



Parts List	
REF	PARTS
1	Laser (Crystal Laser)
2	LB1 Beam Block (Thorlabs)
3	GL10-C26 Polarizer (Thorlabs)
4	Y1-1025-45-P (CVI)
5	f=100mm Lens (KPX094AR.33 Newport)
6	5104 Steering Mirror (New Focus)
7	ADM (1205C-843 Isomet)
8	BS1-1047-99-1025-45-P (CVI)
9	Iris
10	IR Photo Receiver (2033 New Focus)
11	Iris
12	f=500mm Lens (KPX118AR.33 Newport)

Notes:
 * Spot Sizes:
 1) At ADM < 300um
 2) At ETM ~ 1cm
 * Align all optics after the ADM to the deflected rf beam.
 * Be sure to dump ADM's transmitted beam (on iris, dump, etc.)

		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN FEET (IN)					LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY	
		TOLERANCES: FRACTIONAL * ANGULAR ** ANGULAR/HATCH & BEND * TWO PLACE DECIMAL *	THREE PLACE DECIMAL * FINISHED SURFACE RING BREAK CORNERS IN OUT REMOVE ALL BURRS					2k Photon Calibrator Optical Layout
XXX	XXX	MATERIAL:	HEAT TREAT:	FINISH:	REV	DESCRIPTION	DCN NUMBER	APPR'D CHECK DRWN DATE
DWG. NO.	DESCRIPTION	USED IN: XXX	NEXT ASS'Y: XXX					
REFERENCE DRAWINGS					ISSUE DESCRIPTION		SCALE	DWG. NO. LIGO-D040118-00-1 SHEET 1 OF 1

6 5 4 3 2 1

D
C
B
A

6 5 4 3 2 1