NOTES: UNLESS OTHERWISE NOTED
1. REMOVE ALL BURRS AND SHARP EDGES
2. MACHINED SURFACE ROUGHNESS 125

REVISIONS					
ZONE	LTR	DESCRIPTION	ECR	DATE	BY	APVD
	A	ITEMS 20,21,42,43&44 ADDED				
		ITEM 35 WAS 4 REQD				
		ITEM 32 WAS 4 REQD	2920	8-25-80	LC	[illegible]

VIEW A-A

.62

.62

SHUTTER

2.375 TRAVEL REF

18 CEMENT IN PLACE

24 BORE TO .312 DIA +.001 -.000

<2028.01-D35 REF

22 — 4 THD HOLES TO 6-32

23 — ALTER TO .81 Lg, 2 THD HOLES TO 6-32

1 SHUTTER DRIVE ASSY- 1 REQD

QTY REQD	PART OR I.D. NO.	DESCRIPTION	MAT'L/SPEC.	ZONE	ITEM NO.
4	–	#4-40 × 1/4 BUTTON HD CapScr. SST		2D	44
1	2028.01A12	COVER		2D	43
1	750-3-0PN	DEUTSCH CONNECTOR		5C	42
A.R.	–	URETHANE WEATHERSTRIP-TO SUIT		6C	41
8	–	#2 FLAT WASHER	BRASS	4B	40
4	–	1/4" FLAT WASHER	- SST	6D	39
2	–	3/16 DIA × 5/8 DOWEL	- SST	3B	38
2	–	1/4-28 HEX JAM NUT	- SST	2C	37
2	–	1/4-28 × 3/4 CUP PT Soc SET SCR-SST		2C	36
8	–	#6-32 × 1/4 BINDING HD SCR - STL		3C,5C	35
8	–	#2-56 × 1/2 RND HD SCR	-BRASS	4B	34
4	–	#4-40 × 1/4 FLAT HD Soc CAP SCR SST		5C	33
8	–	#6-32 × 3/8 Soc HD CAP SCR-SST		4C,6D	32
2	–	#4-40 × 1/8 Soc HD CAP SCR-SST		5B	31
6	–	#6-32 × 1/4 Soc HD CAP SCR-SST		4A	30
6	–	#10-32 × 1/2 Soc HD CAP SCR-SST		2C,3B	29
6	–	#10-32 × 5/8 Soc HD Cap SCR- SST		6C,5D	28
1	–	1/8 DIA × 3/4 ROLL PIN	- STD.	5B	27
4	–	1/4-20 × 1" KNURLED THUMB SCR-BRASS		6D	26
1	750-19-0PN	DEUTSCH CONNECTOR		3C	25
1	P32528-24	BERG GEAR (24T.-32PITCH)		2C	24
4	15X	MICROSWITCH WITH JX-90 LEAF		4B	23
1	BG-17	BERG PLAIN BUSHING		6B	22
1	C-5A-1054	GLOBE DC. MOTOR-24V.-60 R/M		4C	21
1	2028.01B10	CONNECTOR BLOCK		4D	20
1	2027.001-856	CONNECTOR MTG BRKT		5B	19
1	2028.01D65-1	NAME PLATE		4C	18
4	2094A23	NUT PLATE		4A	17
1	2028.01A11	BUSHING RETAINER		5B	16
1	A10	SHEAR PIN		3C	15
1	A9	GUIDE		5B	14
1	A8	SHIM		7C	13
2	A7	SWITCH BRACKET		4A	12
1	A6	SPACER		4B	11
2	A5	STOP BLOCK		1C	10
1	2028.01A4	ACTUATOR		5B	9

CONTINUED

QTY REQD	PART OR IDENTIFYING NO.	DESCRIPTION	MATERIAL/SPECIFICATION	ZONE	ITEM NO.
1	2028.01B9	COVER SLIDE		1B	8
1	B8	RACK		7C	7
1	B7	MOTOR MOUNT		5D	6
1	B6	CONNECTOR MOUNT		5C	5
1	B5	MOTOR MOUNT BASE		6C	4
1	B4	BUSHING BLOCK		2B	3
1	C2	COVER		5C	2
1	2028.01D99	SHUTTER DRIVE ASSY		5A	1

PARTS LIST

TOLERANCES
UNLESS OTHERWISE NOTED
DECIMALS: XX ± .03, XXX ± .010
FRACTIONS: ± —
ANGULAR: ± 0° 30'

NEXT ASSEMBLY 2028.01-E1

84" TEL. CASSEGRAIN SPECTROGRAPH

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

NAME: SHUTTER DRIVE ASSY
REF FILE 2090
DWG CL.

SCALE FULL
PRINT ISSUED

DESIGNED BY LC	DATE 6-2-80	APPROVED BY A.A.L.	DATE 6-9-80	DWG NO. 2028.01D99	REV H
DRAWN BY LC	DATE 6-2-80	APPROVED BY	DATE		
CHECKED BY	DATE	APPROVED BY	DATE	RELEASE DATE 6-9-80	

PEB 6-9-80