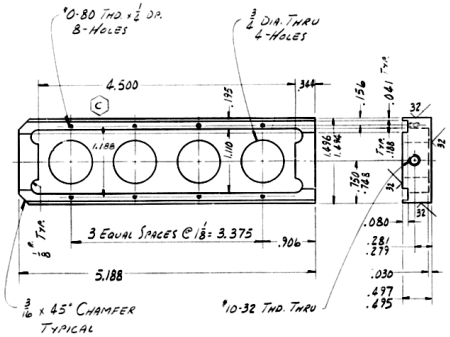
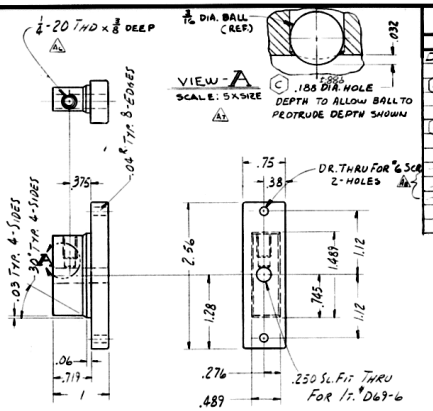


D69-1 FILTER HOLDER ASS'Y
1-REQ'D

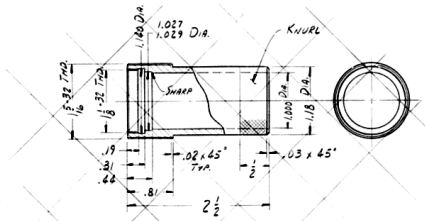


D69-2 FILTER HOLDER
1-REQ'D
MAT'L: ALUM. ALLOY #2024-T3
OPTICAL BLACK ANODIZE-HARD

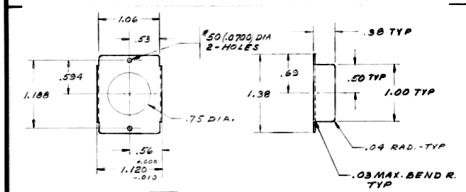


D69-8 FILTER HOLDER END #2
1-REQ'D
MAT'L: ALUM. ALLOY #2024-T351
BLACK HARD ANODIZE

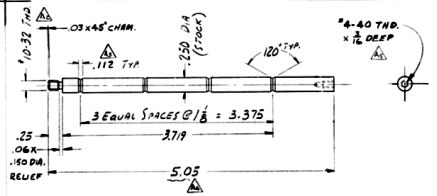
BILL OF MATERIAL				
ITEM	DWG. NO.	QTY.	MATERIAL	DESCRIPTION
D69-1		1		FILTER HOLDER ASS'Y
2		1	BRASS	.439 x 1.439 x 5.188
C 3		4	ALUM. ALLOY #2024-T4	1.093 O.D. x THICKNESS TO SUIT
4		8	BRASS	SLOTTED RD. HD. MACH SCR 0-80 x 3/16
5		8	PHOS. BRONZE	.012 x .34 x .50
C 6		1	17-4PH STAINLESS STL.	1/4 DIA x 5.06
7		1	ALUM. ALLOY #2024-T351	3/4 DIA. x 3/8
8		1	" " " "	.75 x 1 x 2.56
9		4	" " " "	1/8 DIA. x .19 THICK
10		1	" " " "	1 1/16 DIA. x 2 1/2
11		1	" " " "	1 1/8 DIA. x 1 1/8



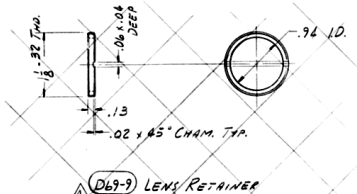
D69-10 LENS CELL
1-REQ'D
MAT'L: ALUM. ALLOY #2024-T351
BLACK SULFURIC ANODIZE



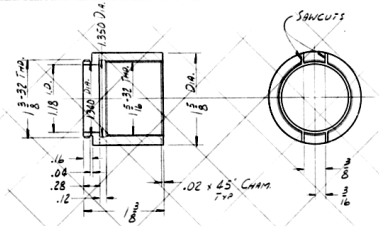
C D69-5 CLIP
4-REQ'D
MAT'L: PHOSPHOR BRONZE-.016 STK.
OPTICAL BLACK CHEMICALLY



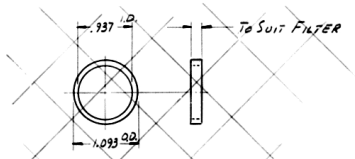
D69-6 PUSH ROD
1-REQ'D
MAT'L: 17-4PH STAINLESS STL. ANNEALED
C & GROUND BAR
H.T. -900° FOR 1 HR. - AIR COOL



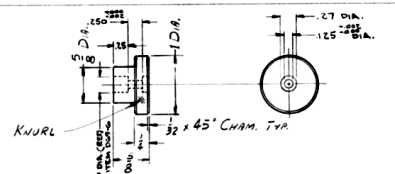
D69-9 LENS RETAINER
1-REQ'D
MAT'L: ALUM. ALLOY #2024-T351
BLACK SULFURIC ANODIZE



D69-11 CELL HOLDER
1-REQ'D
MAT'L: ALUM. ALLOY #2024-T351
BLACK SULFURIC ANODIZE



C D69-3 FILTER SPACER
4-REQ'D
MAT'L: ALUM. ALLOY #2024-T4
BLACK SULFURIC ANODIZE



D69-7 PUSH KNOB
1-REQ'D
MAT'L: ALUM. ALLOY #2024-T351
SULFURIC ANODIZE

NOTE: 1. REMOVE ALL BURRS & SHARP EDGES UNLESS OTHERWISE SPECIFIED.
2. ALL DIM'S APPLY AFTER PROTECTIVE FINISHES.

2090

FOR ASSEMBLY SEE 2028.01-E14

QUANT.	PRINT RECORD	DATE	NO.	REVISION	DATE	BY
C				REVISED PER ECR 0636	5-26-71	L.H.
B				REV. AS BUILT 0301	7-10-68	CMH
A			1	REMD I: D69-7, 10 & 11		
A			2	ADDED VIEW A		
A			3	1/4-20 THD x 3/8 DP. WAS THRU TO .250 DIA. S.F.		
A			4	S ADDED #4-40 THD x 3/16 DP.		
A			5	5.05 DIM. WAS 5.12	4/4/69	T-G
A			6	.112 DIM. WAS .088		
A			7	#0-32 THD WAS BOTH ENDS		
A			8	IT. #D69-7 REDESIGNED & REDRAWN		

TOLERANCES UNLESS OTHERWISE NOTED.
FRACTIONAL: FABRICATION UP TO 10" ± 1/16"; 10" TO 30" ± 1/8"; 30" & OVER ± 1/8%
MACHINING UP TO 10" ± .010; 10" TO 30" ± .020; 30" & OVER ± .030
DECIMAL: 00.00 ± .010; 00.000 ± .005
ANGLES ± 0°-15'
UNLESS OTHERWISE NOTED MACHINED SURFACES TO HAVE 125 FINISH

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

84 TELESCOPE -- CASSEGRAIN SPECTROGRAPH
NAME: --DETAILS-- EXPOSURE METER
SCALE FULL
PRINT ISSUED

DRAWN BY	DATE	APPROVED BY	DATE
DESIGN BY	DATE	APPROVED BY	DATE
CHECKED BY	DATE	APPROVED BY	DATE

DRAWING NUMBER 2028.01-D69 REV. C