

D0902778 GS-13 Pod-Horizontal - aLIGO BSC-ISI, PART PDM REV: X-026, DRAWING PDM REV: X-012

NOTES CONTINUED:

- 5. VENDOR REFERENCES ARE PROVIDED AS EXAMPLES OF PARTS ALL REQUIRED SPECIFICATIONS, EQUIVALENTS ARE ALWAYS ACCEPTABLE UNLESS OTHERWISE SPECIFIED.
- 6. REFER TO LIGO DOC E1000564 FOR DETAILED INSTRUCTION OF THE POD ASSEMBLY PROCEDURE, INSTRUCTIONS AND PROCEDURES MUST BE CAREFULLY FOLLOWED. REFER TO LIGO DOC E0900357 FOR THE INSTALLATION PROCEDURE OF THE POD ON THE BSC ISI.

△ ASSEMBLY TO BE ADJUSTED USING SHIMS IN TABLE 2 SELECT CLOSEST SHIM. MEASURE ASSEMBLY PRIOR INSTALLATION USING A CMM ARM AND SELECT APPROPRIATE SHIM THICKNESS.

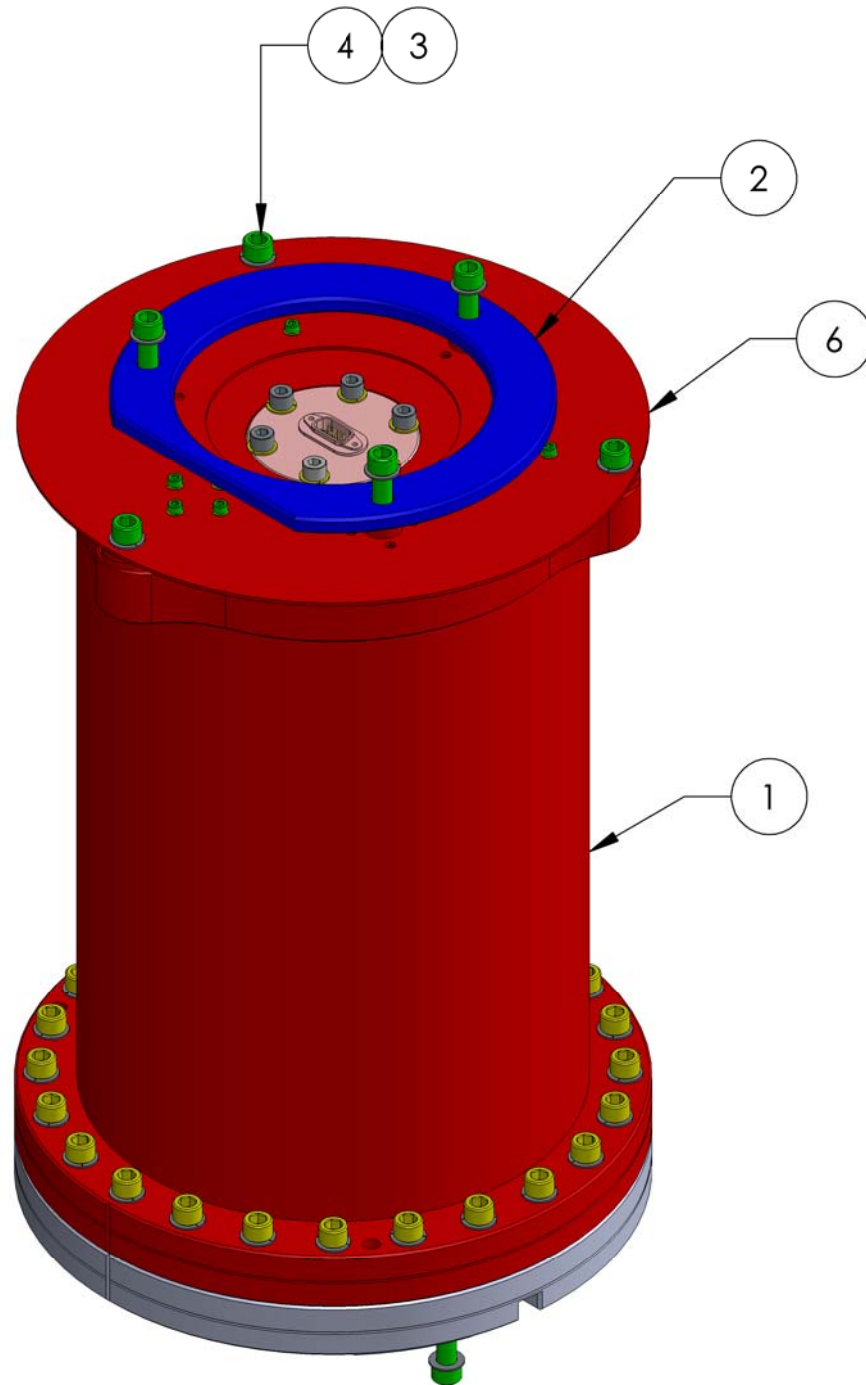


TABLE 2

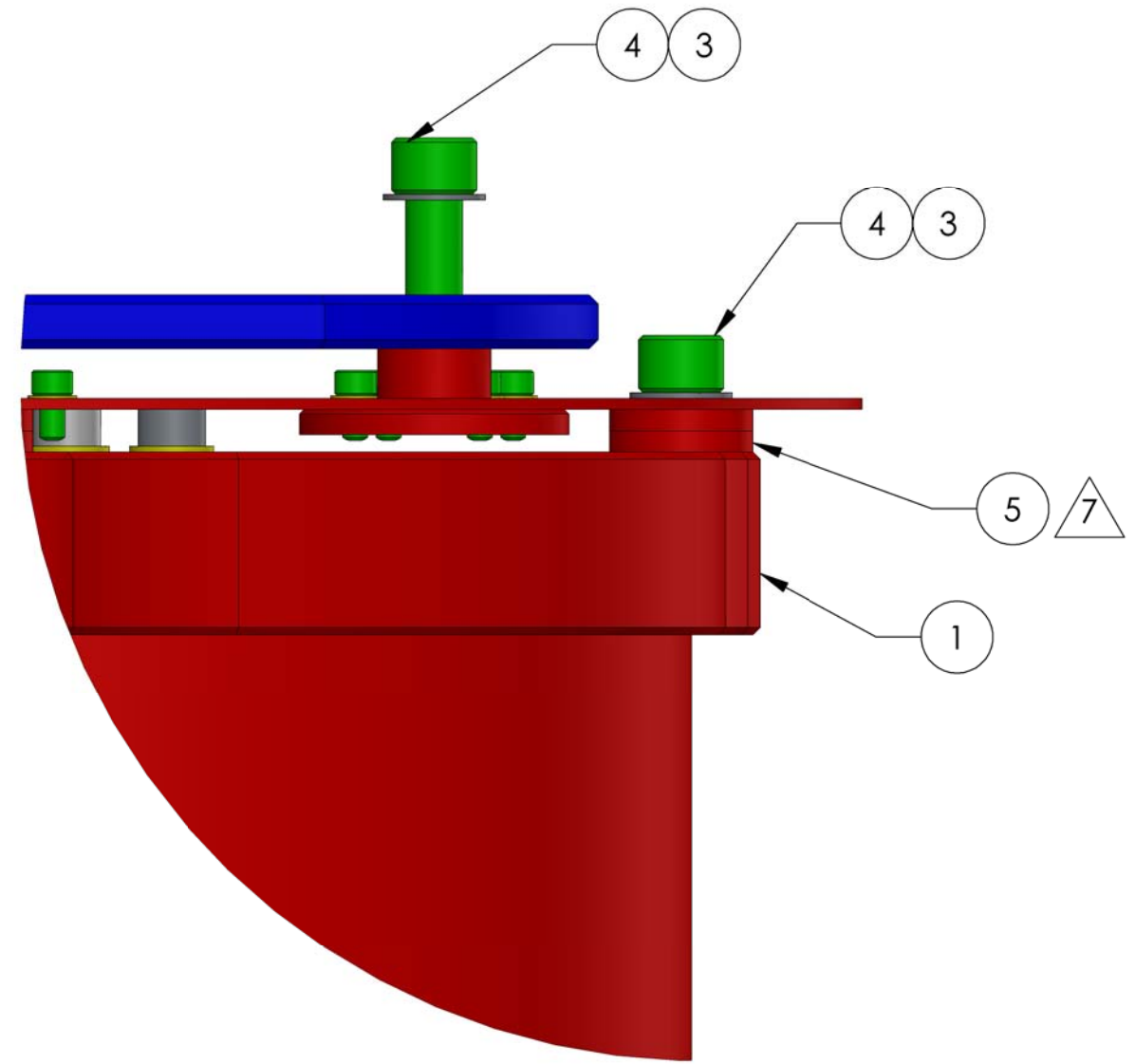
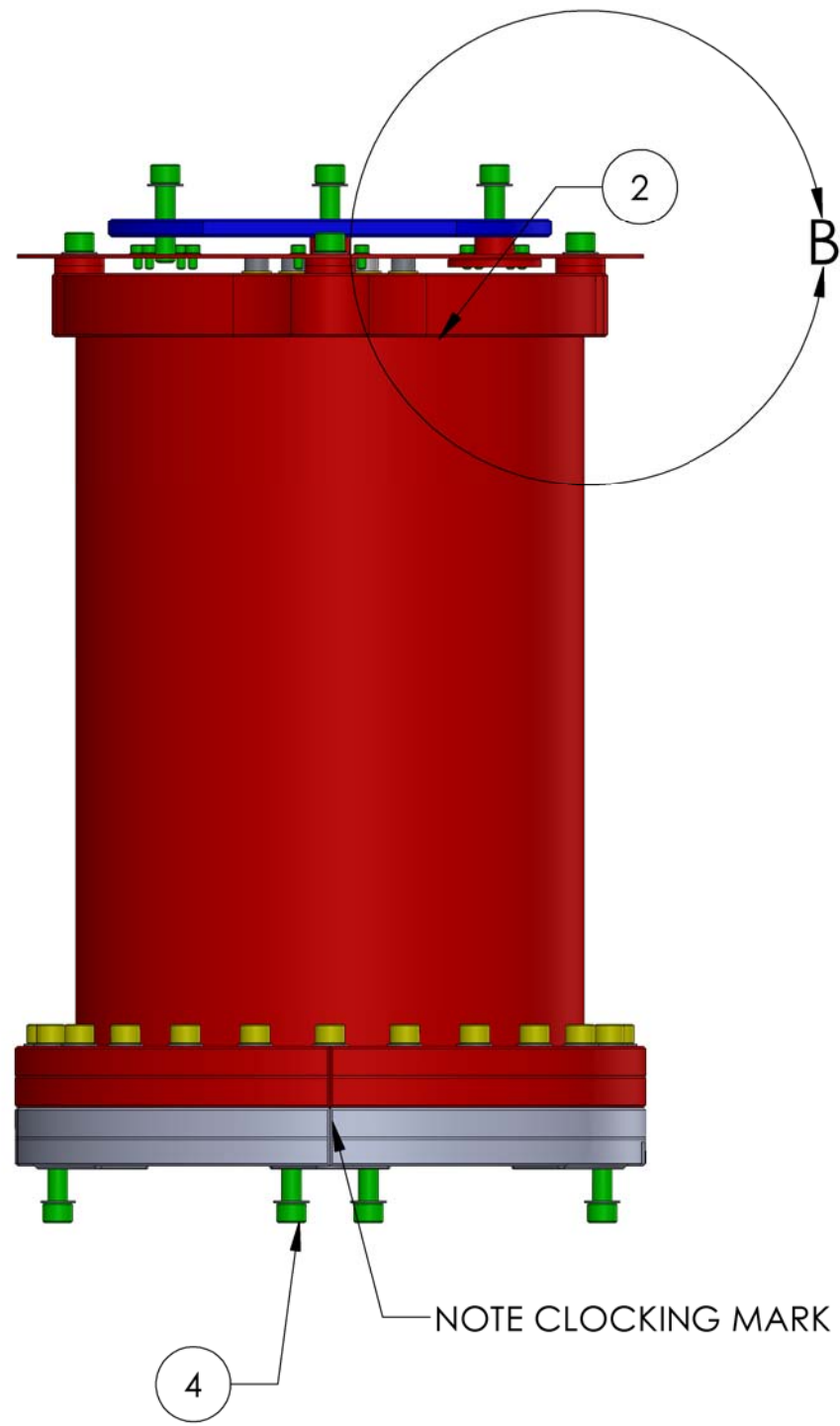
MISUMI P/N	Thickness	# of Shims Req per Pod Assembly
WASS20-10-2	2 mm (.079")	6
WASS20-10-3	3 mm (0.118") Nominal Thickness	6

REV.	DATE	DCN #	DRAWING TREE #
v1	5 FEB 2010	E0900444	E1000025
v2	21 May. 2010	E1000178	E1000025
v3	10 Aug. 2010	E1000302	E1000025
v4	24 Aug. 2010	E1000353	E1000025
v5	20 Jan 2011	E1100067	E1000025

6	D1100088	Gs13 Stabilizer and Custom Bolted Nuts	N/A	1
5	SEE TABLE 2	Washer 20mm OD x 10mm ID Thk precision washer	304 SSSL	6
4	U-C Components_C-3120-NA	Screw shcs 5/16-24 UNF-2A X 1.25" lg. Ag plated	Ag-PLATED 300 SSSL	10
3	UC_COMPONENTS_WFV-31	Washer Vented, .328 ID X .562 OD X .032 THK #5/16	18-8 SSSL	10
2	D0902583	Spacer, Horz GS-13 Stiffener, BSC ISI	6061-T6 Al	1
1	D0900857	GS-13 Pod Assembly	N/A	1
ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	REQ

DIMENSIONS ARE IN INCHES		NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)		<b>CALIFORNIA INSTITUTE OF TECHNOLOGY</b> <b>MASSACHUSETTS INSTITUTE OF TECHNOLOGY</b>		PART NAME	
TOLERANCES: .XX ± N/A .XXX ± N/A		1. INTERPRET DRAWING PER ASME Y14.5-1994. 2. REMOVE ALL SHARP EDGES, R.02 MIN. 3. DO NOT SCALE FROM DRAWING. 4. ALL MACHINING FLUIDS MUST BE FULLY SYNTHETIC, FULLY WATER SOLUBLE AND FREE OF SULFUR, SILICONE, AND CHLORINE.		SYSTEM		SUB-SYSTEM	
ANGULAR ± N/A*		MATERIAL		NEXT ASSY		DESIGNER	
N/A		FINISH N/A μinch		D0901182		<b>GS-13 Pod - Horizontal - BSC</b> S.BARNUM 5 FEB 2010 S.BISCANS 20 Jan 2011 F.MATICHARD 20 Jan 2011 K.MASON 20 Jan 2011	
				<b>ADVANCED LIGO</b>		<b>SEI</b>	
				DWG. NO. <b>D0902778</b>		REV. <b>v5</b>	
				SCALE: 1:3		SHEET 1 OF 2	

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DETAIL B  
SCALE 1 : 1

<b>LIGO</b> CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY	
SIZE <b>B</b>	DWG. NO. D0902778
SCALE: 1:3	PROJECTION:  SHEET 2 OF 2
REV. v5	