMES	SIDE	NET CUBIC FT.
FILM STOWAGE	5-80-2	40	TANK TOP	80-83	P	280
MILK, BUTTER & EGGS	5-80-3	35	TANK TOP	80-84	S	1170
POULTRY	5-80-4	4	TANK TOP	80-85	P	880
THAW ROOM	5-83-2	38	TANK TOP	83-93	P	970
FRUITS & VEGETABLES	5-84-1	38	TANK TOP	84-102	S	5665
FISH	5-85-2	3	TANK TOP	85-88	P	605
MEAT	5-88-2	8	TANK TOP	88-102	P	4500
ICE	5-96-1	34	TANK TOP	96-98	S	175
ICE CREAM	5-98-0	-1	TANK TOP	98-102	S	465

SHIPS STORES

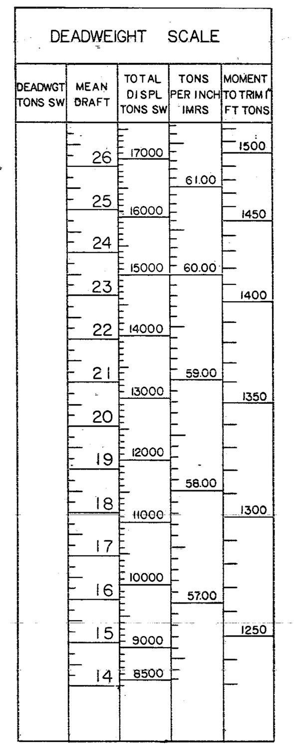
SPACE	COMPT NO.	FRAMES	C OF G FROM ⊠	C OF G FROM BL	CU. FT. NET	GROSS	SQ. FT.
BOSNS STORES	1-A-0	A-7	243.2	48.0	1215		
BOSNS STORES	1-194-2	194-199	-225.0	48.0	1620		
CARPENTER STORES	1-205-1	205-214	-250.0	48.0	1225		
BOSNS STORES	2-3-0	3-10	238.2	39.0	995		
MED STORES	2-115-2	115-119					
STORE RM	2-146½-2	146½-151½					
ENGR'S STORES NO. 1	3-153-1	153-159	-130.5	30.0	1800		
ENGR'S STORES NO. 2	3-153-2	153-159	-130.5	30.0	2145		
LINEN STORE ROOM	3-189-0	189-194	-211.0	30.0	1928		
ENGR'S STORES	4-69-0	69-80	72.6	21.1	8059		
STWD'S DRY STORES	4-80-0	80-102	34.5	21.0	5200		
ENGR'S STORES	4-172-0	172-194	-195.3	21.0	6650		
STORES	2-181-2	181-183	-197.6	39.0	1272		
BAKERY STORES	3-86½-1	86-91	38.3	21.0	2190		

MISC. LOCKERS

SPACE	COMPT NO.	FRAMES	C OF G FROM ⊠	C OF G FROM BL	CU. FT. NET	GROSS	SQ. FT.
NAVIGATION GEAR LOCKER	03-63-3	63-68					
DECK GEAR LOCKER	02-153-1	153-155½					
DK GEAR LOCKER	02-149-1	149-153					
LOCKER	01-34½-0	34½-37					
LOCKER	01-32½-1	32½-35					
LOCKER	01-57-1	57-59					
D.C. LOCKER	01-73½-1	73½-80					
LOCKER	01-101-2	101-102					
LIN LKR	01-138½-1	138½-140					
CG LKR	01-140-1	140-141					
D.C. LKR	01-159-1	159-161					
LKR	01-78½-1	78½-80					
LKR	01-78½-2	78½-80					
DK. LKR	01-181-1	181-184½					
OIL FILTER LKR	01-184½-1	184½-187					
BOSNS LKR	1-7-0	7-13	228.3	48.0	1300		
CHAIN LKR	1-10-0	10-13					
SPARE BULB LKR	1-50-2	50-54	129.5	48.0	320		
LIN LKR	1-52½-2	52½-54					
DK. LKR	1-58-3	58-62					
STWDS LKR	1-169-2	169-172					
CG LKR	1-190-2	190-192					
PAINT AND LAMP LKR	1-194-1	194-199					
PAINT LKR	1-205-2	205-214					
STWDS LKR NO. 7	2-102-2	102-105					
C.G. LKR	2-113-2	113-115					
LIN LKR	2-113-4	113-115					
LOCKER	2-124-2	124-128					
DATA LKR	2-143-1	143-146					
DATA BOX LKR NO. 1	2-143-2	143-146					
DATA BOX LKR NO. 2	2-143-4	143-146					
LIN LKR NO. 6	2-147-1	147-150					
LIN LKR NO. 7	2-147-2	147-150					
EMER. GR. LKR. NO. 2	2-160-1	160-162½	-143.0	39.0	336		
EMER. GR. LKR. NO. 1	2-160-2	160-162½	-143.0	39.0	496		
C.G. LKR	2-164-1	164-166	-153.0	39.0	200		
C.G. LKR	2-178-1	178-179					
LIN. LKR	2-181-1	181-184					
LIN. LKR	2-181-2	181-183½					
STWD'S LKR	2-190-2	190-194					

LIFEBOATS AND RAFTS

COMPONENT	NO.	FRS	DK	CAP	TOTAL CAP
LIFEBOATS					
26'-0" MOTOR	1	63-73	02 LVL	43	
26'-0" MOTOR	2	63-73	02 LVL	43	
26'-0" MOTOR	3	64-74	01 LVL	43	
26'-0" MOTOR	4	64-74	01 LVL	43	172
LIFE RAFTS					
CO_2 INFLATABLE	1	62-63	01 LVL	15	
CO_2 INFLATABLE	2	62-63	01 LVL	15	
CO_2 INFLATABLE	3	150-152	01 LVL	15	
CO_2 INFLATABLE	4	150-152	01 LVL	15	
CO_2 INFLATABLE	5	155-156	01 LVL	15	
CO_2 INFLATABLE	6	155-156	01 LVL	15	
CO_2 INFLATABLE	7	162-163	01 LVL	15	
CO_2 INFLATABLE	8	162-163	01 LVL	15	
CO_2 INFLATABLE	9	167-168	01 LVL	15	
CO_2 INFLATABLE	10	167-168	01 LVL	15	150 / 322
WHALE BOAT					
26'-0" MOTOR	1	132-142	02 LVL		
WORK BOAT					
26'-0" MOTOR	1	131-141	01 LVL		



DIMENSIONS AND DATA

LENGTH, OVERALL .... 522'-10-1/2"
LENGTH, BETWEEN PERPENDICULARS .... 496'-0"
LENGTH, DESIGNED AT D.W.L. (30'-0") .... 500'-7"
BREADTH, EXTREME .... 71'-8-1/4"
BREADTH, MOLDED .... 71'-6"
DEPTH, MOLDED TO MAIN DECK AT SIDE ⊠ .... 43'-6"
DRAFT, MOLDED TO SUMMER LOAD LINE .... 26'-3-7/8"
DRAFT, DESIGNED LOAD MOLDED .... 30'-0"

TONNAGE:	U.S.	PANAMA	SUEZ
GROSS	12848	13642	13642
NET	8055	9668	10400

PROPULSION MACHINERY
SINGLE SCREW DOUBLE BOILER SINGLE GT ENGINE WITH TOTAL S.H.P. OF 9000 AT 500 KW.
AUXILIARY GENERATOR IS 75 KW, 110 D.C.
ENGINE MANUFACTURED BY WESTINGHOUSE.
BOILERS ARE B & W EXPRESS TYPE.
MAIN GENERATORS ARE MANUFACTURED BY WORTHINGTON.
AUXILIARY GENERATOR MANUFACTURED BY CROCKER-WHEELER.

TOTAL ACCOM

OFFICERS	21+2SP
CPO	11+5SP
CREW	55+7SP
TECHNICIANS	120+0SP
	210+14SP

USNS GEN HOYT S VANDENBERG

GEN INFORMATION AND DATA

DR WB	MSC PLAN NO.	
CHKD JJA	T-AGM10-845-4838587	
APPD TA		
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BOOKLET INDEX & REVISIONS

PAGE	TITLE	LATEST REVISION NO	INITIAL	DATE
1	COVER SHEET	A	JJA	11/80
2	GEN INFORMATION AND DATA			
3	OUTBOARD PROFILE			
4	INBOARD PROFILE			
5	04 & 05 LEVELS (RDR DK & TOP OF HSE)			
6	03 LEVEL (NAVAL BRIDGE DECK)			
7	02 LEVEL (BRIDGE DECK)			
8	01 LEVEL (SUPERSTRUCTURE DECK)			
9	MAIN DECK (UPPER DECK)			
10	SECOND DECK			
11	THIRD DECK			
12	FIRST PLATFORM			
13	TANK TOP			
14	DOUBLE BOTTOM TANKS			

CORRECTED TO SUIT SHIP

PLACE	DATE	APPROVED BY
COMSCLANT	11/80	John J. Amich

T-AGM 10

USNS GEN HOYT S VANDENBERG

(C4-S-A1)

BOOKLET OF GENERAL PLANS

DEPARTMENT OF THE NAVY WASHINGTON, D.C.

MILITARY SEALIFT COMMAND

TECHNICAL DIVISION COMSC

APPROVED [signature] DATE 5/18/78
FOR COMSC

MSC PLAN NO. T-AGM 10-845-4838587 REV A

PAGE 1 OF 14

REVISIONS

LTR	ZONE	DESCRIPTION	DATE	APPROVED
A		REVISED BY COMSCLANT	11/80	JJA

GENERAL NOTES

USNS GEN HOYT S VANDENBERG	T-AGM 10	C4-S-A1
NAME	NO	DESIGN

APPLICABLE SHIPS
ENGINEERING PROJECT NUMBER

NO	PLAN NO	TITLE

REFERENCES

DEPT OF THE NAVY
MILITARY SEALIFT COMMAND
WASHINGTON D.C. 20390

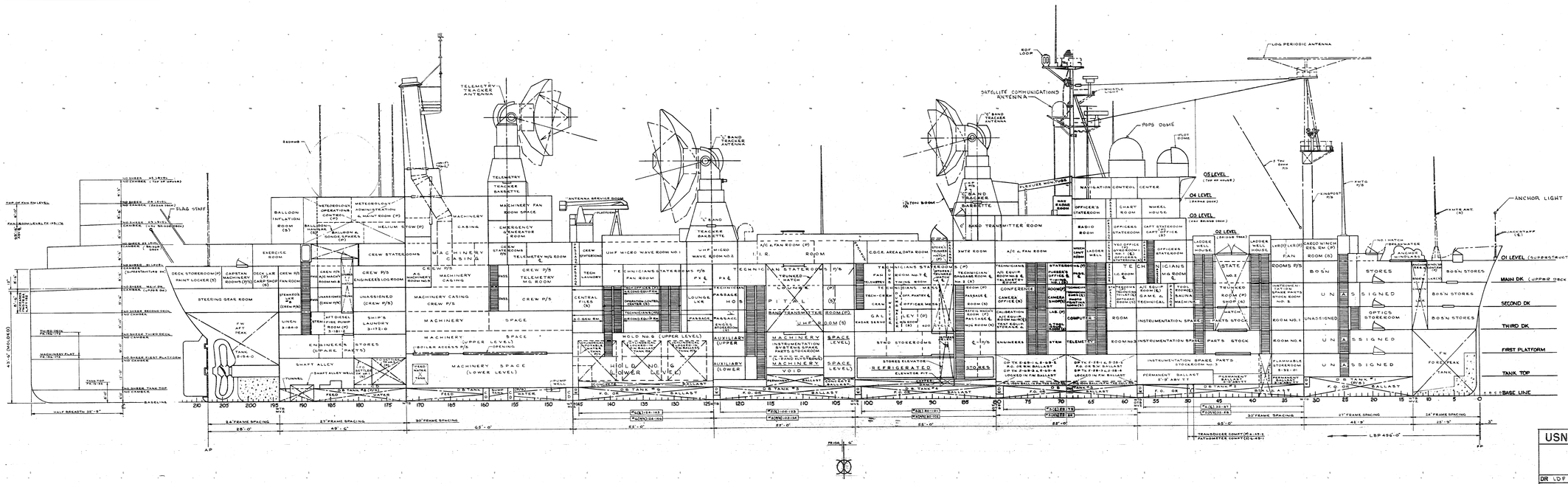
DRAWN LDF-PD	CHECKED JJA
[signature] 5/18/78 NAV ARCH BRANCH	
[signature] 5/18/78 TECH DIVISION	
[signature] 5/18/78 ENGINEERING	
[signature] 5/18/78 APPROVED FOR COMSC	
SELECTED RECORD PLAN	

USNS GEN HOYT S VANDENBERG
(T-AGM 10)
BOOKLET OF GENERAL PLANS

SIZE	CODE IDENT NO	MSC PLAN NO	REV.
H	94421	T-AGM 10-845-4838587	A
SCALE: AS SHOWN		SHEET 1 OF 5	

T-AGM 10-845-4838587

MSC FORM 4121/1 (12-74)



USNS GEN HOYT S VANDENBERG

INBOARD PROFILE

DR LDF	MSC PLAN NO.	
CHKD JJA	T-AGM10-845-4838587	
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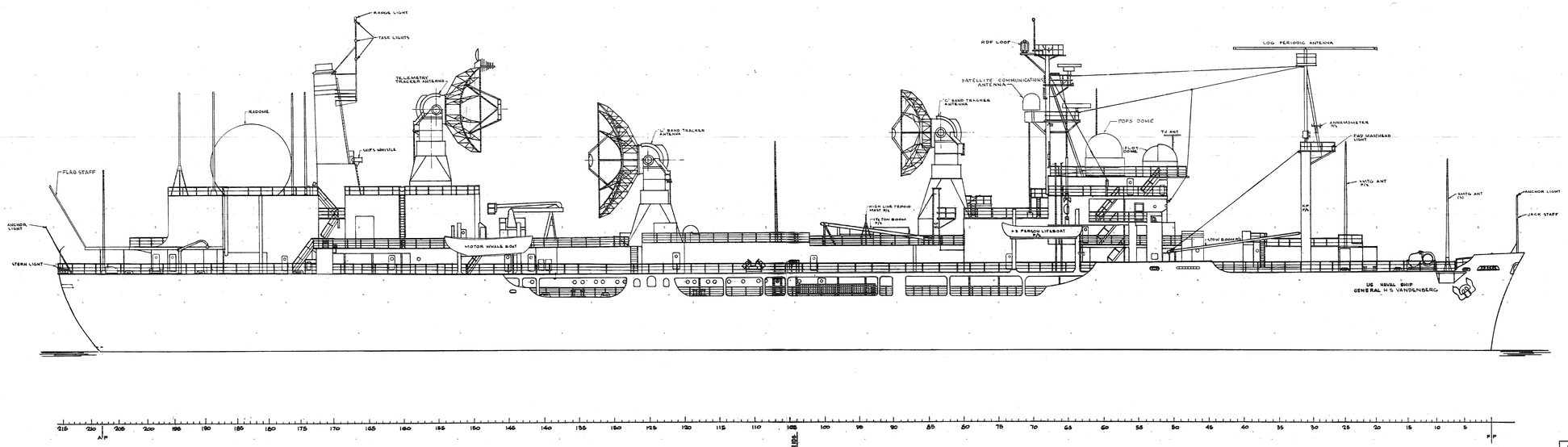

USNS GEN HOYT S VANDENBERG

OUTBOARD PROFILE

DR LDF	MSC PLAN NO.	
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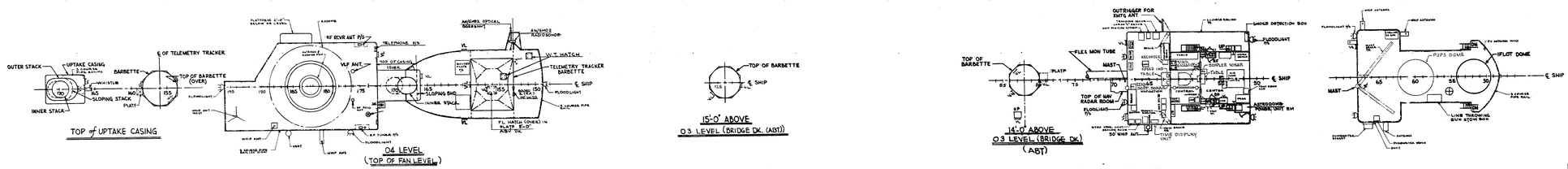
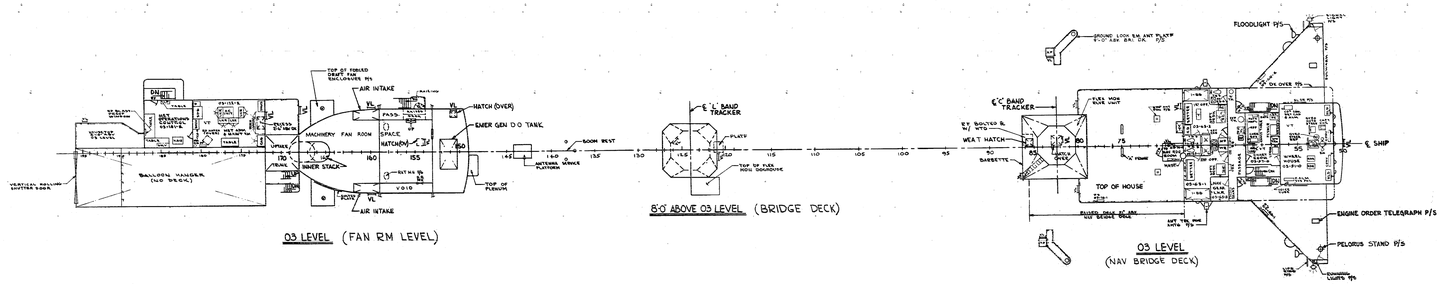
MSC FORM 4121/2 (12-73)

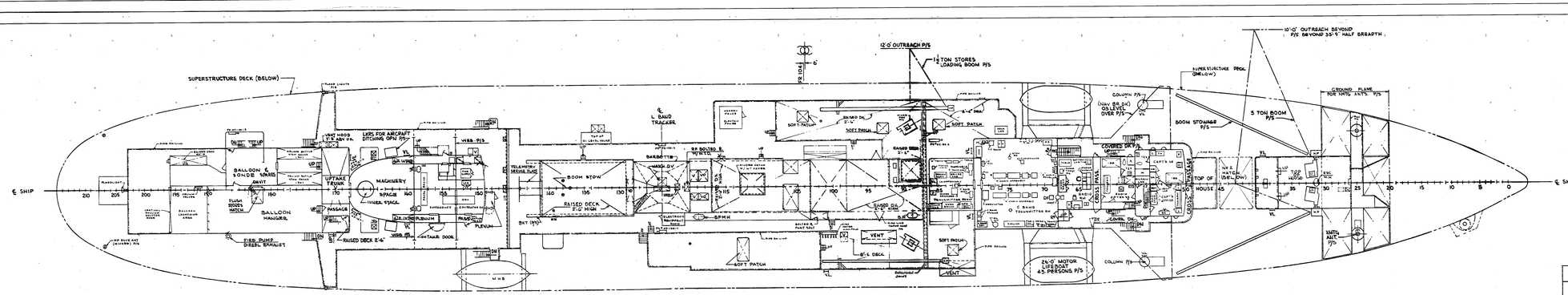
T-AGM10-845-4838587



USNS GEN HOYT S VANDENBERG		
04 & 05 LEVELS (RDR DK & TOP OF HSE)		
DR W.B.	MSC PLAN NO.	
CHKD J.J.A.	T-AGM 10-845-4838587	
APPD T.C.		
DATE	SCALE: 1/16"=1'-0"	PAGE 5 OF 14



USNS GEN HOYT S VANDENBERG		
03 LEVEL (NAVAL BRIDGE DECK)		
DR W.B.	MSC PLAN NO.	
CHKD J.J.A.	T-AGM 10-845-4838587	
APPD T.C.		
DATE	SCALE: 1/16"=1'-0"	PAGE 6 OF 14



USNS GEN HOYT S VANDENBERG		
02 LEVEL (BRIDGE DECK)		
DR W.B.	MSC PLAN NO.	
CHKD J.J.A.	T-AGM 10-845-4838587	
APPD T.C.		
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MSC FORM 4121/2 (12-73)

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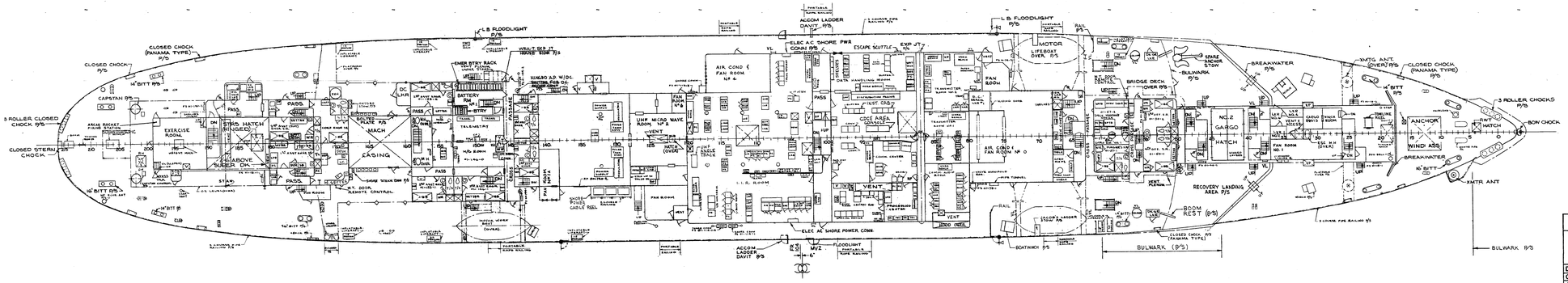

USNS GEN HOYT S VANDENBERG		
OI LEVEL (SUPERSTRUCTURE DECK)		
DR WB	MSC PLAN NO.	
CHKD JJA	T-AGM10-845-4838587	
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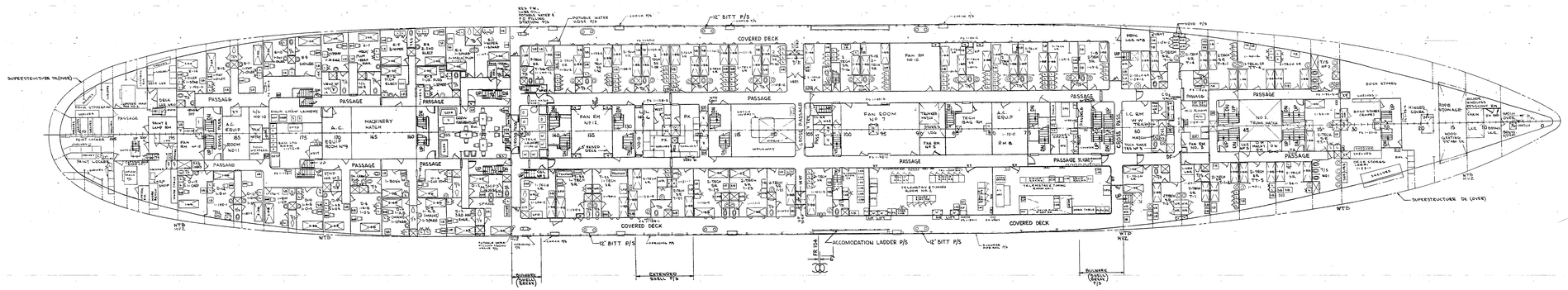

USNS GEN HOYT S VANDENBERG		
MAIN DECK (UPPER DECK)		
DR WB	MSC PLAN NO.	
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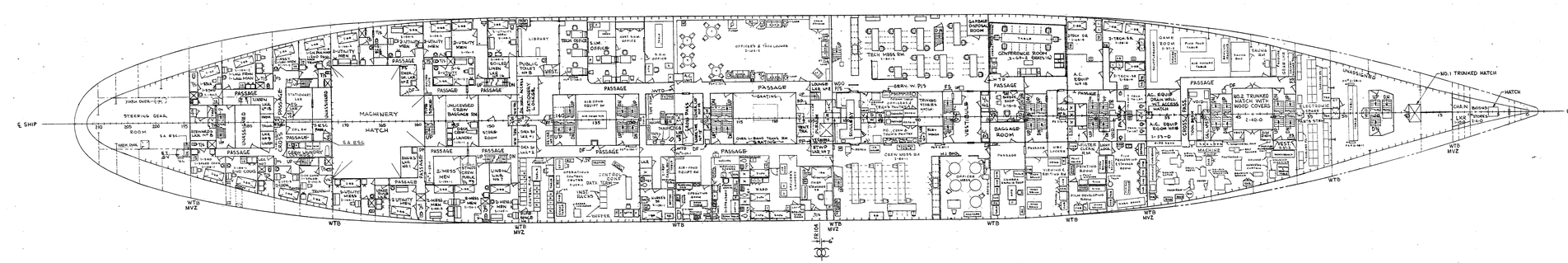

USNS GEN HOYT S VANDENBERG		
SECOND DECK		
DR WB	MSC PLAN NO.	
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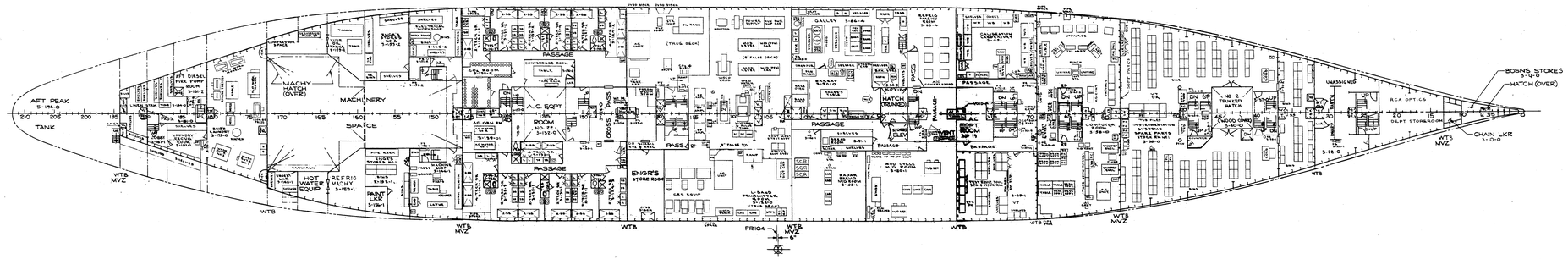
T-AGM10-845-4838587



USNS GEN HOYT S VANDENBERG

THIRD DECK

DR WB	MSC PLAN NO.	
CHKD JJA	T-AGM 10-845-4838587	
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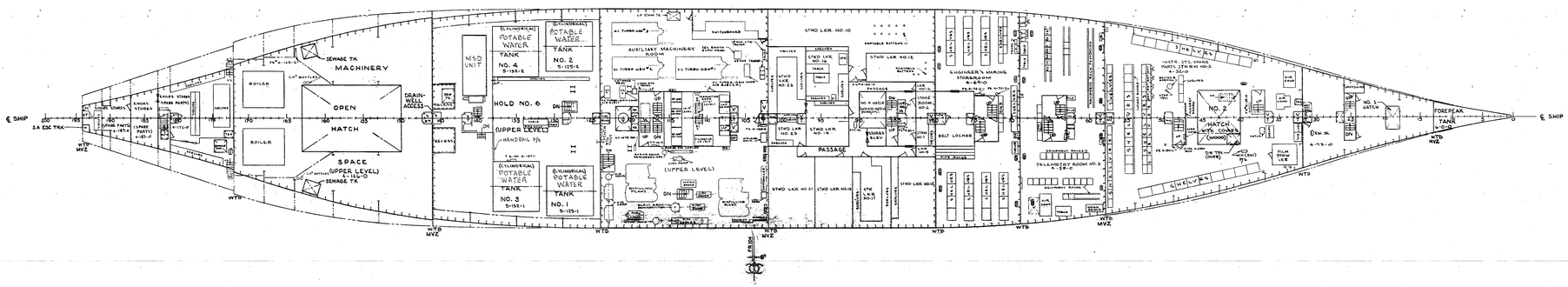
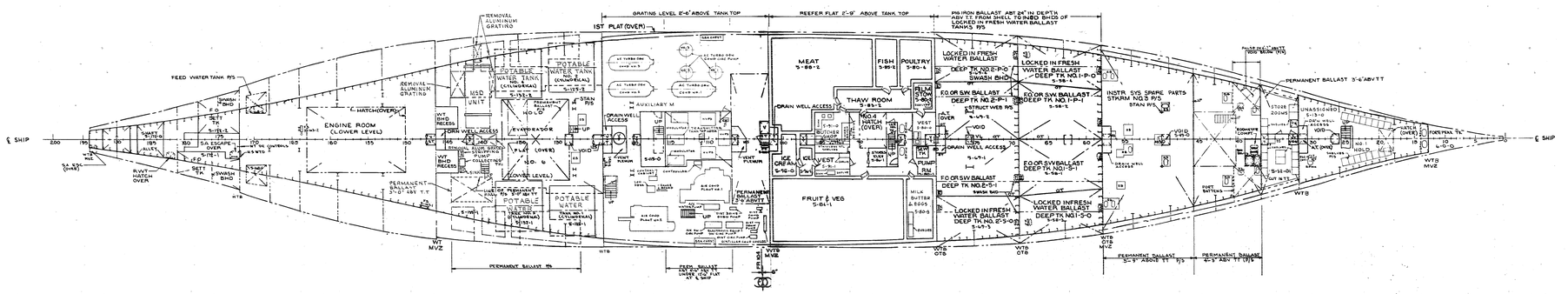


USNS GEN HOYT S VANDENBERG

FIRST PLATFORM

DR WB	MSC PLAN NO.	
CHKD JJA	T-AGM 10-845-4838587	
APPD		
DATE	SCALE: 1/16"=1'-0"	PAGE 12 OF 14



USNS GEN HOYT S VANDENBERG

TANK TOP

DR WB	MSC PLAN NO.	
CHKD JJA	T-AGM 10-845-4838587	
APPD		
DATE	SCALE: 1/16"=1'-0"	PAGE 13 OF 14

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SIZE	CODE IDENT. NO.	MSC PLAN NO.	REV.
H	94421	T-AGM 10-845-4838587	A
SCALE: AS SHOWN		SHEET 5 OF 5	

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