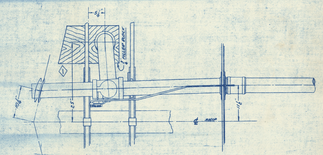
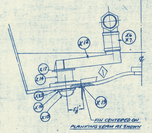
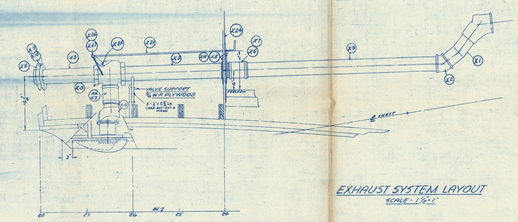


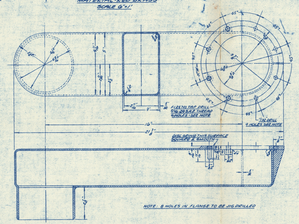


SECTION AT STATION 67
FRAME #69 P



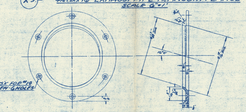
EXHAUST SYSTEM LAYOUT
SCALE - 1½"=1'

(X18) CAST DUCT FOR 4"IPS UNDERWATER EXHAUST
MATERIAL-RED BRASS
SCALE 6"=1'



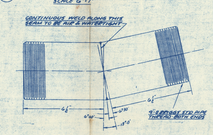
NOTE: 6 HOLES IN FLANGE TO BE DRILLED

(X9) 4¾"O.D. 16" EXHAUST PIPE TRANSOM FLANGE
SCALE 6"=1'

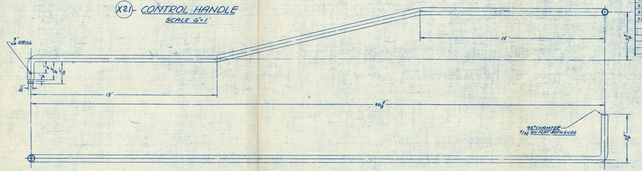


(X24) UNDERWATER EXHAUST INSTRUCTION PLATE
SCALE - FULL

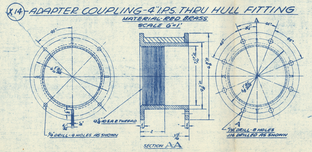
(X1) WELDED EXHAUST NIPPLE
SCALE 6"=1'



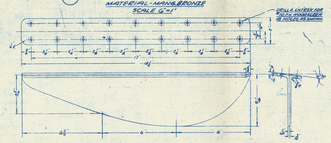
(X21) CONTROL HANDLE
SCALE 6"=1'



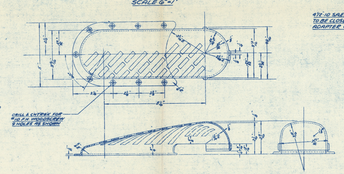
(X14) ADAPTER COUPLING-4"IPS THRU HULL FITTING
MATERIAL-RED BRASS
SCALE 6"=1'



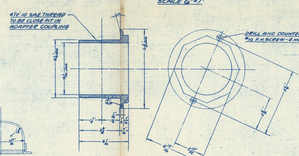
(X19) ANTI-CAVITATION FIN
MATERIAL-MANGANESE BRONZE
SCALE 6"=1'



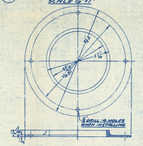
(X10) COVER FOR 4" UNDERWATER EXHAUST
MATERIAL-RED BRASS
SCALE 6"=1'



(X16) THRU HULL FITTING FOR 4" UNDERWATER EXHAUST
MATERIAL-RED BRASS
SCALE 6"=1'



(X4) 4¾" I.D. BULKHEAD FLANGE
SCALE 6"=1'



LIST OF MATERIAL

MARK	QUAN.	SIZE	FITTING	TYPE	MATERIAL	SPECS	REMARKS
X1	1	4" I.P.S.	SUPPLY	WELDING	CL. IRON	COM'L	
X2	1	4" I.P.S.	ELL	45°	WELDING	"	
X3	0'-2"	4" I.P.S.	PIPE		WELDING	"	
X4	1	4" I.P.S.	BOLT FLANGE		MFL. CABLE	"	
X5	6	¼"X1-3/4" LG	MACH. SCREW	R.H.	STL. CABLE	"	
X6	2	4 HOSE CLAMPS	FLEX. HOSE	S-PLY	RUBBER	2-20-241	FOR INTERIOR & EXTERIOR
X7	4	5" I.P.S.	HOSE CLAMP		MS OUTLET	STL. GALV. COM'L	FOR X6
X8	1	4" I.P.S.	COMBINATION VALVE			CAST STEEL	FOR X6
X9	1	4" I.P.S.	TRANSOM FLANGE			MFL. CABLE	"
X10	6	3/8"X1-1/4" LG	WOOD SCREW	F.H.		STL. GALV.	FOR X12
X11	1	NPT 3/4"X"OG	TRANSOM WASHER		UNTHR	BRASS	"
X12	1	UNDER WATER	EXHAUST SHOT CASTG.			RED BRASS	
X13	4	3/4"X1-1/8 LG.	CAP SCR. NUT & WASH.	S.A.E.	DALY IRON		FOR X12
X14	1	4"I.P.S.	ADAPTER COUPLING		RED BRASS		
X15	6	¼"X1" LG.	GASKET & LOCK WASH.	S.A.E.	DALY IRON		FOR X12
X16	1	4" I.P.S.	THRU HULL FITTING		RED BRASS		
X17	2	NPT 1/2"OG	GASKET		UNTHR	FIBER	36-G-2000
X18	1	4" I.P.S.	EXHAUST COVER			BRASS	"
X19	1		DEFLECT'R FIN			"	"
X20	9	3/4"DIAM'R LG.	MACH. SCR. WITH NUT	F.H.		"	FOR X16
X21	1	18"LG.4 HOLES	EXTENSION ROD			STEEL-R.R.	FOR X8
X22	1	2 1/2 FT.	ASBESTOS			SHEET	
X23	28	NO.12 F.H.	WOOD SCREW			STL. GALV.	FOR X16,X18
X24	1		LABEL PLATE			PLASTIC	" X24 & X25
X25	4	5/16"-18 NC	SET SCREW - CH.HEAD			STL. GALV.	FOR X8
X26	1	NAVY NAME	WIRE - 8" LONG			COPPER	"
X27	1	3/8"X1" LG.	ROTOR PIN			STL. GALV.	"
X28	4	NO.6 (FEA)	WOOD SCREW	R.H.		"	FOR X24

ALTERATIONS

SHEET	DESCRIPTION	APPROVED
1	12-27 UNDERWATER EXHAUST DOUBLER BLOCK ALTERED	JP

GENERAL NOTES:

THIS DRAWING APPLIES TO BOTH CLASSES - LCP(R) AND LCP (L).

REFERENCE DRAWINGS:

	BUREAU NO.
ARR. BILGE PUMP & S.W. COOL'G SYSTEM	LCP(R) 6961
FUEL TANK DETAILS	LCP(R) 6939
FUEL PIPING SYSTEM	LCP(R) 6940
ENGINE BED MOUNTING	LCP(R) 6953
SKEG & UNDERWATER FITTINGS	LCP(R) 6955

8963

FINISHES	
P - NONSKID PAINT, Bitumastic	
A - ALUMINUM PAINT, Bitumastic	
C - COPPER PAINT, Bitumastic	
PT - PRIMER COAT	

EXAMINED BY: [illegible] PRINCIPAL DRAFTSMEN
IN CHARGE: [illegible] DATE: 7-6-44

36' LANDING CRAFT
PERSONNEL-LCP(R) & LCP(L)
EXHAUST PIPING SYSTEM & DETAILS

SCALE - AS SHOWN

NAVY DEPARTMENT
BUREAU OF SHIPS
WASHINGTON, D.C. SEPTEMBER 6, 1944

[illegible]
CHIEF OF BUREAU

BUREAU OF SHIPS NUMBER
LCP(R) - 8963 ALT. 1

CROSS FILE FOR
LCP (R) AND LCP (L)