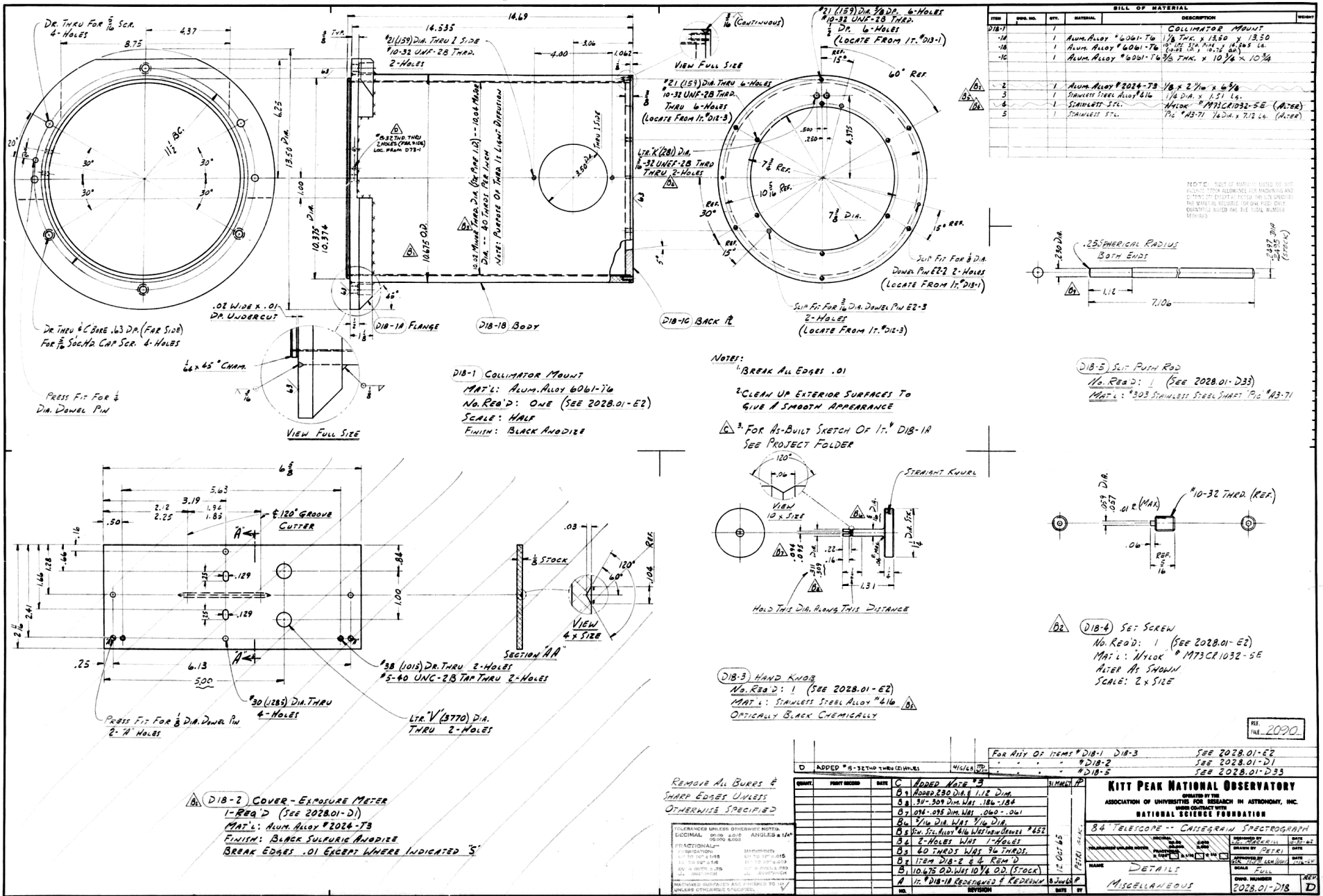


D18-1 COLLIMATOR MOUNT
MAT'L: ALUM. ALLOY 6061-T6
NO. REQ'D: ONE (SEE 2028.01-E2)
SCALE: HALF
FINISH: BLACK ANODIZE

NOTES:
1. BREAK ALL EDGES .01
2. CLEAN UP EXTERIOR SURFACES TO GIVE A SMOOTH APPEARANCE
C 3. FOR AS-BUILT SKETCH OF LT. "V" D18-1A SEE PROJECT FOLDER

D18-5 SLIT PUSH ROD
NO. REQ'D: 1 (SEE 2028.01-D33)
MAT'L: #303 STAINLESS STEEL SHAFT PIC #A3-71

B2 D18-4 SET SCREW
NO. REQ'D: 1 (SEE 2028.01-E2)
MAT'L: NYLOK "M73CR1032-5E
ALTER AS SHOWN
SCALE: 2 x SIZE

D18-3 HAND KNOB
NO. REQ'D: 1 (SEE 2028.01-E2)
MAT'L: STAINLESS STEEL ALLOY "416 B1
OPTICALLY BLACK CHEMICALLY

B2 D18-2 COVER - EXPOSURE METER
1-REQ'D (SEE 2028.01-D1)
MAT'L: ALUM. ALLOY "2024-T3
FINISH: BLACK SULFURIC ANODIZE
BREAK EDGES .01 EXCEPT WHERE INDICATED "S"

REMOVE ALL BURRS & SHARP EDGES UNLESS OTHERWISE SPECIFIED

TOLERANCES UNLESS OTHERWISE NOTED:
DECIMAL .00 ±.01 .000 ±.005 ANGLES ± 1/4°
FRACTIONAL ± 1/64 UP TO 10" ± 1/16 10 TO 100" ± 1/8 OVER ± 1/4
MACHINED SURFACES ARE FINISHED TO 125 UNLESS OTHERWISE SPECIFIED.
MACHINING UP TO 10" ± .015 10 TO 100" ± .030 OVER ± .060
ASSEMBLY

BILL OF MATERIAL

ITEM	DWG. NO.	QTY.	MATERIAL	DESCRIPTION	WEIGHT
D18-1		1		COLLIMATOR MOUNT	
-1A		1	ALUM. ALLOY "6061-T6	1/8 THK. x 13.50 x 13.50	
-1B		1	ALUM. ALLOY "6061-T6	10 3/4 DIA. x 6 3/4 LG. (10.755 DIA. x 6.265 LG.)	
-1C		1	ALUM. ALLOY "6061-T6	3 3/8 THK. x 10 3/4 x 10 3/4	
-2		1	ALUM. ALLOY "2024-T3	1/8 x 2 1/16 x 6 5/8	
-3		1	STAINLESS STEEL ALLOY "416	1/4 DIA. x 1.31 LG.	
-4		1	STAINLESS STL.	NYLOK "M73CR1032-5E (ALTER)	
-5		1	STAINLESS STL.	PIC "A3-71 1/16 DIA. x 7.12 LG. (ALTER)	

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.

QUANT.	PRINT RECORD	DATE	C	ADDED NOTE "3	3 MAR 65	JP
			B9	ADDED .280 DIA. & 1.12 DIM.		
			B8	.314-.309 DIM. WAS .186-.184		
			B7	.096-.095 DIM. WAS .040-.041		
			B6	5/16 DIA. WAS 9/16 DIA.		
			B5	STN. STL. ALLOY "416 WAS NICKEL BRONZE "652		
			B4	2-HOLES WAS 1-HOLES		
			B3	60 THRDS WAS 96 THRDS.		
			B2	ITEM D18-2 & 4 REM'D		
			B1	10.675 O.D. WAS 10 1/8 O.D. (STOCK)		
			A	LT. "D18-1B REDESIGNED & REDRAWN	8 JUN 64	JP
			NO.	REVISION	DATE	BY

D ADDED "6-32 THD THRU (2) HOLES 4/16/65 JP

FOR ASSY OF ITEMS "D18-1 D18-3	SEE 2028.01-E2
" " " "D18-2	SEE 2028.01-D1
" " " "D18-5	SEE 2028.01-D33

REF. FILE 2020.

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

ORIGINAL	DESIGNED BY W.C. MACKRILL	DATE 12 OCT 65
TOLERANCES UNLESS NOTED: DECIMAL .00 ±.01 .000 ±.005 ANGLES ± 1/2° FRACTIONAL ± 1/64	DRAWN BY PETRI	DATE
	APPROVED BY W.C. MACKRILL C.M. WARD	DATE 12 OCT 65
NAME DETAILS MISCELLANEOUS	SCALE FULL	
	DWG. NUMBER 2028.01-D18	REV D

PATH FILE: