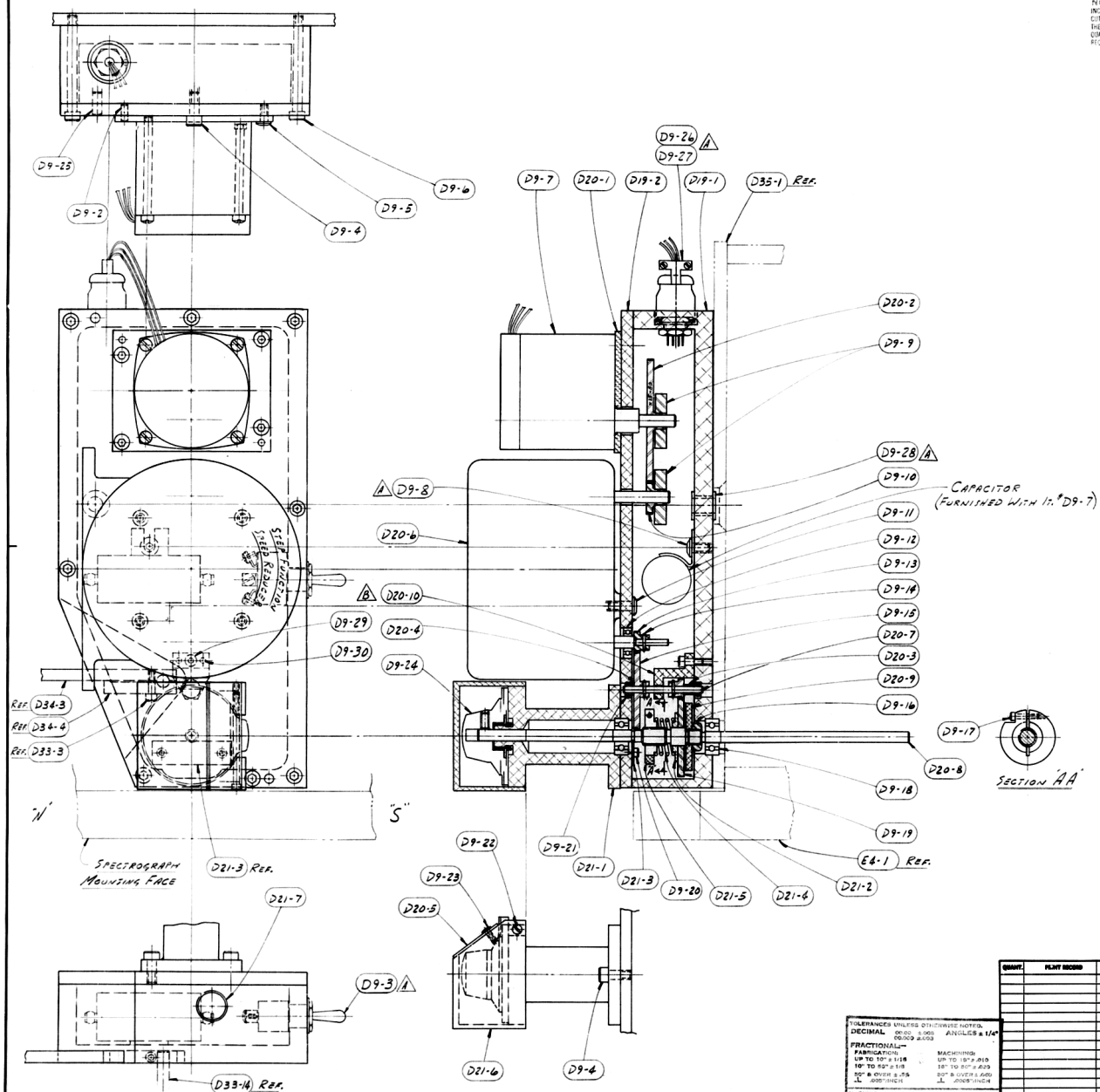


NOTE: SIZES OF MATERIAL LISTED DO NOT INCLUDE STOCK NECESSARY FOR MACHINING AND CUTTING OFF EXCEPT AS NOTED. THE SIZE SPECIFIES THE MATERIAL REQUIRED FOR ONE PIECE ONLY. QUANTITIES NOTED ARE THE TOTAL NUMBER REQUIRED.

BILL OF MATERIAL

ITEM	DWG. NO.	QTY.	MATERIAL	DESCRIPTION	WEIGHT
D9-1		1		Outer Grating Drive Ass'y	
2		2	Stl.	Dowel 1/8 Dia. x 1/2	
A 3		1	J.B.T. Instruments	Inc. Switch #ST-40E	
4		6	Stl.	Soc. Hd. Cap Scr. #10-24 x 1/2	
5		4	Stl.	Button Hd. Soc. Cap Scr #8-32 x 3/8	
6		4	Stl.	Soc Hd Cap Scr. #10-24 x 2	
7		1		Bodine Motor #B81L4E-098	
A 8		1	Stl.	Button Hd. Soc. Cap Scr. #10-24 x 3/8	
9		2	Stainless Stl.	Pic # Lite Adj. Hub Clamp	
10		1	Stainless Stl.	Pic #P25-20 True Gear 20 Teeth .20" Pitch Dia. 32 Pitch	
11		4	Stl.	Button Hd Soc Cap Scr. #10-32 x 1/2	
12		1		Torrir #FIKDD7 Ball Brg.	
13		2	Stainless Stl.	Pic #P25-32-72 True Gear 72 Teeth .3691 Pitch Dia. 32 Pitch	
14		3	Stainless Stl.	Pic KCE-1 Taper Pin Sce #8 x 1/8 Lg.	
15		1	Stainless Stl.	Pic #P25-100-98 True Gear 98 Teeth 1.1968 Pitch Dia. 32 Pitch	
16		1	Brass	#8 x Jam Nut 1/16-24	
17		1	Stl.	Soc Hd Cap Scr. #4-40 x 1/2	
18		2		Torrir #FIKDD Ball Brg.	
19		1	Stainless Stl.	Pic #P32-100 True Gear 100 Teeth .4265 Pitch Dia. 32 Pitch	
20		2	Stl.	Soc Hd Cap Scr #4-40 x 1/4	
21		2		Torrir #AV8K20DD Ball Brg.	
22		1	Stl.	Fillister Hd. Mach Scr. #2-40 x 2	
23		2	Stl.	Button Hd. Soc. Cap Scr. #4-40 x 1/4	
24		1		Helitat Dudial Model R-25	
25		2	Stl.	Dowel 1/16 Dia. x 1/2	
26		1	(Pin)	Amphenol Connector #126-195	
A 27		1	(Socket)	Amphenol Connector #126-198	
28		1	Atlantic India Rubber Works	3/16 Grommet	
D19-1		1		Gear Box -- Grating Drive	
-2		1		Cover -- Gear Box	
D20-1		1		Plate -- Motor Mounting	
2		1		Gear	
3		1		Spacer	
4		1		Spacer	
5		1		Window	
6		1		Speed Reducer	
7		1		Shaft	
8		1		Shaft	
9		1		Plate -- Clutch	
B 10		1		Shaft Ass'y Guide	
D21-1		1		Mount -- Turns Counter	
-2		1		Disc -- Preisure	
3		1		Retainer -- Shaft	
4		1		Spring	
5		1		Nut	
6		1		Guard -- Turns Counter	
7		1		Plug	
D9-29		1	Stl.	Soc. Hd Cap Scr. #5-40 x 3/8 Lg.	
B D9-30		2	Stl.	Dowel 1/8 Dia. x 3/8 Lg.	

(D9-1) Outer Grating Drive Ass'y
No. Read: 1

DEF. FILE 2090

FOR ASSEMBLY SEE: 2028.01-E1

QUANT.	PLNT RECRD	DATE

NO.	REVISION	DATE	BY
B	Added It. #D20-10, D9-29 & D9-30	8 DEC 64	T.L.
A	Added It. #D9-3, 8, 26, 27 & 28	25 Aug 64	T.L.

TOLERANCES UNLESS OTHERWISE NOTED.
DECIMAL .00 ± .005, .000 ± .0005, ANGLES ± 1/4°
FRACTIONAL — FABRICATION: UP TO 10" ± 1/16; 10" TO 52" ± 1/8; 52" & OVER ± .15% ⊥ .005"/INCH
MACHINING: UP TO 10" ± .015; 10" TO 52" ± .03; 52" & OVER ± .06% ⊥ .005"/INCH
MACHINED SURFACES ARE FINISHED TO 125 UNLESS OTHERWISE SPECIFIED.

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

84" Telescope -- Cassegrain Spectrograph

Designed by	E.C. Mierkiil 12-1-64
Drawn by	Petri 12-3
Approved by	Hinds 12-4
Scale	Full

NAME: Outer Grating Drive Assembly
DWG. NUMBER: 2028.01-D9
REV: B