

NOTES: UNLESS OTHERWISE SPECIFIED

1. $-OAI-$ IS THE THEORETICAL OPTIC AXIS OF THE FIRST OPTIC SURFACE.
2. ASPHERIC SURFACES ARE DEFINED BY:

$$z(r) = \frac{r^2/R_c}{1 + \sqrt{1 - (1 + K)(r/R_c)^2}} + \sum_i A_{2i} r^{2i}$$

WHERE: r = RADIAL DISTANCE FROM VERTEX IN mm

- ### 3. SURFACE DEFINITIONS:

	SURFACE 1	SURFACE 2
TYPE	ASPHERE	PLANO
SHAPE	CX	PL
CA	$\emptyset 5.40$	$\emptyset 5.05$
R_C	10.324154	PLANO
K	-0.999999	0.000000
A_2	0.000000E0	0.000000E0
A_4	4.181794E-5	0.000000E0
A_6	4.089420E-8	0.000000E0
A_8	-3.566953E-9	0.000000E0
A_{10}	1.162313E-10	0.000000E0
A_{12}	0.000000E0	0.000000E0
A_{14}	0.000000E0	0.000000E0
A_{16}	0.000000E0	0.000000E0

- #### 4. NOMINAL DESIGN PARAMETERS:

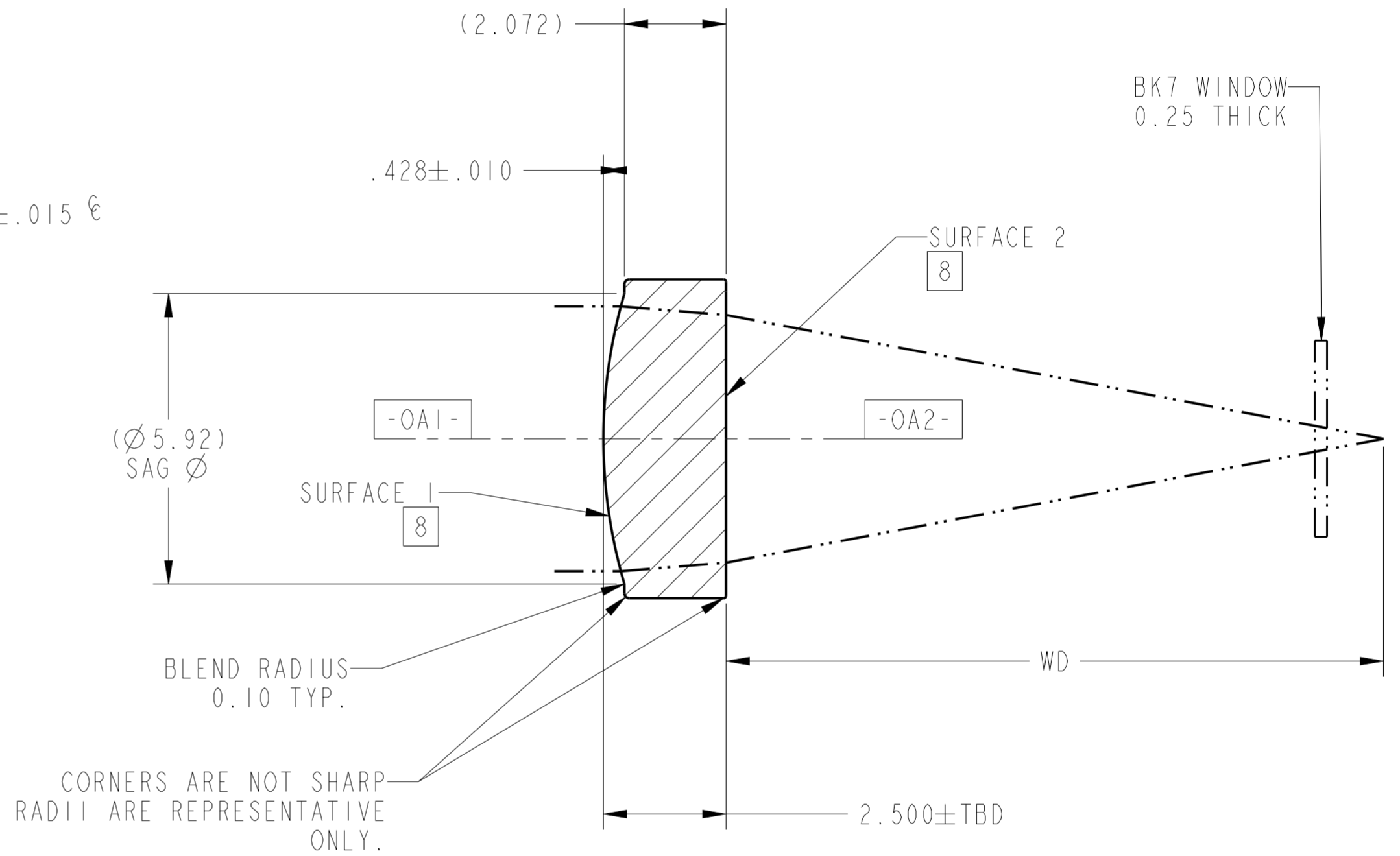
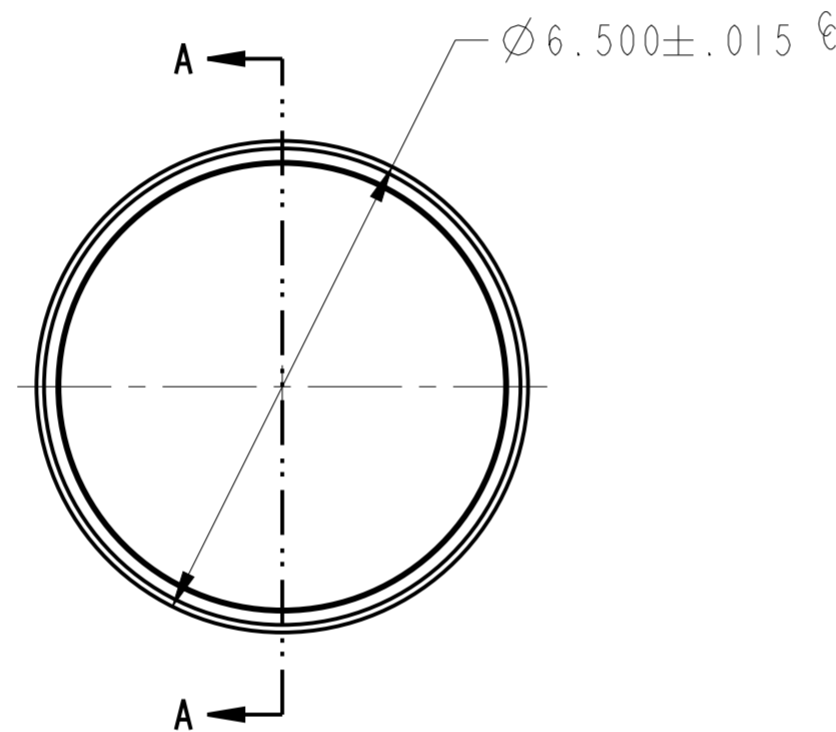
DESIGN WAVELENGTH	520nm
W.D.	13.4mm
N.A.	0.2
E.F.L.	14.8mm \pm 1.0%

5. FEATURES IDENTIFIED AS C ARE CRITICAL CHARACTERISTICS. CRITICAL CHARACTERISTICS ARE GUARANTEED IN PRODUCTION.

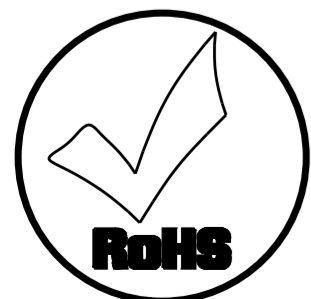
6. THIS ELEMENT MUST MEET THE SCRATCH/DIG REQUIREMENTS ACROSS THE FULL CLEAR APERTURES INDICATED, BOTH SIDES, PER LIGHTPATH PWI INS-8.2-05P6.6
-00: S/D: 40/20

7. THIS ELEMENT MUST MEET THE SCRATCH/DIG REQUIREMENTS ACROSS THE FULL CLEAR.
RMS WAVEFRONT ERROR: <0.04 WAVES ON-AXIS, <0.06 WAVES OVER $\pm 0.15\text{mm}$ FIELD HEIGHT @ 632.8nm
PER LIGHTPATH PWI.. TBC AT QUALIFICATION.

8 LENS TO BE COATED WITH BB505-535nm AR COATING, R <0.5% PER SIDE, AS DEFINED IN LIGHTPATH SPECIFICATION 9000935.



SECTION A-A



REVISION HISTORY				
REV	DCO	DESCRIPTION	DATE	INITIALS
I	4425	INITIAL RELEASE	03/15/16	PL

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM. DECIMAL TOLERANCES ARE: .X ± 0.25 .XX ± 0.10 .XXX ± 0.025 .XXXX ± 0.013 ANGLES: ± 0.5°		 2603 CHALLENGER TECH CT, SUITE 100 ORLANDO, FL 32826		PROPRIETARY INFORMATION THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF LIGHTPATH TECHNOLOGIES AND IS NOT TO BE DISCLOSED OR REPRODUCED IN WHOLE OR PART, OR USED FOR MANUFACTURING FOR ANYONE OTHER THAN LIGHTPATH TECHNOLOGIES WITHOUT ITS WRITTEN CONSENT. NO RIGHT IS GRANTED TO DISCLOSE OR USE ANY INFORMATION CONTAINED IN SAID DOCUMENT.	
DRAWN PL\ORL		TITLE LENS CODE 375101			
MATERIAL D-ZF10(m)		SIZE A2	DWG NO 0375101	REV I	
SOFTWARE Pro/ENGINEER		SCALE: 10.00	THIRD ANGLE PROJECTION 	SHEET I OF I	