

4

3

2

1

D

D

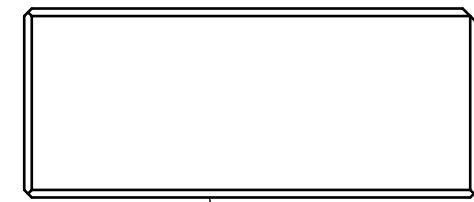
C

C

B

B

A



(SR 62.3 meters)
SEE SPEC. M20016

A

PLANE FORMED BY
SPHERICAL SURFACE
AT FOUR CORNERS OF
THE OPTICAL SURFACE

0.15C

60.00

0.15AB

(40.00)

(10.00)

CLEAR APERTURE.
SEE SPEC. #M20016
FOR POLISHING.

(10.00)

(55.00)

C

0.025A

75.000

B

C 1.00
11x

0.025B

25.000

0.025A

NOTES:

- DIMENSIONS AND TOLERANCING PER ASME Y14.5-1994.
DIMENSIONS ARE IN MM AND FINISHES ARE IN μ M
REFERENCE DIMENSIONS ARE SHOWN IN PARENTHESES.
NOT ALL HIDDEN LINES ARE SHOWN.
- THIS IS A UHV PART; CLEAN APPROPRIATELY.
USE OF SULPHUR-BEARING OR SILICON-BEARING OILS,
LUBRICANTS, OR COOLANTS IS PROHIBITED.
USE OF POWER DRIVEN, RESIN BONDED, OR RUBBER BONDED
ABRASIVES IS PROHIBITED.
CERAMIC BONDED ABRASIVES, TUNGSTEN CARBIDE,
AND DIAMOND WHEELS ARE ACCEPTABLE.
- SEE SPECIFICATION M20016 FOR POLISHING REQUIREMENTS.

REV	AUTHOR	APPROVER	DATE	CHANGE DESCRIPTION
A	patton	patton	03-09-20	INITIAL REVISION

UNLESS OTHERWISE SPECIFIED			
TOLERANCES	.X ± .XX ± 0.25	.XXX ± 0.050	
FRACTIONS	± - / - -		
ANGLES	± - . - °		
MACH. SURFS.	0.8	OR BETTER	
REF: ASME Y14.5M-1994, THREADS ARE CLASS 2			
BREAK EDGES .016 MAX. ON MACHINED WORK			
REMOVE BURRS, WELD SPLATTER & LOOSE SCALE			

MAT 2:		NOTES:	
MAT 1:		NOTES:	
PROJECT NAME:		ERNEST ORLANDO LAWRENCE	
PROJECT NUMBER:		BERKELEY NATIONAL LABORATORY	
PROJECT NUMBER:		UNIVERSITY OF CALIFORNIA	
DO NOT SCALE PRINT		ALS - INSERTION DEVICE BEAMLINES	
SCALE: 1:1		BL 6.0.1.2 BRANCHLINE	
THIRD ANGLE PROJECTION		BL 6.0.1.2 FS MONO PREMIRROR M102.2 SUBSTRATE	
SHEET 1 OF 1		SIZE: C	
DWG NO: 26B251		REV A	

3

2