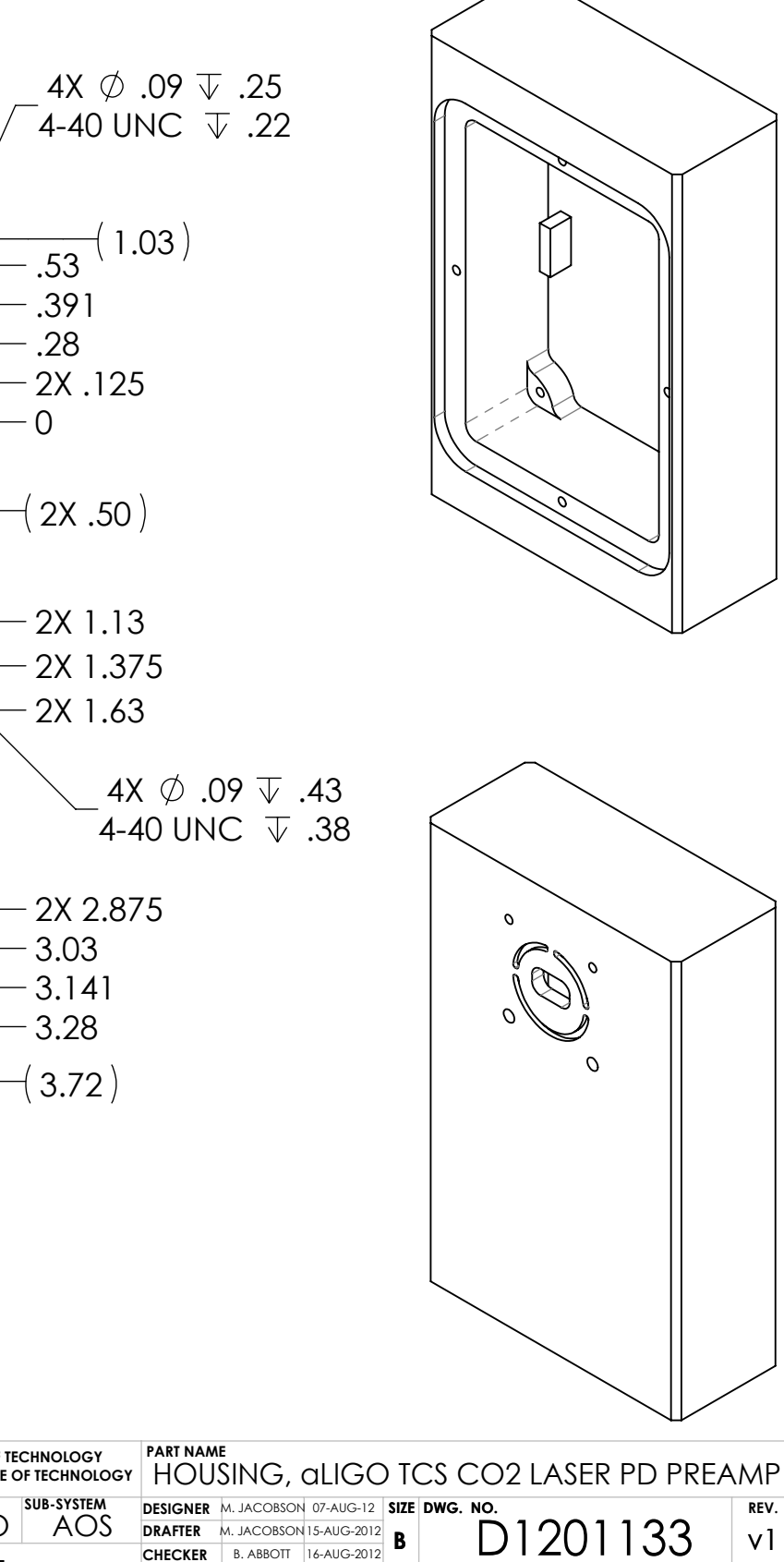
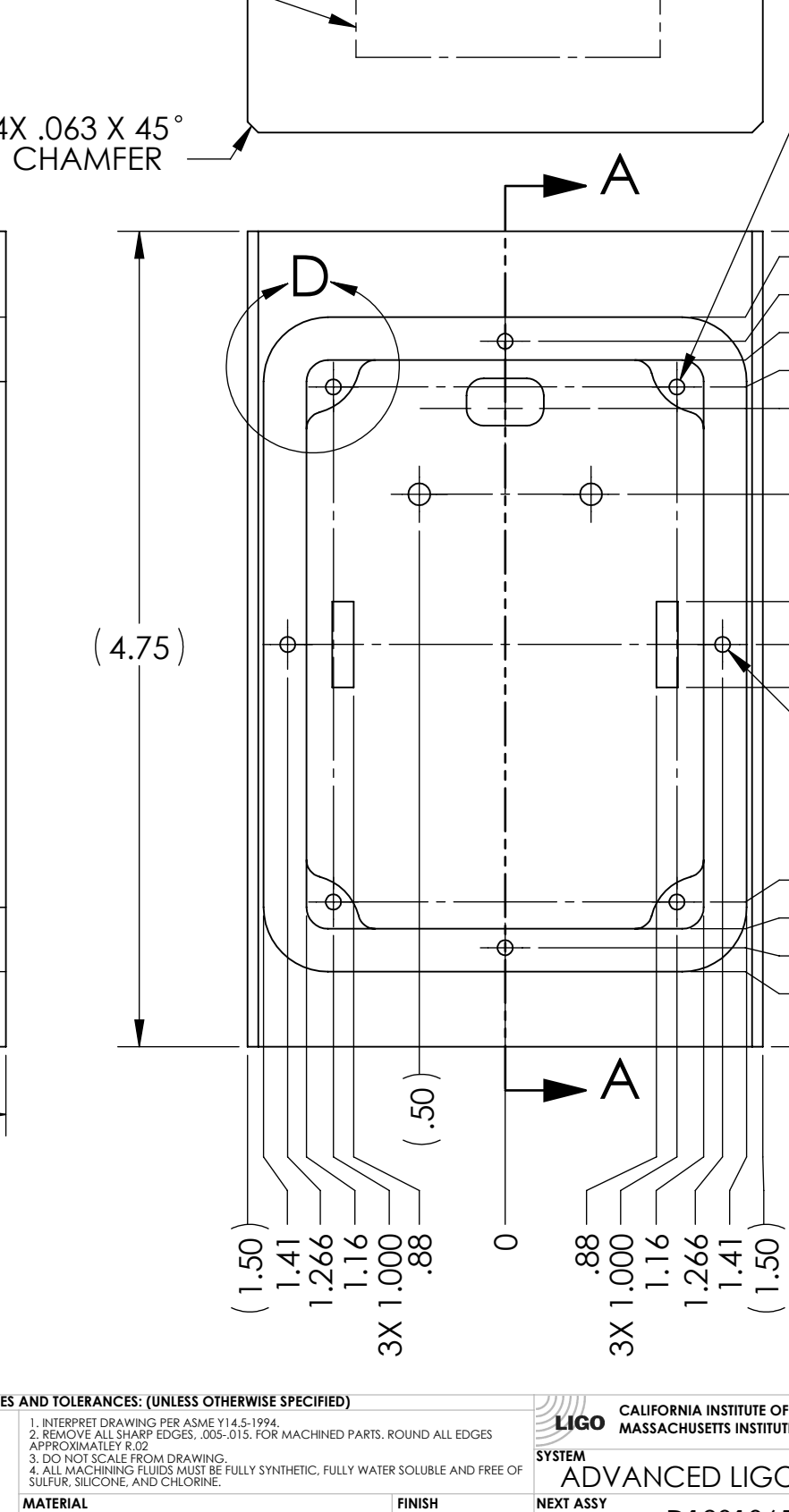
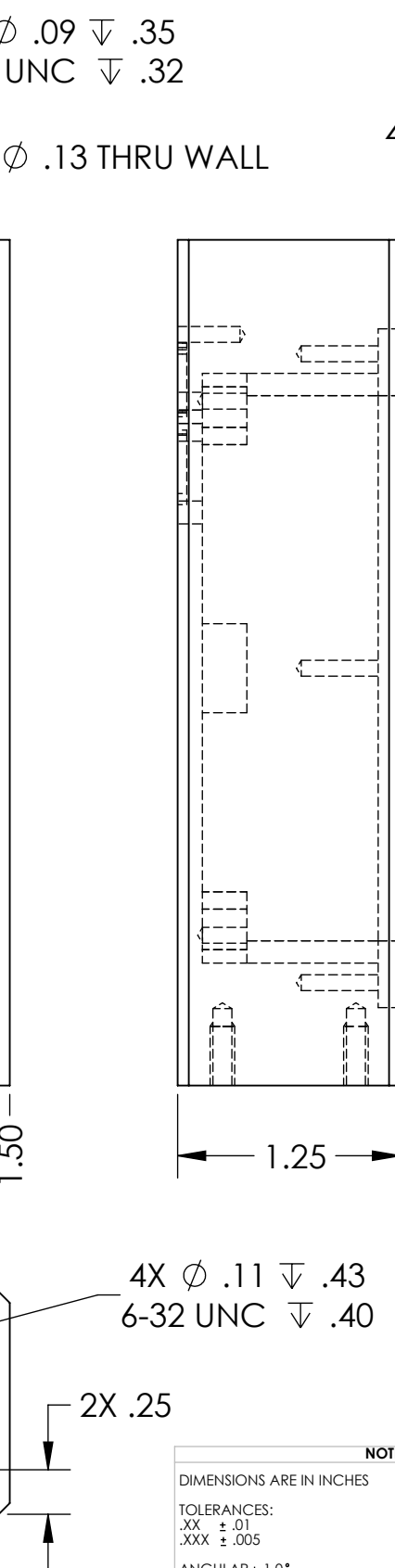
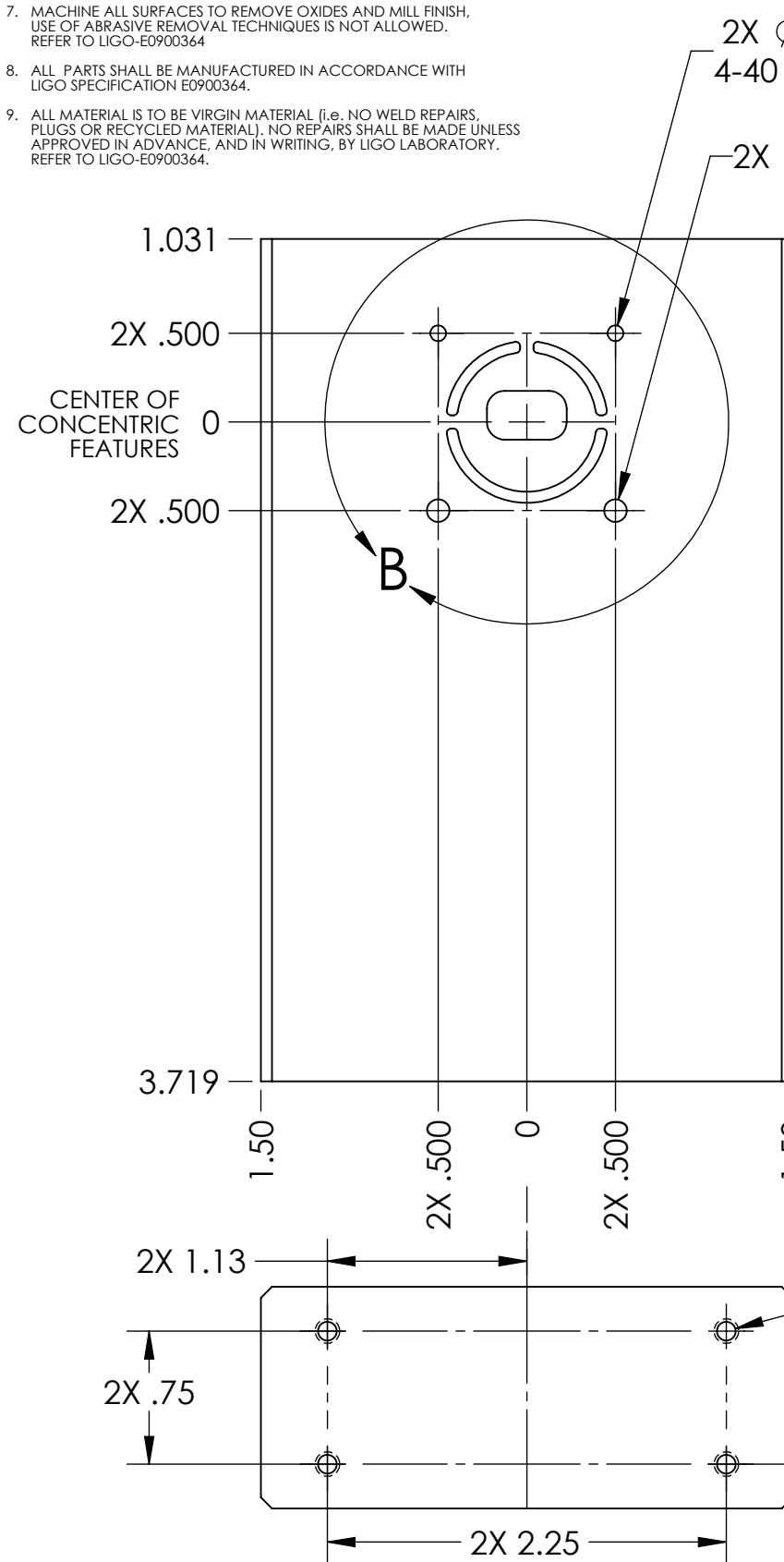


D1201133_HOUSING, αLIGO TCS CO2 LASER PD PREAMP, PART PDM REV: X-013, DRAWING PDM REV: X-012

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. APPROXIMATE WEIGHT = 0.827 LB
 7. MACHINE ALL SURFACES TO REMOVE OXIDES AND MILL FINISH. USE OF ABRASIVE REMOVAL TECHNIQUES IS NOT ALLOWED. REFER TO LIGO-E0900364.
 8. ALL PARTS SHALL BE MANUFACTURED IN ACCORDANCE WITH LIGO SPECIFICATION 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.

REV.	DATE	DCN #	DRAWING TREE #
v1	17-AUG-2012	-	-
-	-	-	-
-	-	-	-



NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)

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, .005-.015, FOR MACHINED PARTS. ROUND ALL EDGES APPROXIMATELY R.02
 3. DO NOT SCALE FROM DRAWING.
 4. ALL MACHINING FLUIDS MUST BE FULLY SYNTHETIC, FULLY WATER SOLUBLE AND FREE OF SULFUR, SILICONE, AND CHLORINE.

MATERIAL 6061 Alloy **FINISH** 63 μinch

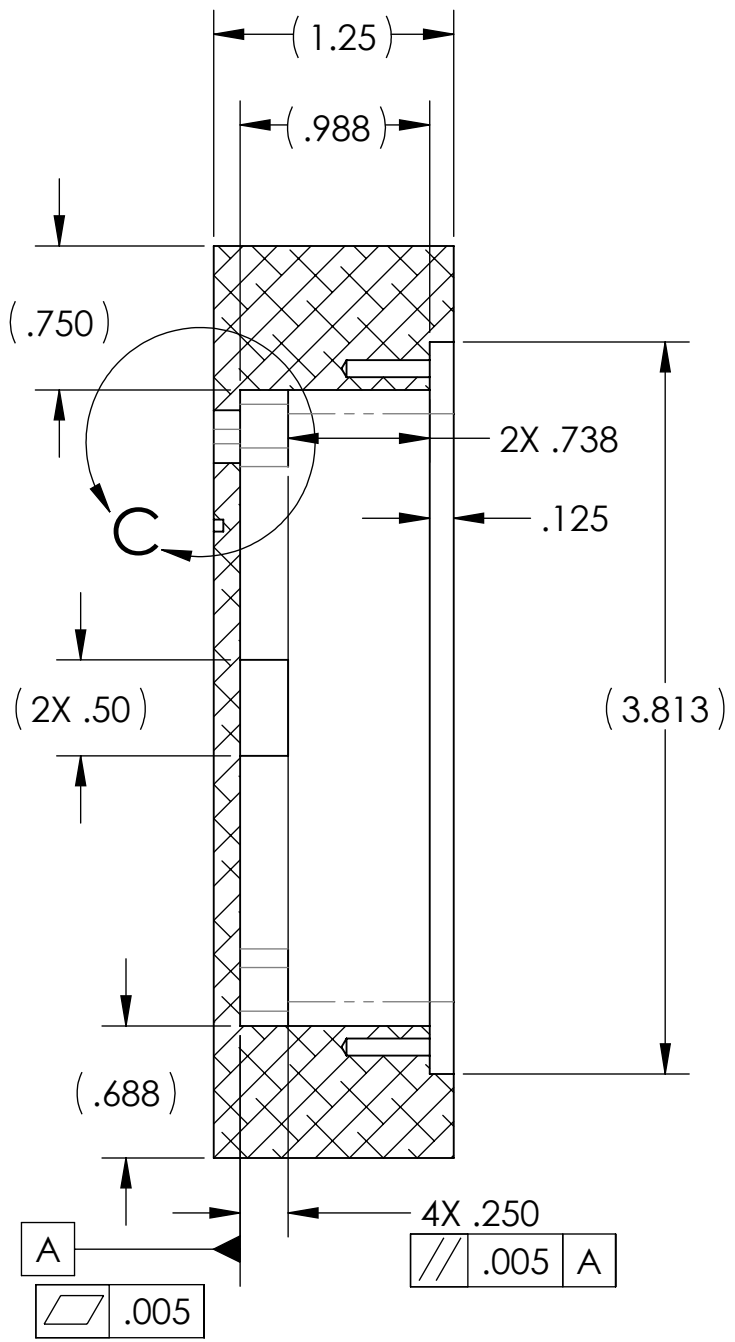
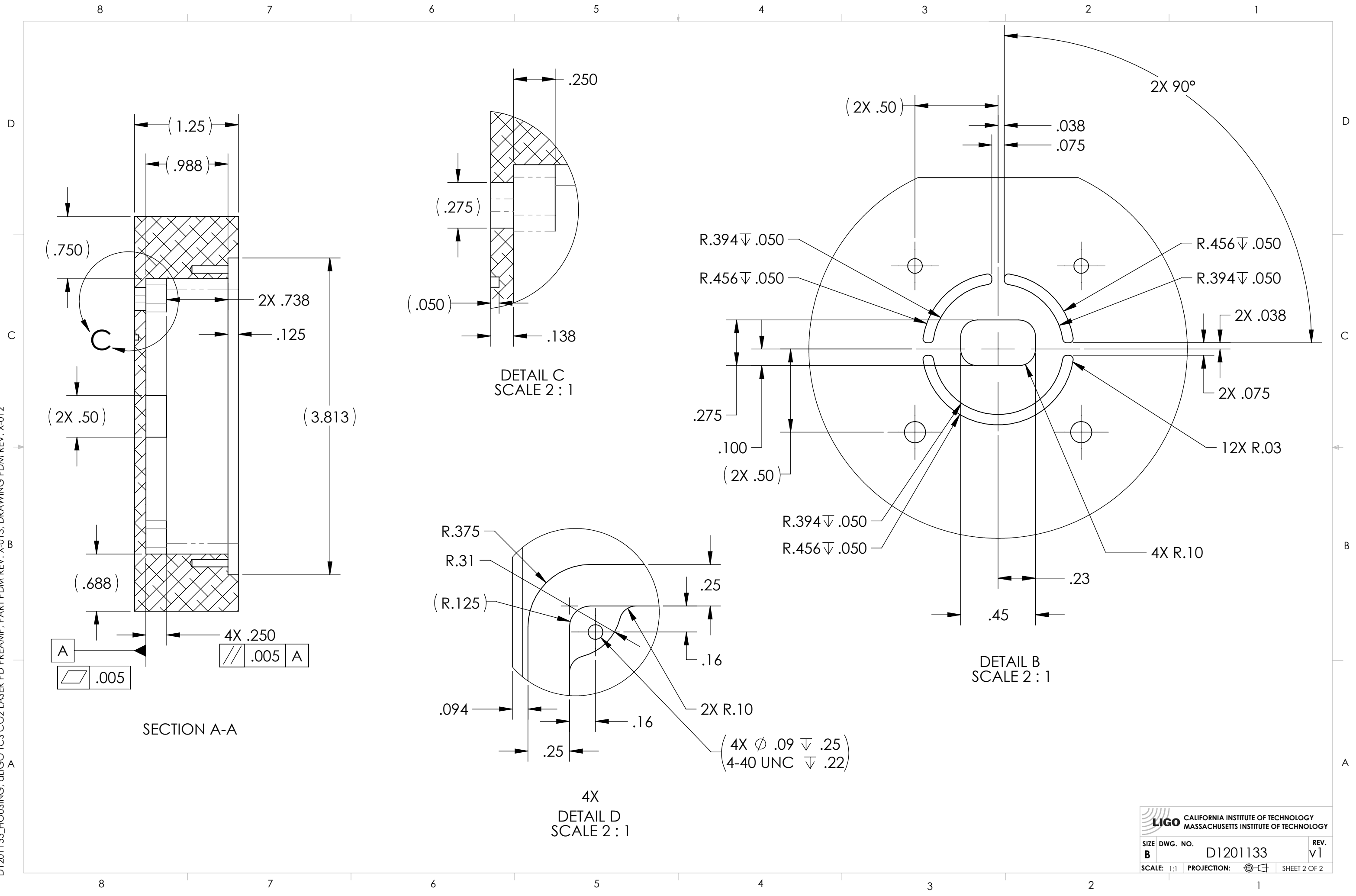
SYSTEM ADVANCED LIGO **SUB-SYSTEM** AOS **NEXT ASSY** D1201065

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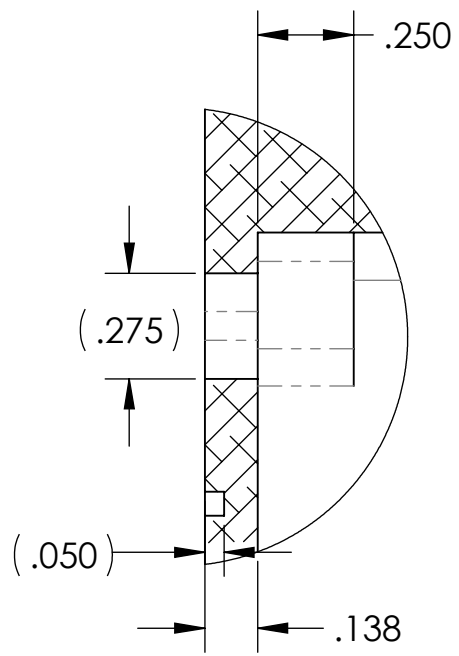
PART NAME HOUSING, αLIGO TCS CO2 LASER PD PREAMP

DESIGNER M. JACOBSON	07-AUG-12	SIZE DWG. NO.	D1201133	REV.
DRAFTER M. JACOBSON	15-AUG-2012	B		v1
CHECKER B. ABBOTT	16-AUG-2012	SCALE: 1:1		PROJECTION:
APPROVAL: HEPTONSTALLI	17-AUG-2012	SHEET 1 OF 2		

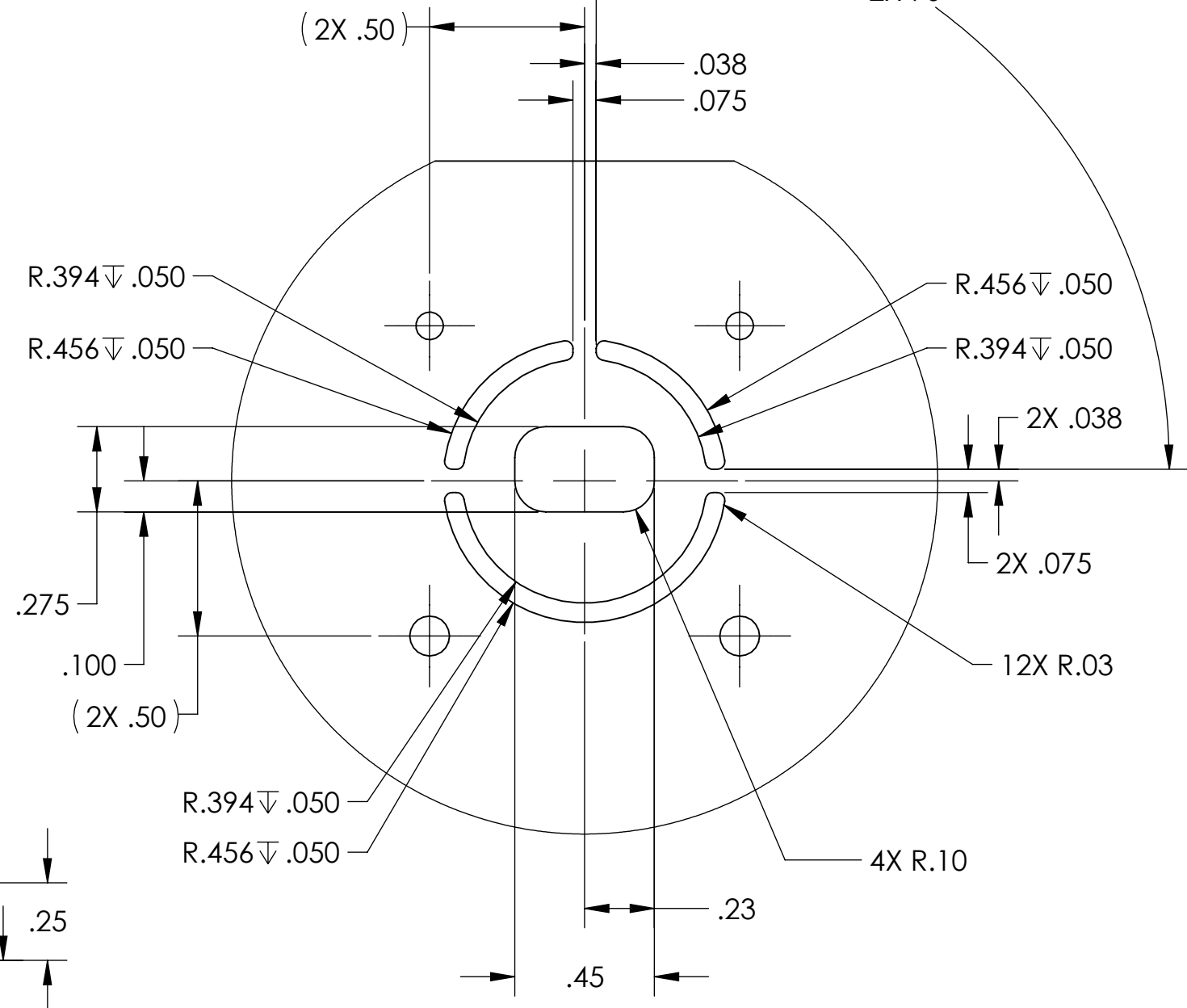
D1201133_HOUSING, dLIGO TCS CO2 LASER PD PREAMP, PART PDM REV: X-013, DRAWING PDM REV: X-012



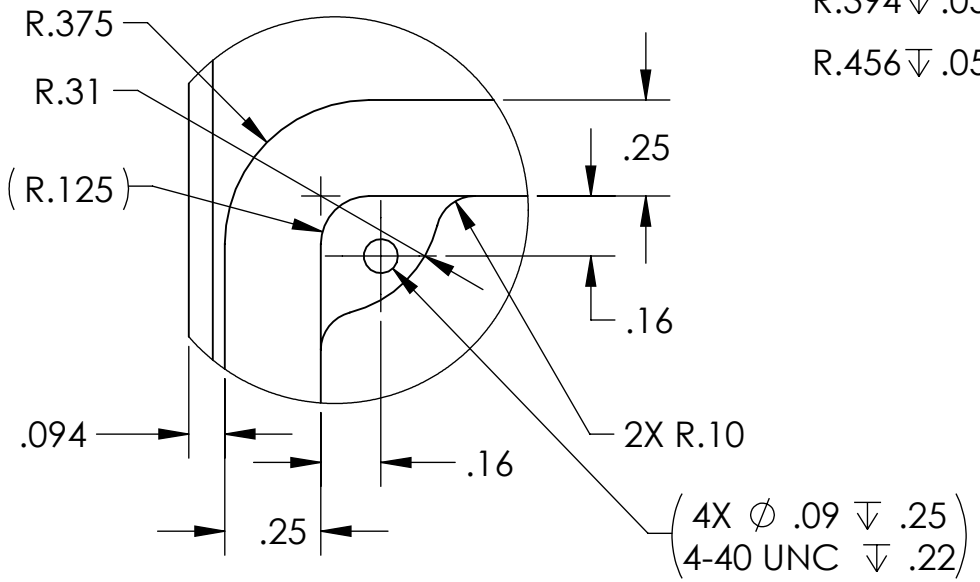
SECTION A-A



DETAIL C
SCALE 2:1



DETAIL B
SCALE 2:1



4X
DETAIL D
SCALE 2:1

LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY	
SIZE DWG. NO. B D1201133	REV. v1
SCALE: 1:1 PROJECTION:	SHEET 2 OF 2