GENERAL INFORMATION

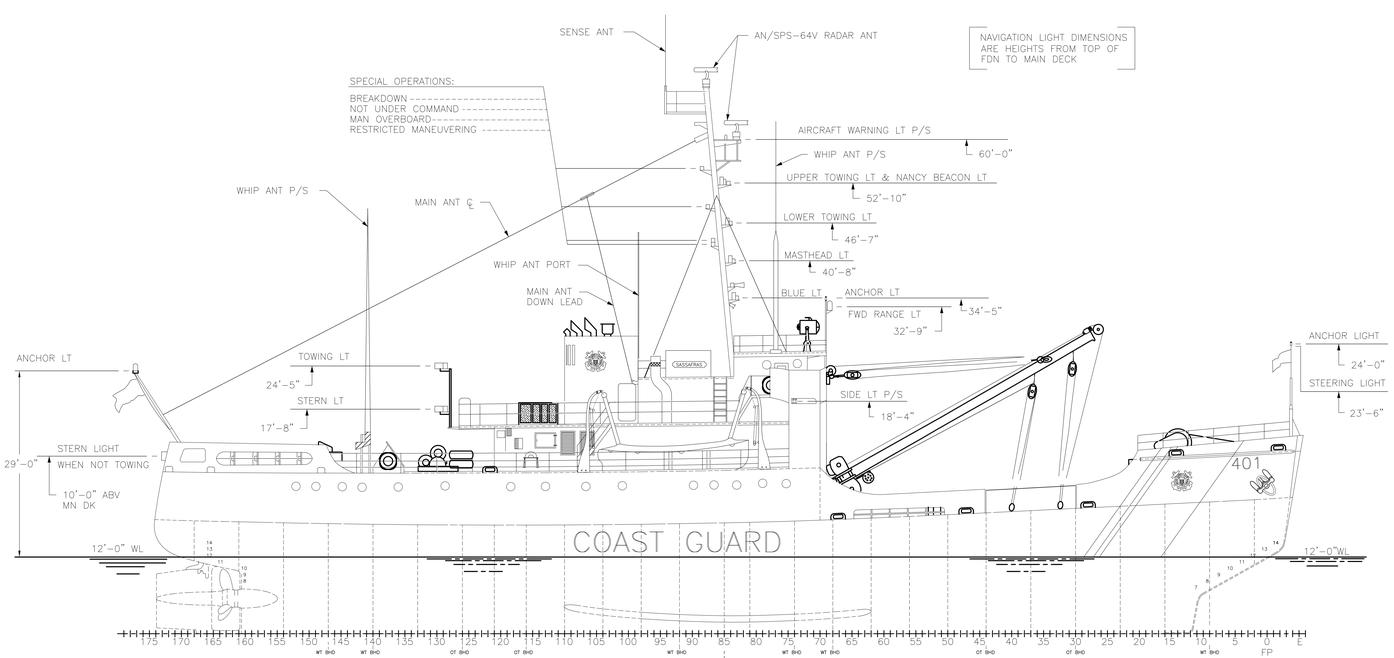
LENGTH, OVERALL	180 FEET 0 IN
LENGTH, BETWEEN PERPENDICULARS	170 FEET 0 IN
BEAM, MOLDED	37 FEET 0 IN
BEAM, MOLDED WATERLINE	34 FEET 11 3/4 IN
DRAFT, MEAN	12 FEET 0 IN
DISPLACEMENT	935 TON
MAIN GENERATORS (2)	700 HP
AUX GENERATORS (2) CAP	200 kW 450 VOLTS
EMER GENERATOR (1) CAP	50 kW 208 VOLTS
PROPULSION MOTOR	1200 HP
PROPELLER, DIA	9 FEET 6 IN
PROPELLER, PITCH	6 FEET 9 IN

BOOKLET OF GENERAL PLANS

U. S. COAST GUARD CUTTER

SASSAFRAS–WLB 401

PLATE NO. 1



OUTBOARD PROFILE

PLATE NO. 2

REVISIONS

REV	ZONE	ITEM	DESCRIPTION	BY	DATE	APVD
A	ALL		DISTRIBUTION AND TITTLE BLOCK ADDED, PLAN UPDATED TO SUIT SHIP ASBUILT DURING 1972 AVAIL AT USCG YARD	MAM	8/17/72	
B	ALL		PLAN REVISED I.A.W. MAJ RENOVATION 1978 AVAIL AT USCG YARD	RWC	6/13/78	
C	ALL		PLAN REVISED THROUGHOUT TO REFLECT SHIPCHECK 1990	JP	6/06/90	

NO	TITLE	DRAWING NO

REFERENCES

SHIP	REV	DATE	SHIPALT	AUTHORITY
USCGC SASSAFRAS (WLB-401)	C	11/22/89	–	AS BUILT

APPLICABILITY

ART ANDERSON ASSOCIATES
7487 WEST STREET BREMERTON, WA 98310 (206) 479-5600 FAX 479-5605
65 MARION STREET SEATTLE, WA 98104 (206) 622-6221

MCI MARITIME CONTRACTORS INC
ROBERT L. PAYNE
BELLINGHAM, WA 98225

	INITIALS	DATE
DESIGN	RJH	3/1/90
DRAWN	J.PEMBERTON	6/6/90
CHKD	FMH	6/12/90
	R.R.TOCINO /S/	6/10/92
SUPV. TECH SERVICES		
	N/A	
CHIEF. ADMIN BR		
	L.M.SMITH /S/	6/27/91
TYPE DESK OFFICER		
	N/A	
PROJECT OFFICER		
	G.M. DAVIS /S/	11/18/91
CHIEF SUPPORT BR		

U.S. COAST GUARD — MLC PACIFIC

NAVAL ENGINEERING DIVISION

USCGC SASSAFRAS (WLB-401)

BOOKLET OF GENERAL PLANS

APPROVED D.A. POTTER 12/26/91
CHIEF. NAVAL ENGINEERING DIVISION — DATE

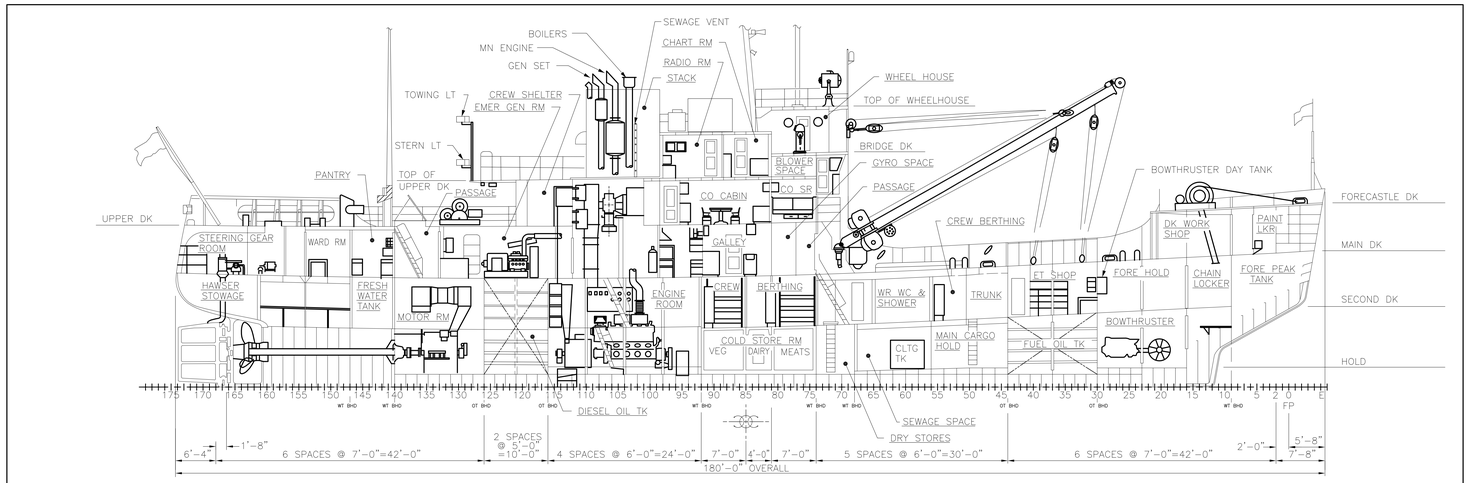
SIZE	FSCM NO.	USCG DRAWING NO.	REV
H	81340	149TE-0103-11	C

SCALE 1/8"=1'-0" — SHEET 1 OF 4

SCALE FACTOR 96 — ELECTRONIC FILENAME \401WLB\AEC1101C

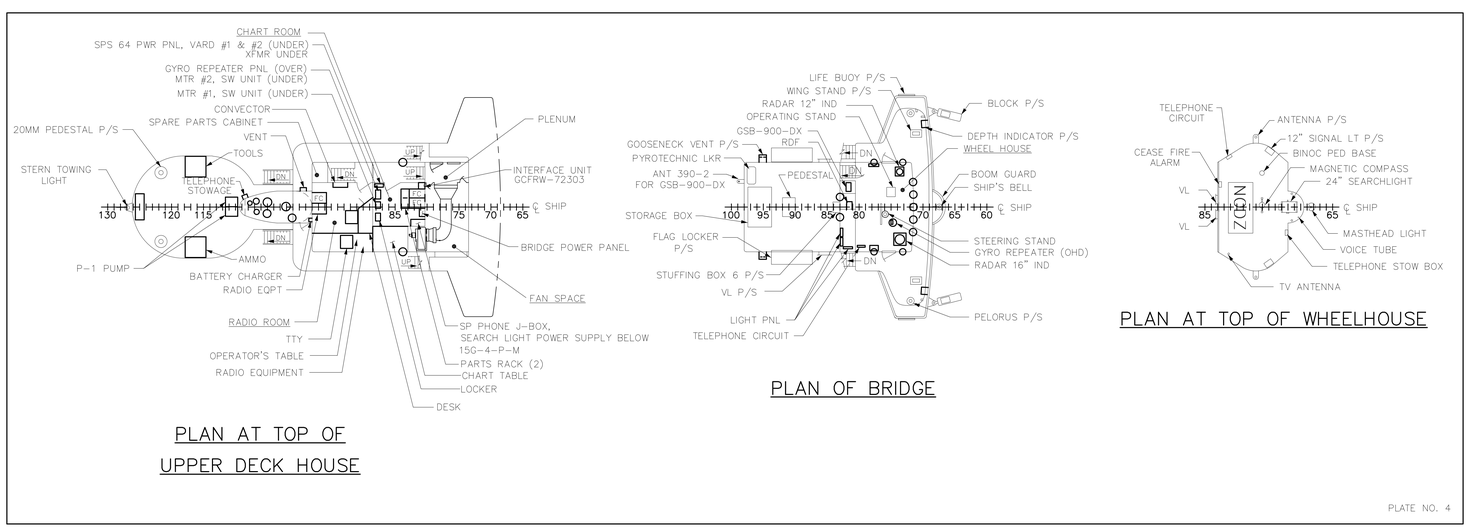
DWG NO 149TE-0103-11 — SYM C — SH 1 — REV C

BOOKLET OF GENERAL PLANS



INBOARD PROFILE

PLATE NO. 3



PLAN AT TOP OF UPPER DECK HOUSE

PLAN OF BRIDGE

PLAN AT TOP OF WHEELHOUSE

PLATE NO. 4

U.S. COAST GUARD — MLC PACIFIC

NAVAL ENGINEERING DIVISION

USCGC SASSAFRAS (WLB-401)

BOOKLET OF GENERAL PLANS

APPROVED

CHIEF, NAVAL ENGINEERING DIVISION — DATE

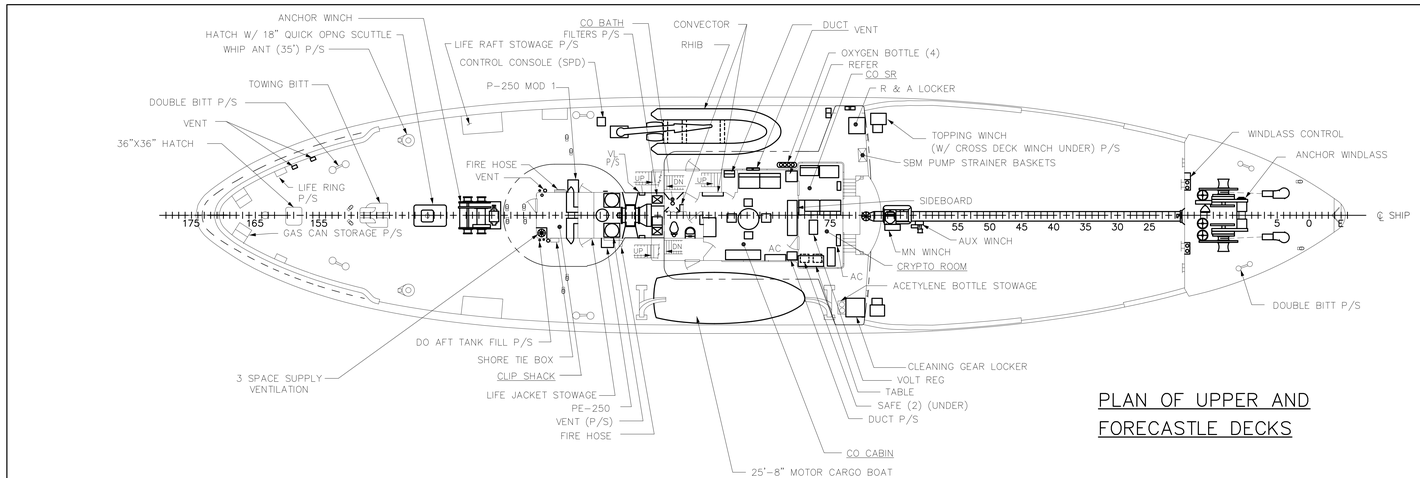
SIZE	FSCM CAGE NO	U.S.C.G. DRAWING NO.	REV
H	81340	149TE 0103-11	C

SCALE 1/8"=1'-0" — SHEET 2 OF 4

DWG NO 149TE 0103-11 — REV C — SHT 2

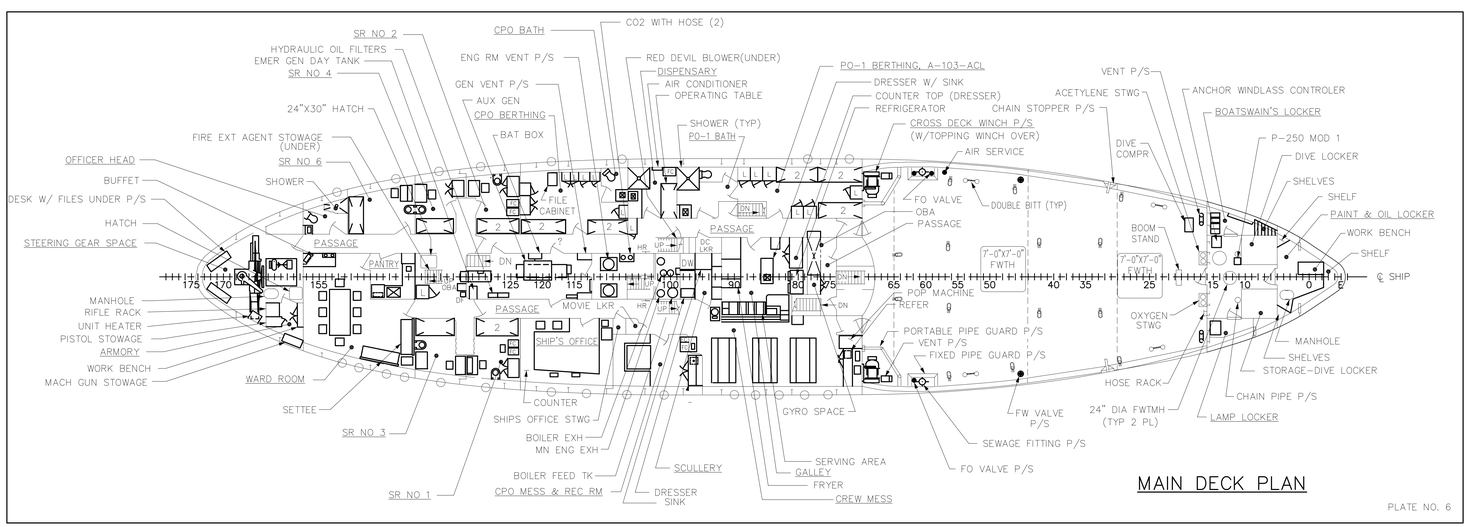
SCALE FACTOR 96 — ELECTRONIC FILENAME \401WLB\AEC1102C

DWG NO 149TE 0103-11 — REV C — SHT 2 — BOOKLET OF GENERAL PLANS



PLAN OF UPPER AND FORECASTLE DECKS

PLATE NO. 5



MAIN DECK PLAN

PLATE NO. 6

U.S. COAST GUARD — MLC PACIFIC

NAVAL ENGINEERING DIVISION

USCGC SASSAFRAS (WLB-401)

BOOKLET OF GENERAL PLANS

APPROVED — CHIEF, NAVAL ENGINEERING DIVISION — DATE

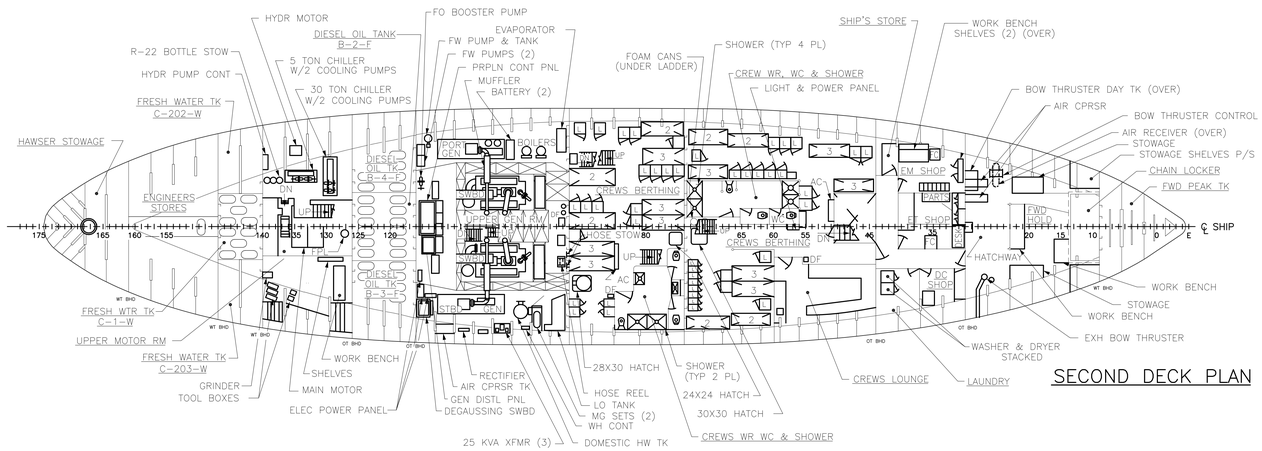
SIZE	FSCM CAGE NO	U.S.C.G. DRAWING NO.	REV
H	81340	149TE-0103-11	C

SCALE 1/8"=1'-0" — SHEET 3 OF 4

DWG NO 149TE-0103-11 — SH 3 — REV C

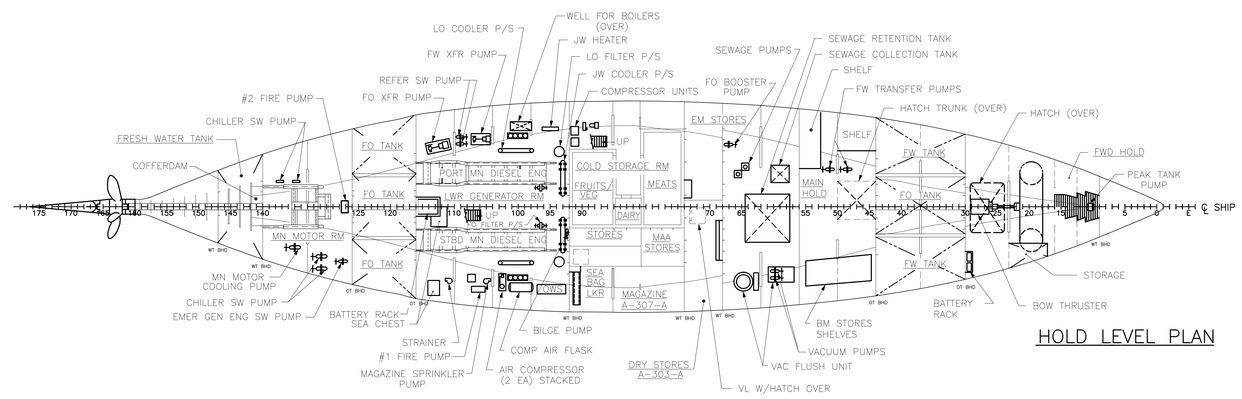
BOOKLET OF GENERAL PLANS

SCALE FACTOR 96 — ELECTRONIC FILENAME \401WLB\AEC1103C



SECOND DECK PLAN

PLATE NO. 7



HOLD LEVEL PLAN

PLATE NO. 8

U.S. COAST GUARD — MLC PACIFIC

NAVAL ENGINEERING DIVISION

USCGC SASSAFRAS (WLB-401)

BOOKLET OF GENERAL PLANS

APPROVED — CHIEF, NAVAL ENGINEERING DIVISION — DATE

SIZE	FSCM CAGE NO	U.S.C.G. DRAWING NO.	REV
H	81340	149TE-0103-11	C

SCALE 1/8"=1'-0" | 1630104 | SHEET 4 OF 4

DWG NO 149TE-0103-11 | SH 4 | REV C

BOOKLET OF GENERAL PLANS

SCALE FACTOR 96 — ELECTRONIC FILENAME \401WLB\AEC1104C

REVISIONS						
REV	SHT	ZONE	ITEM	DESCRIPTION	DATE	APRVD
A	–	–	–	REVISED TO SUIT SHIP	2/68	FS /S/
B	–	–	–	REVISED TO SUIT SHIP	12/71	FS /S/
C	–	–	–	REV. TO SUIT MAJOR RENOV. DTD. 7/72	11/75	RC /S/
D	–	–	–	REVISED WHEELHOUSE ARRANGEMENT	10/78	SW /S/
E	–	–	–	REVISED STACK SPACE	3/84	WM /S/
F	–	–	–	REVISED TO SUIT BY 86 OVHL (PMSR)	5/86	BC /S/
G	–	–	–	COMPLETELY REDRAWN WITHOUT CONFIGURATION UPDATE	10/86	SGM /S/
H	–	–	–	CONVERTED TO CAD AND REVISED TO SUIT SHIPS CONFIGURATION AS DETERMINED BY SHIPCHECK OF APR 1993	ENVISIONS 4/93	

PLATE NO.1

GENERAL INFORMATION

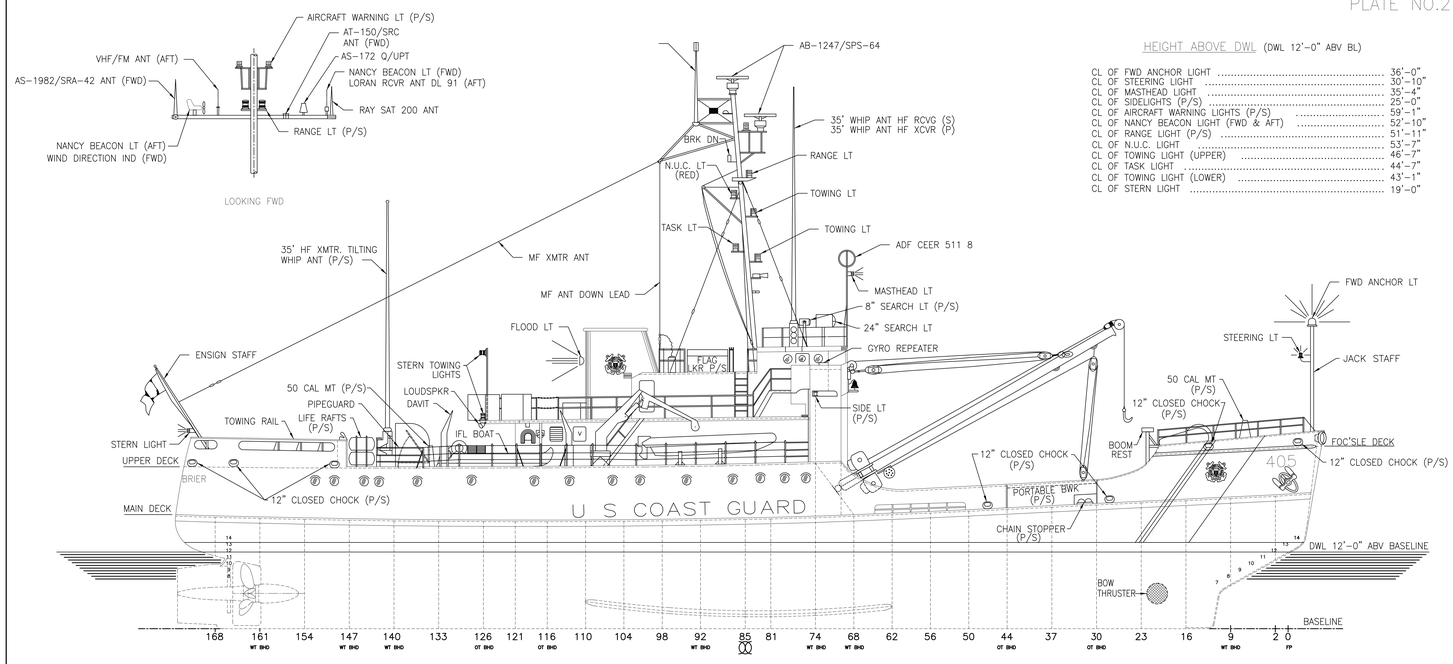
LENGTH, OVERALL ..... 180'–0"
LENGTH, BETWEEN PERPENDICULARS ..... 170'–0"
BEAM, MOLDED ..... 37'–0"
BEAM, MOLDED WATERLINE .....
DRAFT, MEAN ..... 12'–0"
DISPLACEMENT ..... 935 TONS
MAIN GENERATORS (2), HP ..... 700 HP
AUX GENERATORS (2), CAPACITY ..... 100 kW, 440V
EMERG. GENERATOR, CAPACITY ..... 50 kW, 120/208V
PROPULSION MOTOR, HP ..... 1200 HP
PROPELLER, DIAMETER ..... 8'–6"
PROPELLER, PITCH ..... 7'–0"

BOOKLET OF GENERAL PLANS
U. S. COAST GUARD CUTTER
SWEETBRIER – WLB 405

NUMBER & ORDER OF PLATES

1. COVER & TITLE PAGE
2. OUTBOARD PROFILE
3. INBOARD PROFILE
4. DECKHOUSE PLANS
5. UPPER & FORECASTLE DECKS
6. MAIN DECK PLAN
7. SECOND DECK PLAN
8. HOLD LEVEL PLAN

PLATE NO.2



OUTBOARD PROFILE

HEIGHT ABOVE DWL (DWL 12'–0" ABV BL)

CL OF FWD ANCHOR LIGHT ..... 36'–0"
CL OF STEERING LIGHT ..... 30'–10"
CL OF MASTHEAD LIGHT ..... 35'–4"
CL OF SIDELIGHTS (P/S) ..... 25'–0"
CL OF AIRCRAFT WARNING LIGHTS (P/S) ..... 59'–1"
CL OF NANCY BEACON LIGHT (FWD & AFT) ..... 52'–10"
CL OF RANGE LIGHT (P/S) ..... 51'–11"
CL OF N.U.C. LIGHT ..... 53'–7"
CL OF TOWING LIGHT (UPPER) ..... 46'–7"
CL OF TASK LIGHT ..... 44'–7"
CL OF TOWING LIGHT (LOWER) ..... 43'–1"
CL OF STERN LIGHT ..... 19'–0"

REFERENCES		
NO	TITLE	DRAWING NO

MAINTENANCE & LOGISTICS COMMAND PACIFIC (v), ALAMEDA, CA. 94501

ENGINEERING VISIONS, INC.
1275 30TH STREET
SAN DIEGO, CA. 92154

Contract DTCG-85-91-C-55290

/S/

/S/

U.S.C.G APPROVAL 5-27-87
D. TEEL /S/
MLCPAC(v)

U.S. COAST GUARD HEADQUARTERS WASHINGTON, D.C. 20593

NAVAL ENGINEERING DIVISION

USCGC SWEETBRIER WLB 405

BOOKLET OF GENERAL PLANS
PLATES 1 & 2

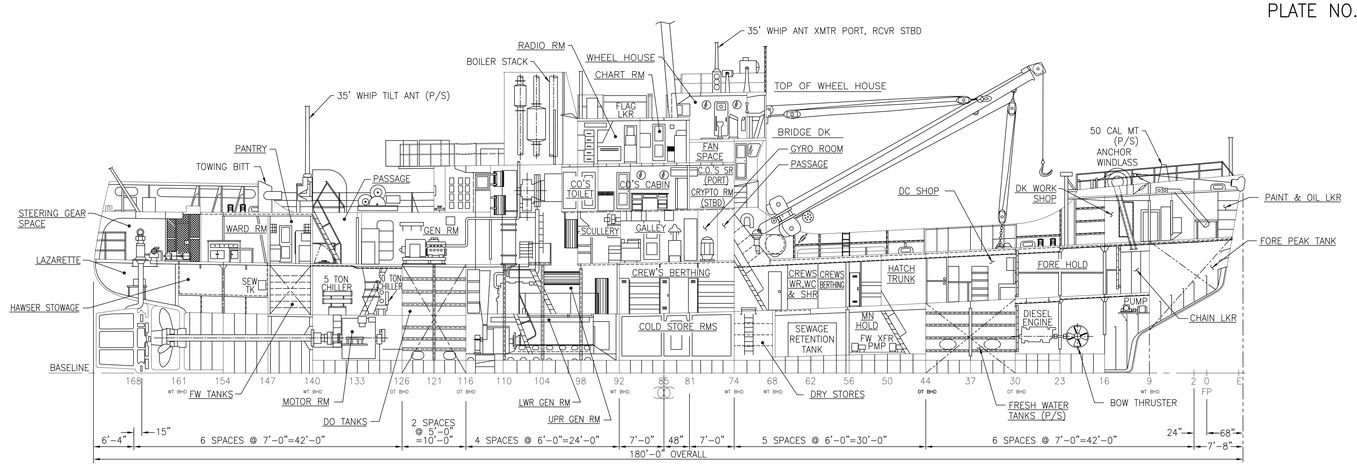
SIZE	FSCM CAGE NO	USCG DRAWING NO.	REV
H	81340	149 TE–0103–13	H

SCALE 1/8"=1'–0" | 10.42 SQ FT | SHEET 1 OF 4

DWG NO 149 TE–0103–13 | SH 1 | REV H

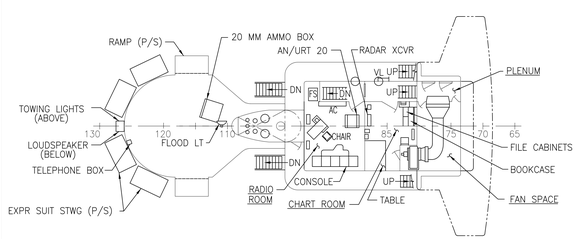
SCALE FACTOR 1:96 | ELECTRONIC FILENAME \WLB405\AC31.30TH

PLATE NO.3

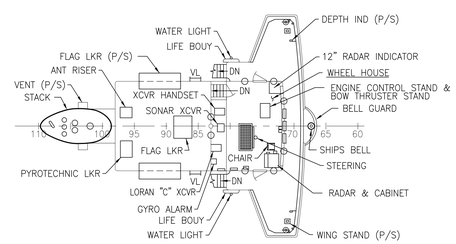


INBOARD PROFILE

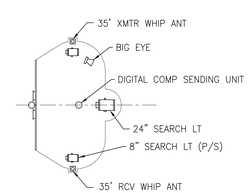
PLATE NO.4



PLAN AT TOP OF UPPER DECK HOUSE



PLAN OF BRIDGE



PLAN AT TOP OF WHEEL HOUSE

U.S. COAST GUARD HEADQUARTERS WASHINGTON, D.C. 20593

NAVAL ENGINEERING DIVISION

USCGC SWEETBRIER WLB 405

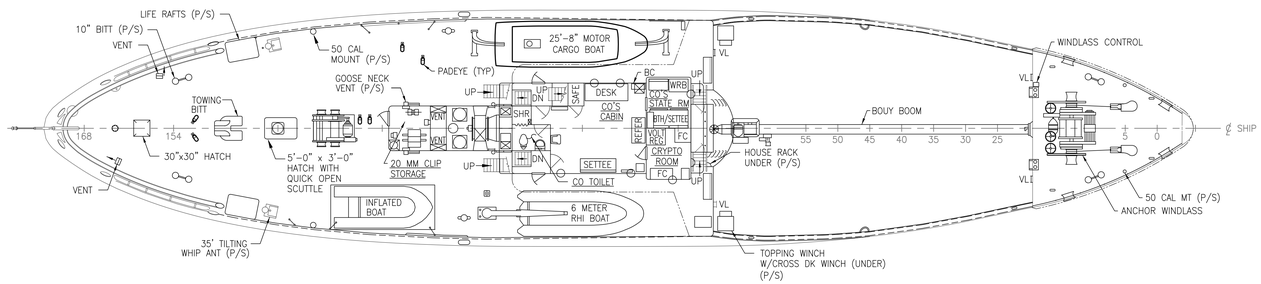
BOOKLET OF GENERAL PLANS
PLATES 3 & 4

SIZE	FSCM CAGE NO	USCG DRAWING NO.	REV
H	81340	149 TE-0103-13	H

SCALE 1/8"=1'-0" 10.42 SQ FT SHEET 2 OF 4

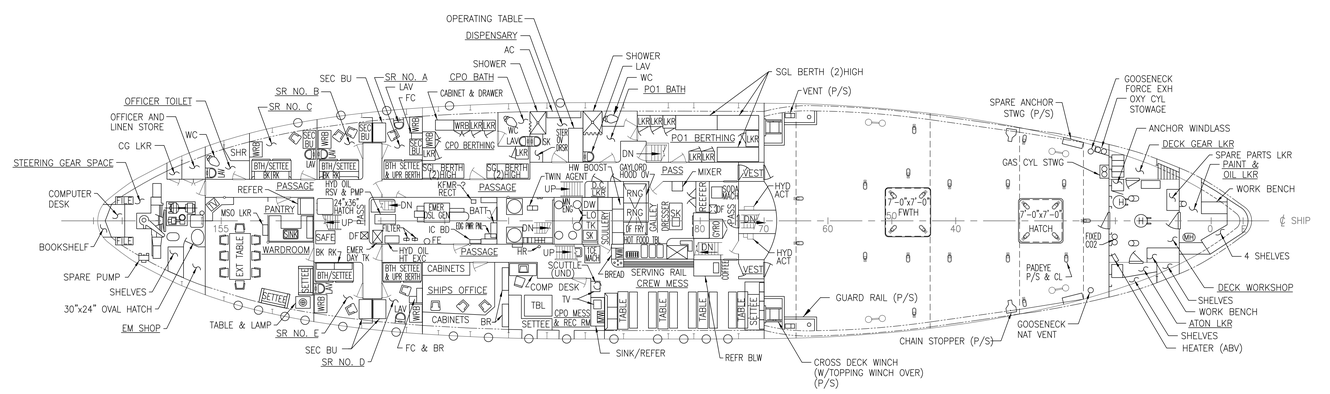
SCALE FACTOR 1:96 ELECTRONIC FILENAME \WLB405\AED1302H

PLATE NO.5



PLAN OF UPPER AND FORECASTLE DECKS

PLATE NO.6



MAIN DECK PLAN

U.S. COAST GUARD HEADQUARTERS WASHINGTON, D.C. 20593

NAVAL ENGINEERING DIVISION

USCGC SWEETBRIER WLB 405

BOOKLET OF GENERAL PLANS
PLATES 5 & 6

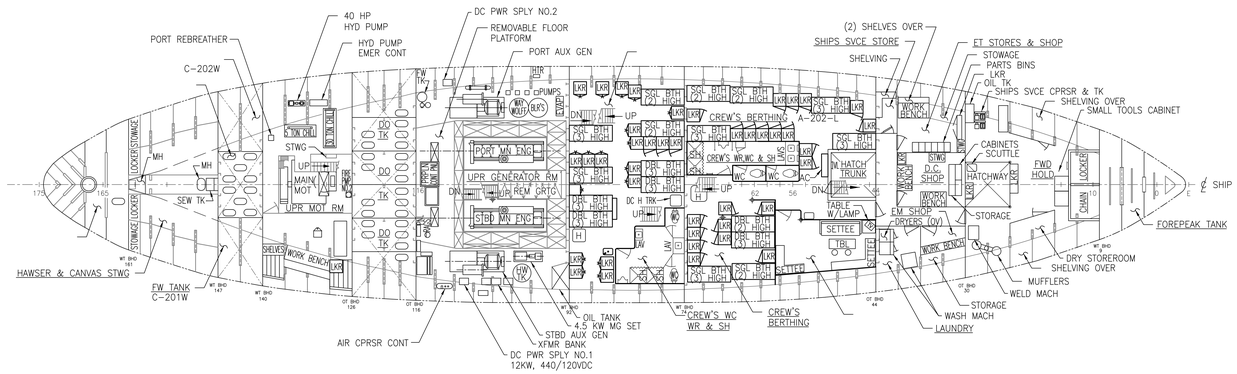
SIZE	FSCM CAGE NO	USCG DRAWING NO.	REV
H	81340	149 TE-0103-13	H

SCALE 1/8"=1'-0" 10.42 SQ FT SHEET 3 OF 4

DWG NO 149 TE-0103-13 REV H SH 2 SDR H

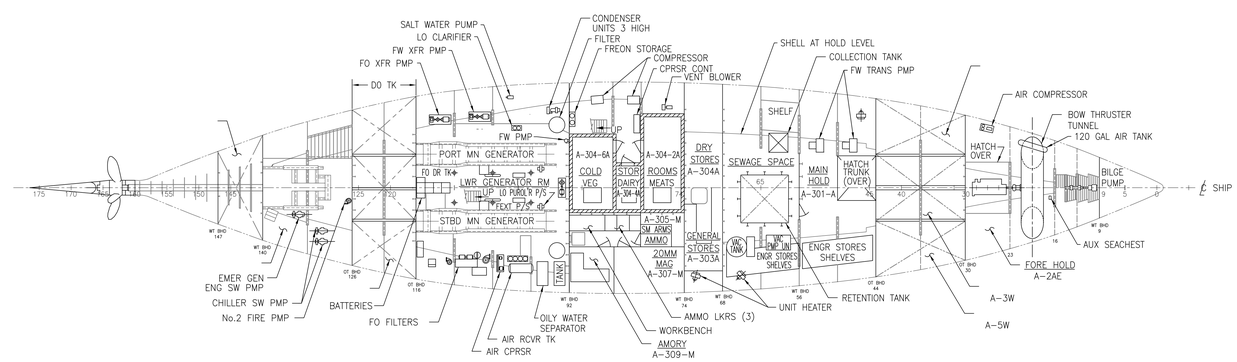
SCALE FACTOR 1:96 ELECTRONIC FILENAME \WLB405\AED1303H

PLATE NO. 7



SECOND DECK PLAN

PLATE NO. 8



HOLD LEVEL PLAN

U.S. COAST GUARD HEADQUARTERS WASHINGTON, D.C. 20593

NAVAL ENGINEERING DIVISION

USCGC SWEETBRIER WLB 405

BOOKLET OF GENERAL PLANS
PLATES 7 & 8

SIZE	FSCM CAGE NO	USCG DRAWING NO.	REV
H	81340	149 TE-0103-13	H

SCALE 1/8=1'-0" 10.42 SQ FT SHEET 4 OF 4

DWG NO 149 TE-0103-13 REV H SH 4 OF 4

SCALE FACTOR 1:96 ELECTRONIC FILENAME \WLB405\AED1304H

REVISIONS						
REV	SHT	ZONE	ITEM	DESCRIPTION	DATE	APRVD
C	1–4	ALL	–	REVISES AND REDRAWN TO SUIT SHIPS CONFIGURATION AS DETERMINED BY SHIPCHECK OF MAY 1992	7/92	

GENERAL INFORMATION

LENGTH, OVERALL	180 FEET 0 IN
LENGTH, BETWEEN PERPENDICULARS	170 FEET 0 IN
BEAM, MOLDED	37 FEET 0 IN
BEAM, MOLDED WATERLINE	34 FEET 11 3/4 IN
DRAFT, MEAN	12 FEET 0 IN
DISPLACEMENT, (FULL LOAD, TONS)	1087.9 TON
MAIN GENERATORS (2), HP	700 HP
AUX GENERATORS (2), CAPA.	180 kW–208 VOLTS
EMERG. GENERATORS, CAPA.	100 kW–120 KVA–208 VOLTS
PROPULSION MOTOR, HP	1200 HP
PROPELLER, DIAM.	8'–6"
PROPELLER, PITCH.	7'–0"

BOOKLET OF GENERAL PLANS
U. S. COAST GUARD CUTTER
BASSWOOD – WLB 388

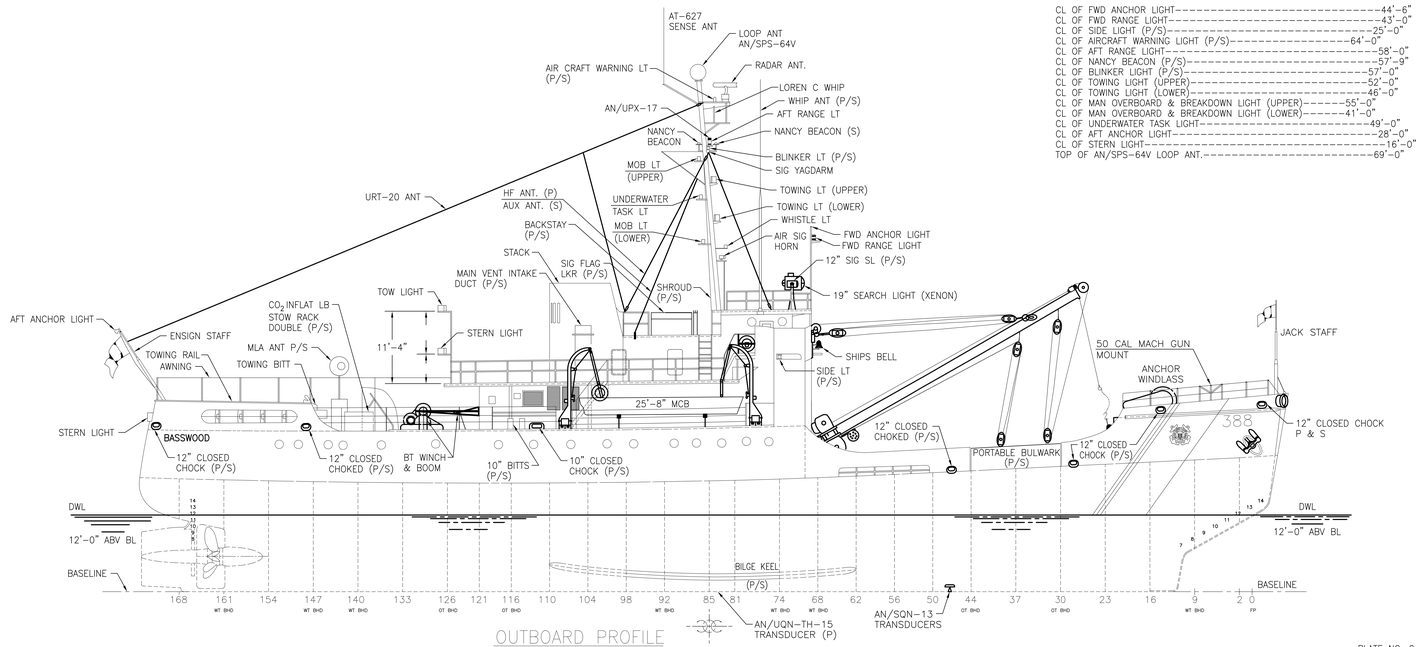
NUMBER & ORDER OF PLATES

1. COVER & TITLE PAGE
2. OUTBOARD PROFILE
3. INBOARD PROFILE
4. DECKHOUSE PLANS
5. UPPER & FORECASTLE DECKS
6. MAIN DECK PLAN
7. SECOND DECK PLAN
8. HOLD LEVEL PLAN

PLATE NO. 1

HEIGHT ABOVE DWL (DWL 12'–0" ABV BL)

CL OF FWD ANCHOR LIGHT	44'–6"
CL OF FWD RANGE LIGHT	43'–0"
CL OF SIDE LIGHT (P/S)	25'–0"
CL OF AIRCRAFT WARNING LIGHT (P/S)	64'–0"
CL OF AFT RANGE LIGHT	58'–0"
CL OF NANCY BEACON (P/S)	57'–9"
CL OF BLINKER LIGHT (P/S)	57'–0"
CL OF TOWING LIGHT (UPPER)	52'–0"
CL OF TOWING LIGHT (LOWER)	46'–0"
CL OF MAN OVERBOARD & BREAKDOWN LIGHT (UPPER)	55'–0"
CL OF MAN OVERBOARD & BREAKDOWN LIGHT (LOWER)	41'–0"
CL OF UNDERWATER TASK LIGHT	49'–0"
CL OF AFT ANCHOR LIGHT	28'–0"
CL OF STERN LIGHT	16'–0"
TOP OF AN/SPS–64V LOOP ANT.	69'–0"



OUTBOARD PROFILE

PLATE NO. 2

REFERENCES		
NO	TITLE	DRAWING NO

MAINTENANCE & LOGISTICS COMMAND PACIFIC (v), ALAMEDA, CA. 94501

ENGINEERING VISIONS, INC.
1275 30TH STREET
SAN DIEGO, CA. 92154
Contract DTCG–85–91–C–55290

R.R.YOUNG /S/ XX/XX/93
SUPERVISOR TECH SERV

LT DENN.RIESSLER /S/ XX/XX/93
TYPE DESK OFFICER

CDR G.M.DAVIS /S/ XX/XX/93
CHIEF SUPPORT BRANCH

U.S.C.G APPROVAL
CAPT B.C.COPELLI /S/ XX/XX/93
MLCPAC(v)

U.S. COAST GUARD HEADQUARTERS WASHINGTON, D.C. 20593

NAVAL ENGINEERING DIVISION

180–FT WLB–388

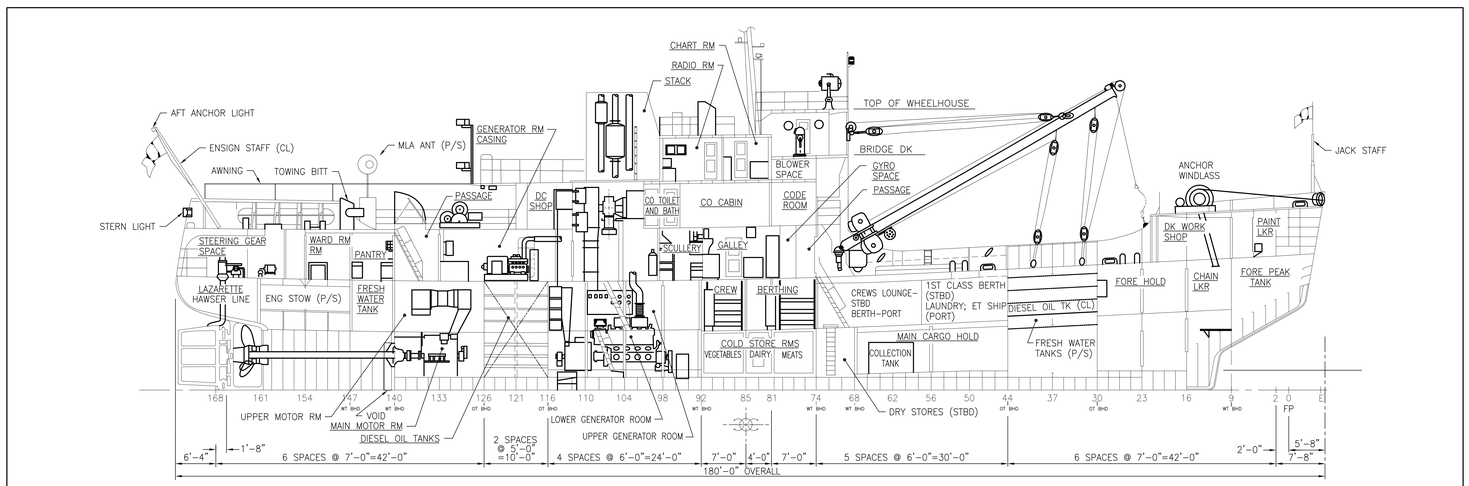
USCGC BASSWOOD
BOOKLET OF GENERAL PLANS
PLATE 1 & 2

SIZE	FSCM CAGE NO	U.S.C.G. DRAWING NO.	REV
H	81340	149 TE–0103–14	C
SCALE 1/8" = 1'–0"		10.42 SQ FT	SHEET 1 OF 4

DWG NO 149 TE–0103–14 SH 1 REV C

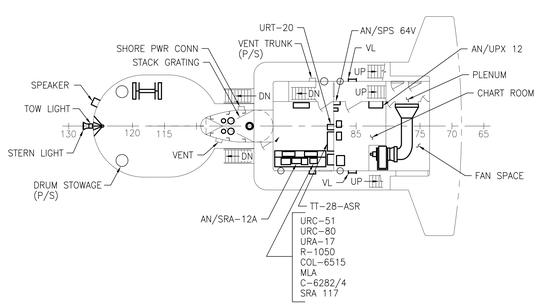
DWG NO 149 TE–0103–14 SH 2 REV C

SCALE FACTOR 1:96 ELECTRONIC FILENAME \WLB388\1031401C

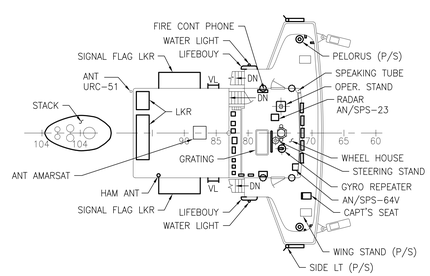


INBOARD PROFILE

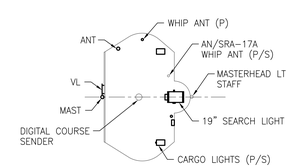
PLATE NO. 3



PLAN AT TOP OF UPPER DECK HOUSE



PLAN OF BRIDGE



PLAN AT TOP OF WHEELHOUSE

PLATE NO. 4

U.S. COAST GUARD HEADQUARTERS WASHINGTON, D.C. 20593

NAVAL ENGINEERING DIVISION

USCGC BASSWOOD WLB 388

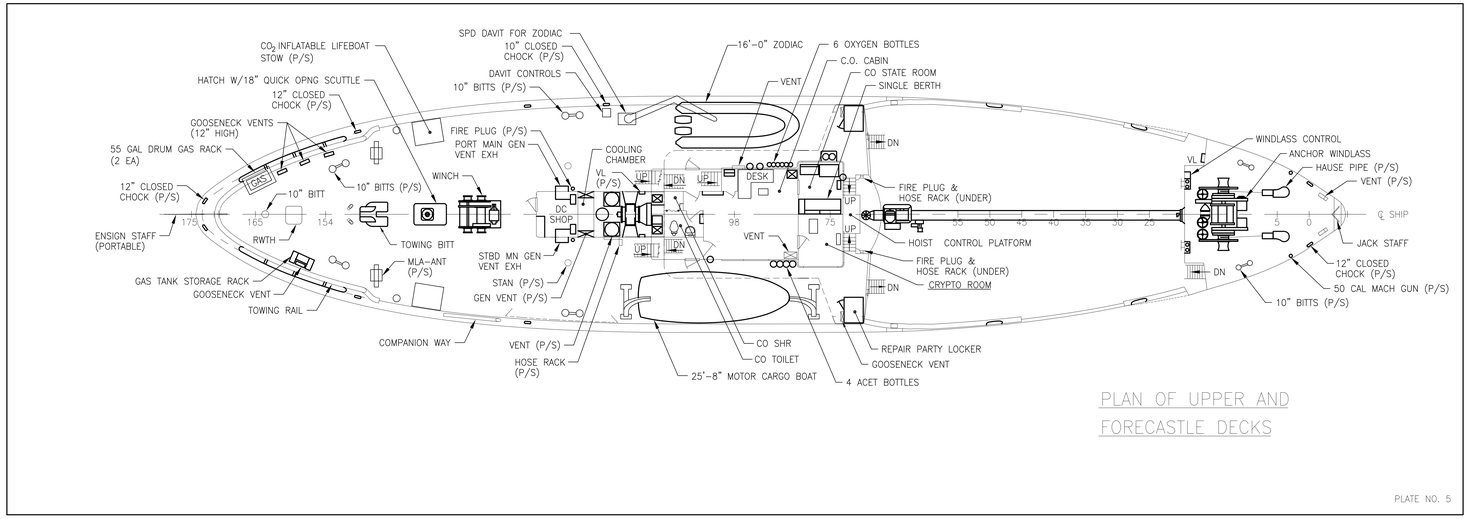
BOOKLET OF GENERAL PLANS
PLATES 3 & 4

SIZE	FSCM CAGE NO	USCG DRAWING NO.	REV
H	81340	149 TE-0103-14	C
SCALE 1/8"=1'-0"		10.42 SQ FT	SHEET 2 OF 4

SCALE FACTOR 1:96

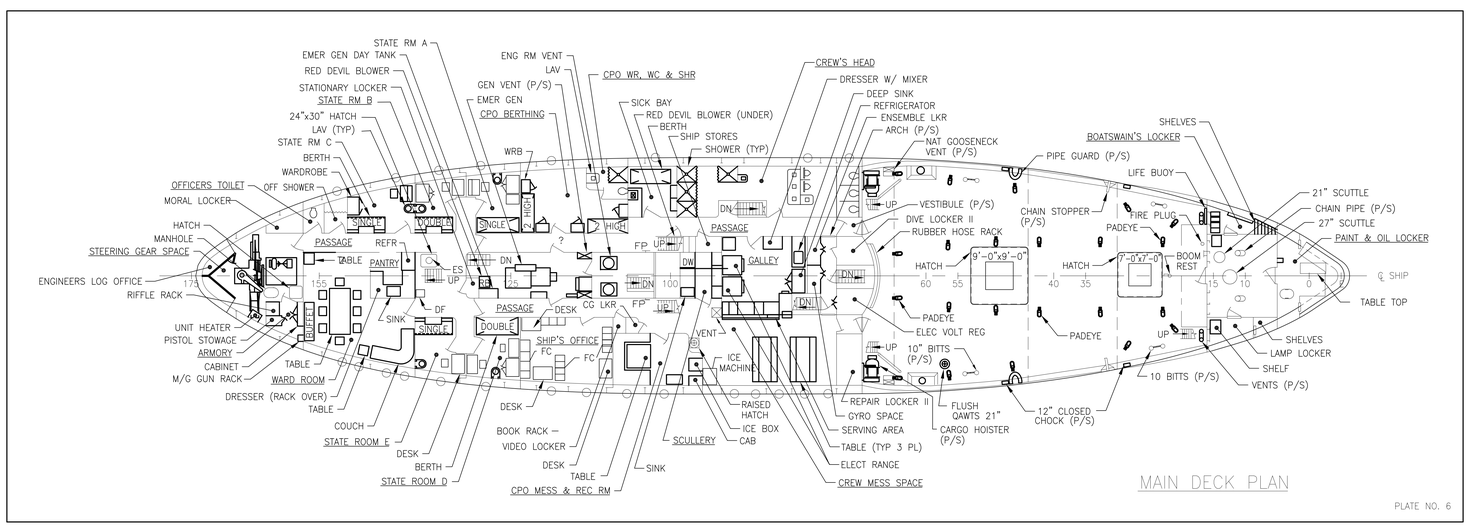
ELECTRONIC FILENAME \WLB388\10314020

DWG NO 149 TE-0103-14 REV C SH 2



PLAN OF UPPER AND FORECASTLE DECKS

PLATE NO. 5



MAIN DECK PLAN

PLATE NO. 6

U.S. COAST GUARD HEADQUARTERS WASHINGTON, D.C. 20593

NAVAL ENGINEERING DIVISION

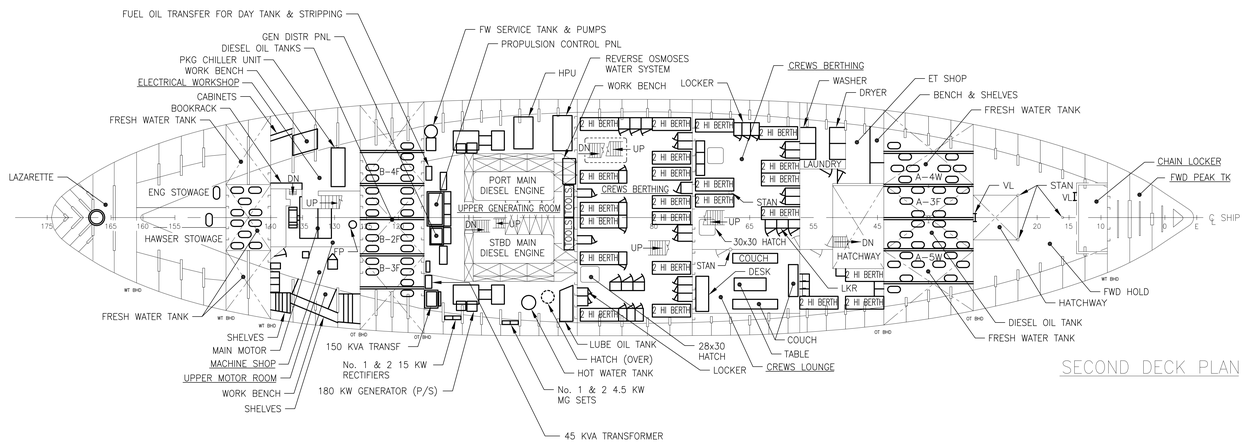
USCGC BASSWOOD WLB 388

BOOKLET OF GENERAL PLANS
PLATES 5 & 6

SIZE	FSCM CAGE NO	USCG DRAWING NO.	REV
H	81340	149 TE-0103-14	C
SCALE 1/8"=1'-0"		10.42 SQ FT	SHEET 3 OF 4

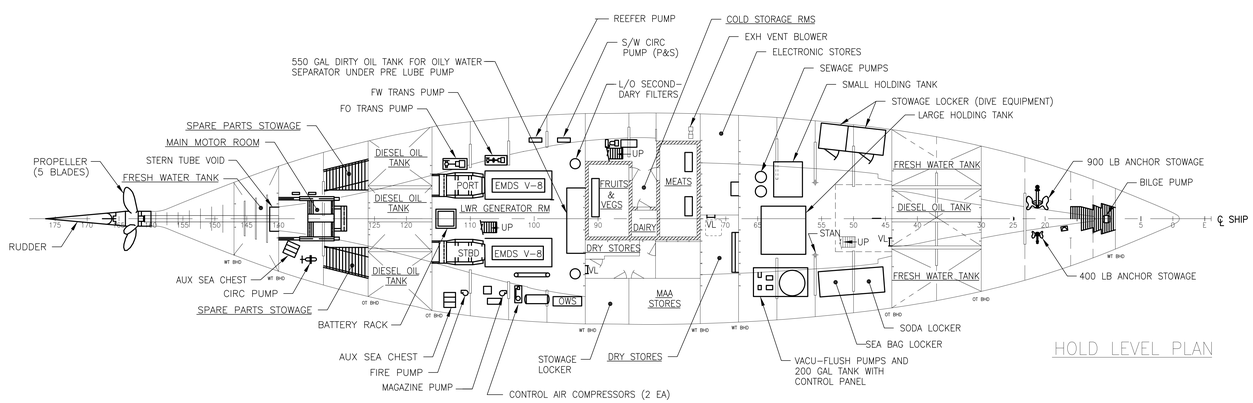
SCALE FACTOR 1:96 ELECTRONIC FILENAME \WLB388\10314030

DWG NO 149 TE-0103-14 REV C SH 2 SHS 3



SECOND DECK PLAN

PLATE NO. 7



HOLD LEVEL PLAN

PLATE NO. 8

U.S. COAST GUARD HEADQUARTERS WASHINGTON, D.C. 20593

NAVAL ENGINEERING DIVISION

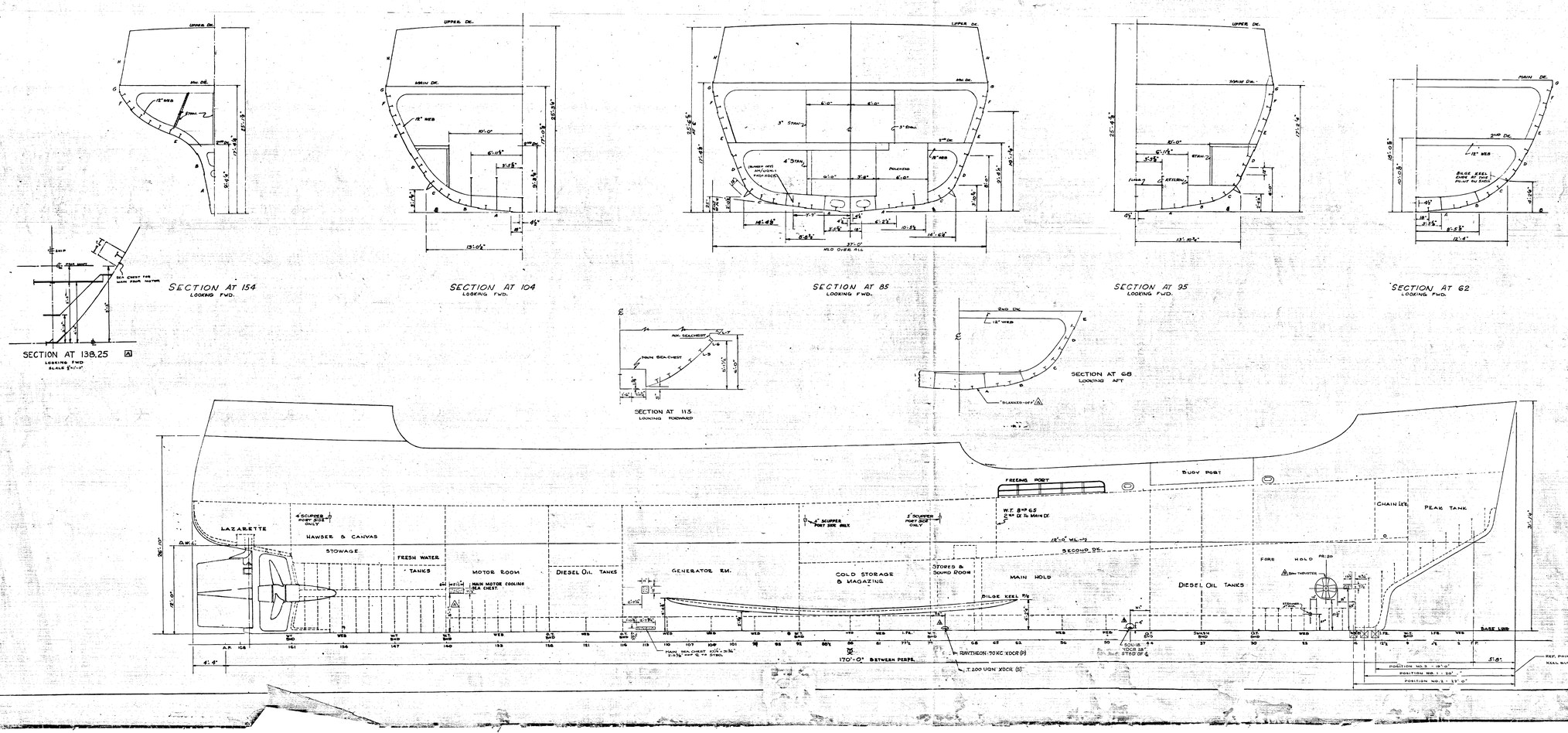
USCGC BASSWOOD WLB 388

BOOKLET OF GENERAL PLANS
PLATES 7 & 8

SIZE	FSCM CAGE NO	USCG DRAWING NO.	REV
H	81340	149 TE-0103-14	C
SCALE 1/8"=1'-0"		10.42 SQ FT	SHEET 4 OF 4

DWG NO 149 TE-0103-14 SH 4 REV C

SCALE FACTOR 1:96 ELECTRONIC FILENAME \WLB388\10314404C



DIMENSIONS

LENGTH-O.A.	180'-0"
LENGTH-W.L.	170'-0"
BEAM - MLD.	37'-0"
DEPTH TO MAIN DK.	17'-4½"
DRAFT	13'-0"
DISPLACEMENT TO 13'W.L.	740 TONS
⊠ AREA	343 □'
⊠ COEFF.	.417
BLOCK COEFF.	.461
PRISMATIC COEFF.	.648

4	8-26-77	REMOVED AN/UQN XDCR FR 84 PORT; ADDED SQN-18 XDCR 26" 0-A FT FR 84 STBD; ADDED RAYTHEON 90 KC XDCR FR 12 PORT; ADDED AT 200 UGN XDCR FR 72 STBD	R. W.	B
3	2-25-64	REMOVED ALL SONAR EQUIPMENT IN POST BUOY, ADDED MOUNTING POSITIONS 1, 2 & 3, AS SHOWN, ADDED REFERENCE POINT, ADDED HYDROGRAPHIC CHANGES	R. L.	B

U.S. COAST GUARD YARD

DRAWING TITLE: DOCKING PLAN

DRAWN: C.W. DIBBS | CHK'D: | APPD: | DATE: 9-23-60

WAGL-401 180FT. CLASS | SASSAFRAS

DOCKING PLAN

149TE 0700-8 B

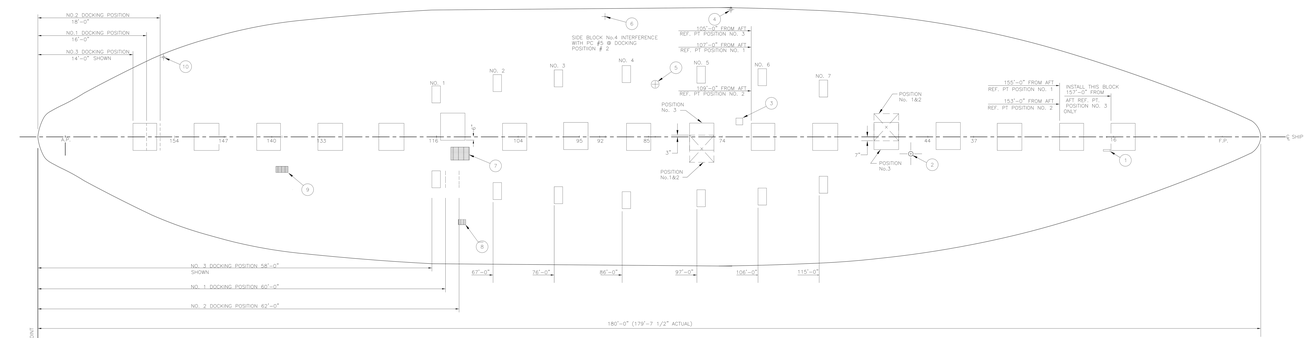
1/4"=1'-0"

REVISIONS					
REV	SHT	ZONE	ITEM	DESCRIPTION	DATE	APRVD
A	1&2	ALL		THIS DRAWING WAS CREATED BECAUSE OF CONVERSION TO CAD	8/93	

GENERAL NOTES

BASSWOOD

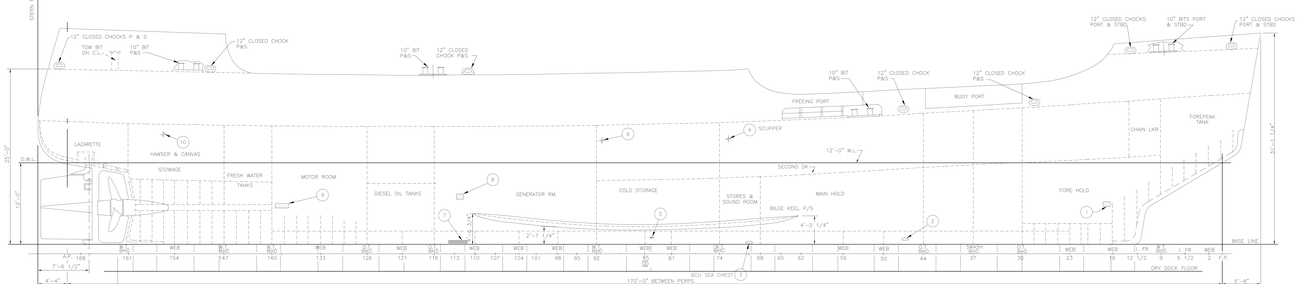
1. THIS DRAWING WAS CREATED FROM SUPECEDED DRAWING 149 TE 0700-1 REVISION A. THE INITIAL ISSUE OF THIS DRAWING REFLECTS THE CUTTER'S CONFIGURATION AS OF 9-92.
2. EACH DOCKING POSITION SHALL BE SELECTED TO ENABLE CLEANING AND PAINTING THOSE AREAS IN CONTACT WITH BLOCKS DURING PRECEDING DOCKING.
3. A MINIMUM CLEARANCE OF 18" IS RECOMMENDED BETWEEN BLOCKS AND NEAREST APPENDAGE.
4. PRIOR TO DOCKING, LEVEL OF KEEL BLOCKS SHALL BE CHECKED BY EYE.
5. KEEL BLOCK AND SIDE BLOCK SOFT CAPS SHALL MEASURE 2" TO 6" IN THICKNESS.
6. TYPICAL KEEL BLOCKING AS SHOWN: ATHWARTSHIP 48", LONGITUDINAL 42", HEIGHT 48".
7. TYPICAL SIDE BLOCKING AS SHOWN: ATHWARTSHIP 24", LONGITUDINAL 12".
8. KEEP THE LINE OF ACTION ON EACH SIDE BLOCK WITHIN THE MIDDLE ONE THIRD OF THE BLOCK TO AID TRANSVERSE STABILITY OF THE BLOCKS.
9. CUTTER'S LIST AND TRIM SHALL BE MINIMIZED PRIOR TO DOCKING.



PRINCIPAL DIMENSIONS

LENGTH OVERALL	180'-0"
LENGTH BETWEEN PERPENDICULARS	170'-0"
BEAM MOLDED	37'-0"
BEAM MOLDED WATERLINE	34'-11-3/4"
MEAN DESIGNED DRAFT	12'-0"
DISPLACEMENT @ DESIGNED DRAFT	941.1 LONG TONS

REFERENCES		
NO.	TITLE	DRAWING NO



SUPERSEDES OR MODIFIES DWG

DRY DOCK DRAWING 149 TE-0700-1

REV	SHIPALT NUMBER	WT (LBS)	I R	VCG REF BL	LCG REF @	F OR A	TCG REF CL	P/S OR O

WEIGHT CONTROL DATA

LEVERS IN FEET TO THE NEAREST TENTH OF A FOOT
USE SEPARATE LINES FOR EACH WT GRP,S/A,REV,WT INSTL,WT RMV
I=INSTALL R=REMOVE
F=FWD A=AFT P=PORT S=STBD O=C

BASSWOOD	7/93		
SHIP	REV	DATE	SHIPALT	AUTHORITY

APPLICABILITY

NAVAL ENGINEERING DIVISION		
180 FT WLB38S		
DOCKING PLAN U.S.C.G.C. BASSWOOD		
SUPERVISOR TECHNICAL DIRECTOR		
TYPE DESIGN OFFICER		
CHIEF, SUPPORT DIVISION		
USCG APPROVAL		
CHIEF, NAVAL ENGINEERING DIVISION		

NAVY PROPT.		
NAVSEA, SHIPYARD DESIGN DIVISION		
	INITIALS	DATE
DESIGN	JDL	6/93
DRAWN	JDL	7/93
CHECKED	DD	

U.S. COAST GUARD

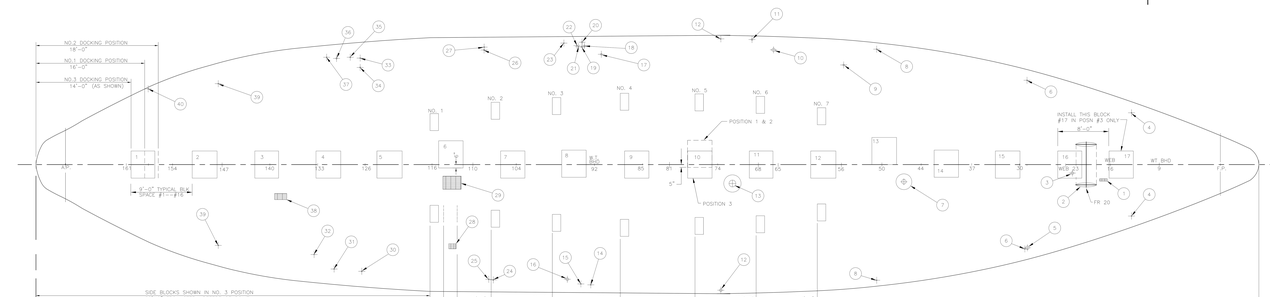
SIZE	FSCM IDENT NO	USCG DRAWING NO	REV
A1	81340	149 TE 0700-20	

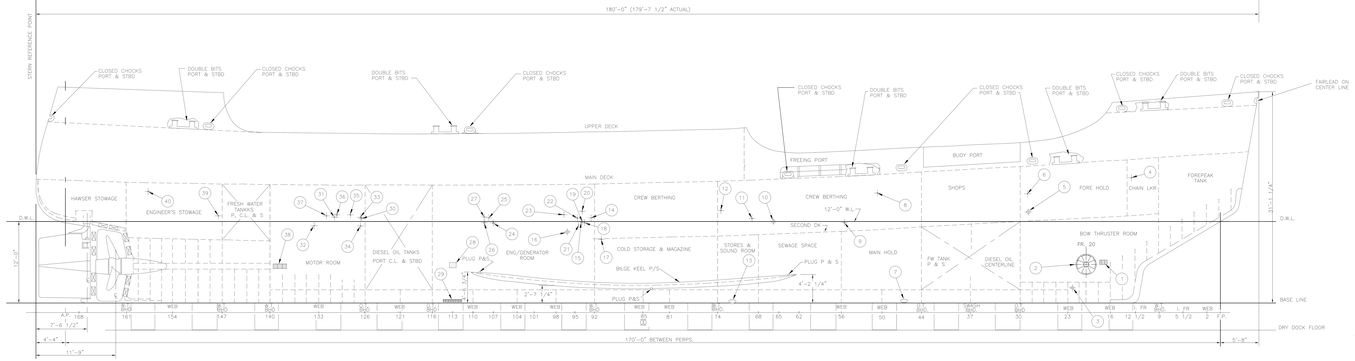
SCALE AS NOTED | TRIM 52 FT | SHEET 1 OF 2

DWG NO	SH	REV
149 TE 0700-21	1	A

SCALE FACTOR A1 | ELECTRONIC FILENAME 1000EF.dwg2001

149 TE 0700-21





GENERAL NOTES

SASSAFRAS

1. THIS DRAWING WAS CREATED FROM SUPERCEDED DRAWING 149 TE 0700-8 REVISION B. THE INITIAL ISSUE OF THIS DRAWING REFLECTS THE CUTTER'S CONFIGURATION AS OF SHIP CHECK 5-24-94.
2. EACH DOCKING POSITION SHALL BE SELECTED TO ENABLE CLEANING AND PAINTING THOSE AREAS IN CONTACT WITH BLOCKS DURING PRECEDING DOCKING.
3. A MINIMUM CLEARANCE OF 18" IS RECOMMENDED BETWEEN BLOCKS AND NEAREST APPENDAGE.
4. PRIOR TO DOCKING, LEVEL OF KEEL BLOCKS SHALL BE CHECKED BY EYE.
5. KEEL BLOCK AND SIDE BLOCK SOFT CAPS SHALL MEASURE 2" TO 6" IN THICKNESS.
6. TYPICAL KEEL BLOCKING AS SHOWN: ATHWARTSHIP 48", LONGITUDINAL 42", HEIGHT 48".
7. TYPICAL SIDE BLOCKING AS SHOWN: ATHWARTSHIP 24", LONGITUDINAL 12".
8. KEEP THE LINE OF ACTION ON EACH SIDE BLOCK WITHIN THE MIDDLE ONE THIRD OF THE BLOCK TO AID TRANSVERSE STABILITY OF THE BLOCKS.
9. CUTTER'S LIST AND TRIM SHALL BE MINIMIZED PRIOR TO DOCKING.
10. MINIMUM OF 17'-2" HORIZONTAL CLEARANCE AFT OF STERN REFERENCE POINT IS REQUIRED TO REMOVE TAIL SHAFT.
11. SUFFICIENT VERTICAL CLEARANCE EXISTS BETWEEN B.L. AND HULL TO REMOVE RUDDER AND OR RUDDER STOCK.
12. AVERAGE KEEL BLOCK PRESSURE ASSUMING BLOCK ARRANGEMENT AS SHOWN WITH DISPLACEMENT OF 1007.62 LONG TONS IS APPROXIMATELY 350 P.S.I.

LIST OF PARTICULARS

LENGTH OVER ALL	180 FEET – 0 INCHES
LENGTH BETWEEN PERPENDICULARS	170 FEET – 0 INCHES
MAX. MOLDED BEAM	37 FEET – 0 INCHES
DEPTH TO MAIN DECK	17 FEET – 3 3/4 INCHES
DESIGNED DRAFT	12 FEET – 0 INCHES
DISPLACEMENT AT 12 FOOT DRAFT	1007.62 LONG TONS
DISPLACEMENT AT LIGHT SHIP	746.61 LONG TONS
DISPLACEMENT AT MINIMUM OPERATING COND.	889.21 LONG TONS

ZINC LIST

LOCATION	SIZE	QUANTITY
RUDDER POST P & S	12 X 6 INCHES	(4) EA SIDE
STERN COUNTER P & S	12 X 6 INCHES	(2) EA SIDE
STERN POST P & S	12 X 6 INCHES	(4) EA SIDE
PROP MTR COOL SEA CHEST	CUT TO SIZE	(2)
AFT AUX. SEA CHEST	CUT TO SIZE	(2)
MN ENG. COOL SEA CHEST	12 X 6 INCHES	(5)
BOW THRUSTER TUNNEL	12 X 6 INCHES	(4) EA SIDE
FWD AUX SEA CHEST	CUT TO SIZE	(2)

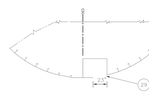
REVISIONS						
REV	SHT	ZONE	ITEM	DESCRIPTION	DATE	APRVD

REFERENCES		
NO.	TITLE	DRAWING NO

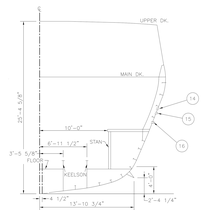
U.S. COAST GUARD		NAVAL ENGINEERING DIVISION
180 FT.		WLB 401
DOCKING PLAN U.S.C.G.C. SASSAFRAS		
SUPERSEDES OR MODIFIES DWG	149 TE 0700-8 Rev. B	
SIZE	FSCM CAGE NO.	U.S.C.G. DRAWING NO.
B1	81340	149 TE 0700-21
SCALE 1/4"=1'-0"	TRIM 12 FT	SHEET 1 OF 2

SCALE FACTOR ELECTRONIC FILENAME
.01 149TE0700-21

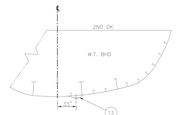
SECTION AT FR. 154
LOOKING FWD



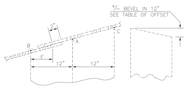
SECTION AT FR. 113
LOOKING FWD



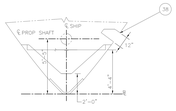
SECTION AT FR. 95
LOOKING FWD



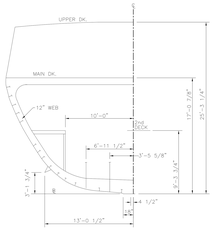
SECTION AT FR. 74
LOOKING FWD



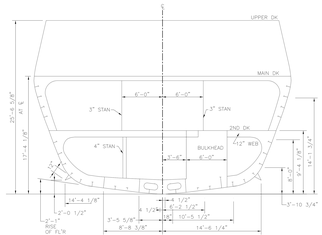
SIDE BLOCK
SCALE 1 1/2" = 1'-0"



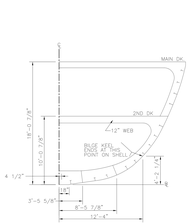
SECTION AT FR. 138.25
LOOKING FWD
SCALE 1 1/2" = 1'-0"



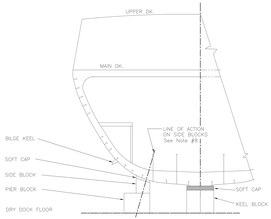
SECTION AT FR. 104
LOOKING FWD



SECTION AT FR. 85
LOOKING FWD



SECTION AT FR. 62
LOOKING FWD



TYPICAL BLOCKING
ARRANGEMENT
N.T.S.

TABLE OF OFFSETS FOR SIDE BLOCKS

BLOCK NO.	SIDE	FWD OF AFT END REF PT.	POINT of ref PT	HOWT A HALF BRE	HOWT A HEIGHT	POINT of ref PT	TRAN. IN 12" A & B	PLATE AP 71
NO. 3 DOCKING POSITION								
1	P	42'-0"	10-0	6'-0"	1'-3-5	1'-9-0	1'-1/2"	1/2"
			12-2-2		1'-9-4	1'-9-1		
2	P	67'-0"	12-0	8'-0"	1'-4-3	1'-10-4	7/8"	
			13-5		1'-4-3	1'-10-1		
3	P	92'-0"	9-3	8'-4"	11'-7	1'-2-1	1/4"	
			9-4		11'-7	1'-2-4		
4	P	96'-0"	10-0	9'-0"	11'-6	1'-3-0	0"	
			10-2		11'-6	1'-0-5		
5	P	97'-0"	10-3	↓	11'-6	1'-2-2	0"	
			10-0	9'-0"	11'-6	1'-0-2		
6	P	108'-0"	10-2	8'-4"	1'-0-4	1'-0-4	3/4"	
			10-2		1'-0-4	1'-4-1		
7	P	113'-0"	9-0	2'-0"	1'-3-0	1'-1-0	1 1/8"	
			11-1		1'-3-0	1'-2-1		
NO. 2 DOCKING POSITION								
1	P	42'-0"	10-3	6'-0"	1'-3-5	1'-9-0	1'-1/2"	
			10-0		1'-3-1	1'-9-1		
2	P	67'-0"	9-4	8'-0"	1'-0-0	1'-4-4	5/8"	
			9-5		1'-0-1	1'-4-5		
3	P	92'-0"	8-3	8'-4"	11'-0	1'-1-0	1/8"	
			8-1		11'-0	1'-1-0		
4	P	96'-0"	9-1	9'-0"	11'-6	1'-1-0	0"	
			9-6		10'-5	1'-0-2		
5	P	101'-0"	9-3	↓	10'-5	1'-2-2	1/8"	
			9-1	9'-0"	11'-1	1'-2-2		
6	P	108'-0"	10-3	8'-4"	1'-0-4	1'-0-4	7/8"	
			10-2		1'-0-4	1'-3-0		
7	P	113'-0"	9-0	2'-0"	1'-3-0	1'-1-0	1 1/4"	
			11-1		1'-3-5	1'-2-1		
NO. 1 DOCKING POSITION								
1	P	42'-0"	10-3	6'-0"	1'-3-5	1'-9-0	1'-1/2"	
			10-0		1'-3-1	1'-9-1		
2	P	67'-0"	9-2	8'-0"	1'-0-0	1'-4-7	7/8"	
			10-4		1'-0-1	1'-4-7		
3	P	92'-0"	8-1	8'-4"	11'-0	1'-1-2	1/8"	
			9-6		11'-0	1'-1-2		
4	P	96'-0"	10-3	9'-0"	11'-6	1'-1-0	0"	
			10-0		10'-5	1'-0-4		
5	P	97'-0"	10-0	↓	10'-5	1'-2-2	1/8"	
			10-2	9'-0"	11'-1	1'-2-2		
6	P	108'-0"	10-2	8'-4"	1'-0-4	1'-0-4	7/8"	
			10-2		1'-0-4	1'-3-0		
7	P	113'-0"	9-0	2'-0"	1'-3-0	1'-1-0	1 1/4"	
			11-1		1'-3-5	1'-2-1		

LIST OF SHELL OPENINGS NOTE: Distance to C. L. of Opening

No.	SERVICE	DIM. OF OPENING	DIM. OF FLANGE	SIDE	FWD	AFT	FRM	ABV. B.L.	OFF C.L.	FWD FR 85	AFT FR 85
1	FWD AUX SEA CHEST	13" x 8" ID	–	S	–	13"	16	72"	27"	67'–11"	–
2	BOWTHRUSTER TUNNEL	37" ID	–	P&S	–	–	20	69"	36"	65'	–
3	BOW THRUST COOL SUCTION	5" ID	–	S	9"	–	23	27"	15"	62'–9"	–
4	FOCSLE DRAIN	1 1/2"	–	P&S	–	48"	9	18'–6"	9'–5"	72'–0"	–
5	BOW THRUSTER EXHAUST	6"	–	P	18"	–	30	13'–6"	12'–2 1/2"	56'–2"	–
6	HATCH DRAIN	1 1/2"	–	P&S	13"	–	50	16'–0"	12'–5"	56'–1"	–
7	TRANSDUCER	9"	30" FAIRING	S	–	31"	44	4"	30"	38'–5"	–
8	HATCH DRAIN	1 1/2"	–	P&S	–	6'–6"	44	16'–2"	16'–11 1/2"	34'–6"	–
9	EDUCTOR DISCH	3"	–	P	–	11'–4"	44	11'–11"	14'–8 1/2"	23'–2"	–
10	SEWAGE DISCH	6"	–	P	–	8"	65	12'–0"	16'–11"	19'–4"	–
11	SEWAGE EDUCTOR	3"	–	P	–	46"	65	12'–6"	18'–5 1/2"	16'–2"	–
12	DECK DRAIN	1 1/2"	–	P&S	6"	–	74	13'–8"	18'–6"	11'–6"	–
13	TRANSDUCER	14"	30" FAIRING	S	76"	–	74	3" below	33"	13'–0"	–
14	DECK DRAIN	1 1/2"	–	S	–	6"	92	12'–6"	17'–8"	–	7'–6"
15	OILY WATER DISCH	1 1/2"	–	S	–	24"	92	11'–11"	17'–6 1/2"	–	9'–0"
16	MN DIESEL COOL DISCH	5"	–	S	–	48"	92	10'–6"	16'–10 3/4"	–	11'–0"
17	REEFER BILGE EDUCTOR	3"	6"	P	12"	–	92	11'–4"	16'–3"	–	6'–0"
18	GEN RM BILGE EDUCTOR	3"	–	P	–	18"	92	11'–10"	17'–6"	–	8'–6"
19	CONDENSATE PUMP DISCH	1 1/2"	–	P	–	22"	92	11'–11 1/4"	17'–5"	–	8'–10"
20	EVAP DISCH	3"	–	P	–	22"	92	13'–6"	18'–0"	–	8'–10"
21	SANDIPPER	1 1/4"	–	P	–	28"	92	11'–6"	17'–4"	–	9'–4"
22	DECK DRAIN	1 1/2"	–	P	–	30"	92	12'–6"	17'–8 1/2"	–	9'–6"
23	REEFER COOL DISCH	1 1/4"	–	P	–	54"	92	13'–2"	17'–10 1/2"	–	11'–6"
24	S.S. GENERATOR DISCH.	2"	–	S	9'–0"	–	116	11'–10"	16'–11"	–	22'–0"
25	S.W. PUMP VENT	1 1/4"	–	S	8'–4"	–	116	12'–6"	16'–10"	–	22'–8"
26	S.S. GENERATOR DISCH	2"	–	P	7'–8"	–	116	11'–10	16'–11"	–	23'–4"
27	DECK DRAIN	1 1/2"	–	P	7'–8"	–	116	12'–8"	17'–3 1/2"	–	23'–4"
28	AFT AUX. SEA CHEST	13" x 13"	–	S	38"	–	116	6'6"	12"	–	27'–10"
29	MAIN ENG SEA CHEST	32" x 23"	–	S	38"	–	116	3"	32"	–	27'–10"
30	PROP MTR COOL DISCH	2"	–	S	–	6"	126	12'–6"	15'–8 1/2"	–	41'–6"
31	DECK DRAIN	1 1/2"	–	S	–	54"	126	12'–8"	15'–4 1/2"	–	45'–6"
32	CONDENSATE DRAIN	1 1/4"	–	S	–	7'–6"	126	11'–4"	13'–2 1/2"	–	48'–6"
33	EM COOL PUMP DISCH	1 1/2"	–	P	–	8"	126	12'–8"	15'–8"	–	41'–8"
34	MTR RM BILGE DISCH	2"	–	P	–	8"	126	11'–4"	14'–3 1/2"	–	41'–8"
35	5. TON AC COOL DISCH	2"	–	P	–	26"	126	13'–0"	15'–10"	–	43'–2"
36	30 TON AC COOL DISCH	2 1/2"	–	P	–	50"	126	13'–0"	15'–7 1/2"	–	45'–2"
37	DECK DRAIN	1 1/2"	–	P	–	68"	126	12'–10"	15'–10"	–	46'–8"
38	PROP MTR COOL SEA CHEST	22" x 12"	–	P	18"	–	140	6'5"	56"	–	53'–6"
39	DECK DRAIN	1 1/2"	–	P&S	–	7"	147	12'–10"	11'–10 1/2"	–	62'–7"
40	TURBO WATER DRAIN	1 1/2"	–	P	39"	–	161	16'–5"	11'–6"	–	72'–9"

DRAIN PLUGS OF UNDERWATER VOIDS

3/4 INCH DIA. TYP

BILGE KEEL 48" AFT FR 62 (TOP) P & S

BILGE KEEL 28" FWD FR 85 (BOT) P & S

BILGE KEEL 18" FWD FR 110 (TOP) P & S

RUDDER TOP AND BOTTOM PLATES C.L.

REVISIONS

REV	SHT	ZONE	ITEM	DESCRIPTION	DATE	APRVD

US COAST GUARD NAVY PROPS
NAVAL ENGINEERING DIVISION

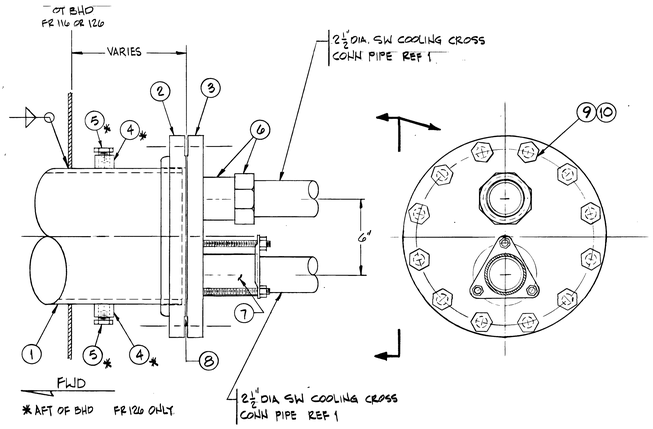
180 FT WLB (401)
DOCKING PLAN
U.S.C.G.C. SASSAFRAS

SIZE A1 | TPCN CASE NO. 81340 | TUCCS DRAWING NO. 149 TE 0700–21 | REV

SCALE AS NOTED | TEXTR 52 FT | SHEET 2 OF 2

DRG NO 149 TE 0700–21 | SH 2 | REV

SCALE FACTOR ELECTRONIC FILENAME
A4 149TE0700-21



DETAIL 8-E (5-D)
SCALE: 3"=1'-0"

LIST OF MATERIAL (QUANTITIES FOR ONE CUTTER)

PC NO	QTY REQD	DESCRIPTION	MATERIAL SPECIFICATIONS	MATERIAL REQD	NSN OR MFR PART NO.	SCE	APL NO.	WEIGHT UNIT	WEIGHT TOTAL	GP	REMARKS
1	12 LF	PIPE, 10" IPS, SCH 40	ASTM A106	STEEL				40.48	485.8		
2	2	FLANGE, 150#, SLIP-ON, WELDED, RF, 10" IPS	ASTM A105					43.0	86.0		
3	2	FLANGE, BLIND, 150# RF, 10" IPS						70.0	140.0		
4	2	¾" THREAD O LET	COML					0.17	0.3		
5	2	¾" THREADED PIPE PLUG	WW-P-460	BRONZE				0.13	0.3		
6	2	STUFFING BOX FOR 2½" PIPE	COML	VARIOUS				3.3	6.6		
7	2	STUFFING BOX FOR 2½" PIPE						3.8	7.6		
8	2	GASKET, 10" IPS	MIL-G-1149	RUBBER				–	–		
9	24	MACHINE BOLTS, ⅞"-9 UNC-2A X 3¾" LG	MIL-S-1222	STEEL/ZINC				1.07	25.7		
10	24	HVY HEX NUTS ⅞"-9 UNC 2B	MIL-S-1222					0.30	7.2		
11	2	5" ø PIPE SLEEVE 2' LONG	ASTM-A-106	STEEL				0.23	.56		
12	1	⅜" PLATE, 9 15/16" DIA (APPROX)	ASTM-A-36								
13	4	1½ x 1½ x ¼ ANGLE									
14	4	5/16" WEB 3 x 2"									
15	2	½" PLATE 2" x 37.76"									
16	4	½" x 1" BOLT/NUT/LOCKWASHER	SST	SST							

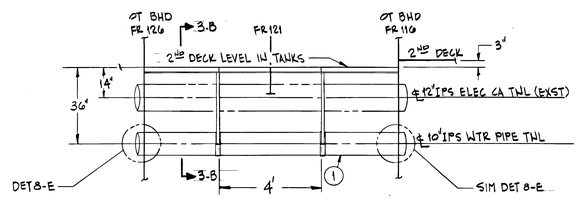
REVISIONS

REV	ZONE	ITEM	DESCRIPTION	BY	DATE	APVD

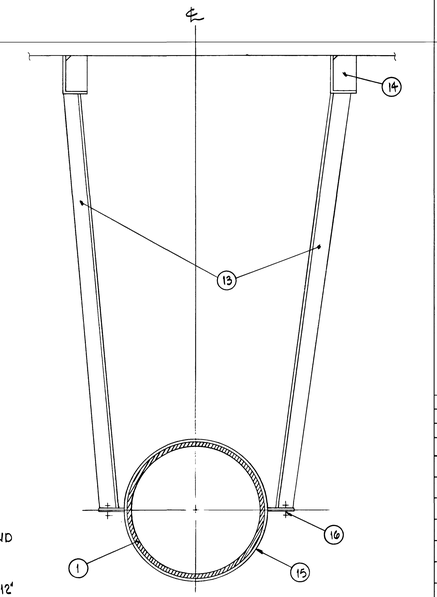
GENERAL NOTES

1. THIS DRAWING IS AN AS-BUILT DRAWING DEVELOPED TO SHOW THE NEW PIPE TUNNEL INCIDENTAL TO THE NEW WATER COOLED STERN TUBE INSTALLATION ON THE USCGC SASSAFRAS (WLB 401) ONLY. A SHIPCHECK MUST BE PERFORMED TO DETERMINE ITS APPLICABILITY ABOARD OTHER VESSELS.
2. PENETRATIONS IN DIESEL OIL TANK BULKHEADS SHALL MAINTAIN OIL TIGHT INTEGRITY.
3. THIS DRAWING WILL BE APPLICABLE TO THE FOLLOWING VESSELS:

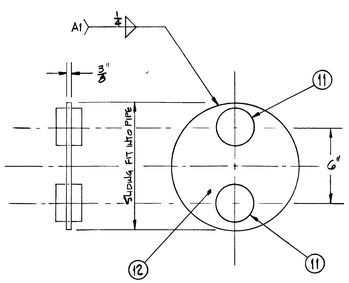
VESSEL	INITIALS	DATE
SASSAFRAS	R.W.	1-9-91
SEDGE		
IRONWOOD		
SWEETBRIER		



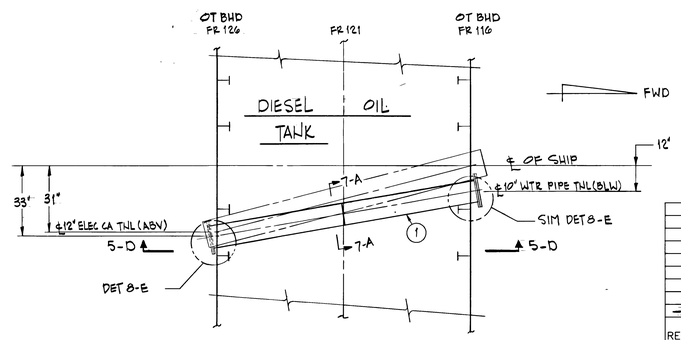
ELEVATION 5-D (5-A)
ELECTRIC CABLE AND WATER PIPE TUNNEL THRU DIESEL OIL TANK
HOLD LEVEL, (5) LKG INBD
SCALE: ½"=1'-0"



SECTION 3-B (5-B)



DETAIL 7-A (5-A)
A1 - WELD 4 LOCATIONS
ALTN AFT SIDE



PLAN 5-A
SCALE: ½"=1'-0"

REV	AS-BUILT SHIPALT NUMBER	WT (GP)	WT (LBS)	I R	VCG REF BL	LCG REF FR 0	F OR A	TCG REF CL	P/S OR O
–	AS-BUILT		760	I	6.0	121.0	A	1.9	S

WEIGHT CONTROL DATA

LEVERS IN FEET TO THE NEAREST TENTH OF A FOOT
USE SEPARATE LINES FOR EACH WT GRP, S/A, REV, WT INSTL, WT RMV
I=INSTALL R=REMOVE
F=FWD A=AFT P=PORT S=STBD O=CL

NO	TITLE	DRAWING NO
2	PIPE/ELEC CABLE TUNNELS THRU O.D. TANKS	149 TE 1107-4, 2
1	DIAGRAM COOLING WTR FOR (NEW) STERN TUBE BEARING	70 TE 4302-56

REFERENCES

SHIP	REV	DATE	SHIPALT	AUTHORITY
WLB 405 USCGC SWEETBRIER		12/80	180C-8-405	
WLB 297 USCGC IRONWOOD		6/90	180B-8-430	
WLB 402 USCGC SEDGE	–	4/90	180C-8-405	
WLB 401 USCGC SASSAFRAS	–	12/84	180C-8-405	

APPLICABILITY

ART ANDERSON ASSOCIATES
1818 FIRST STREET BREMERTON, WA 98310 (206) 479-3400 FAX 479-5605
85 MADISON STREET SEATTLE, WA 98104 (206) 622-6225

MCI MARITIME CONTRACTORS INC
1111 HAMMER AVENUE, SEATTLE, WA 98109

	INITIALS	DATE
DESIGN		
DRAWN	MLS	12/15/89
CHKD		
SUPV. TECH SERVICES		1-9-90
CHIEF. ADMIN BR		6-17-91
TYPE DESK OFFICER		
NOT APPLICABLE PROJECT OFFICER		
CHIEF SUPPORT BR		1/8/91

U.S. COAST GUARD — MLC PACIFIC

NAVAL ENGINEERING DIVISION

180 FT 'BALSAM' CLASS

PIPE TUNNEL FOR NEW WATER COOLED STERN TUBE INCDT TO MARIPOSA MODIFICATIONS

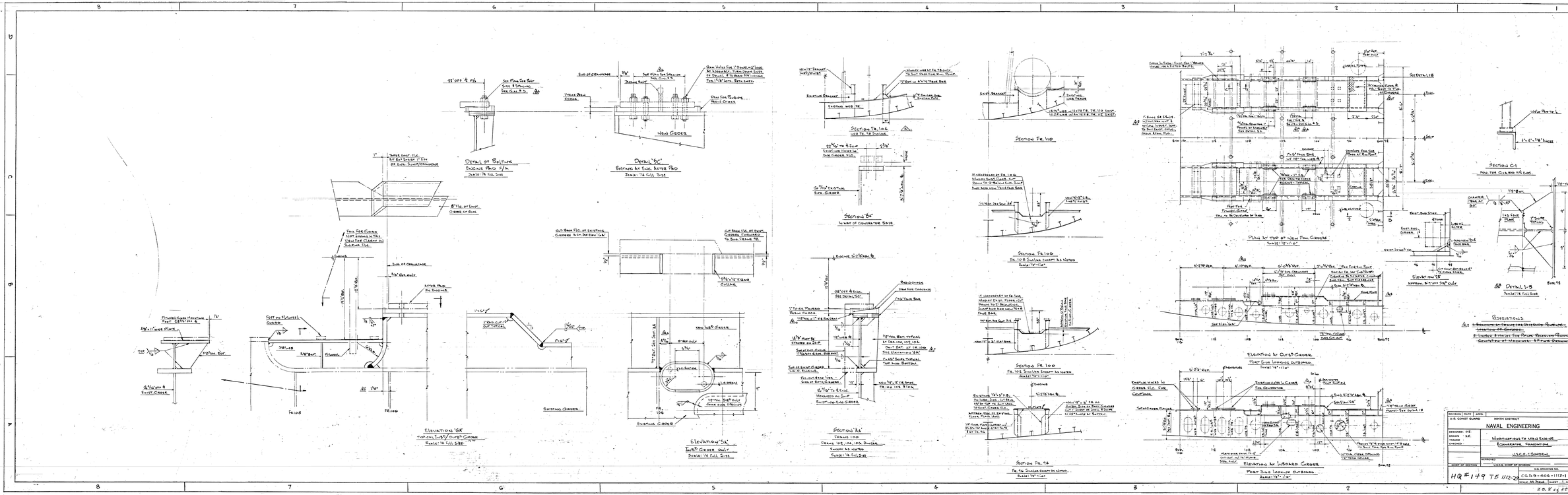
APPROVED — CHIEF. NAVAL ENGINEERING DIVISION — DATE 12/26/91

SIZE	FSCM NO.	USCG DRAWING NO.	REV
H	81340	149 TE 1107-9	–

SCALE AS SHOWN — CHI 140105 — SHEET 1 OF 1

10.42 SQ FT

DWG NO 149 TE 1107-9 REV –


Detail "5C"
Bolting at End Bitter Pad
Scale: 1/4" = 1'-0" Full Size
Detail of Bolting
Engine Pad 5/A
Detail "5B"
Section "5A"
Section "5K"
Section Fr. 110
Section Fr. 106
Section Fr. 100
Section Fr. 98
Elevation "5K"
Typical "Left" Outer Gudgeon
Elevation "5K"
Inner Gudgeon Only
Elevation at Outer Gudgeon
Elevation at Inboard Gudgeon
Section C1
Detail L-5
Operations
PRINTS ISSUED
APPROVALS
NAVAL ENGINEERING
G&W SHIP REPAIR DIVISION
G&W INDUSTRIES, INC.
1898 CARTER RD. CLEVELAND, OHIO 44113
USCGC SAWGRASS - WYTM-64
Modifications to Main Engine Foundations
HQ#149 TE 112-24
CG-D-9-404-112-24
Aug 8, 1987
Aug 8, 1987
Aug 8, 1987
Aug 8, 1987
20 Aug 87