HNSA thanks Ed Zajkowski for his generous loan of the original document used to create this online version.

We also appreciate the help of Oce North America for their assistance in scanning this document.

CVE 53

RESTRICTED - ACCOUNTABLE

SERIAL NO. CVE 53 -

65

CVE 53

AUXILIARY AIRCRAFT CARRIER

579

EZ

BOOKLET OF GENERAL PLANS

H.M.S Searcher

NUMBER & ORDER OF PLANS
1 COVER AND TITLE PAGE
2 DIMENSIONS AND DATA SHEET
3 OUTBOARD PROFILE
4 INBOARD PROFILE
5 ISLAND STRUCTURE
6 FLIGHT DECK
7 WALKWAYS AND GUN PLATFORMS
8 GALLERY DECK
9 FOC'SLE DK. AND DK. HOUSE FLATS
10 MAIN DECK
11 SECOND DECK
12 FIRST PLATFORM
13 SECOND PLATFORM
14 FLATS IN HOLD
15 HOLD
16 INNER BOTTOM
17 MIDSHIP AND TYPE SECTIONS

-NOTE-
IF COPY OF THIS BOOKLET IS DESTROYED OR CUSTODY CHANGED, THE YARD BY WHOM ISSUED SHOULD BE SO NOTIFIED

GENERAL DIMENSIONS

LENGTH BETWEEN PERPENDICULARS	465'-0"
LENGTH OVERALL	495'-8⅛"
BREADTH, OVERALL, AT MAIN DECK SPONSONS, FR 128	87'-10¼"
BREADTH, EXTREME, AT GUN PLATFORMS, FR 31	107'-2¼"
MEAN DRAFT ABOVE BOTTOM OF KEEL (LOAD)	24'-0"

HEIGHTS ABOVE BOTTOM OF KEEL

BOTTOM OF KEEL IS 7/8" BELOW MOLDED BASE LINE

TOP OF Y.G. ANTENNA	135'-10"
TOP OF TOWER MAST	110'-6"
2ND PLATFORM OF TOWER MAST	104'-6"
1ST PLATFORM OF TOWER MAST	97'-4¼"
TOP OF SHIELD AT FOOT OF TOWER MAST	92'-2¼"
OPEN BRIDGE	85'-1½"
℄ OF TRUCK LIGHT	130'-6"
℄ OF MASTHEAD LIGHT	102'-10¾"
℄ OF RANGE LIGHT	88'-3"
℄ OF SIDE LIGHTS	67'-5"
24" SEARCHLIGHT PLATFORM ON ISLAND STRUCTURE (FORD)	76'-7¾"
24" SEARCHLIGHT PLATFORM ON ISLAND STRUCTURE (AFT)	77'-7½"
TOP OF FLIGHT DECK PLANKING (FORD)	72'-0½"
TOP OF FLIGHT DECK PLANKING (AFT)	70'-1⅜"
℄ OF WAKE LIGHT (WHITE)	51'-10¼"

DATA

COMPLEMENT

OFFICERS

	SHIP	AVIATION	TOTAL	BERTHS
COMMANDING OFFICER	1		1	
WARDROOM OFFICERS	36	35	71	
WARRANT OFFICERS	7		7	
TOTALS	44	35	79	100

ENLISTED MEN

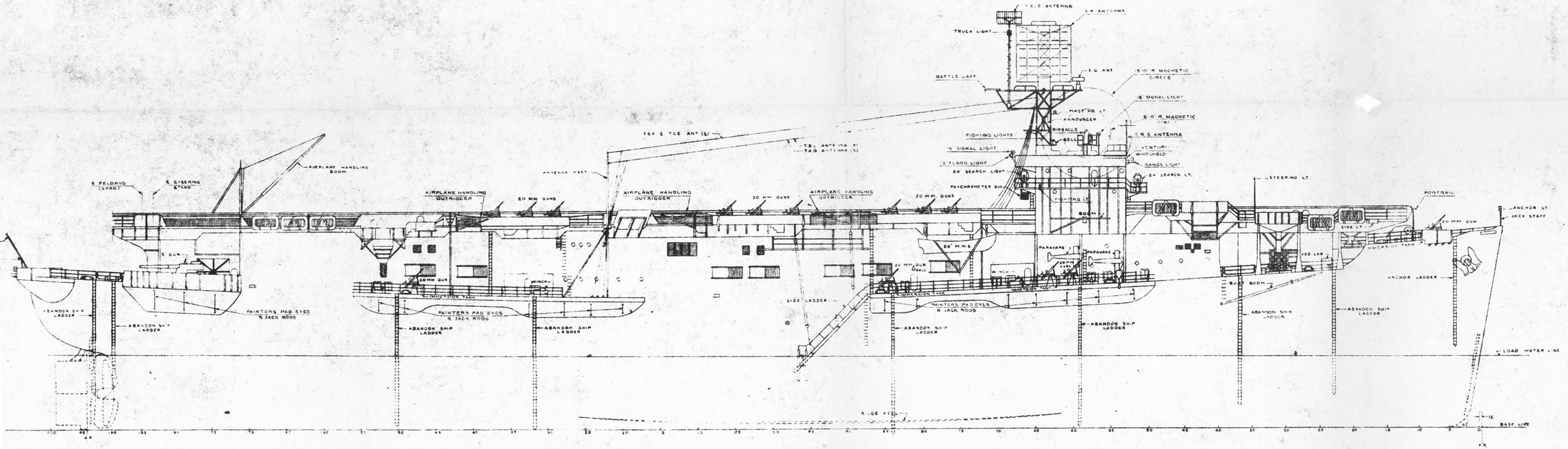
	SHIP	AVIATION	TOTAL	BERTHS
C.P.O.	35	6	41	40
CREW	731	18	749	682
TOTALS	766	24	790	722
GRAND TOTAL	810	59	869	822

SMALL BOATS & LIFE RAFTS

NO.	SIZE & TYPE	MEN EACH	TOTAL
2	26' MOTOR WHALE BOAT (OPEN)	22	44
24	LIFE RAFTS	25	600
	TOTAL ACCOMODATIONS		644

FIRE PLUGS

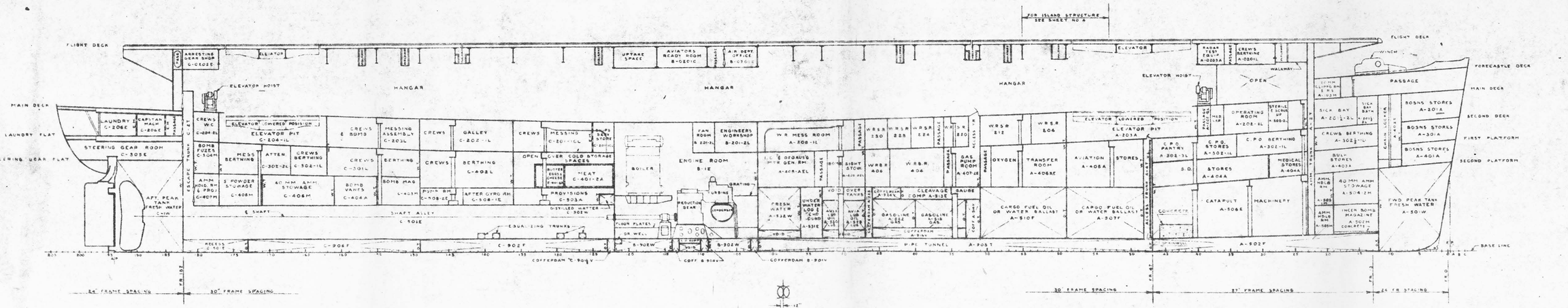
DECK	NO.
FLIGHT DECK	2
FORECASTLE DECK	0
GALLERY DECK	14
MAIN DECK	34
2ND DECK	20
1ST PLATFORM	10
2ND PLATFORM	25
MAGAZINE FLAT	0
HOLD	2
TOTAL	107



OUTBOARD PROFILE

SCALE 1/16" = 1 FT.

BU. SHIPS NO. CVE 53-S0103-397230



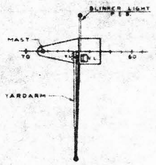
INBOARD PROFILE

0 4 8 16

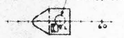
SCALE 1/16" = 1 FT

BU. SHIPS NO. CVE 53-50103-397230

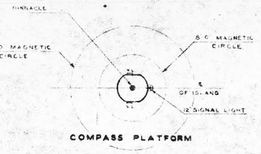
TOP OF MAST



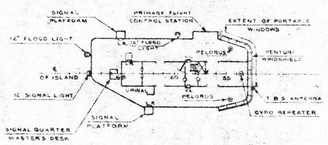
2ND MAST PLATFORM



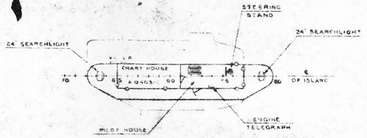
1ST MAST PLATFORM



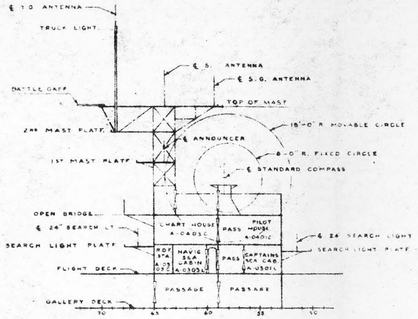
COMPASS PLATFORM



OPEN BRIDGE



NAVIGATING LEVEL

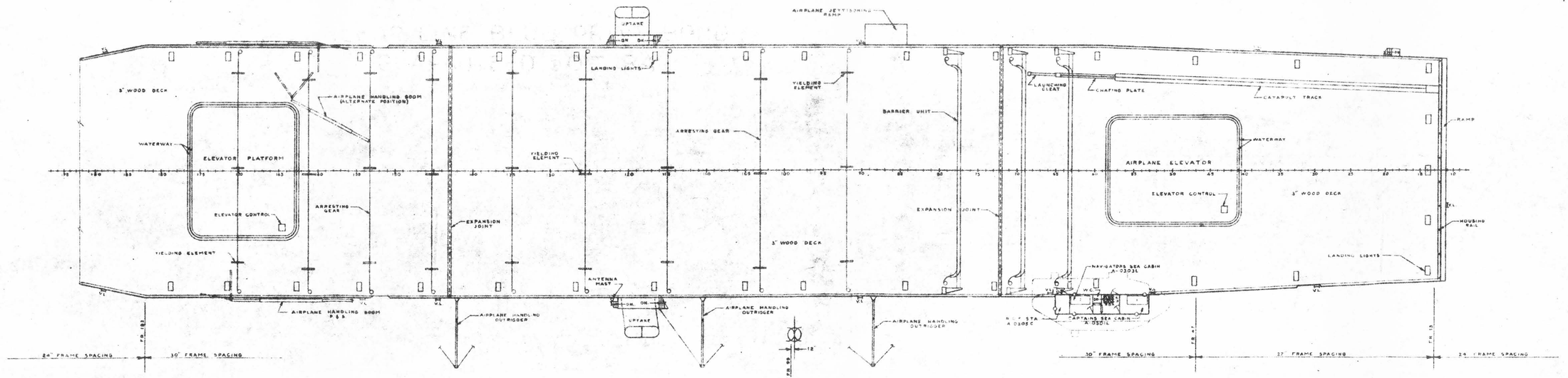


ISLAND STRUCTURE
INBOARD PROFILE

ISLAND STRUCTURE

SCALE 1/16" = 1 FT

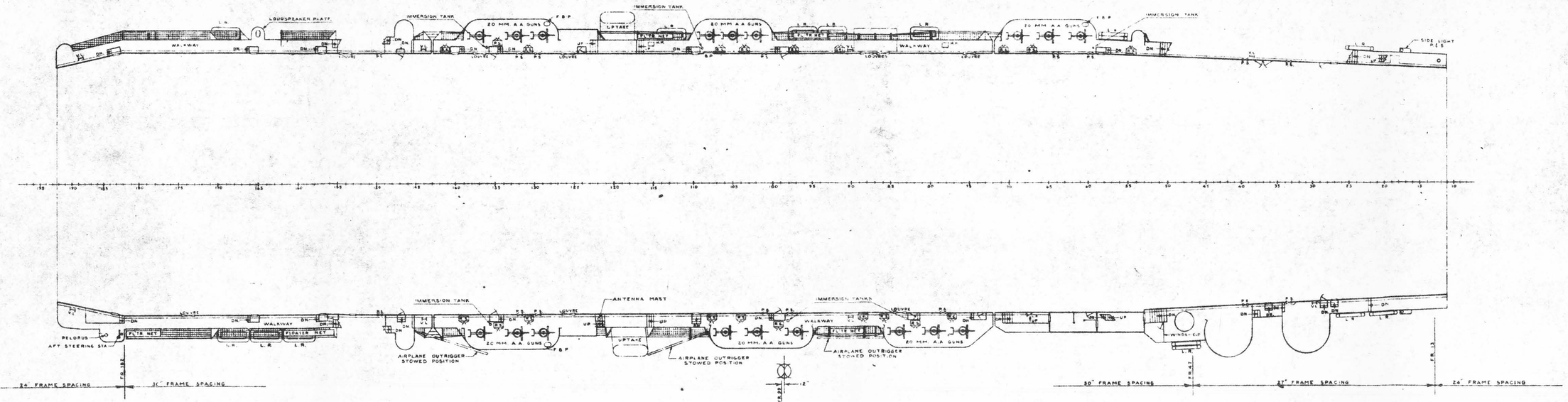
BU. SHIPS NO CVE 53-50103-397230



FLIGHT DECK

SCALE 1/16" = 1 FT.

BU. SHIPS NO. CVE 53-S0103-397230

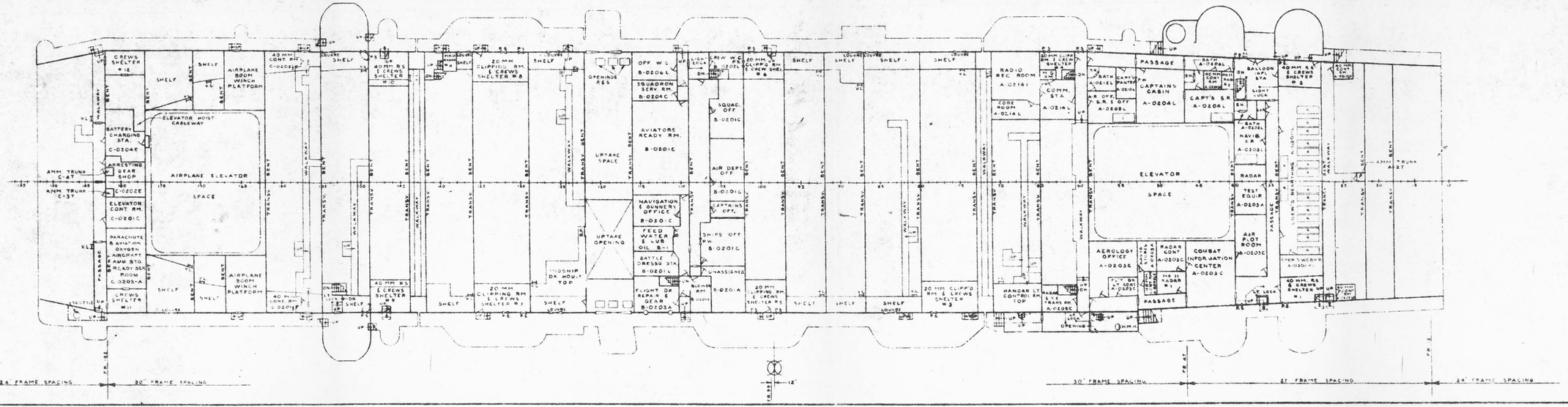


WALKWAYS & GUN PLATFORM

0 4 8 16

SCALE 1/16" = 1 FT.

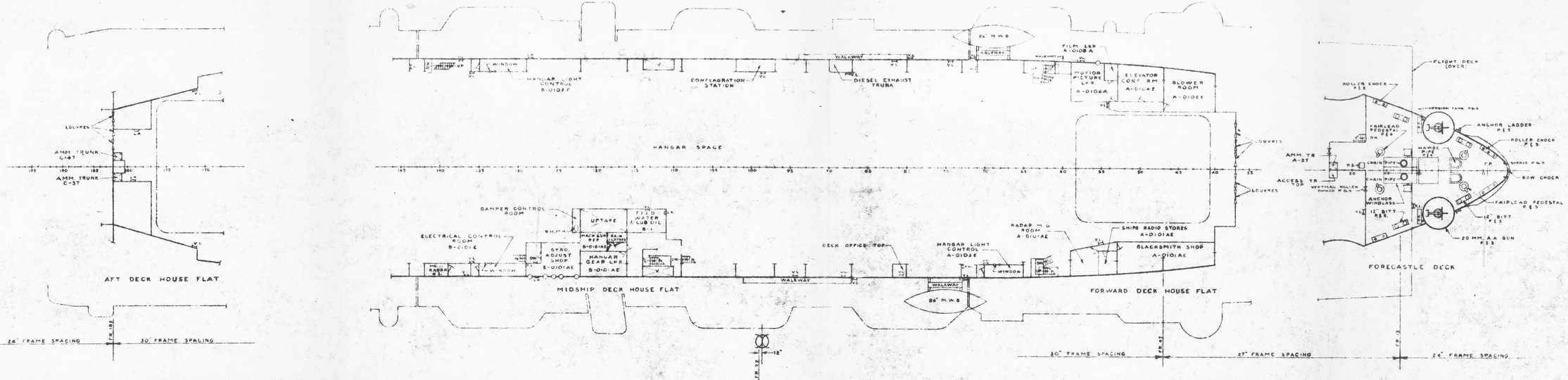
BU. SHIPS NO. CVE 53-S0103-39723



GALLERY DK. & WALKWAYS
UNDER FLIGHT DECK

SCALE 1/16" = 1 FT

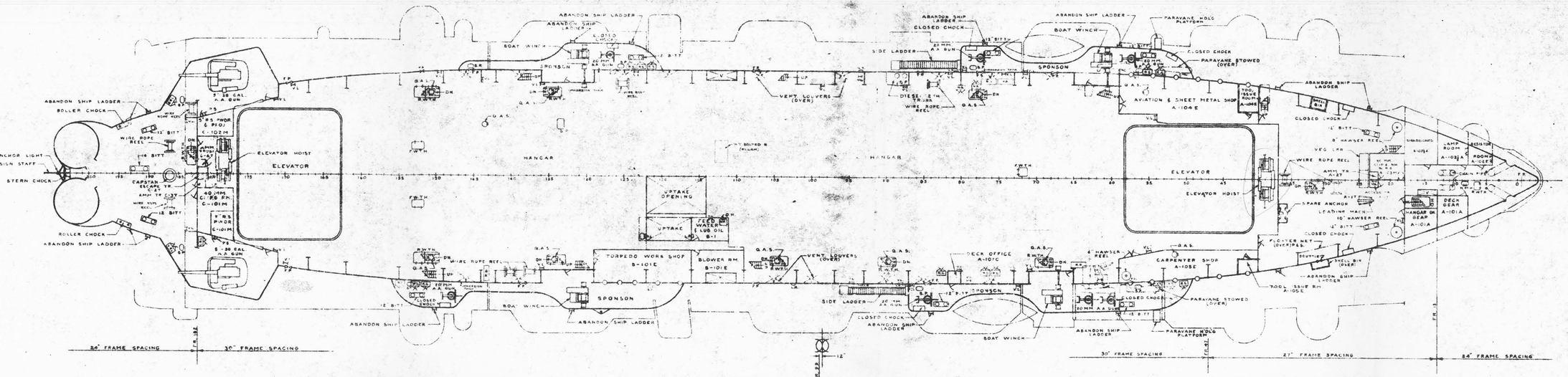
BU. SHIPS NO. CVE 53-S0103-397230



FORECASTLE DECK AND DECK HOUSE FLATS

0 4 8 16
SCALE 1/16" = 1 FT

BU. SHIPS NO. CVE 53-S0103-397230



MAIN DECK

0 4 8 16

SCALE 1/16" = 1 FT

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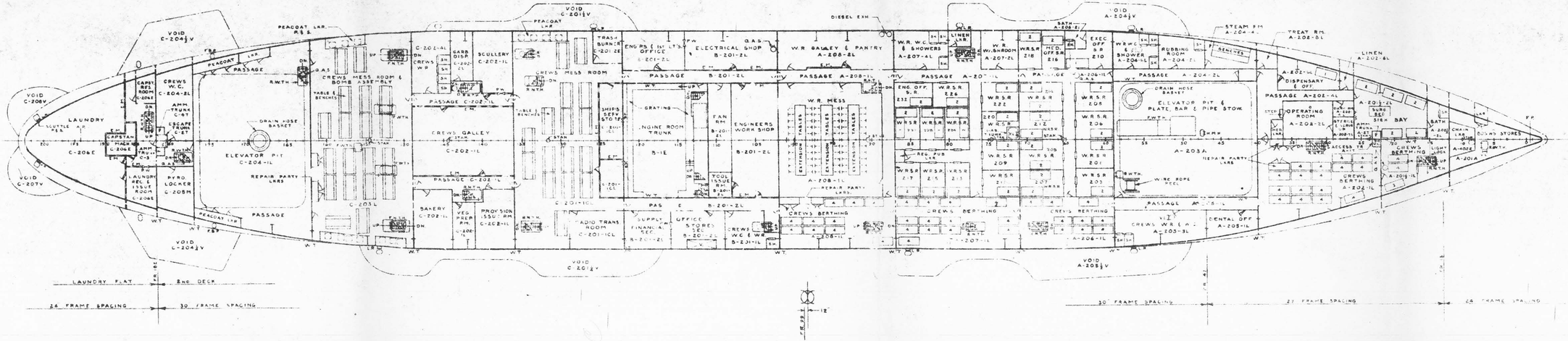
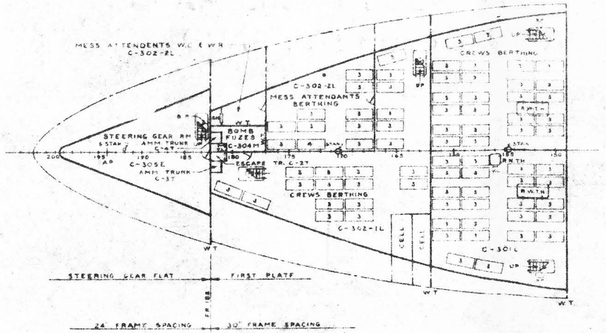


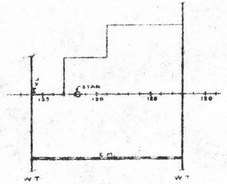
SECOND DECK

0 4 8 16

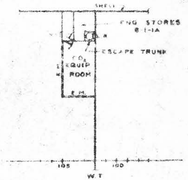
SCALE 1/16" = 1 FT.

BU SHIPS NO CVE 53-S0103-397230

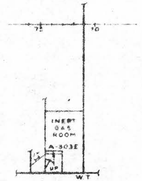




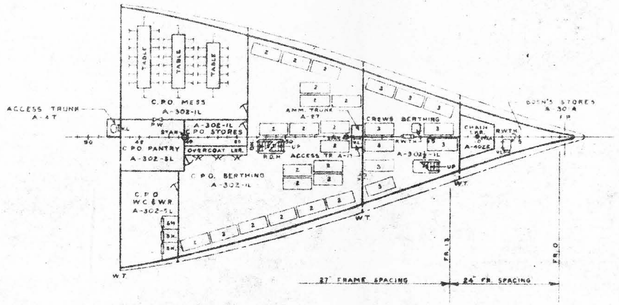
TOP OF COLD STORAGE SPACES



STORES FLAT



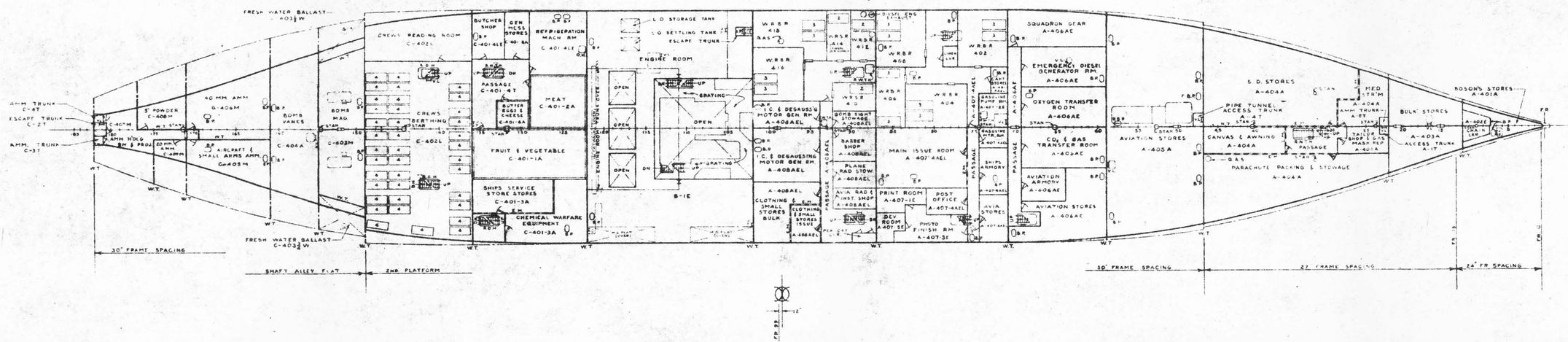
INERT GAS PLANT FLAT



FIRST PLATFORM

0 4 8 16
SCALE 1/16" = 1 FT

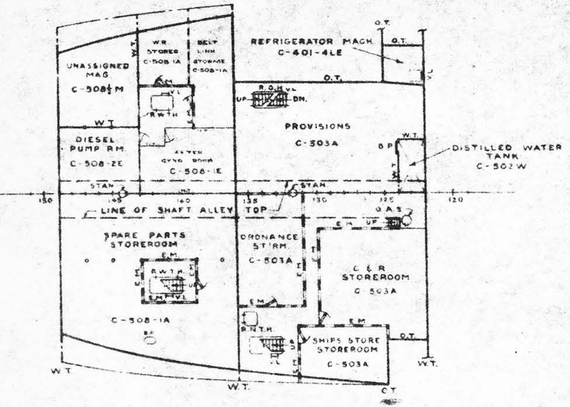
BU. SHIPS NO. CVE 53-S0103-397230



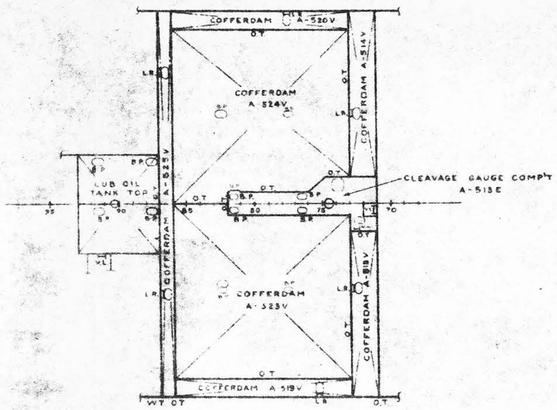
SECOND PLATFORM

SCALE 1/16" = 1 FT.

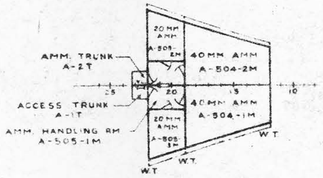
BU SHIPS NO. CVE 53-S0103-397230



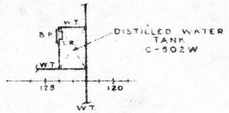
STORES FLAT



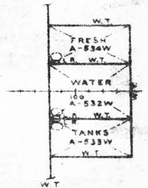
COFFERDAM (OVER GASOLINE TANKS)



MAGAZINE FLAT

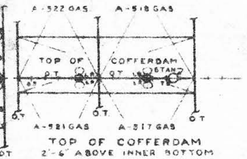


DISTILLED WATER TANK



FRESH WATER TANKS

LUB OIL TANKS



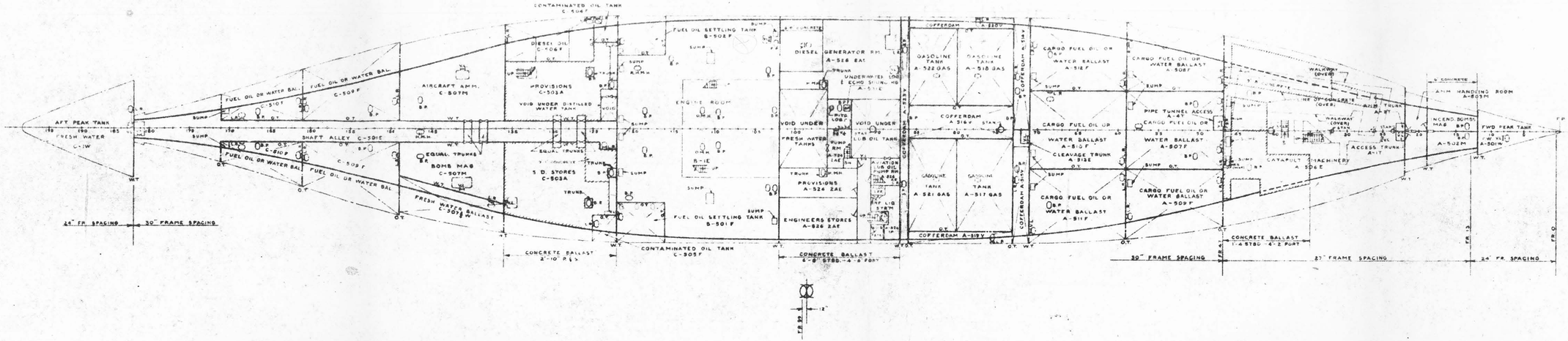
TOP OF COFFERDAM
2'-6" ABOVE INNER BOTTOM

FLATS IN HOLD

0 4 8 16

SCALE 1/16" = 1 FT.

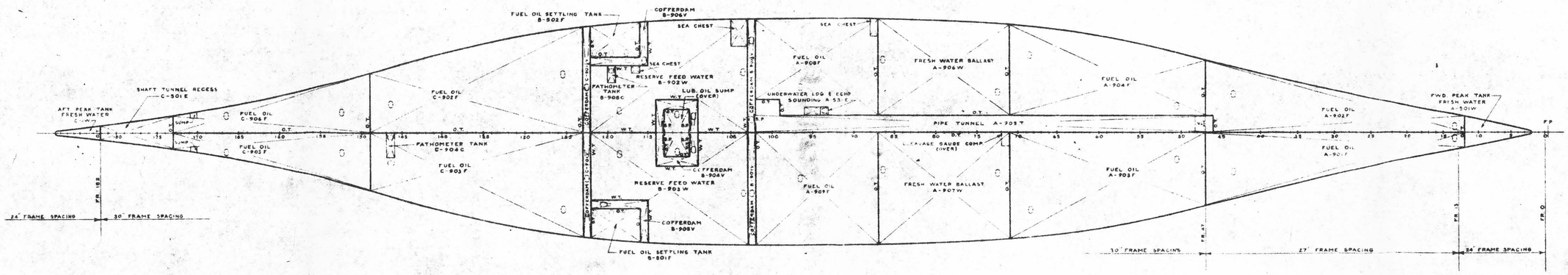
BU. SHIPS NO CVE 53-S0103-397230



HOLD

SCALE 1/16" = 1 FT

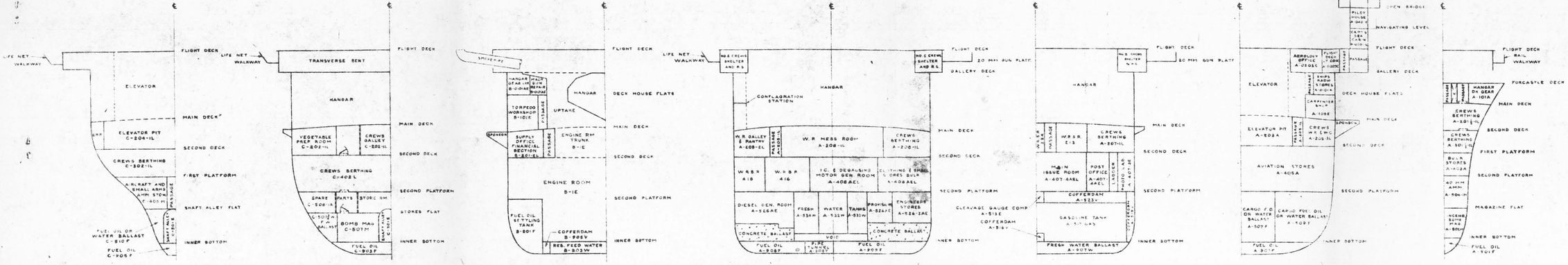
BU. SHIPS NO. CVE 53-S0103-397230



INNER BOTTOM

SCALE 1/16" = 1 FT.

BU SHIPS NO GVE'53-S0103-397230



MIDSHIP & TYPE SECTIONS

0 4 8 16
SCALE 1/16" = 1 FT.

BU SHIPS NO. CVE 53-50103-397250