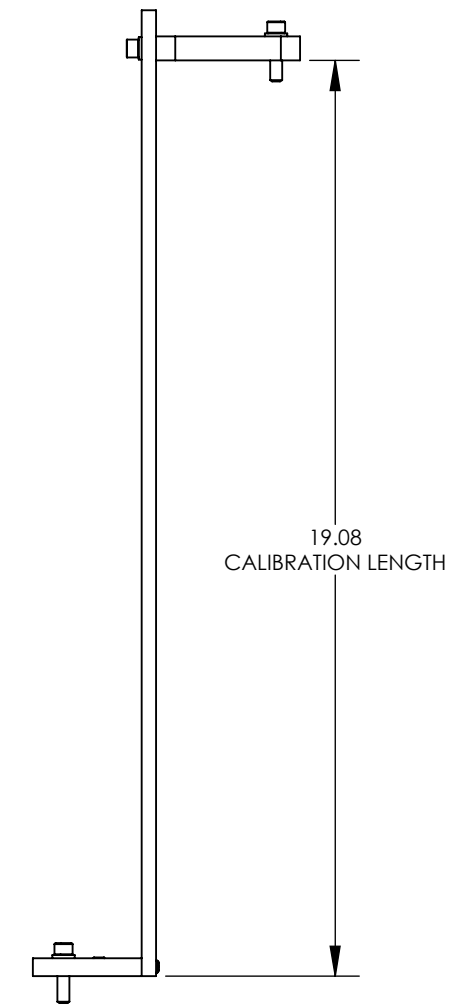
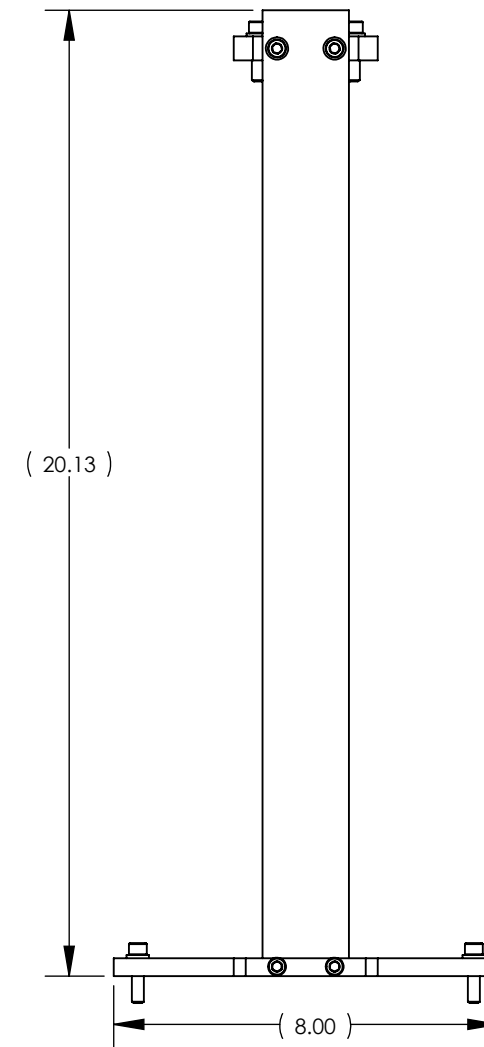
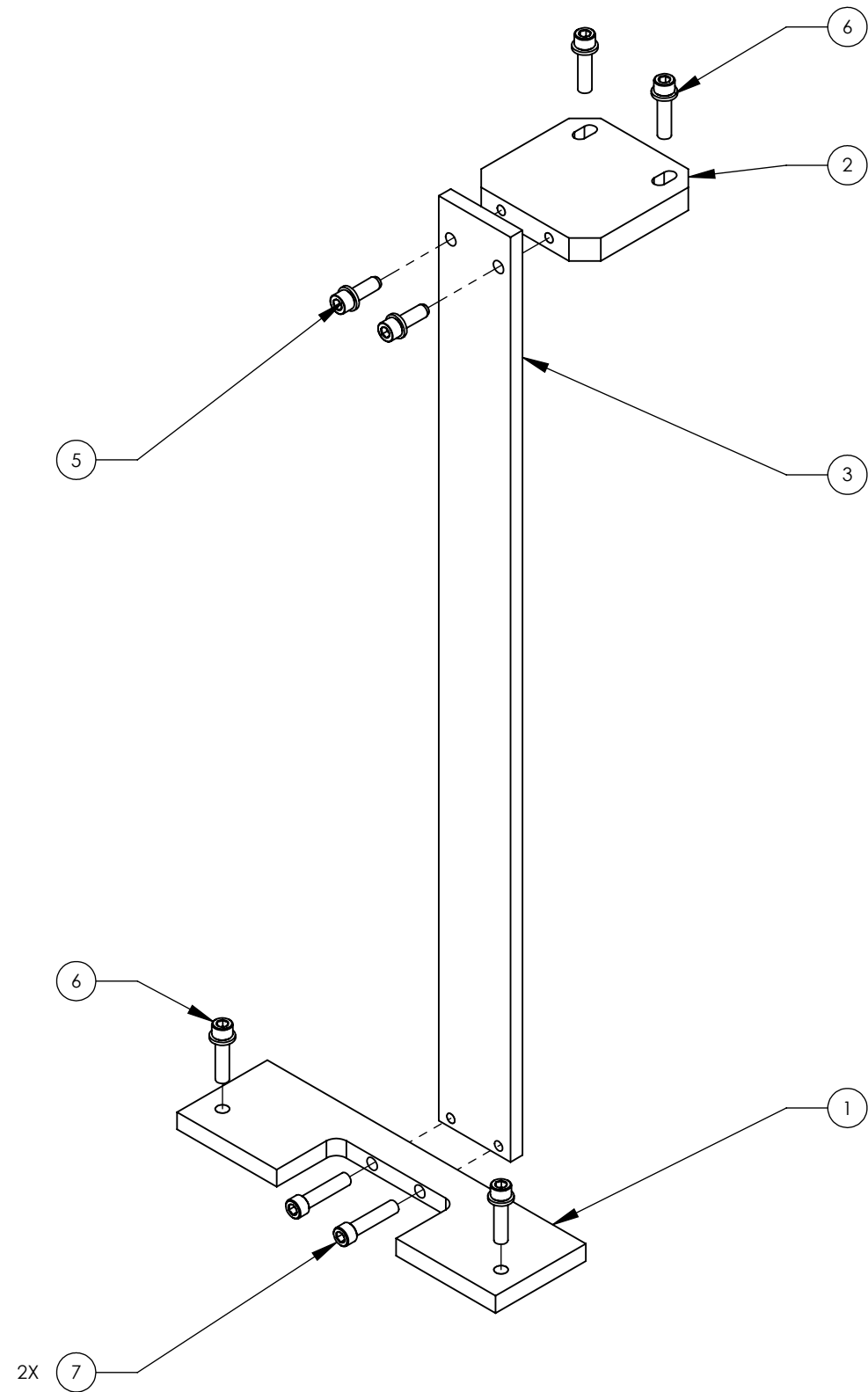


D1101288 ALIGNMENT FIXTURE TUBE UP ASSEMBLY, PART PDM REV: X-016, DRAWING PDM REV: X-015

NOTES CONTINUED:

REV.	DATE	DCN #	DRAWING TREE #
v1	11 JUL 2011	E1100335	-
v2	17 Aug 2011	PRELIMINARY	-
v3	17 APR 2012	E1100335-v5	-



ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	REQ	SPARE	TOTAL
7	C-2018-N	SOCKET HEAD CAP SCREW, SHC, 1/4-20 x 1.125" L	18-8 SSSL	2		2
6	C-2016-NA	SOCKET HEAD CAP SCREW, SHC, 1/4-20 x 1" L	Ag-PLATED 300 SSSL	4		4
5	C-2012-N	1/4-20 X 0.75" SHCS	18-8 SSSL	2		2
4	98019A355	WASHER, FLAT, 1/4 (NAS 620-C416 OR EQUIVALENT)	300 SSSL	6		6
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)	
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.	
DIMENSIONS ARE IN	
TOLERANCES:	
.XX ±	
.XXX ±	
ANGULAR ± °	
MATERIAL	N/A
FINISH	N/A μinch

CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		PART NAME ALIGNMENT FIXTURE, TUBE UP ASSEMBLY	
SYSTEM	ADVANCED LIGO	SUB-SYSTEM	AOS
DESIGNER	MRUIZ	11 JUL 2011	SIZE DWG. NO.
DRAFTER	MRUIZ	11 JUL 2011	B
CHECKER	L. AUSTIN		D1101288
APPROVAL	M. SMITH		REV. v3
SCALE: 1:3		PROJECTION:	
		SHEET 1 OF 1	