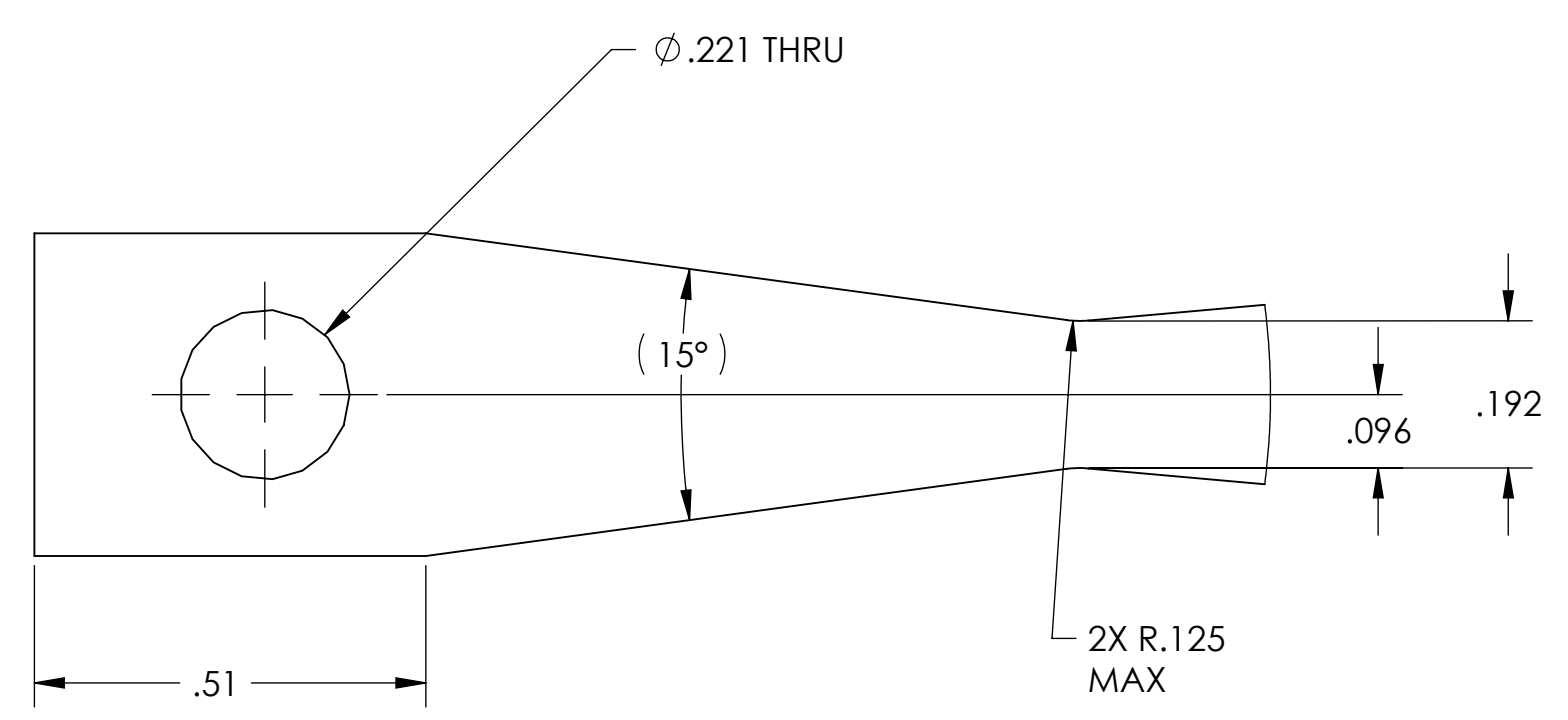
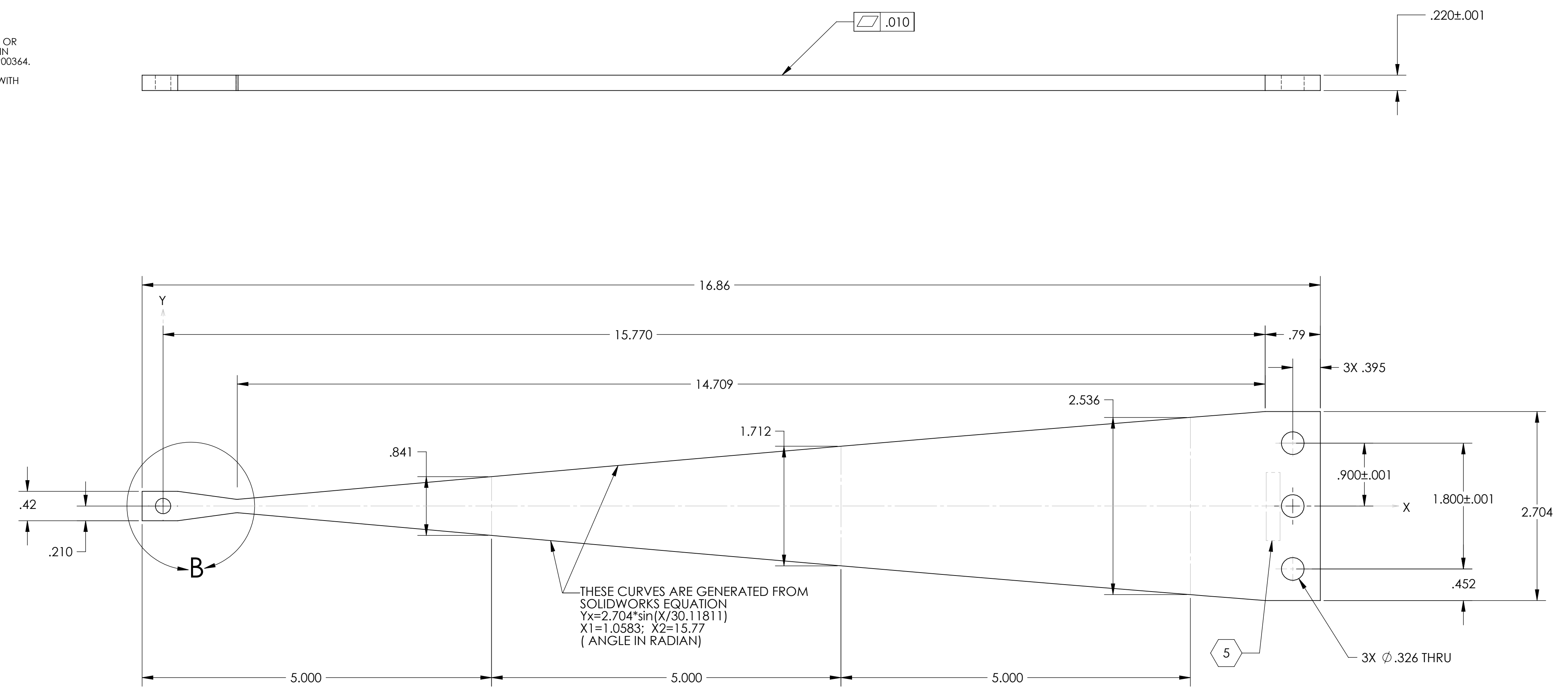


- NOTES: UNLESS OTHERWISE SPECIFIED**
1. INTERPRET DRAWING PER ASME Y14.5-1994.
 2. REMOVE ALL SHARP EDGES 0.005" TO 0.015".
 3. DO NOT SCALE FROM DRAWING.
 4. ALL MACHINING FLUIDS MUST BE FULLY SYNTHETIC, FULLY WATER SOLUBLE AND FREE OF SULFUR, SILICONE, AND CHLORINE. REFER TO LIGO E0900237 FOR LIST OF APPROVED COOLANTS.
 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 = 1.27 LB.
 7. MACHINE ALL SURFACES TO REMOVE OXIDES AND MILL FINISH, USE OF ABRASIVE REMOVAL TECHNIQUES IS NOT ALLOWED. REFER TO LIGO-E0900023.
 8. ALL PARTS SHALL BE MANUFACTURED IN ACCORDANCE WITH LIGO SPECIFICATION E0900023.
 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.
 10. PART TO BE MANUFACTURED, TREATED AND PLATED IN ACCORDANCE WITH LIGO SPECIFICATION E0900023.

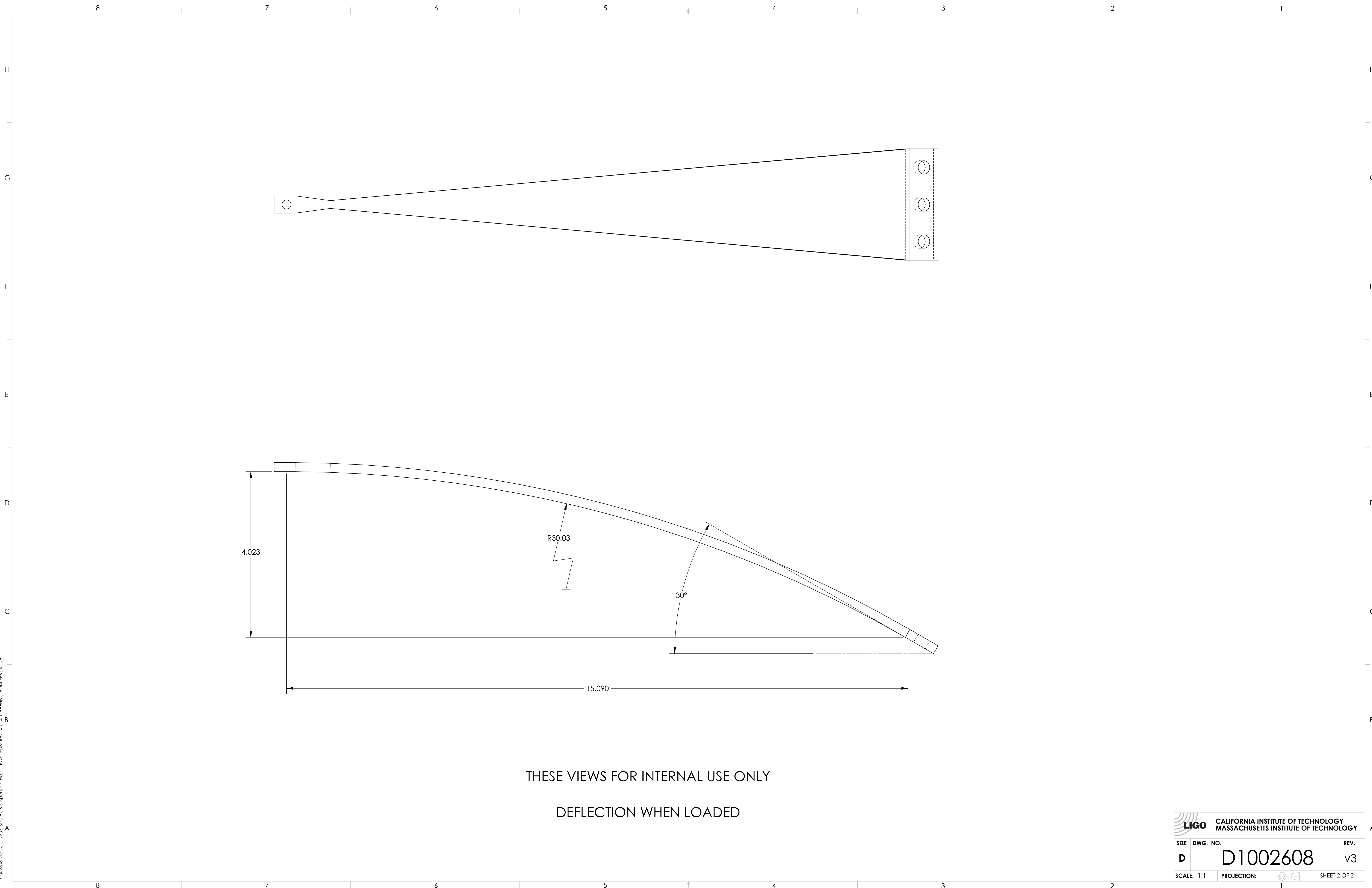
REV.	DATE	DCN #	DRAWING TREE #
v1	22 JUL 2010	E1000285	
v2	01 APR 2011	E1100216	
v3	14 JUL 2011	E1100335	



DETAIL B
SCALE 4 : 1

← MATERIAL GRAIN DIRECTION →

DIMENSIONS ARE IN INCHES		CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		PART NAME SLC ACB SUSPENSION BLADE	
TOLERANCES: .XX ± .01 .XXX ± .005 ANGULAR ± 1.0°		SYSTEM ADVANCED LIGO		SUB-SYSTEM AOS	
MATERIAL MARAGING STEEL C250		FINISH 63 μinch		NEXT ASSY D1001005	
				DESIGNER: N.Nguyen 01 Jun 2010 DRAFTER: TQ. NGUYEN 22 JUL 2010 CHECKER: M. SMITH 01 NOV 2010 APPROVAL: D. COYNE 20 NOV 2010	
		SIZE: D DWG. NO.: D1002608		REV.: v3	
		SCALE: 1:1		PROJECTION:	
				SHEET 1 OF 2	



THESE VIEWS FOR INTERNAL USE ONLY

DEFLECTION WHEN LOADED

LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		REV.
SIZE	DWG. NO.	REV.
D	D1002608	v3
SCALE: 1:1	PROJECTION:	SHEET 2 OF 2

D:\002608_Adu\GO_ACS_S\ACS Suspension Blade.PART PDM REV: X:01.4 DRAWING PDM REV: X:025