	8	7 6		5 4
	NOTES CONTINUED: (5) SCRIBE, ENGRAVE, OR MECHANICALLY STA (NO INKS OR DYES) DRAWING PART NUMBE REVISION (AND VARIANT OR "TYPE" IF APPLI ON NOTED SURFACE OF PART FOLLOWED (NEXT LINE WITH A THREE DIGIT SERIAL NUMBE SERIAL NUMBERS START AT 001 FOR THE FIRST	MP ER, CABLE) ON THE SER.		
F	ARTICLE AND PROCEED CONSECUTIVELY. U MINIMUM 0.12" HIGH CHARACTERS, UNLESS SIZE OF THE PART DICTATES SMALLER CHAR A VIBRATORY TOOL MAY BE USED. EXAMPLE: DXXXXXX-VY, TYPE-XX, S/N XXX	D-screw1		(00) = D-screw (prism 2)
E				
D				
	(110)			
С			S/N XX	
В	PRISM BONDING JIG SET-UP PRO 1. MEASURE ACTUAL INTERNAL V IN ORDER TO CALCULATE D-scree THE PRISM BONDING JIG ASSEMINATION OF THE PRISM BONDING STREETHER ON DIVISION OF THE PRISM BONDING STREETH	CEDURE:- VIDTH OF BASEPLATE (66 NOMINAL)AND SUBTRAC W 1 VALUE (3 NOMINAL), WHICH WILL BE USED TO BLY, WITH THE CENTRE OF MASS.	T ACTUAL WIDTH OF D LOCATE THE CENTR	MASS (60 NOMINAL) ELINE OF
	3. ALIGN THE CENTRAL DATUM A AND FIX JIG BY TIGHTENING THE	XIS OF THE PRISM BONDING JIG ASSEMBLY(DATUI SPRING PLUNGER.	M A) WITH THE FIDUC	IAL LINE ON THE MASS
_	IMPORTANT NOTE:- AT ANY ONE PLUNGER ON THE OPPOSITE SIDE	TIME, ONLY THE TWO MICROMETERS ACTING ON SHOULD BE IN CONTACT WITH THE MASS FACES,	THE FRONT FACE OF NO OTHER POINTS O	THE MASS AND THE SPRING F CONTACT ARE REQUIRED.
	I.E. WHEN SETTING UP ON ONE SI ONLY POSITIONS MARKED 'Y' SHO	de only positions marked 'X' should be utilis Juld be utilised.	Sed and when settii	NG UP ON THE OPPOSITE SIDE
A	DIMENSIONS ARE IN MILLIMETERS	NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED) 1. INTERPRET DRAWING PER ASME Y14.5-1994. 2. REMOVE ALL SHARP EDGES R 5 MIN		LIGO CALIFORNIA INSTITUTE OF MASSACHUSETTS INSTITUT
	TOLERANCES: .X ± 0.1 .XX ± 0.05	 3. DO NOT SCALE FROM DRAWING. 4. ALL MACHINING FLUIDS MUST BE FULLY SYNTHETIC, AND FREE OF SULFUR, SILICONE, AND CHLORINE. 	FULLY WATER SOLUBLE	SYSTEM aligo sus
	ANGULAR± 0.2°	MATERIAL N/A	finish N/A μm	NEXT ASSY D1002147

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8 D1002148_aLIGO_BSFM_PRISM_BONDING_FIXTURE, PART PDM REV: v1, DRAWING PDM REV:

		3	2	1		
	REV. DATE		DCN #	DRAWING TREE #		
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F	2	2	
		'	

Ę	McMaster-0 92185A19	Carr 94 8-32 UNC x 0.5" Socket Head Cap Screw			N	316 STAINLESS STEEL	4	-	4	
Z	McMaster C 8688A15	Carr 1/4-20" RC	1/4-20" ROUND NOSED SPRING PLUNGER			316 STAINLESS STEEL	2	-	2	
3	3	Nev	Newport HR-13 micrometer			ockable Micrometer (Newport Cooperation)	4	-	4	
2 D1002151		1 Bond	Bonding Jig Support Cylinder			PTFE (general)	2	-	2	
1	D100214	9 BS/FM	BS/FM prism bonding baseplate			6061-T6 AI	1	-	1	
ITEM NO. PART NUMBER		BER	DESCRIPTION			MATERIAL	REQ	SPARE	TOTAL	
PARTS LIST										
f tec fe oi	Chnology F Technology	part name Y	PART NAME Prism bonding fixture							
	SUB-SYSTEM	DESIGNER	M.V.VEGGEL	12/08/2010	SIZE	DWG. NO.		R	EV.	
	BS/FM	DRAFTER	R.JONES	OCT 10	C	D10021/18			/1	
,		CHECKER	M.V.VEGGEL	21 OCT 10		D1002140			VI	
				1						

SCALE: 1:2 PROJECTION:

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APPROVAL

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SHEET 1 OF 1

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