

REV.	DATE	DCN #	DRAWING TREE #
v1	18 NOV 2010	E1101007	
v2	8 MAY 2012		
v3	21 MAY 2012	E1101007	
v4	21 JUN 2012	E1101007	

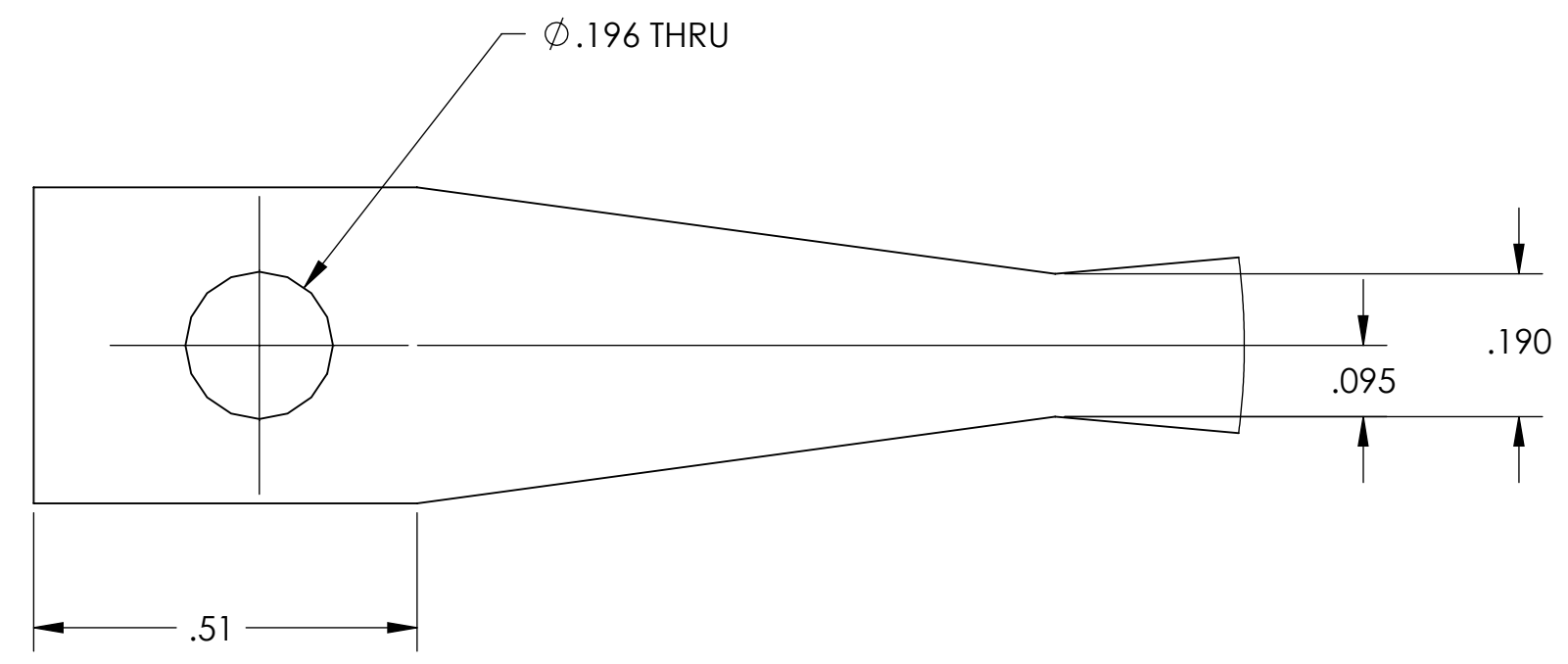
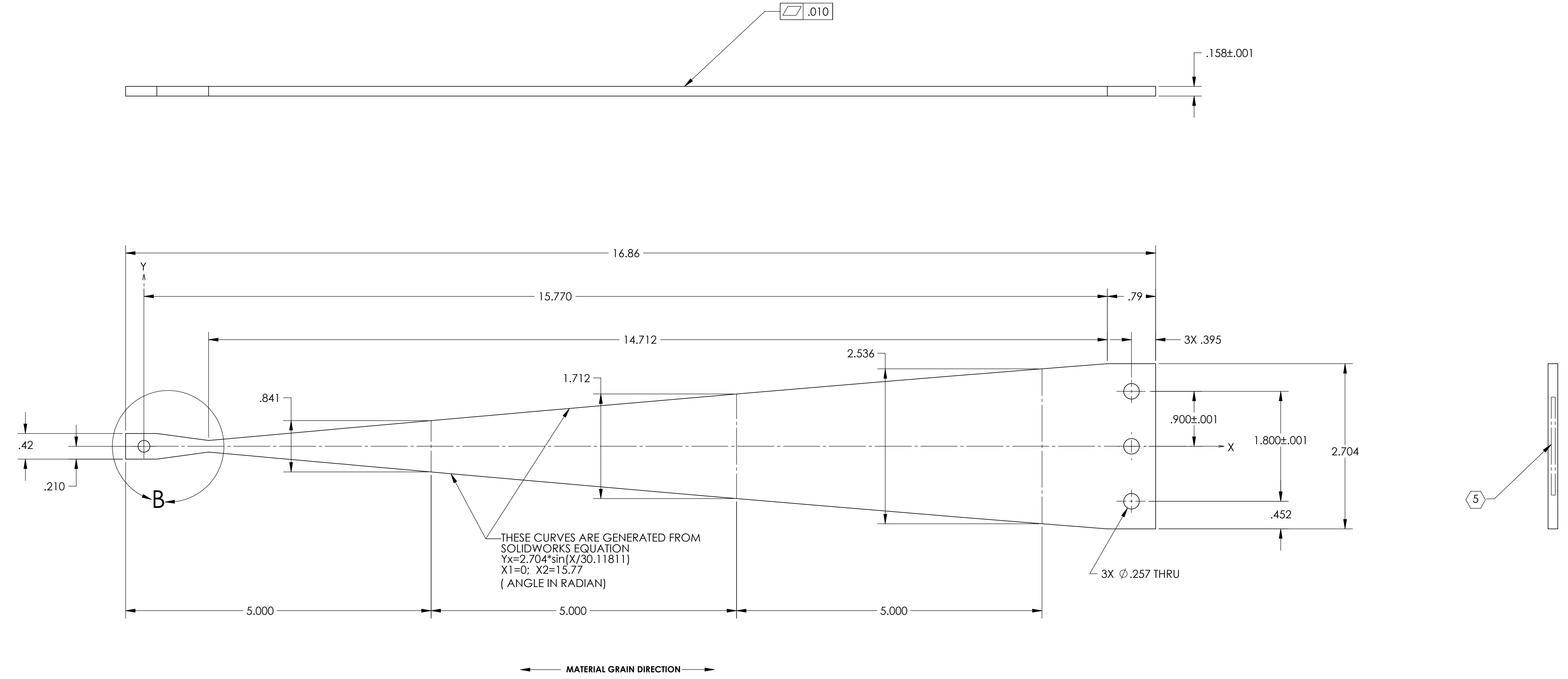
**NOTES CONTINUED:**

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. PART TO BE HEAT TREATED AND PLATED IN ACCORDANCE WITH LIGO SPECIFICATION E0900023-V10.

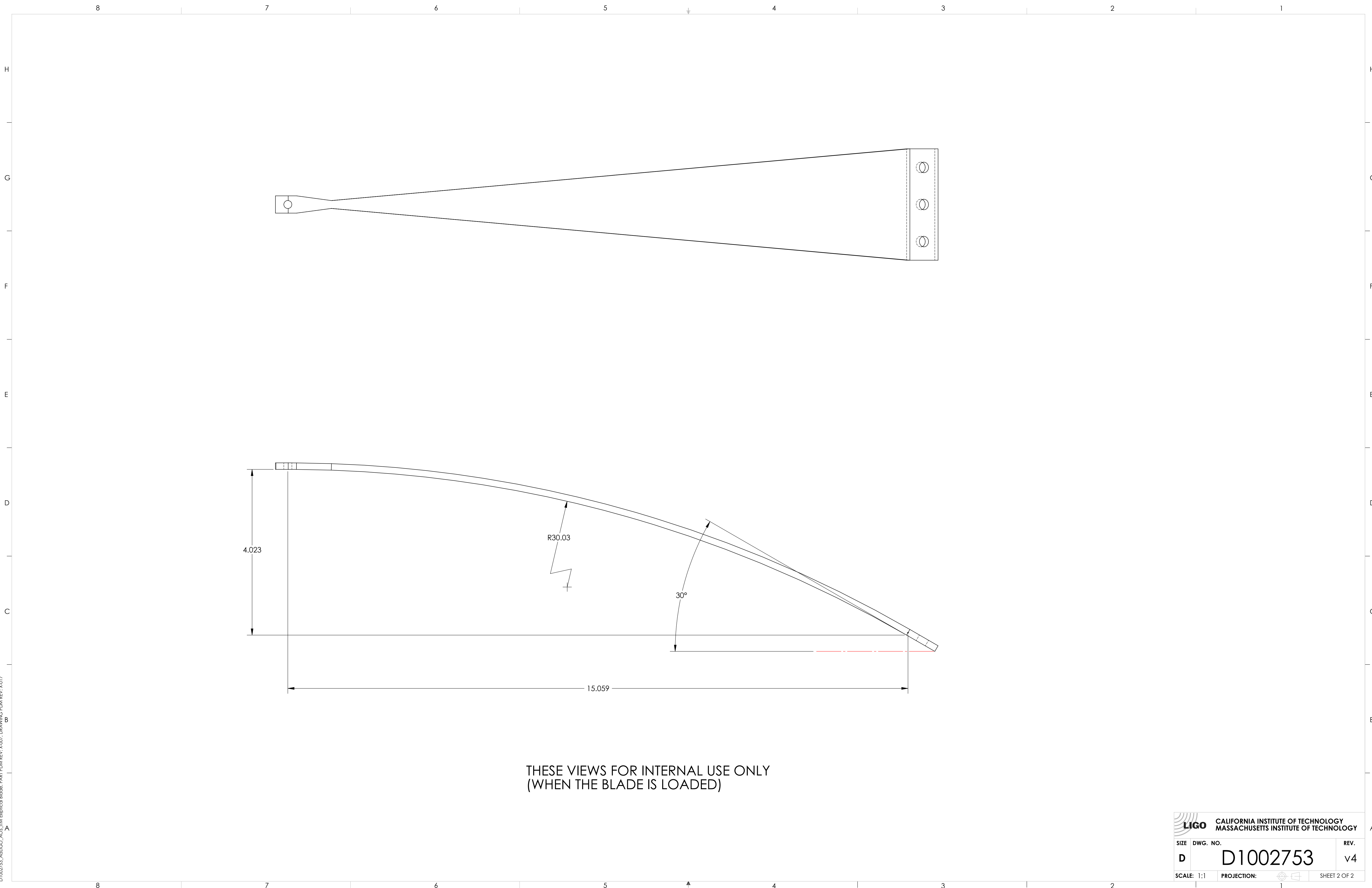
7. MACHINE ALL SURFACES TO REMOVE OXIDES AND MILL FINISH.

8. ALL PARTS SHALL BE MANUFACTURED IN ACCORDANCE WITH LIGO SPECIFICATION E0900364 AND E0900023. E0900023 TAKES PRECEDANCE.



DETAIL B  
SCALE 4 : 1

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)		LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		PART NAME	
DIMENSIONS ARE IN INCHES TOLERANCES: .XX ± .01 .XXX ± .005 ANGULAR ± 1.0°		1. INTERPRET DRAWING PER ASME Y14.5-1994. 2. REMOVE ALL SHARP EDGES, R.02 MIN. 3. DO NOT SCALE FROM DRAWING. 4. ALL MACHINING FLUIDS MUST BE FULLY SYNTHETIC, FULLY WATER SOLUBLE AND FREE OF SULFUR, SILICONE, AND CHLORINE.		ITM Elliptical Blade	
MATERIAL MARAGING STEEL C250		FINISH 63 μinch		SYSTEM ADVANCED LIGO	
		SUB-SYSTEM AOS		DESIGNER N.Nguyen	
		NEXT ASSY D1101886		DATE 01 Jun 2010	
				SIZE D	
				DWG. NO. D1002753	
				REV. v4	
				SCALE: 1:1	
				PROJECTION:	
				SHEET 1 OF 2	



THESE VIEWS FOR INTERNAL USE ONLY  
(WHEN THE BLADE IS LOADED)

 <b>CALIFORNIA INSTITUTE OF TECHNOLOGY</b> <b>MASSACHUSETTS INSTITUTE OF TECHNOLOGY</b>		
SIZE	DWG. NO.	REV.
D	D1002753	v4
SCALE: 1:1	PROJECTION:	SHEET 2 OF 2

D1002753\_AduLIGO\_ACS\_TIM\_Elliptical Blade\_PART PDM\_REV.X:007\_DRAWING PDM\_REV.X:017