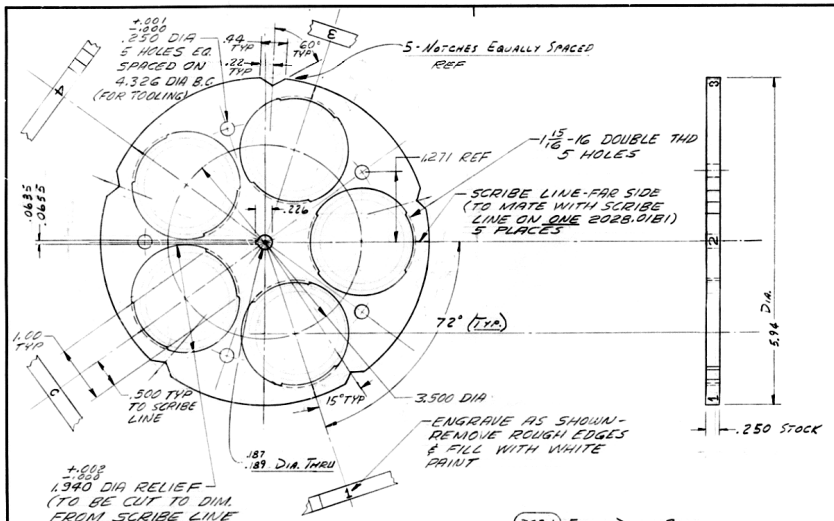
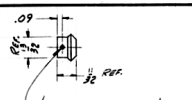


(D25-1) FILTER DISC -- REAR
No. Req'd: 1
Mat'l: ALUM. ALLOY #2024-T351 (T4)
BLACK HARD ANODIZE



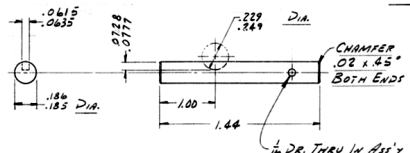
(REF.) 32 PITCH, 20° P.A., .500 P.D., 16 TEETH, .12 FACE & 3/16 BORE

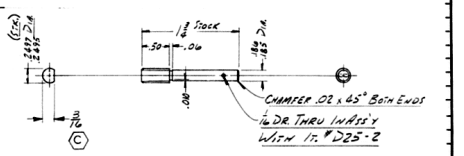
BILL OF MATERIAL

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.

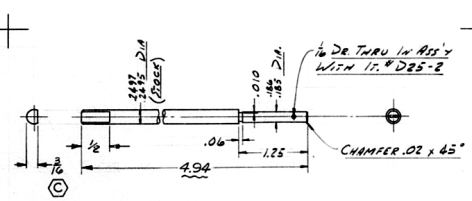
ITEM	DWG. NO.	QTY.	MATERIAL	DESCRIPTION	WEIGHT
D25-1		1	ALUM. ALLOY #2024-T351 (T4)	5.94 x 5.94 x .268 THK.	
2		8	BRASS	BOSTON MITER GEAR #G462-Y (32 P., 16 T.)	
3		1	STAINLESS STEEL #303	.186 DIA. x 1.44 LG.	
4		1	STAINLESS STEEL #303	PIC #A3-50 PRECISION GR. SHAFT 1/4 x 5	
5		1	ALUM. ALLOY #2024-T4	3/4 x 1 3/4 x 9.00	
6		1	#303 STAINLESS STEEL	PIC #A3-17 PRECISION GR. SHAFT 1/4 x 1 3/8	
7		2	#303 STAINLESS STEEL	PIC #A3-46 PRECISION GR. SHAFT 1/4 x 4.62	

(D25-2) MITER GEAR
No. Req'd: 6-FOR FRONT FILTER DISC D5-1; 2-FOR REAR FILTER DISC D4-1
Mat'l: BOSTON #G462-Y (BRASS)
ALTER AS SHOWN



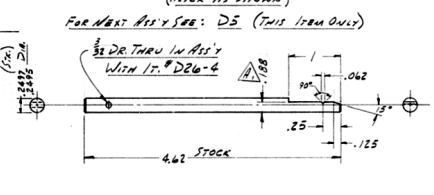


(D25-3) AXLE -- REAR FILTER DISC
No. Req'd: 1
Mat'l: STAINLESS STEEL #303
SCALE: 2 x SIZE

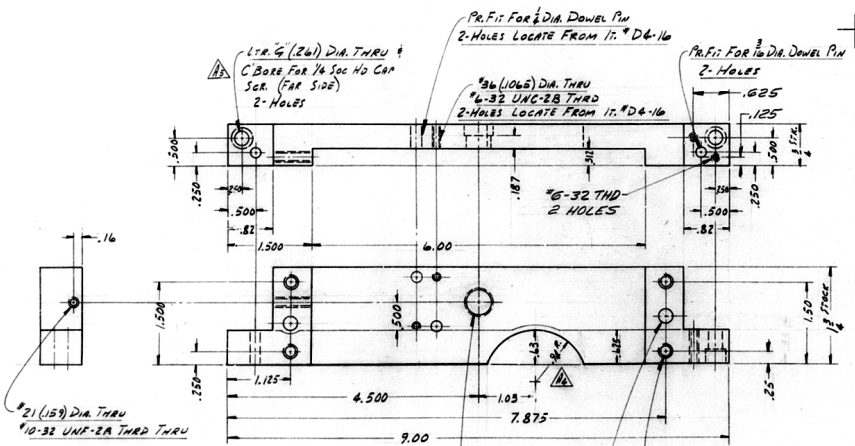


(D25-4) SHAFT
No. Req'd: 1
Mat'l: PIC #A3-50 PRECISION GROUND SHAFTING 1/4 DIA. x 5.00
ALTER AS SHOWN
OPTICAL BLACK CHEMICALLY

(D25-6) SHAFT
No. Req'd: 1
Mat'l: PIC #A3-17 PRECISION GROUND SHAFT 1/4 x 1 3/8
(ALTER AS SHOWN)
FOR NEXT ASS'Y SEE: D5 (THIS ITEM ONLY)



(D25-7) SHAFT
No. Req'd: 1-REQ'D FOR IT. #D5-1; 1-REQ'D FOR IT. #D33-1
Mat'l: PIC #A3-46 PRECISION GROUND SHAFT 1/4 x 4.62
(ALTER AS SHOWN)
FOR NEXT ASS'Y SEE: D5 (THIS ITEM ONLY)



(D25-5) PLATE -- BEARING
No. Req'd: 1
Mat'l: ALUM. ALLOY #2024-T4
BLACK SULFURIC ANODIZE

NOTE: REMOVE ALL BURRS & SHARP EDGES UNLESS OTHERWISE SPECIFIED.

TOLERANCES UNLESS OTHERWISE NOTED.
DECIMAL .00 ±.010, .000 ±.003; ANGLES ± 1/4°
FRACTIONAL-- FABRICATION UP TO 10" ± 1/16, 10" TO 50" ± 1/8, 50" & OVER ± .25; MACHINING UP TO 18" ± .016, 18" TO 50" ± .020, 50" & OVER ± .050
MACHINED SURFACES ARE FINISHED TO 125 UNLESS OTHERWISE SPECIFIED.

QUANT.	PRINT RECORD	DATE	NO.	REVISION	DATE	BY
			D	REVISED FILTER DISC D25-1	2382	4-16-81 LC
			C	REMOVE 3/8 HI-ADD FLATS ITEMS 2224-6	0041	7/9/68 DN
			B	REVISED AS-BUILT	ECR	10/16/67 WJE
			A5	ADDED C'BORE FOR 1/4 SOC. HD CAP SCR.		
			A4	ADDED .94 R.		
			A3	IT. D25-6 1-REQ'D WAS 1-REQ'D FOR IT. D5-1 & 1-REQ'D FOR IT. D33-1		
			A2	IT. D25-7 1-REQ'D FOR IT. D5-1 & 1-REQ'D FOR D33-1 WAS 1-REQ'D		
			A1	ADDED .188 DIM.		

2425 FSCM 65 PETRI

For Next Assembly See: 2028.01-D4 & D5

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

84" TELESCOPE -- CASSEGRAIN SPECTROGRAPH

DESIGNED BY LC MACKRILL DATE 4-10-62
DRAWN BY PETRI DATE 10-8-63
APPROVED BY LCM DATE 4-16-81
SCALE FULL
DWG. NUMBER 2028.01-D25 REV. D

NAME DETAILS REAR FILTER DISC

REC. FILE 2090