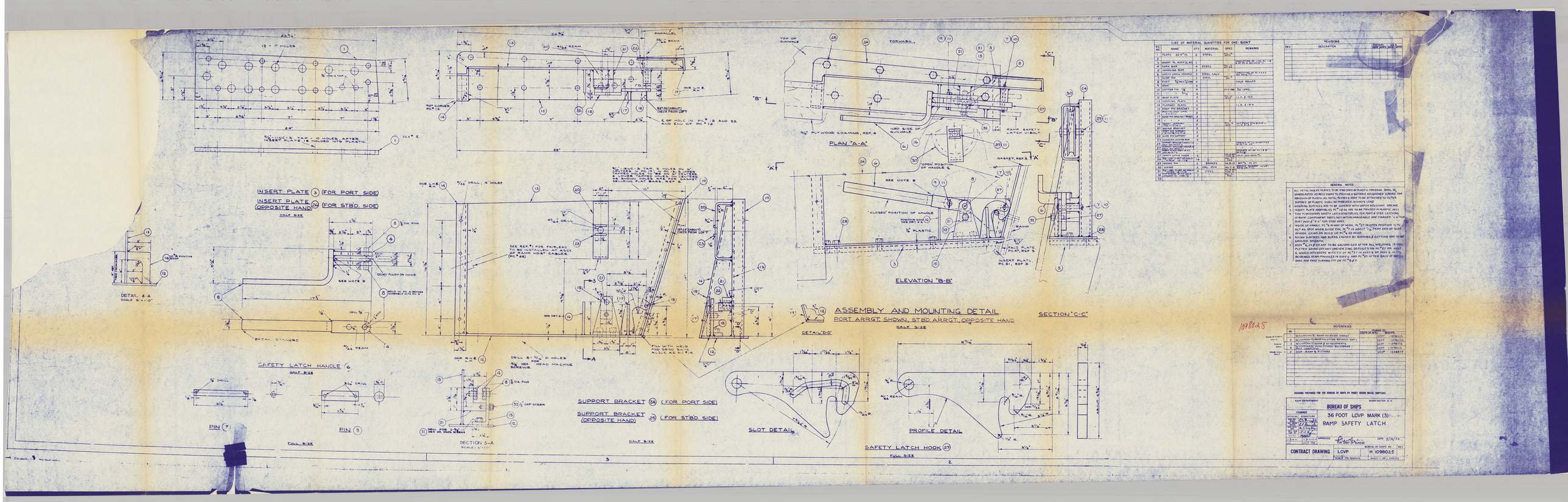

12 - 1" HOLES
5/8"-11NC-3 TAP
5/8"-11NC-3 TAP - 10 HOLES, AFTER INSERT PLATE IS MOLDED INTO PLASTIC.
20.4# PL
INSERT PLATE ③ (FOR PORT SIDE)
INSERT PLATE (OPPOSITE HAND) ㉖ (FOR STB'D. SIDE)
HALF SIZE
90° CORNER PC# 12
ONE L.H.& " R.H.
9/32" DRILL, 4 HOLES
49/64" DRILL
5/16"-18NC-3 TAP, 3 HOLES ON 6" CENTERS IN PC. 19; IN PC. 13, 3 UPPER TAPPED HOLES TO BE ON 6" CENTERS 2 LOWER TAPPED HOLES ON CENTERS AS SHOWN. HOLES ARE FOR GASKET SECURING FLAT BARS, REF. 3.
15°-23' (ABOUT) CHECK FROM LOFT
SEE REF. #1 FOR FAIRLEAD TO BE INSTALLED AT ASSY. OF RAMP HOIST CABLES. (PC.# 48)
SEE DET. 4-A
FILL WITH WELD AND GRIND SAME ANGLE AS PC #19.
DRILL 8 - 11/16" D. HOLES FOR 5/8 HEX HEAD MACHINE SCREWS.
ONE R.H & " L.H.
5/8 DIA. PINS
WELD IN PC. 4 BEFORE ASSEMBLY WITH PC 5
GRIND FLUSH ON INSIDE
SEE NOTE 5
DETAIL 4-A
SCALE 6" = 1'0"
SAFETY LATCH HANDLE ⑥
HALF SIZE
PIN ⑦
PIN ⑨
FULL SIZE
SECTION 3-A
SCALE 6" = 1'0"
SUPPORT BRACKET ㉔ (FOR PORT SIDE)
SUPPORT BRACKET (OPPOSITE HAND) ㉕ (FOR STB'D SIDE)
HALF SIZE
TOP OF GUNWALE
FORWARD
3/4" PLYWOOD COAMING, REF. 4
INBD SIDE OF GUNWALE
RAMP SAFETY LATCH U-BOLT
PLAN "A-A"
OPEN POSITION OF HANDLE ⑥
"CLOSED" POSITION OF HANDLE
SEE NOTE 5
GASKET, REF. 3
RAMP
FACE PLATE PL 47, REF 3
INSERT PLATE PC 51, REF 3
ELEVATION "B-B"
ASSEMBLY AND MOUNTING DETAIL.
PORT ARRG'T. SHOWN., STB'D. ARRG'T., OPPOSITE HAND
HALF SIZE
DETAIL "D-D"
SECTION "C-C"
SLOT DETAIL
PROFILE DETAIL
SAFETY LATCH HOOK ㉗
FULL SIZE

LIST OF MATERIAL QUANTITIES FOR ONE-BOAT

PC. NO.	NAME	QTY.	MATERIAL	SPEC.	REMARKS
1	PLATE 20.4# PL	2	STEEL	MIL-S-16113	
2					
3	INSERT PL ASSY (L.H.)	1			CONSISTING OF 1 OF PC 1 & 8 OF PC 2 SEE NOTE #3
4	FORK BAR	4	STEEL	MIL-S-20166	
5	HANDLING BAR	2	"	"	
6	SAFETY LATCH HANDLE	2	STEEL GALV	"	CONSISTING OF PC # 4 & 5 SEE NOTE #7
7	GUIDE PIN	2	STEEL	MIL-S-891	
8	PIVOT 5/8" DIA x 7/8" LONG	4			COLD ROLLED
9	HOOK	2			
10	COTTER PIN 1/8"	4		FF-P-386	3/4" LONG
11	" " 3/16"	6		"	" "
12	BASE PLATE	2		MIL-S-16113	1 L.H. & 1 R.H.
13	COAMING PLATE	2			
14	FLANGED PLATE	2			1 L.H. & 1 R.H.
15	PIVOT PIN BRACKET	2			
16	POSITIVE STOP 10# PL 3" x 4 1/2"	2			
17	GUIDE PIN BRACKET-BRACE	2			
18	" " "	2			
19	GASKET SUPPORT 1 5/8" x 1" x 1/4" L	2		MIL-S-16113	CUT FROM STD SCRAP L 1 L.H. & 1 R.H.
20	SHEAVE BRACKET	2			
21	PIVOT PIN SUPPORT 1 1/2" x 2 7/8" x 2 15/16"	2			
22	GUIDE PIN SUPPORT	2			
23	SHEAVE PIN LOCKING BAR	4			
24	SUPPORT BRACKET ASSY (L.H.) GALV SEE NOTE #7	1			CONSISTS OF 1/2 QUANTITIES OF PC # 12 - 23
25	SUPPORT BRACKET ASSY (R.H.) GALV SEE NOTE #7	1			" " "
26	INSERT PLATE ASSY (R.H.) SEE NOTE #3	1			CONSISTS OF 1 OF PC 1 & 8 OF PC 2
27	SAFETY LATCH HOOK	2		MIL-B-857 TYPE-B	GALV - SEE NOTE #7
28	5/8"-11NC-3 HEX HD MACH SCREW LG - 1 1/8"	16		MIL-S-933	
29	SHEAVE PIN	2	BRONZE	46-B-15	REF #2 - PC 27
30	SHEAVE	2	MAL IRON	46-I-8	BRONZE BUSHED - LCVP - 8518 (PC. # 11)
31	5/8"-11NC-3 HEX HD MACH SCREW LG - 1 1/2"	4	STEEL	MIL-B-857 TYPE-B	
32	CAP SCREW WITH LOCK-WASHER 1/2"-13NC-3	2	"	MIL-S-933	
33					

REVISIONS

REV.	DESCRIPTION	SHIPYARD DATE	SHIPYARD APPR.	U.S.N. DATE	U.S.N. APPR.

GENERAL NOTES

1. ALL METAL INSERT PLATES TO BE IMBEDDED IN PLASTIC MATERIAL SHALL BE SANDBLASTED AS NECESSARY TO PROVIDE A SUITABLE ROUGHENED SURFACE FOR ADHESION OF PLASTIC. ALL METAL PLATES & ASSY TO BE ATTACHED TO OUTER SURFACE OF PLASTIC SHALL BE IMBEDDED IN WHITE LEAD
2. WEARING SURFACES ARE TO BE COVERED WITH WATER RESISTANT GREASE
3. INSERT PLATE ASSEMBLIES PC# 3 & 26 ARE TO BE MOLDED IN PLASTIC HULL
4. THIS PLAN COVERS SAFETY LATCH ASSEMBLIES FOR PORT & STBD. LATCHING OF RAMP. COMPONENT PARTS NOT INTERCHANGEABLE ARE MARKED "L.H." FOR PORT ASSY & "R.H." FOR STBD ASSY.
5. INSIDE OF HANDLE, PC#6 IN WAY OF HOOK, PC#27 IN OPEN POSITION IS TO ACT AS STOP WHEN GUIDE PIN, PC#7 IS ABOUT 1/16" FROM END OF SLOT IN HOOK. GRIND OR BUILD UP PC#6 AS REQD
6. ROUGH SURFACES AND BURRS CAUSED BY BURNING & CUTTING ARE TO BE GROUND SMOOTH.
7. ASSY #6, 24 & 25 ARE TO BE GALVANIZED AFTER ALL WELDING IS COMPLETED. GRIND OFF ANY UNEVEN ZINC DEPOSITS ON PC#27 OR ASSY 6, WHICH INTERFERE WITH FIT OF PC#27 IN ASSY 6 OR ASSY 6 IN ITS BEARINGS. REAM PIN HOLES IN ASSY 6 AND PC#27 AFTER GALV IF NECESSARY FOR FREE TURNING FIT ON PC#8 & 9.

1098025

REFERENCES

	NO.		DRAWING NO CONTR OR MFR.	DRAWING NO BUSHIPS
WOOD & PLASTIC HULLS	1.	36' LCVP (MK 3) RAMP HOISTING ARRGT		LCVP -1098019
	2.	36' LCVP (MK 3) RAMP HOISTING DETAILS - SHT 1		LCVP -1098020
PLASTIC HULL	3.	36' LCVP (MK 3) RAMP & ATTACHMENTS		LCVP -1098016
	4.	36' LCVP (MK 3) WOOD FITINGS - BULKHEADS - DECK - COAMINGS		LCVP -1098012
WOOD HULL ONLY -	5	LCVP - RAMP & FITTINGS		LCVP - 1298877

DRAWING PREPARED FOR THE BUREAU OF SHIPS BY PUGET SOUND NAVAL SHIPYARD.

NAVY DEPARTMENT
WASHINGTON, D. C

BUREAU OF SHIPS

36 FOOT LCVP MARK (3) PLASTIC
RAMP SAFETY LATCH

EXAMINED OFFICIAL	SIGNATURE
HEAD HULL DESIGN	C.O. Dingle
HULL DESIGN OFFICER	L.P. Daniels
HEAD NAVAL ARCH.	M.D. Watson
SECT. HEAD CODE 452	R.A. Kyffe
REVIEWED	

CH R.W.W
TR. H. KEIZUR
DR
APP D. OASS

APPROVED
FOR CHIEF OF BUREAU
DATE 7/16/52

CONTRACT DRAWING

		BUREAU OF SHIPS NO.	REV
LCVP		H 1098025	
SCALE AS SHOWN		SHEET 1 OF 1 SHEETS	