FILE HEADER INFORMATION

DME DL FILE NUMBER: 22 DME DL FILE NAME: AFT PRT WG WL IB

COMMENTS: AFT MIDSHIP HALF LENGTH PORT WING WALL INBOARD.
SEE SKETCH 1

STATISTICAL INFORMATION ON DME DL DATA

NUMBER OF READINGS: 20 NOMINAL THICKNESS 0.500
MINIMUM READING: 0.465 IN MINIMUM READING AT LOCATION: 11
MAXIMUM READING: 0.527 IN MAXIMUM READING AT LOCATION: 16
RANGE OF READINGS: 0.062 IN MEAN: 0.495 IN

LOCATION	READING	% WASTAGE
1	0.509	2%
2	0.520	4%
3	0.497	-1%
4	0.509	2%
5	0.486	-3%
6	0.495	-1%
7	0.483	-3%
8	0.489	-2%
9	0.485	-3%
10	0.505	1%
11	0.465	-7%
12	0.489	-2%
13	0.489	-2%
14	0.503	1%
15	0.499	0%
16	0.527	5%
20	0.489	-2%
21	0.501	0%
22	0.479	-4%
23	0.484	-3%

FILE HEADER INFORMATION

DME DL FILE NUMBER: 23 DME DL FILE NAME: AFT STBD WG WL IB

COMMENTS: AFT MIDSHIP HALF LENGTH STBD WING WALL INBOARD.
SEE SKETCH 1

STATISTICAL INFORMATION ON DME DL DATA

NUMBER OF READINGS: 20 NOMINAL THICKNESS 0.500
MINIMUM READING: 0.454 IN MINIMUM READING AT LOCATION: 22
MAXIMUM READING: 0.510 IN MAXIMUM READING AT LOCATION: 12
RANGE OF READINGS: 0.056 IN MEAN: 0.492 IN

LOCATION	READING	% WASTAGE
1	0.495	-1%
2	0.492	-2%
3	0.492	-2%
4	0.501	0%
5	0.491	-2%
6	0.500	0%
7	0.471	-6%
8	0.474	-5%
9	0.501	0%
10	0.507	1%
11	0.499	0%
12	0.510	2%
13	0.506	1%
14	0.506	1%
15	0.487	-3%
16	0.496	-1%
20	0.494	-1%
21	0.495	-1%
22	0.454	-9%
23	0.486	-3%

E HEADER INFORMATION

ME DL FILE NUMBER: 24 DME DL FILE NAME: AFT CNTR BLKHD

OMMENTS: AFT MIDSHIP HALF LENGTH CENTER BULKHEAD.
SEE SKETCH 2

STATISTICAL INFORMATION ON DME DL DATA

JUMBER OF READINGS: 4 NOMINAL THICKNESS 0.500

MINIMUM READING: 0.480 IN MINIMUM READING AT LOCATION: 4

MAXIMUM READING: 0.516 IN MAXIMUM READING AT LOCATION: 1

RANGE OF READINGS: 0.036 IN MEAN: 0.496 IN

LOCATION	READING	% WASTAGE
1	0.516	3%
2	0.496	-1%
3	0.495	-1%
4	0.480	-4%

FILE HEADER INFORMATION

DME DL FILE NUMBER: 25 DME DL FILE NAME: FWD RAKE & S CHEST

COMMENTS: FORWARD RAKE TANK AS NOTED BY ABS

READING 1 FIRE PUMP SEA CHEST AT HULL PORT SIDE

READING 2. FIRE PUMP SEA CHEST AT 30"" FROM HULL PORT SIDE"

READING 6 FIRE PUMP SEA CHEST AT HULL PORT SIDE

STATISTICAL INFORMATION ON DME DL DATA

NUMBER OF READINGS: 3 NOMINAL THICKNESS 0.500

MINIMUM READING: 0.403 IN MINIMUM READING AT LOCATION: 6

MAXIMUM READING: 0.445 IN MAXIMUM READING AT LOCATION: 2

RANGE OF READINGS: 0.042 IN MEAN: 0.430 IN

LOCATION	READING	% WASTAGE
1	0.443	-11%
2	0.445	-11%
6	0.403	-19%

FILE HEADER INFORMATION

DME DL FILE NUMBER: 26 DME DL FILE NAME: AFT RAKE TANK

COMMENTS: "AFT RAKE TANK AS NOTED BY ABS. LONGITUDINALS WITH ""DELAMINA

STATISTICAL INFORMATION ON DME DL DATA

NUMBER OF READINGS: 3 NOMINAL THICKNESS 0.312

MINIMUM READING: 0.285 IN MINIMUM READING AT LOCATION: 10

MAXIMUM READING: 0.318 IN MAXIMUM READING AT LOCATION: 11

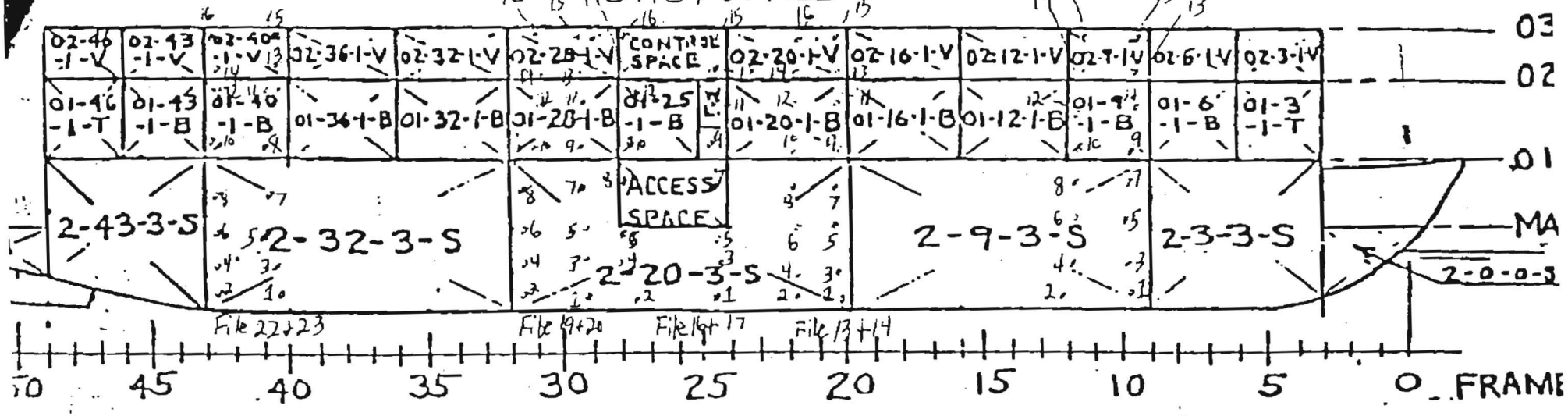
RANGE OF READINGS: 0..033 IN MEAN: 0.299 IN

LOCATION	READING	% WASTAGE
10	0.285	-9%
11	0.318	2%
12	0.295	-5%

TANK ARRANGEMENT & NOMENCLATURE

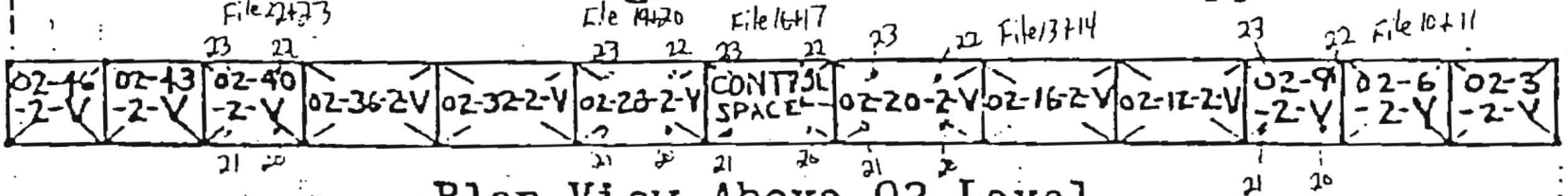
File 10+11

Sketch 1



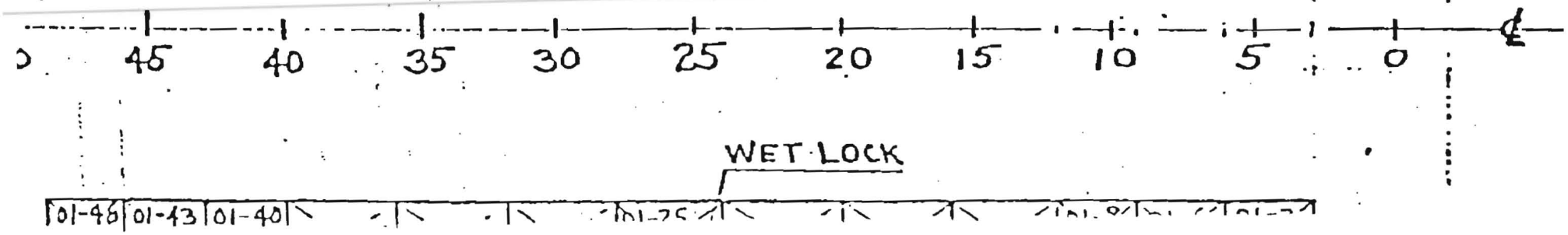
Elevation

Inbd of Stbd Shell lkg Inbd -- Port Side Opposite



Plan View Above 02 Level

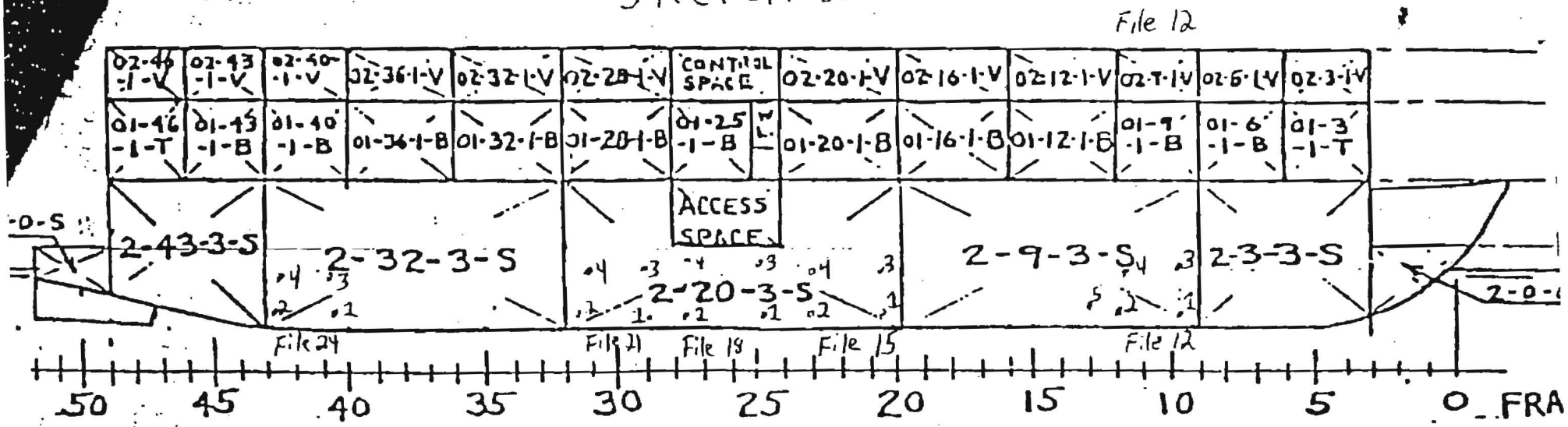
Port Side Shown -- Stbd Opposite



CONSTRUCTION BARGE HMB-1

TANK ARRANGEMENT & NOMENCLATURE

Sketch 2

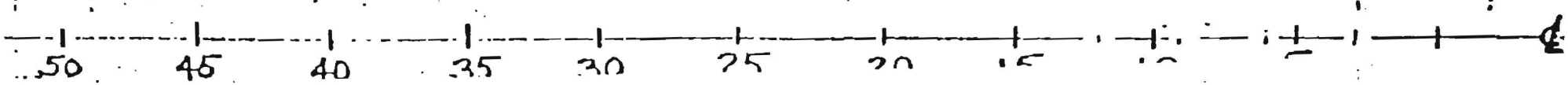


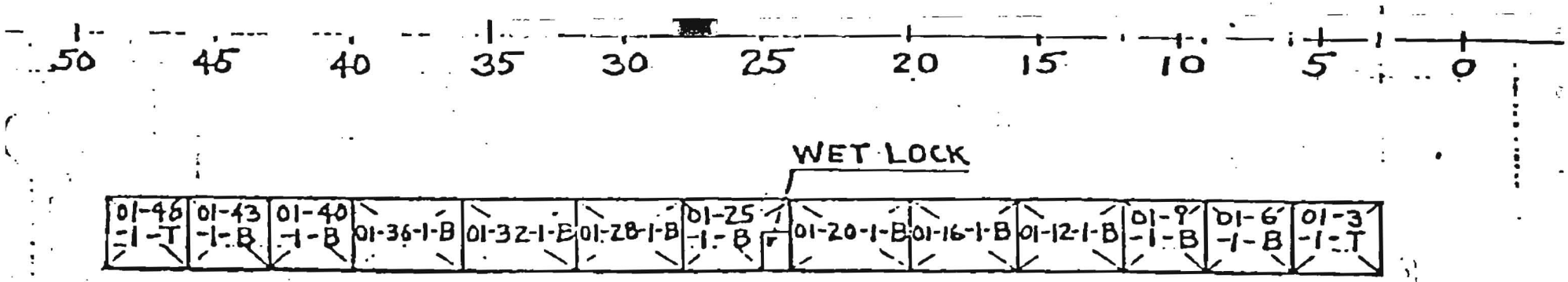
Elevation

Inbd of Stbd Shell lkg Inbd -- Port Side Opposite

Plan View Above 02 Level

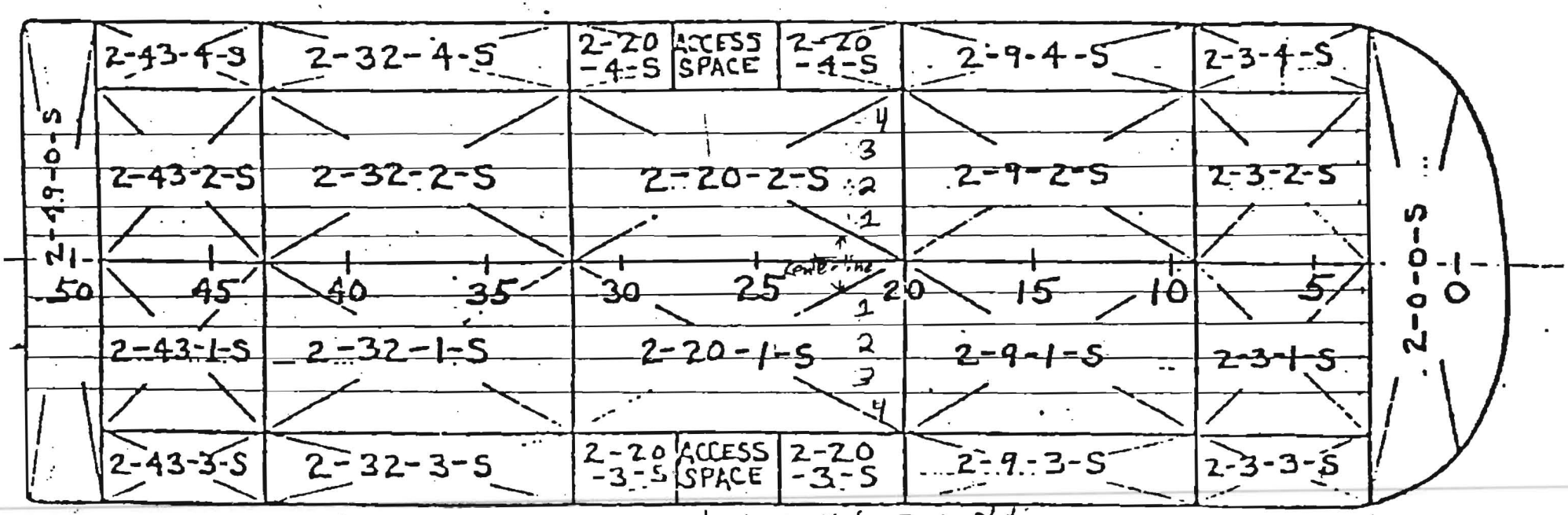
Port Side Shown -- Stbd Opposite





Plan View Above 01 Level

Stbd Side Shown -- Port Opposite



File 1-9 Main Deck Plating

Plan View at Main Deck

Sketch 3

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SOUTH WEST MARINE INC.

SKETCH NO. N/A

VESSEL: HMB1 BARGE (LOCKHEED MISSILES & SPACE, NDT OF PIPING (MISC

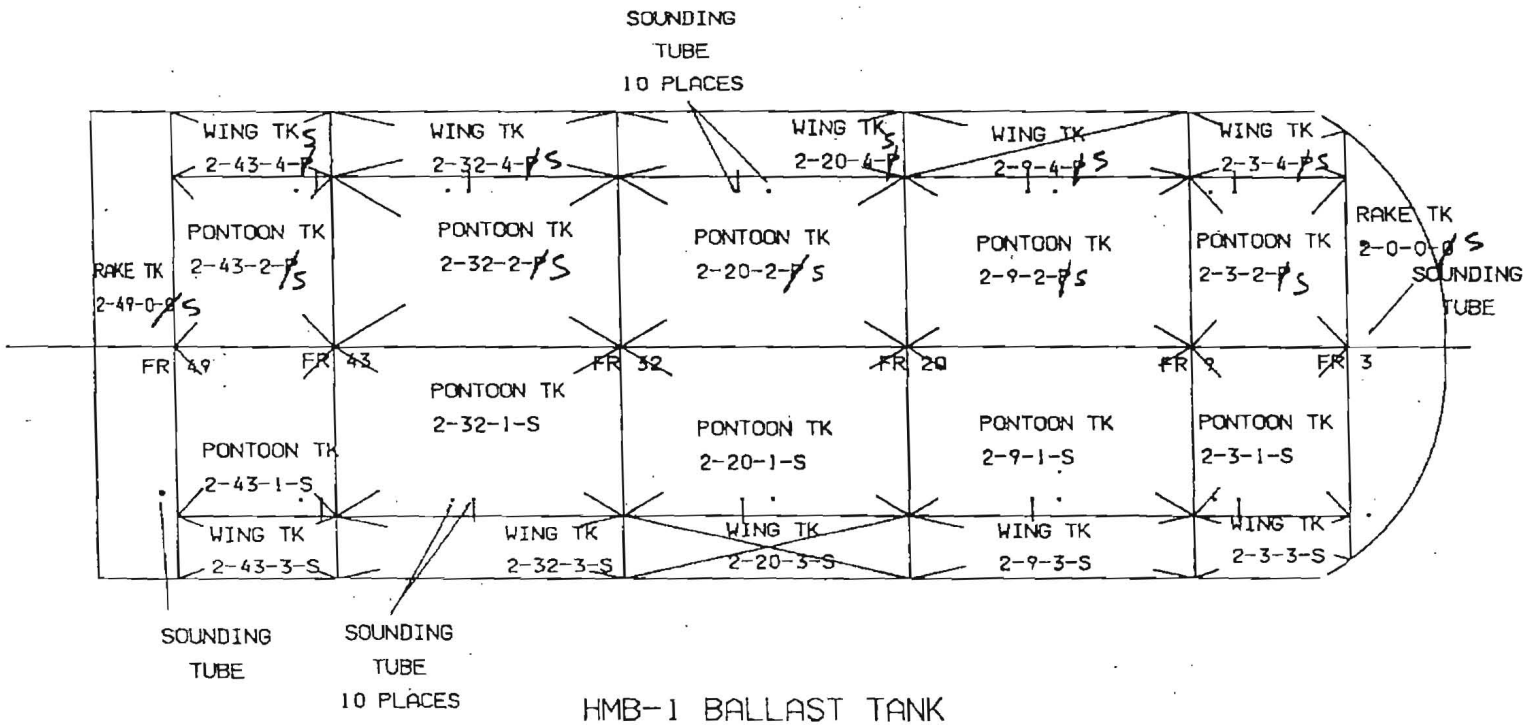
JOB NO: 2042 LOCATION: INTERNAL

ITEM NO: 053 ORIGINAL THICKNESS: SCH.30

DATE: 8-28-92 TITLE: Ultrasonic thickness gauging.

SYSTEM	PIPE SIZE	SCH.	ORIG THICKNESS DESIGN	ACTUAL	LOCATION
fwd/XDCR	4"	80	.337	.337	6" ABV SHELL
" "	"	"	"	.346	5' "
stbd/XDCR	"	"	"	.324	6" "
" "	"	"	"	.347	5' "
aft/XDCR	"	"	"	.332	6" ABV SHELL
" "	"	"	"	.344	5' "
port/XDCR	"	"	NOT MEASURED		6" " "
" "	"	"	"	"	5' " "
port/FWD blowout	2"	"	.218	.357	6" ABV SHELL
	2-1/2	"	.276	.278	5' "
port/AFT blowout	2"	"	.218	.348	6" ABV SHELL
	2-1/2	"	.276	.285	5' "
stbd/FWD blowout	2"	"	.218	.339	6" ABV. SHELL
	2-1/2	"	.276	.295	from CL BHD
"	3"	"	.300	.280	aft of tee
stbd/AFT blowout	2"	"	.218	.365	6" ABV SHELL
	2"	"	.218	.218	1' + ABV SHELL
	2"	"	.218	.208	3' + ABV SHELL
	3"	"	.300	.285	btwn BHD&TEE
	4"	"	.337	.345	to vestibule

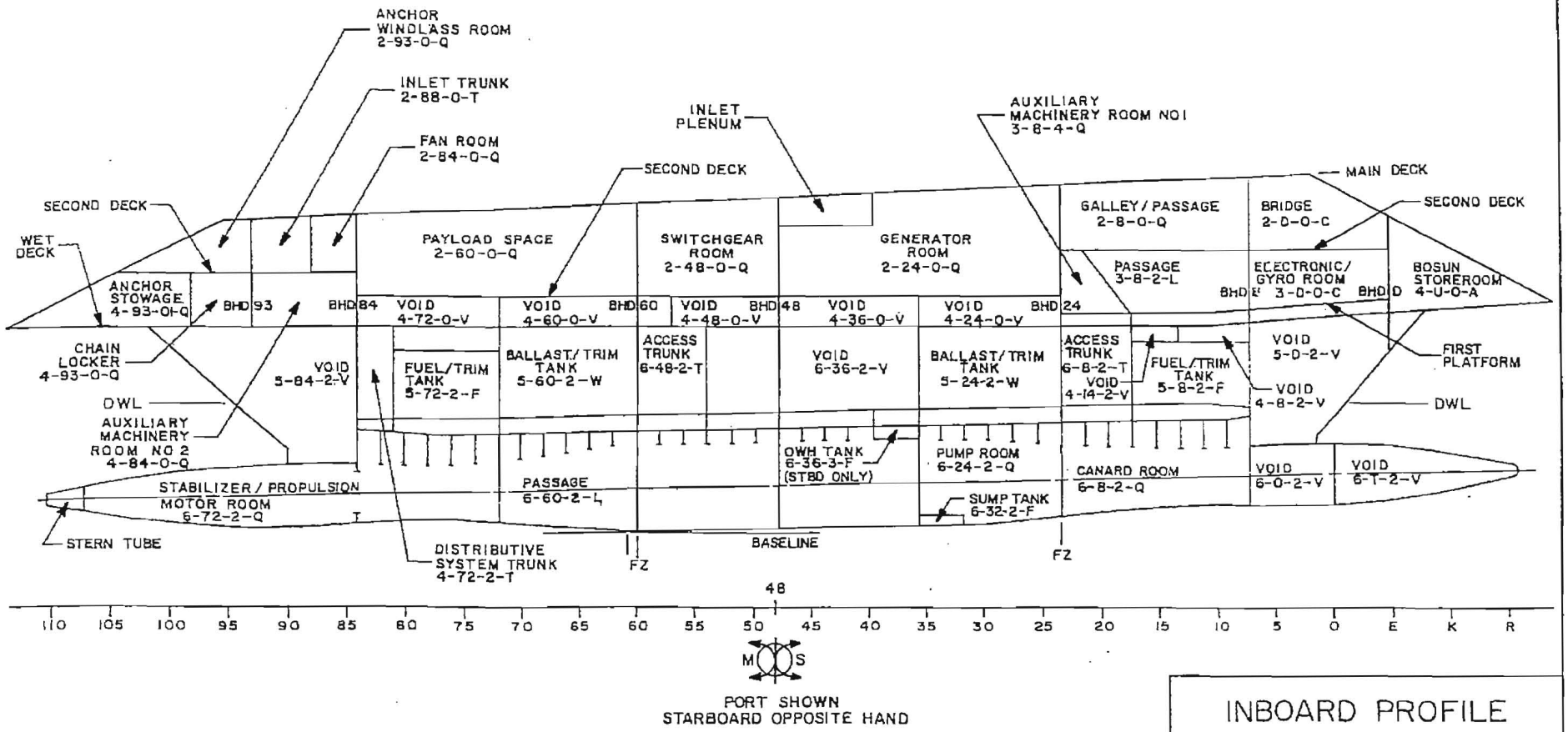
Pipes and locations as directed by Paul Gaczmsky, Vessel Rep.



HMB-1 BALLAST TANK
AND SOUNDING TUBE ARRANGEMENT

S - Soft

FIGURE 4



INBOARD PROFILE

DRAWING NO	REV
2589000	C

SCALE: 3/32"=1'-0"	SH 1 OF 1	PAGE 7

HMB-1 - Tanks, Sea Chests, and Valves

Tank	Sea Chest	Valves
Rake		
- Forward 2-0-0-S	Yes	14 inch
- Aft 2-49-0-S	Yes	14 inch
Starboard Pontoon		
- 2-3-1-S	Yes	14 inch for pontoon tank, 8 in for outboard Wing tank
- 2-9-1-S	Yes	14 inch for pontoon tank, 8 in for outboard Wing tank
- 2-20-1-S	Yes	14 inch for pontoon tank, 8 in for outboard Wing tank
- 2-32-1-S	Yes	14 inch for pontoon tank, 8 in for outboard Wing tank
- 2-43-1-S	Yes	14 inch for pontoon tank, 8 in for outboard Wing tank
Port Pontoon		
- 2-3-2-S	Yes	14 inch for pontoon tank, 8 in for outboard Wing tank
- 2-9-2-S	Yes	14 inch for pontoon tank, 8 in for outboard Wing tank
- 2-20-2-S	Yes	14 inch for pontoon tank, 8 in for outboard Wing tank
- 2-32-2-S	Yes	14 inch for pontoon tank, 8 in for outboard Wing tank
- 2-43-2-S	Yes	14 inch for pontoon tank, 8 in for outboard Wing tank
Starboard Wing		
- 2-3-3-S	No	Filled from 8 in valve in 2-3-1-S
- 2-9-3-S	No	Filled from 8 in valve in 2-9-1-S
- 2-20-3-S	No	Filled from 8 in valve in 2-20-1-S
- 2-32-3-S	No	Filled from 8 in valve in 2-32-1-S
- 2-43-3-S	No	Filled from 8 in valve in 2-43-1-S
Port Wing		
- 2-3-4-S	No	Filled from 8 in valve in 2-3-2-S
- 2-9-4-S	No	Filled from 8 in valve in 2-9-2-S
- 2-20-4-S	No	Filled from 8 in valve in 2-20-2-S
- 2-32-4-S	No	Filled from 8 in valve in 2-32-2-S
- 2-43-4-S	No	Filled from 8 in valve in 2-43-2-S

HMB

Sounding Tube Serves:	Sounding Location Point
2-0-0-S	Main Deck
2-3-1-S	Main Deck
2-3-2-S	Main Deck
2-3-3-S	Main Deck
2-3-4-S	Main Deck
2-9-1-S	Main Deck
2-9-2-S	Main Deck
2-9-3-S	Main Deck
2-9-4-S	Main Deck
2-20-1-S	Main Deck
2-20-2-S	Main Deck
2-20-3-S	Main Deck
2-20-4-S	Main Deck
2-32-1-S	Main Deck
2-32-2-S	Main Deck
2-32-3-S	Main Deck
2-32-4-S	Main Deck
2-43-1-S	Main Deck
2-43-2-S	Main Deck
2-43-3-S	Main Deck
2-43-4-S	Main Deck
2-49-0-S	Main Deck

Hull Valves	
2-0-0-S	14"
2-3-1-S	14"
2-3-2-S	14"
2-3-3-S	8"
2-3-4-S	8"
2-9-1-S	14"
2-9-2-S	14"
2-9-3-S	8"
2-9-4-S	8"
2-20-1-S	14"
2-20-2-S	14"
2-20-3-S	8"
2-20-4-S	8"
2-32-1-S	14"
2-32-2-S	14"
2-32-3-S	8"
2-32-4-S	8"
2-43-1-S	14"
2-43-2-S	14"
2-43-3-S	8"
2-43-4-S	8"
2-49-0-S	14"

Sea Shadow

Valve Number	Location	Description
CF-1	6-36-1-V	Stbd counterflood tank.
CF-2	6-36-2-V	Port counterflood tank.
Depth Sounder opening	6-0-1-V	Depth sounder tube, starboard hull forward
Depth transducer opening	6-8-1-Q	Stbd Fwd, Outboard, space
Depth transducer opening	6-8-2-Q	Port Fwd, Outboard, space
Depth transducer opening	6-72-1-Q	Stbd Aft, Outboard, space
Depth transducer opening	6-72-2-Q	Port Aft, Outboard, space
Z-17	6-8-1-Q	Sanitary drain system, CHT pump out system, and the stbd fwd eductor system.
Z-18	6-8-1-Q	Stbd fwd trim & ballast system.
Z-19	6-8-2-Q	Port fwd trim & ballast system.
Z-20	6-24-1-Q	Fire pump suction sea chest, starboard
Z-21	6-24-1-Q	Diesel cooling water (port and stbd engines), an oily waste overboard, and an oily waste overflow from the oily waste holding tank.
Z-22	6-36-1-V	Stbd exhaust cooling.
Z-23	6-24-2-Q	Fire pump suction sea chest, port.
Z-24	6-24-2-Q	Fwd chillers, port fwd eductor system, and oily waste ovbd
Z-25	6-24-2-Q	Port engine exhaust cooling.
Z-26	6-48-1-T	Stbd aft trim & ballast system.
Z-27	6-48-1-T	Quarterdeck deck drain.
Z-28	6-36-2-V	Fwd plenum drain.
Z-29	6-48-2-T	Port aft trim & ballast system.
Z-30	6-60-1-I	Stbd propulsion cooling system, the stbd aft eductor system, and oily waste overboard.
Z-31	6-60-2-L	Port propulsion cooling system, the port aft eductor, an oily waste overboard, and aft chillers.
Z-32	6-72-2-L	Aft plenum/inlet trunk drain.