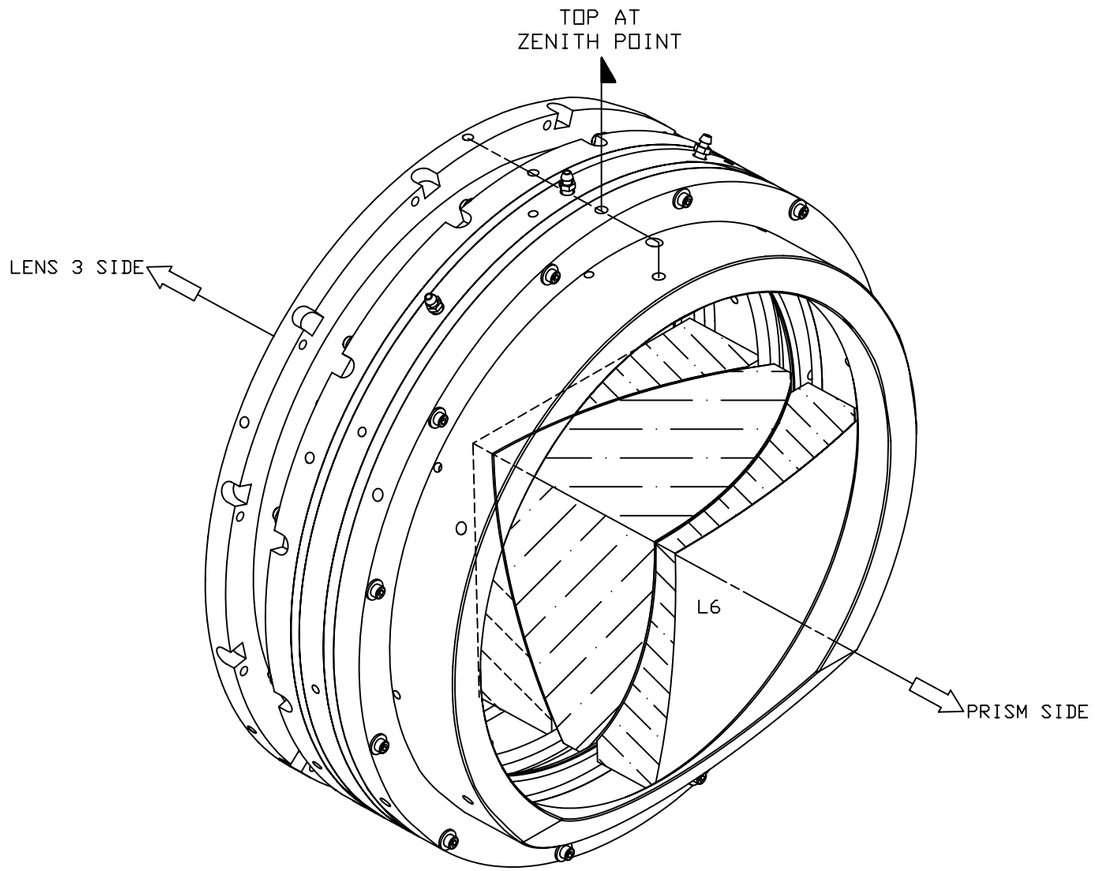
REVISIONS				
LTR	DESCRIPTION	DATE	REVISED BY	APPROVED
A	INITIAL RELEASE	4/27/04	R. NAGY	G. LANDIS
B	UPDATED TO REDESIGNED BEVELED LENS CELLS 4 & 6; REVISED NOTE 3	6/29/04	R. NAGY	M. REED
C	SHT 1 ONLY (SHT 2 & 3 REMAIN AT REV B), LIST OF MATL, ITEM 20 WAS 95862A192 (DWG CORRECTION; NOT A DESIGN CHANGE)	9/24/04	R. NAGY	M. REED



ISO VIEW

SCALE NTS

ADDITIONAL ASSEMBLY VIEWS ON SHTs 2 & 3

NOTES:

1. REQUIRED REFERENCE DOCUMENTS:
   A. 12880 OPTICAL SYSTEM DRAWING
   B. SP13549 LENS CAN ALIGNMENT PROCEDURE
2. FINAL THICKNESS DIMENSION OF ITEM 6 SPACER BLANK BETWEEN EACH LENS CELL IS AS SPECIFIED PER ALIGNMENT PROCEDURE.
3. AFTER ALIGNMENT OF LENSES IN CELLS:
   A. FILL IN BEVELED AREAS OF LENS CELLS 4 & 6 SHOWN IN DETAIL D (SHT 3) WITH PUTTY AS SPECIFIED IN ALIGNMENT PROCEDURE.
   B. ENCAPSULATE LENSES IN ALL CELLS USING ITEM 22 RTV ALL AROUND IN AREAS ALSO SHOWN IN DETAIL D (SHT 3).
4. TRIM & FIT ITEMS 13 & 14 O-RINGS AS SHOWN IN DETAIL D (SHT 3) & BOND ENDS TOGETHER WITH ITEM 22 RTV. O-RINGS MUST NOT COMPRESS AGAINST LENSES.

-3	-2	-1	PART NUMBER	PART DESCRIPTION	MANUFACTURER or MAT'L SPEC	ITEM NO.
QTY PER ASSY						
		AR	SYLGARD 184	RTV	DOW CORNING	22
						21
		24	95862A194	SETSCREW, FLAT PT, SLOTTED, .164-32 UNC x .50 LG, NYLON	McMASTER-CARR	20
		24	90126A509	WASHER, FLAT, SAE LOW-STRENGTH STL, #6 x .38 OD x .036-.065, Zn-PLT	McMASTER-CARR	19
		24	91251A155	SHCS, .138-32 UNC-2A x 1.25 LG, ALLOY STEEL, BLACK FINISH	McMASTER-CARR	18
						17
		3	45-9404	BRAKE BLEEDER SCREW, 1/4-28 x 1", CHROME	GARDNER-WESCOTT CO.	16
						15
		33"	9616K14	O-RING CORD STOCK, NOM. 3/16 W, MATL: EPDM	McMASTER-CARR	14
		33"	9616K12	O-RING CORD STOCK, NOM. 3/32 W, MATL: EPDM	McMASTER-CARR	13
		4	9557K277	O-RING, AS568A-278, NOM. 12 ID x 12.25 OD x .125 W, MATL: EPDM	McMASTER-CARR	12
		4	9557K276	O-RING, AS568A-277, NOM. 11.5 ID x 11.75 OD x .125 W, MATL: EPDM	McMASTER-CARR	11
						10
						9
						8
		2	13204	LENS CAN SPACER BLANK		7
		1	13203	LENS 6 CELL		6
		1	13202	LENS 5 CELL		5
		1	13201	LENS 4 CELL		4
		1	12875	LENS-ELEMENT 6		3
		1	12874	LENS-ELEMENT 5		2
		1	12873	LENS-ELEMENT 4		1

LIST OF MATERIALS

DO NOT SCALE DRAWING

INTERPRET DIMENSIONS AND TOLERANCES IN ACCORDANCE WITH ASME Y14.5M-94

TOLERANCES UNLESS OTHERWISE SPECIFIED

LINEAR: .X = NA, .XX = NA, .XXX = NA

ANGULAR: NA

DIAMETRICAL: SEE SPEC S-002

DIMENSIONS ARE IN INCHES / DIMENSIONS IN ( ) ARE METRIC

MATERIAL: –

FINISH: –

THIS DRAWING CREATED IN: ACAD ☐ MECH ☐ IDEAS ☒

13473 MMT

NEXT ASSY | USED ON

ASSEMBLY APPLICATION

Steward Observatory, University of Arizona
933 N. Cherry Avenue, Tucson, AZ 85721 (520)621-7659

DESIGNED BY: D. DEAN	DATE: 12/2/03	CATEGORY: MMT	
DRAWN BY: R. NAGY	12/5/03	PROJECT: MAESTRO	
CHECKED BY: G. LANDIS	4/14/04	TITLE: LENS CAN LENS 4 TO 6 ASSEMBLY	
APPROVED: S. MATHEWS	4/27/04		
APPROVED: M. REED	4/27/04		
APPROVED: J. BECHTOLD	4/27/04	PLOT SIZE: D / SCALE: - / DRAWING NUMBER: 13550 / REVISION: C	
APPROVED:		CURRENT TIME/DATE/FILE LOCATION:	SHEET 1 OF 3
		DRAWING ARCHIVE LOCATION: http://davinci.as.arizona.edu/acad/default.html	