



NOTES

1. Attach gauze pads to swivel bolt contact faces prior to lens gluing.
2. Swivel bolts allow 10° swivel and can accommodate group assembly with either lens PFS2 or PFS4 at the bottom of the stack.
3. Lenses PFS2 and PFS3B have $\varnothing 7.482$ while PFS3A and PFS4 have $\varnothing 7.480$. Use 0.001 thick shim stock at perimeter between lenses and radial support bars 2 when centering PFS3A and PFS4.

ITEM	QTY	DESCRIPTION	PART NUMBER
15	1	0.001 thick shim stock	-
14	6	SHCS 10-32 UNFx0.5	-
13	6	SHCS 10-32 UNFx0.75	-
12	6	Washer, ANSI A, Normal #10	-
11	4	Nylon Thumb Screw 10-32x2 MCM94323A835	-
10	3	Carr Lane Swivel Bolt CL-MF50-2501	-
9	3	Sylgard-184 RTV	-
8	1	PFS2 lens	PFS01002
7	1	PFS3A lens	PFS01003
6	1	PFS3B lens	PFS01004
5	1	PFS4 lens	PFS01005
4	1	Large Lens Gluing Fixture Base	PFS14001
3	3	Large Lens Gluing Support Block	PFS14002
2	1	Large Lens Gluing Radial Support Bar	PFS14003
1	2	Large Lens Gluing Radial Support Bar 2	PFS14014

Bill of Material

**THE OBSERVATORIES
OF THE CARNEGIE INSTITUTION OF WASHINGTON**
813 Santa Barbara Street
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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		9.3 lb (+14.6 w/ lenses)	
SCALE		1:3	
DWN		CRANE	10/10/2007
APVD		SHEET DRAWING NUMBER A PFS00014	
		SHT 1 OF 1 REV 1	

**P lanet
F nder
S pectrograph**

**Large Lens Gluing
Fixture Assembly**