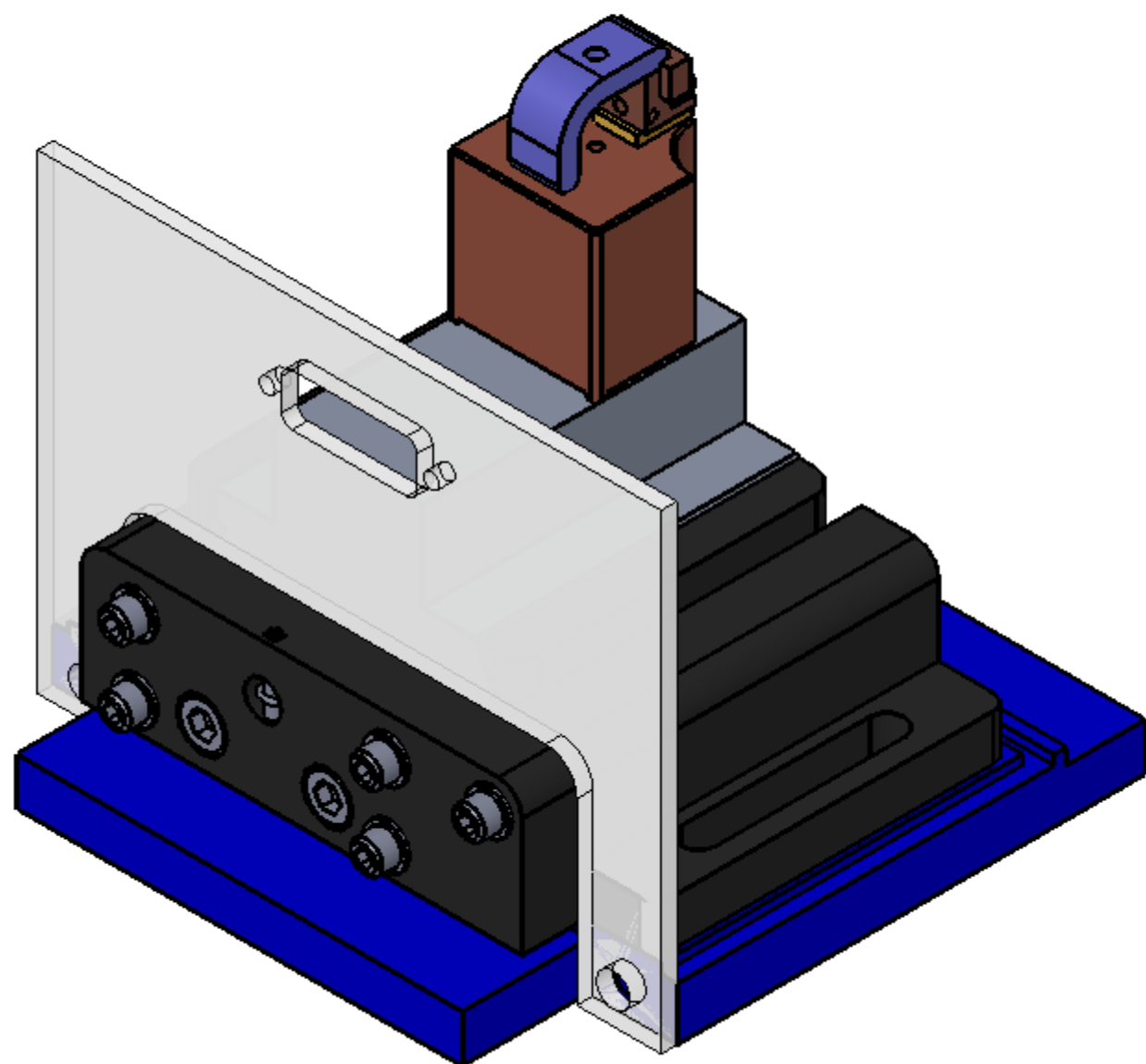
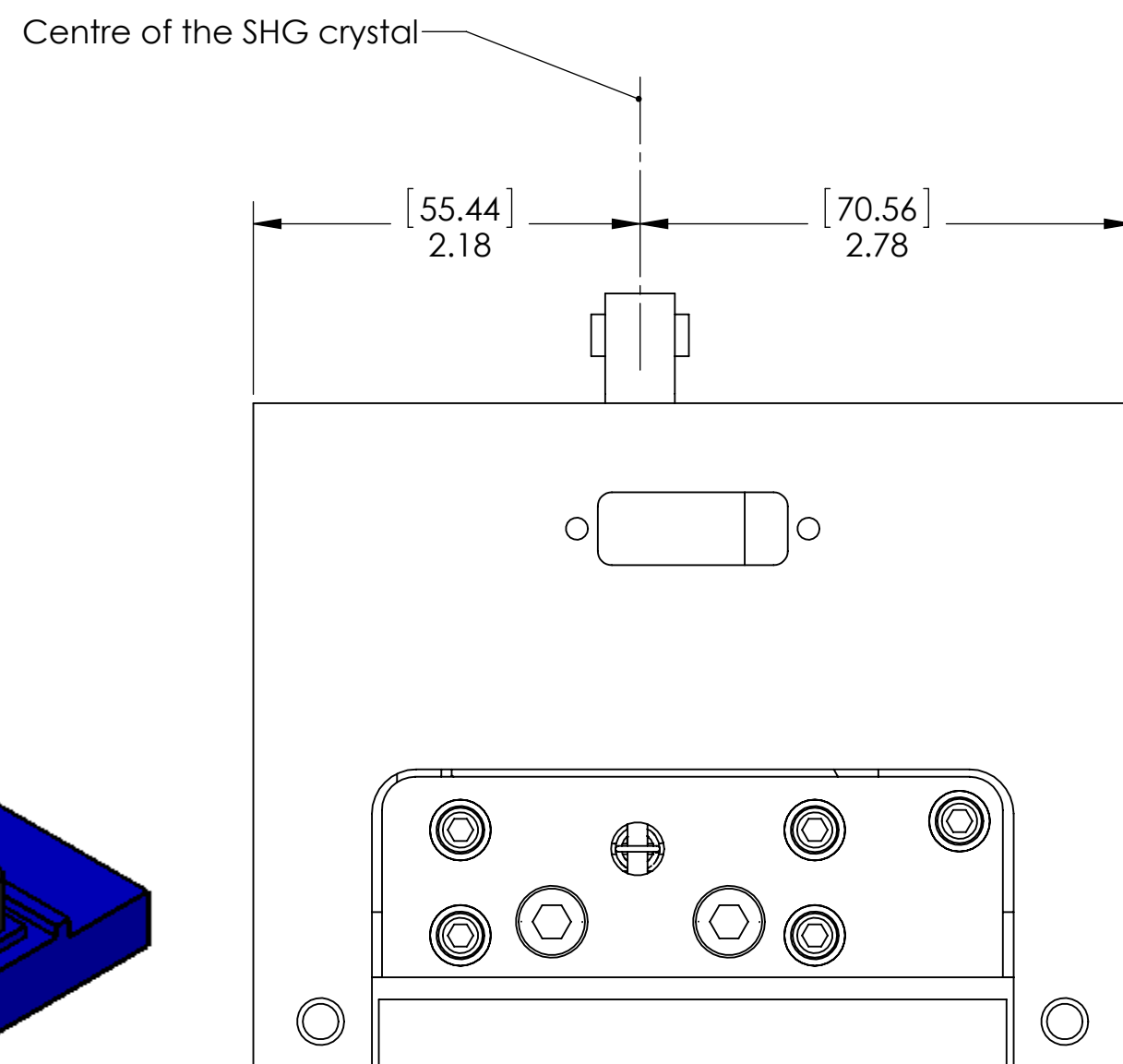
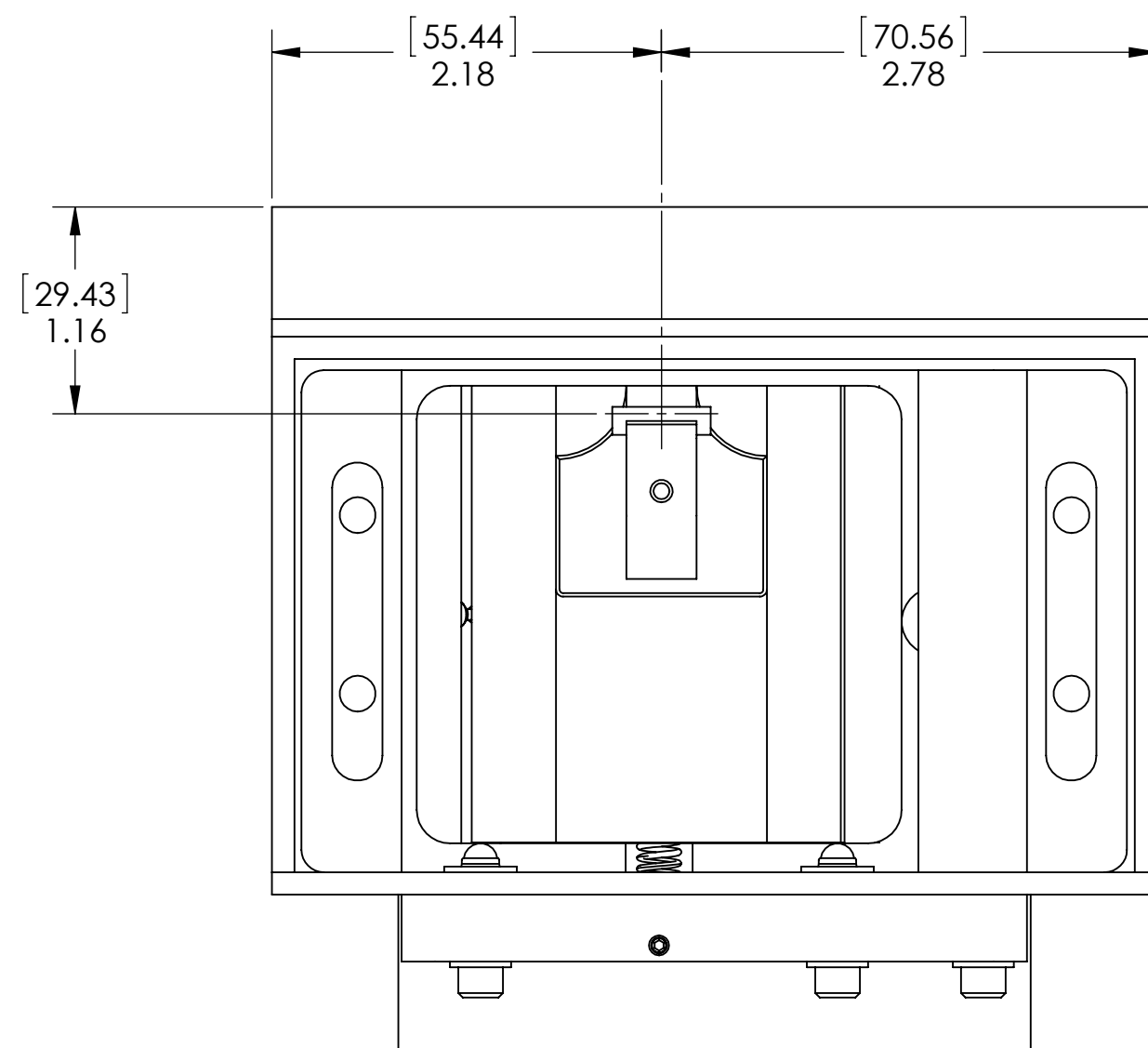


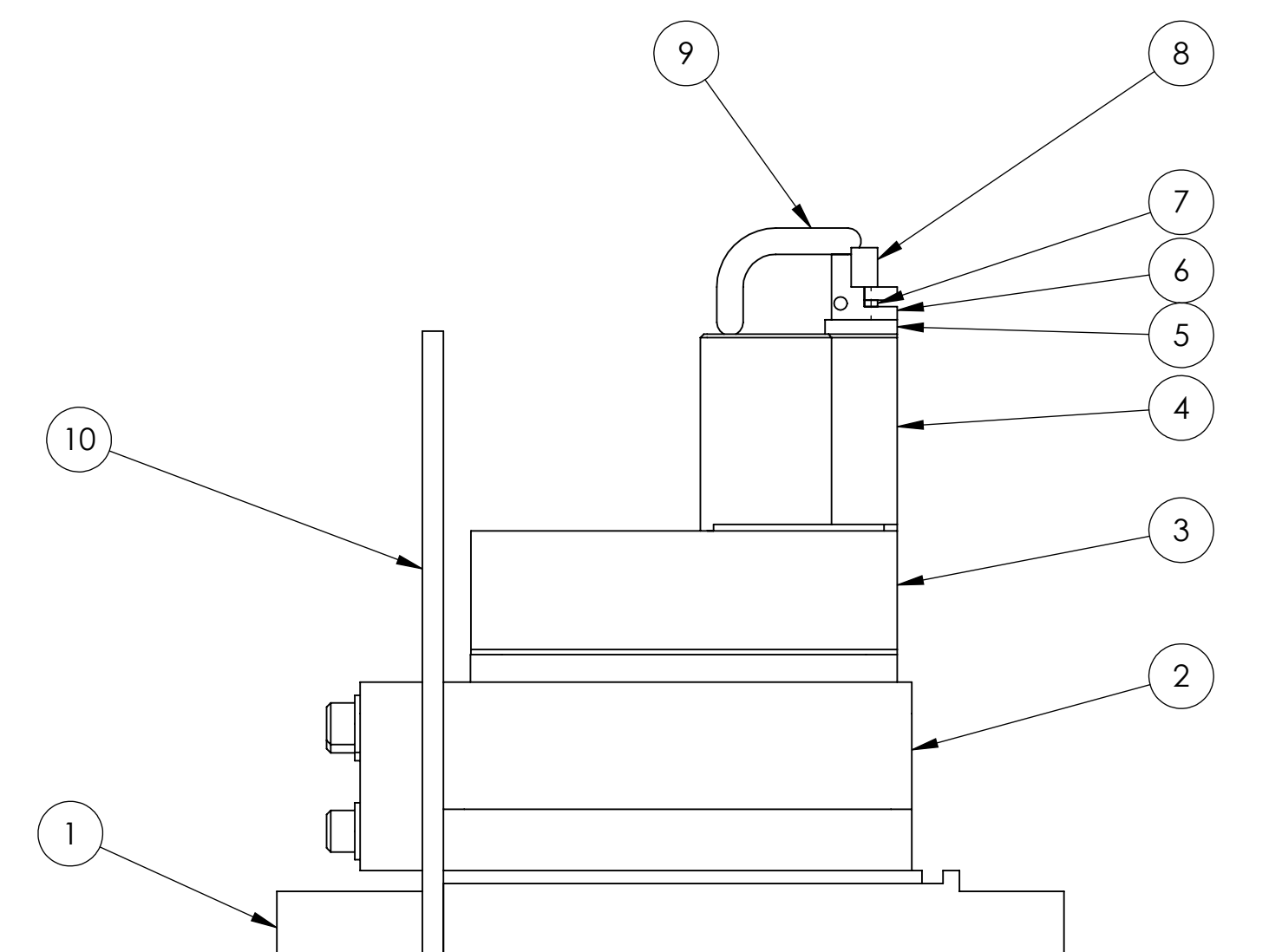
NOTES CONTINUED:

- 5. SCRIBE, ENGRAVE, 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. A VIBRATORY TOOL MAY BE USED. EXAMPLE: DXXXXXX-VY, TYPE-XX, S/N XXX
- 6. APPROXIMATE WEIGHT = X.XXX 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.
- 10. SURFACE FINISH TO BE AS-PROCESSED FROM MILL/SUPPLIER, FREE FROM SCRATCHES OR GOUGES.



REV.	DATE	DCN #	DRAWING TREE #
-	-	-	-
-	-	-	-
-	-	-	-

ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	REQ	SPARE	TOTAL
10	D1201453	Single Oven Connector Interface	Perspex (TM) GS Acrylic Cast Sheet	1		1
9	D1500099	OPO Peltier Clamp	5082 Al	1		1
8	D1500096	Crystal Holder Clamp	Copper	1		1
7		SHG Crystal - 2mm x 1mm x 10mm	BK7 GLASS	1		1
6	D1500095	Crystal Holder Base	Copper	1		1
5		Peltier - HOT20-31-F2A-0909	Material <not specified>	1		1
4	D1500094	Copper Sink Base	Copper	1		1
3	D1500097	Single Oven SHG Footing	Chrome Stainless Steel	1		1
2		5-axis Translatio nstage - New Focus 9082	Material <not specified>	1		1
1	D1201452	Single Oven Riser Plate	6061-T6 Al	1		1
PARTS LIST						



NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)

DIMENSIONS ARE IN INCHES [MM]

TOLERANCES:  
 .XX ± .05  
 .XXX ± .005

ANGULAR ± 0.5°

- 1. INTERPRET DRAWING PER ASME Y14.5-1994.
- 2. REMOVE ALL SHARP EDGES, .005-.015. FOR MACHINED PARTS. ROUND ALL EDGES APPROXIMATELY R.02 FOR SHEET METAL PARTS.
- 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

N/A

FINISH

N/A μinch



THE AUSTRALIAN NATIONAL UNIVERSITY  
 Centre for Gravitational Physics

SYSTEM

ADVANCED LIGO

SUB-SYSTEM

ISC

NEXT ASSY

PART NAME

Single SHG Oven Assembly

DESIGNER B Slagmolen

DRAFTER BJJ Slagmolen

CHECKER

APPROVAL

SIZE DWG. NO.

C

D1500098

SCALE: 1:1

PROJECTION:



SHEET 1 OF 1

REV.

v1