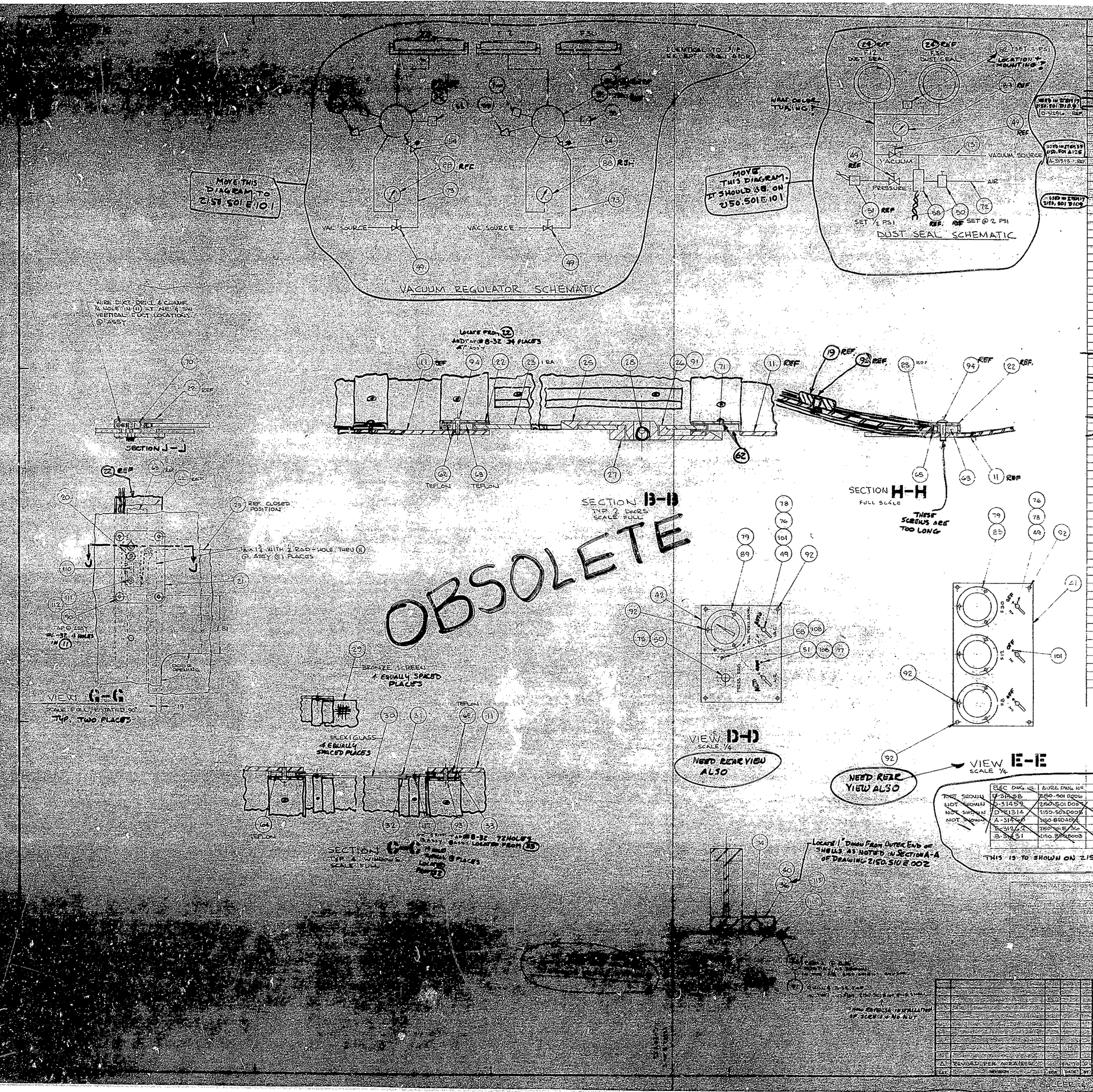

BILL OF MATERIAL

ITEM	QTY	MATERIAL	DESCRIPTION	REVISION
61	AR	1/16 THK	VINYL SPONGE GASKET	
62	AR	1/8 THK 1 1/2 WIDE	TEFLON GUIDE	
63	AR	1/8 THK 3/4 WIDE	TEFLON GUIDE	
64	AR	3/16 x 3/4 WIDE	TEFLON GUIDE	
65	AR	1/8 THK x 1 1/2 WIDE	TEFLON GUIDE	
66				
67				
68				
69	2	EZ2-8-6 x 2'	ZERO - LUBRICATION FITTING	
70	2	311SM9-T	MICROSWITCH	
71	AR	3/16 x 1 3/4 WIDE	TEFLON GUIDE	
72	1/2	1.4 SP (8-15)	IMPERIAL EASTMAN - POLY-FLO	
73	1/2	4.4 PL (1/2 DIA)	IMPERIAL-EASTMAN - POLY-FLO	
74	AR	CABLE CLAMP	NYLON - MFG. OPTIONAL - SIZE AIR	
75	1/2	P-102-2 (1/2 x 1/2 NPT)	COMP. AIR SERVICE - MALE CONN.	
76	1/2	P-101-2 (1/2 x 1/2 NPT)	" " " - MALE CONN.	
77	1/2	P-201-2 (1/2 x 1/2 NPT)	" " " - MALE ELL	
78	1/2	P-201-2 (1/2 x 1/2 NPT)	" " " - MALE ELL	
79	1/2	P-202-2 (1/2 x 1/2 NPT)	" " " - FEMALE ELL	
80	AR	1/8 THK x 1" WIDE	SPONGE VINYL	
81	16	5-20-360	SOUTHCO FASTENERS - OVAL HD. 6'S	
82	16	85-34-101-65	SOUTHCO FASTENER - #5 STLST RETAINER	
83	16	5-295	SOUTHCO FASTENER - RECEPTACLE	
84	37	38-30X-09-13	SOUTHCO FASTENER - 100° CSK RIVET	
85	1	D-33660 -3	B&C - PRESSURE REGULATOR - SET @ 11.43 IN. H2O (3/16)	12.5
86	1	D-33660 -2	B&C - PRESSURE REGULATOR - SET @ 1.50 IN. H2O (1/16)	12.5
87	1	D-33660 -1	B&C - PRESSURE REGULATOR - SET @ 10.1 IN H2O (5/16)	12.5
88	3	0 TO 30 IN H2O VAC 3 1/2"	MARSHALLTOWN - VAC GAUGE	
89	1	0 TO 30 IN H2O 0 TO 15 PSI PRESS 3 1/2"	MARSHALLTOWN - VAC & PRESS GAUGE	
90	10	#6-32 x 1/4	BUTT HD. SOC. CAP SCREW	
91	24	#6-32 x 3/8	SOCKET HEAD CAP SCREW	
92	AR	#8-32 x 1/4	SOCKET BUTTON HEAD	
93	72	#8-32 x 3/8		
94	112	#8-32 x 1/2		
95	8	#10-24 x 3/8	SOCKET FLAT HEAD SCREW	
96	16 X	#10-32 x 1/4	OVAL HEAD MACHINE SCREW	
97	8	#10-32 x 3/8	SOC. FLAT HEAD CAP SCREW	
98				
99				
100	24	#5/16-18 x 7/8		
101	10	1/4-20 x 3/8	SOCKET HEAD CAP SCREW	
102				
103	16	1/2-13 x 1 1/2		
104	8	1/2-13 x 1 3/4		
105	24	1/2-13 x 2		
106	8	1/2-13 x 2 1/2		
107				
108	4	#10-32 x 1/2	SOCKET BUTTON HEAD	
109				
110	24	#2-56 x 3/8	FLAT HD SCREW	
111	2	#2-56 x 3/8	FLAT HD SCREW	
112	2	#2-56	HEX NUT	
113	4	#8-32	HEX NUT	
114				
115				
116	9	10-24 x 1/2	SOCKET HD. CAP SCREW	
117	112	1/8 DIA x 1/8 LG.	ALUM. FLAT HEAD RIVET	
119	8	3/8 DIA x 1/2 LG.	STANDARD STEEL DOWEL	
120	2	3/8 DIA x 1 1/2 LG.		
121	1	1/4 DIA x 3/4 LG.		
122	1	3/8 DIA x 3/4 LG.		
122	1	M-3106B22-14S	CANNON - PLUG	

	SEC DWG. NO.	AURA DWG. NO.				
NOT SHOWN	D-31458	2150.501 D006	203	1		TYP. 5/30 FLIP REPLACEMENT CWT
NOT SHOWN	D-31459	2150.501 D008	201	2		4 TYP. 5/30 REPLACEMENT CWT
NOT SHOWN	D-21314	2150.501 D009	202			5/8 REPLACEMENT CWT
NOT SHOWN	A-31460	2150.850 A004	205		(TOOL)	FOCUS RING GEAR SPANNER
	E-31212-2	2150.510 E 002	204	REF.		FLOOR AIR & VACUUM ROUTING
	B-31431	2150.510 B003	203	REF.		SEC. MIRROR EDGE SUPPORT FILLING INSTALL
			206			

THIS IS TO SHOWN ON 2150.501 E002 ONLY

A	REVISED PER AURA REQ.			10-28-69			
LTR	REVISION	EDC	DATE	BY			

FOR ASSEMBLY USE

TOLERANCES UNLESS OTHERWISE NOTED: DECIMAL DIMENSIONS ± .005 ± .002; FRACTIONAL DIMENSIONS 1/32 TO 10" ± 1/64, OVER 10" ± 1/32; 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

150 INCH STELLAR TELESCOPE

NAME: SHELL ASSEMBLY SEC. MIRROR & PRIME FOCUS ASSY

SCALE: NOTED

DRAWN: [illegible] 10-14-69
TRACED: [illegible]
DESIGNED BY: [illegible]
CHECKED BY: [illegible]
APPROVED BY: [illegible]

DRAWING NUMBER: 2150.501 E002

REV. X

GALLER & CHIVENS DATA 305-5870 E 30228 SHT. 2 of