## NOTES CONTINUED:

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(5) SCRIBE, ENGRAVE (A VIBRATORY TOOL MAY BE USED), LASER MARK OR MECHANICALLY STAMP (NO INKS OR DYES) DRAWING PART NUMBER, REVISION (AND VARIANT OR "TYPE" IF APPLICABLE) ON NOTED SURFACE OF PART FOLLOWED ON THE NEXT LINE WITH A THREE DIGIT SERIAL NUMBER. SERIAL NUMBERS START AT 001 FOR THE FIRST ARTICLE AND PROCEED CONSECUTIVELY. USE MINIMUM 0.12" HIGH CHARACTERS, UNLESS THE SIZE OF THE PART DICTATES SMALLER CHARACTERS. EXAMPLE: DXXXXXX-VY, TYPE-XX, S/N XXX

6. APPROXIMATE WEIGHT = SEE FIELD OF DRAWING.

- 7. ALL PARTS SHALL BE MANUFACTURED IN ACCORDANCE WITH LIGO SPECIFICATION E0900364.
- 8. MACHINE ALL SURFACES TO REMOVE OXIDES AND MILL FINISH, USE OF ABRASIVE REMOVAL TECHNIQUES IS NOT ALLOWED. REFER TO LIGO-E0900364
- 9. ALL MATERIAL IS TO BE VIRGIN MATERIAL (i.e. NO WELD REPAIRS, PLUGS OR RECYCLED MATERIAL). NO REPAIRS SHALL BE MADE UNLESS APPROVED IN ADVANCE, AND IN WRITING, BY LIGO LABORATORY. REFER TO LIGO-E0900364.

7

(10) ITEMS (2) (PIN) TO BE INSTALLED BY LIGO PERSONEL, AFTER DELIVERY OF FINISHED PARTS. USE GAUGE TOOL D1300025-v2 TO ACHIEVE PROPER PRESSED DEPTH.



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A DIMENSIONS TOLERANCE .XX ± .01 .XXX ± .005 ANGULAR ±	DIMENSIONS ARE IN INCHES TOLERANCES: .XX ± .01 XXX + .005	<ol> <li>INTERPRET DRAWING PER ASME Y14.5-1994.</li> <li>REMOVE ALL SHARP EDGES, .005015.</li> <li>DO NOT SCALE FROM DRAWING.</li> <li>ALL MACHINING FLUIDS MUST BE FULLY SYNTHETI SOLUBLE AND FREE OF SULFUR, SILICONE, AND CHI</li> </ol>	<ol> <li>INTERPRET DRAWING PER ASME Y14.5-1994.</li> <li>REMOVE ALL SHARP EDGES, .005015.</li> <li>DO NOT SCALE FROM DRAWING.</li> <li>ALL MACHINING FLUIDS MUST BE FULLY SYNTHETIC, FULLY WATER SOLUBLE AND FREE OF SULFUR, SILICONE, AND CHLORINE.</li> </ol>			
	ANGULAR ± 0.5°	MATERIAL AL ALLOY 6061-T6	ғімізн 63 µinch	NEXT ASSY	D1200174	
	0	7				

	3	2	1
REV.	DATE	DCN #	DRAWING TREE #
v1	25 OCT 2012	E1200962-V1	
v2	28 NOV 2012	E1200962-V2	
v3	17 JUL 2013	E1300602	

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D1200172-4 WEIGHT: .28 LBS

	-																
	5	5 -3		aLIGO	PCA	L MIRR(	OR MOUN	IT BAS	SE, 49.3	8 DEC	Э	60	061-T6 Al	-	-	1	-
	4	-2		aLIGO PCAL MIRROR MOUNT BASE, 43.72 DEG.						Э	60	061-T6 AI	-	1	-	-	
	3	-1		aligo pcal mirror mount base, 40.63 deg.						Э. –	60	061-T6 Al	1	-	-	-	
	2	D13	00022	aligo pcal periscope mirror alignment pin						PIN V	2  30  0	04, 316 DR 302 SSTL	2	2	2	2	
	1	-4		aLIGO PCAL MIRROR MOUNT BASE, ZERO ANGLE						GLE -	60	061-T6 Al	-	-	-	1	
ITEM PART NO. NO.							DESCRIPTIC	ON			RE	<b>v</b> .	MATERIAL	-1 QTY.	-2 QTY.	-3 QTY.	-4 QTY.
PARTS LIST												1	1				
HNOLOG	OLOGY		aligo, pcal,														
TECHNO				MIRROR MOUNT BASE, ETM BEAM													
SUB-SYSTE	Μ	DESIG		NER	S. SHAN	NKLE	25 OCT 2012	SIZE DWG. NO.								RI	EV.
A	CC		DRAFT	R	S. SHAN	NKLE	25 OCT 2012	С			11	)(	$\cap \cap 1$	70			13
			CHECK	ER	S. SHAN	NKLE	25 OCT 2012	Ŭ				<u> </u>					
			APPRO	VAL	S. SHAN	NKLE	25 OCT 2012	SCAL	<b>E:</b> 2:1	PRO	DJECTION	۷:			SHE	et 1 Of	2
				3					2					1			



D1200172 - aLIGO, PCAL, MIRROR MOUNT, ETM BEAM, PART PDM REV: X-026, DRAWING PDM REV: X-014