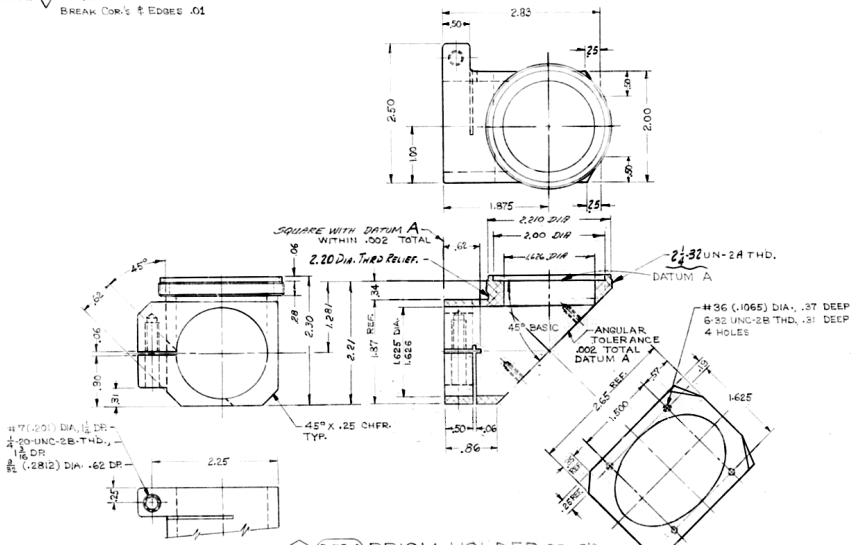
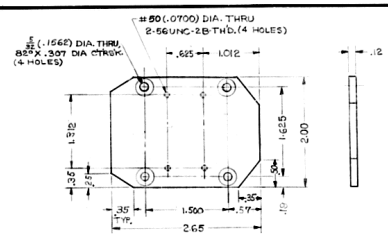
NOTE: 125 FINISH ALL OVER
BREAK COR'S & EDGES .01



(3) D50-1 PRISM HOLDER-2 REQ'D.
MAT'L- 2024-T4 ALUMINUM
1 REQ'D. FOR ASSEMBLY D3-2
FINISH- BLACK SULFURIC ANODIZE
125 FINISH ALL OVER
SCALE: FULL SIZE



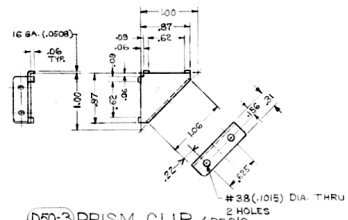
(5) D50-2 PRISM PLATE-2 REQ'D.
MAT'L. 2024-T4 ALUMINUM
1 REQ'D. FOR ASSEMBLY D3-2
FINISH- BLACK SULFURIC ANODIZE
125 FINISH ALL OVER
SCALE: FULL SIZE

ITEM	NO. REQ'D. ASSEMBLY D3-1	NO. REQ'D. ASSEMBLY D3-2	MATERIAL	DESCRIPTION	WEIGHT
D50-1		1	2024-T4 ALUMINUM	2.50 X 3.00 X 2.30	
D50-2		1	2024-T4 ALUMINUM	.12 X 2.00 X 2.65	
D50-3		2	ALLOY 351 SPRING PHOS. BZE.	16 GA (.0508) X 1.12 X 1.12	
D50-4	1	1	2024-T4 ALUMINUM	1.624 DIA. X 1.87	
D50-5		1	BRASS ALLOY 271-HALF HARD	2.37 DIA X .50	
D50-6	1	1	BRASS ALLOY 271-HALF HARD	.62 DIA. X 1.75	
D50-7		1	STAINLESS STEEL	10-24-UNC-2A X ½ LG. SOCKET HEAD CAPSCREW	
D50-8	1		BRASS ALLOY 271-HALF HARD	2.25 DIA. X 1.13	
D50-9		1 PAIR	BRASS ALLOY 271-HALF HARD	1.875 DIA. X .187	
D50-10		1	GRADE A SPRING PHOSPHOR BRONZE ALLOY # 351	.1390 DIA X .020	

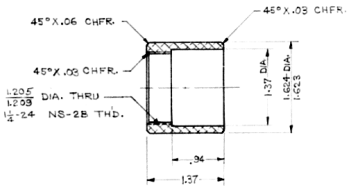
BILL OF MATERIAL

ø AURA, INC. TO PROVIDE SCREW UNALTERED

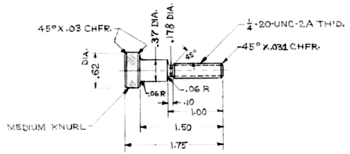
NOTE: SIZES OF MATERIAL LISTED DO NOT INCLUDE STOCK ALLOWANCE FOR MACHINING AND CUTTING OFF EXCEPT AS NOTED. THE SIZE SPECIFIED IS THE MATERIAL REQUIRED FOR ONE PIECE ONLY. QUANTITIES NOTED ARE THE TOTAL NUMBER REQUIRED.



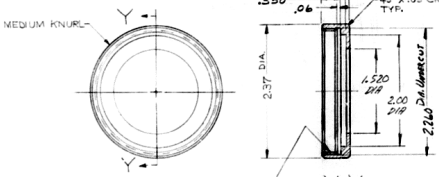
(4) D50-3 PRISM CLIP-4 REQ'D.
MAT'L. ALLOY 351 SPRING PHOS. BRONZE
2 REQ'D FOR ASSEMBLY D3-2
FINISH- OPTICAL BLACK CHEMICALLY
125 FINISH ALL OVER
SCALE: FULL SIZE



D50-4 EYEPIECE HOLDER-2 REQ'D.
MAT'L- 2024-T4 ALUMINUM (1 REQ'D. FOR ASSEMBLY D3-1, 1 REQ'D. FOR ASSEMBLY D3-2)
FINISH- BLACK SULFURIC ANODIZE
125 FINISH ALL OVER
SCALE: FULL SIZE

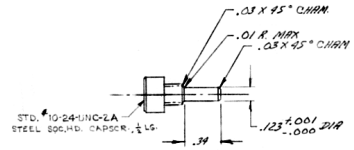


D50-6 CLAMP SCREW-2 REQ'D.
MAT'L.- BRASS ALLOY 271-HALF HARD, FREE-TURNING
1 REQ'D. FOR ASSEMBLY D3-1, 1 REQ'D FOR ASSEMBLY D3-2
FINISH- OPTICAL BLACK CHEMICALLY
125 FINISH ALL OVER, EXCEPT FOR KNURL
SCALE: FULL SIZE

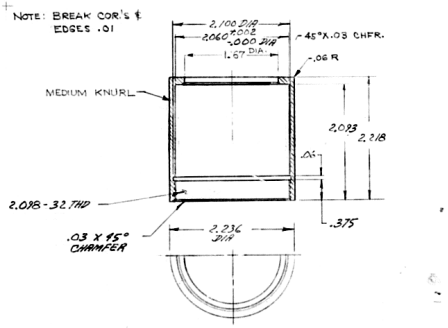


SEC. Y-Y
2.316 / 2.314 DIA. X .23 DEEP
2¼-32-UN-2B THD

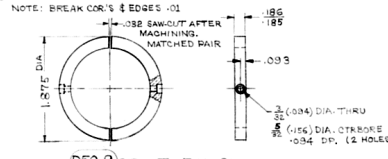
(2) D50-5 SWIVEL NUT-2 REQ'D.
MAT'L.- BRASS ALLOY 271-HALF HARD, FREE TURNING
1 REQ'D. FOR ASSEMBLY D3-2
FINISH: OPTICAL BLACK, CHEMICALLY
125 FINISH ALL OVER, EXCEPT KNURL
SCALE: FULL SIZE



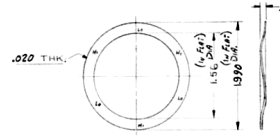
(6) D50-7 ANTI-ROTATION PIN-2 REQ'D.
MAT'L. STAINLESS STEEL, 10-24 UNC-2A X ½ LG. SOCKET HEAD CAPSCREW.
1 REQ'D. FOR ASSEMBLY D3-2
FINISH: OPTICAL BLACK, CHEMICALLY
SCALE: DOUBLE SIZE



(8) D50-8 CAP-1 REQ'D.
MAT'L.- BRASS ALLOY 271-HALF HARD, FREE-TURNING
1 REQ'D. FOR ASSEMBLY D3-1
FINISH- OPTICAL BLACK, CHEMICALLY
125 FINISH ALL OVER
SCALE: FULL SIZE



(7) D50-9 SPLIT RING-2 PAIR REQ'D.
1 PAIR REQ'D. FOR ASSEMBLY D3-2
MAT'L. BRASS ALLOY 271-HALF HARD, FREE-TURNING
FINISH- OPTICAL BLACK CHEMICALLY 125 FINISH ALL OVER
SCALE: FULL SIZE



D50-10 WAVY WASHER (SPRING) 2-REQ'D
MAT'L.- GRADE A SPRING PHOSPHOR BRONZE ALLOY # 351
1 REQ'D. FOR ASSEMBLY D3-2

REF. FILE 2090

FOR ASSEMBLY SEE DWG. 2023.01-D-3

QUANT.	PRINT RECORD	DATE				
5	B10	7/31/68				
			B9	REVISION	23/4	5-13-80
			B8	TAB FOR D3-2 ONLY		
			A1	1.81 was 1.19 / 1.12 1.69 was 1.06	1177	5-13-74
			NO.	REVISION	ECR	DATE

TOLERANCES UNLESS OTHERWISE NOTED.
DECIMAL .00 ±.020, .000 ±.005, ANGLES ± 1/4°
FRACTIONAL— FABRICATION: UP TO 12" ± 1/16, 12" TO 30" ± 1/8, 30" & OVER ± .25 = .005"/INCH
MACHINING: UP TO 12" ± .015, 12" TO 30" ± .030, 30" & OVER ± .050 = .0005"/INCH
MACHINED SURFACES ARE FINISHED TO 125 UNLESS OTHERWISE SPECIFIED.

KITT PEAK NATIONAL OBSERVATORY
OPERATED BY THE ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC. UNDER CONTRACT WITH NATIONAL SCIENCE FOUNDATION

84-INCH TELESCOPE ~CASSEGRAIN SPECTROGRAPH

NAME: SLIT VIEWER ASSEMBLY DETAILS

DESIGNED BY L.D. TRACKRILL — DATE OCT 1962
DRAWN BY K. KIRK — DATE 4-25-68
APPROVED BY [illegible] — DATE 1 MAY 68
SCALE FULL SIZE
DWG. NUMBER 2023.01-D50 — REV B