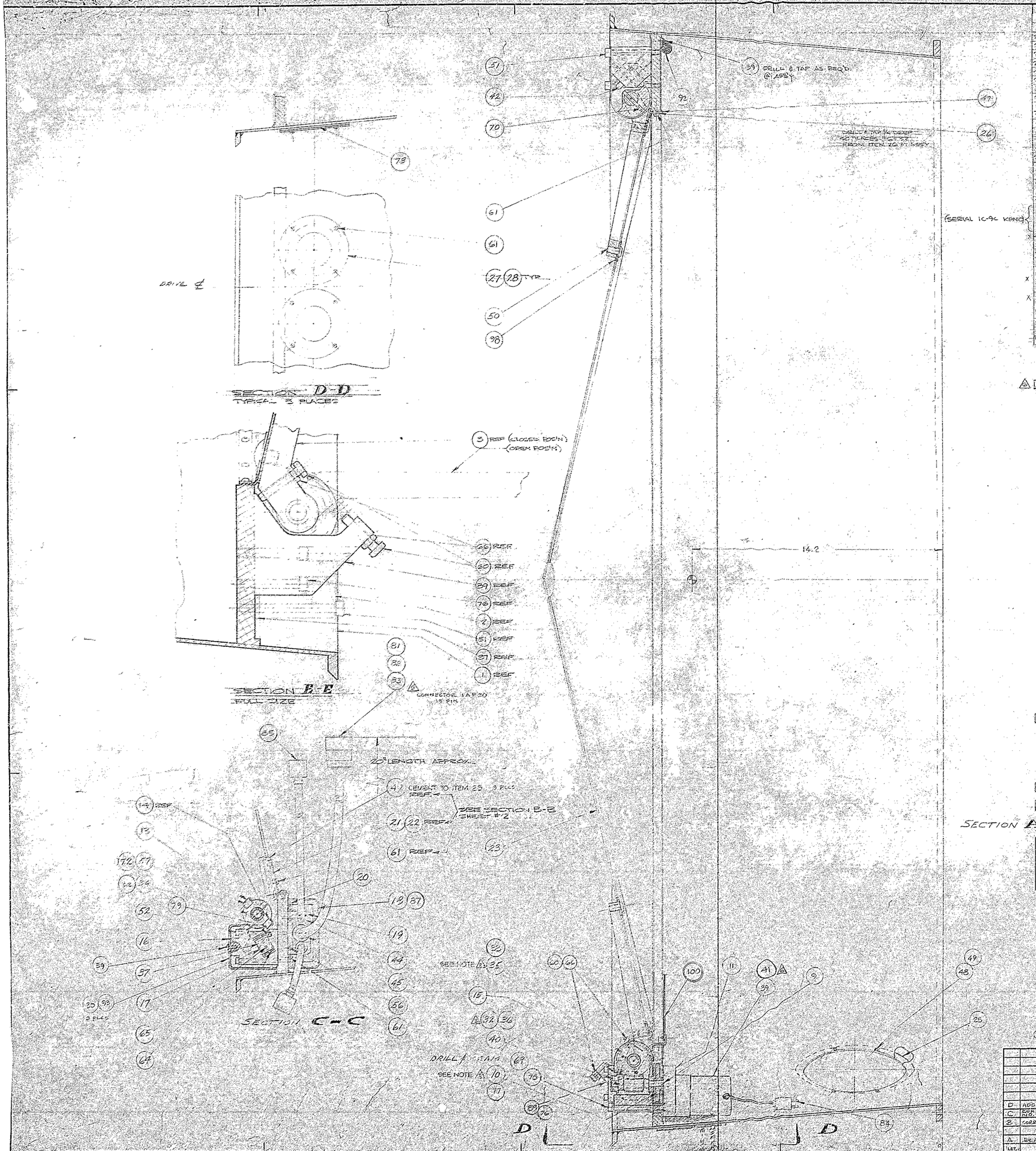

AURA DWG #	S&C DWG NO	ITEM	QTY.	MATERIAL	DESCRIPTION	WEIGHT
2150.550 B003	E 312 30	1	1		COVER MOUNT	90.0
2150.550 C001	C 312 34	2	3		DRIVE GEAR HOUSING	2.15
2150.550 D005	D 312 32	3	3		PETAL PIVOT BRACKET	6.30
2150.550 B010	B 312 45	4	16		MECHANICAL STOP MOUNT	5.40
2150.550 B022	B 312 47	5	12		STOP BEARING HOUSING	4.08
2150.550 B021	B 312 46	6	6		MECHANICAL STOP BLOCK	1.50
		7				
2150.550 C008	C 312 35	8	6		DRIVE BEARING HOUSING	2.10
2150.550 B009	B 312 36	9	3		WORM SHAFT	.69
2150.550 B010	B 312 37	10	3		MOTOR SHAFT SPUR GEAR	.24
2150.550 B011	B 312 38	11	3		MOTOR MOUNT PLATE	.70
2150.550 B014	B 312 40	12	3		BEARING RETAINER	.24
2150.550 B025		13	2		LIMIT SWITCH TRIP BAR - SHORT (OPEN)	3.06
2150.550 B030		14	3		LIMIT SWITCH TRIP BAR - LONG (CLOSED)	.44
2150.550 B012	B 312 39-1	15	3		PETAL PIVOT SHAFT	2.20
2150.550 A019	A 312 49	16	3		LIMIT SWITCH BRACKET	.16
2150.505 A101	A 312 54	17	6		LIMIT SWITCH HOLDER	.084
2150.550 B015	B 312 41	18	1		TERMINAL STRIP COVER	.25
2150.550 A033	A 312 53	19	2		TERMINAL BOX END PLATE	.10
2150.550 B016	B 312 42	20	1		TERMINAL MOUNTING PLATE	.60
2150.550 B017	B 312 43-1	21	6		PETAL SEAL STRIP, LEFT	.72
2150.550 B018	B 312 43-2	22	3		PETAL SEAL STRIP, RIGHT	.72
2150.550 D004	D 312 31	23	9		COVER PETAL	18.54
~~2150.550 C006~~	~~C 312 33~~	~~24~~	~~3~~		~~DRIVE MOTOR COVER~~	.90
2150.550 B025	B 312 55	25	1		CONNECTION ACCESS PLATE	1.38
2150.550 B024	B 312 58	26	1		PETAL SEAL RETAINING STRIP	.44
2150.550 B023	B 312 59	27	6		MOTOR VENT FILTER RETAINER	.24
2150.550 B026	B 312 50	28	6		MOTOR VENT FILTER FELT	—
~~2150.550 A028~~	~~A 312 48~~	~~29~~	~~3~~		~~MOTOR COVER STANDOFF~~	.12
2150.550 B034	B-33597	30	3		LIMIT SWITCH COVER	—
~~2150.550 A035~~	~~A 312 50~~	~~31~~	~~16~~		~~DRIVE UNIVERSAL JOINT~~	9.0
2150.550 A031	A 312 51	32	3		MOTOR SHAFT WORM	—
2150.550 B027	B-31375	33	3		PETAL DRIVE WORM GEAR	1.50
2150.550 B031 / 2150.550 B032	B-33819 -1/2	34-1, 34-2	3		TORQUE MEMBER CLAMP (COVER) / TORQUE MEMBER CLAMPS (TRIPEAD COLLAR)	
2150.550 B033 (REF TO MAKE ITEM 35)	B-31373 (REF)	35	3	GB 10 50	BOSTON BRONZE WORM GEAR	
2150.550 A036 (REF TO MAKE ITEM 36)	A-31251 (REF)	36	3	GH 10 56	BOSTON STEEL WORM	
		37	12	311 SM3-T	MICROSWITCH	
		38	18	1008 KAR	FAFNIR BEARING & COLLAR	
		39	3	192A184	GLOBE INDUSTRIES: GEARCASE-MOTOR 300:1 RED	
		40	6	FS 3 KDD	FAFNIR BEARING	
△6 2150.550 B055	B 41975	41	3		GEAR HEAD MODIFICATION ASS'Y	
		42	12	5/8-11 x 3/4	FL PT SOC SET SCREW	
		43	2	12L-140	CINCH-JONES TERMINAL STRIP	
		44	4	SR-6P3-4	HEYCO STRAIN RELIEF BUSHING	
		45	2	SR-8P-1	HEYCO STRAIN RELIEF BUSHING	
		46	3	0142-40 (NIT)	WORM SPUR GEAR P.C. SPROCKET - 1.450 P.D. 1.500 OD. 32 DP 20 PA	
		47	*5 FT.	*1394	RUBBERCRAFT EXTRUSION	
		48	4		#10-32 x 1/2 BUTTON HEAD SOC. SCREW	
		49	4		#10-32 WELD NUT	
		50	27	3/8-16 X 7/8 LG.	BUTTON HD. CAP SCREW	
		51	27	1/4-20 X 2 3/4 LG.	SOC. HD. CAP SCREW	
		52	6	10-24 X 2 1/2 LG.	SOC. HD. CAP SCREW	
		53	56	10-24 X 1 1/4 LG.	SOC. HD. CAP SCREW	
		54	12	10-24 X 5/8 LG.	SOC. HD. CAP SCREW	
		55	4	6-32 X 1/2 LG.	SOC. HD. CAP SCREW	
		56	12	6-32 X 3/4 LG.	SOC. HD. CAP SCREW	
		57	12	8-32 X 1/2 LG.	SOC. HD. SET SCREW NYLOK	
		58	2	10-24 X 1/4 LG.	SOC. HD. SET SCREW	
		59	9	8-32 X 3/8 LG.	BUTTON HEAD SCREW & NUT FOR ITEM 32	
		60	12	1/4-20 x 1 1/4 LG.	HEX HEAD SCREW	
		61	181	6-32 X 1/4 LG.	BUTTON HEAD SCREW	
		62	18	1/4-28 x 3/4 LG.	SOC HD CAP SCREW	
		63	2	6-32 x 1	SOC HD CAP SCREW	
		64	12	2-56 X 3/16 LG.	ROUND HEAD SCREW	
		65	4	2-56 X 3/8 LG.	FLAT HEAD SCREW	
		66	12	1/4-20	HEX JAM NUT CAD PLATE	
		67	3	NO. 2 X 1 1/16 L.	TAPER PIN	
		68	54	NO. 0 X 1"	TAPER PIN	
		69	3	5/16 X 3/4"	TAPER PIN	
		70	6	3/16 DIA X 1 3/4 L.	DOWEL PIN	
		71				
		72	6	10-32 - 3/8 LG.	SOC. HD CAP SCREW	
		73				
		74				
		75	3	1/4 20 x 3	SOC HD CAP SCREW	
		76	12	1/4-20 x 1 3/4 LG.	" " NYLOK	
		77	3	3/8 X 5/8 LG.	TAPER PIN	
		78				
2150.550 A043	A-34764	79	6		L.S. LEVER STOP	
		80	12			
		81	1	MS3106A28 14P	CANNON PLUG	
		82	1	MS 3057-12A	CLAMP	
		83	1	MS 39056-6	" BUSHING	
		84	3	750-12-6PN-039	DEUTSCH CONNECTOR	
		85	3	750-12-5SN-039	" "	
		86				
USED TO MAKE ITEM 18 2150.550 B005	B-31241 (REF)	87	1	Z64 104A x 1 1/4	ZERO CAN	
		88				
2150.550 B029	B-36312	89	6		DRIVE PETAL STOP BRACKET	
		90				
		91				
		92	12	CABLE CLAMPS	NYLON - MFG. OPTIONAL SIZE A/R	
USED TO MAKE ITEM 18 2150.550 B004	B-33597 (REF)	93	3	Z40-40B x 2 3/4	ZERO MFG CO.-ALUM CONTAINER	
2150.550 B040	B-34832	94	9	*500 LT-BK	CABLE WRAPPING TICABLE PROD. TORQUE MEMBER	
2150.550 A044	A-34833	95	16		TORQUE MEMBER SNUBBER MOUNTER	
2150.550 A045	A-34588	96	6		MECHANICAL STOP MOUNT SPACER	
2150.550 B041	B-34587	97	3		DRIVE GEARHOUSING SPACER	
2150.550 A046	A-34586	98	27		COVER PETAL RETAINING WASHER	
		99	9	M-512-6	BOSTON BRONZE BUSHING	
		100	1	2150.550-D006	MIRROR BAFFLE ASSY	

SECTION A-A

NOTES:

1. ALL ITEMS OF BILL OF MATERIALS CONSTITUTE ONE COVER ASSY
2. △ LUBRICATE WITH ANDROL L-757
3. △ COAT WITH DRYFILM ALL GRAPHITE FILM
4. PRE ASSEMBLE & FIT WHOLE ASSEMBLY BEFORE FINAL FINISH IS APPLIED TO DETAIL PARTS - EXCEPT ITEM 21 & 22
5. △ WHITE INK STAMP ADJACENT TO THE ELECTRICAL PART THE DESIGNATED NUMBER
6. △ 3 GEARHEADS # MFRS MODIFIED TO 2150.550 B 055 AS OF 10-30-78

(2) REQ'D 2150.550E002

FOR ASSEMBLY SEE 2150.501E002

LET.	REVISION	EGR	DATE	BY
D	ADDED ITEM 100	1 2207	3-5-79	WA
C	REPORTED VENDOR PART NO. FOR ITEM 39	1459	8-5-75	DLC
B	CORRECTED PER AURA REQ		12-2-75	RC
	As Built		12-10-71	WA
A	REVISED PER AURA REQ		3-10-70	RC

TOLERANCES UNLESS OTHERWISE NOTED: DECIMAL DIMENSIONS .00 ± .010, .000 ± .005; FRACTIONAL DIMENSIONS UP TO 10" ± 1/64, 10" TO 50" ± 1/32, 50" & OVER ± 1/16. BREAK SHARP EDGES. ALL SURFACES TO HAVE 125 √ FINISH UNLESS OTHERWISE NOTED.

AT 21.4° (PLOT 0/SL)

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

150" STELLAR TELESCOPE

NAME: J/B SEC. MIRROR PETAL COVER ASSY / SEC. MIRROR & PRIME FOCUS ASSY

SCALE 1/2 — PRINT ISSUED

DESIGNED BY	DATE	APPROVED BY	DATE
DRAWN BY	DATE	APPROVED BY	DATE
CHECKED BY	DATE	APPROVED BY	DATE

DRAWING NUMBER 2150.550-E102 REV. D — SH 1 OF 2

BOLLER & CHIVENS DATA JOB 58070 W/R 30830 DWG NO. E 312 82 SHT 1 OF 2