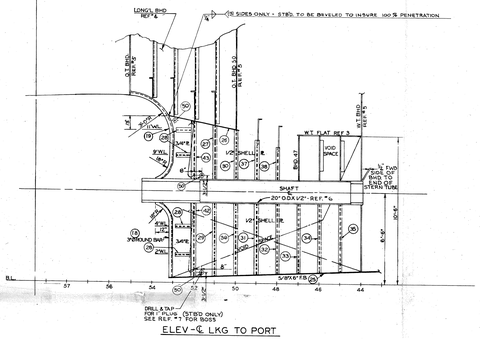
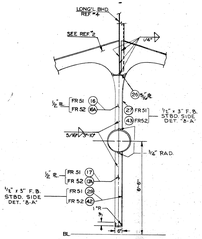
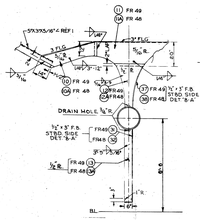


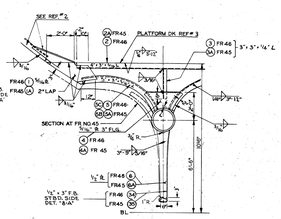
ELEV - ℄ LKG TO PORT



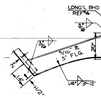
FRAME 51
LOOKING FWD
FR NO 52 SIMILAR



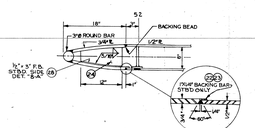
FRAME 49
LOOKING FWD
FR NO. 48 SIMILAR



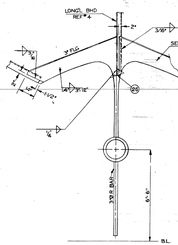
FRAME 46
LOOKING FWD
FR NO. 45 SIMILAR



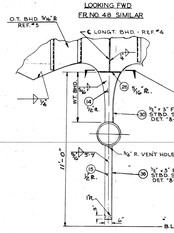
FRAME 54
LOOKING FWD



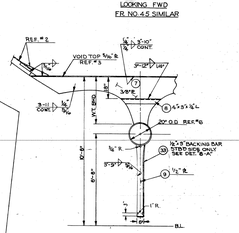
SECTION AT STERN FRAME
SCALE: 1 1/2" = 1'-0"



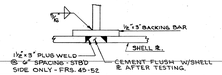
FRAME 53
LOOKING FWD



FRAME 50
LOOKING FWD



FRAME 47
LOOKING FWD



DETAIL "8-A"

100-4442364

PARTS LIST

ITEM NO.	QTY REQ.	CODE IDENT.	PART NO.	SYMBOL	DESCRIPTION	MAT'L	SPEC NO	REMARKS	GR WT	UNIT WT	LINE NO.
50	3				1" I.P.S. PIPE PLUG	STAINLESS STEEL		HEX- COUNTERSUNK			
49											
48											
47											
46											
45											
44											
43	1				F.B. 1/2" x 3"		ABS				
42	1				F.B. 1/2" x 3"	STEEL	ABS				
41											
40											
39											
38	1										
37	1										
36	1										
35	1				F.B. 1/2" x 3"						
34	1				E 5/16"	STEEL	ABS				
33	1				FLAT BAR 5/8"x6"	STEEL	ABS RULES				
32	1				PLATE 1/2"	STEEL	ABS RULES				
31	1				FLAT BAR 1/8"x1"	STEEL	ABS RULES				
30	1				FLAT BAR 1/8"x1"	STEEL	ABS RULES				
29	1										
28	4										
27	1				ROUND BAR 3"DIA.	STEEL	ABS RULES				
26	1				ROUND BAR 3"DIA.	STEEL	ABS RULES				
25	68 L/F				PLATE 1/2"	STEEL	ABS RULES				
24	1				PLATE 1/2"	STEEL	ABS RULES				
23	1				PLATE 1/2"	STEEL	ABS RULES				
22	1				PLATE 1/2"	STEEL	ABS RULES				
21											
20											
19	1				PLATE 1/2"	STEEL	ABS RULES				
18	1				PLATE 1/2"	STEEL	ABS RULES				
17A	1				PLATE 1/2"	STEEL	ABS RULES				
17	1				PLATE 1/2"	STEEL	ABS RULES				
16A	1				PLATE 1/2"	STEEL	ABS RULES				
16	1				PLATE 1/2"	STEEL	ABS RULES				
15	1				PLATE 1/2"	STEEL	ABS RULES				
13	1				PLATE 1/2"	STEEL	ABS RULES				

PARTS LIST

ITEM NO.	QTY REQ.	CODE IDENT.	PART NO.	SYMBOL	DESCRIPTION	MAT'L	SPEC NO	REMARKS	GR WT	UNIT WT	LINE NO.
13A	1				PLATE 1/2"	STEEL	ABS RULES				
13	1				PLATE 1/2"	STEEL	ABS RULES				
12A	1				PLATE 1/2"	STEEL	ABS RULES				
12	1				PLATE 1/2"	STEEL	ABS RULES				
11A	1				PLATE 5/16"	STEEL	ABS RULES				
11	1				PLATE 5/16"	STEEL	ABS RULES				
10A	19 P/S				PLATE 5/16"	STEEL	ABS RULES				
10	19 P/S				PLATE 5/16"	STEEL	ABS RULES				
9	1				PLATE 1/2"	STEEL	ABS RULES				
8	1				ANGLE 4"x3"x1/4"	STEEL	ABS RULES				
7	1				PLATE 3/8"	STEEL	ABS RULES				
6A	1				PLATE 1/2"	STEEL	ABS RULES				
6	1				PLATE 1/2"	STEEL	ABS RULES				
5C	2				FLAT BAR 5/8"x3"	STEEL	ABS RULES				
5B	2				FLAT BAR 5/8"x3"	STEEL	ABS RULES				
5A	2				PLATE 5/16"	STEEL	ABS RULES				
5	2				PLATE 5/16"	STEEL	ABS RULES				
4A	1				PLATE 5/16"	STEEL	ABS RULES				
4	1				PLATE 5/16"	STEEL	ABS RULES				
3A	1				ANGLE 3"x3"x1/4"	STEEL	ABS RULES				
3	1				ANGLE 3"x3"x1/4"	STEEL	ABS RULES				
2A	1				ANGLE 4"x3"x5/16"	STEEL	ABS RULES				
2	1				ANGLE 4"x3"x5/16"	STEEL	ABS RULES				
1A	2				PLATE 5/16"	STEEL	ABS RULES				
1	2				PLATE 5/16"	STEEL	ABS RULES				

REFERENCES

NO	TITLE	DRAWING NUMBER MVC	DRAWING NUMBER NAVSHIPS
1	TRANSVERSE FRAMING - FR. 2N FWD.	003	101-4442366
2	TRANSVERSE FRAMING - AFT. FR. 2N	003A	101-4442367
3	TANK TOP & STRINGERS	004	103-4442370
4	LONG'L. BULKHEADS	013	114-4442379
5	TRANSVERSE BULKHEADS	014	114-4442378
6	STERN TUBE & STUFFING BOX	019	203-4442368
7	SHELL EXPANSION	000	100-4442362

REVISIONS

ZONE	LTR	DESCRIPTION	DATE	APPD
		THIS DWG DEVELOPED FROM NAVSHIPS DWG NO 100-4382612 PREPARED BY ABS W.T.R. RULE REP. FR'D 2F 3-30-72 BY E.D. SWENSON		

GENERAL NOTES

1. WELDING TO BE IN ACCORDANCE WITH CURRENT ABS RULES.
2. MOLD LINES:
   TRANS BHDS 44 & 50 – AFT SIDE OF ℞. (SET BHDS FWD OF MOLD LINE)
   TRANS BHDS 47 BELOW 10'-8" FLAT – FWD SIDE OF ℞. (SET BHD AFT OF M.L.)
   FLOOR FR. 48 & 49 – AFT SIDE OF ℞. (SET FLOORS FWD. OF MOLD LINE)
   FLOOR FR. 51, 52, & 53 – FWD SIDE OF ℞ (SET FLOORS AFT MOLD LINE)
   SKEG DIAPHRAMS, EXCEPT FR 50 – FWD SIDE OF ℞ (SET DIAPHRAMS AFT OF MOLD LINE)
   SKEG DIAPHRAM AT FR. 50 – AFT SIDE OF PLATE (SET DIAPHRAM FWD OF MOLD LINE)
   W.T. FLAT, FR 44 TO FR 47 – UNDER SIDE OF ℞.
   TRANS. STIFFENERS UNDER FLAT-HEEL SIDE OF ANGLE

WEIGHT GROUP	WEIGHT LBS	VCG ABOVE BL	LCG AFT OF ⊗	TCG PORT FT	TCG STBD FT
19	2386	6.37	32.77	—	—
19	1334	4.00	40.25	—	—

CONTR NO. N00024-69-C-0101
MARINETTE MARINE CORP
MARINETTE, WISCONSIN

CONTRACTOR DWG NO 015

	BY	DATE
DR MAN	R.K.	5-24-72
CHECKED	D.R.	5-24-72
APPROVED	W.H.S.	11-8-72

DEPARTMENT OF THE NAVY
NAVAL SEA SYSTEMS COMMAND
WASHINGTON, D.C. 20360

109 FT HARBOR TUG - LARGE - YTB
YTB 390 CLASS - RB 51 RULES

STERN FRAME & SKEG

SIZE | CODE IDENT NO | NAVSHIPS DRAWING NO | REV
H | 80064 | 100-4442364

SCALE 1/2" = 1'-0" | SHEET 1 OF 1

SHT 17 OF 22

PLAN DISTRIBUTION				
REVISION				
ABAY	✓			
J.B.S.				
ELEC.				
FOREMAN				
INSP.				
PLATE	✓			
SHT. LTL.				
PREFAB				
ERECTN	✓			
MACH				
FOUNDTN	✓			
BAR				