

MIL-L-7082D

2 JANUARY 1969

Superseding

MIL-L-7082C

11 December 1962

MILITARY SPECIFICATION

LIGHT, RUNWAY MARKER, ELEVATED, TYPE M-1

This specification is mandatory for use by all Departments and Agencies of the Department of Defense.

1. SCOPE

1.1 Scope. - This specification covers one type of elevated runway marker light, designated type M-1.

1.2 Classification. - Runway marker lights shall be of the following classes, as specified (see 6.2):

Class A - For permanent and portable applications at normal temperatures

Class B - For portable applications at extreme low temperatures
(see 6.2)

2. APPLICABLE DOCUMENTS

2.1 The following documents of the issue in effect on date of invitation for bids or request for proposal, form a part of this specification to the extent specified herein:

SPECIFICATIONS

Federal

J-C-580	Cord, Flexible, and Wire Fixture (Electrical 0- to 600-Volt Service)
QQ-P-416	Plating, Cadmium (Electrodeposited)
PPP-B-576	Boxes, Wood, Cleated, Veneer, Paper Overlaid
PPP-B-591	Boxes, Fiberboard, Wood-Cleated
PPP-B-636	Box, Fiberboard
PPP-B-640	Boxes, Fiberboard, Corrugated, Triple-Wall

FS: 6210

Military

MIL-P-116	Preservation, Methods of
MIL-C-3432	Cable and Wire, Electrical (Power and Control, Flexible and Extra Flexible, 300 and 600 Volts)
MIL-C-5541	Chemical Films and Chemical Film Materials for Aluminum and Aluminum Alloys
MIL-C-7989	Covers, Light-transmitting, for Aeronautical Lights, General Specification for
MIL-A-8625	Anodic Coatings, for Aluminum and Aluminum Alloys
MIL-C-25050	Colors, Aeronautical Lights and Lighting Equipment, General Requirements for

STANDARDS

Federal

FED. STD. NO. 595 Colors

Military

MIL-STD-100	Engineering Drawings Practices
MIL-STD-129	Marking for Shipment and Storage
MIL-STD-130	Identification Marking of US Military Property
MIL-STD-143	Specifications and Standards, Order of Precedence for the Selection of
MIL-STD-831	Test Reports, Preparation of
MS25012	Lamp - Incandescent, T-10 Bulb, Medium Prefocus Base
MS27037	Clamp Assembly - Medium Intensity Runway Light

(Copies of specifications, standards, drawings, and publications required by suppliers in connection with specific procurement functions should be obtained from the procuring activity or as directed by the contracting officer.)

2.2 Other publications. - The following documents form a part of this specification to the extent specified herein. Unless otherwise indicated, the issue in effect on date of invitation for bids or request for proposal, shall apply.

Federal Aviation Administration

L-823 Plug and Receptacle Cable Connectors

(Copies may be obtained from the Federal Aviation Administration, 800 Independence Avenue, S.W., Washington, D.C. 20590.)

National Bureau of Standards

Handbook H28 Screw-Thread Standards for Federal Services

(Copies may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D.C. 20402.)

Uniform Classification Committee

Uniform Freight Classification Rules

(Application for copies of the above publication should be addressed to the Uniform Classification Committee, 202 Chicago Union Station, Chicago, Ill. 60606.)

3. REQUIREMENTS

3.1 Qualification. - The light furnished under this specification shall be a product which is qualified for listing on the applicable Qualified Products List at the time set for opening of bids (see 4.3 and 6.3).

3.2 Components. - Unless otherwise specified, the light shall consist of the following major components:

<u>Item No.</u>	<u>Quantity</u>	<u>Item name</u>	<u>See requirement</u>
1	1	Lens	3.6.1
2	1	Fixture assembly	3.6.2
3	1	Cone	3.6.3
4	1	Clamp assembly	3.6.4

3.3 Selection of specifications and standards. - Specifications and standards for necessary commodities and services not specified herein shall be selected in accordance with MIL-STD-143.

3.4 Design and construction. - The light shall be designed to utilize a lamp conforming to MS25012.

3.4.1 Reliability. - The light shall be designed and constructed as specified herein and to successfully complete the tests of 4.3 with no failures which will prevent satisfactory performance.

3.4.2 Maintainability. - The light shall be designed and constructed as specified herein and to provide the following:

- (a) Minimum number of parts consistent with reliability and performance specified herein.
- (b) Minimum amount of training and time necessary for assembly, disassembly, location of trouble sources, and maintenance including servicing.
- (c) Permit maintenance with general-purpose tools and equipment normally available commercially. Use of special-purpose tools and equipment shall be subject to approval by the procuring activity.

- (d) Permit adjustments, servicing, replacement of parts and components, and other maintenance with minimum disturbance to other equipment parts or components. Parts and components shall be located for ample and rapid access unless performance or reliability will be appreciably degraded by the accessible location.
- (e) Minimum number of tools required for maintenance by design practices such as reducing the number of different bolt head sizes to the practicable minimum.

3.5 Performance. - The light shall be capable of continuous outdoor service under all weather conditions.

3.6 Details of components. -

3.6.1 Lens. - Each lens shall consist of glass conforming to MIL-C-7989, class B or C. The lens shall be in accordance with figure 1. To insure proper orientation and alignment, asymmetrical lenses shall have markings as shown on figure 1 permanently molded on the top.

3.6.1.1 Color. - The color of the lens shall be aviation white, green, red, or blue, as specified (see 6.2). The colors shall be in accordance with MIL-C-25050, type I.

3.6.1.2 Light distribution. - Each lens shall be so designed that when the lens is installed in a fixture in accordance with figure 2, and used with the MS25012 lamp operated at or corrected to 740 lumens, the light distribution will be as follows.

3.6.1.2.1 White lens. - The white lens shall have an asymmetric distribution which equals or exceeds the minimum values shown on figures 3 and 4, and as specified herein, and not exceed the maximum value shown on figure 3. On the off-runway side, at all vertical angles between horizontal angles 83 degrees and 277 degrees, the minimum allowable value shall be 6 candle power (cp), or the value determined by figure 4, whichever is greater. On the runway side, at all vertical angles between horizontal angles 277 degrees and 83 degrees, the minimum allowable value shall be 3 cp, or the value determined by figure 4, whichever is greater. The maximum value shall apply throughout a vertical angle of 0 degrees to 15 degrees above the horizontal. The toe-in and shielding, if required, shall be incorporated in the lens design. If paint is used for shielding, it shall be of a type which will not be affected by outdoor operation of the assembly.

3.6.1.2.2 Green lens. - The green lens shall comply with the requirements for the white lens, except that all minimum values will be reduced by multiplying by 0.20.

3.6.1.2.3 Red lens. - The red lens shall have a symmetric distribution which equals or exceeds the minimum values shown on figure 5.

3.6.1.2.4 Blue lens. - The blue lens shall have a symmetric distribution which equals or exceeds the minimum values shown on figure 6.

3.6.2 Fixture assembly. - The fixture assembly shall consist of a clamping ring, socket, housing, and cord (cable) in accordance with figure 2. The metal parts of the fixture assembly shall be fabricated from stampings made of corrosion-resistant sheet metal or sheet steel. After fabrication, steel parts shall be treated for corrosion resistance by plating.

3.6.2.1 Clamping ring. - The clamping ring shall consist of a ring designed to clamp the lens, housing, and cone securely together, allow for quick rotation of the lens through 180 degrees, and permit easy removal of the lens for relamping purposes. The clamping ring shall hold the lens and housing securely when the cone is omitted. The clamp shall be of a type which will permit removal of the ring without the aid of a screwdriver or other tools. The ring shall be so designed that it may be used with lenses which have a diameter at the filament center which is greater than that of the flange. The ring shall be of the flexible type. A hinged, two-section, rigid-type ring will not be acceptable.

3.6.2.2 Socket. - The socket shall be a highgrade commercial 1,000W, 250V, medium prefocus socket. The metal parts shall be of nonferrous corrosion-resisting metal. The socket design shall be such as to accurately place and hold the light center of the lamp included on MS25012 on the socket axes, with a maximum displacement of 1/16 inch. The top of the lamp base fins shall be held in a plane 1.843 ± 0.015 inch above the bottom of the socket. The bottom of the socket shall be provided with two floating threaded inserts to accommodate size 4-36 screws, with centers located at the intersection of a circle 0.95 ± 0.020 inch in diameter and a centerline 72 degrees counterclockwise (when looking down into the socket) from the centerline through the lamp base fins. The bottom of the socket shall also have two holes 5/32 inch in diameter, with centers located at the intersection of a circle 0.815 ± 0.015 inch in diameter and a centerline 45 degrees clockwise (when looking down into the socket) from the centerline through the lamp base fins.

3.6.2.2.1 The socket shall be so positioned with respect to the lens as to locate the height of the light center length of the specified lamp as shown on figure 1 and to locate the plane of the lamp filament as shown on figure 2, with the narrow fin on the runway side.

3.6.2.2.2 The socket shall be capable of accommodating lamps having the maximum and minimum base dimensions permitted for the specified lamp.

3.6.2.3 Housing. - The housing shall be in accordance with figure 2 and shall be designed to accurately position the lens and lamp. Drainage holes shall be provided for removal of condensate and water leaking in around the lens. Two indexing indentations shall be located on the housing to engage the slots in the mounting flange on the lens as shown on figure 2. The indentations shall be of sufficient size to limit the rotation of the lens to not more than 2 degrees, and the design shall be such that freedom of motion of the lens is reduced to the minimum consistent with lens tolerances. A rubber or synthetic-rubber heat resistant gasket, not more than 1/16 inch in thickness, shall be cemented to the

housing under the lens. Three knockouts shall be provided to permit installation of a column adapter at a later date by means of three No. 10-32 screws. A rubber or synthetic-rubber grommet shall be installed in the opening through which the cord enters the housing. "TAXIWAY SIDE" shall be marked on the inside of the housing and positioned so that it corresponds with the narrow fin side of the lamp when it is installed in the socket.

3.6.2.4 Cord. - For class A fixtures, a length of 2-conductor, No. 16 AWG, type SJO or SO cord conforming to J-C-580 shall be connected to the bottom of the socket. No portion of the cord shall extend up beside the socket where it would be exposed to excessive temperatures. A 2-pole, 600V, 20-amp plug, in accordance with figure 1a of FAA Specification L-823 shall be molded on the lower end of the cord. The length of the cord shall be such that when hanging freely, the distance between the bottom of the assembly and the face of the plug will be 20 $\pm$ 1 inches. Provision shall be made to insure that the cord cannot be pushed up into the assembly to extend up beside the socket.

3.6.2.4.1 For class B fixtures, the cable shall conform to MIL-C-3432 as specified for low temperature, heavy duty type, EO-02HLF(2/16)0405. The plug shall be in accordance with figure 1a of L-823 and shall be fabricated of low temperature material in accordance with MIL-C-3432.

3.6.3 Cone. - The cone shall be without seams, spun or stamped from sheet aluminum stock not thinner than 0.037 inch, and shall be in accordance with figure 7. The cone shall be painted yellow, color 13538, conforming to Federal Standard No. 595. The top surface of the cone shall be provided with two indexing indentations spaced 180 degrees apart which will fit into the indentations on the lens housing. The inside of the cone need not be painted if the sheet aluminum utilized has been finished or treated to resist corrosion (see 6.2)

3.6.4 Clamp assembly - The clamp assembly shall conform to the dimensions specified on MS27037. The assembly shall be cast in one piece from aluminum alloy and shall not exceed 1 pound in weight. The assembly shall not contain any exposed sharp edges or corners and shall be painted yellow, color No. 13538, conforming to Federal Standard No. 595 (see 6.2).

3.7 Part numbering of interchangeable parts. - All parts having the same manufacturer's part number shall be functionally and dimensionally interchangeable. The item identification and part numbering requirements of MIL-STD-100 shall govern the manufacturer's part numbers and changes thereto.

3.8 Screw threads. - Unless otherwise specified, the threads of all machine screws 0.060 inch or larger in diameter shall conform to Handbook H28.

3.9 Finishes and protective coatings. -

3.9.1 Aluminum alloy parts. - Aluminum alloy parts shall be covered with an anodic film conforming to MIL-A-8625, except as follows.

3.9.1.1 Small holes and case inserts need not be anodized.

3.9.1.2 Aluminum alloys which do not anodize satisfactorily shall be coated with a chemical film in accordance with MIL-C-5541.

3.9.1.3 Where the primary purpose of the treatment is to afford a suitable paint base, chemical treatments in accordance with MIL-C-5541 may be used in lieu of anodizing.

3.9.1.4 Castings containing nonaluminum alloy integral inserts may be treated with a chemical film in accordance with MIL-C-5541 in lieu of anodizing.

3.9.1.5 When abrasion resistance is a factor, chemical films in accordance with MIL-C-5541 shall not be used in lieu of anodizing.

3.9.2 Steel parts. - Steel parts shall be cadmium plated, where practicable, in accordance with QQ-P-416, type II or III, and of a class that is adequate to achieve the degree of protection required.

3.10 Identification of product. - Equipment, assemblies, and parts shall be marked for identification in accordance with MIL-STD-130.

3.11 Workmanship. - The light, including all parts and accessories, shall be constructed and finished in a thoroughly workmanlike manner. Particular attention shall be given to neatness and thoroughness of soldering, wiring, marking of parts and assemblies, painting, riveting, machine-screw assemblies, and freedom of parts from burrs and sharp edges.

3.11.1 Dimensions. - Dimensions and tolerances not specified, shall be as close as is consistent with the best shop practices. Where dimensions and tolerances may affect the interchangeability, operation, or performance of the lamp assembly, they shall be held or limited accordingly.

3.11.2 Cleaning. - The light shall be thoroughly cleaned of loose, spattered, or excess solder, metal chips, and other foreign material after final assembly. Burrs and sharp edges, as well as resin flash that may crumble, shall be removed.

4. QUALITY ASSURANCE PROVISIONS

4.1 Responsibility for inspection. - Unless otherwise specified in the contract or purchase order, the supplier is responsible for the performance of all inspection requirements as specified herein. Except as otherwise specified in the contract or order, the supplier may use his own or any other facilities suitable for the performance of the inspection requirements specified herein, unless disapproved by the Government. The Government reserves the right to perform any of the inspections set forth in the specification where such inspections are deemed necessary to assure supplies and services conform to prescribed requirements.

4.2 Classification of inspections. - The inspection and testing of the light shall be classified as follows:

- (a) Qualification inspection (4.3)
- (b) Quality conformance inspection (4.4)

4.3 Qualification inspection. - Qualification inspection shall consist of all inspections specified in 4.5.

4.3.1 Qualification inspection samples. - The qualification inspection samples of each component shall consist of the applicable item in the quantities specified: 2 lenses, 1 fixture assembly, 1 cone, and 1 clamp assembly.

4.3.2 Test report. - After completion of the qualification tests, a test report shall be prepared in accordance with MIL-STD-831 and three complete copies of the report furnished to the procuring activity.

4.3.2.1 Reliability and maintainability information. - The following information shall be submitted as an attachment accompanying the above report (same quantity and type of copies) or shall be included as part of that report:

- (a) All failures, maintenance, and other events recorded shall be identified by accumulated operating time, miles, cycles, or position in the test procedure as appropriate. Test conditions during the failures or irregular operations identified shall be recorded.
- (b) Description of the engineering reasoning and of any tests conducted to determine assignable causes for all failures and irregular operations identified.
- (c) Description of the engineering reasoning behind any corrections made, to be made on production items, or proposed to be made, and behind the predicted effectiveness of those corrections.
- (d) Test activity or contractor comments on item features or requirements that, if modified, should improve the item.
- (e) Test activity or contractor comments on field conditions or procedures to be avoided or cultivated to increase the item's reliability and useful life.
- (f) Indication of the manhours required for each maintenance and servicing action during the tests. A brief description of the qualifications and experience of the personnel involved shall be included and shall be adequate to allow comparison to the personnel anticipated in similar field work.

4.4 Quality conformance inspection. - Quality conformance inspection shall consist of the individual tests.

4.4.1 Individual tests. - Each light shall be subjected to the following:

- (a) Examination of product (4.5.1)
- (b) Lenses (4.5.2)
- (c) Fixture assembly (4.5.3)

4.5 Inspection methods. -

4.5.1 Examination of product. - The light and component parts shall be inspected to determine compliance with the requirements specified herein with respect to material, workmanship, dimensions, cleaning, finish, and marking.

4.5.2 Lenses. - Each lens shall be checked with the GO and NO-GO gages indicated below. All lenses which fail to pass the gage tests shall be rejected. Variations in the general shape and form of the gages will be permitted, provided the critical dimensions are not affected.

4.5.2.1 The positioning and size of the slots shall be checked with gages conforming to figures 8, 9, and 10.

4.5.2.2 The lens flange diameter shall be checked with a gage conforming to figure 11.

4.5.3 Fixture assembly. - The initial housings, and 1 out of 100 housings thereafter, shall be checked with the GO and NO-GO gages indicated below. Housings which fail to pass the gage will be permitted, provided critical dimensions are not affected.

4.5.3.1 The notches of the housing shall be checked with gages conforming to figures 12 and 13.

4.5.3.2 The internal diameter of the housing flange shall be checked with gages conforming to figures 14 and 15.

4.5.4 Photometric and colorimetric. - The fixture assembly and lenses shall be subjected to photometric and colorimetric tests to determine compliance with the light distribution and color requirements as specified in 3.6.1.1 and 3.6.1.2. All parts shall be allowed to reach normal operating temperatures before any readings are taken. When determining compliance with figures 3 and 6, a tolerance of ± 1 degree in beam direction, vertically and horizontally, will be allowed.

4.5.5 Water submersion. - The fixture assembly and lens shall be operated with the 45W lamp at rated current for 1 hour in still air at 20° to 25° C, after which the assembly shall immediately be inverted and immersed in water at 10° C to a depth sufficient to cover the lens. Any breakage or cracking shall be cause for rejection.

4.5.6 Each sample component shall be assembled and operated with other applicable components to determine if the design and construction are in accordance with requirements specified herein.

4.6 Preservation, packaging, packing, and marking. - Preparation for delivery shall be in accordance with section 5.

5. PREPARATION FOR DELIVERY

5.1 Cleaning. - Prior to packaging, the light shall be thoroughly cleaned of any oil film, grease, and other foreign material.

5.2 Preservation and packaging. - Preservation shall be level A or C, as specified (see 6.2).

5.2.1 Level A. - The light shall be preserved and packaged in accordance with Method III of MIL-P-116, one each per unit pack. Unit containers shall conform to special requirements of table I of PPP-B-636. Closure shall be in accordance with the appendix of PPP-B-636.

5.2.2 Level C. - The light shall be preserved and packaged in accordance with the manufacturer's commercial practice.

5.3 Packing. - Packing shall be level A, B, or C, as specified (see 6.2).

5.3.1 Level A. - The light preserved and packaged in accordance with 5.2.1 shall be packed in export type exterior shipping containers conforming to PPP-B-576, PPP-B-591, PPP-B-636, or PPP-B-640. As far as practical, exterior containers shall be of uniform shape and size, be of minimum cube and tare consistent with the protection required, and shall contain identical quantities. Containers shall be closed and strapped in accordance with the applicable container specification or appendix thereto.

5.3.2 Level B. - The light preserved and packaged in accordance with 5.2.1 does not require packing. Unit containers are suitable for domestic type shipments.

5.3.3 Level C. - The light packaged in accordance with 5.2.2 shall be packed in exterior shipping containers in a manner that will insure safe transportation at the lowest rate to the point of delivery. Containers shall meet Uniform Freight Classification Rules or regulations of other common carriers as applicable to the mode of transportation.

5.4 Marking. - Interior and exterior containers shall be marked in accordance with MIL-STD-129. The nomenclature shall be as follows:

Light, Runway Marker, Elevated, Type M-1.

6. NOTES

6.1 Intended use. - The type M-1 light is intended for use as an elevated runway marker light for marking runways or taxiways for aircraft making landings at night. The lights will be mounted upon the cones at temporary or advanced bases.

6.2 Ordering data. - Procurement documents should specify:

- (a) Title, number, and date of this specification.
- (b) Class of light to be furnished (class B for portable applications for Army procurement only).

- (c) Color of lens (see 3.6.1.1).
- (d) Mounting:
 - (1) Cone (see 3.6.3)
 - (2) Clamp assembly (see 3.6.4).
- (e) That component parts of the light may be procured and supplied separately (see 3.2).
- (f) Since the socket is a critical component of the fixture assembly, manufacturers are urged to communicate with the procuring activity prior to fabrication of any units to ascertain whether the socket which they propose to utilize is satisfactory for the application.
- (g) Levels of packaging and packing required (see section 5).

6.3 Qualification. - With respect to products requiring qualification, awards will be made only for products which are at the time set for opening of bids, qualified for inclusion in the applicable Qualified Products List whether or not such products have actually been so listed by that date. The attention of the suppliers is called to this requirement, and manufacturers are urged to arrange to have the products that they propose to offer to the Federal Government tested for qualification in order that they may be eligible to be awarded contracts or orders for the products covered by this specification. The activity responsible for the Qualified Products List is Aeronautical Systems Division, Attn: ASD (ASNMT-40), Wright-Patterson Air Force Base, Ohio 45433 and information pertaining to qualification of products may be obtained from that activity..

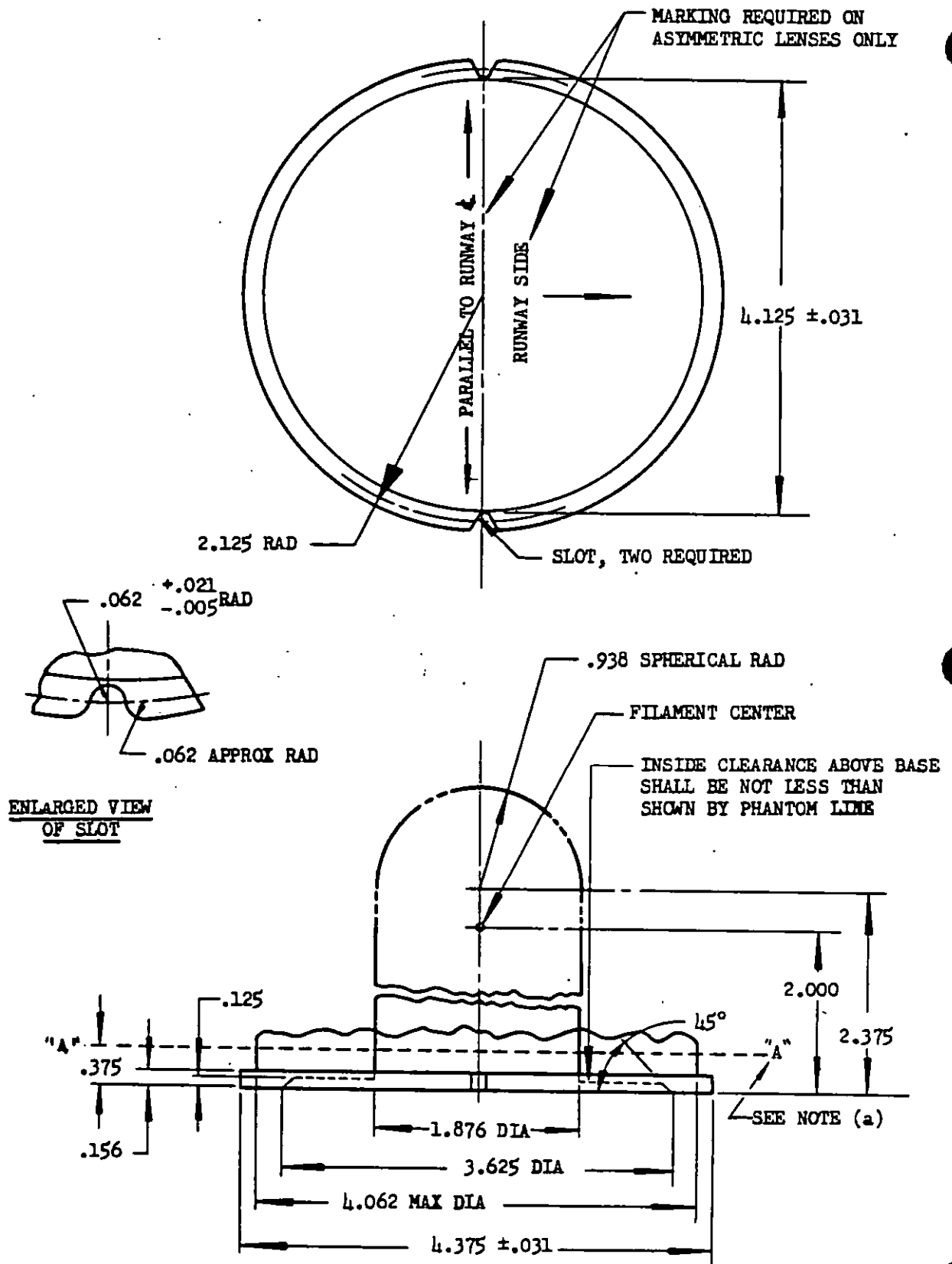
6.4 Marginal indicia. - Asterisks are not used in this revision to identify changes with respect to the previous issue, due to the extensiveness of the changes.

Custodians:
 Army - CE
 Navy - AS
 Air Force - 11

Preparing activity:
 Air Force - 11

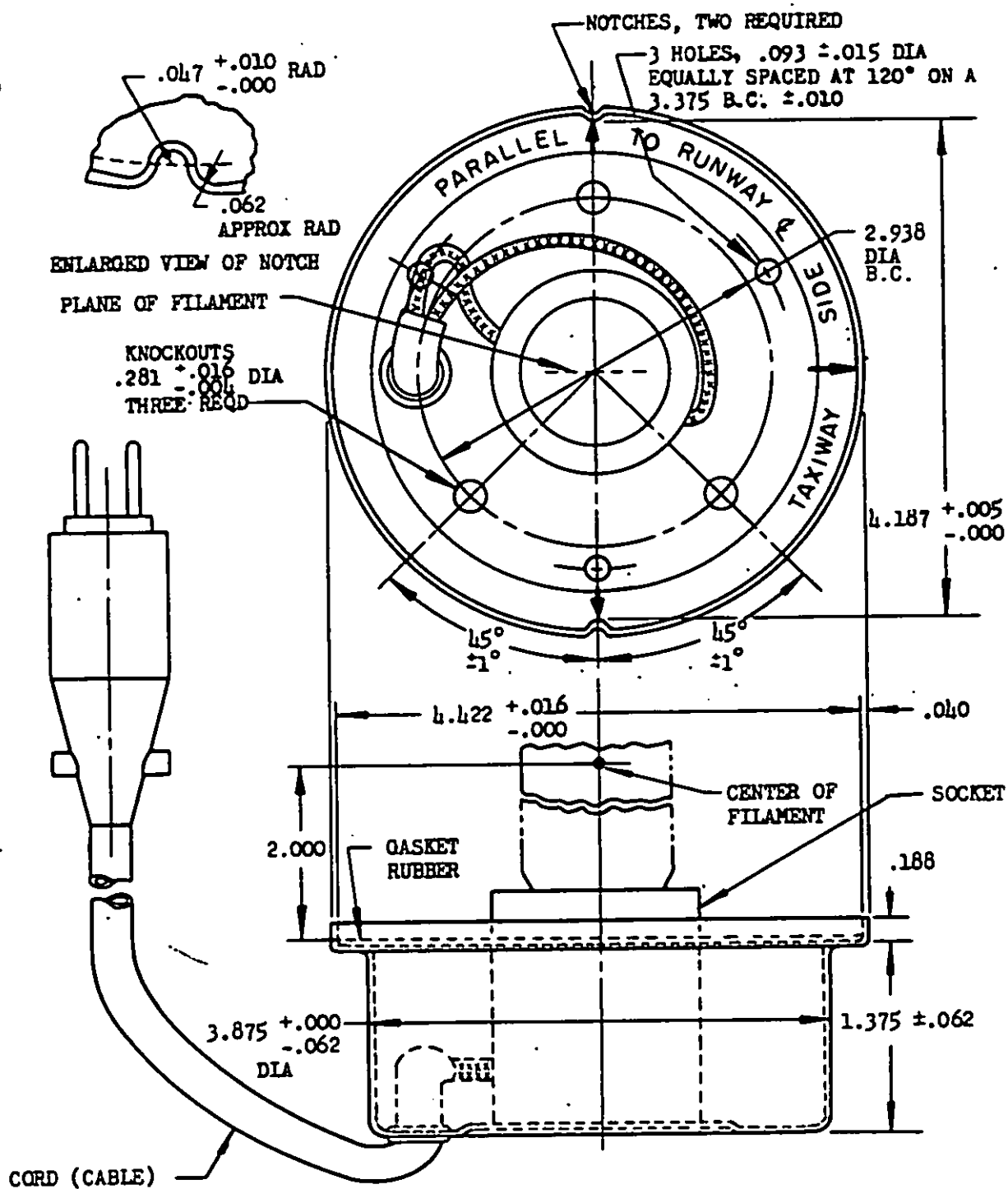
Project No. 6210-0255

Reviewer activities:
 Air Force - 82, 85
 Army - AV, ME, CE



- (a) OUTSIDE SHAPE ABOVE LINE A-A IS OPTIONAL. THE OVERALL HEIGHT OF THE LENS SHALL BE 5.250 MAX.
- (b) DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMALS: ± .016.
- ANGLES: 5°

FIGURE 1. Lens



1. DIMENSIONS IN INCHES.
2. UNLESS OTHERWISE SPECIFIED, TOLERANCES: ANGLES $\pm 5^\circ$. DECIMALS $\pm .016$
3. CLAMPING RING NOT SHOWN

FIGURE 2. Fixture assembly

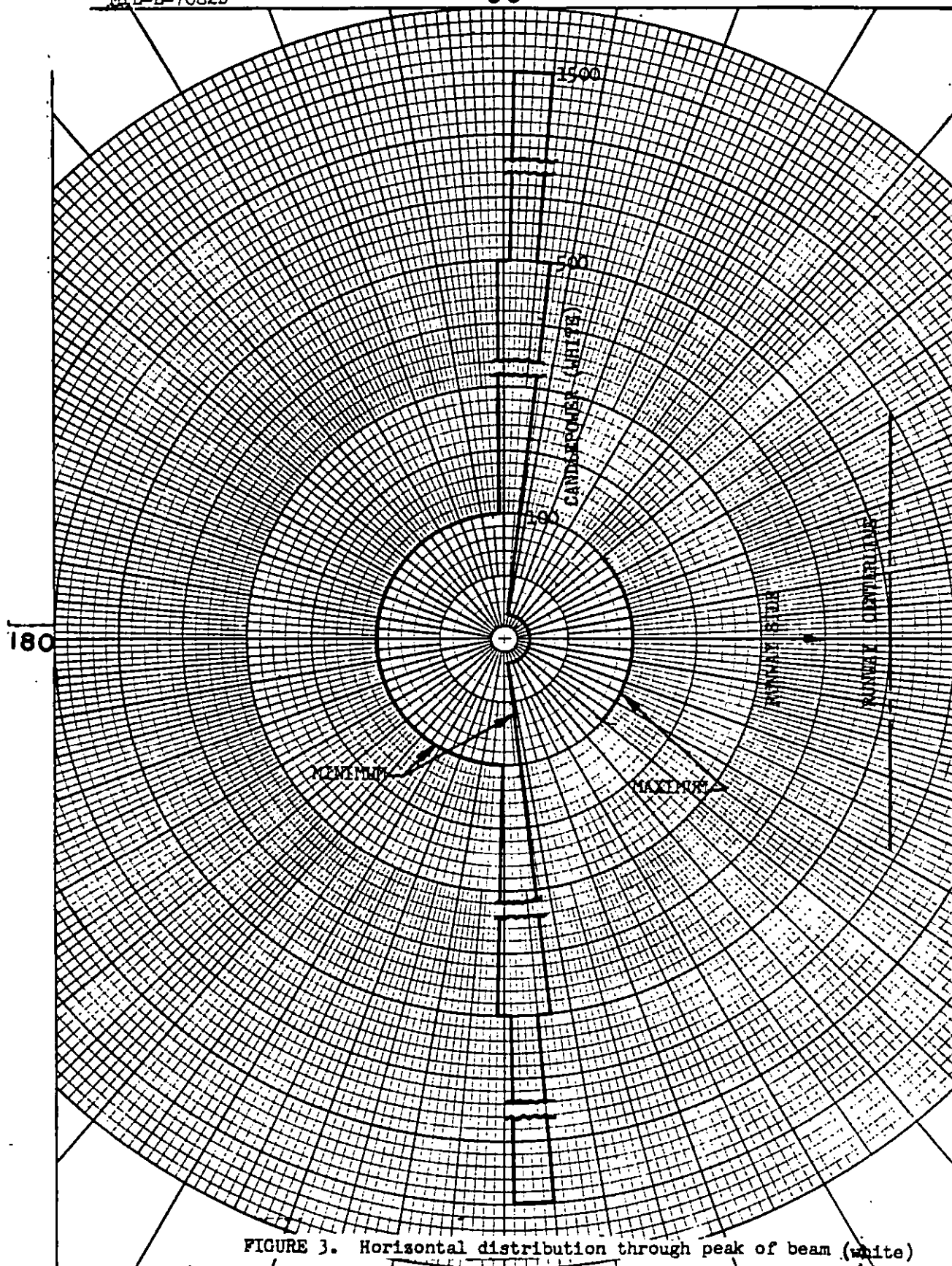


FIGURE 3. Horizontal distribution through peak of beam (white)

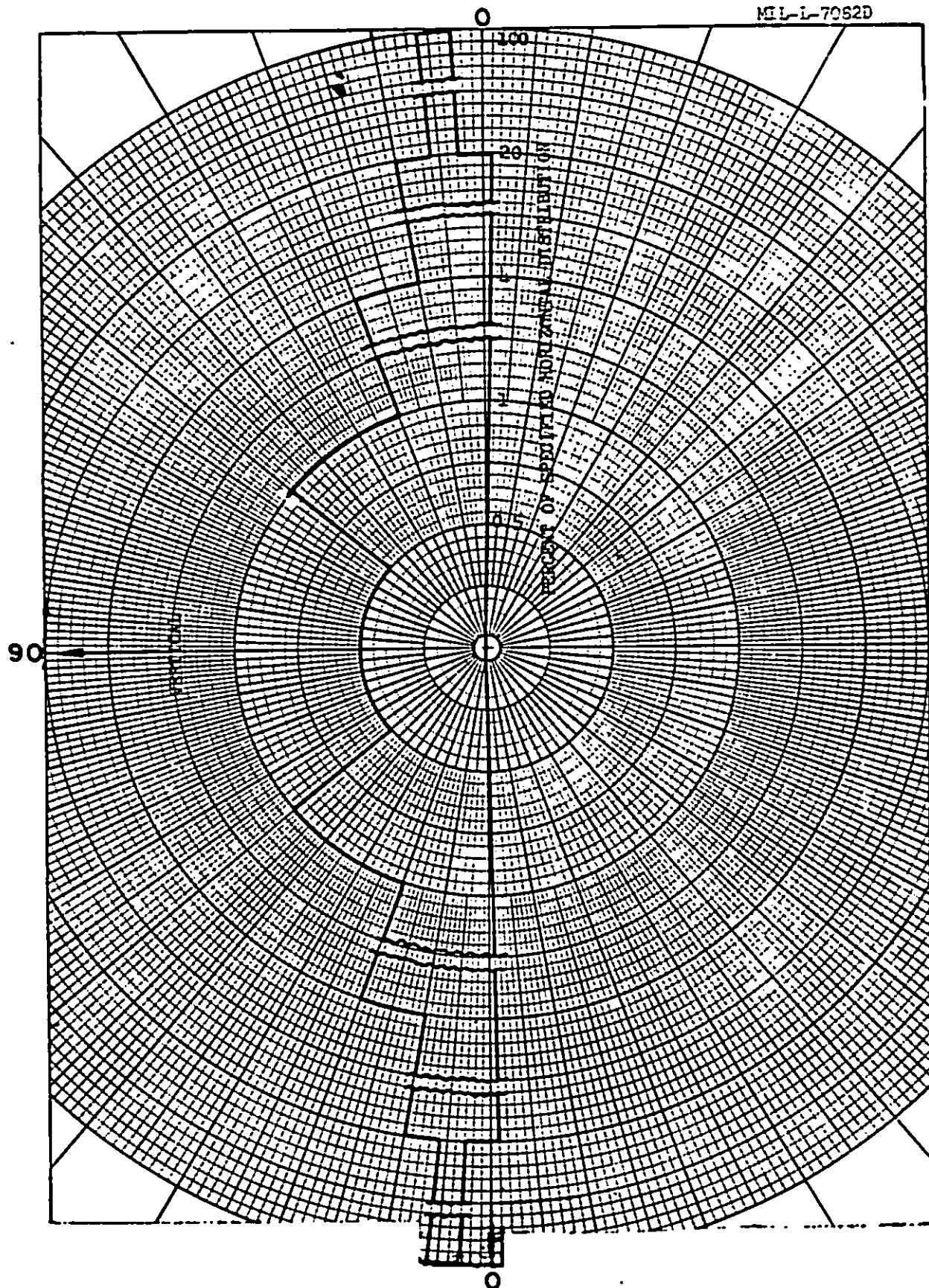


FIGURE 4. Vertical distribution through any vertical plane
15

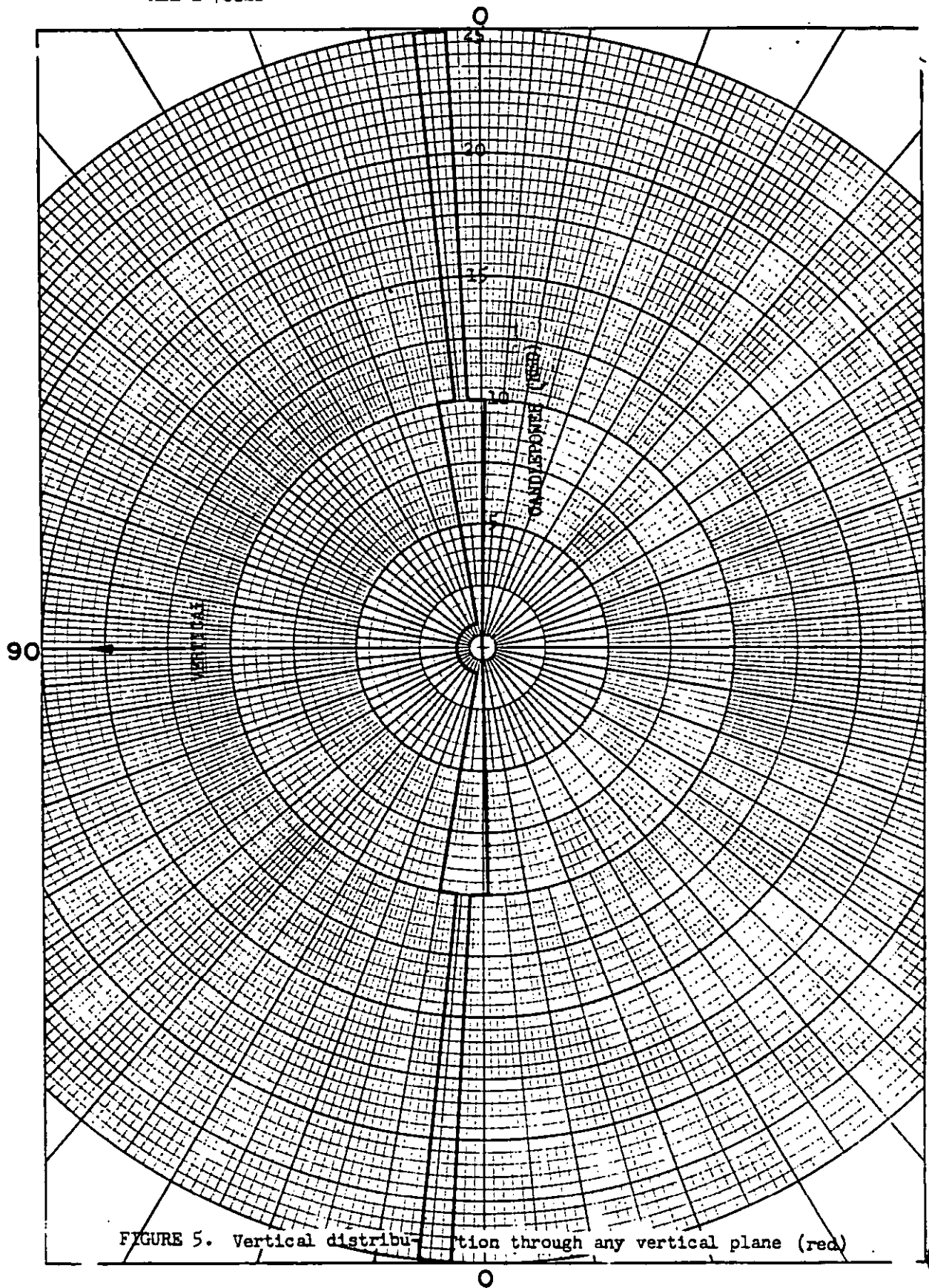


FIGURE 5. Vertical distribution through any vertical plane (red)

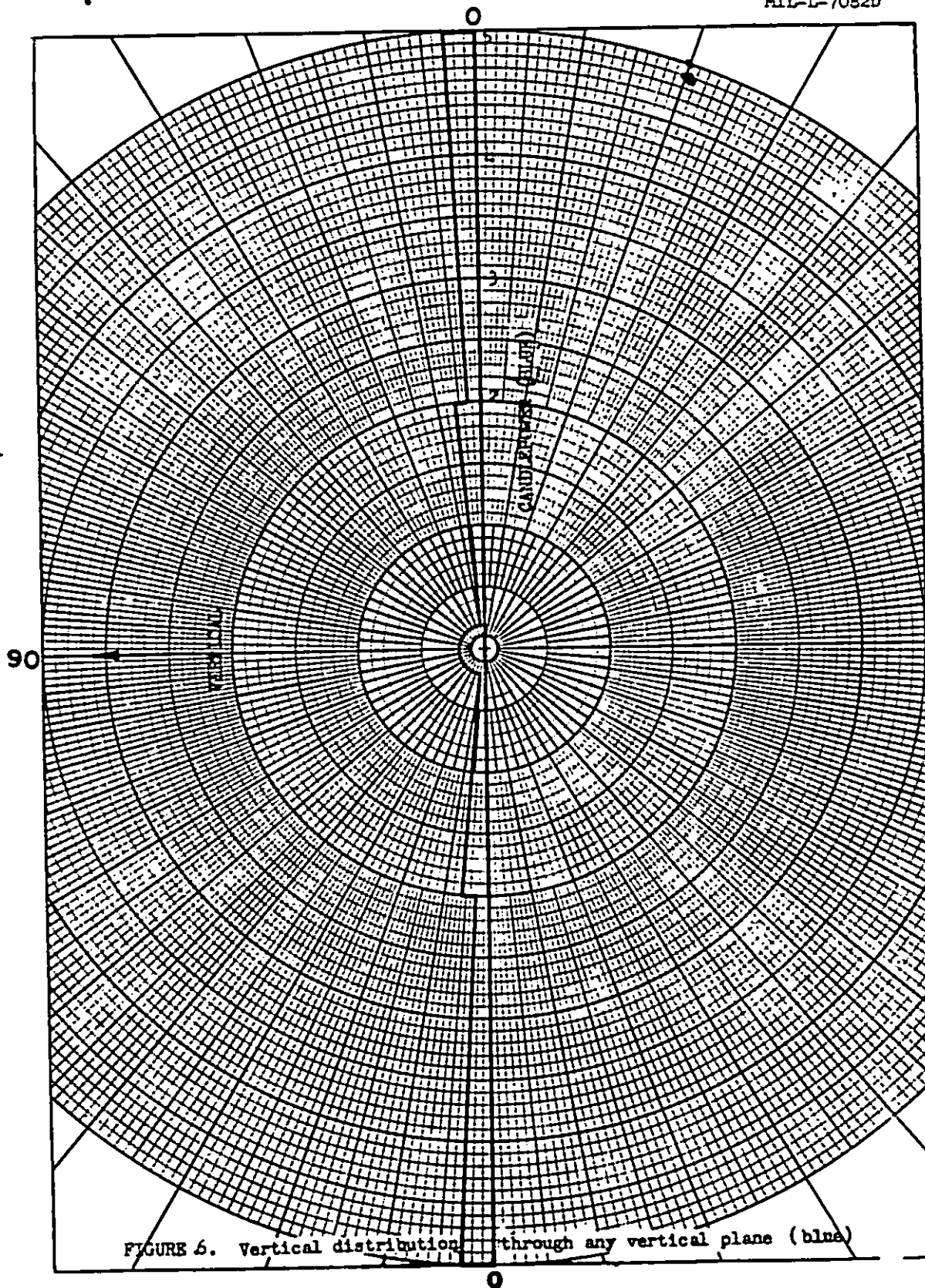
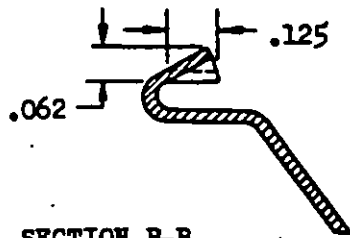
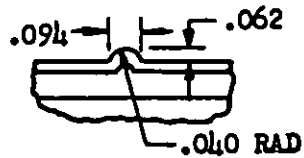


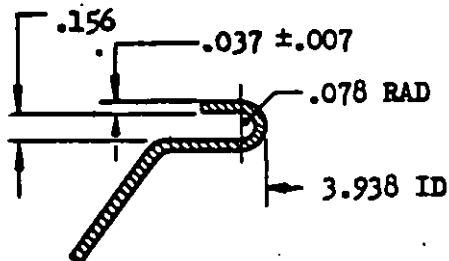
FIGURE 6. Vertical distribution through any vertical plane (blue)



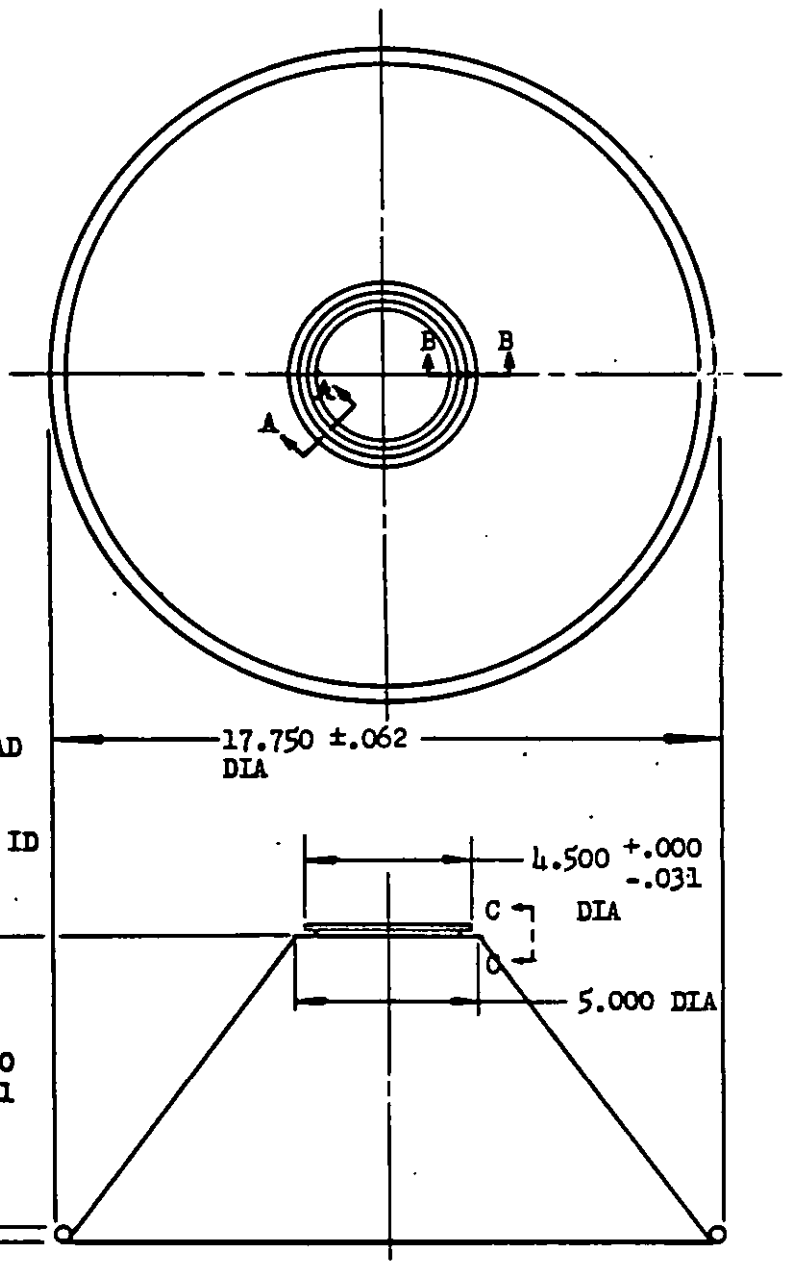
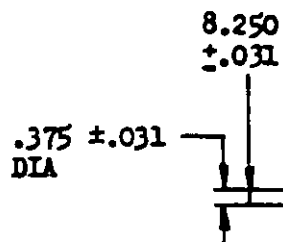
SECTION B-B



VIEW C-C



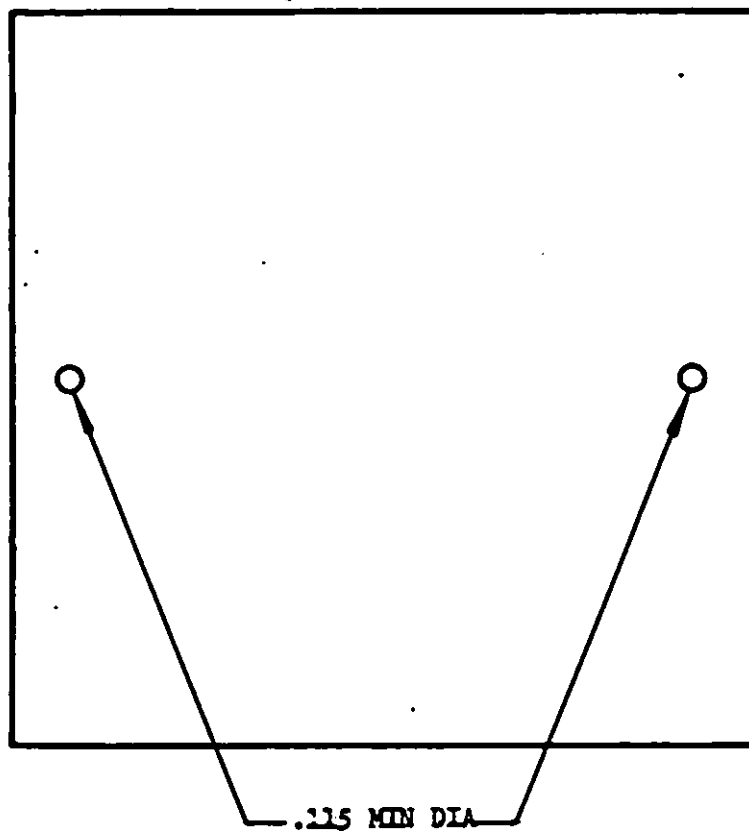
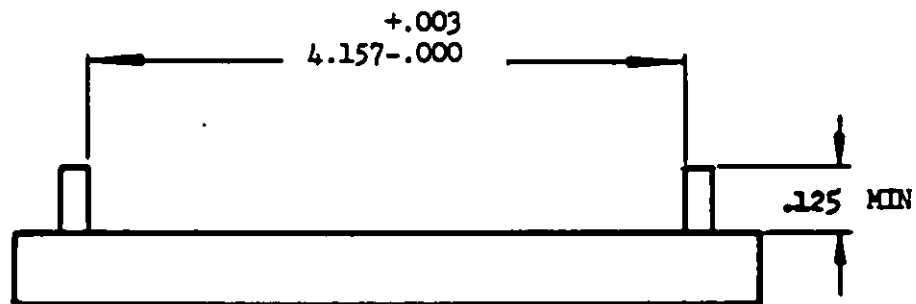
SECTION A-A



DIMENSIONS IN INCHES.

UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMALS $\pm .016$.

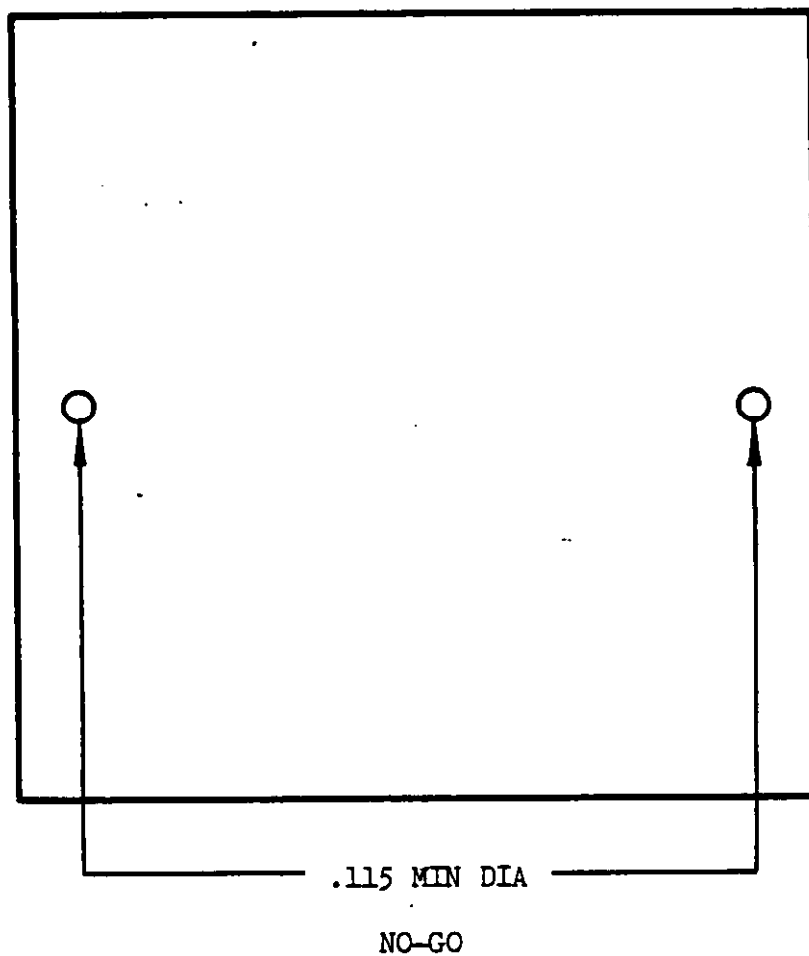
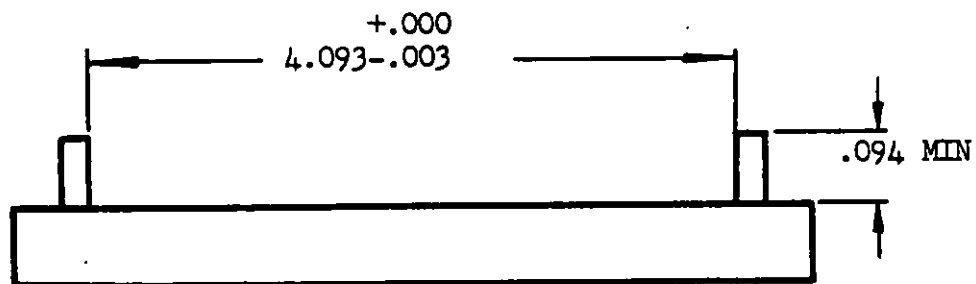
FIGURE 7. Cone



GO

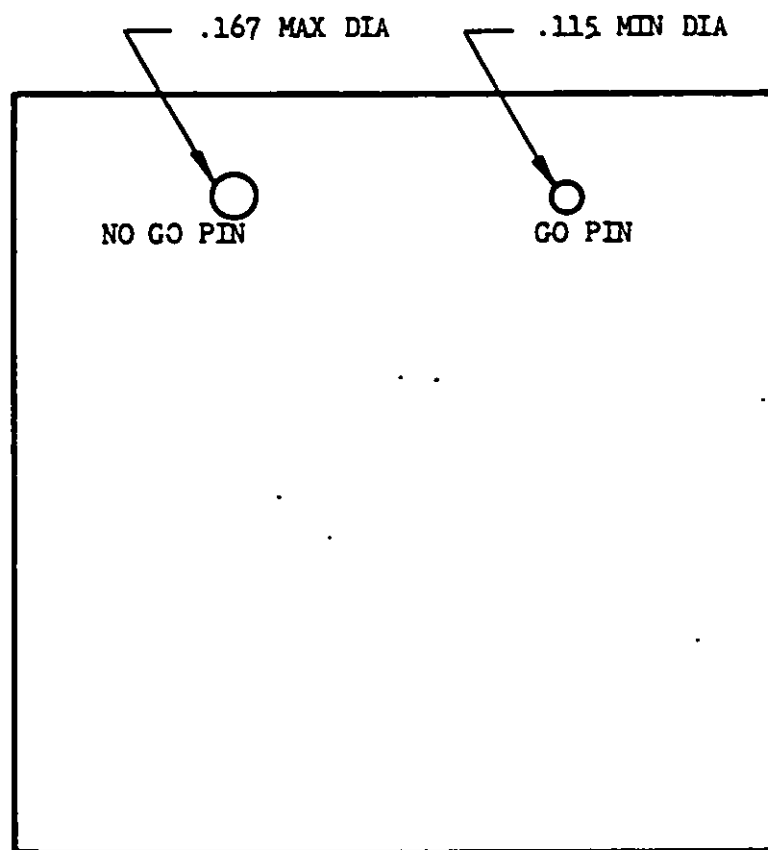
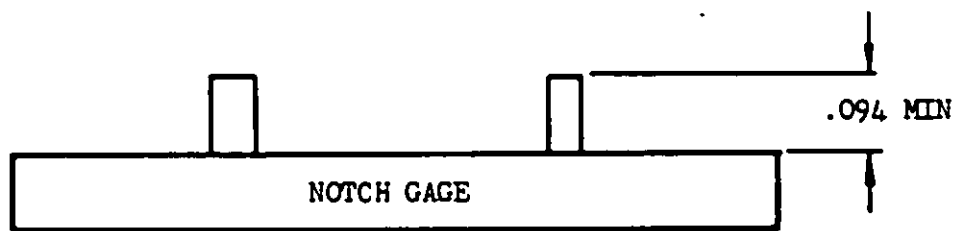
DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED

FIGURE 8. Lens gage - Go



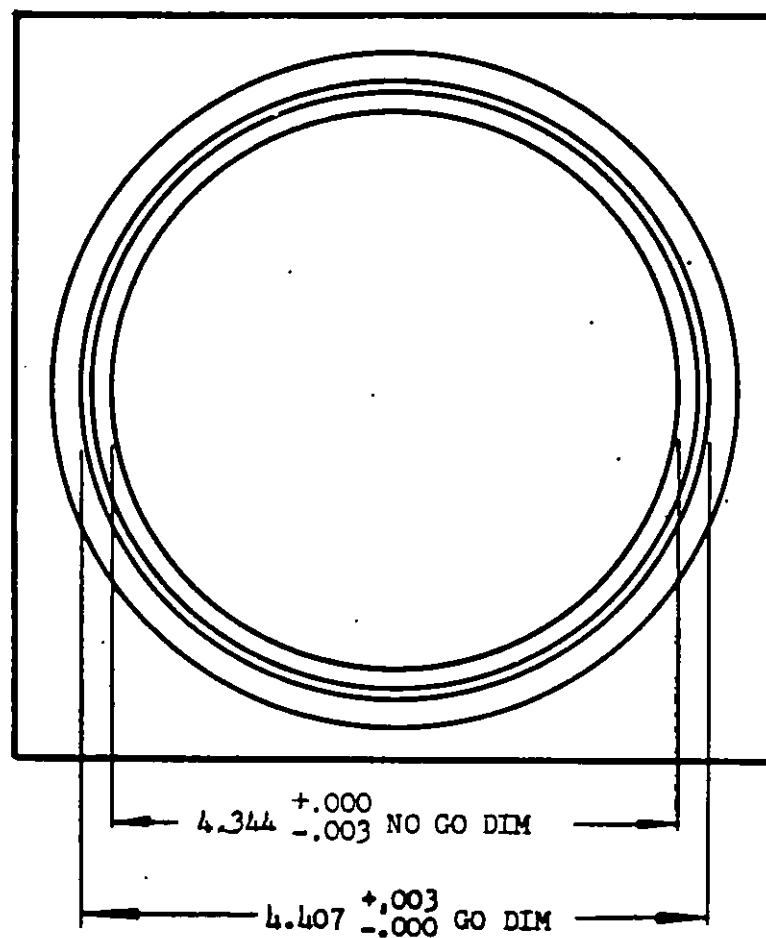
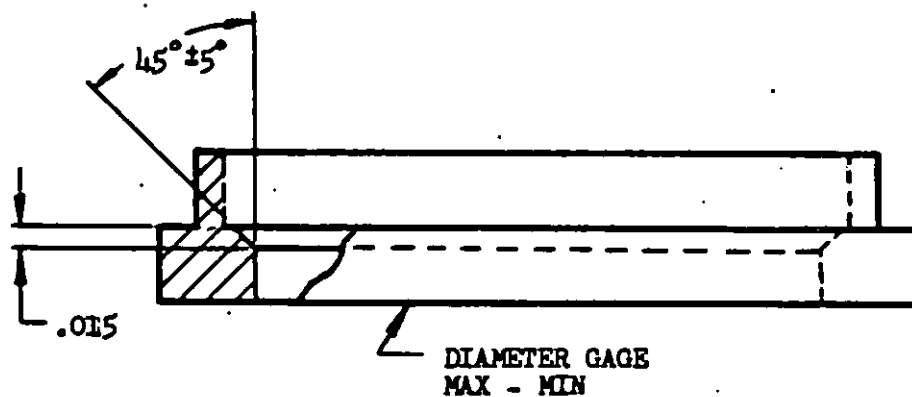
DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED.

FIGURE 9. Lens gage - No go



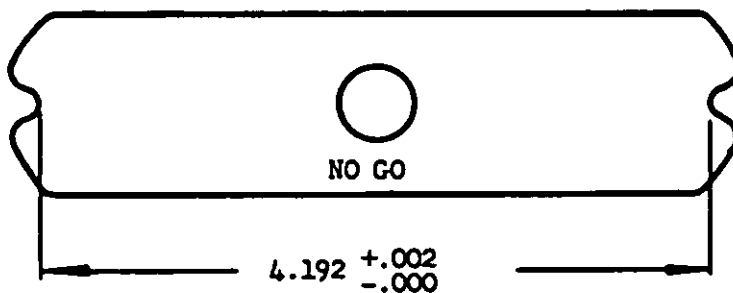
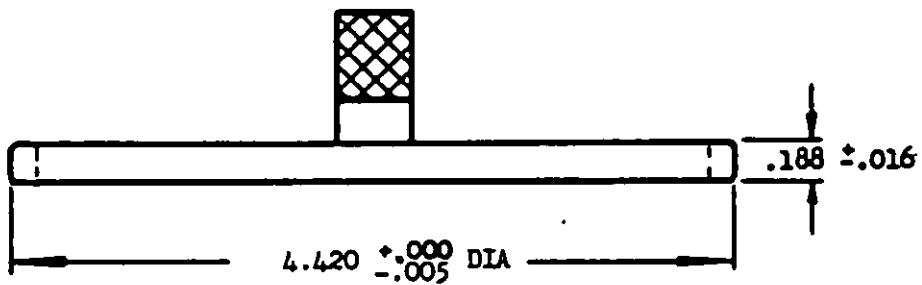
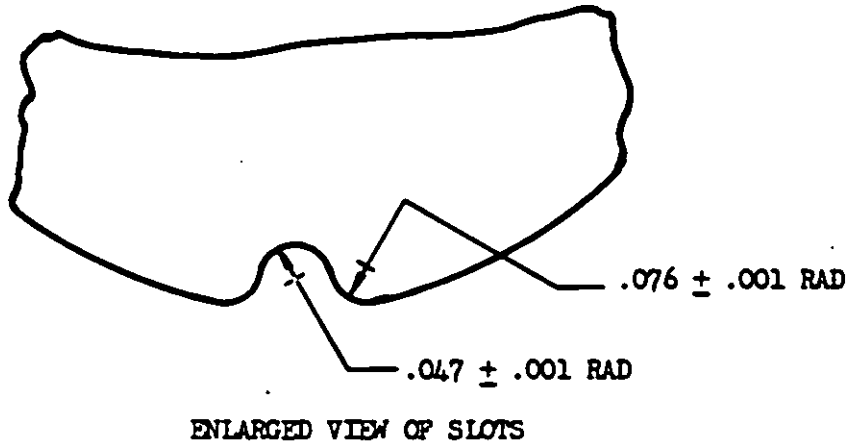
DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED.

FIGURE 10. Lens notch gage



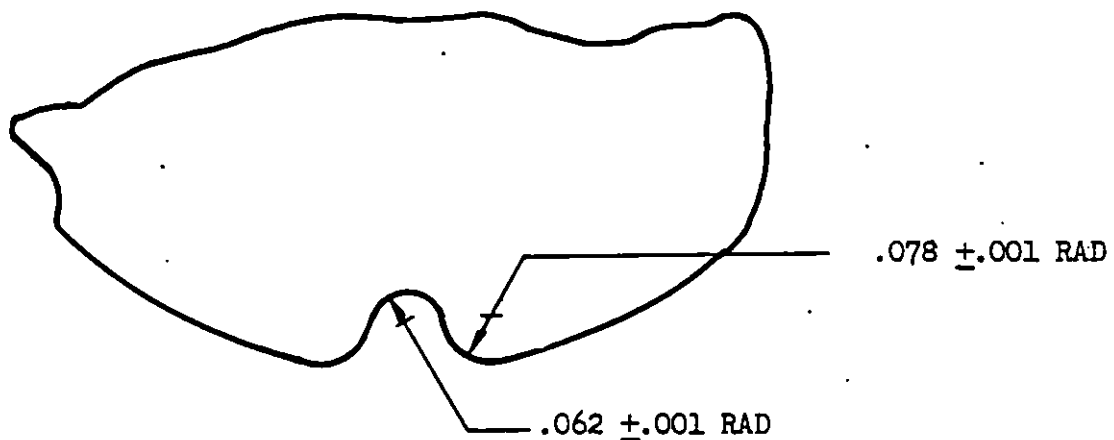
DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED.

FIGURE 11. Lens gage - max-min diameter

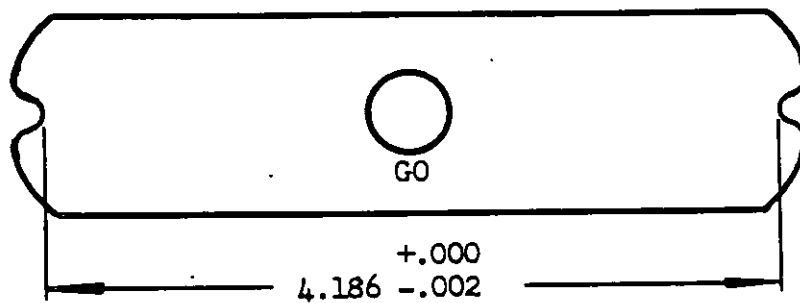
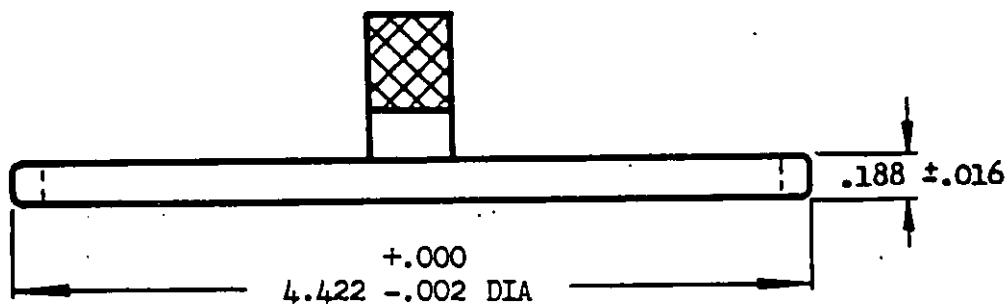


DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED.

FIGURE 12. Housing gage - No go

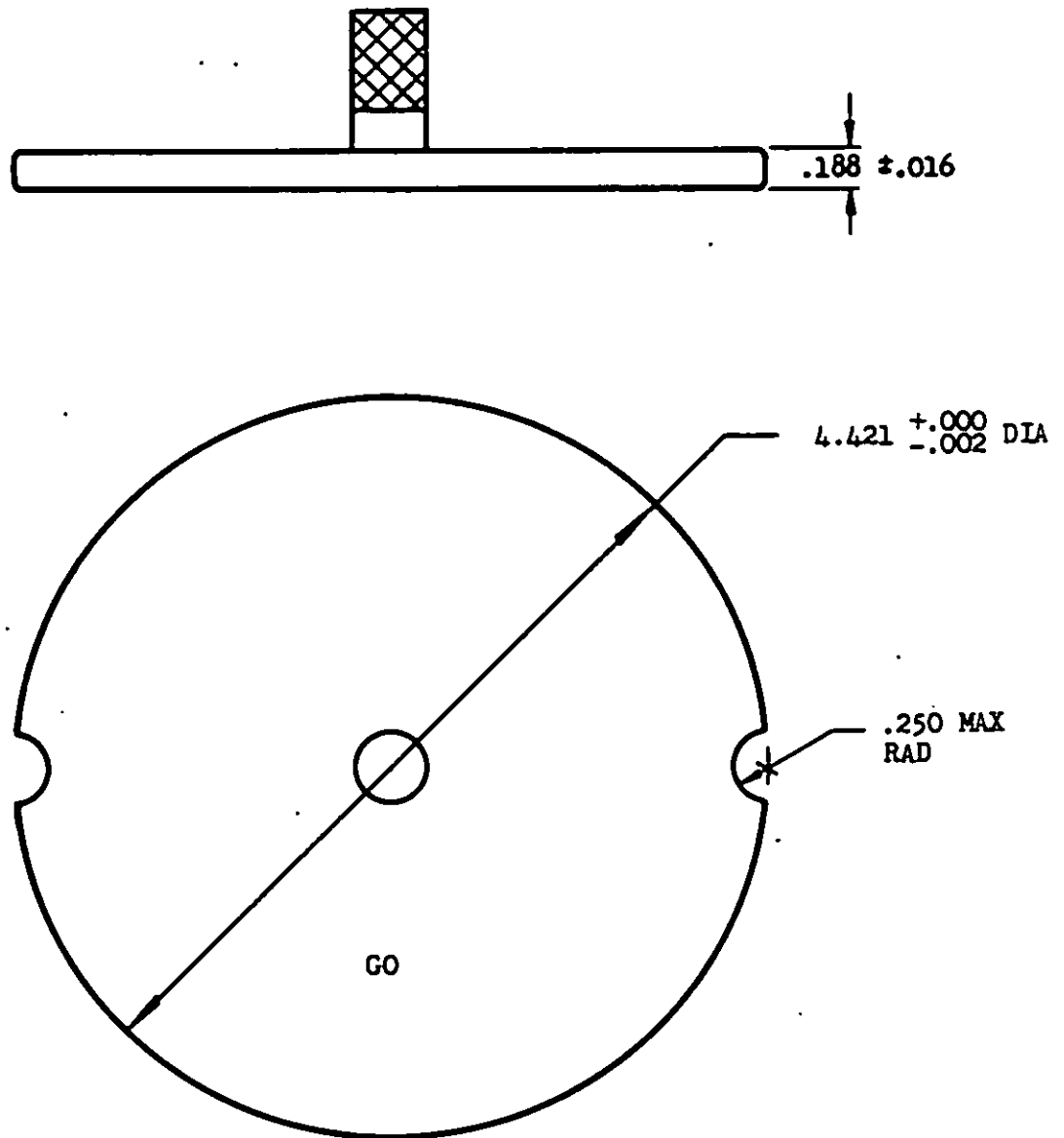


ENLARGED VIEW OF SLOTS



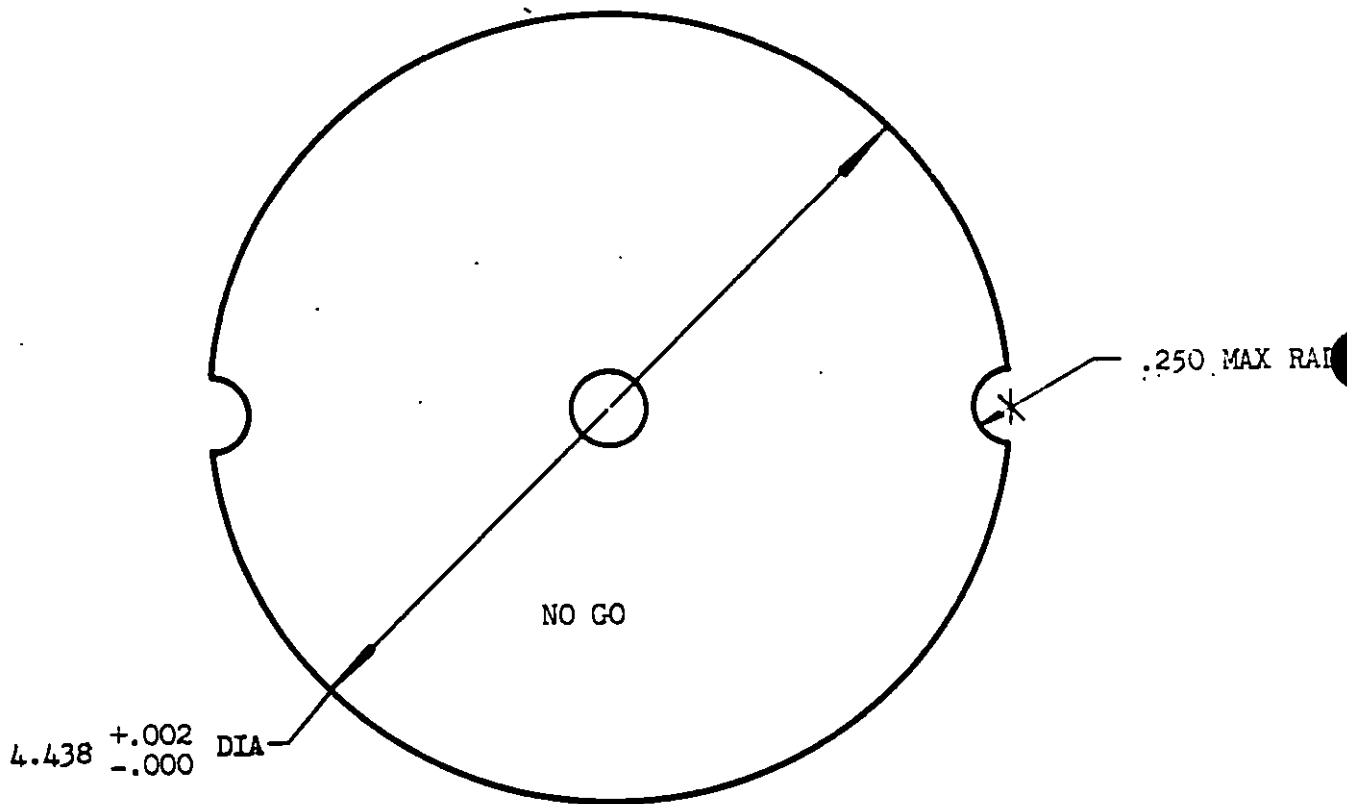
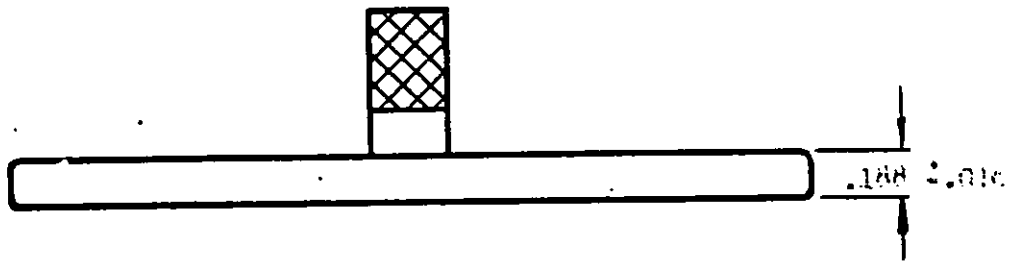
DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED.

FIGURE 13. Housing gage - Go



DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED.

FIGURE 14. Housing flange gage - Go



DIMENSIONS IN INCHES

OTHERWISE SPECIFIED.

FIGURE 15. Housing flange gage - No go

STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

(See Instructions - Reverse Side)

1. DOCUMENT NUMBER

2. DOCUMENT TITLE

3a. NAME OF SUBMITTING ORGANIZATION

4. TYPE OF ORGANIZATION (Mark one)

☐ VENDOR

☐ USER

☐ MANUFACTURER

☐ OTHER (Specify): _____

b. ADDRESS (Street, City, State, ZIP Code)

5. PROBLEM AREAS

a. Paragraph Number and Wording:

b. Recommended Wording:

c. Reason/Rationale for Recommendation:

6. REMARKS

7a. NAME OF SUBMITTER (Last, First, MI) - Optional

b. WORK TELEPHONE NUMBER (Include Area Code) - Optional

c. MAILING ADDRESS (Street, City, State, ZIP Code) - Optional

8. DATE OF SUBMISSION (YYMMDD)