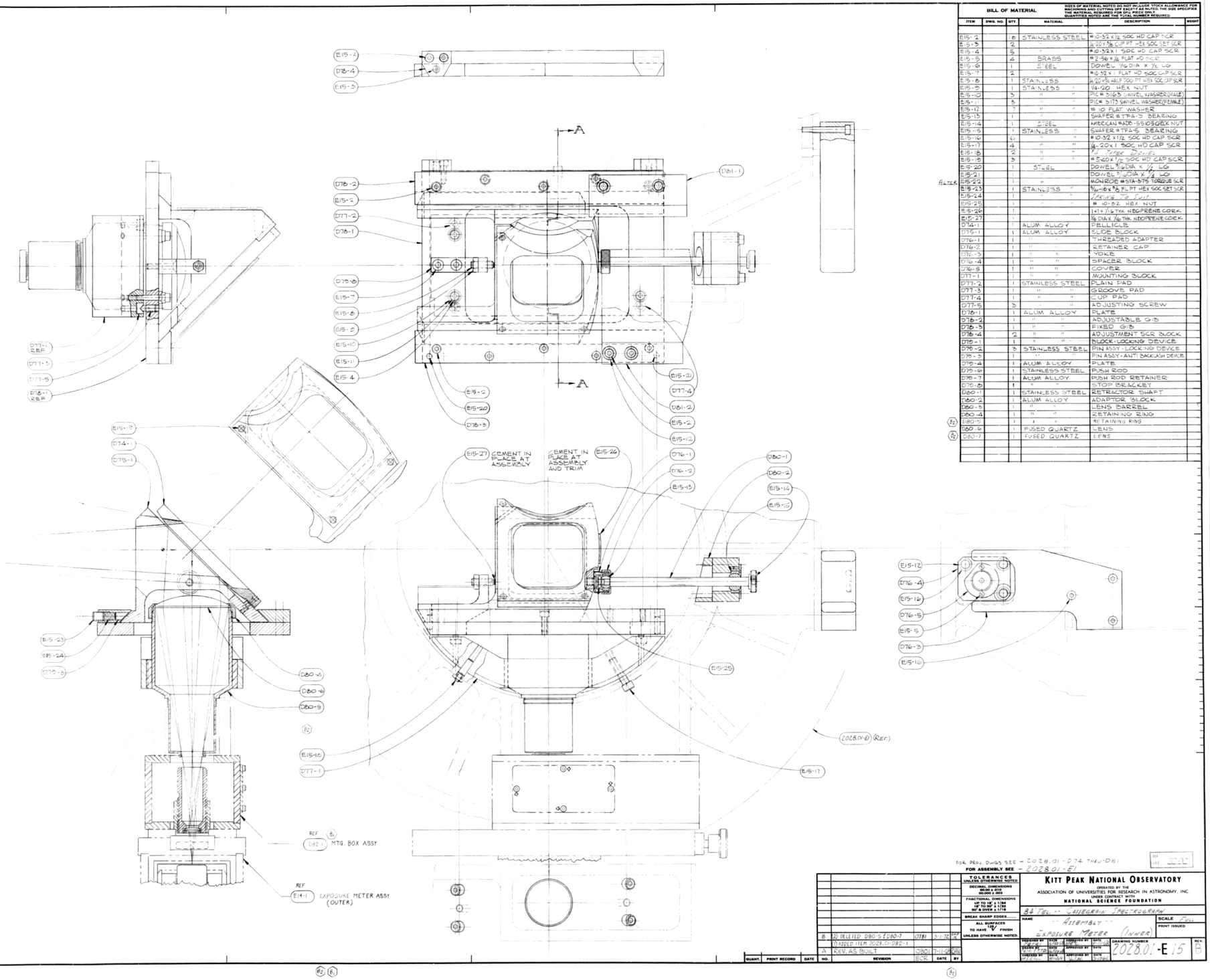


BILL OF MATERIAL				SIZES OF MATERIAL NOTED DO NOT INCLUDE STOCK ALLOWANCE FOR MACHINING AND CUTTING OFF EXCEPT AS NOTED. THE SIZE SPECIFIES THE MATERIAL REQUIRED FOR ONLY PIECE ONLY. QUANTITIES NOTED ARE THE TOTAL NUMBER REQUIRED.	
ITEM	DWG. NO.	QTY.	MATERIAL	DESCRIPTION	WEIGHT
E15-2		10	STAINLESS STEEL	#10-32 X 1/2 SOC HD CAP SCR	
E15-3		2	" "	#10-32 X 3/8 CUP PT HEX SOC SET SCR	
E15-4		5	" "	#0-32 X 1 SOC HD CAP SCR	
E15-5		4	BRASS	#2-56 X 1/4 FLAT HD SCR	
E15-6		1	STEEL	DOWEL 1/16 DIA X 1/2 LG	
E15-7		2	"	#10-32 X 1 FLAT HD SOC CAP SCR	
E15-8		1	STAINLESS "	#10-32 X 1/2 HALF DOG PT HEX SOC CUP SCR	
E15-9		1	STAINLESS "	1/4-20 HEX NUT	
E15-10		3	" "	PIC # 3163 SWIVEL WASHER (MALE)	
E15-11		3	" "	PIC # 3173 SWIVEL WASHER (FEMALE)	
E15-12		7	" "	#10 FLAT WASHER	
E15-13		1	" "	SHAFER # TFA-5 BEARING	
E15-14		1	STEEL	AMERICAN RADE-SSI0 SHEAR NUT	
E15-15		1	STAINLESS "	SHAFER # TFA-5 BEARING	
E15-16		6	" "	#10-32 X 1 1/2 SOC HD CAP SCR	
E15-17		4	" "	1/4-20 X 1 SOC HD CAP SCR	
E15-18		2	" "	1/4 " "	
E15-19		3	" "	#5-40 X 1/2 SOC HD CAP SCR	
E15-20		1	STEEL	DOWEL 1/16 DIA X 1/2 LG	
E15-21		1	"	DOWEL 1/16 DIA X 1/4 LG	
E15-22		1	"	MONROE # STA-375 TORQUE SCR	
E15-23		1	STAINLESS "	5/16-18 X 5/8 FL PT HEX SOC SET SCR	
E15-24		1	" "	ALTER TO SUIT	
E15-25		1	" "	#10-32 HEX NUT	
E15-26		1	" "	1/4 X 1/16 THK NEOPRENE GORK	
E15-27		1	" "	1/8 DIA X 1/16 THK NEOPRENE GORK	
D74-1		1	ALUM ALLOY	PELLICLE	
D75-1		1	ALUM ALLOY	SLIDE BLOCK	
D76-1		1	" "	THREADED ADAPTER	
D76-2		1	" "	RETAINER CAP	
D76-3		1	" "	YOKE	
D76-4		1	" "	SPACER BLOCK	
D76-5		1	" "	COVER	
D77-1		1	" "	MOUNTING BLOCK	
D77-2		1	STAINLESS STEEL	PLAIN PAD	
D77-3		1	" "	GROOVE PAD	
D77-4		1	" "	CUP PAD	
D77-5		5	" "	ADJUSTING SCREW	
D78-1		1	ALUM ALLOY	PLATE	
D78-2		1	" "	ADJUSTABLE GIB	
D78-3		1	" "	FIXED GIB	
D78-4		2	" "	ADJUSTMENT SCR BLOCK	
D78-1		1	" "	BLOCK-LOCKING DEVICE	
D78-2		3	STAINLESS STEEL	PIN ASSY - LOCKING DEVICE	
D78-3		1	" "	PIN ASSY - ANTI BACKLASH DEVICE	
D78-4		1	ALUM ALLOY	PLATE	
D79-6		1	STAINLESS STEEL	PUSH ROD	
D79-7		1	ALUM ALLOY	PUSH ROD RETAINER	
D79-8		1	" "	STOP BRACKET	
D80-1		1	STAINLESS STEEL	RETRACTOR SHAFT	
D80-2		1	ALUM ALLOY	ADAPTOR BLOCK	
D80-3		1	" "	LENS BARREL	
D80-4		1	" "	RETAINING RING	
B2 D80-5		1	" "	RETAINING RING	
D80-6		1	FUSED QUARTZ	LENS	
B2 D80-7		1	FUSED QUARTZ	LENS	

FOR PROJ. DWGS SEE - 2028.01-D74 THRU-D81

FOR ASSEMBLY SEE - 2028.01-E1

QUANT.	PRINT RECORD	DATE	NO.	REVISION	DATE	BY
			B	(2) DELETED D80-5 & D80-7 ADDED ITEM 2028.01-D82-1	(ITEL)	5-1-72
			A	REV. AS BUILT	3201-7111-6	ECR

TOLERANCES UNLESS OTHERWISE NOTED
DECIMAL DIMENSIONS UP TO 3 PLACES ±.005 OVER 3 PLACES ±.010
FRACTIONAL DIMENSIONS UP TO 15" ± 1/64 UP TO 60" ± 1/32 60" & OVER ± 1/16
BREAK SHARP EDGES
ALL SURFACES TO HAVE 125 FINISH UNLESS OTHERWISE NOTED

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

B & L - CASSEGRAIN SPECTROGRAPH
NAME - ASSEMBLY - EXPOSURE METER (OUTER)
SCALE FULL
PRINT ISSUED

DESIGNED BY	CDR	DRAWN BY	TDR	TRACED BY	DATE	DRAWING NUMBER
CHECKED BY	DATE	APPROVED BY	DATE			2028.01-E15
ISSUED BY	DATE	APPROVED BY	DATE			REV. B