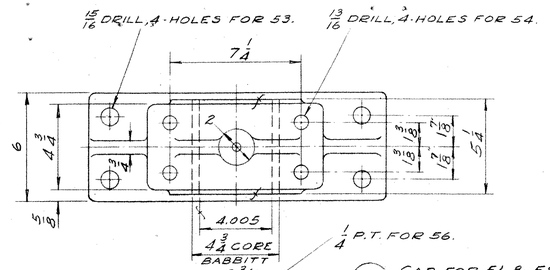
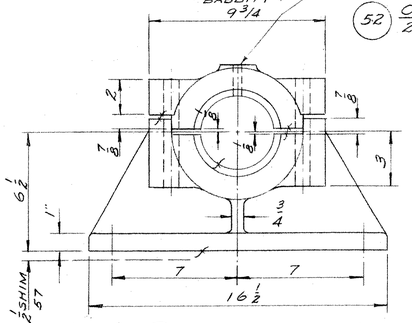
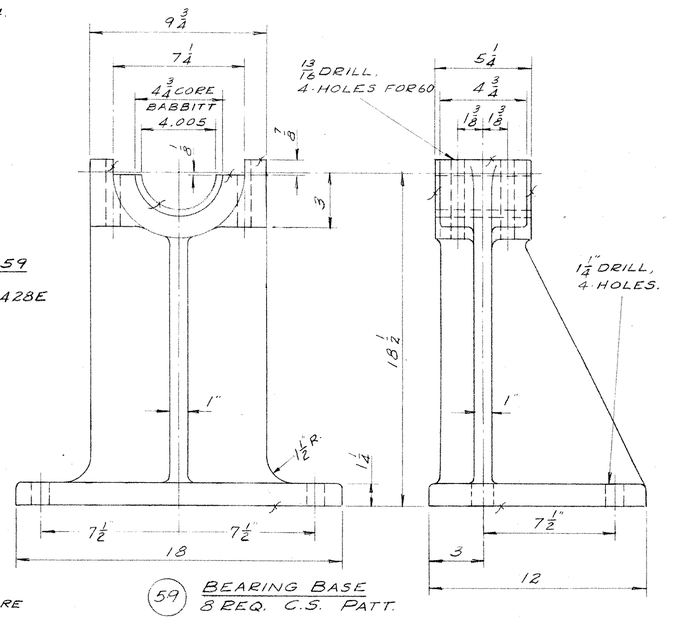


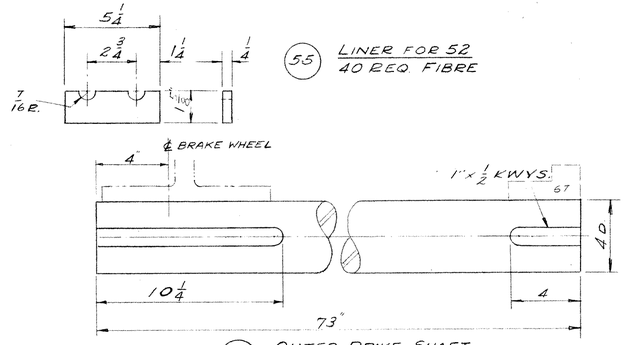
(52) CAP FOR 51 & 59
20 REQ. C.S.
PATT. 4428E



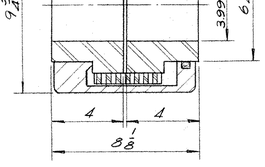
(51) DRIVE SHAFT BEARING
12 REQ. C.S. PATT 3696 ALT. CORE



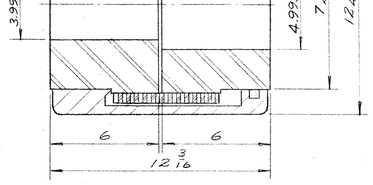
(59) BEARING BASE
8 REQ. C.S. PATT.



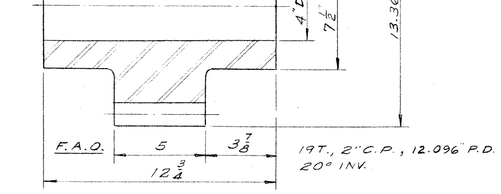
S.O. D-610	BILL OF MATERIAL				DWG. 5624 E-30
PC.	NAME	Q.	MAT.	PATT.	REMARKS
51	DRIVE SHAFT BRG.	12	C.S	3696	ALT. CORE
52	CAP FOR 51 & 59	20	C.S.	4428E	" "
53	BASE BOLT FOR 51	48	S.		T.B. LIST
54	BOLT FOR 51 & 52	48	S.		T.B. LIST
55	LINER FOR 52	40	FIBRE		
56	LUB. FTG. FOR 52	20			ALEMITE A-1186
57	SHIM FOR 51	12	S.		6 x 16 1/2 1/4, 1/8, 1/8, 1/16, 1/32
58					
59	BEARING BASE	8	C.S.		
60	BOLT FOR 52 & 59	32	S.		T.B. LIST
61					
62	OUTER DRIVE SHAFT	4	T.P.S.		
63	KEY FOR 62	4	S.		KEY LIST
64					
65	INNER DRIVE SHAFT	4	T.P.S.		
66					
67	COUPLING FOR 62	4			MORSE SA 1-24
68	KEY FOR 67	8	S.		KEY LIST
69					
70	COUPLING FOR 65	4			MORSE SA 1 1/2-20
71	KEY FOR 70	4	S.		KEY LIST
72	KEY FOR 70	4	S.		KEY LIST
73					
74	DRIVE PINION G-3	4	F.S.		
75	SET SCR. FOR 74	4			7/8 x 1 1/4 HOL. CUP PT.
76	KEY FOR 74	4	S.		KEY LIST
77					
78	SPEED REDUCER	2			EARLE 8TD
79					
80	SPROCKET FOR 78	2	C.S.		MORSE SILENT, TYPE C
81	SET SCR. FOR 80	2			1/2 x 3/4 HOL. CUP PT.
82	KEY FOR 80	2	S.		KEY LIST
83					
84	MOTOR SPROCKET	2	C.S.		MORSE SILENT, TYPE C
85	SET SCR. FOR 84	2			1/2 x 3/4 HOL. CUP PT.
86	KEY FOR 84	2	S.		KEY LIST
87	CHAIN FOR 80 & 84	2			MORSE CENTER GUIDE 3/4" PITCH, 4" FACE 94 PITCHES, 70 1/2" LONG.
88	CHAIN CASE	2	S.		MORSE TYPE #3 "ALL-WEATHER"
89	SUPPORT FOR 88	4	S.		
90	SHIM FOR 88, 89	4	S.		2 1/2 x 7 - 1/8, 1/8, 1/16, 1/32
91	BOLT FOR 88, 89	8	S.		1/2 x 1 3/4 U.H., H.H. MACH., I.N., I.L.W.
92					
93	COLLAR FOR 62	8	S.		
94	SET SCREW FOR 93	16	S.		7/8 x 1 1/2 HOL. CUP PT.



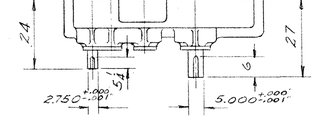
(67) COUPLING FOR 62
4 REQ. MORSE SA 1-24

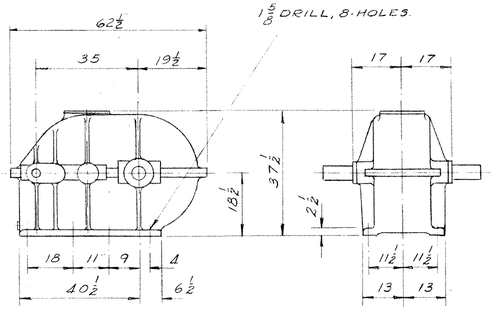


(70) COUPLING FOR 65
4 REQ. MORSE SA 1 1/2 · 20

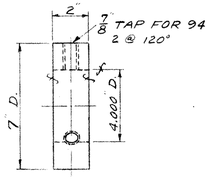


(74) DRIVE PINION G-3
4 REQ. F.S.

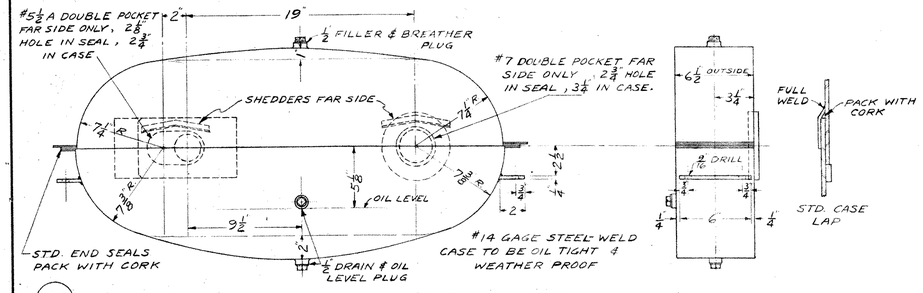




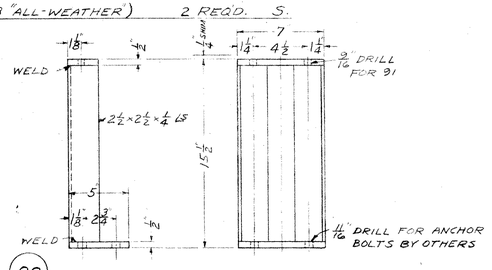
(78) SPEED REDUCER
2 REQ. EARLE 8TD 140:1
S.O. D-611



(93) COLLAR FOR 62
8 REQD. S.



(88) CHAIN CASE (MORSE CHAIN CO. TYPE #3 "ALL-WEATHER") 2 REQD. S.



(80) SPROCKET FOR 78
2 REQ. SEMI-STEEL MORSE SILENT, TYPE C
"A" = 2.748 +.000 -.001, "B" = 5/8 x 5/16

(84) MOTOR SPROCKET
2 REQ. SEMI-STEEL MORSE SILENT, TYPE C
"A" = 2.123 +.000 -.001 "B" = 1/2 x 1/4

(89) SUPPORT FOR 88 4 REQD. S.

SPECIFICATIONS

INSPECTION

GENERAL NOTES

ALL STEEL CASTINGS & FORGINGS TO BE ANNEALED
SPOT FACE FOR ALL BOLT HEADS & NUTS
SCRIBE PITCH LINES ON BOTH SIDES OF ALL GEARS
SHOP PAINT—ONE COAT—
FINISHED SURFACES COATED—
CUT OIL GROOVES IN ALL BEARINGS UNLESS NOTED
ALL SHIMS TO BE DRILLED

DATE	REVISIONS

S. O. D-610 CONTRACT

OPERATING MACHINERY FOR
NORTH HERO BASCULE BRIDGE
GRAND ISLE, VERMONT

THE EARLE GEAR AND MACHINE COMPANY
4707 TO 4715 STENTON AVENUE
PHILADELPHIA 44, PA.

DRAWN BY E. M. L. APPROVED BY
CHECKED BY R. W. D. REV. APPVD.
DATE 7/10/51 REV. APPVD.
SHEET OF DWG. Nº 5624 E-30