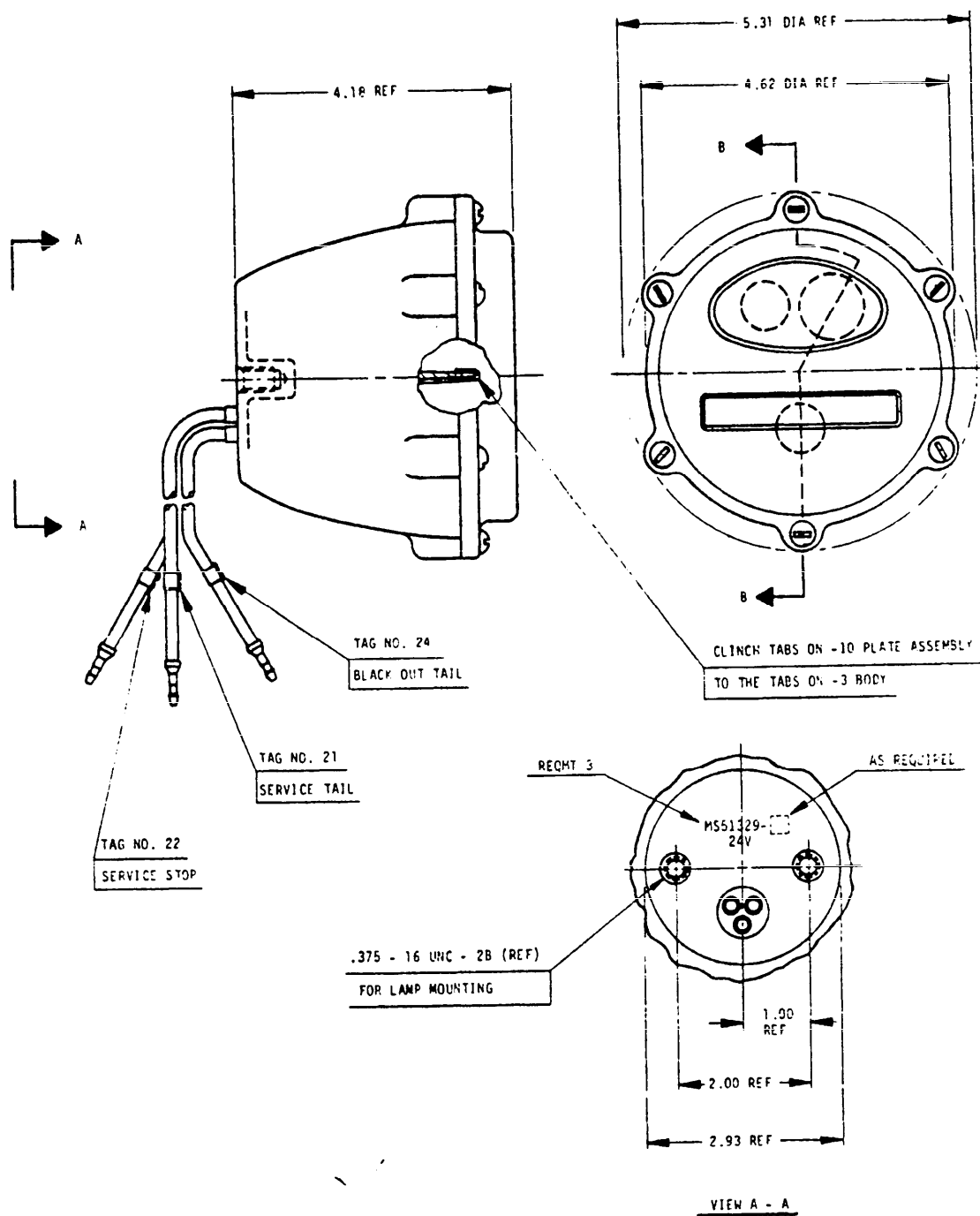


FED. SUP CLASS  
622C

- 1 LAMP ASSEMBLY (RED LENS)
- 2 LAMP ASSEMBLY (BLUE LENS)

(B) REVISED AND REDRAWN

P.A.  
NAVY - AS  
Other CustTITLE  
STOP LIGHT-TAILLIGHT, VEHICULAR-24 VOLT,  
SERVICE STOP, SERVICE TAIL, BLACKOUT TAILPROCUREMENT SPECIFICATION  
NONESUPERSEDES:  
MS51329MILITARY STANDARD  
**MS51329(AS)**

SHEET 1 OF 23

DD FORM 1 MAR 71 **672-1** (Limited Coordination)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

PROJECT NO. 6220-N314

PLATE NO. 23001

This military standard is approved by NAVAL AIR SYSTEMS COMMAND, Department of the Navy and shall be used by that activity. All other military activities are required to employ this standard where suitable.

APPROVED 18 APRIL 1960 REVISED (B) 17 JULY 83

| <b>FED. SUP CLASS</b><br>6220                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                       |                                       |  |  |                                  |             |  |              |              |                              |      |     |                           |      |     |                              |     |     |                              |      |     |                    |      |     |                         |      |      |                            |      |     |                            |      |     |                          |      |      |                       |      |      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|---------------------------------------|--|--|----------------------------------|-------------|--|--------------|--------------|------------------------------|------|-----|---------------------------|------|-----|------------------------------|-----|-----|------------------------------|------|-----|--------------------|------|-----|-------------------------|------|------|----------------------------|------|-----|----------------------------|------|-----|--------------------------|------|------|-----------------------|------|------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                       |                                       |  |  |                                  |             |  |              |              |                              |      |     |                           |      |     |                              |     |     |                              |      |     |                    |      |     |                         |      |      |                            |      |     |                            |      |     |                          |      |      |                       |      |      |
| <b>SECTION B-B</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                       |                                       |  |  |                                  |             |  |              |              |                              |      |     |                           |      |     |                              |     |     |                              |      |     |                    |      |     |                         |      |      |                            |      |     |                            |      |     |                          |      |      |                       |      |      |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="3">PHOTOMETRIC MIN. CANDLEPOWER REQUIRED</th> </tr> <tr> <th rowspan="2">TEST POINTS<br/>(ANGULAR DEGREES)</th> <th colspan="2">CANDLEPOWER</th> </tr> <tr> <th>SERVICE TAIL</th> <th>SERVICE STOP</th> </tr> <tr> <td>10° U OR 10° D - 5° R &amp; 5° P</td> <td>0.25</td> <td>2.0</td> </tr> <tr> <td>10° U OR 10° D - VERTICAL</td> <td>0.25</td> <td>2.0</td> </tr> <tr> <td>5° U OR 5° D - 20° R &amp; 20° L</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>5° U OR 5° D - 10° R &amp; 10° L</td> <td>0.25</td> <td>2.0</td> </tr> <tr> <td>5° U - 5° P &amp; 5° L</td> <td>0.25</td> <td>5.0</td> </tr> <tr> <td>5° U OR 5° D - VERTICAL</td> <td>0.25</td> <td>10.0</td> </tr> <tr> <td>HORIZONTAL - 20° R &amp; 20° L</td> <td>0.25</td> <td>2.0</td> </tr> <tr> <td>HORIZONTAL - 10° R &amp; 10° L</td> <td>0.25</td> <td>5.0</td> </tr> <tr> <td>HORIZONTAL - 5° R &amp; 5° L</td> <td>0.25</td> <td>10.0</td> </tr> <tr> <td>HORIZONTAL - VERTICAL</td> <td>0.25</td> <td>15.0</td> </tr> </table> |                                                                                                       | PHOTOMETRIC MIN. CANDLEPOWER REQUIRED |  |  | TEST POINTS<br>(ANGULAR DEGREES) | CANDLEPOWER |  | SERVICE TAIL | SERVICE STOP | 10° U OR 10° D - 5° R & 5° P | 0.25 | 2.0 | 10° U OR 10° D - VERTICAL | 0.25 | 2.0 | 5° U OR 5° D - 20° R & 20° L | 0.0 | 0.0 | 5° U OR 5° D - 10° R & 10° L | 0.25 | 2.0 | 5° U - 5° P & 5° L | 0.25 | 5.0 | 5° U OR 5° D - VERTICAL | 0.25 | 10.0 | HORIZONTAL - 20° R & 20° L | 0.25 | 2.0 | HORIZONTAL - 10° R & 10° L | 0.25 | 5.0 | HORIZONTAL - 5° R & 5° L | 0.25 | 10.0 | HORIZONTAL - VERTICAL | 0.25 | 15.0 |
| PHOTOMETRIC MIN. CANDLEPOWER REQUIRED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                       |                                       |  |  |                                  |             |  |              |              |                              |      |     |                           |      |     |                              |     |     |                              |      |     |                    |      |     |                         |      |      |                            |      |     |                            |      |     |                          |      |      |                       |      |      |
| TEST POINTS<br>(ANGULAR DEGREES)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | CANDLEPOWER                                                                                           |                                       |  |  |                                  |             |  |              |              |                              |      |     |                           |      |     |                              |     |     |                              |      |     |                    |      |     |                         |      |      |                            |      |     |                            |      |     |                          |      |      |                       |      |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | SERVICE TAIL                                                                                          | SERVICE STOP                          |  |  |                                  |             |  |              |              |                              |      |     |                           |      |     |                              |     |     |                              |      |     |                    |      |     |                         |      |      |                            |      |     |                            |      |     |                          |      |      |                       |      |      |
| 10° U OR 10° D - 5° R & 5° P                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0.25                                                                                                  | 2.0                                   |  |  |                                  |             |  |              |              |                              |      |     |                           |      |     |                              |     |     |                              |      |     |                    |      |     |                         |      |      |                            |      |     |                            |      |     |                          |      |      |                       |      |      |
| 10° U OR 10° D - VERTICAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.25                                                                                                  | 2.0                                   |  |  |                                  |             |  |              |              |                              |      |     |                           |      |     |                              |     |     |                              |      |     |                    |      |     |                         |      |      |                            |      |     |                            |      |     |                          |      |      |                       |      |      |
| 5° U OR 5° D - 20° R & 20° L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0.0                                                                                                   | 0.0                                   |  |  |                                  |             |  |              |              |                              |      |     |                           |      |     |                              |     |     |                              |      |     |                    |      |     |                         |      |      |                            |      |     |                            |      |     |                          |      |      |                       |      |      |
| 5° U OR 5° D - 10° R & 10° L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0.25                                                                                                  | 2.0                                   |  |  |                                  |             |  |              |              |                              |      |     |                           |      |     |                              |     |     |                              |      |     |                    |      |     |                         |      |      |                            |      |     |                            |      |     |                          |      |      |                       |      |      |
| 5° U - 5° P & 5° L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0.25                                                                                                  | 5.0                                   |  |  |                                  |             |  |              |              |                              |      |     |                           |      |     |                              |     |     |                              |      |     |                    |      |     |                         |      |      |                            |      |     |                            |      |     |                          |      |      |                       |      |      |
| 5° U OR 5° D - VERTICAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0.25                                                                                                  | 10.0                                  |  |  |                                  |             |  |              |              |                              |      |     |                           |      |     |                              |     |     |                              |      |     |                    |      |     |                         |      |      |                            |      |     |                            |      |     |                          |      |      |                       |      |      |
| HORIZONTAL - 20° R & 20° L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0.25                                                                                                  | 2.0                                   |  |  |                                  |             |  |              |              |                              |      |     |                           |      |     |                              |     |     |                              |      |     |                    |      |     |                         |      |      |                            |      |     |                            |      |     |                          |      |      |                       |      |      |
| HORIZONTAL - 10° R & 10° L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0.25                                                                                                  | 5.0                                   |  |  |                                  |             |  |              |              |                              |      |     |                           |      |     |                              |     |     |                              |      |     |                    |      |     |                         |      |      |                            |      |     |                            |      |     |                          |      |      |                       |      |      |
| HORIZONTAL - 5° R & 5° L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 0.25                                                                                                  | 10.0                                  |  |  |                                  |             |  |              |              |                              |      |     |                           |      |     |                              |     |     |                              |      |     |                    |      |     |                         |      |      |                            |      |     |                            |      |     |                          |      |      |                       |      |      |
| HORIZONTAL - VERTICAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0.25                                                                                                  | 15.0                                  |  |  |                                  |             |  |              |              |                              |      |     |                           |      |     |                              |     |     |                              |      |     |                    |      |     |                         |      |      |                            |      |     |                            |      |     |                          |      |      |                       |      |      |
| -1 LAMP ASSEMBLY (RED LENS)<br>-2 LAMP ASSEMBLY (BLUE LENS)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                       |                                       |  |  |                                  |             |  |              |              |                              |      |     |                           |      |     |                              |     |     |                              |      |     |                    |      |     |                         |      |      |                            |      |     |                            |      |     |                          |      |      |                       |      |      |
| <b>P.A.</b><br>NAVY - AS<br>Other Com                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>TITLE</b><br>STOP LIGHT-TAILLIGHT, VEHICULAR-24 VOLT,<br>SERVICE STOP, SERVICE TAIL, BLACKOUT TAIL |                                       |  |  |                                  |             |  |              |              |                              |      |     |                           |      |     |                              |     |     |                              |      |     |                    |      |     |                         |      |      |                            |      |     |                            |      |     |                          |      |      |                       |      |      |
| <b>MILITARY STANDARD</b><br><b>MS51329(AS)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                       |                                       |  |  |                                  |             |  |              |              |                              |      |     |                           |      |     |                              |     |     |                              |      |     |                    |      |     |                         |      |      |                            |      |     |                            |      |     |                          |      |      |                       |      |      |
| <b>PROCUREMENT SPECIFICATION</b><br>NONE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>SUPERSEDES:</b><br>MS51329                                                                         |                                       |  |  |                                  |             |  |              |              |                              |      |     |                           |      |     |                              |     |     |                              |      |     |                    |      |     |                         |      |      |                            |      |     |                            |      |     |                          |      |      |                       |      |      |
| <b>SHEET</b> 2 <b>OF</b> 23                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                       |                                       |  |  |                                  |             |  |              |              |                              |      |     |                           |      |     |                              |     |     |                              |      |     |                    |      |     |                         |      |      |                            |      |     |                            |      |     |                          |      |      |                       |      |      |

This military standard is approved by Naval Air Systems Command, Department of the Navy and shall be used by that activity. All other military activities are required to employ this standard where verifiable.

APPROVED 18 APRIL 1960 REVISED R FOR CHANGES SEE SHEETS 1 THRU 21

FED. SUP CLASS  
6220

## REQUIREMENTS:

1. PHOTOMETRIC CHARACTERISTICS ARE TO BE TAKEN ON A TEST SCREEN AT A DISTANCE OF 4 FEET FROM THE LIGHT WITH 28 VOLTS D.C. APPLIED AND WILL BE IN ACCORDANCE WITH VALUES SHOWN IN TABULATION. SEE SAE J585 PHOTOMETRIC TEST AND COLOR FOR SERVICE STOP AND TAIL LENS. FOR PHOTOMETRIC TOLERANCE SEE LATEST SAE JOURNAL FOR LIGHTING.
2. LIGHTING SPECIFICATION:  
LAMPS SHALL BE IN ACCORDANCE WITH THIS DRAWING AND MUST COMPLY WITH THE FOLLOWING LIGHTING SPECIFICATION. THE BLACKOUT FEATURES SHALL HAVE A MAXIMUM VISIBILITY OF 1000 FT  $\pm$  200 FT ON A DARK CLOUDY NIGHT WITH NO MOON WHEN BULBS ARE OPERATED AT DESIGN VOLTS. THE FOUR OPENINGS SHALL BE OF SUBSTANTIALLY EQUAL BRIGHTNESS. THE SERVICE FEATURES - TAIL & STOP - SHALL COMPLY WITH THE PHOTOMETRIC CHART.
3. STAMP - 24V - MS51329-1 or 24V - MS51329-2 IN LETTERS .25 HIGH WITH YELLOW INDELIBLE INK ON BOTTOM OF LAMP BODY.
4. FUNGUS RESISTANCE TO BE IN ACCORDANCE WITH MIL-F-13927, CLASS 2, METHOD OPTIONAL.
5. WATERPROOF REQUIREMENTS SHALL BE IN ACCORDANCE WITH MIL-STD-1184, TYPE II, CLASS 1, EXCEPT THAT TEST OF PHASE 2 IN TEMPERATURE CYCLING TEST SHALL BE CONDUCTED AT 160°F  $\pm$  5°F.
6. CORROSION RESISTANCE FOR 200 HRS IN ACCORDANCE WITH FED-STD-151, METHOD B11. MECHANICAL AND ELECTRICAL FUNCTION SHALL NOT BE IMPAIRED IN TEST.
7. TOUGH UP FINISH: SEE NOTE 9

-1 LAMP ASSEMBLY (RED LENS)

-2 LAMP ASSEMBLY (BLUE LENS)

## NOTES:

1. ALL DIMENSION CALLOUTS IN DECIMALS  
TOLERANCE: 2 PLACE DECIMALS  $\pm$  .01  
3 PLACE DECIMALS  $\pm$  .005  
ALL RADII .06 UNLESS OTHERWISE SPECIFIED  
BREAK ALL CORNERS .03R
2. MATERIAL: RUBBER IN ACCORDANCE WITH MIL-R-3065, GRADE RS615BC1F1.
3. MATERIAL: STEEL SHEET, CARBON IN ACCORDANCE WITH ASTM A 619, EXPOSED.
4. MATERIAL: WIRE, STEEL, CORROSION - RESISTING IN ACCORDANCE WITH QQ-W-423, FORM 1, COMPOSITION 302 or 304, CONDITION A.
5. MATERIAL: PLASTIC, METHACRYLIC IN ACCORDANCE WITH L-P-380, TYPE I, CLASS 3.
6. FINISH: CADMIUM PLATE IN ACCORDANCE WITH QQ-P-416, TYPE II, CLASS 2.
7. FINISH: CADMIUM PLATE IN ACCORDANCE WITH QQ-P-416, TYPE II, CLASS 3.
8. FINISH: PASSIVATE IN ACCORDANCE WITH QQ-P-35.
9. FINISH: PROTECTIVE FINISH IN ACCORDANCE WITH MIL-STD-808, F300, TYPE 1. PRIME WITH ONE COAT OF TT-P-1757, FINISH WITH TWO COATS OF TT-E-529 COLOR YELLOW NO. 23538 IN ACCORDANCE WITH FED-STD-595.
10. SOLDER IN ACCORDANCE WITH MIL-STD-454, REQUIREMENT 5.
11. BRAID, WIRE IN ACCORDANCE WITH QQ-B-575 TINNED COPPER NO. 34 B&S GAUGE, 16 CARRIERS, 32 ENDS, 1/16 NOM I.D.
12. STEEL PROJECTION WELD IN ACCORDANCE WITH MIL-W-12332.
13. THREADS: ALL THREADS SHALL BE IN ACCORDANCE WITH FED-STD-H28.
14. IDENTIFICATION: IDENT. SHALL BE IN ACCORDANCE WITH MIL-STD-130.
15. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BIDS, OR REQUEST FOR PROPOSAL EXCEPT THAT REFERENCED ADOPTED INDUSTRY DOCUMENTS SHALL FIVE THE DATE OF THE ISSUE ADOPTED.
16. FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.

This military standard is approved by NAVAL AIR SYSTEMS COMMAND, Department of the Navy and shall be used by that activity. All other military activities are required to employ this standard where suitable.

|                                   |                                                                                                |                   |          |
|-----------------------------------|------------------------------------------------------------------------------------------------|-------------------|----------|
| P.A.<br>NAVY -- AS<br>Other Cuet  | TITLE<br>STOP LIGHT-TAILLIGHT, VEHICULAR-24 VOLT,<br>SERVICE STOP, SERVICE TAIL, BLACKOUT TAIL | MILITARY STANDARD |          |
|                                   |                                                                                                | MS51329(AS)       |          |
| PROCUREMENT SPECIFICATION<br>NONE | SUPERSEDES:<br>MS 51329                                                                        | SHEET<br>3        | OF<br>23 |

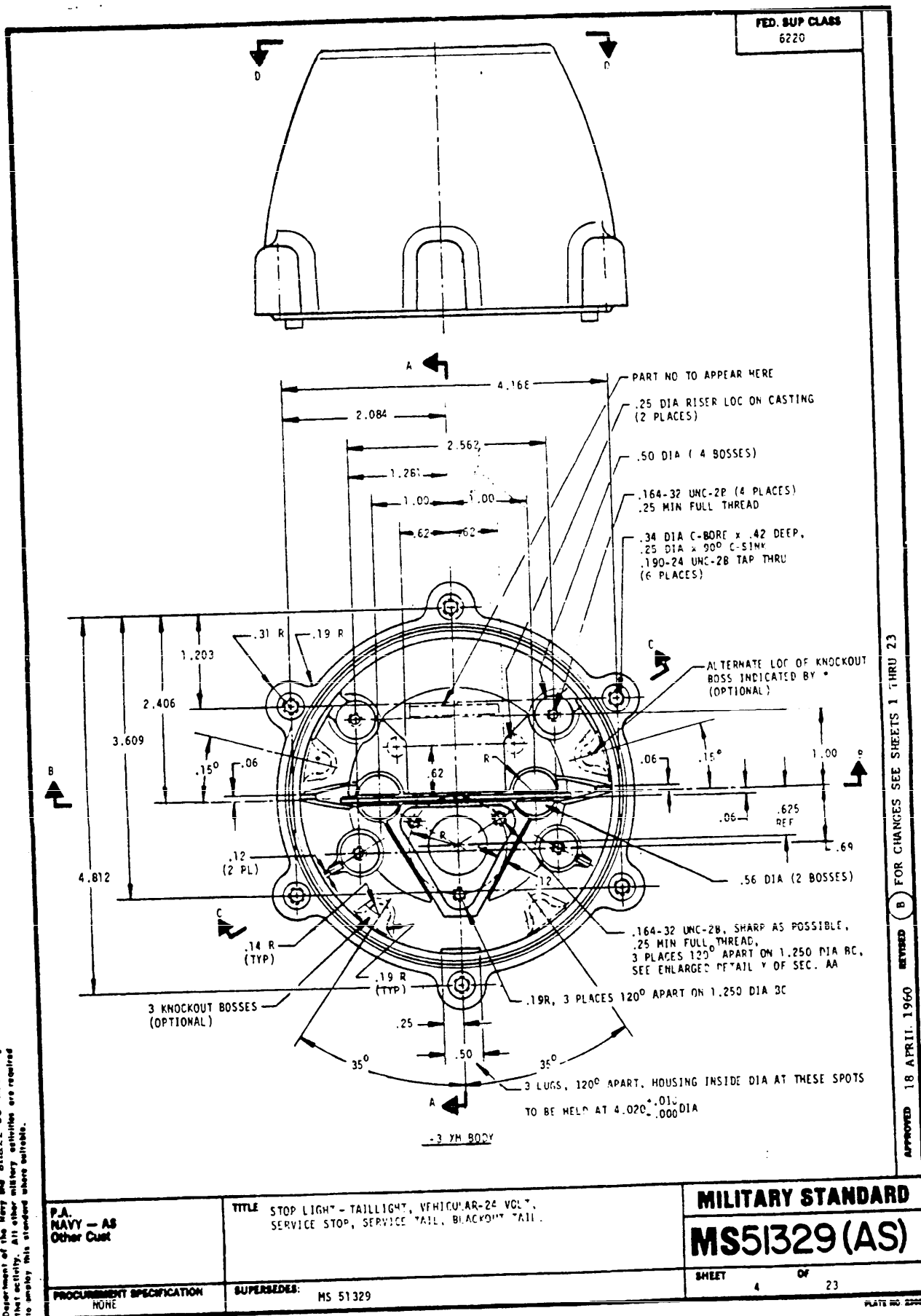
DD FORM 1 MAR 72 672-1

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

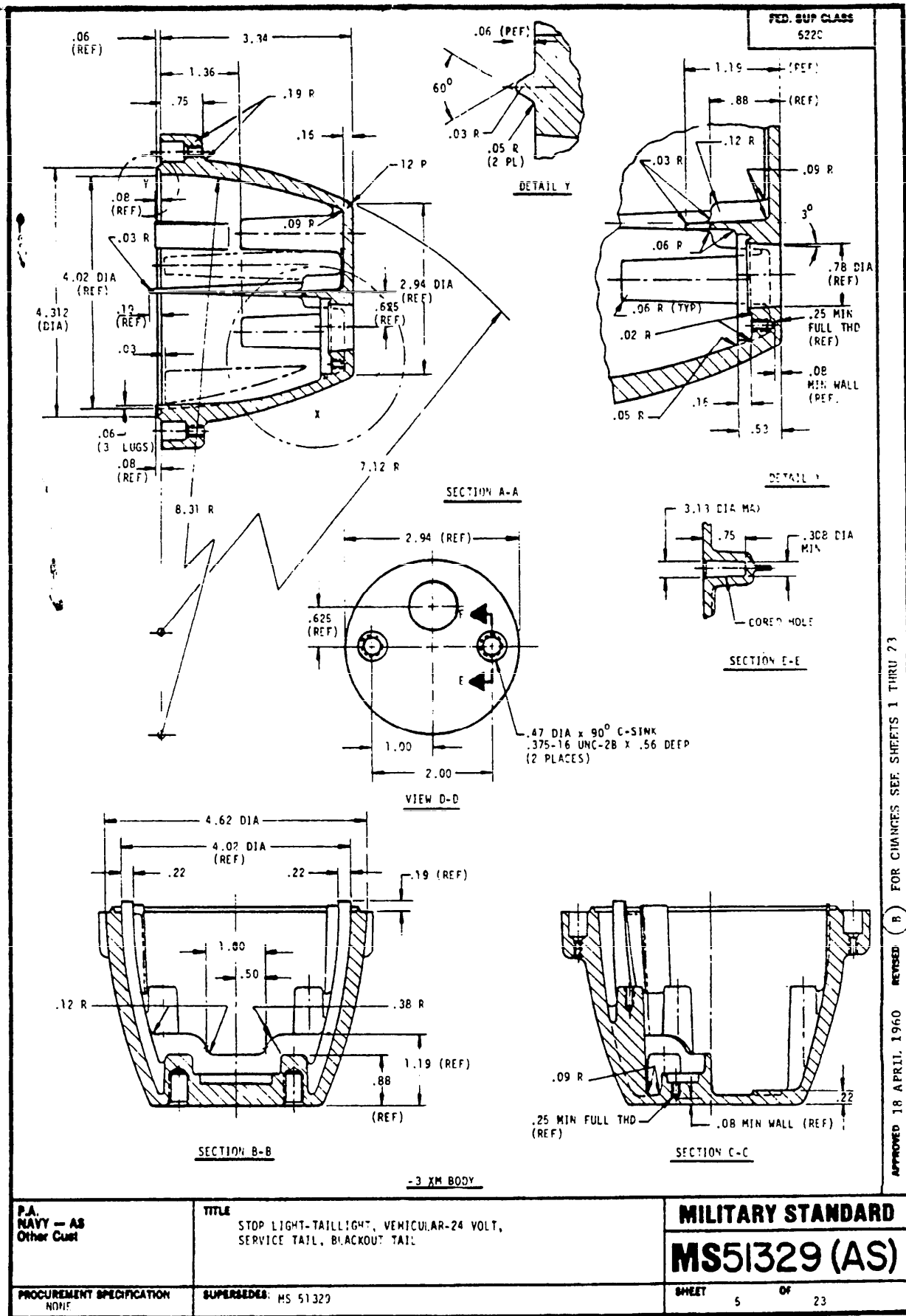
PLATE NO. 22884

APPROVED 18 APRIL 1960 REVISED B FOR CHANGES SEE SHEETS 1 THRU 23

This military standard is approved by NAVAL AIR SYSTEMS COMMAND, Department of the Navy and shall be used by that activity. All other military activities are required to employ this standard where suitable.



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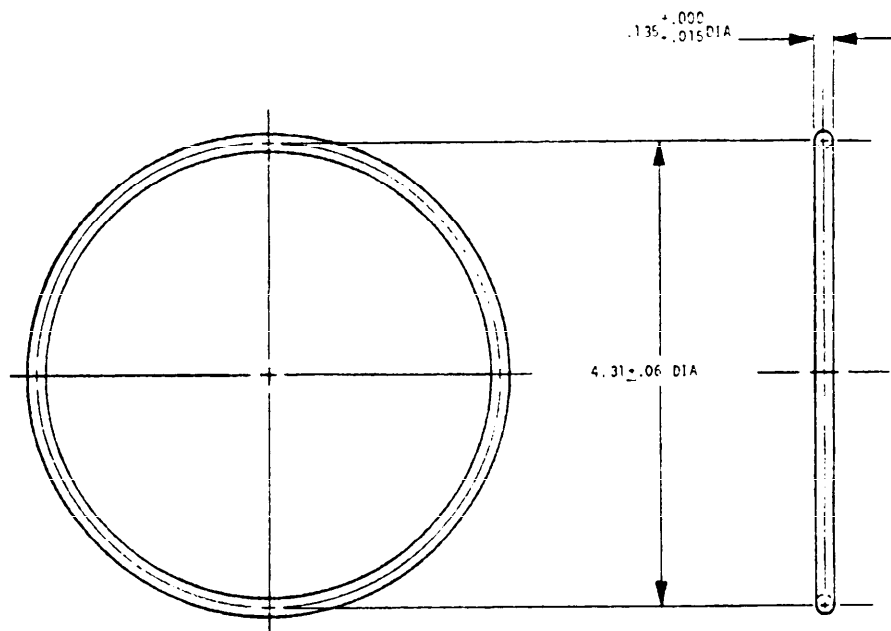


FED. SUP CLASS  
6220

UNLESS OTHERWISE SPECIFIED DRAFT ANGLE 2° MAX.

MATERIAL: ALUMINUM ALLOY DIE CASTING IN ACCORDANCE WITH QQ-A-591, COMPOSITION A13, 43, A380, 380 or 360.

FINISH: SEE NOTE 9

-3 XM BODY

MATERIAL: SEE NOTE 2

-4 GASKET, DOOR

This military standard is approved by MANUL AIR SYSTEMS COMMAND, Department of the Navy and shall be used by that activity. All other military activities are required to employ this standard where applicable.

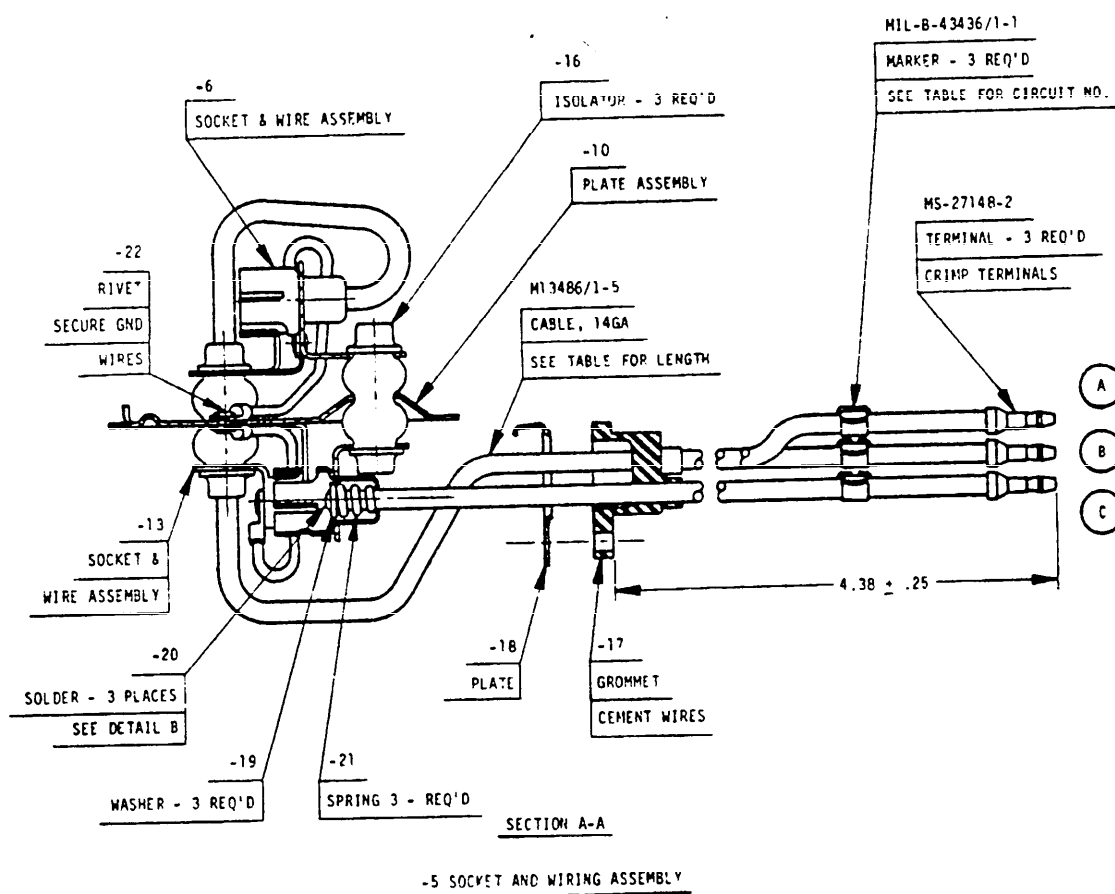
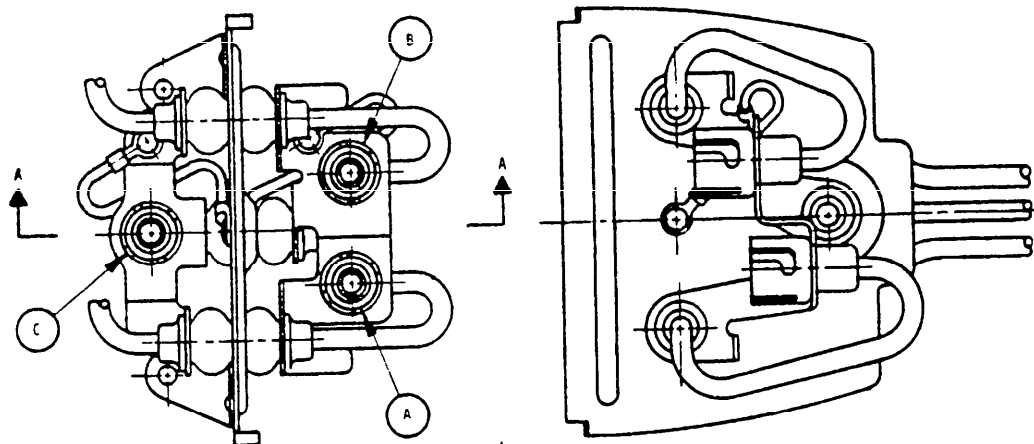
|                                   |                                                                                                |                                         |  |
|-----------------------------------|------------------------------------------------------------------------------------------------|-----------------------------------------|--|
| P.A.<br>NAVY - AS<br>Other Cust   | TITLE<br>STOP LIGHT-TAILLIGHT, VEHICULAR-24 VOLT,<br>SERVICE STOP, SERVICE TAIL, BLACKOUT TAIL | MILITARY STANDARD<br><b>MS51329(AS)</b> |  |
| PROCUREMENT SPECIFICATION<br>NONE | SUPERSEDES<br>MS51329                                                                          | SHEET 6 OF 23                           |  |

DD FORM 1 MAR 72 672-1

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

PLATE NO 23064

APPROVED 18 APRIL 1960 REVISED B FOR CHANGES SEE SHEETS 1 THRU 23

FED. SUP CLASS  
6220

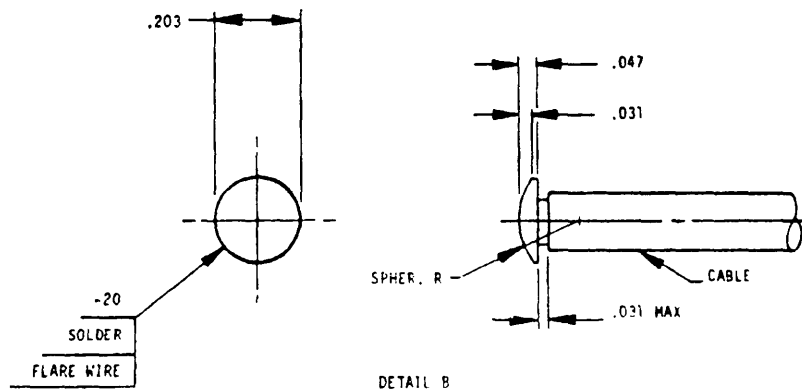
This military standard is approved by NAVAL AIR SYSTEMS COMMAND, Department of the Navy and shall be used by that activity. All other military activities are required to employ this standard where suitable.

|                                   |                                                                                                |                                                           |
|-----------------------------------|------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| P.A.<br>NAVY - AS<br>Other Cust   | TITLE<br>STOP LIGHT-TAILLIGHT, VEHICULAR-24 VOLT,<br>SERVICE STOP, SERVICE TAIL, BLACKOUT TAIL | MILITARY STANDARD<br><b>MS51329 (AS)</b><br>SHEET 7 OF 23 |
| PROCUREMENT SPECIFICATION<br>NONE | SUPERSEDES:<br>MSS1329                                                                         | PLATE NO. 23006                                           |

DD FORM 1 MAY 71 672-1

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

APPROVED 18 APRIL 1960 REVISION B FOR CHANGES SEE SHEETS 1 THRU 23

FED. SUP CLASS  
6220

TABLE

| PART NO. | CONDUCTOR DESIGNATION | APPLICATION | CIRCUIT NO. | CUT CABLE LENGTH |
|----------|-----------------------|-------------|-------------|------------------|
| -5       | A                     | SER STOP    | 22          | 18 1/2           |
|          | B                     | SER TAIL    | 21          | 18 1/2           |
|          | C                     | BO TAIL     | 24          | 13               |

CRIMP TERMINALS IN ACCORDANCE WITH MIL-T-13513

CEMENT WIRES SECURELY TO GROMMET, MUST COMPLY WITH WATERPROOFING REQUIREMENTS OF MIL-STD-1184, TYPE II, CLASS 1, WHEN PROPERLY ASSEMBLED IN LAMP.

FLARE WIRE AND ADD SOLDER TO FORM CONTACT, AS SHOWN. USE - 20 SOLDER Sn50 OR Sn60 IN ACCORDANCE WITH QQ-S-571.

-5 SOCKET AND WIRING ASSEMBLY

This military standard is approved by NAVAL AIR SYSTEMS COMMAND. Departments of the Navy and shall be used by that activity. All other military activities are required to employ this standard where suitable.

P.A.  
NAVY - AS  
Other Cust

## TITLE

STOP LIGHT-TAILLIGHT, VEHICULAR-24 VOLT,  
SERVICE STOP, SERVICE TAIL, BLACKOUT TAIL

MILITARY STANDARD

MS51329(AS)

PROCUREMENT SPECIFICATION  
NONE

## SUPERSEDES:

MS51329

SHEET 8 OF 23

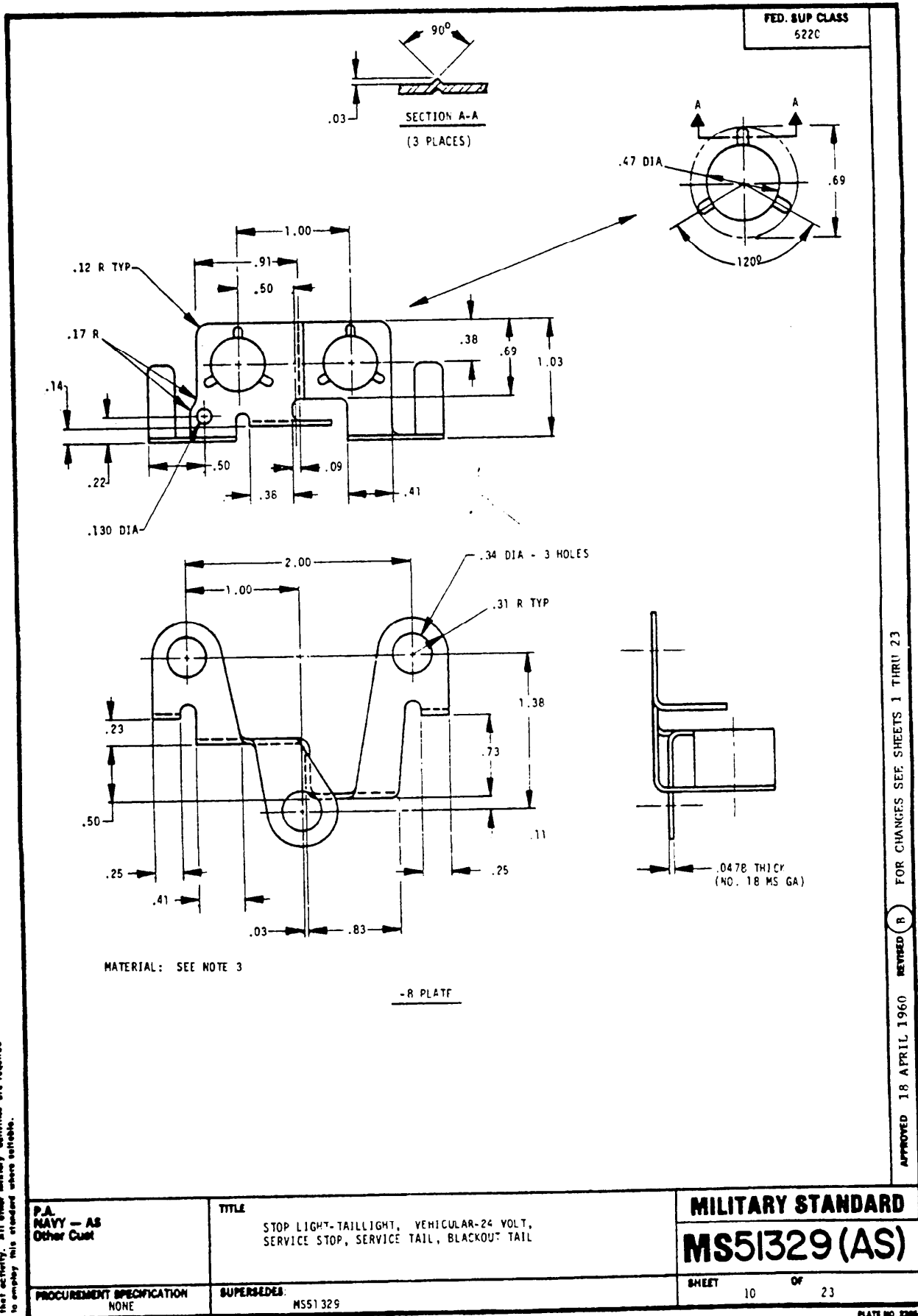
APPROVED 18 APRIL 1960 REVISED B FOR CHANGES SEE SHEETS 1 THRU 23

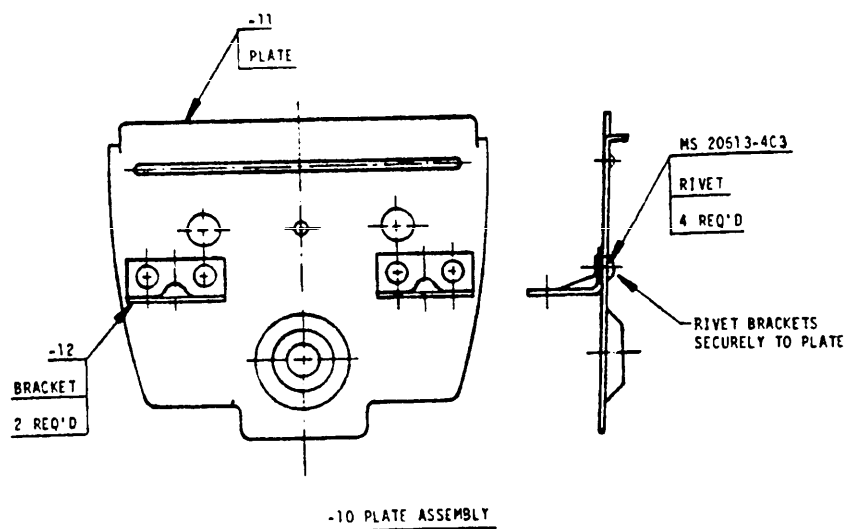
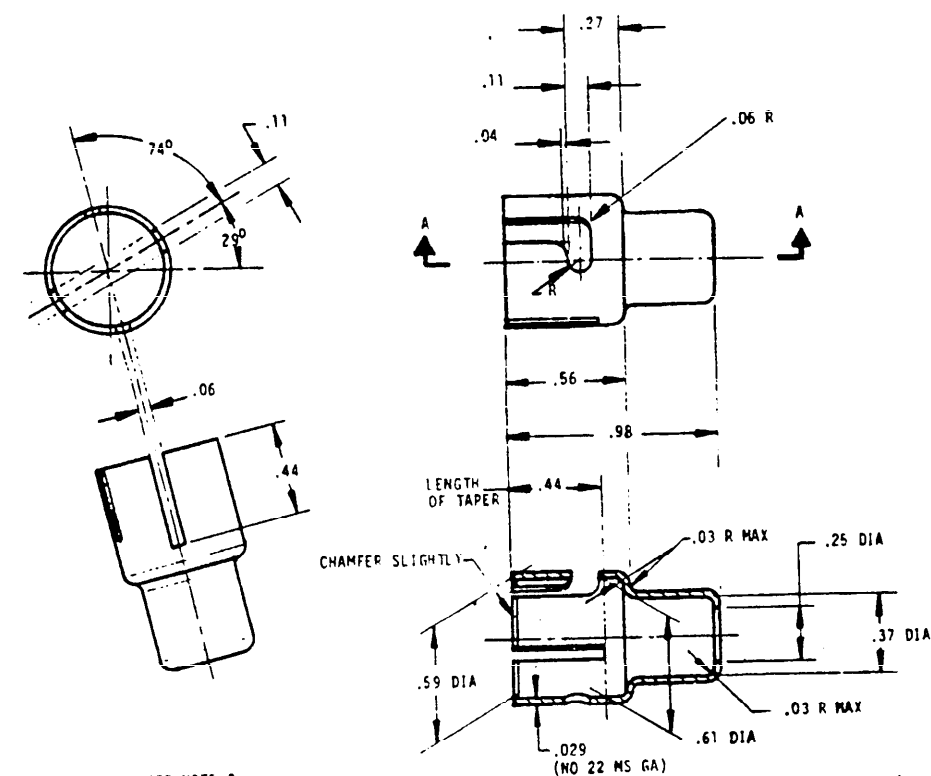


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|                                                                               |                                                                                                            |                                              |
|-------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|----------------------------------------------|
| <p>MS16535-12</p> <p>RIVET</p> <p>RIVET TERMINAL</p> <p>SECURELY TO PLATE</p> |                                                                                                            | <p>FED. SUP CLASS</p> <p>6220</p>            |
|                                                                               |                                                                                                            |                                              |
| <p>-6 SOCKET AND WIRE ASSEMBLY</p>                                            |                                                                                                            |                                              |
|                                                                               |                                                                                                            |                                              |
| <p>FINISH: SEE NOTE 6</p>                                                     |                                                                                                            |                                              |
| <p>-7 PLATE ASSEMBLY</p>                                                      |                                                                                                            |                                              |
| <p>P.A.</p> <p>NAVY - AS</p> <p>Other Cust</p>                                | <p>TITLE</p> <p>STOP LIGHT-TAILLIGHT, VEHICULAR-24 VOLT,<br/>SERVICE STOP, SERVICE TAIL, BLACKOUT TAIL</p> | <p>MILITARY STANDARD</p> <p>MS51329 (AS)</p> |
| <p>PROCUREMENT SPECIFICATION</p> <p>NOTE</p>                                  | <p>SUPERSEDES: MS51329</p>                                                                                 | <p>SHEET 9 OF 23</p>                         |

APPROVED 18 APRIL 1960 REVISED (R) FOR CHANGES SEE SHEETS 1 THRU 23



FED. SUP CLASS  
6220

This military standard is approved by NAVAL AIR SYSTEMS COMMAND, Department of the Navy and shall be used by that activity. All other military activities are required to employ this standard where applicable.

P.A.  
NAVY — AS  
Other Cust

TITLE

STOP LIGHT — TAILLIGHT, VEHICULAR-24 VOLT,  
SERVICE STOP, SERVICE TAIL, BLACKOUT TAIL

MILITARY STANDARD  
MS51329(AS)

PROCUREMENT SPECIFICATION  
NONE

SUPERSEDES:  
MS 51329

SHEET 11 OF 23

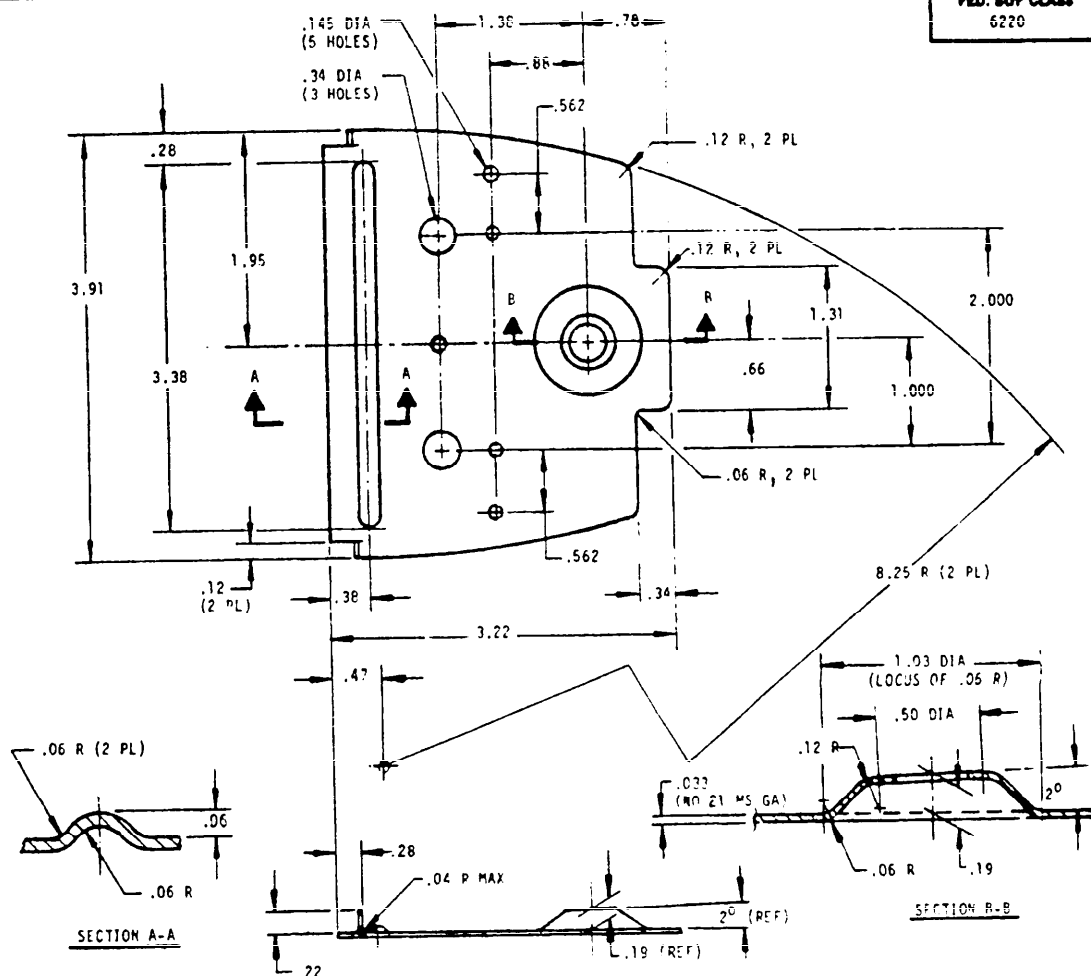
PLATE NO. 23005

DD FORM 1 MAR 72 672-1

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

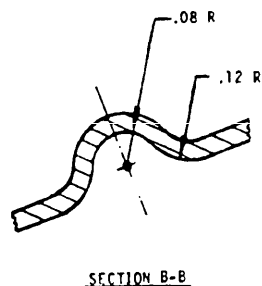
APPROVED 18 APRIL 1960 REVISED (B) FOR CHANGES SEE SHEETS 1 THRU 23

FED. SUP CLASS  
6220

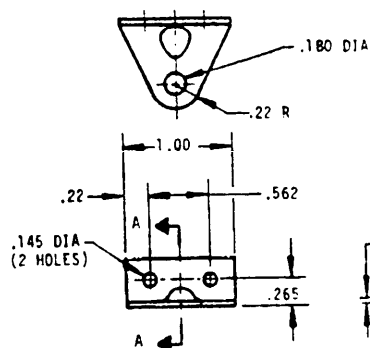


MATERIAL: SEE NOTE 3  
FINISH: SEE NOTE 6

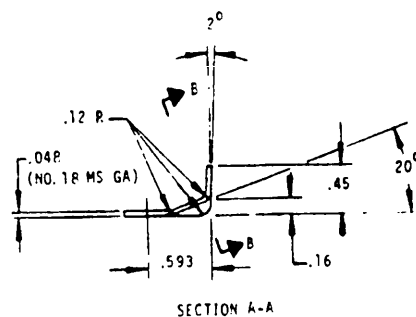
-11 PLATE



MATERIAL: SEE NOTE 3  
FINISH: SEE NOTE 6



-12 BRACKET



**MILITARY STANDARD**  
**MS51329(AS)**

**P.A.  
NAVY — AS  
Other Cust**

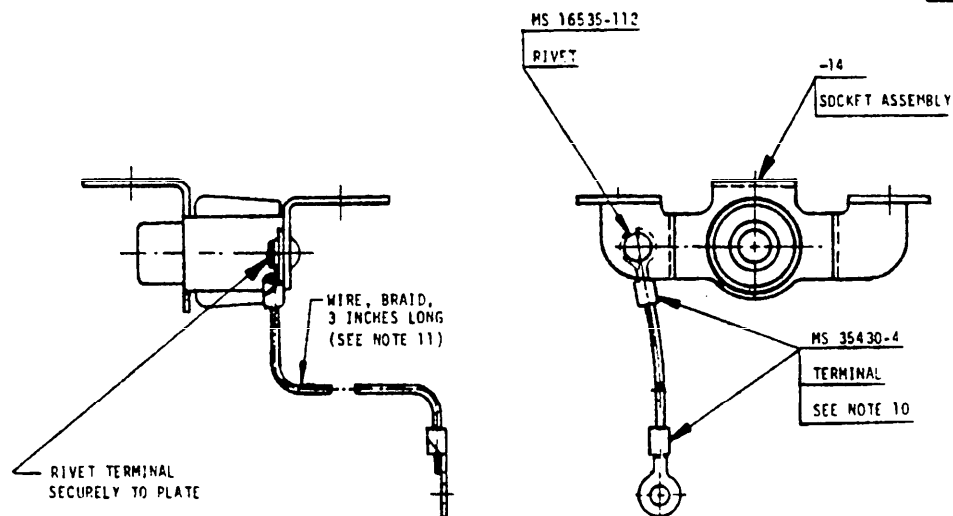
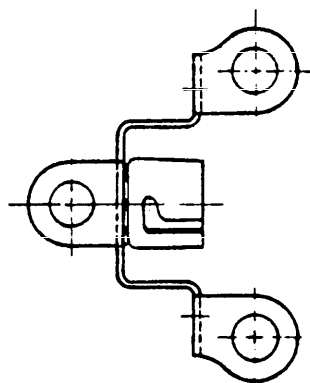
**TITLE**  
STOP LIGHT-TAILLIGHT, VEHICULAR-24 VOLT,  
SERVICE STOP, SERVICE TAIL, BLACKOUT TAIL

PROCUREMENT SPECIFICATION  
NONE

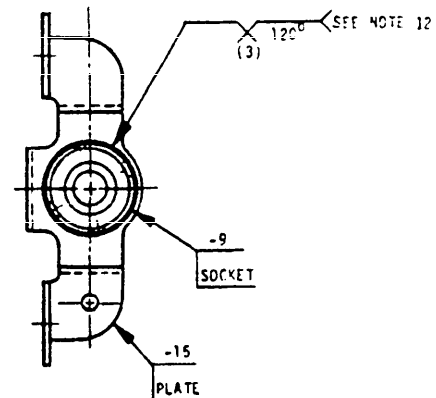
**SUPERSEDED:** MS 51329

SHEET 12 OF 23

APPROVED 18 APRIL 1960 REVISED B FOR CHANGES SEE SHEETS 1 THRU 23

FED. SUP CLASS  
6220-13 SOCKET & WIRE ASSEMBLY

FINISH: SEE NOTE 6

-14 SOCKET ASSEMBLY

This military standard is approved by NAVAL AIR SYSTEMS COMMAND, Department of the Navy and shall be used by that activity. All other military activities are required to employ this standard where suitable.

P.A.  
NAVY - AS  
Other Cust

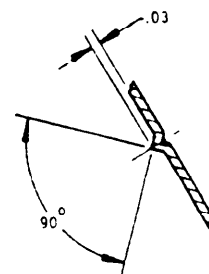
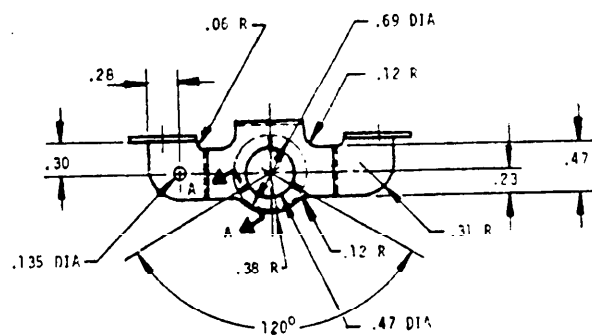
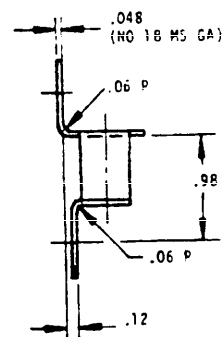
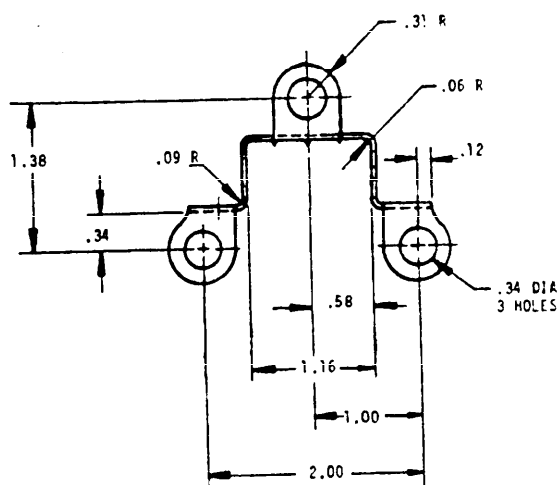
## TITLE

STOP LIGHT - TAILLIGHT, VEHICULAR-24 VOLT,  
SERVICE STOP, SERVICE TAIL, BLACKOUT TAIL

MILITARY STANDARD

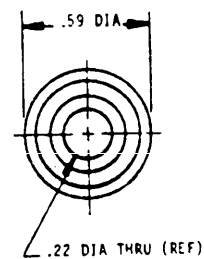
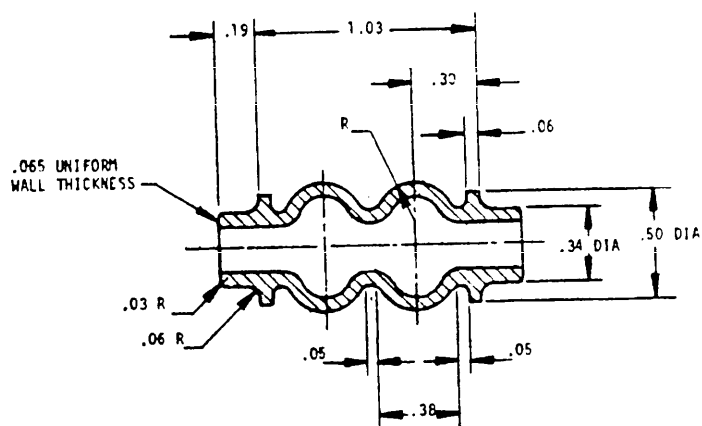
MS51329(AS)

PROCUREMENT SPECIFICATION  
NONESUPERSEDES:  
MS 51329SHEET  
13 OF  
23

FED. SUP CLASS  
6220SECTION A-A  
(3 PLACES)

MATERIAL: SEE NOTE 3

-15 PLATE



MATERIAL: RUBBER IN ACCORDANCE WITH MIL-R-3065, GRADE RW/RS 415 BC, OF

-16 ISOLATOR

This military standard is approved by MIL-STD-883C, AIR SYSTEMS COMBINE, Department of the Navy and shall be used by that activity. All other military activities are required to employ this standard where applicable.

P.A.  
NAVY - AS  
Other Cuit

## TITLE

STOP LIGHT-TAILLIGHT, VEHICULAR-24 VOL\*  
SERVICE STOP, SERVICE TAIL, BLACKOUT TAIL

MILITARY STANDARD

MS51329 (AS)

PROCUREMENT SPECIFICATION  
NONE

## SUPERSEDES

MS 51329

SHEET

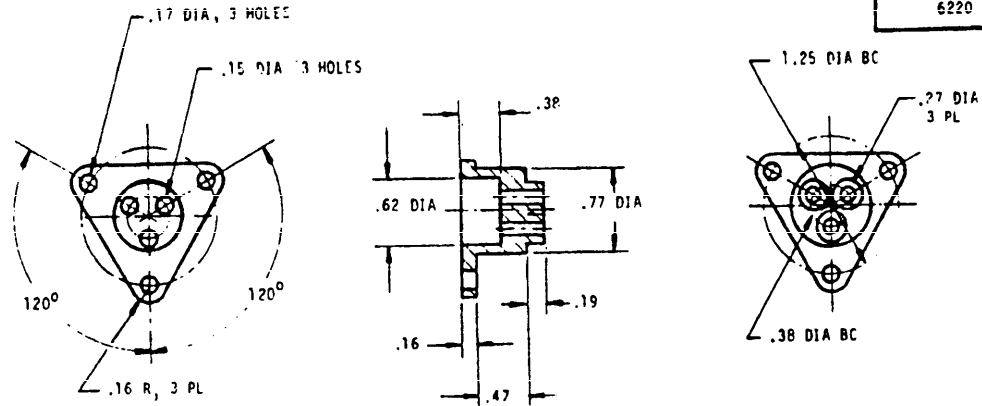
14 OF 23

DD FORM 1 MAY 78 672-1

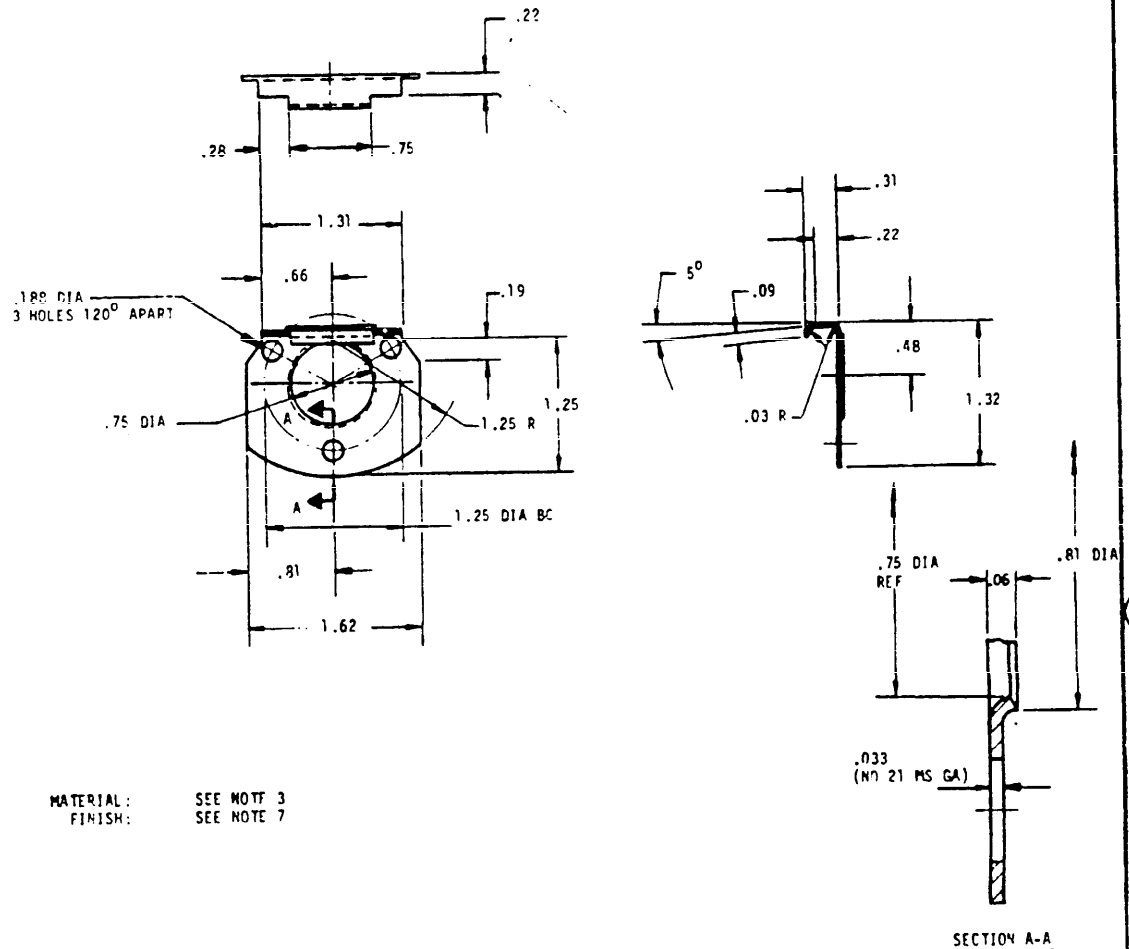
FEDERAL EDITIONS OF THIS FORM ARE OBSOLETE.

PLATE NO. 52045

APPROVED 18 APRIL 1960 REVISED B FOR CHANGES SEE SHEETS 1 THRU 23

FED. SUP CLASS  
6220

MATERIAL: RUBBER IN ACCORDANCE WITH MIL-R-3065, GRADE SC-615A, R, C, F.

-17 GROMMETMATERIAL: SEE NOTE 3  
FINISH: SEE NOTE 7-1A PLATESECTION A-A

This military standard is approved by NAVAL AIR SYSTEMS COMMAND, Department of the Navy and shall be used by that activity. All other military activities are required to employ this standard where suitable.

P.A.  
NAVY — AS  
Other Cust

TITLE

STOP LIGHT - TAILLIGHT, VEHICULAR-24 VOLT  
SERVICE STOP, SERVICE TAIL, BLACKOUT TAIL

MILITARY STANDARD

MS51329 (AS)

PROCUREMENT SPECIFICATION  
NONE

SUPERSEDES:

MS 51329

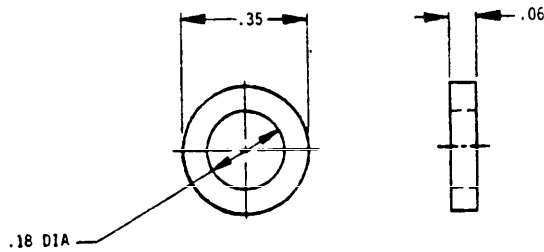
SHEET 15 OF 23

DD FORM 672-1

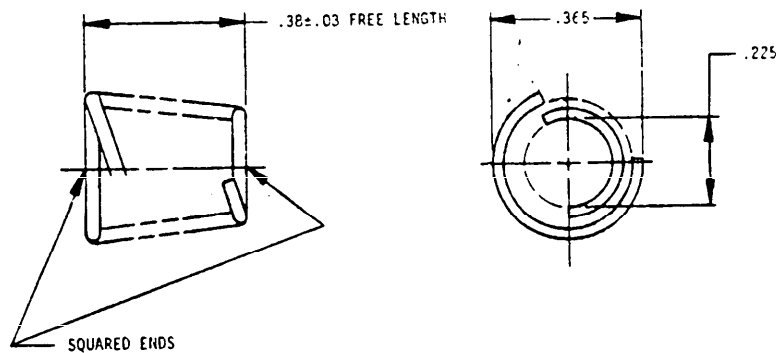
PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

PLATE NO. 62400

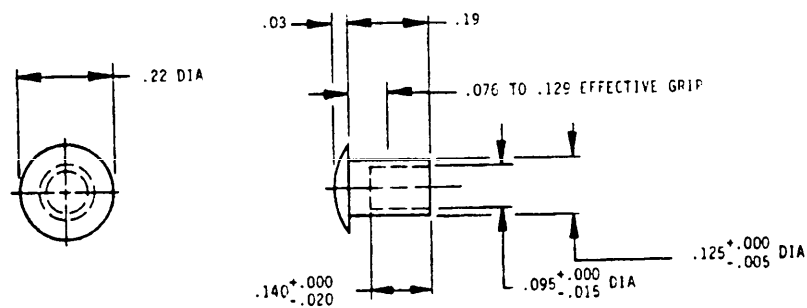
APPROVED 18 APRIL 1960 REVISED B FOR CHANGES SEE SHEETS 1 THRU 23

FED. SUP CLASS  
6220

MATERIAL: PLASTIC, SHEET, THERMOSETTING IN ACCORDANCE WITH L-P-513  
TYPE PBE-P, FINISH OPTIONAL

-19 WASHER

MATERIAL: WIRE, STEEL, MUSIC IN ACCORDANCE WITH QQ-W-470, .0317, NO. 21, W & M GA DIA.  
FINISH: SEE NOTE 7

-21 SPRING

MATERIAL: SEE NOTE 4

-22 RIVETAPPROVED 18 APRIL 1960  
REVIEWED B FOR CHANGES SEE SHEETS 1 THRU 23

This military standard is approved by NAVAL AIR SYSTEMS COMMAND,  
Department of the Navy and shall be used by  
that activity. All other military activities are required  
to employ this standard where applicable.

P.A.  
NAVY - AS  
Other Cust

TITLE

STOP LIGHT-TAILLIGHT, VEHICULAR-24 VOLT,  
SERVICE STOP, SERVICE TAIL, BLACKOUT TAIL

MILITARY STANDARD

MS51329(AS)

PROCUREMENT SPECIFICATION  
NONE

SUPERSEDES:

MS51329

SHEET 16 OF 23

DD FORM 672-1

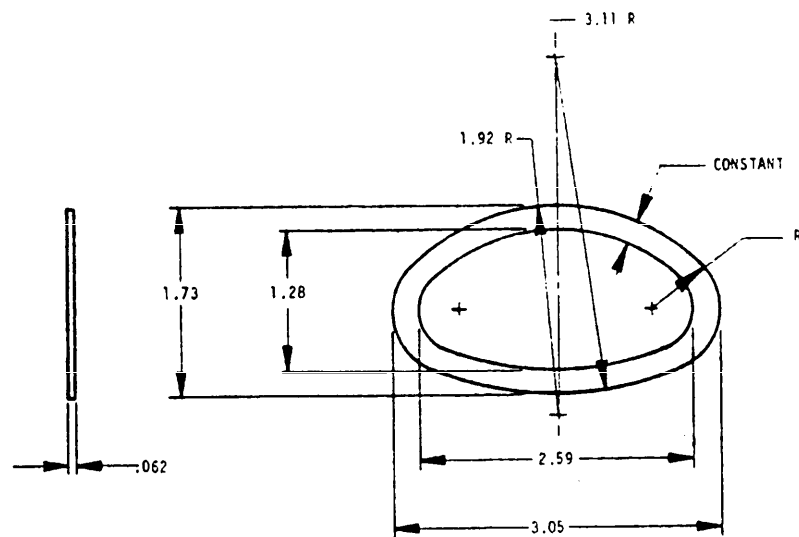
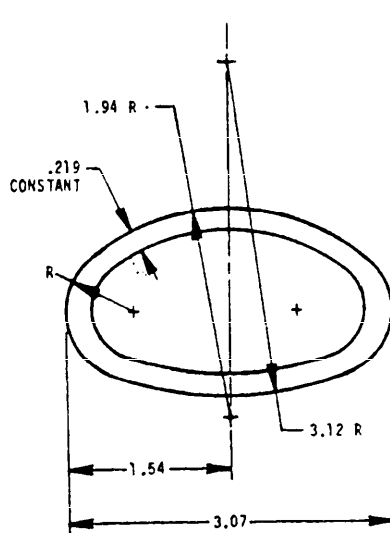
PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

PLATE NO. 0000

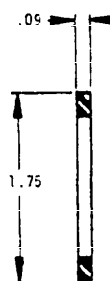


This military standard is approved by NAVAL AIR SYSTEMS COMMAND, Department of the Navy and shall be used by that activity. All other military activities are required to employ this standard where suitable.

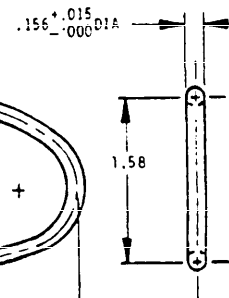
|                                          |  |                                                                                                                                                     |  |
|------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------|--|
|                                          |  | FED. SUP CLASS<br>- 6220                                                                                                                            |  |
|                                          |  | <p>CLINCH SECURELY AS SHOWN IN ACCORDANCE WITH MIL-STD-1184, TEST A.</p> <p>- 23 DOOR ASSEMBLY (RED LENS)</p> <p>- 24 DOOR ASSEMBLY (BLUE LENS)</p> |  |
| <p>P.A. NAVY - AS<br/>Other Cust</p>     |  | <p>TITLE<br/>STOP LIGHT-TAILLIGHT, VEHICULAR-24 VOLT,<br/>SERVICE STOP, SERVICE TAIL, BLACKOUT TAIL</p>                                             |  |
| <p>PROUREMENT SPECIFICATION<br/>NONE</p> |  | <p>SUPERSEDES.<br/>MS51329</p>                                                                                                                      |  |
|                                          |  | <p>MILITARY STANDARD<br/>MS51329(AS)</p>                                                                                                            |  |
|                                          |  | <p>SHEET 17 OF 23</p>                                                                                                                               |  |

FED. SUP CLASS  
6220MATERIAL: SEE NOTE 3  
FINISH: SEE NOTE 6-25 CLINCH PLATE

MATERIAL: SEE NOTE 2

-26 GASKET

MATERIAL: SEE NOTE 2

-27 GASKET

This military standard is approved by MILVAP and SYSTEMS COMMAND, Department of the Navy and shall be used by that authority. All other military activities are required to employ this standard where suitable.

P.A.  
NAVY — AS  
Other Cust

TITLE

STOP LIGHT-TAILLIGHT, VEHICULAR-24 VOLT,  
SERVICE STOP, SERVICE TAIL, BLACKOUT TAILPROCUREMENT SPECIFICATION  
NONE

SUPERSEDES:

MS51329

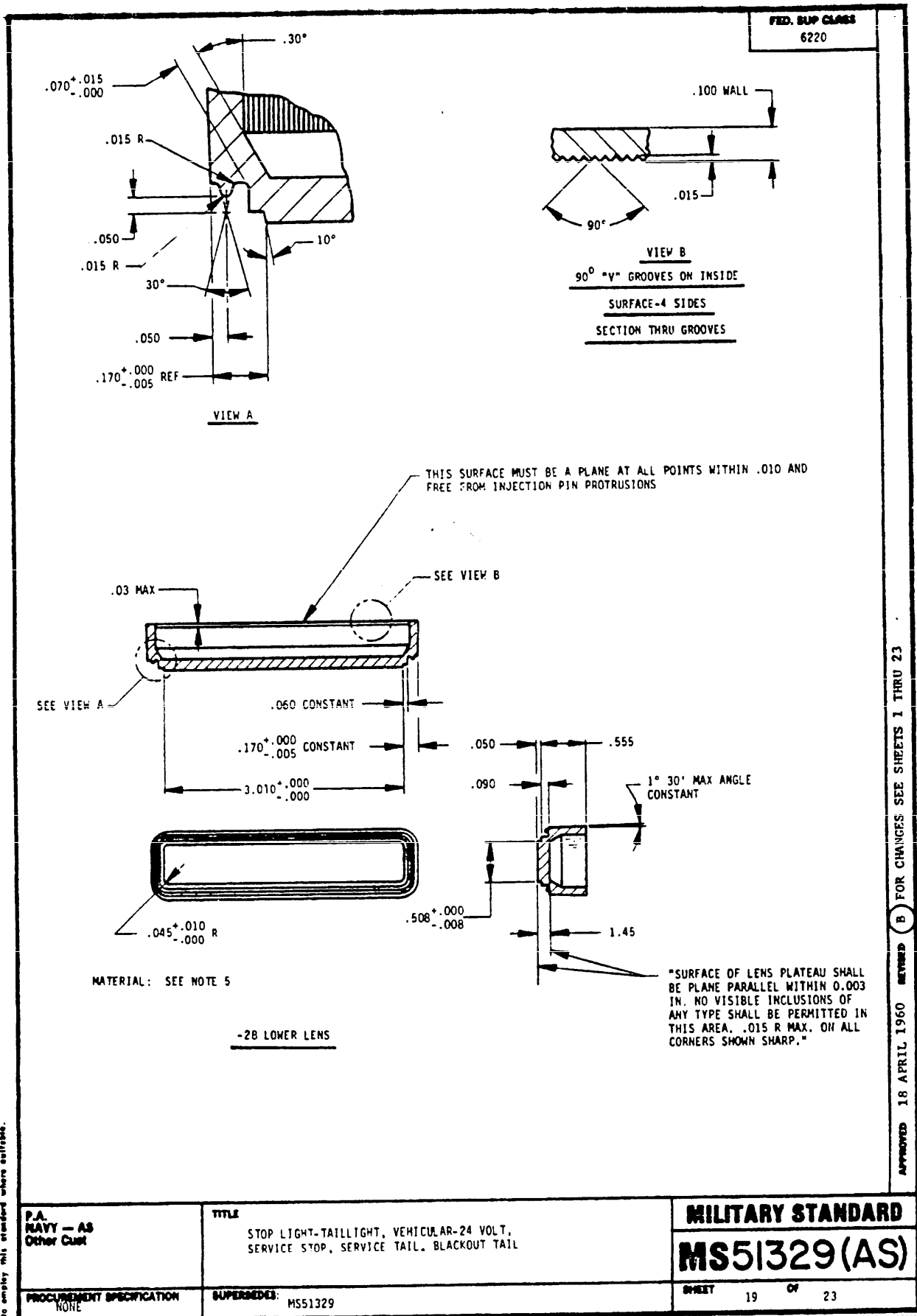
MILITARY STANDARD

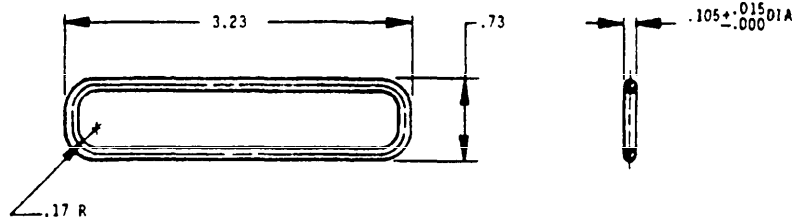
MS51329(AS)

SHEET 18 OF 23

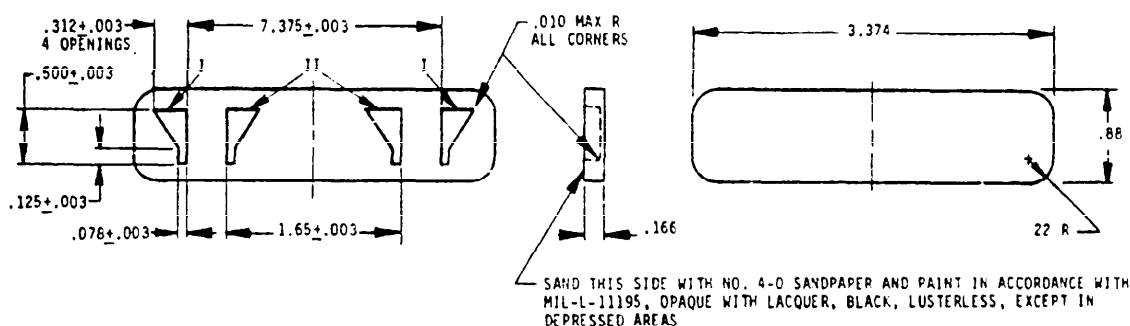
APPROVED 18 APRIL 1960 REVISED R FOR CHANGES SEE SHEETS 1 THRU 23

This military standard is approved by NAVAL AIR SYSTEMS COMMAND, Department of the Navy and shall be used by that activity. All other military activities are required to employ this standard where applicable.



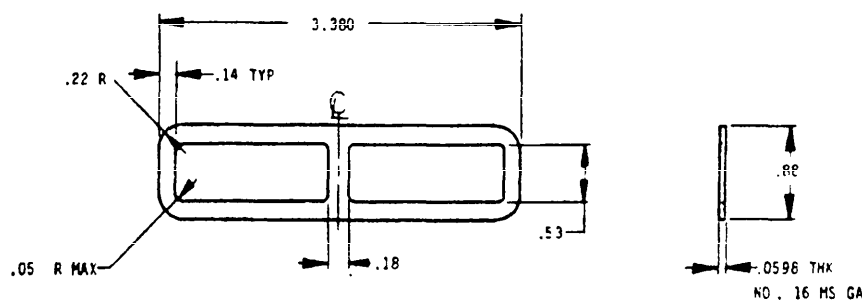
FED. SUP CLASS  
5220

MATERIAL: SEE NOTE 2

-29 GASKET, LENS SEAL

AREAS II TO BE RECESSED APPROX .116. AREAS I TO BE RECESSED EXACTLY .009 DEEPER THAN AREAS II.

WALL THICKNESS AT AREAS II IS APPROX .055 - MOLD TO BE ADJUSTABLE SO THAT WALL THICKNESS AT DEPRESSIONS CAN BE VARIED TO BE DETERMINED BY ENGINEERING DEPARTMENT

MUST BE SYMMETRICAL ABOUT VERTICAL  $\epsilon$  WITHIN .005.MATERIAL: PLASTIC MOLDING MATERIAL, CELLULOSE ACETATE BUTYRATE IN ACCORDANCE WITH L-P-349, TYPE OPTIONAL, CLASS H2, TRISTIMULUS VALUES FOR TENNESSEE EASTMAN CO. COLOR NO. 18029 - RED - FOR ILLUMINANT "C" WITH THE SPECULAR COMPONENT REMOVED, OBTAINED FROM PIECES PRESSED .075 THICKNESS  $x=3.55$ ,  $y=1.30$ ,  $z=.002$ -30 RED FILTERMUST BE SYMMETRICAL ABOUT VERTICAL  $\epsilon$  WITHIN .010.

MATERIAL: SEE NOTE 3

FINISH: SEE NOTE 6

-31 PLATE CLUTCH

This military standard is approved by NAVAL AIR SYSTEMS COMMAND, Department of the Navy and shall be used by Department of the Navy activities. All other military activities are required to employ this standard where applicable.

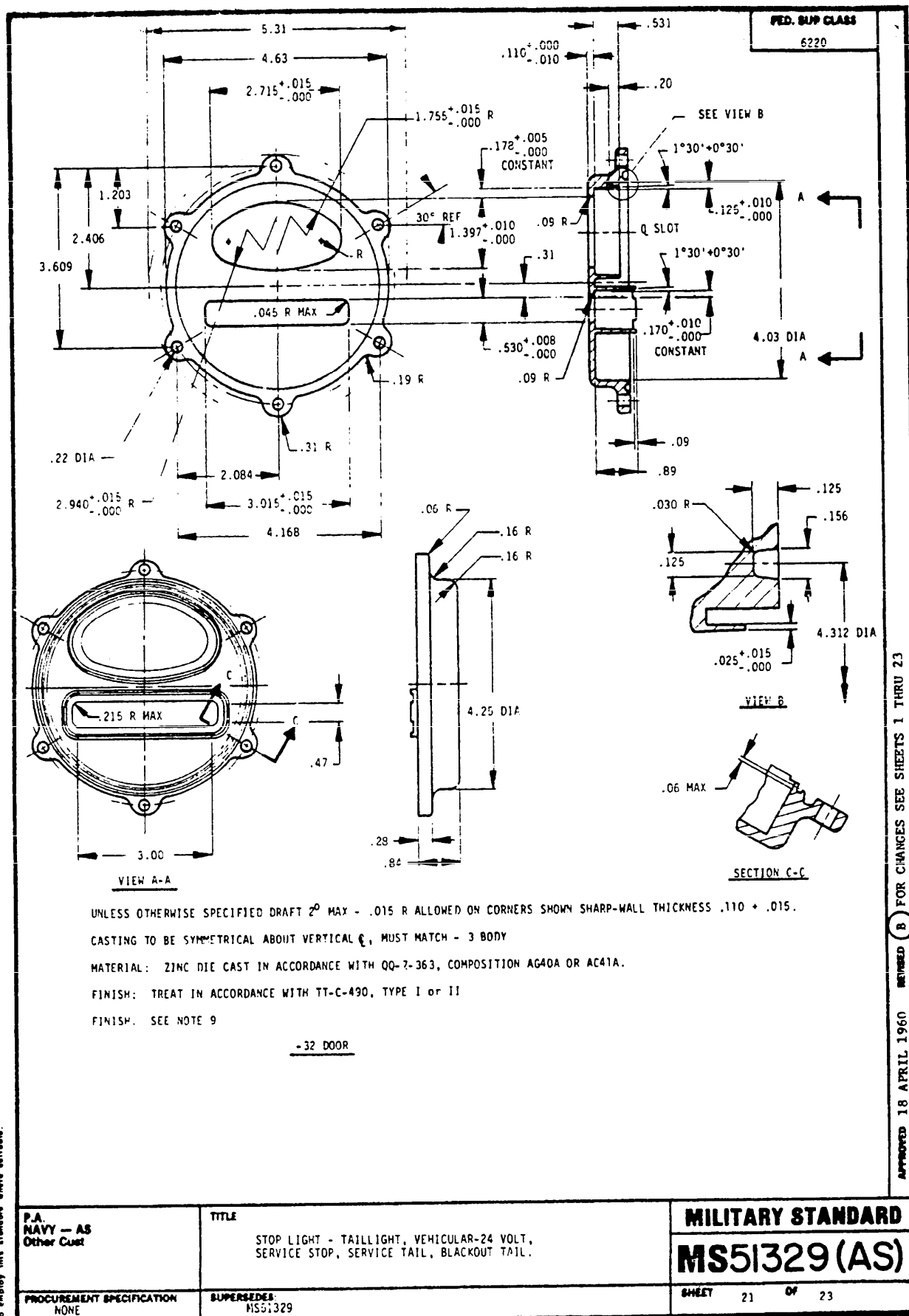
|                                   |                                                                                                       |                   |          |
|-----------------------------------|-------------------------------------------------------------------------------------------------------|-------------------|----------|
| P.A.<br>NAVY - AS<br>Other Cust   | TITLE<br><br>STOP LIGHT - TAILLIGHT, VEHICULAR-24 VOLT,<br>SERVICE STOP, SERVICE TAIL, BLACKOUT TAIL. | MILITARY STANDARD |          |
|                                   |                                                                                                       | MS51329 (AS)      |          |
| PROCUREMENT SPECIFICATION<br>NONE | SUPERSEDES:<br>MS 51329                                                                               | SHEET<br>20       | OF<br>23 |

DD FORM 1 MAR 72 672-1

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

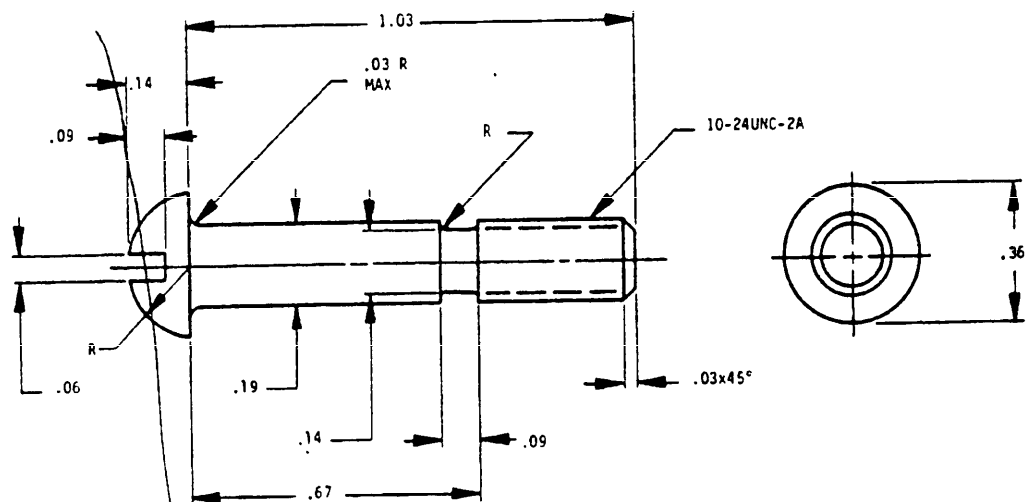
PLATE NO. 23098

APPROVED 18 APRIL 1960 REVISED B FOR CHANGES SEE SHEETS 1 THRU 23



This military standard is approved by NAVAL AIR SYSTEMS COMMAND, Department of the Navy and shall be used by that activity. All other military activities are required to employ this standard where applicable.

APPROVED 18 APRIL 1960 **R** FOR CHANGES SEE SHEETS 1 THRU 23  
REVISED

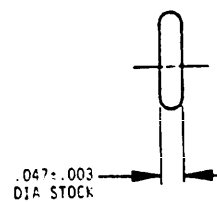
FED. SUP CLASS  
6220

MATERIAL: SCREW, CAP, SLOTTED CORROSION RESISTING STEEL IN ACCORDANCE WITH FF-S-B5

OPTIONAL MATERIAL: SEE NOTE 4

FINISH: SEE NOTE 8

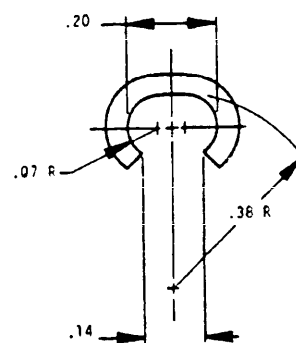
-35 SCREW



MATERIAL: SEE NOTE 4

FINISH: SEE NOTE 8

-36 RING



This military standard is approved by NAVAL AIR SYSTEMS COMMAND, Department of the Navy and shall be used by that activity. All other military activities are required to employ this standard where suitable.

P.A.  
NAVY -- AS  
Other Cust

TITLE

STOP LIGHT-TAILLIGHT, VEHICULAR-24 VOLT,  
SERVICE STOP, SERVICE TAIL, BLACKOUT TAIL

MILITARY STANDARD

MS51329 (AS)

PROCUREMENT SPECIFICATION  
NONESUPERSEDES:  
MS51329SHEET OF  
23 23

DD FORM 1 MAR 72 672-1

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

PLATE NO. 23000

APPROVED 18 APRIL 1960 REVISED (B) FOR CHANGES SEE SHEETS 1 THRU 23