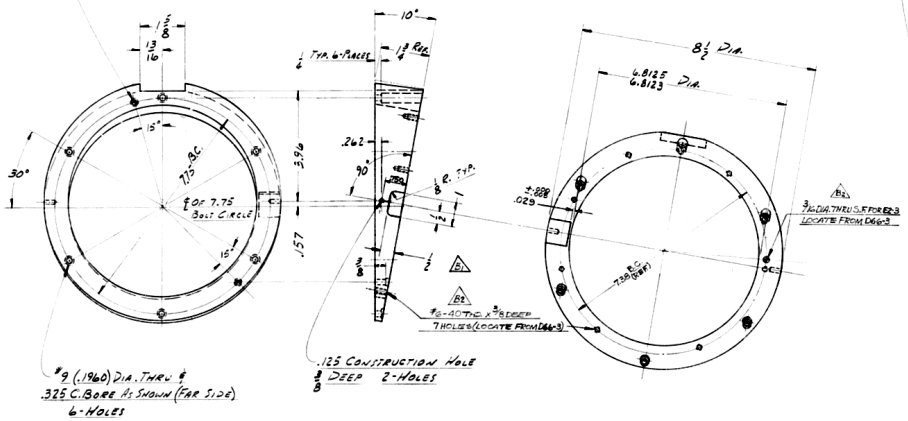
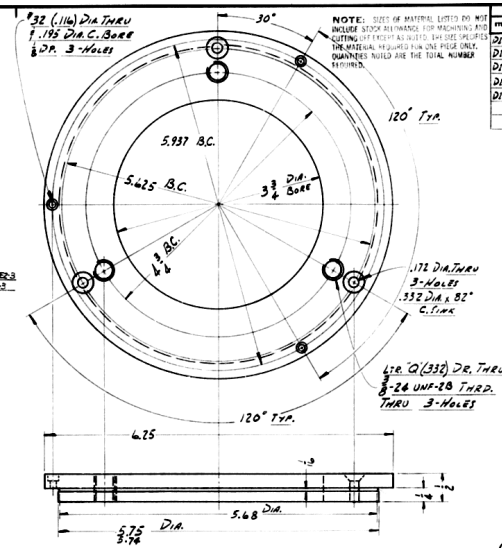


D12-3 FLANGE - MIRROR CELL HOUSING MOUNTING
1-REQ'D
SCALE: HALF
MAT'L: ALUM. #2024-T351
BREAK EDGES .01
FINISH: BLACK SULFURIC ANODIZE

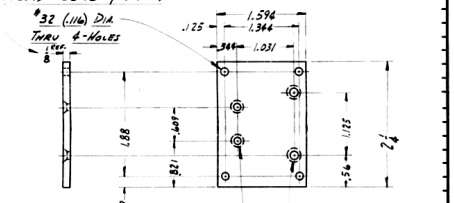


NOTE: SIZES OF MATERIAL LISTED DO NOT INCLUDE STOCK ALLOWANCE FOR MACHINING AND CUTTING OFF EXCEPT AS NOTED. WHERE SPECIFIED THE MATERIAL REQUIRED FOR ONE PIECE ONLY. QUANTITIES NOTED ARE THE TOTAL NUMBER REQUIRED.

BILL OF MATERIAL

ITEM	DWG. NO.	QTY.	MATERIAL	DESCRIPTION	WEIGHT
D12-1		1	NAVAL BRASS #450	1 1/16 x 1 1/2 x 2 1/16	
D12-2		1	ALUM. #2024-T4	½ x 6.25 x 6.25	
D12-3		1	ALUM. #2024-T4	1⅛ x 8½ x 8½	
D12-4		1	ALUM. #6061-T6	7.000 DIA. x 6⅞	
D12-5		1	ALUM. #2024-T4	⅛ x 1.594 x 2¼	

ADJUST THIS DIM. AT ASS'Y TO ACCOMPLISH 6.125 CENTER DISTANCE BETWEEN ITEMS #E2-18 & D14-1

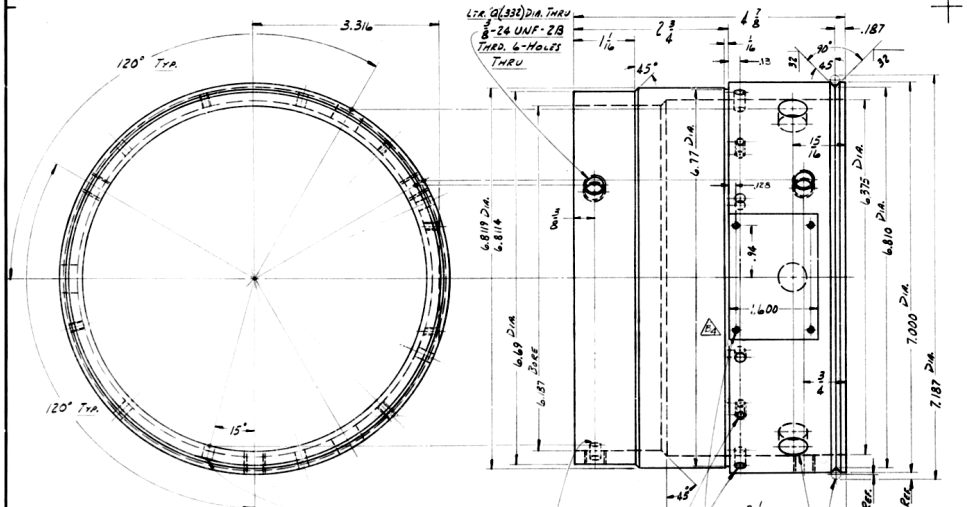


D12-5 MOUNTING PL. - COUNTER
1-REQ'D
MAT'L: ALUM. #2024-T4
BREAK EDGES .01
FINISH: BLACK SULFURIC ANODIZE

D & C SINK (FAR SIDE) FOR #8-32 FL HD SCR. 2 HOLES

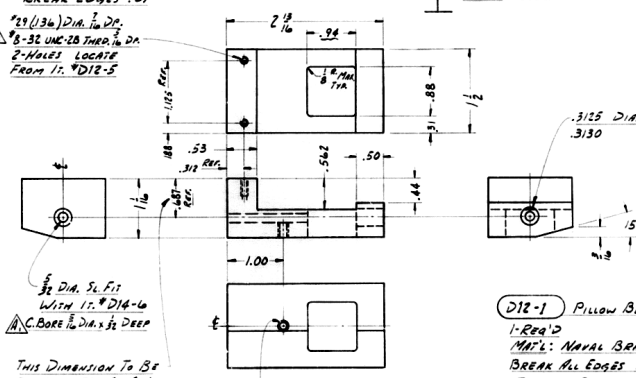
#32 (.116) DIA. THRU 2-HOLES ⅛ C.SINK .260 DIA. x 82° FAR SIDE

D12-2 END PL - MIRROR CELL
1-REQ'D MAT'L: ALUM. #2024-T351
FINISH: BLACK SULFURIC ANODIZE
BREAK EDGES .01



D12-4 HOUSING - MIRROR CELL
1-REQ'D
MAT'L: ALUM. #2024-T351
BREAK EDGES .01
FINISH: BLACK SULFURIC ANODIZE

#29 (.136) DIA. 7/16 DP. #8-32 UNC-2B THRD. 7/16 DP. 2-HOLES LOCATE FROM LT. #D12-5



THIS DIMENSION TO BE DETERMINED AT ASS'Y FROM #D14-6

D12-1 PILLOW BLOCK
1-REQ'D
MAT'L: NAVAL BRASS #450
BREAK ALL EDGES .01
FINISH: OPTICAL BLACK CHEMICALLY

REF FILE 2090

FOR ASSEMBLY SEE 2028.01-E2

QUANT.	PRINT RECORD	DATE

NO.	REVISION	DATE	BY
B4	.187⌀ DIA. - 2 HOLES REMOVED FROM D12-4	12-31-60	MF
B3	#6-40 THD. (6 HOLES) & 3/8 DIA. (6 HOLES) IN D12-4		PCR
B2	#6-40 THD. (7 HOLES) & 3/8 HOLE ADDED IN D12-3		
B1	#49 (.073) DIA. - 2 HOLES IN D12-3		
A3	DR & C SINK FOR #8-32 FL.HD. SCR.		
A2	WAS #30 (.1285) DIA. THRU & .285 x 82° C SINK		
A1	#29 (.136) DIA. & #8-32 THRD. WERE		
	#38 (.1015) DIA. & #5-40 THRD.		
A	ADDED C'BORE 1/16 DIA. x .032 DEEP		

TOLERANCES UNLESS OTHERWISE NOTED:
DECIMAL ±.010 ±.005 ±.002 ±.0005 ANGLES ± 1/2°
FRACTIONAL ±
FABRICATION: UP TO 10" ± 1/16, 10" TO 50" ± 1/8, 50" & OVER ± .5%
MACHINING: UP TO 10" ± .015, 10" TO 50" ± .020, 50" & OVER ± .040
⊥ .002/INCH
MACHINED SURFACES ARE FINISHED TO 125 UNLESS OTHERWISE SPECIFIED.

FOR 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

DESIGNED BY	K.C. MACNEILL	DATE 8-30-61
DRAWN BY	PETRI	DATE 1-8-62
TRACED BY		DATE
CHECKED BY		DATE
SCALE	FULL	

NAME: DETAILS COLLIMATOR
DWG. NUMBER: 2028.01-D12
REV. B

DIETZGEN-POST CLEARPRINT 10000