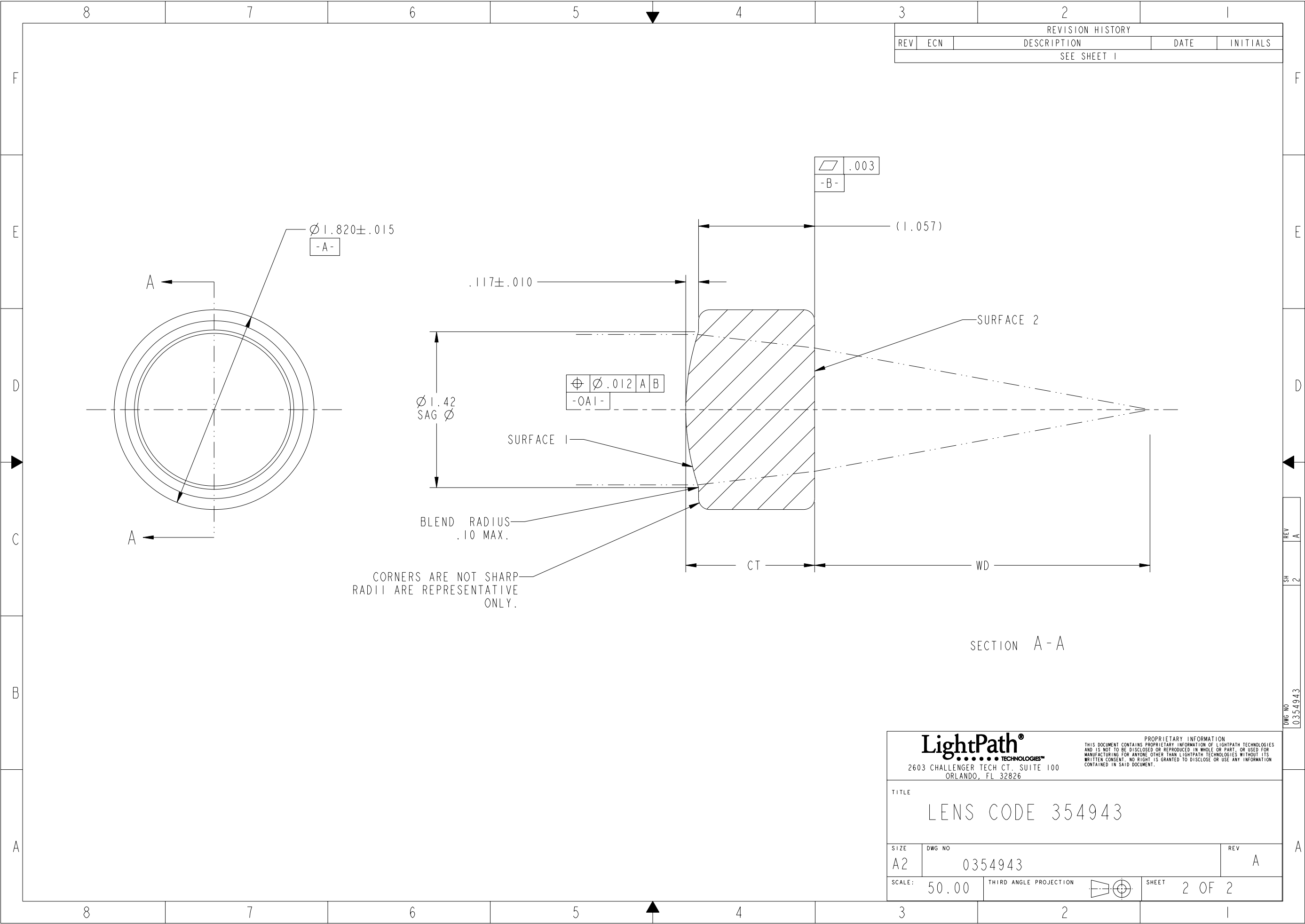


8			7		6		5		4		3		2		1	
RADIUS			RADIUS ERROR	ROUGHNESS	IRREGULARITY	CA	CT	WD	NA	DESIGN WAVELENGTH	EFL	WAVEFRONT				
S1	ASPHERE	CX	± 0.019 mm	<10nm RMS	<316.5nm P-V <105.5nm RMS	Ø 1.37	1.174±0.020	3.055	0.18	980	3.80±1.0%	< 0.040 WAVES RMS @ 632.8nm				
S2	PLANO	PL	N/A	<10nm RMS	<316.5nm P-V <105.5nm RMS	Ø 1.12										
NOTES: UNLESS OTHERWISE SPECIFIED																
1. -OAI- IS THE THEORETICAL OPTIC AXIS OF THE FIRST OPTIC SURFACE.																
2. MATERIAL: D-ZK3, PREFORM PART NUMBER: 0290693.																
3. ASPHERIC SURFACES ARE DEFINED BY:																
$Z(Y) = \frac{Y^2}{R*(1+[1-(1+K)*Y^2/R^2]^{0.5})} + A_2*Y^2 + A_4*Y^4 + A_6*Y^6 + A_8*Y^8 + A_{10}*Y^{10} + A_{12}*Y^{12} + A_{14}*Y^{14} + A_{16}*Y^{16}$																
WHERE: Y= RADIAL DISTANCE FROM VERTEX IN mm																
4. SURFACE DEFINITIONS:																
			SURFACE 1		SURFACE 2											
RADIUS			2.188166		PLANO											
K			-0.656363		0.000000											
A ₂			0.000000E0		0.000000E0											
A ₄			1.128054E-3		0.000000E0											
A ₆			7.522826E-6		0.000000E0											
A ₈			0.000000E0		0.000000E0											
A ₁₀			0.000000E0		0.000000E0											
A ₁₂			0.000000E0		0.000000E0											
A ₁₄			0.000000E0		0.000000E0											
A ₁₆			0.000000E0		0.000000E0											
5. THIS ELEMENT MUST MEET THE SCRATCH/DIG REQUIREMENTS ACROSS THE FULL CLEAR APERTURES INDICATED, BOTH SIDES, PER MIL-PRF-13830B AS PROVIDED IN LIGHTPATH SPECIFICATION: 9000621.																
6. THIS ELEMENT IS USED AS A COLLIMATING LENS. TEST METHODS AND FREQUENCIES ARE DEFINED AS PROVIDED IN LIGHTPATH SPECIFICATION: 9000621.																
RoHS																
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° DRAWN ASYMMONS\ORL MATERIAL SEE NOTES SOFTWARE Pro/ENGINEER LightPath® 2603 CHALLENGER TECH CT. SUITE 100 ORLANDO, FL 32826 TITLE LENS CODE 354943 SIZE A2 DWG NO 0354943 REV A SCALE: 50.00 THIRD ANGLE PROJECTION SHEET 1 OF 2 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.																



REVISION HISTORY				
REV	ECN	DESCRIPTION	DATE	INITIALS
SEE SHEET 1				

 .003
-B-

 Ø .012 A B
-0A1-

CORNERS ARE NOT SHARP
RADIOI ARE REPRESENTATIVE
ONLY.

SECTION A - A

LightPath® TECHNOLOGIES™ 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.	
TITLE			
LENS CODE 354943			
SIZE	DWG NO	REV	
A2	0354943	A	
SCALE:	THIRD ANGLE PROJECTION	SHEET	
50.00		2 OF 2	

DWG NO 0354943
SH 2
REV A