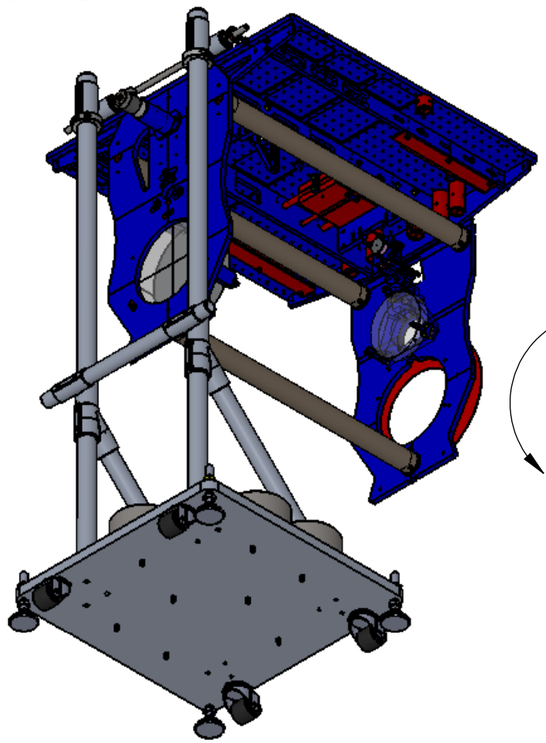
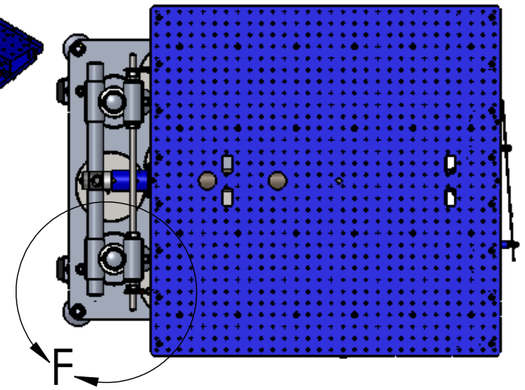
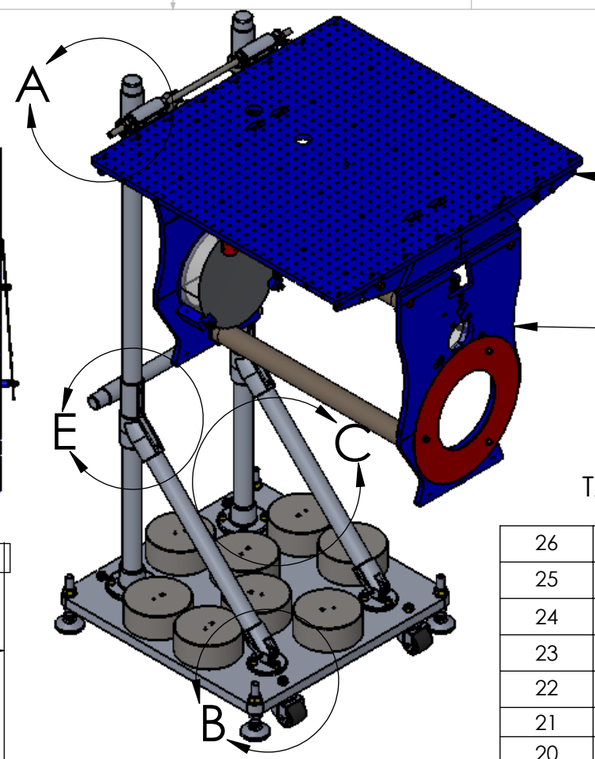
NOTES CONTINUED:

REV.	DATE	DCN #	DRAWING TREE #
v1	4-26-13	to follow	D1200793
-	-	-	-
-	-	-	-



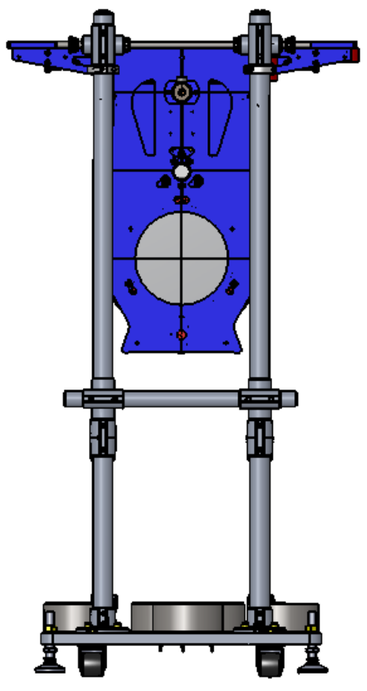


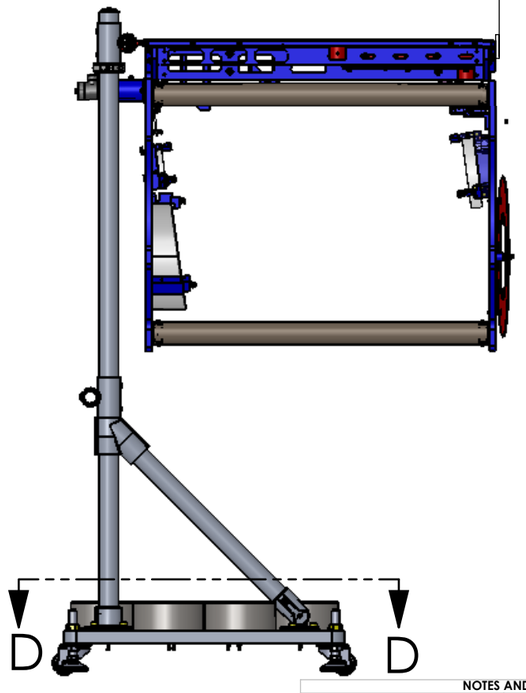


OPTICAL TABLE REF.
D1102291

TMS TELESCOPE REF.
D1102361

WHEN THIS ASSEMBLY
IS USED THE FRONT
SAFETY WIRE D1100827 MUST
ALSO BE IN PLACE





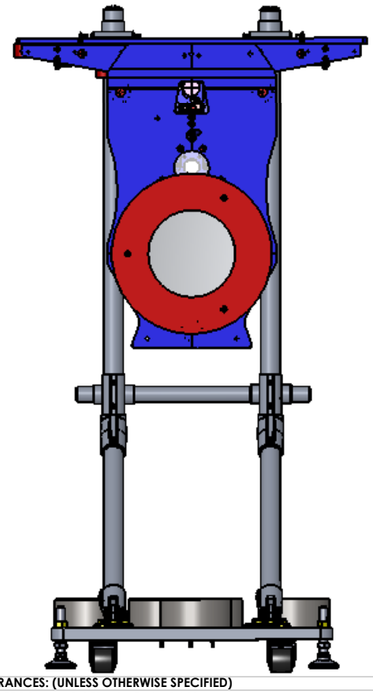


TABLE NUMBERS AND QUANTITIES NOT CHECKED 4-30-13

ITEM NO.	PART NUMBER	QTY.
26	D1300378 aLigo Swing Stop Cross Bar Plug	2
25	D1300377 aLigo swing stop base part a	1
24	D1102291	1
23	D1102361	1
22	aLigo Swing Stop Cross Bar mc master	1
21	McMaster 4698T102	4
20	aLigo horizontal Swing Stop Rod	1
19	McMaster 6436K34	4
18	McMaster 6436K98	2
17	McMaster 92196A557	8
16	D980375 aLigo Swing Stop Mass _SEI_TABLE_BALANCE_WEIGHTS	8
15	McMaster 98017A200	14
14	McMaster 92196A623	14
13	leveling pad foot swing stop mc mast 6111K58	4
12	McMaster 24025T51	4
11	McMaster 98017A215	4
10	McMaster 98017A209	4
9	McMaster 91845A325	4
8	McMaster 91847A520	4
7	aLigo Swing Stop Alum Vertical Post Foot mc master 4698T146	2
6	aLigo Swing Stop Foot Bracket at 45 deg alum mcmaster 4698T79	2
5	McMaster 4698T173	4
4	aLigo Swing Stop 45 Deg Bracket	2
3	aLigo Swing Stop 1.25 round-A2 mc master	2
2	D1300290 aLigo Swing Stop Vertical Post 1.25 dia	2
1	aLigo Swing Stop 45 deg 1.25 foot round mc master	3

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)

DIMENSIONS ARE IN INCHES

TOLERANCES:
.XX ± .02
.XXX ± .010

ANGULAR ± 1.0°

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.

MATERIAL: N/A

FINISH: N/A µinch

NEXT ASSY

LIGO — CALIFORNIA INSTITUTE OF TECHNOLOGY, MASSACHUSETTS INSTITUTE OF TECHNOLOGY

SYSTEM: ADVANCED LIGO

SUB-SYSTEM: AOS

PART NAME: aLigo TMS Swing Stop

DESIGNER	k mailand	3-13-13	
DRAFTER	k mailand	4-26-13	
CHECKER	k mailand	4-26-13	
APPROVAL			

SIZE: B | DWG. NO.: D1300248 | REV.: v1

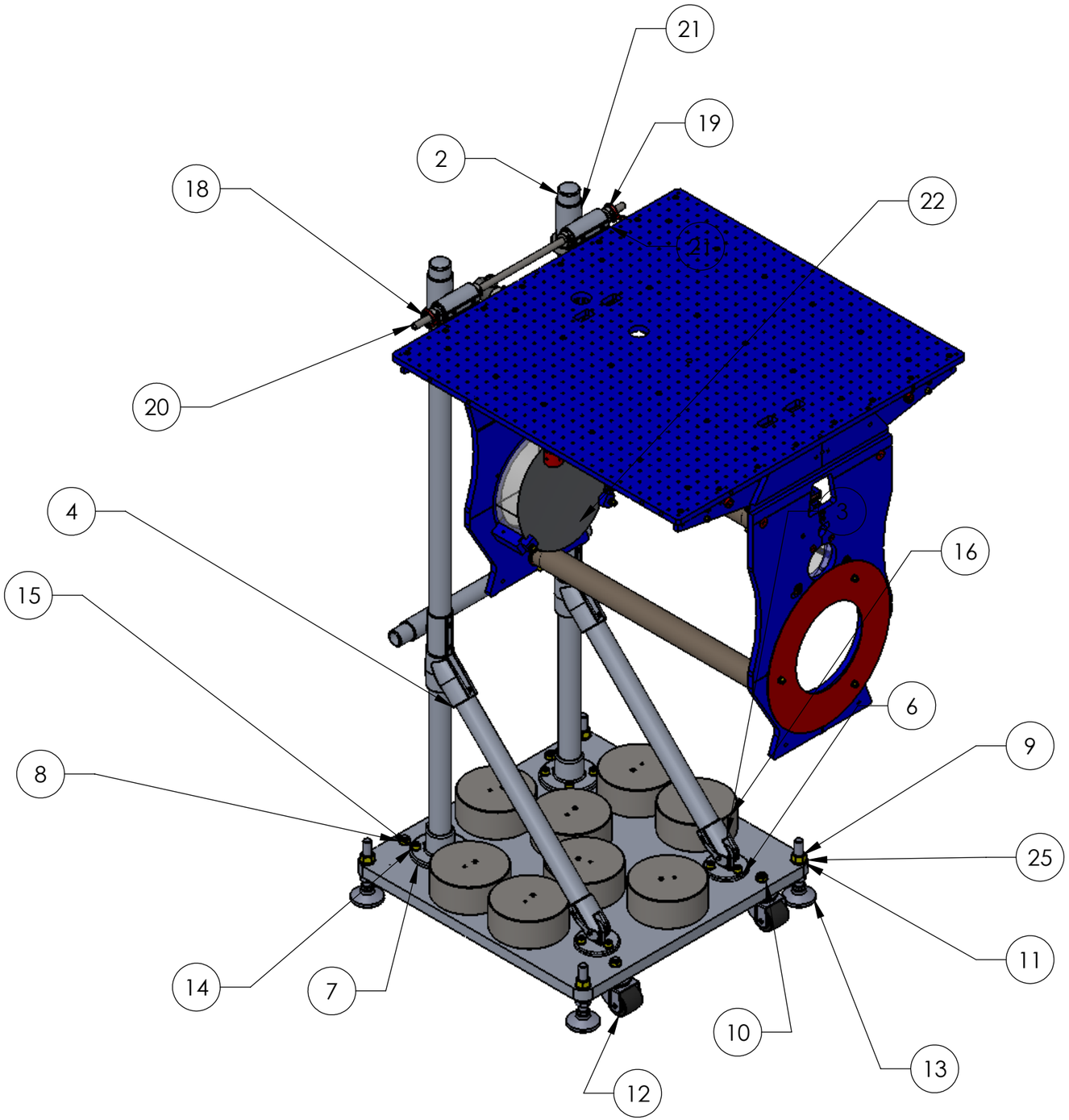
SCALE: 1:16 | PROJECTION: | SHEET 1 OF 4

D1300248 aLigo TMS Swing Stop Assembly, PART PDM REV: X-004, DRAWING PDM REV: X-006

NOTES CONTINUED:

5

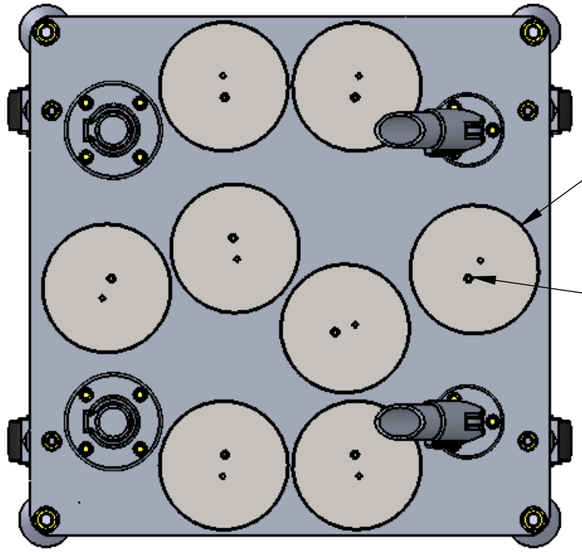
REV.	DATE	DCN #	DRAWING TREE #



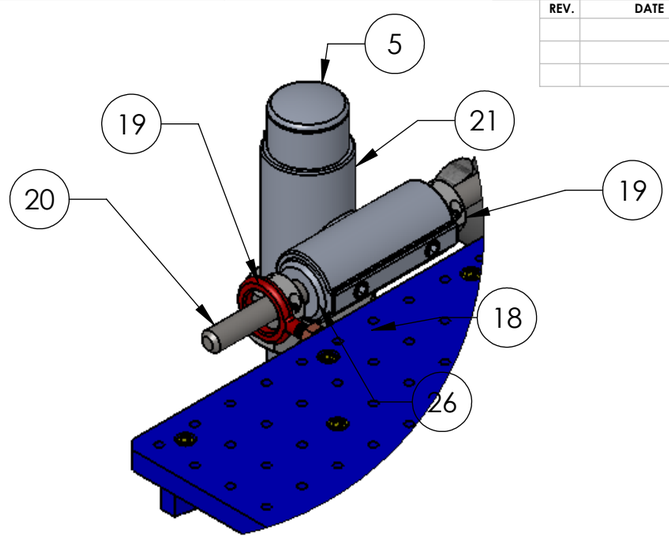
D1300248 aLigo TMS Swing Stop Assembly, PART PDM REV: X-004, DRAWING PDM REV: X-006

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)							
DIMENSIONS ARE IN INCHES TOLERANCES: .XX ± .02 .XXX ± .010 ANGULAR ± 1.0°	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.		LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY	PART NAME: aLigo TMS Swing Stop			
	MATERIAL: N/A	FINISH: N/A µinch	SYSTEM: ADVANCED LIGO	SUB-SYSTEM: AOS	DESIGNER: k mailand 3-13-13	SIZE: B	DWG. NO.: D1300248	REV.: v1
			NEXT ASSY		DRAFTER: k mailand 4-26-13			
					CHECKER: k mailand 4-26-13			
					APPROVAL	SCALE: 1:16	PROJECTION:	SHEET 2 OF 4

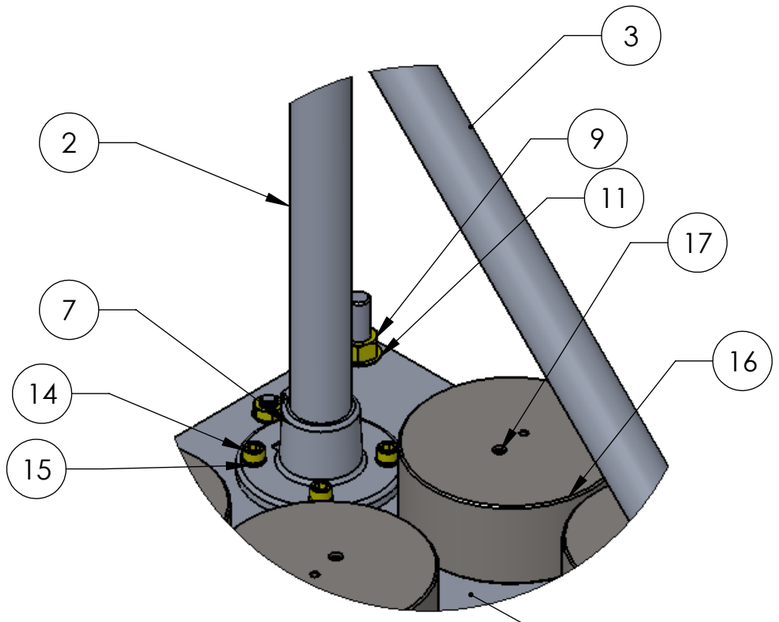
REV.	DATE	DCN #	DRAWING TREE #



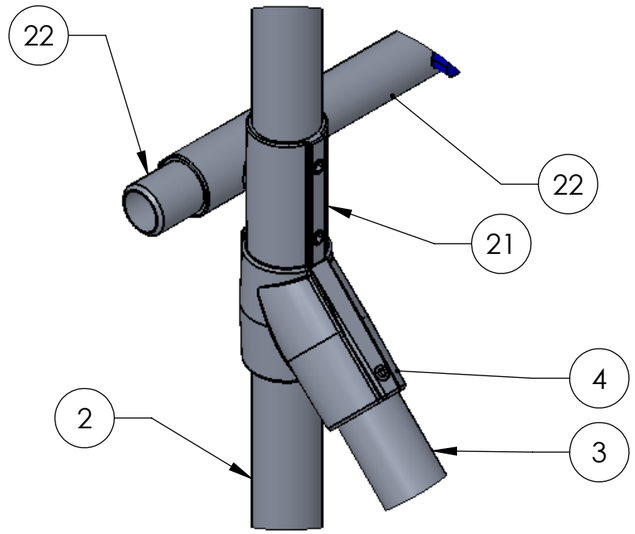
SECTION D-D
SCALE 1 : 7



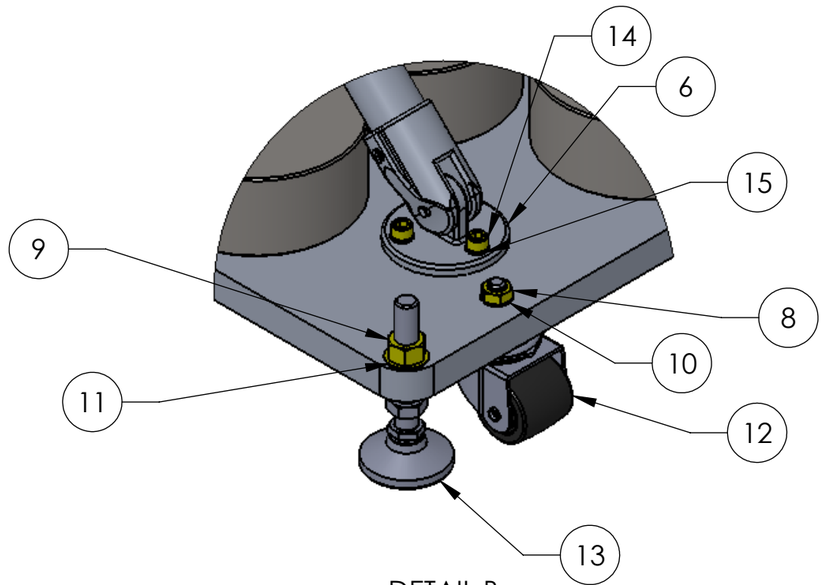
DETAIL A
SCALE 1 : 3



DETAIL C
SCALE 1 : 4



DETAIL E
SCALE 2 : 7



DETAIL B
SCALE 1 : 4

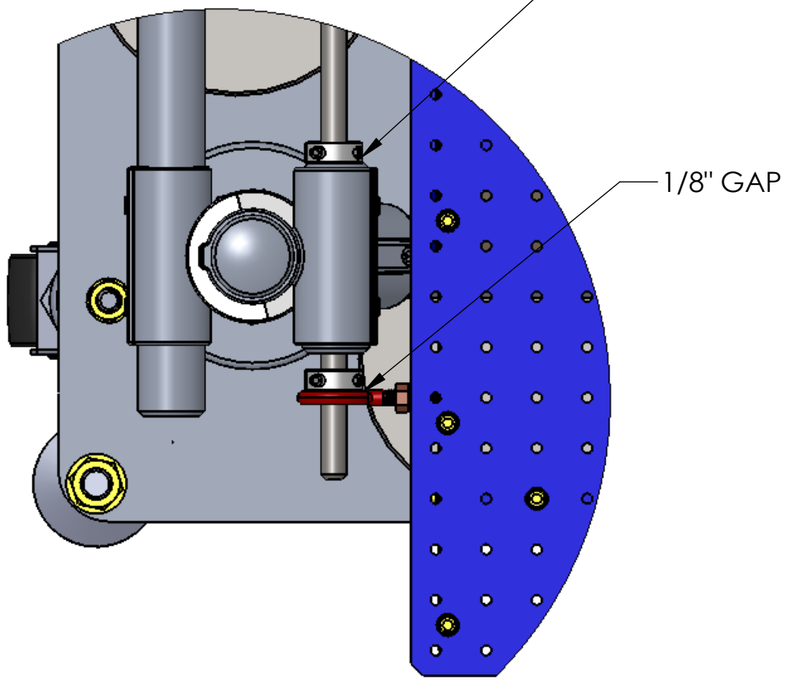
D1300248 aLigo TMS Swing Stop Assembly, PART PDM REV: X-004, DRAWING PDM REV: X-006

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)							
DIMENSIONS ARE IN INCHES TOLERANCES: .XX ± .02 .XXX ± .010 ANGULAR ± 1.0°	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.		LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		PART NAME: aLigo TMS Swing Stop		
	MATERIAL: N/A	FINISH: N/A µinch	SYSTEM: ADVANCED LIGO	SUB-SYSTEM: AOS	DESIGNER: k mailand 3-13-13	SIZE: B	DWG. NO.: D1300248 REV: v1
			NEXT ASSY		DRAFTER: k mailand 4-26-13		
					CHECKER: k mailand 4-26-13		
					APPROVAL	SCALE: 1:16	PROJECTION: SHEET 3 OF 4

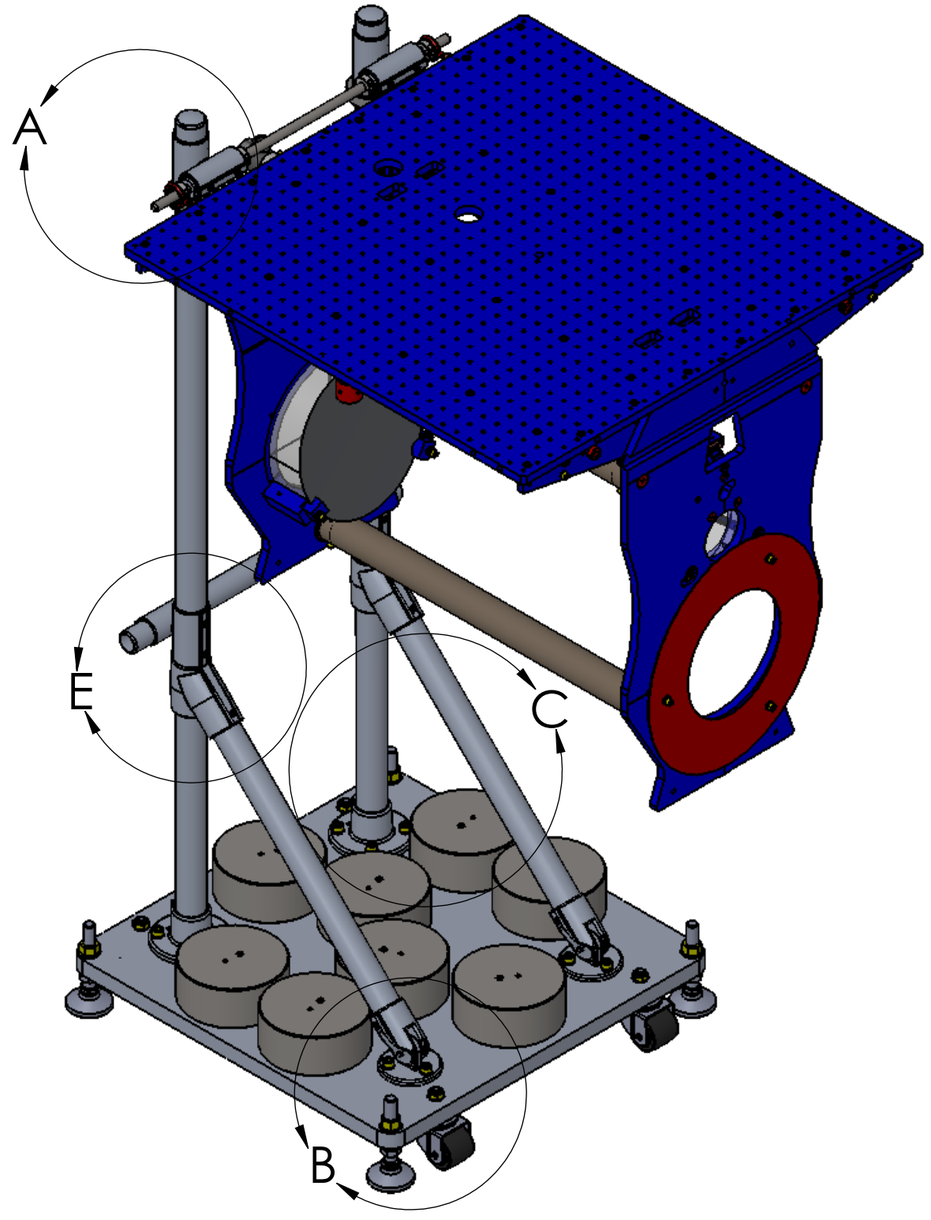
NOTES CONTINUED:

5

REV.	DATE	DCN #	DRAWING TREE #



DETAIL F
SCALE 1 : 3



NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)							
DIMENSIONS ARE IN INCHES TOLERANCES: .XX ± .02 .XXX ± .010 ANGULAR ± 1.0°	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.	MATERIAL: N/A	FINISH: N/A µinch	LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY	SYSTEM: ADVANCED LIGO	SUB-SYSTEM: AOS	NEXT ASSY

PART NAME	aLigo TMS Swing Stop		
DESIGNER	k mailand	3-13-13	
DRAFTER	k mailand	4-26-13	
CHECKER	k mailand	4-26-13	
APPROVAL			

SIZE	DWG. NO.	REV.
B	D1300248	v1

SCALE: 1:16 PROJECTION: SHEET 4 OF 4

D1300248 aLigo TMS Swing Stop Assembly, PART PDM REV: X-004, DRAWING PDM REV: X-006