



NOTES

1. Secure filter to PMT detector cradle with RTV in a few spots
2. Center fresnel lens in PMT fresnel frame and secure with RTV in a few spots
3. Sensitive area of PMT is $\varnothing 22\text{mm}$. Fresnel is F/1 with EFFL 6.0. Position of PMT shown distributes light over about $\varnothing 19\text{mm}$ in order to wash out positionally varying PMT response.

16	29	SHCS 8-32 UNCx0.625	-
15	1	SHCS 1/4-20 UNCx0.625	-
14	1	Washer, ANSI A, Normal 0.25	-
13	2	Shoulder Screw MCM90298A575	-
12	1	GG495 filter - Edmund Optics U32-753	-
11	1	Fresnel lens Edmund 32-594	-
10	1	Electron Tubes PMT package P25232	-
9	3	Table Top Flexure 2	PFS12009
8	1	PMT Detector Clamp	PFS12008
7	1	PMT Detector Cradle	PFS12007
6	1	PMT Detector Base Plate	PFS12003
5	2	PMT Detector Side Plate	PFS12002
4	1	PMT Fresnel Frame	PFS12005
3	1	PMT System Stiffener	PFS12006
2	2	PMT Fresnel Side Plate	PFS12004
1	1	PMT System Base Plate	PFS12001
ITEM	QTY	DESCRIPTION	PART NUMBER

Bill of Material

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 $\sqrt{\text{V}}$ ALL DIMENSIONS IN INCHES	
EST WEIGHT		5.0 lb	
SCALE		1:2	
DWN		CRANE	
APVD		5/15/2006	
BY		DATE	
SHEET		DRAWING NUMBER	
B		PFS00012	
SHT 1		REV	
OF 1			

P lanet
F nder
S pectrograph

PMT System Assembly