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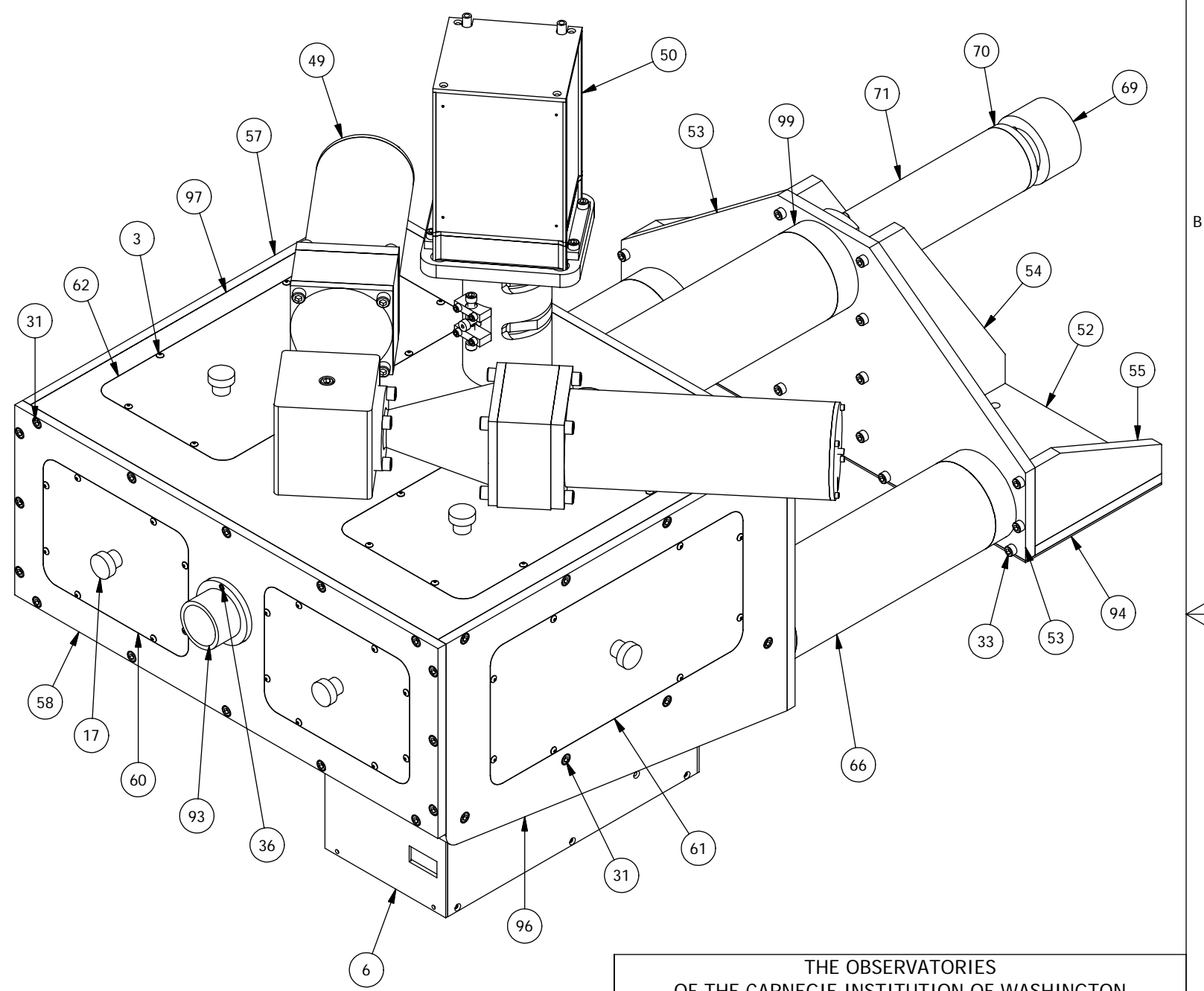
B

B

A

A

ITEM	QTY	DESCRIPTION	PART NUMBER	ITEM	QTY	DESCRIPTION	PART NUMBER
Bill of Material				Bill of Material			
49	1	Calibration Lamp Assembly	PFS00022	99	1	Pre Slit Support Arm Cap 2	PFS04072
48	1	Sylgard 184	-	98	1	Pre Slit Support Arm Cap 3	PFS04069
47	2	Spring Anchor MCM9634K13	-	97	1	Pre Slit Enclosure Top Plate	PFS04068
46	4	Shoulder Screw MCM94035A307	-	96	1	Pre Slit Enclosure Side Wall 2	PFS04067
45	6	SHCS 8-32 UNCx1	-	95	1	Pinhole mount	PFS04066
44	2	SHCS 8-32 UNCx0.875	-	94	1	Pre Slit Assembly Shear Pad	PFS04065
43	4	SHCS 8-32 UNCx0.75	-	93	1	Front Baffle	PFS04064
42	12	SHCS 8-32 UNCx0.625	-	92	1	Saddle Bag Flange 2	PFS04063
41	3	SHCS 8-32 UNCx0.5	-	91	1	Saddle Bag Flange 1	PFS04062
40	2	SHCS 8-32 UNCx0.375	-	90	1	Cal1 Lens Cell	PFS04055
39	4	SHCS 6-32 UNCx0.625	-	89	1	Pre Slit Calibration Optic Tower	PFS04050
38	8	SHCS 4-40 UNCx0.5	-	88	1	Flipper Mount	PFS04049
37	1	SHCS 4-40 UNCx0.25	-	87	1	Pupil Mirror Mount	PFS04048
36	6	SHCS 2-56 UNCx3/8	-	86	1	Lens PV1 Mount	PFS04047
35	8	SHCS 10-32 UNFx0.5	-	85	1	Beamsplitter Mount	PFS04046
34	4	SHCS 10-24 UNCx0.875	-	84	1	Guider Filter Spacer	PFS04045
33	16	SHCS 10-24 UNCx0.75	-	83	1	Window Mount	PFS04039
32	12	SHCS 10-24 UNCx0.625	-	82	1	I2 Stage Drive Screw	PFS04038
31	62	SHCS 10-24 UNCx0.5	-	81	1	Drive Nut Restraint	PFS04037
30	12	SHCS 1/4-20 UNCx0.875	-	80	1	I2 Linear Transducer Clamp	PFS04036
29	7	SHCS 1/4-20 UNCx0.75	-	79	1	I2 Linear Transducer Mount	PFS04035
28	18	SHCS 1/4-20 UNCx0.625	-	78	1	I2 Stage Micrometer Mount	PFS04034
27	1	SHCS 1/4-20 UNCx0.375	-	77	1	I2 Stage Motor Mount	PFS04033
26	1	Pupil viewer optical system	-	76	1	I2 Spring Mount and Stage Stop	PFS04032
25	1	Pinhole Edmund 36-392	-	75	2	I2 Stage Limit Switch Mount	PFS04031
24	1	Optosigma Window 044-1410	-	74	1	I2 Stage Motor Clamp	PFS04030
23	1	Optosigma Window 044-1400	-	73	1	I2 Stage Motion Base Plate	PFS04029
22	1	Optical system: integrating sphere imager	-	72	1	Pre Slit Support Spring Interface	PFS04021
21	2	Omron Switch D2SW-P2L2H	-	71	1	Focal Reducer FR2 Tube	PFS04020
20	1	New Focus 8892 motorized flipper	-	70	1	Focal Reducer FR3 tube	PFS04019
19	1	Micromo Motor 2224R012SR+20/1-23:1	-	69	1	Focal Reducer Mating Baffle	PFS04018
18	1	Micrometer - Starrett 463L	-	68	1	Focal Reducer Tube Flange	PFS04017
17	7	Knob MCM60205K64	-	67	4	Pre Slit Support Arm Cap 1	PFS04016
16	1	Honeywell Pot MLT006N9000B5C	-	66	3	Pre Slit Support Arm Tube	PFS04015
15	2	Hex Nut 4-40	-	65	1	Pre Slit Electronic Connector Plate 2	PFS04014
14	2	Hex nut 1/4-20	-	64	1	Pre Slit Electronic Connector Plate 1	PFS04013
13	1	Focal reducer optical system	-	63	1	Pre Slit Front Cover	PFS04012
12	1	Extension Spring MCM9654K9	-	62	2	Pre Slit Assembly Top Access Cover	PFS04011
11	2	Ealing mirror 23-6612	-	61	2	Pre Slit Assembly Side Access Cover	PFS04010
10	2	Ealing 23-4179 Flat Mirror	-	60	2	Pre Slit Assembly Front Access Cover	PFS04009
9	1	Drive Nut - Pic Design ANR11-3708	-	59	1	Pre-Slit Enclosure Rear Wall	PFS04008
8	2	Dowel Pin MCM98380A510	-	58	1	Pre Slit Assembly Front Wall	PFS04007
7	1	Coupling MCM2463K2	-	57	1	Pre Slit Enclosure Side Wall 1	PFS04006
6	1	CCD electronics saddlebag assembly	-	56	1	Pre Slit Enclosure Bottom Plate	PFS04005
5	1	Carr Lane Locator Button CL-2-SLB	-	55	2	Pre Slit Assembly Anchor Brace 2	PFS04004
4	1	Carr Lane Construction Ball CL-0-SCB	-	54	2	Pre Slit Assembly Anchor Brace 1	PFS04003
3	64	Button Head, Hex, 4-40 UNC x 0.25	-	53	1	Pre Slit Assembly Anchor Upright	PFS04002
2	7	Button Head, Hex, 10-24 UNC x 0.375	-	52	1	Pre Slit Assembly Anchor Base	PFS04001
1	1	Ball Slide - Edmund 37-366	-	51	1	Iodine Cell Assembly	PFS00024
				50	1	Guider Mount Assembly	PFS00023

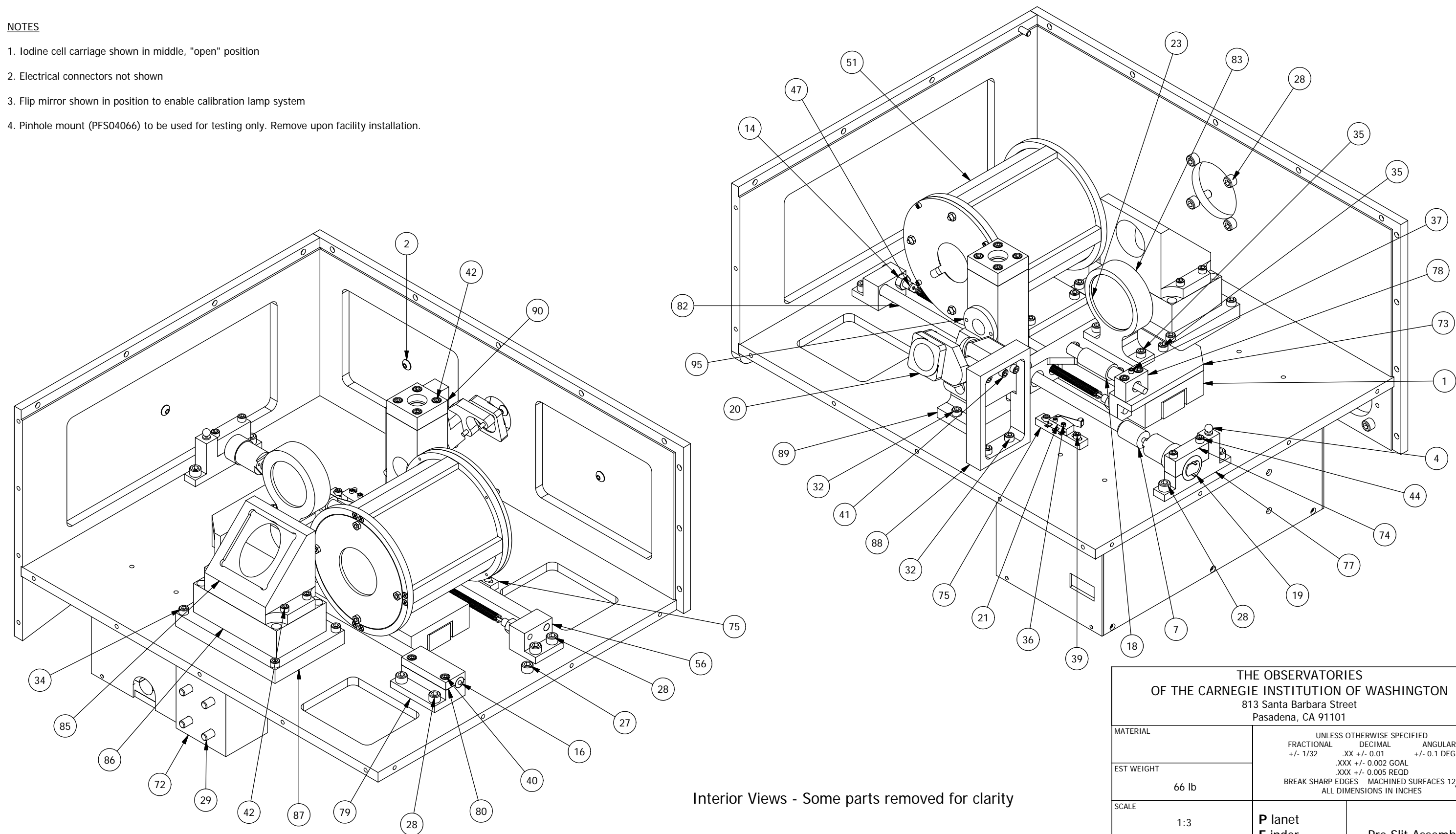


**THE OBSERVATORIES
OF THE CARNEGIE INSTITUTION OF WASHINGTON**
813 Santa Barbara Street
Pasadena, CA 91101

MATERIAL	UNLESS OTHERWISE SPECIFIED FRACTIONAL .XX +/- 0.01 ANGULAR +/- 0.1 DEG +/- 1/32 .XXX +/- 0.002 GOAL EST WEIGHT 66 lb .XXX +/- 0.005 REQD BREAK SHARP EDGES MACHINED SURFACES 125		
SCALE	1:4		P lanet F nder S pectrograph
DWN	CRANE	8/28/2007	
APVD	BY	DATE	SHEET B
			DRAWING NUMBER PFS00021
			SHT 1 OF 3
			REV 1

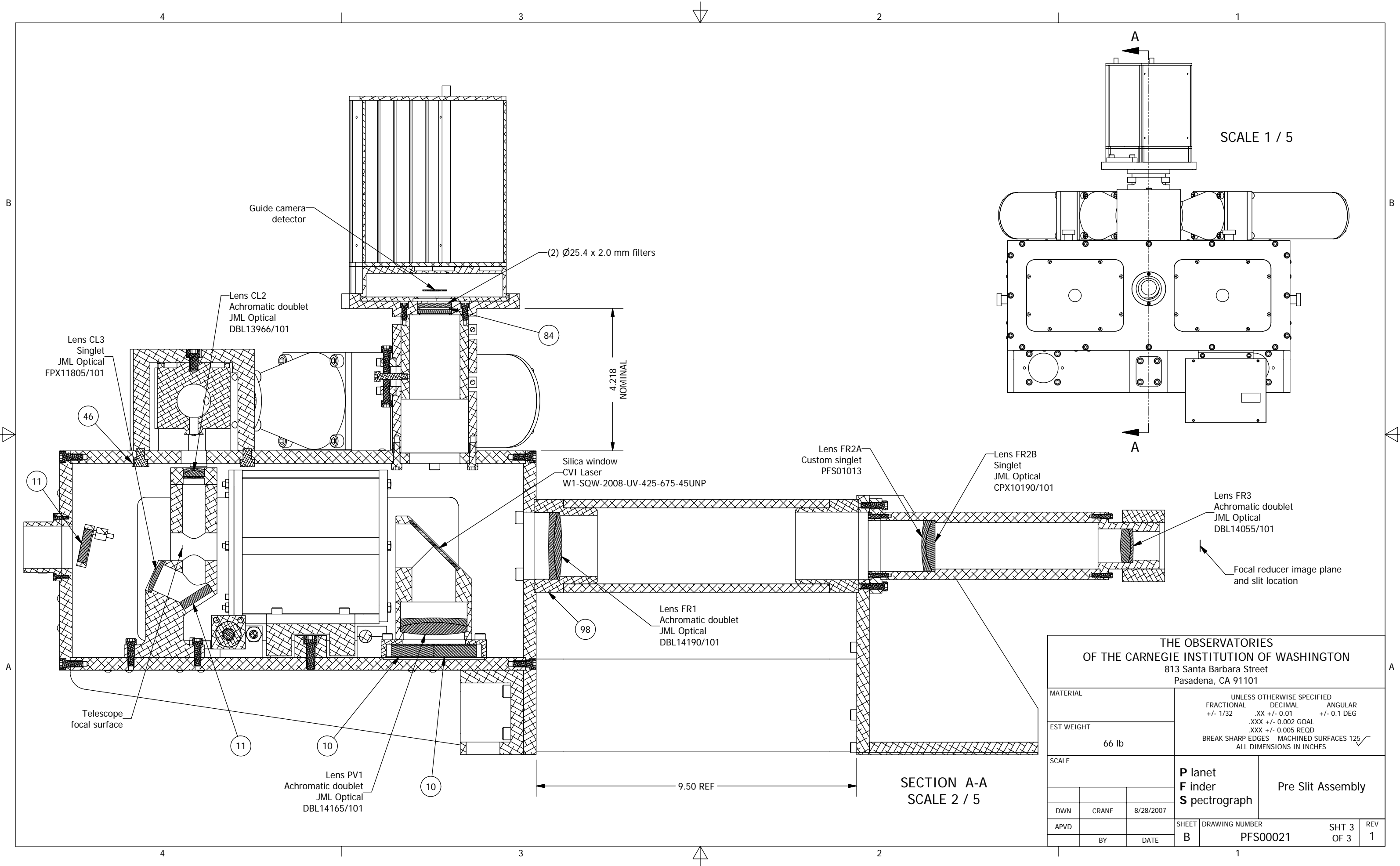
NOTES

1. Iodine cell carriage shown in middle, "open" position
2. Electrical connectors not shown
3. Flip mirror shown in position to enable calibration lamp system
4. Pinhole mount (PFS04066) to be used for testing only. Remove upon facility installation.



Interior Views - Some parts removed for clarity

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		P lanet F nder S pectrograph Pre Slit Assembly
DWN	CRANE	8/28/2007		
APVD	BY	DATE	SHEET	DRAWING NUMBER
			B	PFS00021
			SHT 2 OF 3	REV 1



THE OBSERVATORIES OF THE CARNEGIE INSTITUTION OF WASHINGTON 813 Santa Barbara Street Pasadena, CA 91101				
MATERIAL		UNLESS OTHERWISE SPECIFIED FRACTIONAL DECIMAL ANGULAR $\pm 1/32$.XX ± 0.01 ± 0.1 DEG		
EST WEIGHT		.XXX ± 0.002 GOAL .XXX ± 0.005 REQD BREAK SHARP EDGES MACHINED SURFACES 125 $\sqrt{\text{in}}$ ALL DIMENSIONS IN INCHES		
SCALE		P lanet F nder S pectrograph		Pre Slit Assembly
DWN	CRANE	8/28/2007		
APVD	BY	DATE	SHEET B	DRAWING NUMBER PFS00021
			SHT 3 OF 3	REV 1