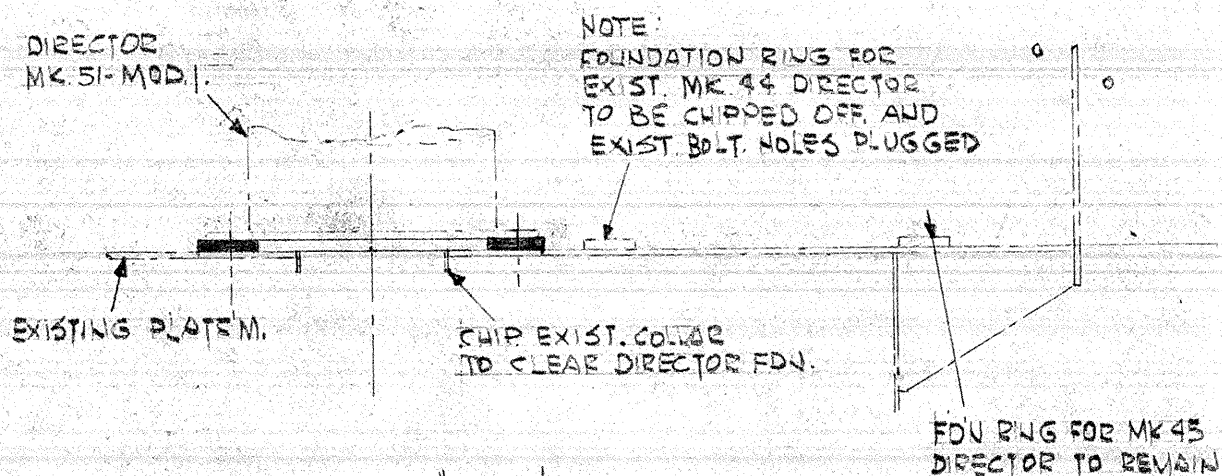
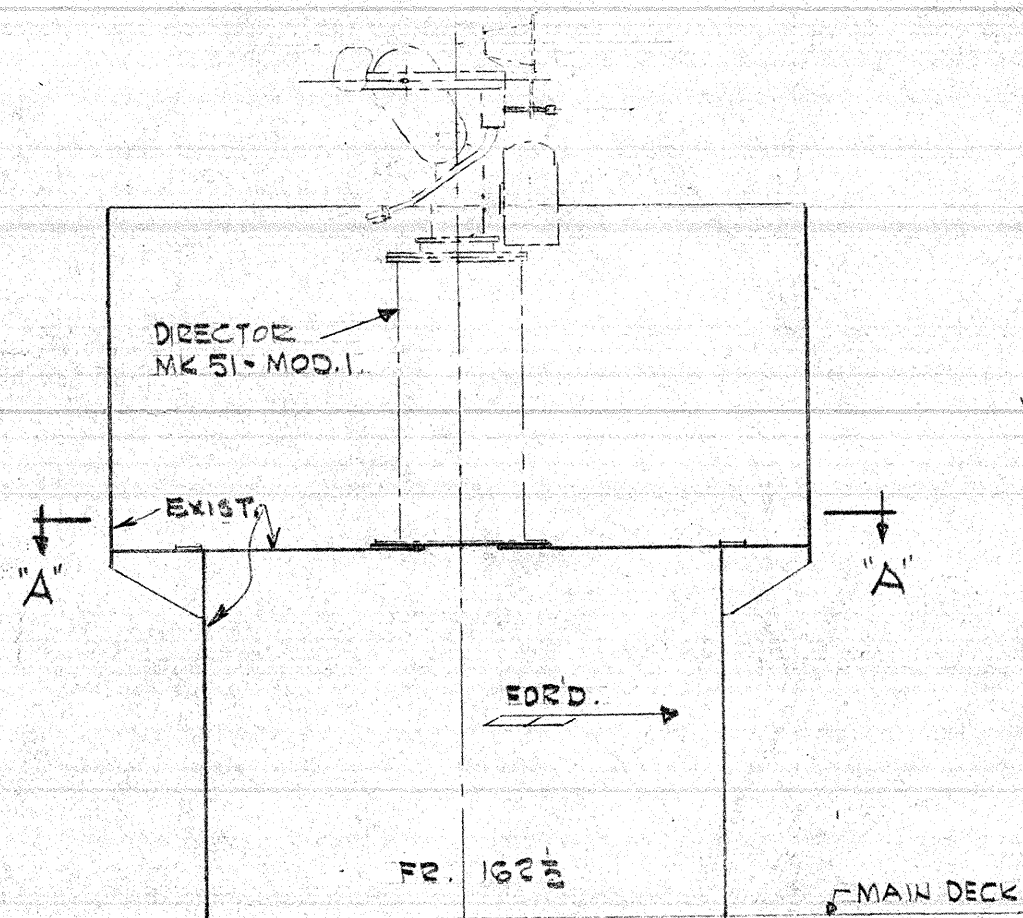


№ 54194

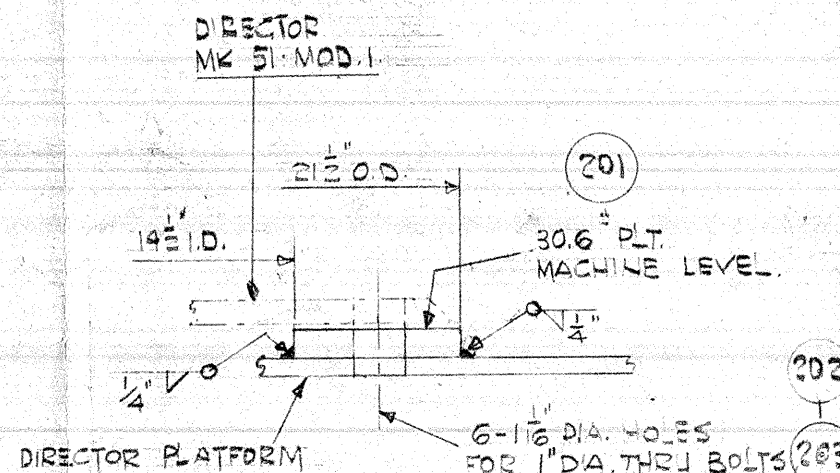
BILL OF MATERIALS - QUANTITIES FOR ONE SHIP					
NO.	NAME		AMT.	MAT.	REMARKS
201	DBLE PLT.	30.6"	2	M.S.	22"x22"
202	1" DIA. BOLT - 3" LG.		12	C.B.	
203	1" DIA. NUT, LOCK WASHER		12	C.C.	
204	GROMMET - CANVAS		12		



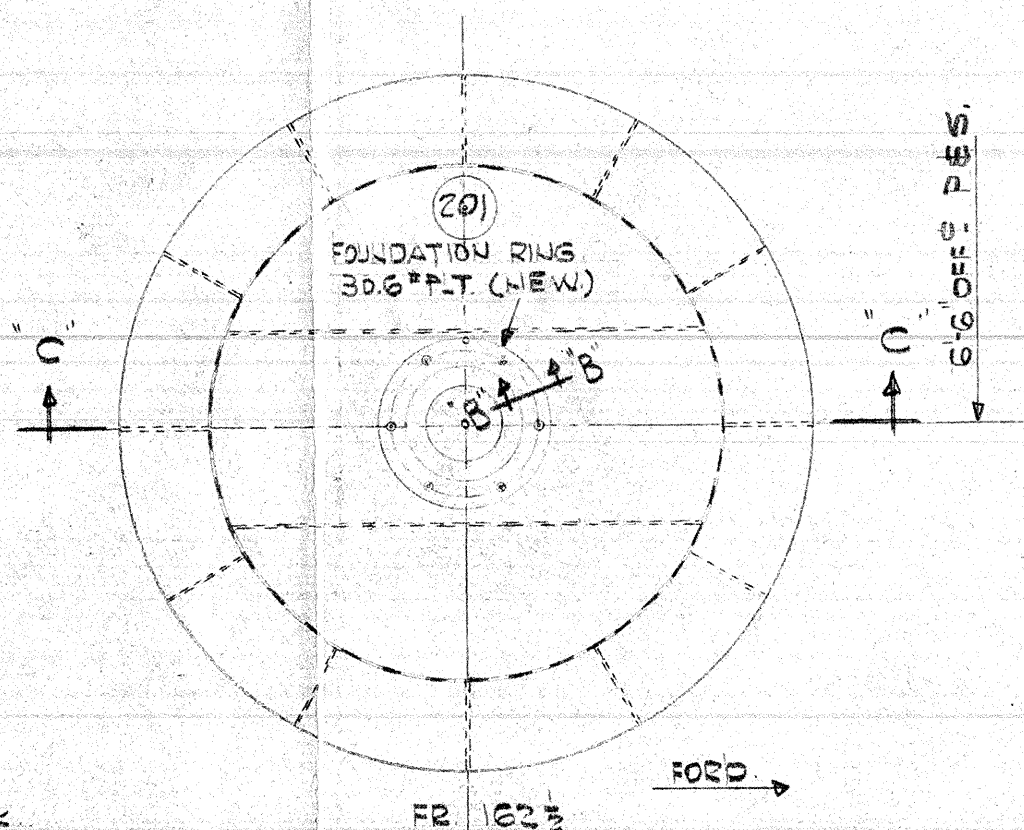
SECT. "C-C"
1" = 1'-0"



STBD ELEV.
LOOKING INBOARD
1/2" = 1'-0"
ELEV. PORT SIDE - SIMILAR



SECT. "B-B"
3" = 1'-0"



PLAN AT "A-A"
1/2" = 1'-0"

ORD SHIP		PRINTE		SHOPS.	
A.T.	ON SUPT. SHIP PL.				
- 1/4"	3	1	1	11 38 M.L.	
				3 3	

BB 59	MASSACHUSETTS
SHIP NO.	NAME

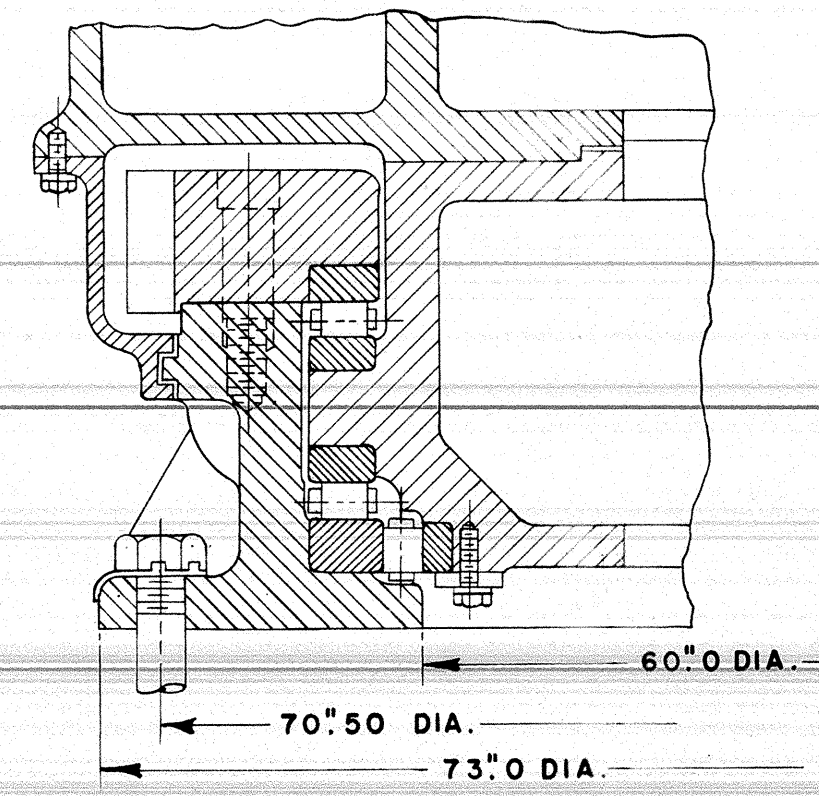
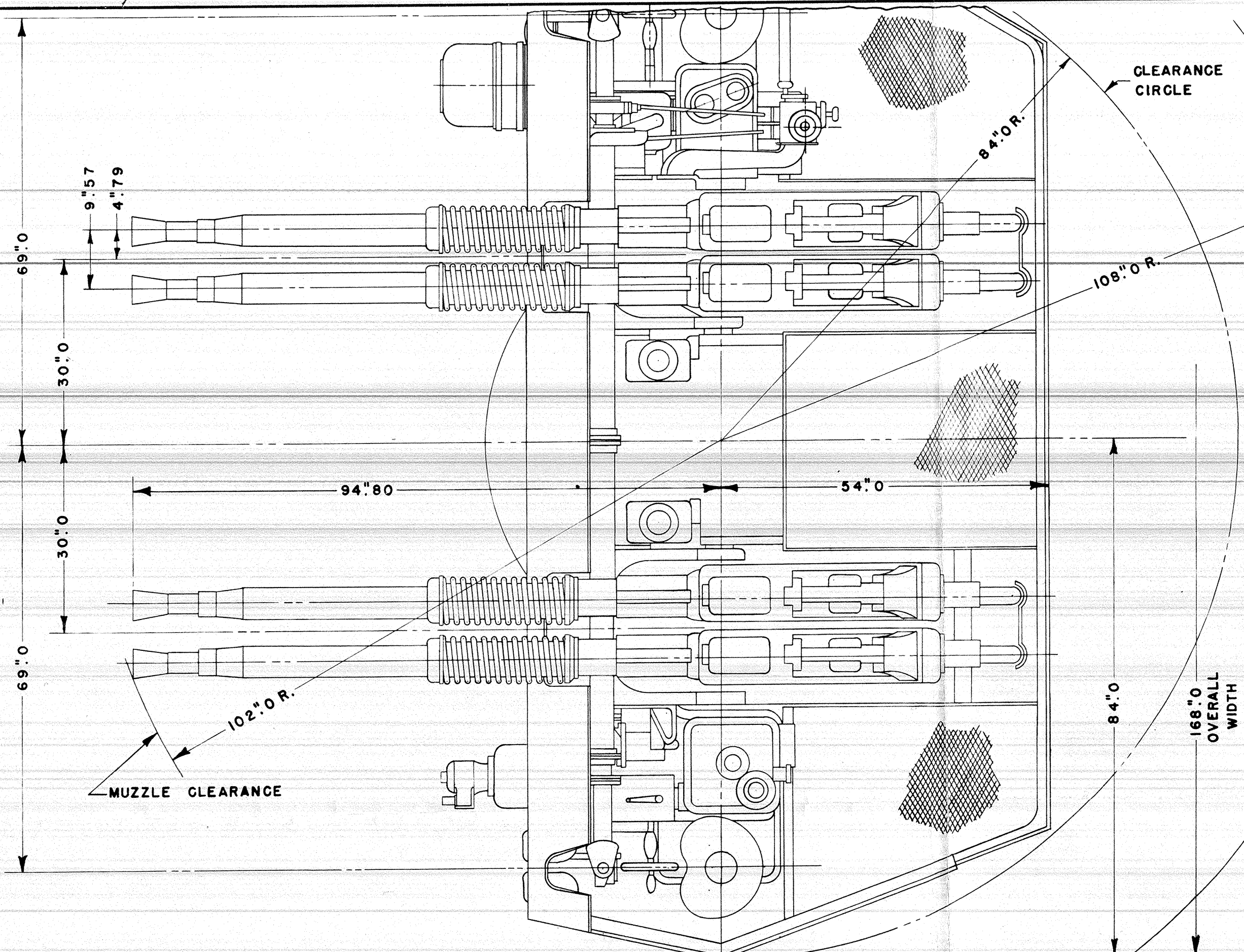
FDN. FOR GUN DIRECTOR
MARK 51-MOD.1.
MAIN DK- FR. 162 1/2 - P.E.S.
NAVY YARD BOSTON
SCALE: AS NOTED

DRAWN BY: W.E.B. SUPV'R. R. Inglish
CHKD BY: SR. NAV. ADJ. L. Egan

APPROVED: 1 JUNE 1942.

W.E.B.
DESIGN SUPT.

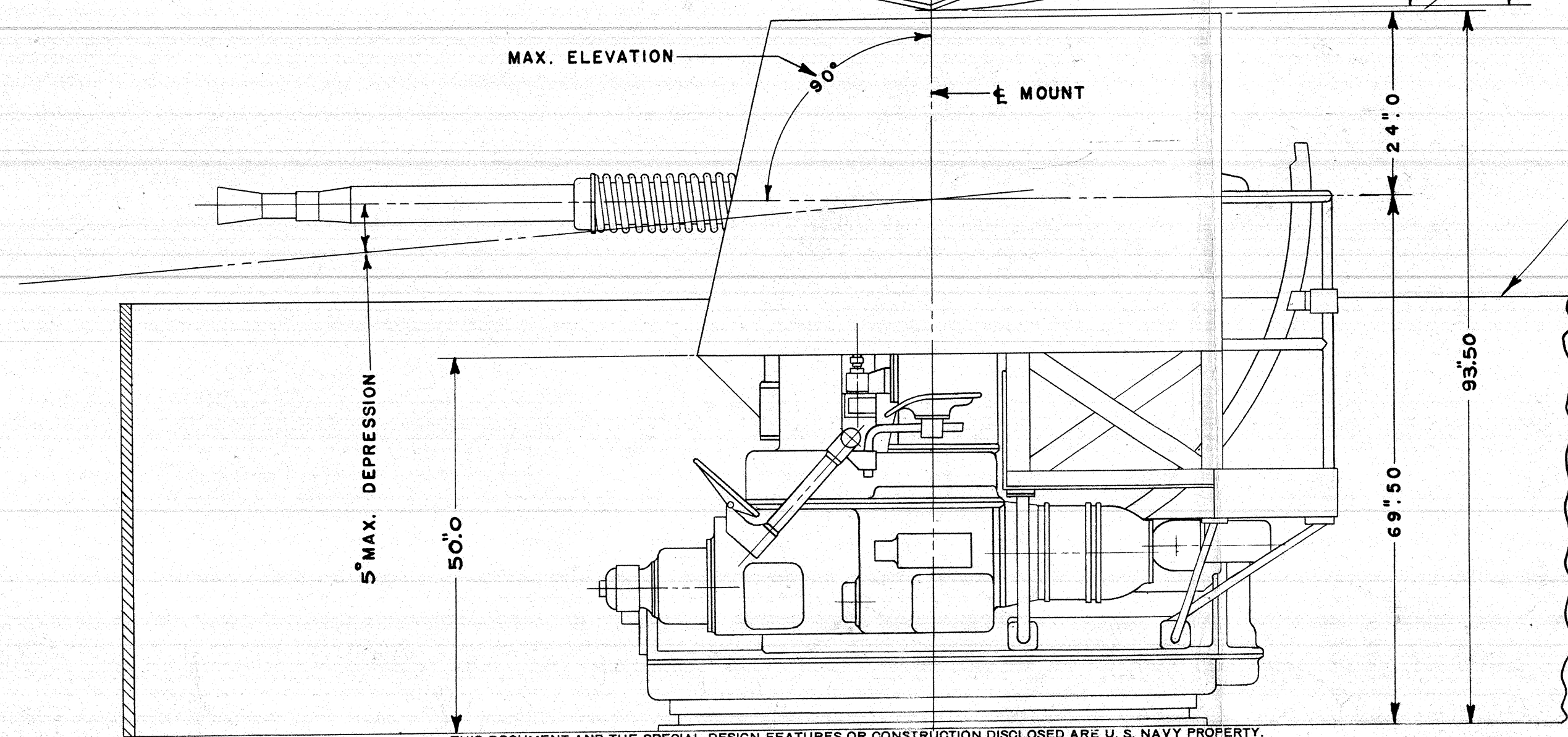
№ 54194



DRILL AND REAM FOR 18-1" D. BOLTS EQUALLY SPACED.
DRILLING JIG FURNISHED BY THE GOVERNMENT.
BOLTS FURNISHED BY PARTIES INSTALLING WORK.

BRAKE LOAD - 4,850 LBS. PER GUN
ESTIMATED WEIGHT - 21,650 LBS.
SHIELD PLATE THICKNESS - $\frac{3}{8}$ " (15.3 LB./SQ.FT.)

Sk. No. 99008



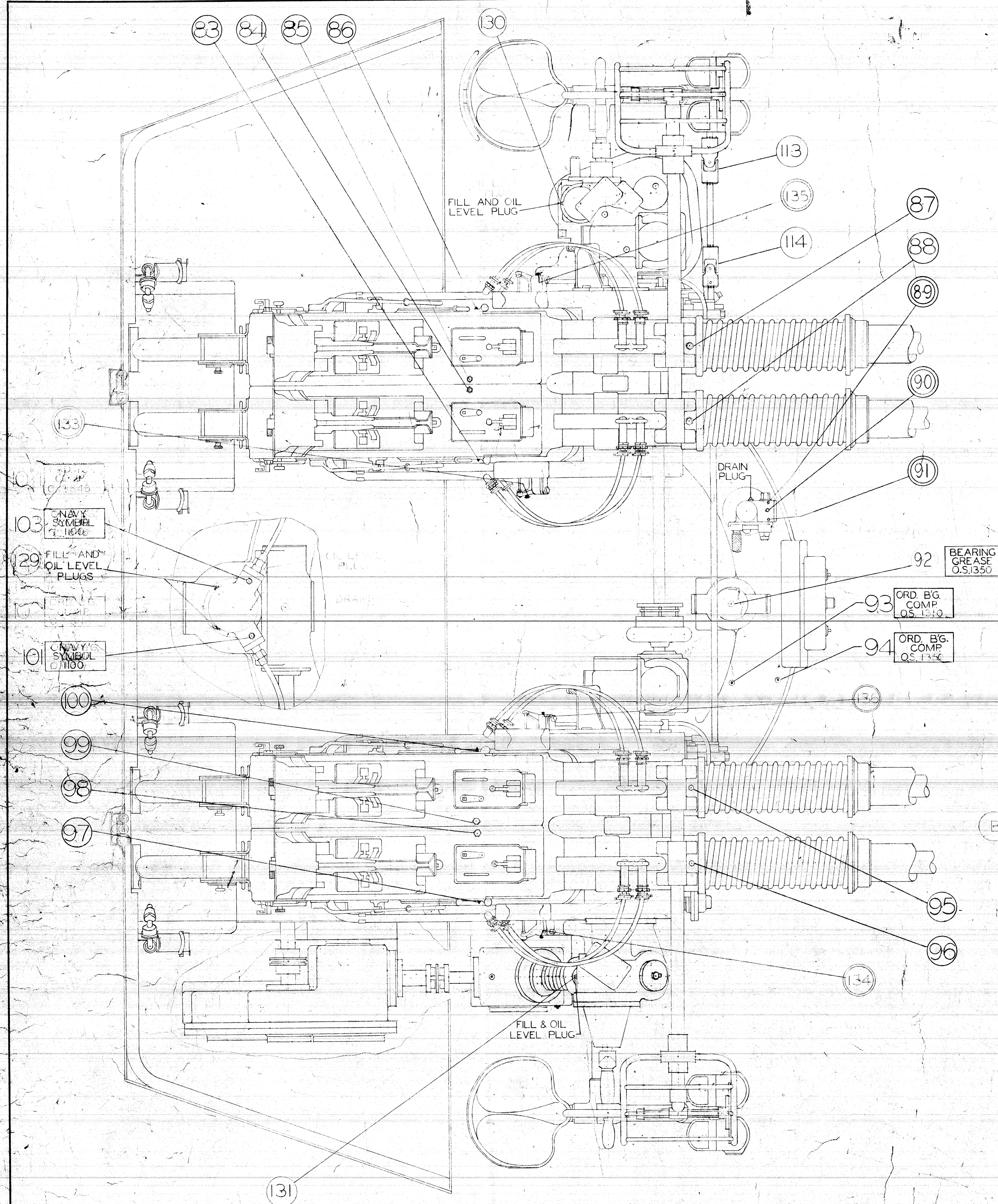
CIRCULAR BULWARK NOT TO BE SUPPLIED BY THE BUREAU OF ORDNANCE.

REVISIONS			40mm MOUNT MARK 2 MOD. 5 (QUADRUPLE MOUNT)	
LET.	NUMBER	DATE		
EXAMINED		DATE		
A/C		3/10/42		
OFFICER IN CHARGE				
J.A.P. G.M.		3/1/42		
OFFICER OF SECTION				
H.L.B.		3/6/42		
HEAD ENGINEER				
P.W.B.		3-5-42		
PRINCIPAL ENGINEER				
CHECKED		DATE		
G.E.S. J.H.S.		3-2-42		
SILVERMAN		1-24-42		
DRAWN BY		TRACED BY	BUREAU'S FILE	ORD. SKETCH NO.
			JOB ORDER	99008
		1857	ASSEMBLIES	

WORKING CIRCLE
SCALE - $\frac{1}{16}$ @ $\frac{1}{4}$

NAVY DEPARTMENT
BUREAU OF ORDNANCE
WASHINGTON, D. C.
March 11, 1942

WARNING:- THE DISCLOSURE OF NATIONAL DEFENSE SECRETS, IS A PENAL OFFENSE PUNISHABLE BY A FINE, IMPRISONMENT OR BOTH.



PLAN VIEW

NOTE:-
FOR FREQUENCY SCHEDULE SEE
DR. NO. 299396

NOTE:-
THE FREQUENCY OF LUBRICATION IS DEPENDENT UPON THE USE OF
THE MECHANISM. THE SCHEDULE GIVEN IS REQUIRED WHEN THE OUTFIT IS USED
DAILY. LUBRICATION MAY BE LESS FREQUENT FOR LESS FREQUENT USE OF THE
OUTFIT BUT IN NO CASE SHALL THE MAXIMUM PERIOD BETWEEN REGULAR
INSPECTIONS OF PARTS FOR PROPER LUBRICATION ON SHIPS IN COMMISSION
EXCEED ONE MONTH. EXERCISE THE PARTS AFTER LUBRICATING.

NOTE:-
THE LUBRICATION PROVIDED IS FOR USE IN SUMMER TEMPERATURES OF A
MINIMUM OF 50°F. FOR LOWER TEMPERATURES IT IS RECOMMENDED THAT
ORDNANCE BEARING COMPOUND (O.S. 1350) BE THINNED WITH ICE MACHINE
OIL (NAVY SYMBOL 2075) TO A SATISFACTORY CONSISTENCY. MEDIUM MINERAL
OIL SHOULD BE REPLACED BY LIGHT MINERAL OIL. NAVY SYMBOL 1100 MUST BE
MIXED WITH HYD. GEAR LUB. OIL (O.S. 1113).
NOTE:-
ALL POINTS PREPARED FOR A PRESSURE GUN WILL BE LUBRICATED WITH
THE DESIGNATED LUBRICANT.

CARE MUST BE TAKEN TO INSURE THAT THE PRESSURE GUN CONTAINS
THE CORRECT LUBRICANT.
IN ADDITION TO THE FOREGOING, ALL WORKING PARTS, e.g. JOINTS OF LEVERS,
CATCHES, ETC., (WHERE LUBRICATION HOLES ARE NOT PROVIDED), SHOULD
BE OCCASIONALLY OILED.

NOTE:-
FOR LUBRICATION OF MACHINE GUN MECHANISM SEE
DRAWING NO. 345605

NOTE:-
FOR LUBRICATION OF POWER DRIVES SEE DR. NO'S. 345914 AND 346504.
INSTRUCTIONS FOR LUB. LI.

NOTE:-
FOR FRONT ELEVATION AND REAR ELEVATION
SEE DR. NO. 299395. FOR RIGHT SIDE ELEVATION AND LEFT
SIDE ELEVATION SEE DR. NO. 299396.

NOTE:-
FOR LUBRICATION INSTRUCTIONS SEE DR. NO. 345605.

299397

1927

YORK SAFE & LOCK REVISIONS		
LOC.	NUMBER	DATE
A	6360	10-16-42
REVISIONS		
SEE	ORDNANCE	REVISIONS
ABOVE REVISION LETTERS ARE NOT TO BECOME A PART OF THE PIECE NUM- BER. A BLANK SPACE SHOULD BE ALLOWED ON THE PIECE TO BE MARKED FOR FUTURE REVISION LETTERS.		

- INDICATES LIGHT MINERAL OIL FOR LUBRICATION
(NAVY SYMBOL 2075 OR 2101)
- INDICATES MEDIUM MINERAL OIL FOR LUBRICATION
(NAVY SYMBOL 3050 OR 2135)
- ⊙ INDICATES HEAVY MINERAL OIL FOR LUBRICATION
(NAVY SYMBOL 2190)
- △ INDICATES EXTRA HEAVY MINERAL OIL FOR
LUBRICATION (NAVY SYMBOL 3100)
- ◡ INDICATES ENCLOSED TRANSMISSION LUBRICANT
(NAVY SYMBOL 5190)
- INDICATES CUP GREASE FOR LUBRICATION
(NAVY SPECIFICATION 14 G-1)
- ▢ INDICATES SPECIAL ORDNANCE LUBRICANT
OR COMPOUND.

PIECE NO.	NOMENCLATURE	NO. REQ'D	MATERIAL AND SPECIFICATION NO.	WEIGHT PER PC.
"NO. REQ'D." ARE FOR				
40MM MOUNT MARK 2 (QUADRUPLE MOUNT)				
LUBRICATION CHART				
SCALE: 1/8				
YORK SAFE & LOCK CO. SPECIAL ORDNANCE PLANT YORK, PA.				
YORK SAFE & LOCK CO. NO. 1927				
CONTRACT CLASSIFICATION ORDNANCE DR. NO. 299397				

299395

1925

LOC.	NUMBER	DATE
A1	4741	6-14-42
B	5601	10-16-42
C	6708	11-26-42

ABOVE REVISION LETTERS ARE NOT TO BECOME A PART OF THE PIECE NUMBER. A BLANK SPACE SHOULD BE ALLOWED (ON THE PIECE TO BE MARKED) FOR FUTURE REVISION LETTERS.

NOTE
IN ALL MOUNTS MADE PREVIOUS TO MOUNT SERIAL NUMBER 10025 TARGET NO. 15 IS TO BE GREASED DAILY AND THE EXCESS LUBRICANT IS TO BE DRAINED DAILY AT DRAIN PLUG "A".

NOTE:
FOR LUBRICATION INSTRUCTIONS SEE DR. NO. 345605

NOTE:
FOR GENERAL NOTES SEE DR. NO. 299397

NOTE:
FOR RIGHT SIDE ELEVATION AND LEFT SIDE ELEVATION SEE DR. NO. 299396.
FOR PLAN VIEW SEE DR. NO. 299397.

NOTE:
FOR FREQUENCY SCHEDULE SEE DR. NO. 299396.

- INDICATES LIGHT MINERAL OIL FOR LUBRICATION (NAVY SYMBOL 2075 OR 2410)
- INDICATES MEDIUM MINERAL OIL FOR LUBRICATION (NAVY SYMBOL 3050 OR 2135)
- ⊙ INDICATES HEAVY MINERAL OIL FOR LUBRICATION (NAVY SYMBOL 2190)
- △ INDICATES EXTRA HEAVY MINERAL OIL FOR LUBRICATION (NAVY SYMBOL 3100)
- ⊠ INDICATES ENCLOSED TRANSMISSION LUBRICANT (NAVY SYMBOL 5190)
- INDICATES CUP GREASE FOR LUBRICATION (NAVY SPECIFICATION 14 G. 1)
- ▢ INDICATES SPECIAL ORDNANCE LUBRICANT OR COMPOUND.

PIECE NO.	NOMENCLATURE	NO. REQ'D.	MATERIAL AND SPECIFICATION NO.	WEIGHT PER PC.
"NO. REQ'D." ARE FOR				
REVISIONS LOC. NUMBER DATE 40 MM MOUNT MARK 2 (QUADRUPE MOUNT) LUBRICATION CHART SCALE: 1/8 YORK SAFE & LOCK CO. SPECIAL ORDNANCE PLANT YORK, PA. YORK SAFE & LOCK CO. NO. 1925 ORDNANCE DR. NO. 299395				
DRAWN BY RESSEB CHECKED BY RESSEB APPROVED BY 8-7-42 ENGINEER				
DATE 3-18-42 3-26-42 7/6/42				
CONTRACT CLASSIFICATION				

