

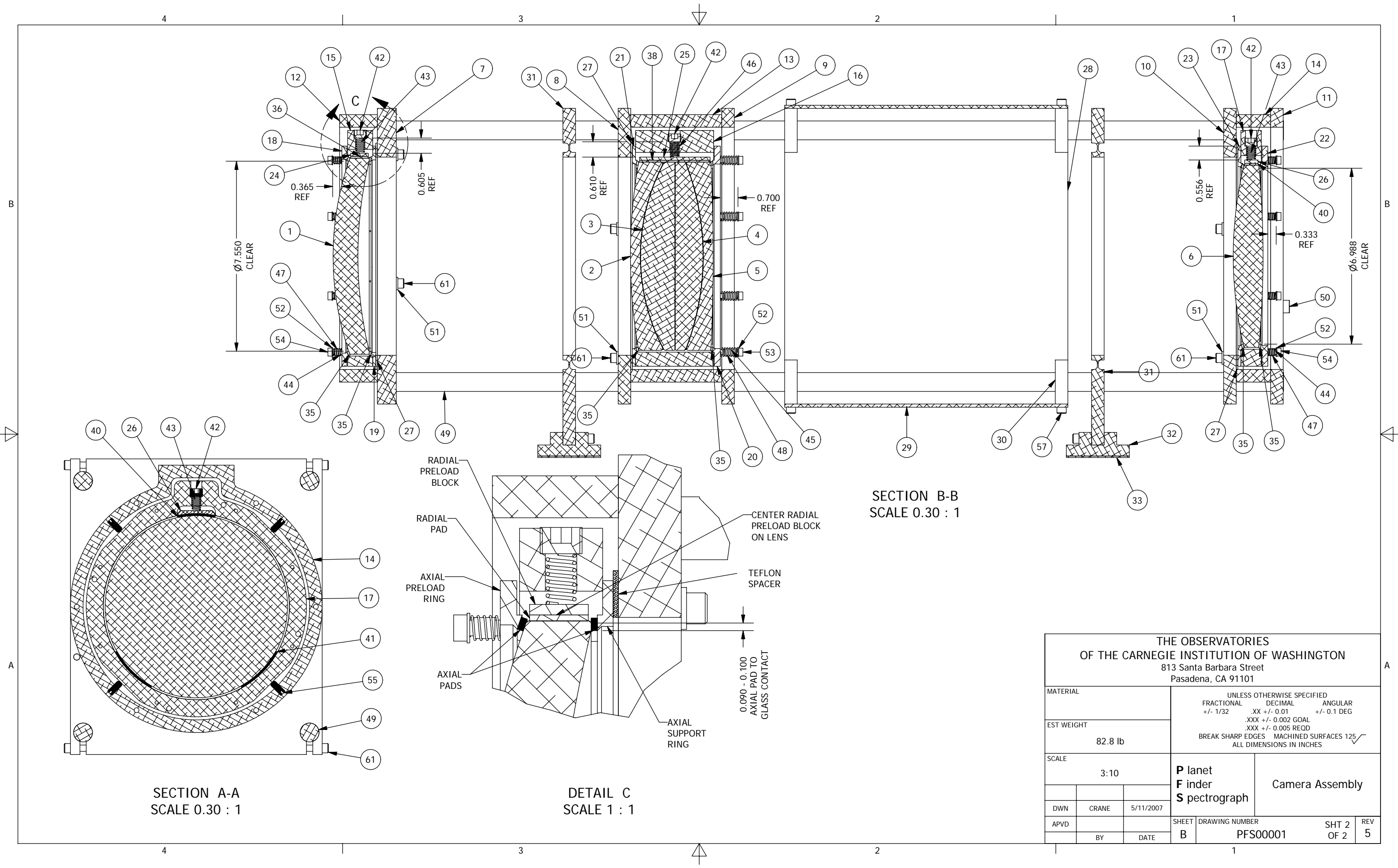
ITEM	QTY	DESCRIPTION	PART NUMBER	ITEM	QTY	DESCRIPTION	PART NUMBER	ITEM	QTY	DESCRIPTION	PART NUMBER
61	42	SHCS 1/4-20 UNCx1	-	39	2	Radial pad 2.80 x 2.00	-	19	1	PFS1 Axial Support Ring	PFS09013
60	4	SHCS 1/4-20 UNCx0.875	-	38	1	Radial pad 2.80 x 1.50	-	18	1	PFS1 Axial Preload Ring	PFS09012
59	24	SHCS 1/4-20 UNCx0.75	-	37	2	Radial pad 0.70 x 2.00	-	17	1	PFS5 Inner Lens Support Tube	PFS09011
58	8	SHCS 1/4-20 UNCx0.625	-	36	1	Radial pad 0.70 x 1.50	-	16	1	PFSG Inner Lens Support Tube	PFS09010
57	24	SHCS 1/4-20 UNCx0.5	-	35	24	Axial pad 0.15 x 1.25	-	15	1	PFS1 Inner Lens Support Tube	PFS09009
56	24	FHMS 8-32 UNCx0.5	-	34	3	Sylgard-184 RTV	-	14	1	PFS5 Outer Lens Support Tube	PFS09008
55	12	SetScrew 1_4-20 UNCx0.625	-	33	2	Camera Shear Pad	PFS09028	13	1	PFSG Outer Lens Support Tube	PFS09007
54	16	Shoulder Screw MCM94035A206	-	32	2	Camera Flexure Base	PFS09027	12	1	PFS1 Outer Lens Support Tube	PFS09006
53	8	Shoulder Screw MCM94035A208	-	31	2	Camera Flexure	PFS09025	11	1	PFS5 Lens Mounting Plate 2	PFS09005
52	24	Flat washer MCM90945A740	-	30	8	Camera Stiffener Clamp	PFS09024	10	1	PFS5 Lens Mounting Plate 1	PFS09004
51	12	Washer, Plain ANSI B, Normal 0.25	-	29	2	Camera Stiffener Plate 2	PFS09023	9	1	PFSG Lens Mounting Plate 2	PFS09003
50	1	Carr Lane Rest Button CL-2-RB	-	28	2	Camera Stiffener Plate 1	PFS09022	8	1	PFSG Lens Mounting Plate 1	PFS09002
49	4	Stainless Steel Shaft 0.75Dx36L MCM6253K64	-	27	3	Camera Teflon Spacer	PFS09021	7	1	PFS1 Lens Mounting Plate	PFS09001
48	8	Bronze bushing MCM6391K124	-	26	1	PFS5 Radial Preload Block	PFS09020	6	1	PFS5 lens	PFS01006
47	16	Bronze bushing MCM6391K122	-	25	1	PFSG Radial Preload Block	PFS09019	5	1	PFS4 lens	PFS01005
46	1	Die Spring MCM9297K11	-	24	1	PFS1 Radial Preload Block	PFS09018	4	1	PFS3B lens	PFS01004
45	8	Compression Spring MCM9435K81	-	23	1	PFS5 Axial Support Ring	PFS09017	3	1	PFS3A lens	PFS01003
44	16	Compression Spring MCM9435K5	-	22	1	PFS5 Axial Preload Ring	PFS09016	2	1	PFS2 lens	PFS01002
43	2	Compression Spring MCM9434K79	-	21	1	PFSG Axial Support Ring	PFS09015	1	1	PFS1 Lens	PFS01001
42	3	Die Spring Screw Cap MCM96235K5	-	20	1	PFSG Axial Preload Ring	PFS09014				
41	2	Radial pad 0.53 x 2.00	-								
40	1	Radial pad 0.53 x 1.50	-								

NOTES

1. Radial and axial pads consist of 1/16" thk silicone rubber (MCM8632K42) between UHMW polyethylene tape (MCM76445A12) and silicone/acrylic double-coated tape (MCM77215A13). Adhere double stick tape to aluminum parts. UHMW contacts glass. Total estimated thickness 0.074.

**THE OBSERVATORIES
OF THE CARNEGIE INSTITUTION OF WASHINGTON**
813 Santa Barbara Street
Pasadena, CA 91101

MATERIAL		UNLESS OTHERWISE SPECIFIED FRACTIONAL DECIMAL ANGULAR +/- 1/32 .XX +/- 0.01 +/- 0.1 DEG .XXX +/- 0.002 GOAL .XXX +/- 0.005 REQD BREAK SHARP EDGES MACHINED SURFACES 125	
EST WEIGHT 106.5 lb		SCALE 3:10	
DWN CRANE 5/11/2007		P lanet F nder S pectrograph	
APVD BY DATE		Camera Assembly	
SHEET B		DRAWING NUMBER PFS00001	
		SHT 1 OF 2	
		REV 5	



SECTION A-A
SCALE 0.30 : 1

DETAIL C
SCALE 1 : 1

SECTION B-B
SCALE 0.30 : 1

THE OBSERVATORIES OF THE CARNEGIE INSTITUTION OF WASHINGTON 813 Santa Barbara Street Pasadena, CA 91101				
MATERIAL		UNLESS OTHERWISE SPECIFIED FRACTIONAL DECIMAL ANGULAR +/- 1/32 .XX +/- 0.01 +/- 0.1 DEG		
EST WEIGHT		.XXX +/- 0.002 GOAL .XXX +/- 0.005 REOD BREAK SHARP EDGES MACHINED SURFACES 125 ✓ ALL DIMENSIONS IN INCHES		
SCALE		3:10		P lanet F nder S pectrograph Camera Assembly
DWN	CRANE	5/11/2007		
APVD	BY	DATE	SHEET	REV
			B	5
			DRAWING NUMBER	SHT 2
			PFS00001	OF 2