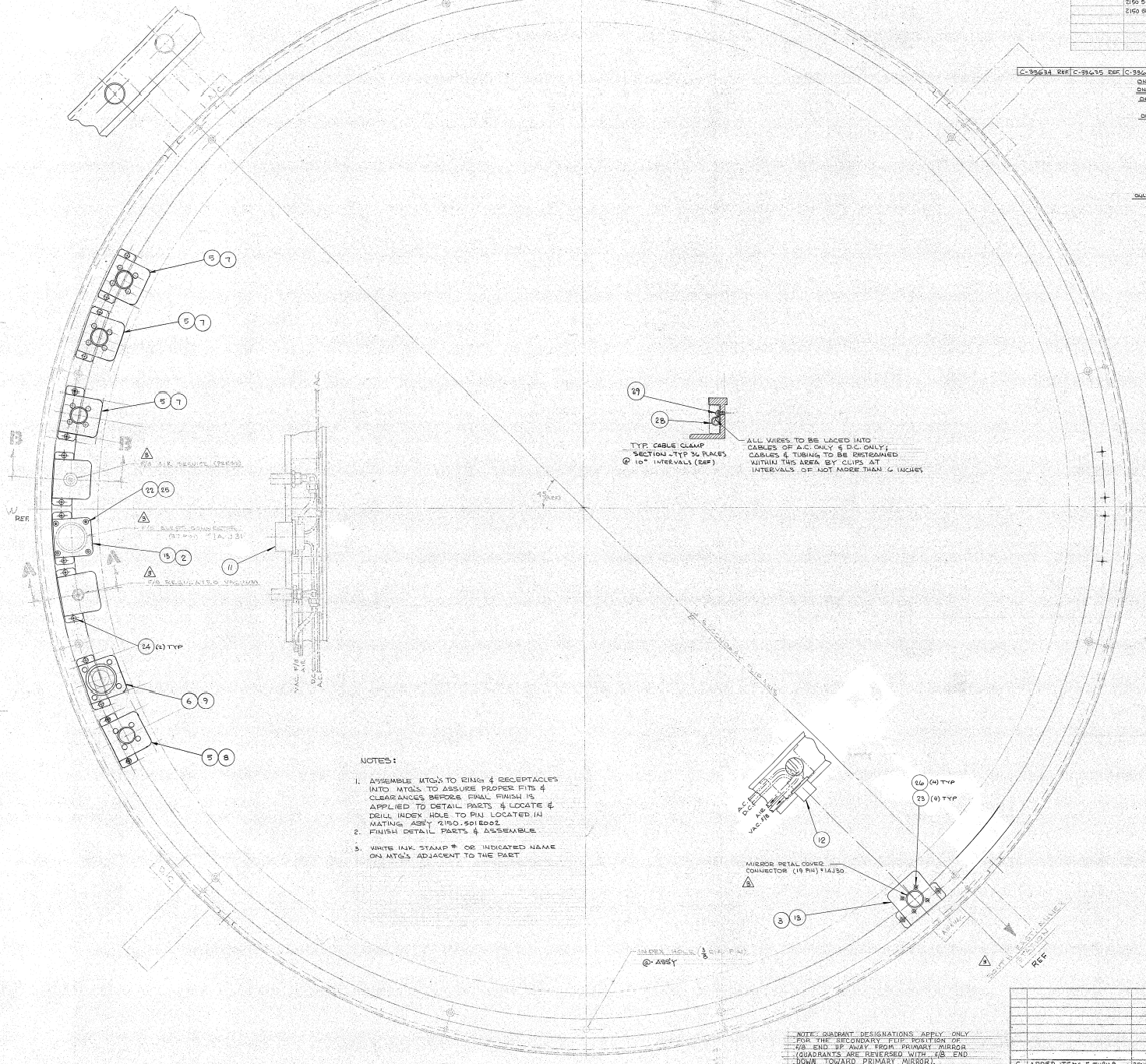
BOELER & CHIVENS DWG. NO.	AURA SYSTEM NO.
E-91263	2150 510E003
C-33634	2150 510C004
C-33635	2150 510C005
C-33636	2150 510C006
	2150 510C007-1
	2150 510C007-2

BILL OF MATERIAL

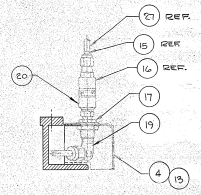
ITEM	QTY	MATERIAL	DESCRIPTION	REMARKS
1	1		RACEWAY RING	23
2	1		SIZE 28 RECEPT. MOUNTING	11
3	1		SIZE 22 RECEPT. MOUNTING	11
4	2		AIR, VAC. QUICK DISCONNECT MTG.	12
5	4		F/B RECEPT. MTG.	
6	1		F/B RECEPT. MTG.	
7	3	GDA14-97SNE	CONNECTOR = BURNDY	
8	1	5DU551-100RA14-19S	CONNECTOR - MS 19P	
9	1	PT00SE-20-41S	CONNECTOR - MS 41P	
10				
11	1	MS3102A28-21S	CANNON - RECEPTACLE	
12	1	MS3102A22-14S	CANNON - RECEPTACLE	
13	4	7356-GOX x 2¾	ZERO MFG. CO. - ALUM. CONTAINER	
14		44-P YELLOW	IMPERIAL EASTMAN POLY-FLO TUBE	
15		#405 (.170)	SWAGELOK INSERT	
16		#200-⅛ QC-600	SWAGELOK - QUICK CONNECT DESD	
17	2	#129-8 (½PT x ½")	IMPERIAL-EASTMAN - BULKHEAD ADAPTER	
18	1	#294-PM	IMPERIAL-EASTMAN - COUPLER	SWAGELOCK POLY-FLO
19	2	#216-P(⅜PT x ½")	IMPERIAL-EASTMAN - MALE ELBOW POLY-FLO	
20	1	¼-BG-100-4	SWAGELOK - ¼ NUT	
21	1	198-PT	IMPERIAL-EASTMAN - WITH ⅜ PT.	
22	4	#6-32 x ⅜	SOCKET HD. CAP. SCREW	
23	24	#4-40 x ⅜	SOCKET HD. CAP. SCREW	
24	18	#6-32 x ¼	SOCKET BUTTON HD. SCREW	
25	4	#6-32	HEX NUT	
26	24	#4-40	HEX NUT	
27		44-P BLUE	IMPERIAL EASTMAN POLY-FLO TUBE	
28	36	TYPE A/R	NYLON - CABLE CLAMP - NEG. OPTIONAL	
29	36	#8-32 x ⅜	SOC. BUT. HD. SCREWS	
30				

C-33634 REF	C-33635 REF	C-33636 REF
		ONLY REF.
		ONLY REF.
		ONLY REF.
		ONLY REF.
		ONLY REF.

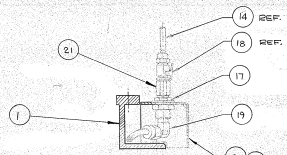


TYP. CABLE CLAMP SECTION - TYP 36 PLACES @ 10° INTERVALS (REF)

ALL WIRES TO BE LACED INTO CABLES OF A.C. ONLY & D.C. ONLY; CABLES & TUBING TO BE RESTRAINED WITHIN THIS AREA BY CLIPS AT INTERVALS OF NOT MORE THAN 6 INCHES



SECTION B-B A/R



SECTION A-A VAC

NOTES:

1. ASSEMBLE MTG.'s TO RING & RECEPTACLES INTO MTG.'s TO ASSURE PROPER FITS & CLEARANCES BEFORE FINAL FINISH IS APPLIED TO DETAIL PARTS & LOCATE & DRILL INDEX HOLE TO PIN LOCATED IN MATING ASSY 2150-501E002.
2. FINISH DETAIL PARTS & ASSEMBLE.
3. WHITE INK STAMP # OR INDICATED NAME ON MTG.'s ADJACENT TO THE PART

NOTE: QUADRANT DESIGNATIONS APPLY ONLY FOR THE SECONDARY FLIP POSITION OF F/B END UP AWAY FROM PRIMARY MIRROR (QUADRANTS ARE REVERSED WITH F/B END DOWN TOWARD PRIMARY MIRROR).

REF. FILE 1191

FOR ASSEMBLY SEE 2150-501E002

REV	REVISION	ECR	DATE	BY
C	ADDED ITEMS 5 THRU 9	3504	4-13-00	JH
B	AS BUILT	P286	1-8-79	CS
A	REVISED PER AURA RBA		8-30-78	CS

TOLERANCES UNLESS OTHERWISE NOTED
DECIMAL TOLERANCING: .00 ± .01 / .0 ± .05
FRACTIONAL TOLERANCING: UP TO 12" ± 1/64, 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 COOPERATIVE AGRMT. WITH THE NATIONAL SCIENCE FOUNDATION

150" STELLAR TELESCOPE

FRAME: F/B END ELECTRICAL RACEWAY & SEC. MIRROR & PRIME FOCUS ASST

SCALE: 1/4 PRINT 100LB

DRAWN BY	DATE	APP'D BY	DATE
RBA	7-27-78		
ENGINEER BY	DATE	APP'D BY	DATE
RBA	8-30-78		
DESIGNED BY	DATE	APP'D BY	DATE
RBA	8-30-78		

DRAWING NUMBER: 2150.510E102 REV. C

BOELER & CHIVENS DATA - JOB 58070 4/4-E-3023-8

E-31456