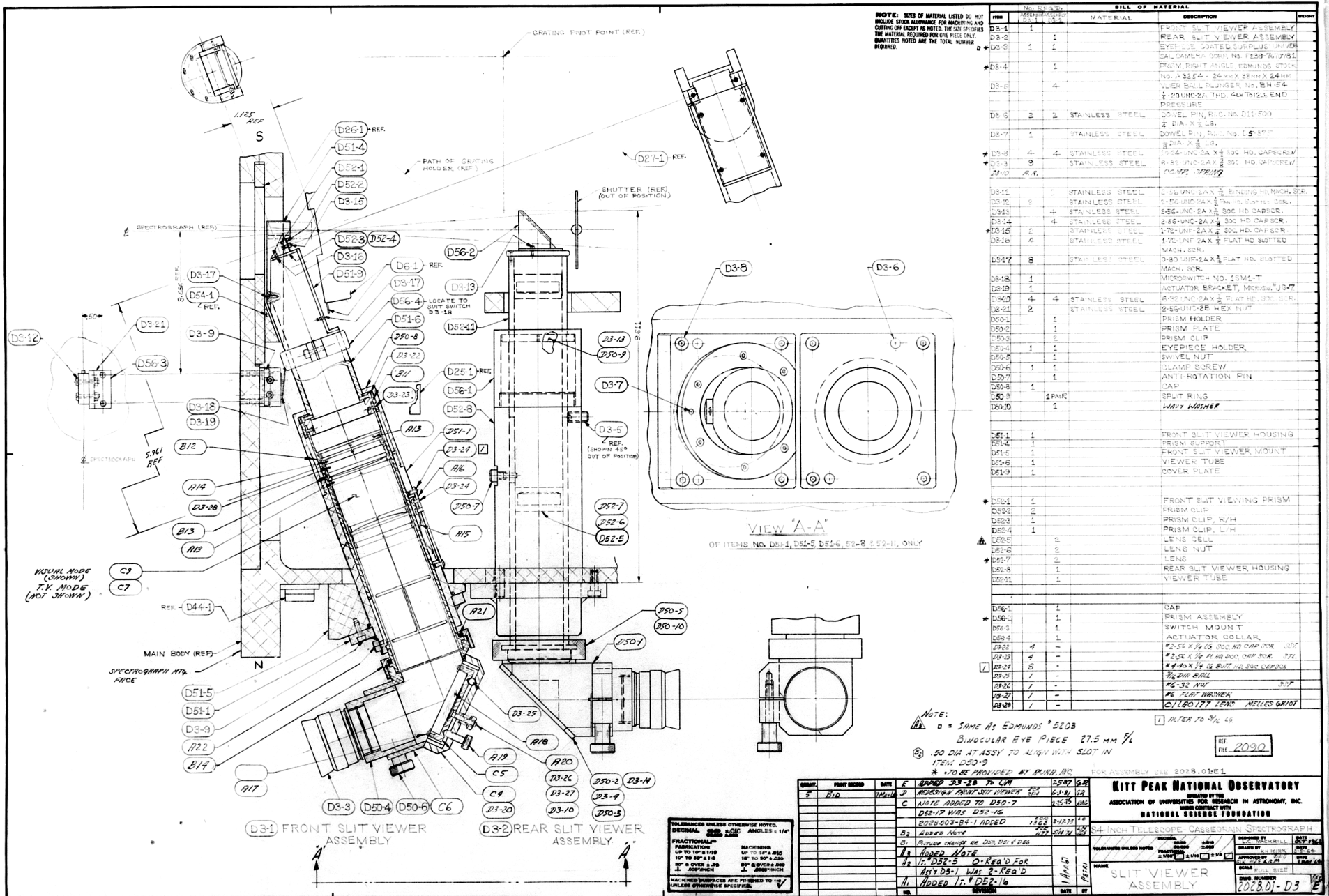


NOTE: SIZES OF MATERIAL LISTED DO NOT INCLUDE STOCK ALLOWANCE FOR MACHINING AND CUTTING OFF EXCEPT AS NOTED. THE SIZE SPECIFIES THE MATERIAL REQUIRED FOR ONE PIECE ONLY. QUANTITIES NOTED ARE THE TOTAL NUMBER REQUIRED.

BILL OF MATERIAL

ITEM	No. REQ'D ASSEMBLY D3-1	No. REQ'D ASSEMBLY D3-2	MATERIAL	DESCRIPTION	WEIGHT
D3-1	1			FRONT SLIT VIEWER ASSEMBLY	
D3-2		1		REAR SLIT VIEWER ASSEMBLY	
D3-3	1	1		EVER-LUS, COATED, SURPLUS UNIVER SAL CAMERA CORP. No. F288-7/7/81	
* D3-4		1		PRISM, RIGHT ANGLE, EDMUNDS 5203 NO. A 3254 - 24 mm X 48 mm X 24 mm	
D3-5		4		VLIER BALL PLUNGER, No. BH-54 $\frac{1}{4}$-20 UNC-2A THD. 416 STEEL END PRESSURE	
D3-6	2	2	STAINLESS STEEL	DOWEL PIN, R.L.C. No. D11-500 $\frac{1}{4}$ DIA. X $\frac{1}{2}$ LG.	
D3-7	1		STAINLESS STEEL	DOWEL PIN, R.L.C. No. D5-375 $\frac{3}{8}$ DIA. X $\frac{3}{4}$ LG.	
* D3-8	4	4	STAINLESS STEEL	10-24 UNC-2A X $\frac{1}{2}$ SOC HD. CAPSCREW	
* D3-9	9		STAINLESS STEEL	8-32 UNC-2A X $\frac{3}{8}$ SOC HD. CAPSCREW	
D3-10	A.R.			CONST. SPRING	
D3-11		2	STAINLESS STEEL	2-56 UNC-2A X $\frac{3}{16}$ BINDING HD. MACH. SCR.	
D3-12	2		STAINLESS STEEL	2-56 UNC-2A X $\frac{1}{2}$ FLAT HD. SLOTTED SCR.	
D3-13		4	STAINLESS STEEL	2-56-UNC-2A X $\frac{1}{4}$ SOC HD CAPSCR.	
D3-14		4	STAINLESS STEEL	2-56-UNC-2A X $\frac{1}{4}$ SOC HD CAPSCR.	
* D3-15	2		STAINLESS STEEL	1-72-UNF-2A X $\frac{1}{4}$ SOC. HD. CAPSCR.	
D3-16	4		STAINLESS STEEL	1-72-UNF-2A X $\frac{1}{2}$ FLAT HD SLOTTED MACH. SCR.	
D3-17	8		STAINLESS STEEL	0-80 UNF-2A X $\frac{3}{16}$ FLAT HD. SLOTTED MACH. SCR.	
D3-18	1			MICROSWITCH NO. 1SM1-T	
D3-19	1			ACTUATOR BRACKET, MICROSW. "US-7	
D3-20	4	4	STAINLESS STEEL	8-32 UNC-2A X $\frac{5}{8}$ FLAT HD. SOC. SCR.	
D3-21	2		STAINLESS STEEL	2-56 UNC-2B HEX NUT	
D50-1	1			PRISM HOLDER	
D50-2	1			PRISM PLATE	
D50-3	2			PRISM CLIP	
D50-4	1			EYEPIECE HOLDER	
D50-5	1			SWIVEL NUT	
D50-6	1			CLAMP SCREW	
D50-7	1			ANTI-ROTATION PIN	
D50-8	1			CAP	
D50-9		1 PAIR		SPLIT RING	
D50-10		1		WAVY WASHER	
D51-1	1			FRONT SLIT VIEWER HOUSING	
D51-4	1			PRISM SUPPORT	
D51-5	1			FRONT SLIT VIEWER MOUNT	
D51-6	1			VIEWER TUBE	
D51-9	1			COVER PLATE	
* D52-1	1			FRONT SLIT VIEWING PRISM	
D52-2	2			PRISM CLIP	
D52-3	1			PRISM CLIP, R/H	
D52-4	1			PRISM CLIP, L/H	
⚠ D52-5		2		LENS CELL	
D52-6		2		LENS NUT	
* D52-7		2		LENS	
D52-8		1		REAR SLIT VIEWER HOUSING	
D52-11		1		VIEWER TUBE	
D56-1		1		CAP	
* D56-2		1		PRISM ASSEMBLY	
D56-3		1		SWITCH MOUNT	
D56-4		1		ACTUATOR COLLAR	
D3-22	4	-		#2-56 X 1/4 LG. SOC. HD CAP SCR.	SUP.
D3-23	4	-		#2-56 X 1/4 FLAT HD SOC CAP SCR.	STD.
✓ D3-24	8	-		#4-40 X 1/4 LG SUIT HD SOC CAP SCR	
D3-25	1	-		3/16 DIA ROLL	
D3-26	1	-		#6-32 NUT	SUP.
D3-27	1	-		#6 FLAT WASHER	
D3-28	1	-		OILRO 177 LENS MELLES GRIOT	

✓ FILTER TO 3/16 LG.

NOTE:
⚠ D = SAME AS EDMUNDS #5203 BINOCULAR EYE PIECE 27.5 mm F/L
(2) .50 DIA AT ASSY TO ALIGN WITH SLOT IN ITEM D50-9
* TO BE PROVIDED BY DAVIS, INC.

FOR ASSEMBLY SEE 2028.01-E1

REF. FILE 2090

QUANT.	PRINT RECORD	DATE			
5	BJD	7 MAY 74	E	ADDED D3-28 TO C/M	2.507 GLB
			D	REVISION NOTE 4% 4%	6.3-84 GLB
			C	NOTE ADDED TO D50-7	4.5.75 GLB
				D52-17 WAS D52-16	
				2028.003-B4-1 ADDED 1 SEP 1 DEC	2-17-75 *C
			B2	ADDED NOTE 4% 10%	5-14-74 GLB
			B1	FUTURE CHANGE AS DOT DEI: 4 DEC	
			A2	ADDED NOTE	
			A1	I/: D52-3 O-REQ'D FOR ASSY D3-1 WAS 2-REQ'D	1 MAY 74 PETRI
			A	ADDED I/: D52-16	
NO.			REVISION	DATE	BY

TOLERANCES UNLESS OTHERWISE NOTED.
DECIMAL .XX ±.01 .XXX ±.005 ANGLES ± 1/4°
FRACTIONAL FABRICATION ± 1/16 UP TO 10" ± 1/16 10" TO 20" ± 1/8 20" & OVER ± .015 / .XX
MACHINING UP TO 18" ± .015 18" TO 30" ± .030 30" & OVER ± .060 .XX ±.010 .XXX ±.005
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

TOLERANCES UNLESS NOTED: DECIMAL .XX ±.01 .XXX ±.005; FRACTIONAL ± 1/16 ± 1/64
DESIGNED BY L.C. VANCHRILL DATE OCT 1962
DRAWN BY A.N. KIRK DATE OCT 5-6-
APPROVED BY DATE
SCALE FULL SIZE DATE 1 MAY 74

NAME SLIT VIEWER ASSEMBLY

DWG. NUMBER 2028.01-D3 SIZE E