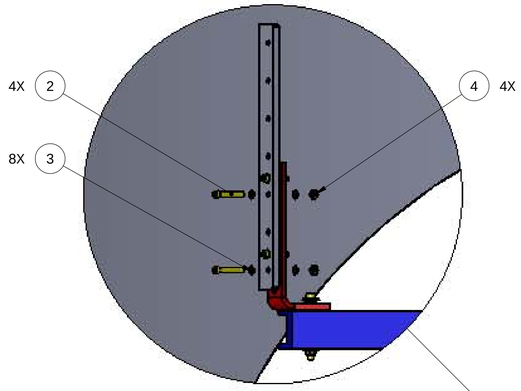
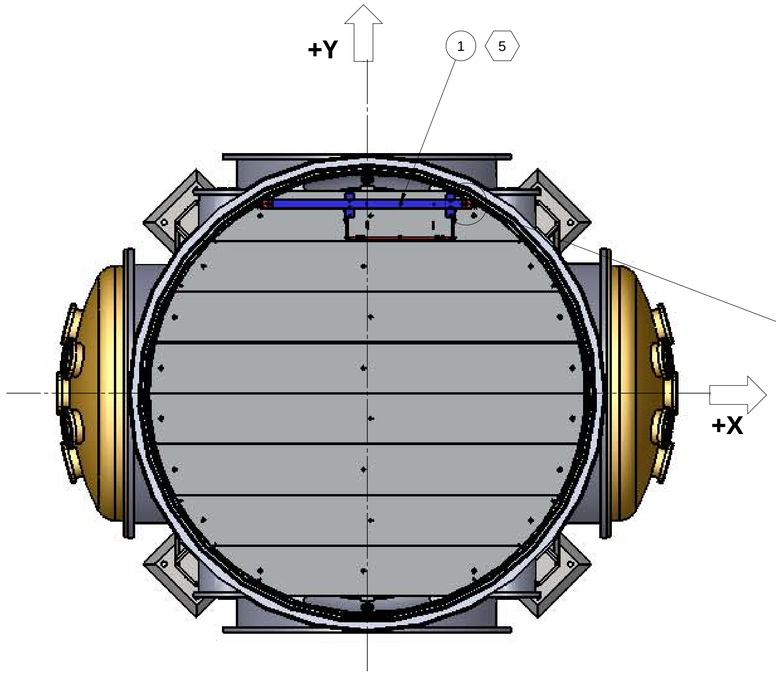
NOTES CONTINUED:

5 SEE DRAWING D1001781 FOR ASSEMBLY INTRUCTIONS FOR THE SEISMIC STOP STRUCTURE

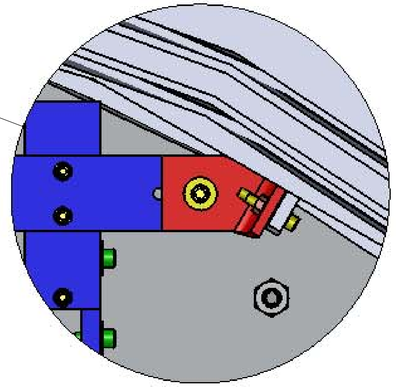
REV.	DATE	DCN #	DRAWING TREE #



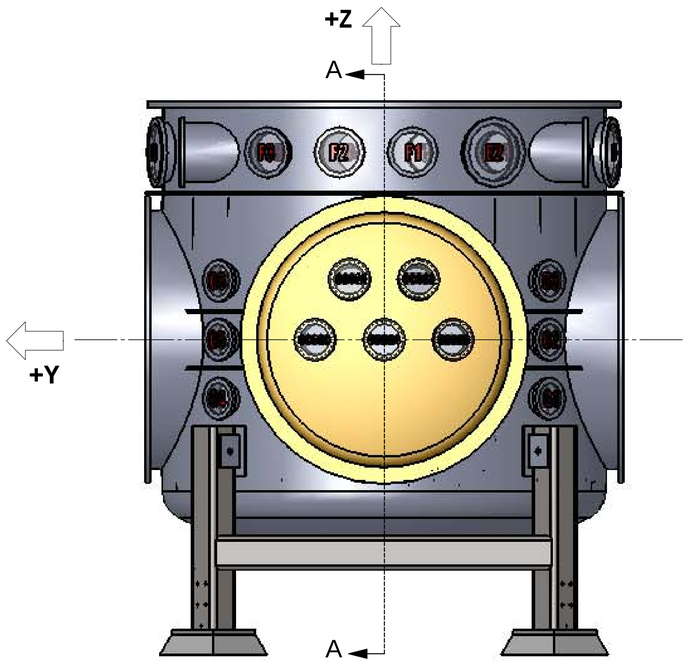
DETAIL "B"



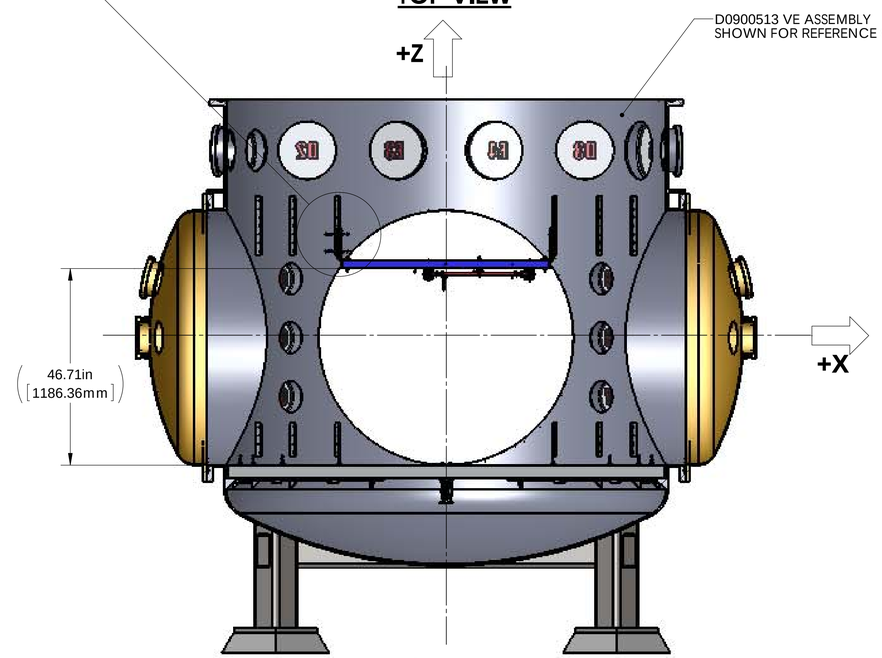
TOP VIEW



DETAIL "C"



RIGHT VIEW



FRONT VIEW
SECTION A-A

ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	Exploded View/QTY.	SPARE	TOTAL
4	D1101269	NICKEL-COPPER ALLOY 400 .250-20 HEX NUT, MODIFIED	NICKEL-COPPER ALLOY 400	4		0
3	.250 VENT FL WSHR	.255 ID, .468 OD, .032 TH	18-8 SSTL	8		0
2	-	SCREW, SOCKET HEAD CAP, 1/4-20 UNC-2A X 1.5 LONG	300 SSTL	4		0
5 1	D1001781-01	aLIGO TMS SEISMIC SAFETY STOP STRUCTURE, RIGHT	N/A	1		0

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 APPROXIMATLEY 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

SYSTEM | SUB-SYSTEM | NEXT ASSY

PART NAME: aLIGO BSC6-H2, XYZ Local CS for Seismic Stop Interface to TMS

DESIGNER			
DRAFTER	ED CHAVEZ	23 MAR 2012	
CHECKER	C. TORRIE		
APPROVAL			

SIZE: D | DWG. NO.: D1002541 | REV.: v1

SCALE: 1:96 | PROJECTION: | SHEET 1 OF 2

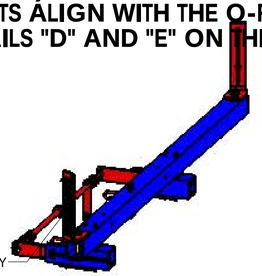
D1002541 aLIGO AOS XYZ Global CS for Seismic Stop Interface to TMS, PART PDM REV: X-071, DRAWING PDM REV: X-004

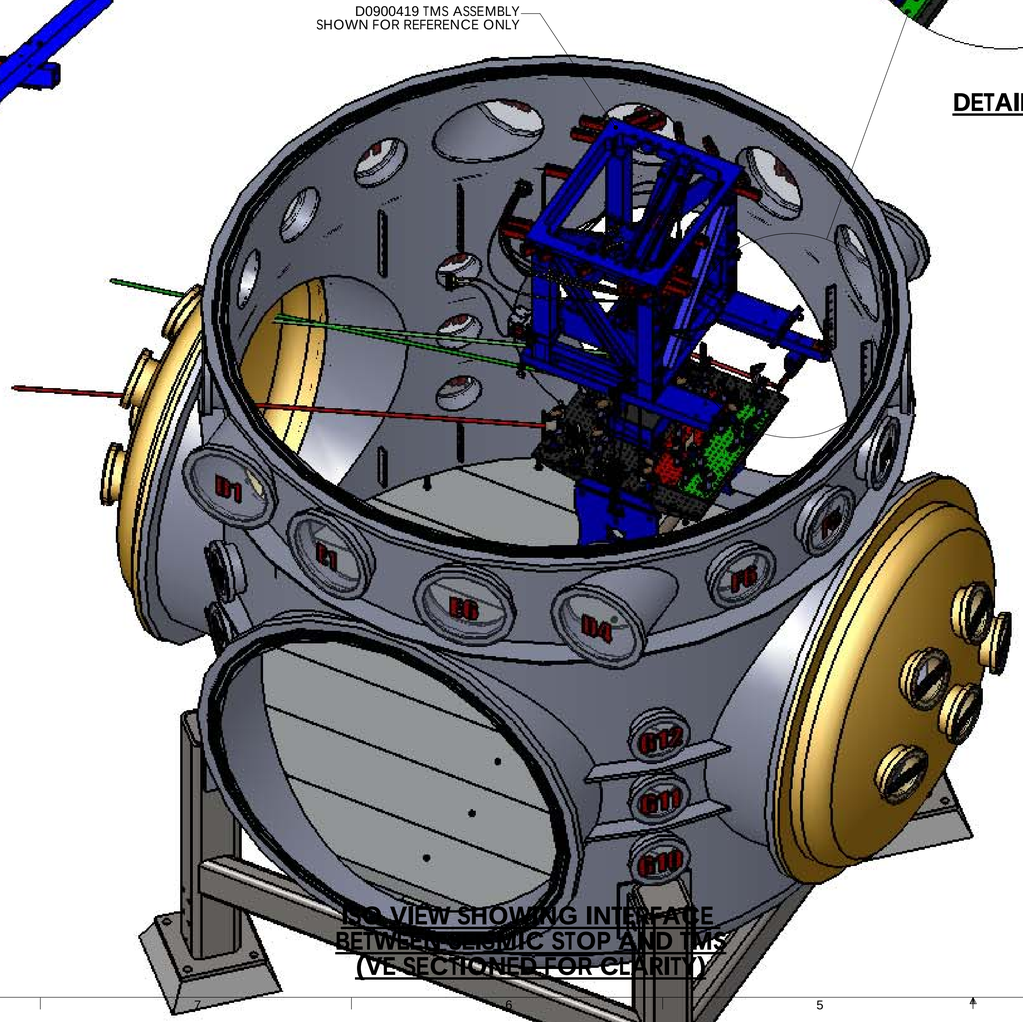
INSTALLATION PROCEDURE FOR THE SEISMIC STOP INTERFACE TO TMS WITHIN BSC CHAMBER:

1. **THE INSTALLATION OF THE SEISMIC STOP STRUCTURE WILL BE DONE AFTER THE CARTRIDGE INSTALLATION.**

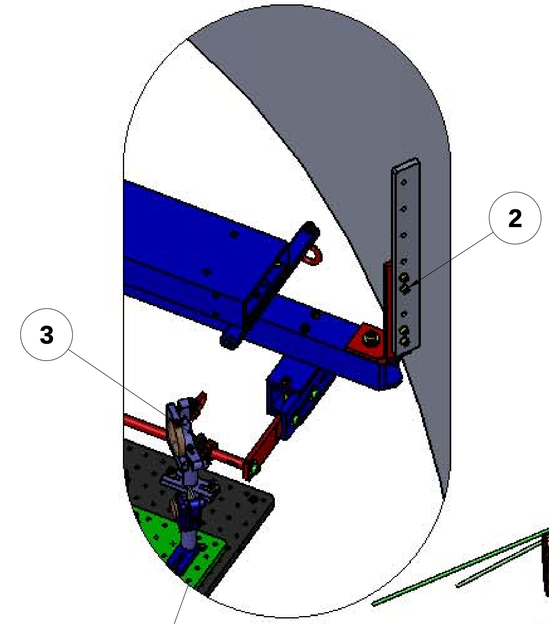
2. **TAKE STRUCTURE (D1001781) WITHOUT STOP ROD SUB-ASSYAND ATTACH END MOUNTING BRACKET (D1001929) TO THE INTERNAL RIB OF THE CHAMBER USING THE HARDWARE REQUIRED. AS SHOWN IN DETAIL "B" PAGE 1.**

3. **INSERT STOP ROD SUB-ASSY (D1001941) ALONG THE TWO MODIFIED EYEBOLT (D1001161)LOCATED AT THE BACK OF THE TMS OPTICAL TABLE. MAKE SURE THE EYEBOLTS ALIGN WITH THE O-RINGS SECTION OF THE SEISMIC STOP, AS SHOWN IN DETAILS "D" AND "E" ON THIS PAGE.**

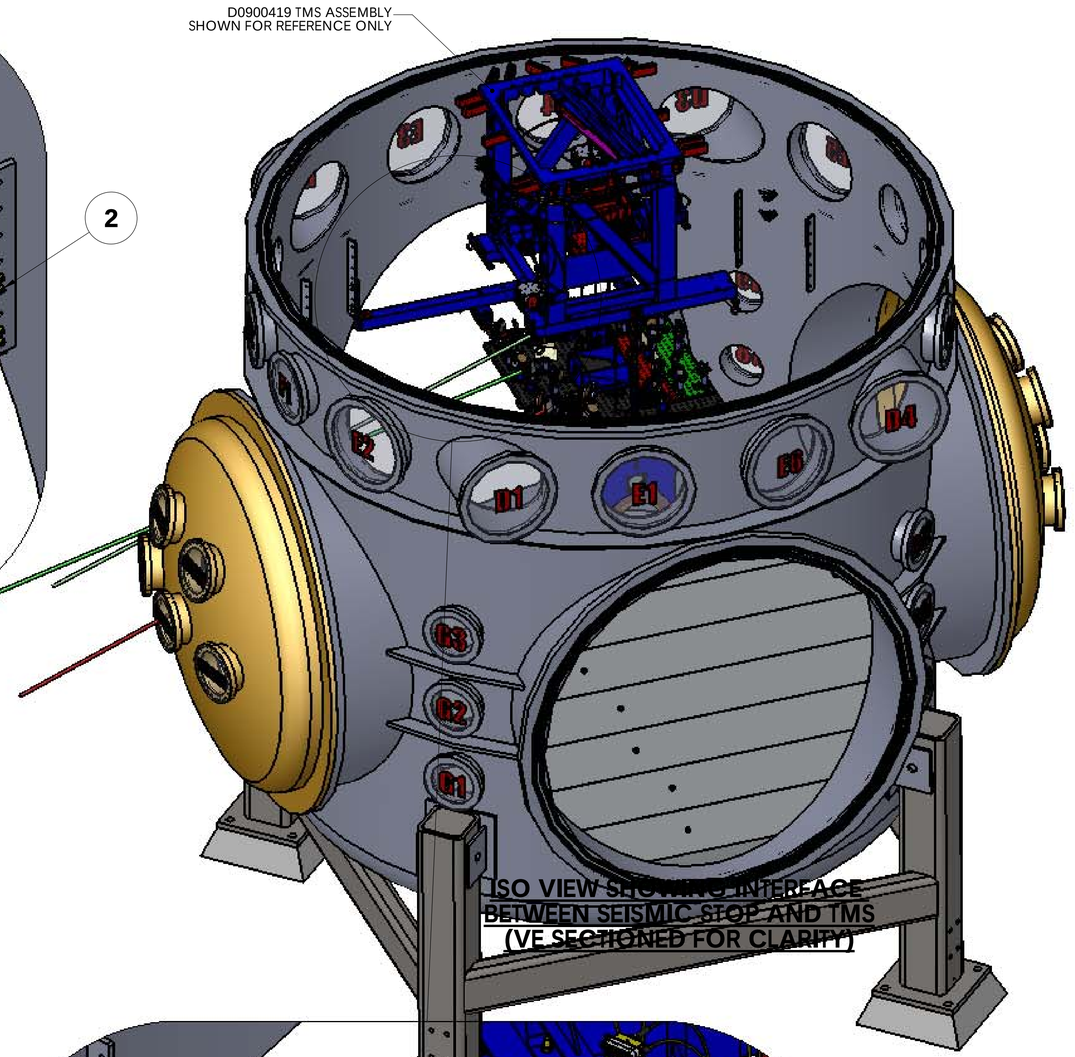




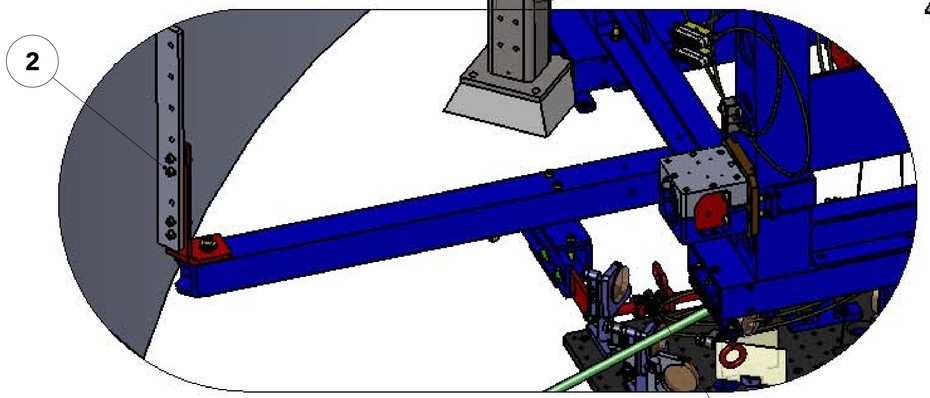
ISO VIEW SHOWING INTERFACE BETWEEN SEISMIC STOP AND TMS (VE SECTIONED FOR CLARITY)



DETAIL "D"



ISO VIEW SHOWING INTERFACE BETWEEN SEISMIC STOP AND TMS (VE SECTIONED FOR CLARITY)



DETAIL "E"

LIGO	CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY	
SIZE: D	DWG. NO.: D1002541	REV.: v1
SCALE: 1:32	PROJECTION:	SHEET 2 OF 2