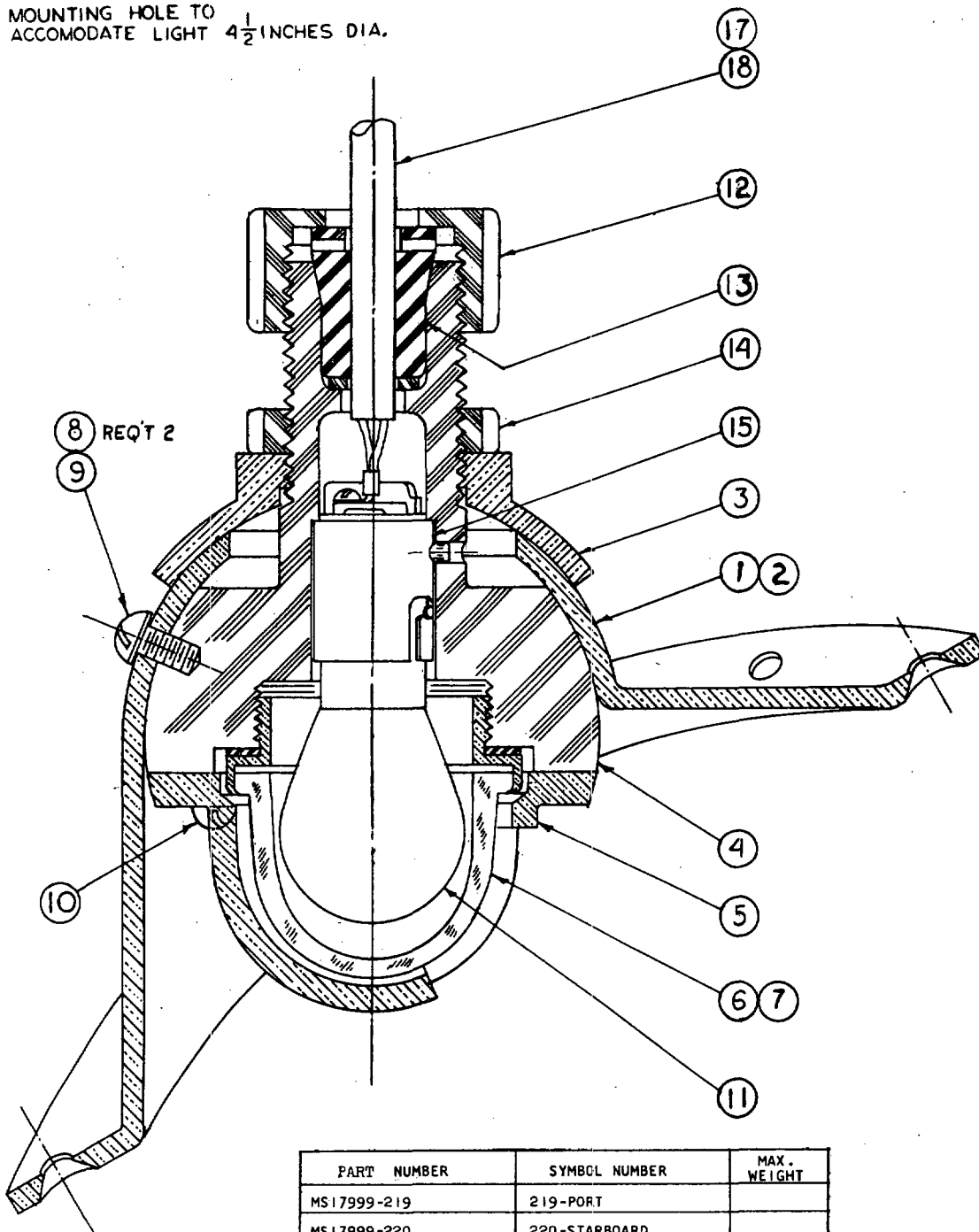


FED. SUP CLASS  
6220MOUNTING HOLE TO  
ACCOMMODATE LIGHT  $4\frac{1}{2}$  INCHES DIA.

PART NUMBER	SYMBOL NUMBER	MAX. WEIGHT
MS17999-219	219-PORT	
MS17999-220	220-STARBOARD	

This standard has been approved by the Bu of SHIPS  
Department of the NAVY and is mandatory for use by  
their activity. All other military activities are required  
to employ this standard where suitable.

P.A. SHIPS

Other Cust

TITLE **LIGHT, NAVIGATIONAL, SIDE  
SPT, CONTOUR, FOR CLASS  
2 AND 3 BOATS**

MILITARY STANDARD

**MS 17999(SHIPS)**

PROCUREMENT SPECIFICATION  
MIL-F-18377

SUPERSEDES: **9000-S6405-74355**

SHEET **1** OF **4**

APPROVED 6 MAY 1963 REVISED

NOTICE: When Government drawings, specifications, or other data are used for any purpose other than in connection with a definitely related Government procurement operation, the United States Government thereby incurs no responsibility, nor any obligation whatsoever, and the fact that the Government may have formulated, furnished, or in any way supplied the said drawings, specifications, or other data is not to be regarded by implication or otherwise as in any manner licensing the holder or any other person or corporation, or conveying any rights or permission to manufacture, use, or sell any patented invention that may in any way be related thereto.

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FED. SUP CLASS  
6220

### LIST OF MATERIAL - QUANTITIES FOR ONE UNIT

PC NO.	NAME	QTY		MATERIAL	SPECIFICATION	REQUIREMENTS
		SYM 219	SYM 220			
1	HOUSING	1		BRASS OR BRZ		SEE REQ 3
2	HOUSING		1	BRASS OR BRZ		SEE REQ 3
3	RETAINER	1	1	CAST BRASS		
4	ADAPTER	1	1	ALKYD RESIN		GREY
5	LIGHT SHIELD	1	1	BRASS		
6	GLOBE ASSEMBLY	1			MS17374-2	
7	GLOBE ASSEMBLY		1		MS17374-3	
8	#8-32 R.H. MACH SCR. 1/4 LONG	2	2	BRASS		SEE REQ 2
9	LOCKWASHER FOR 8-32 SCR.	2	2	PHOS. BRONZE		SEE REQ 2
10	#6-32 R. H. MACH SCR 1/2 LONG	4	4	BRASS		
11	LAMP (SEE LAMP SCHEDULE)	1	1			
12	CAP	1	1		MS16170-11	
13	PACKING ASSEMBLY	1	1		MS16178-1	
14	NUT	1	1		MS16169-20	
15	LAMP HOLDER	1	1		MS17077	
16	LABEL	1	1		MIL-L-19896 TYPE IV	SEE REQ 4
17	CABLE, DBSP-3	25FT	25FT		MIL-C-915	
18	TERMINAL FOR PC 17	2	2			

#### REQUIREMENTS:

1. LIGHTS SHOWN HEREON SHALL COMPLY WITH AND BE TESTED IN ACCORDANCE WITH APPLICABLE REQUIREMENTS OF SPECIFICATION MIL-F-16377.
2. AFTER INSTALLATION IN VESSEL, LIGHT APERTURE SHALL BE ADJUSTED TO ASSURE COMPLIANCE WITH THE BEAM OR CUT-OFF REQUIREMENTS AS DEFINED BY U. S. COAST GUARD REGULATIONS. UPON ADJUSTMENT, THE LIGHT APERTURE SHALL THEN BE LOCKED IN THE HOUSING PC 1 OR 2, BY MEANS OF PC 8, TWO HOLES FOR WHICH SHALL BE DRILLED AND TAPPED APPROXIMATELY 90° APART, ON AXIS INDICATED.
3. INNER SURFACE OF PCS 1 & 2, EXCEPTING 1.250 RADIUS SPHERICAL SURFACE, SHALL BE PAINTED DULL BLACK.
4. LIGHT SHALL BE FURNISHED UNPAINTED. A LABEL, PC 16, OR A SUITABLE TAG COVERING PAINTING INSTRUCTIONS SHALL BE ATTACHED TO EACH LIGHT.
5. PIECES 3 AND 5 MAY BE MOLDED OF A PLASTIC SPECIFICALLY APPROVED BY BUREAU OF SHIPS, CODE 660W.
6. COMMERCIAL BRASS LOCKNUT MAY BE SUBSTITUTED FOR PC 14.

#### NOTES:

1. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BIDS.

LAMP SCHEDULE			
SYSTEM	TYPE	CANDLE POWER	MIL-STD NO
6-8 VOLT	TS-44	15	15584-1
12-16 VOLT	TS-45	15	15584-2
24-28 VOLT	TS-102	15	15584-8

P.A. SHIPS Other Cust	TITLE <b>LIGHT, NAVIGATIONAL, SIDE SPT, CONTOUR, FOR CLASS 2 AND 3 BOATS</b>	MILITARY STANDARD	
		<b>MS 17999(SHIPS)</b>	
PROCUREMENT SPECIFICATION MIL-F-16377	SUPERSEDES: <b>9000-S6405-74355</b>	SHEET <b>2</b>	

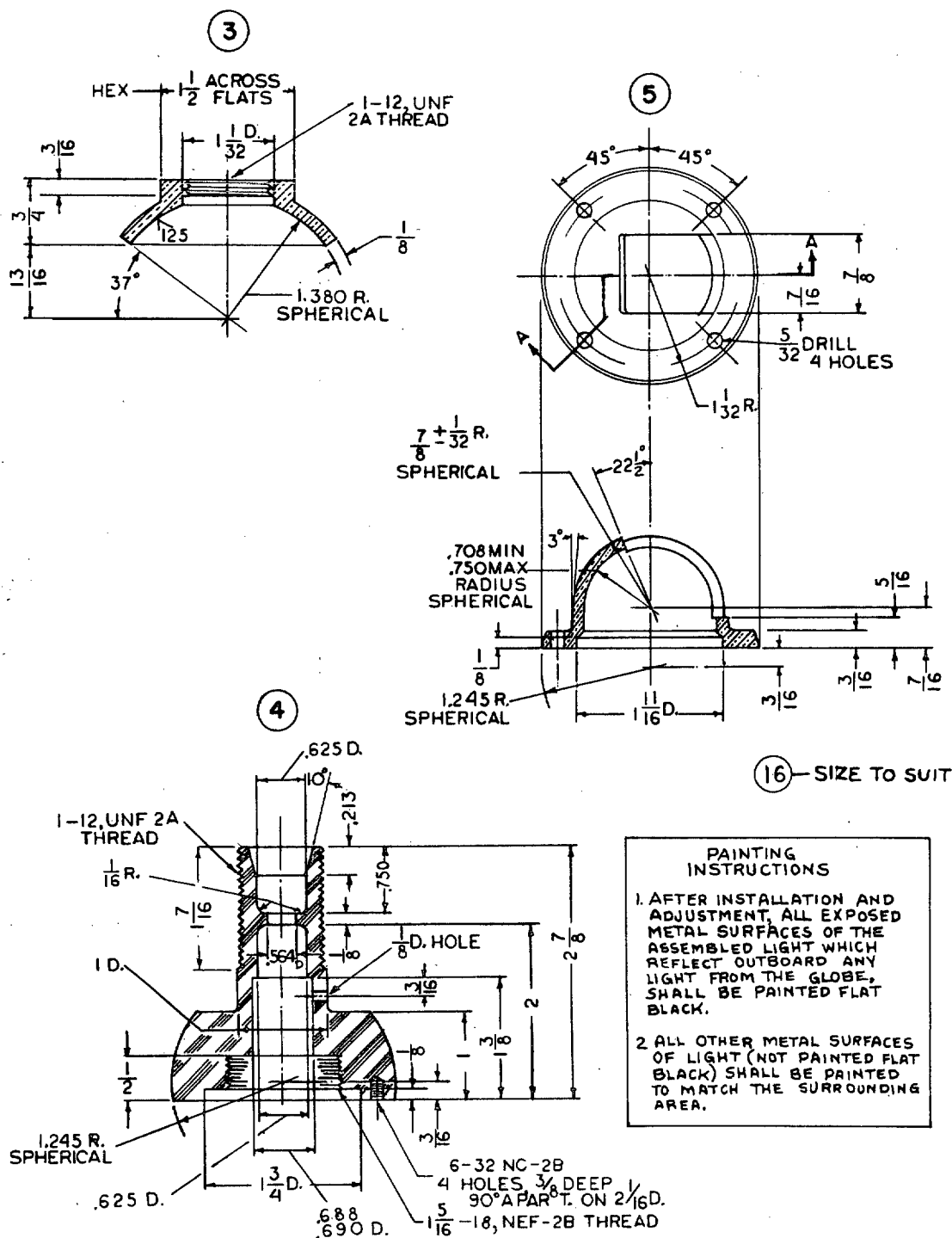
APPROVED 6 MAY 1963 REVISED

		FED. SUP CLASS 6220
<p>1 SHOWN 2 SAME AS PC.1 EXCEPT TO OPPOSITE HAND (MAY BE MADE IN TWO PIECES)</p> <p>1250R SPHERICAL</p> <p>9 1/8 D.</p> <p>1-10</p> <p>1-8</p> <p>2-5</p> <p>30°</p> <p>45°</p> <p>6 7/8 DIA.</p> <p>2 1/4 R.</p> <p>2 1/4 R.</p> <p>15°</p> <p>13 D. DRILL CSK. 64 8 HOLES</p> <p>DWG. NO., REV., CURRENT AT TIME OF MFR. AND SYM NO TO BE CAST OR STAMPED IN 1/8 LTRS.</p>		
P.A. SHIPS Other Cust	TITLE <b>LIGHT, NAVIGATIONAL, SIDE SPT, CONTOUR, FOR CLASS 2 AND 3 BOATS</b>	MILITARY STANDARD <b>MS 17999(SHIPS)</b>
PROCUREMENT SPECIFICATION MIL-P-16377	SUPERSEDES: <b>9000-S6405-74355</b>	SHEET <b>3</b>
APPROVED 6 MAY 1963 REVISED		

FED. SUP CLASS

6220

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P.A. SHIPS Other Cust	TITLE <b>LIGHT, NAVIGATIONAL, SIDE SPT, CONTOUR, FOR CLASS 2 AND 3 BOATS</b>	MILITARY STANDARD <b>MS 17999(SHIPS)</b>
PROCUREMENT SPECIFICATION MIL-P-18877	SUPERSEDES: <b>9000-S6405-74355</b>	SHEET <b>4</b>

APPROVED 6 MAY 1963 REVISED