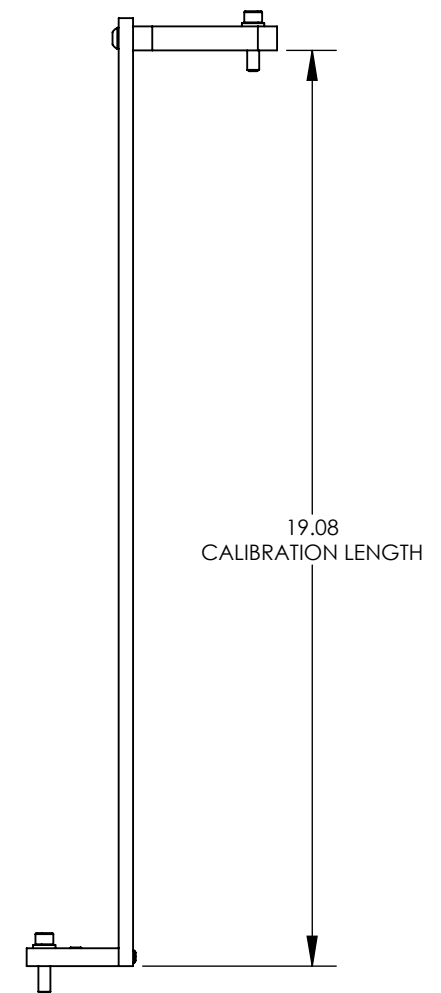
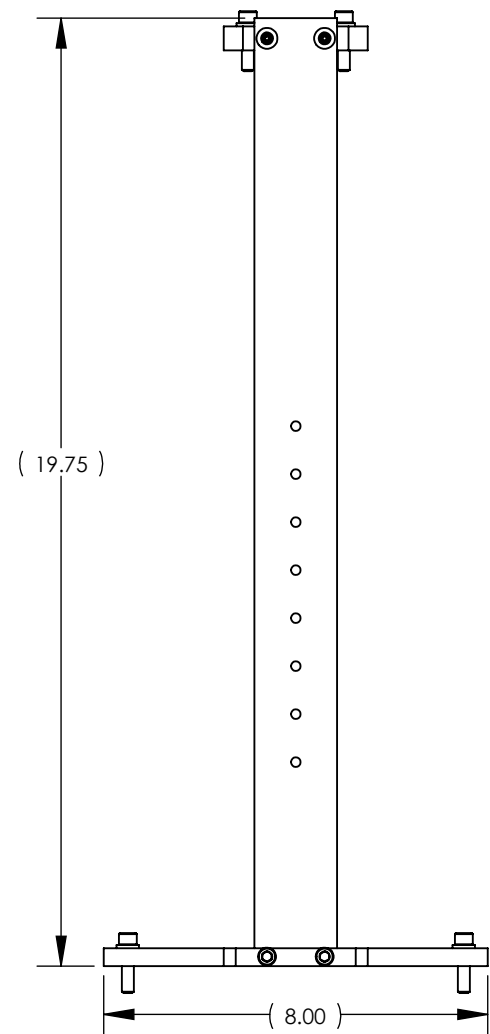
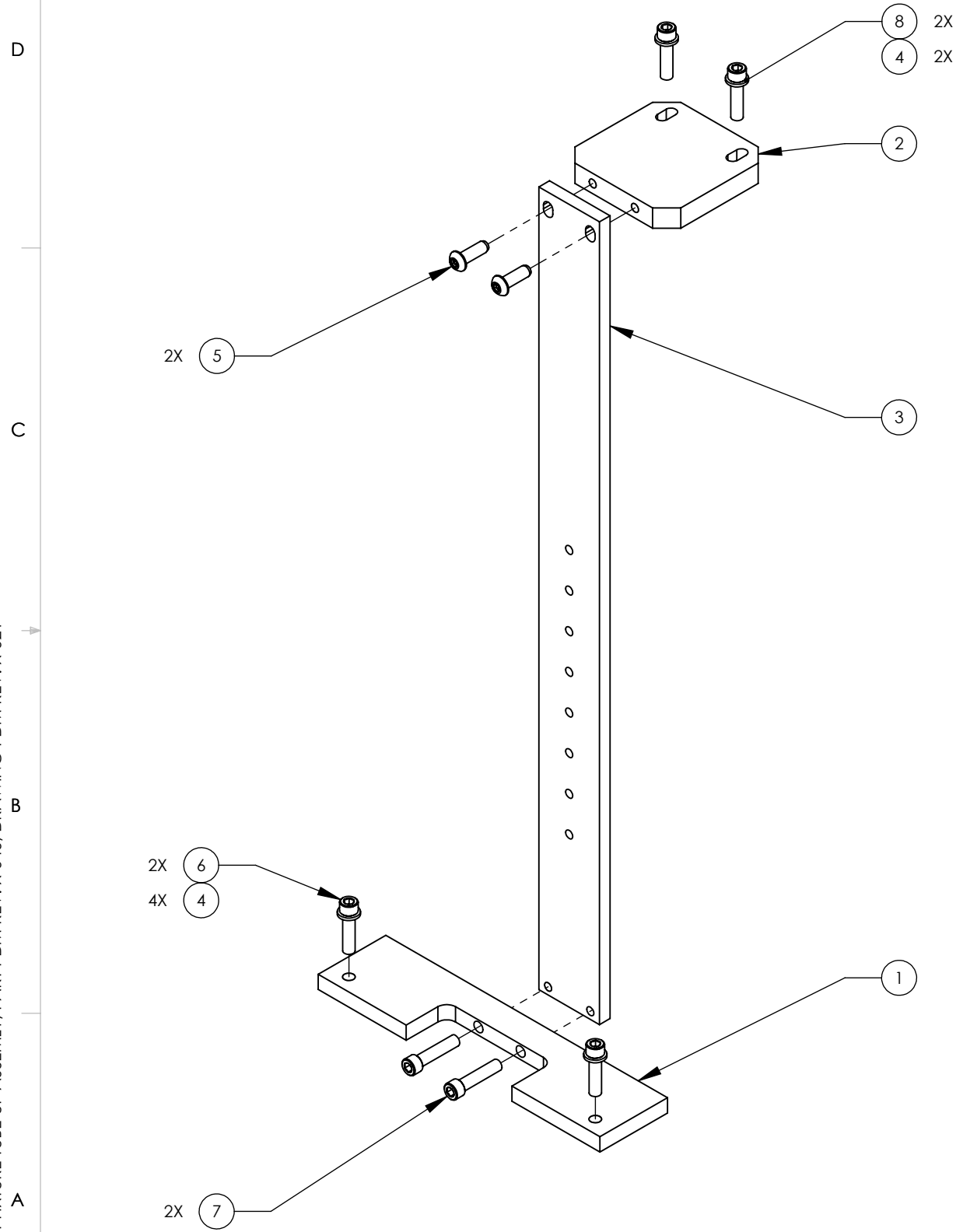


D1101288 ALIGNMENT FIXTURE TUBE UP ASSEMBLY, PART PDM REV: X-040, DRAWING PDM REV: X-021

NOTES CONTINUED:

REV.	DATE	DCN #	DRAWING TREE #
v1	11 JUL 2011	E1100335	-
v2	17 Aug 2011	-	-
v3	17 APR 2012	E1100335	-
v4	29 NOV 2012		



ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	REQ	SPARE	TOTAL
8	C-2016-N	SOCKET HEAD CAP SCREW, SHC, 1/4-20 x 1" L	18-8 SSTL	2		2
7	C-2018-N	SOCKET HEAD CAP SCREW, SHC, 1/4-20 x 1.125" L	18-8 SSTL	2		2
6	C-2016-NA	SOCKET HEAD CAP SCREW, SHC, 1/4-20 x 1" L	Ag-PLATED 300 SSTL	2		2
5	BU-2012-N	BUTTON HEAD SOCKET HEAD CAP SCREW, 1/4-20 x 3/4" L	18-8 SSTL	2		2
4	98019A355	WASHER, FLAT, 1/4 (NAS 620-C416 OR EQUIVALENT)	300 SSTL	4		4
3	D1101404	STIFFENER, TUBE UP	6061-T6 Al	1		1
2	D1101290	BRACE, TUBE UP	6061-T6 Al	1		1
1	D1101289	SUPPORT, TUBE UP	6061-T6 Al	1		1

PARTS LIST

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)

DIMENSIONS ARE IN
TOLERANCES:
.XX ±
.XXX ±
ANGULAR ± °

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

LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

ADVANCED LIGO **AOS**

PART NAME ALIGNMENT FIXTURE, TUBE UP ASSEMBLY

DESIGNER MRUIZ 11 JUL 2011 **SIZE** **DWG. NO.** **D1101288** **REV.** v4
DRAFTER MRUIZ 11 JUL 2011 **B**
CHECKER L. AUSTIN
APPROVAL M. SMITH **SCALE:** 1:3 **PROJECTION:** **SHEET 1 OF 1**

8 7 6 5 4 3 2 1