

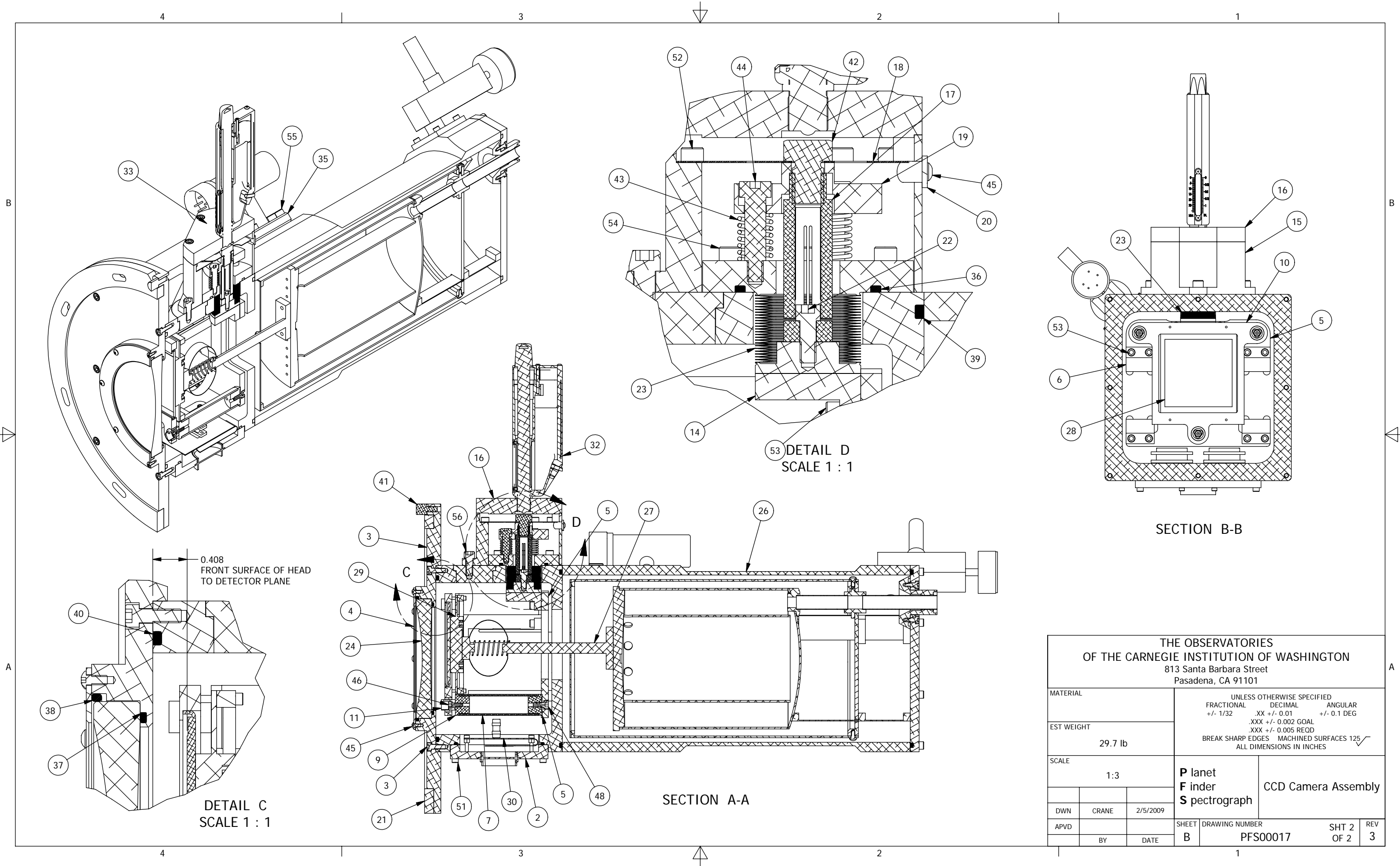
56	3	SHCS 1/4-20 UNCx0.625	-	37	1	Parker O-ring 2-154	-				
55	6	SHCS 10-32 UNFx0.625	-	36	1	Parker O-ring 2-128	-	18	1	CCD Psychedelic Flexure	PFS15021
54	12	SHCS 8-32 UNCx0.625	-	35	2	KF16 Bulkhead clamp	-	17	1	CCD 2-axis Piston Flexure	PFS15020
53	24	SHCS 8-32 UNCx0.5	-	34	1	NW16 Centering Ring	-	16	1	CCD Actuator Mount	PFS15016
52	6	SHCS 8-32 UNCx0.25	-	33	1	GP-275203 Convector Vacuum Gauge	-	15	1	CCD Psychedelic Flexure Mount	PFS15015
51	4	SHCS 6-32 UNCx0.5	-	32	1	Newport actuator LTA-HL	-	14	1	CCD Bellows Flange	PFS15014
50	4	SHCS 4-40x0.141 UNC	-	31	1	HCC hermetic connector	-	13	1	CCD Header PCB Brace	PFS15013
49	4	SHCS 2-56 UNCx1/4	-	30	1	CCD Pre-Amp	-	12	3	CCD Platten Adj. Post Receiver	PFS15012
48	3	SHCS 8-32x0.625 UNC vented	-	29	1	STA0500A Header PCB	-	11	3	CCD Platten Adjustment Post	PFS15011
47	8	SHCS 8-32x0.5 UNC vented	-	28	1	STA0500A Bi Assembly	-	10	1	CCD STA0500A Platten	PFS15010
46	5	SHCS 6-32x0.375 UNC vented	-	27	1	CCD cold finger	-	9	3	CCD Insulating Standoff Top Cap	PFS15009
45	10	Button Head, Hex, 4-40 UNC x 0.25	-	26	1	IR Labs ND-5 dewar mod. for PFS	-	8	3	CCD Insulating Standoff Bottom Cap	PFS15008
44	3	Shoulder Screw MCM94035A540	-	25	1	CCD Head Plug	-	7	3	CCD Insulating Standoff Tube	PFS15007
43	3	Compression Spring MCM9435K93	-	24	1	Lens PFS6B	PFS01007	6	4	CCD Lateral Flexure	PFS15006
42	1	Carr Lane CL-6-SRB	-	23	1	CCD Bellows Assembly	PFS00018	5	1	CCD Flexure Mount Base Plate	PFS15005
41	1	Carr Lane Rest Button CL-13-RB	-	22	1	Custom 10-32 x 1/2 SHCS	PFS15030	4	1	Flattener Retaining Ring	PFS15004
40	1	Parker O-ring 2-262	-	21	1	Dewar Axial Shim 0.329 thk	PFS15027	3	1	Flattener Mounting Plate	PFS15003
39	1	Parker O-ring 2-258	-	20	1	Piston Flexure Access Cover	PFS15023	2	1	CCD Head Side Plate	PFS15002
38	2	Parker O-ring 2-156	-	19	1	CCD Preload Cap	PFS15022	1	1	CCD Main Head	PFS15001
ITEM	QTY	DESCRIPTION	PART NUMBER	ITEM	QTY	DESCRIPTION	PART NUMBER	ITEM	QTY	DESCRIPTION	PART NUMBER
Bill of Material				Bill of Material				Bill of Material			

**NOTES**

- 1. Ion pump not shown

<b>THE OBSERVATORIES OF THE CARNEGIE INSTITUTION OF WASHINGTON</b> 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 ✓ ALL DIMENSIONS IN INCHES			
EST WEIGHT		29.7 lb (with no IN2)			
SCALE		1:3			
DWN		CRANE		2/5/2009	
APVD		BY		DATE	
SHEET		DRAWING NUMBER		SHT 1	
B		PFS00017		OF 2	
				REV 3	

**P**lanet  
**F**inder  
**S**pectrograph  
CCD Camera Assembly



0.408  
FRONT SURFACE OF HEAD  
TO DETECTOR PLANE

DETAIL C  
SCALE 1 : 1

DETAIL D  
SCALE 1 : 1

SECTION B-B

SECTION A-A

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 REQD BREAK SHARP EDGES MACHINED SURFACES 125 ✓ ALL DIMENSIONS IN INCHES			
SCALE		1:3		<b>P</b> lanet <b>F</b> nder <b>S</b> pectrograph CCD Camera Assembly	
DWN	CRANE	2/5/2009		SHEET	REV
APVD	BY	DATE	B	DRAWING NUMBER	SHT 2 OF 2
				PFS00017	3