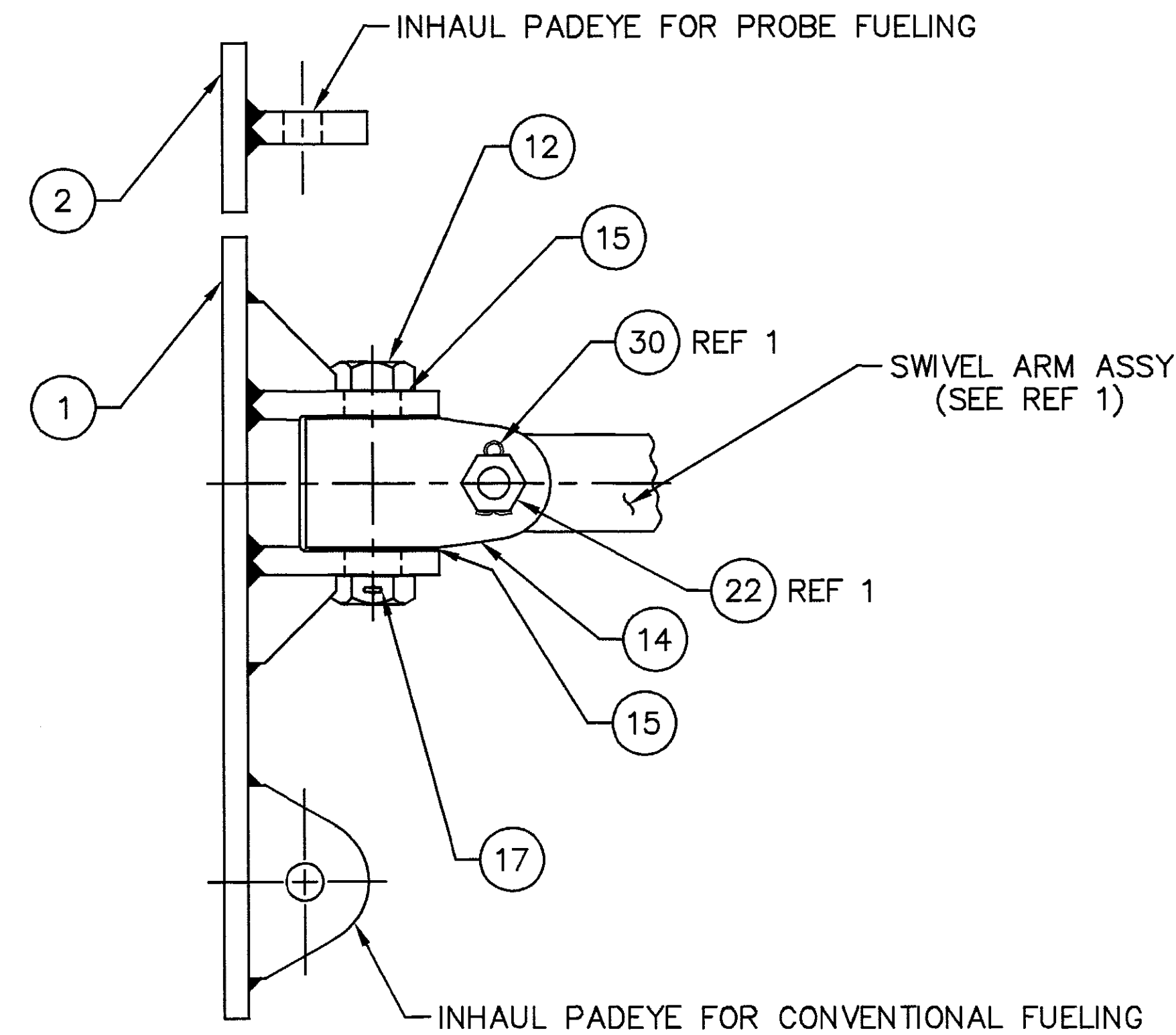
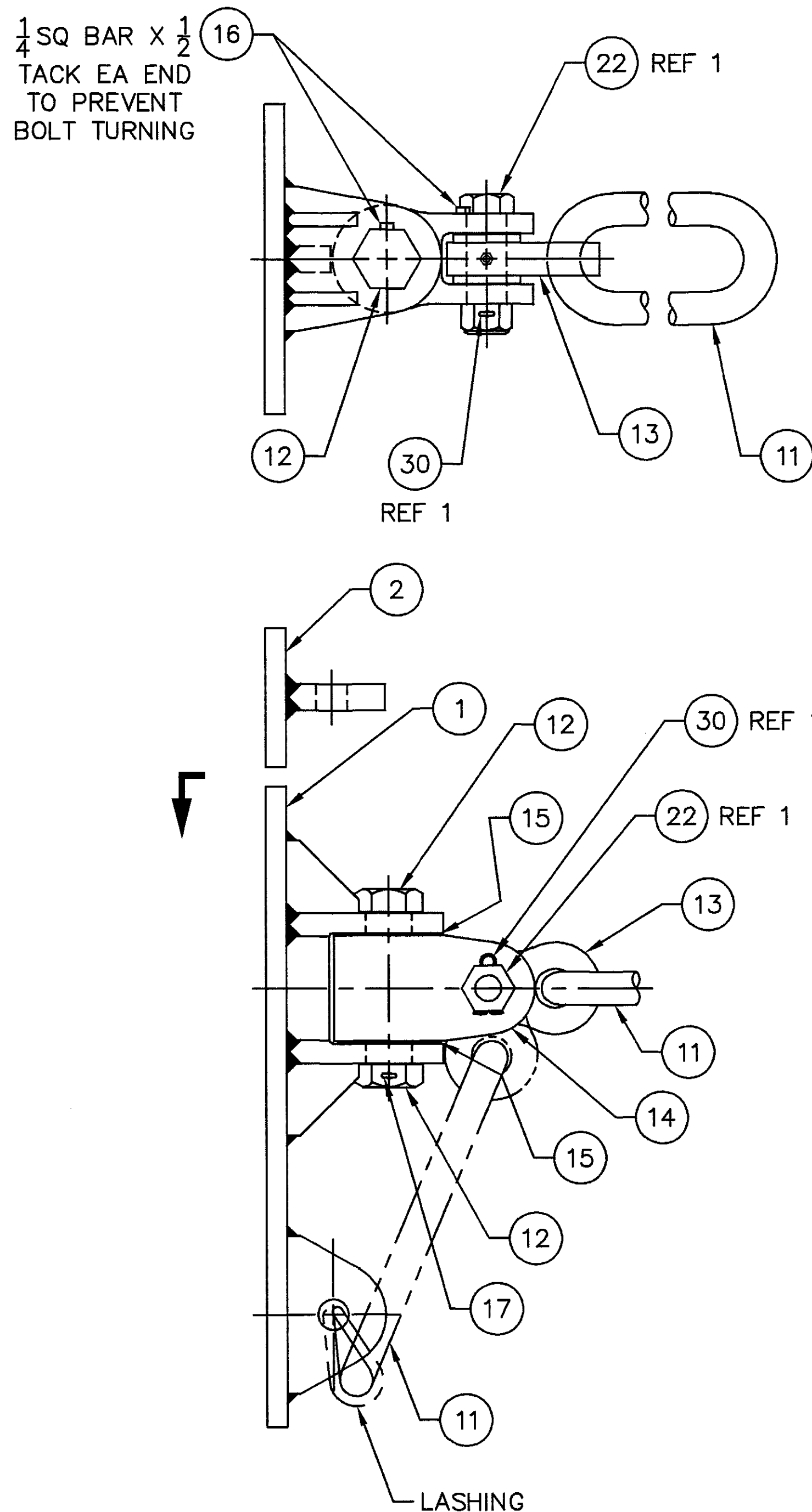


NOTES:

1. LIST OF MATERIAL AND PIECE NUMBERS CONTINUED ON REFERENCE DRAWING 1.
2. BREAK ALL SHARP EDGES AND CORNERS.
3. ALL WELDING TO BE IN ACCORDANCE WITH MIL-STD-278.
- ④ 4. WHEN BASE PLATE ASSY IS MOUNTED ON MED STL STRUCTURE, PIECE NOS. 1 AND 2 ARE TO BE WELDED WITH 3/8 INCH FILLET WELD ALL AROUND USING TYPE MIL-8018-C3, CLASS 1, IRON POWDER MATERIAL COVERED, LOW HYDROGEN WELDING ELECTRODES IAW MIL-E-22200/1 DATED 1973; FSN 1H 3439-865-4706 (1/8) INCH FSN 1H 3439-865-4707 (5/32) INCH. NO PREHEATING IS NECESSARY.
5. WHEN BASE PLATE ASSY IS MOUNTED ON ALUMINUM STRUCTURE, PIECE NOS. 1 AND 2 ARE TO BE RIVETED TO STRUCTURE USING 1/2 INCH HUCKBOLTS. THE NUMBER AND PLACEMENT OF HUCKBOLTS ARE TO BE AS DETAILED EXCEPT WHERE SHIP'S STRUCTURE DICTATES MINOR DEVIATIONS.



SWIVEL JOINT ASSEMBLY
RIGGED FOR PROBE FUELING



SWIVEL JOINT ASSEMBLY
RIGGED FOR CONVENTIONAL FUELING

REFERENCES

NO	TITLE	CODE IDENT	DWG NO
1	PROBE FUELING-SWIVEL ARM DETAILS		805-2213160 B
2	PROBE FUELING-ARRG & INSTL-RECEIVING SHIP		805-2213794 C

REVISES		REVISIONS		DATE	APPROVED
ZONE	LTR	DESCRIPTION			
A		PLAN REVISED AND REDRAWN			
B		MATL SPEC IN L/M FOR PCS 9 & 10 WAS INCORRECTLY LISTED AS QQ-B-769. UNDER REMARKS OF L/M, PC 9 WAS 1-3/4 LONG.			
C		SPECIFICATION IN NOTE 3 WAS "GEN SPECS. SECT S9-1."			
D		CHANGED NOTE NO. 4 AND RETYPED ALL NOTES			
E		CHANGED MATERIAL OF PC 12 TO CRES 316 WAS CRES 304.			
F		REDRAWN IAW PHD NSWC (ISEA) ECP 4M-00-1397	2-00	26	10

NOTICE OF CONFIGURATION
CONTROL

THIS DRAWING DEFINES AN ITEM OF UNDERWAY REPLENISHMENT (UNREP) STANDARD HARDWARE. NO REVISION TO THIS DRAWING OR THE HARDWARE REPRESENTED BY IT IS AUTHORIZED WITHOUT THE WRITTEN APPROVAL OF THE NAVAL SEA SYSTEMS COMMAND.

DISTRIBUTION STATEMENT C: DISTRIBUTION AUTHORIZED TO U.S. GOVERNMENT AGENCIES AND THEIR CONTRACTORS: (CRITICAL TECHNOLOGY, U.S. MUNITIONS LIST ARTICLES) (DATE). OTHER REQUESTS WILL BE REFERRED TO NAVSEA OSP.

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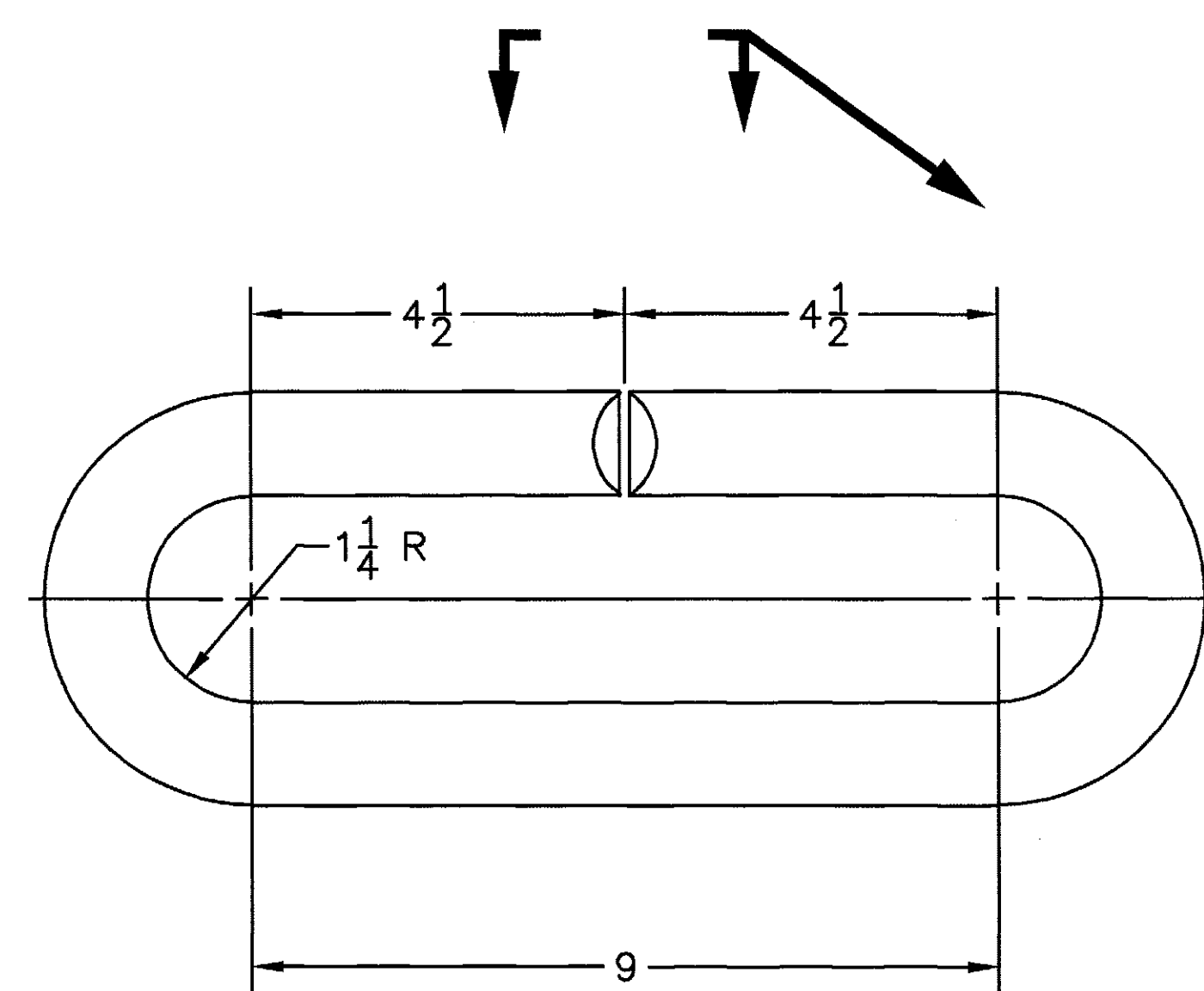
DESTRUCTION NOTICE: DESTROY BY ANY METHOD THAT WILL PREVENT DISCLOSURE OF CONTENTS OR RECONSTRUCTION OF THE DOCUMENT.

46	18	1/2 DIA HUCK BOLT	CRES-304	COMML	TYPE CLPB-U	
1	17	COTTER PIN	NI-CU ALLOY	FF-P-386	3/16 DIA X 3-1/2 LG	
2	16	STOP	MED STL	MIL-S-20166	1/4 SQ X 1/2 LG	
2	15	WASHER	NAVAL BRASS	QQ-B-639	.064 THK SHT	
1	14	SWIVEL	FORGE STL, GR 1023W	MIL-S-16974	-	
1	13	LINK ADAPTER	HTS	MIL-S-16113	1-1/4 PLATE	
1	12	SWIVEL PIN AND NUT	CRES 316, COND B	QQ-S-763	FROM 2-1/4 HEX BAR	
1	11	SPANWIRE LINK	MED STEEL	MIL-S-20166 TYP A, GR M	1-1/4 DIA ROD	
2	10	BUSHING	AL BRZ, COMP 1, COLD DRWN	QQ-B-769	1-7/8 LONG	
1	9	BUSHING	AL BRZ, COMP 1, COLD DRWN	QQ-B-769	1-3/4 LONG	
2	8	LUBE FITTING	NI-CU ALLOY	MIL-F-3541	1/8 PTF SHORT	
2	7	5/16 PLATE	HTS	MIL-S-16113	-	
4	6	1/2 PLATE	HTS	-	-	
2	5	7/8 PLATE	HTS	-	-	
1	4	1" PLATE	HTS	-	-	
2	3	1" PLATE	HTS	-	-	
1	2	3/4 PLATE	HTS	-	-	
1	1	BASE PLATE, 3/4 THK	HTS	-	-	
NO. REQ.	PC. NO.	DESCRIPTION	MATERIAL	MATL SPEC.	REMARKS	REF. DWG.

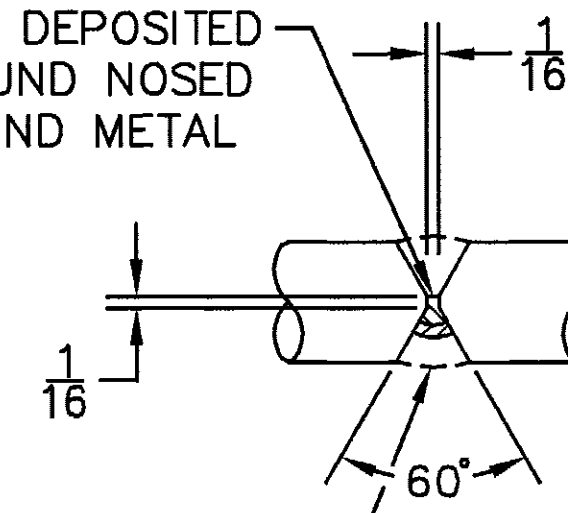
LIST OF MATERIAL PER INSTALLATION

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED, TO BE IN ACCORDANCE WITH GOOD COMMERCIAL PRACTICE.	NORVA SHIPYARD		HULL STANDARD PLAN		DEPT. OF THE NAVY WASHINGTON, D.C.	
	CH. DES. ENG.	REEDY	USN SHIPBOARD TYPE			
	BR. SUPV.		SINGLE PROBE FUELING SWIVEL JOINT DETAILS		BUREAU OF SHIPS	
	SECT. SUPV.	A.J. HOFFLER				
	CHECKER	A.G. TAYLOR				
	DRAWN	E.B. ADAMSON	805 2213159		REV F	
	EDWARD E. REEDY FOR CHIEF OF BUREAU					
DATE 9/14/68						
		SCALE	3=1-0	WT	CODE 80064	SHEET 1 OF 3

ZONE	LTR	DESCRIPTION	DATE	APPROVED
	F	REDRAWN IAW PHD NSWC (ISEA) ECP 4M-99-1397	02-00	<i>[Signature]</i>



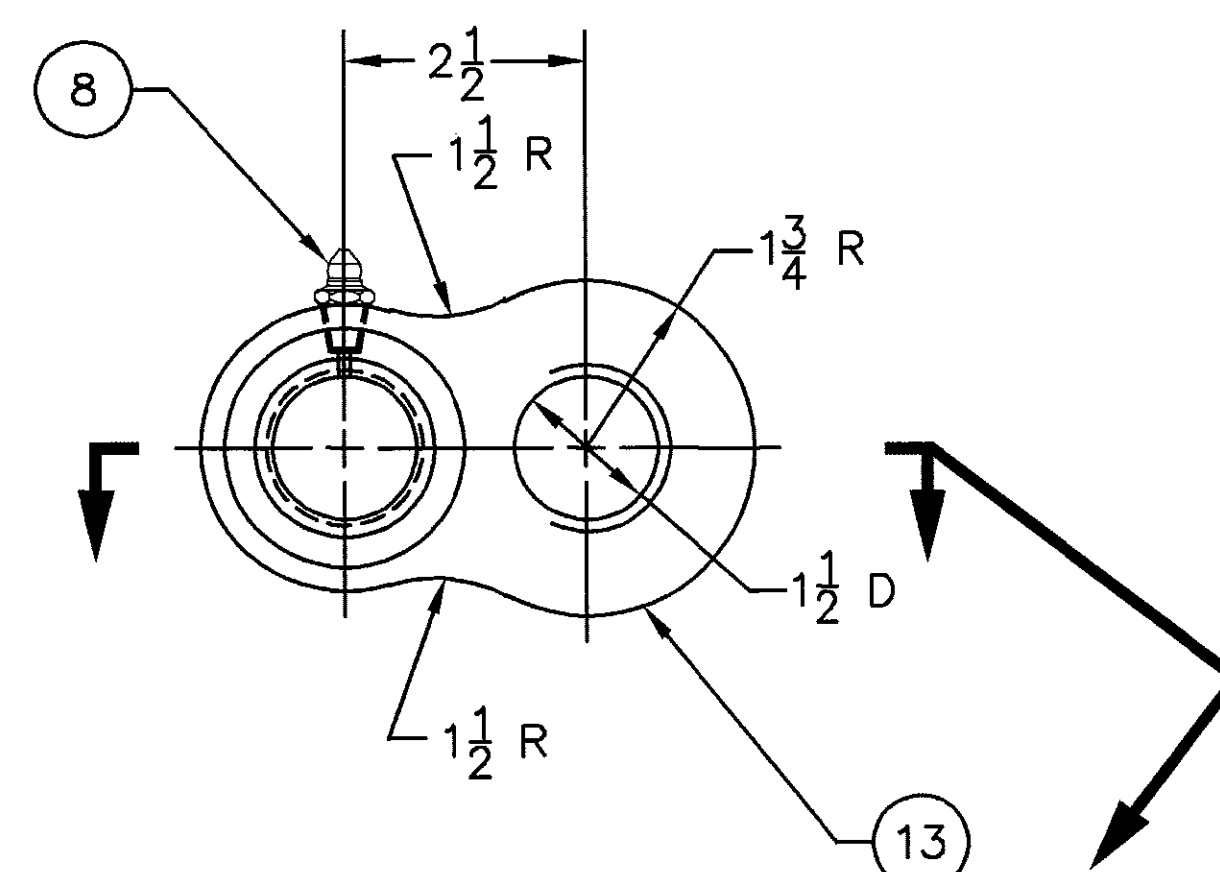
AFTER 2 BEADS ARE DEPOSITED
CHIP ROOT WITH ROUND NOSED
TOOL DOWN TO SOUND METAL



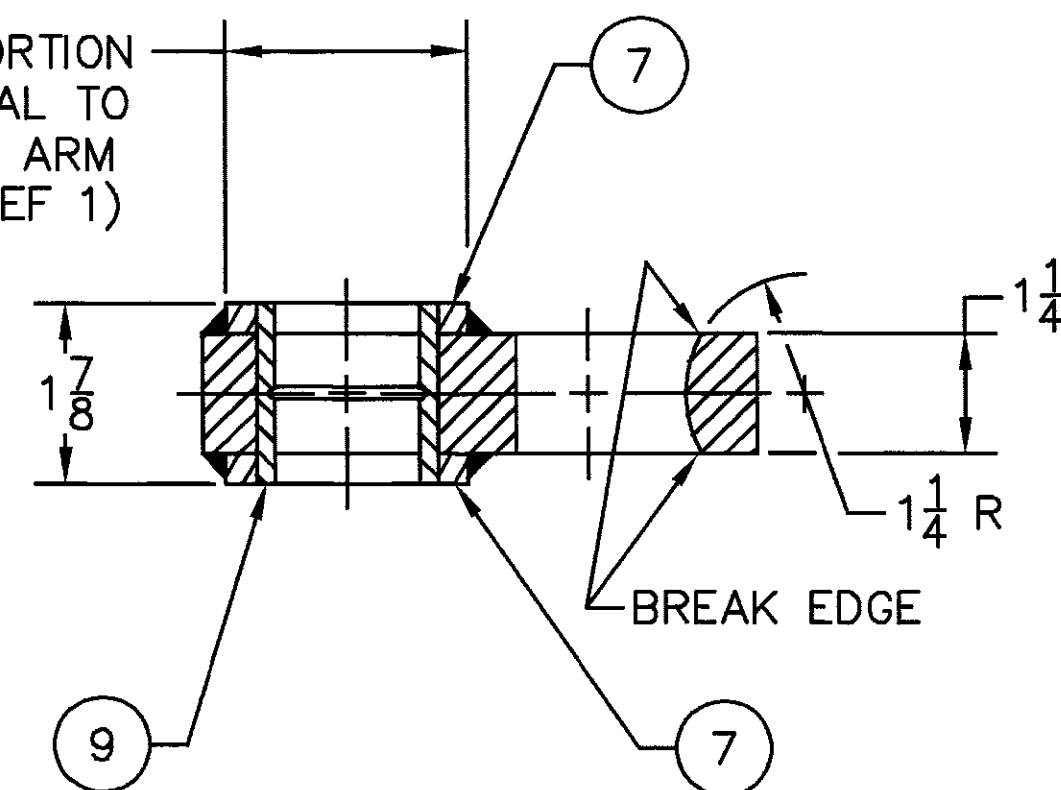
REINFORCE ALL
AROUND ABOUT 1/16"
AND GRIND SMOOTH

⑪ SPAN WIRE LINK

INSTALL IN LINK ADAPTER, PC 13, BEFORE WELDING
SCALE: 6=1-0

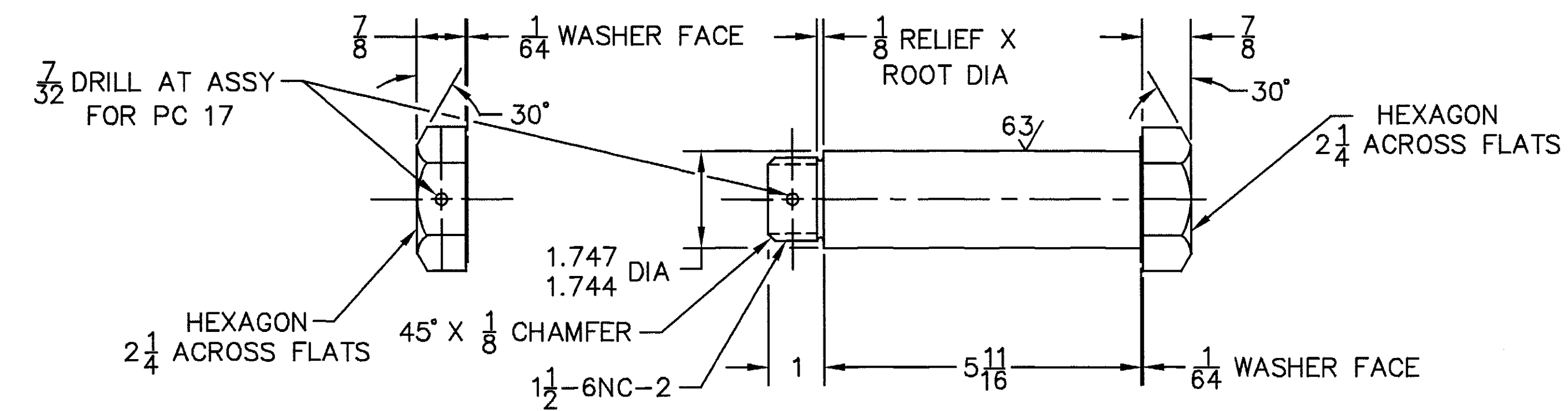


THIS PORTION
IDENTICAL TO
SWIVEL ARM
END (REF 1)



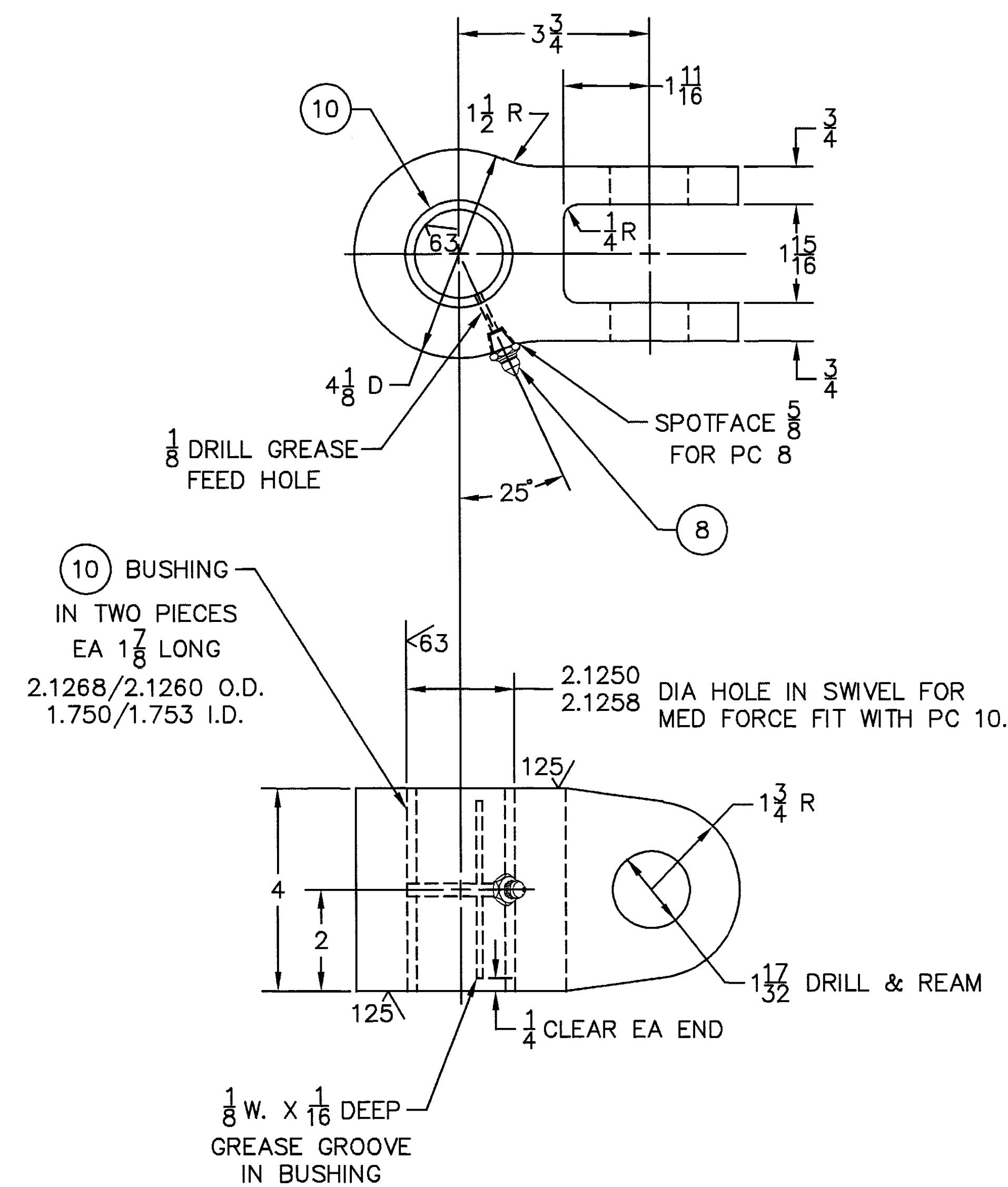
(13) LINK PIN

SCALE: 6=1-0



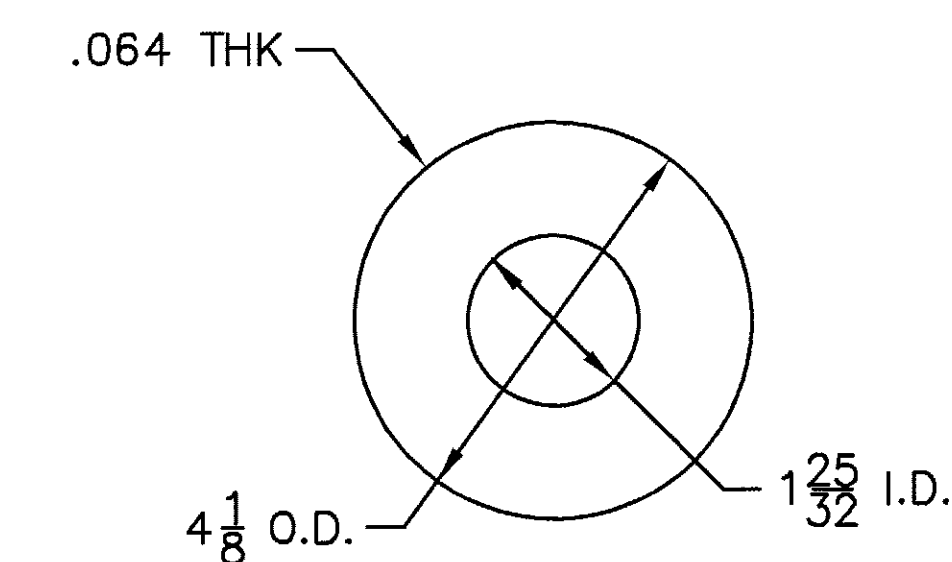
(12) SWIVEL PIN & NUT

SCALE: 6=1-0



⑭ SWIVEL

SCALE: 6=1-0



(15) WASHER

SCALE: 6=1-0

ORIGINAL STAMPED IN RED

SIZE F	CAGE CODE 80064	NAVSEA DWG. NO. 805 2213159	REV F
SCALE NOTED	UNIT WT	SHEET 3	