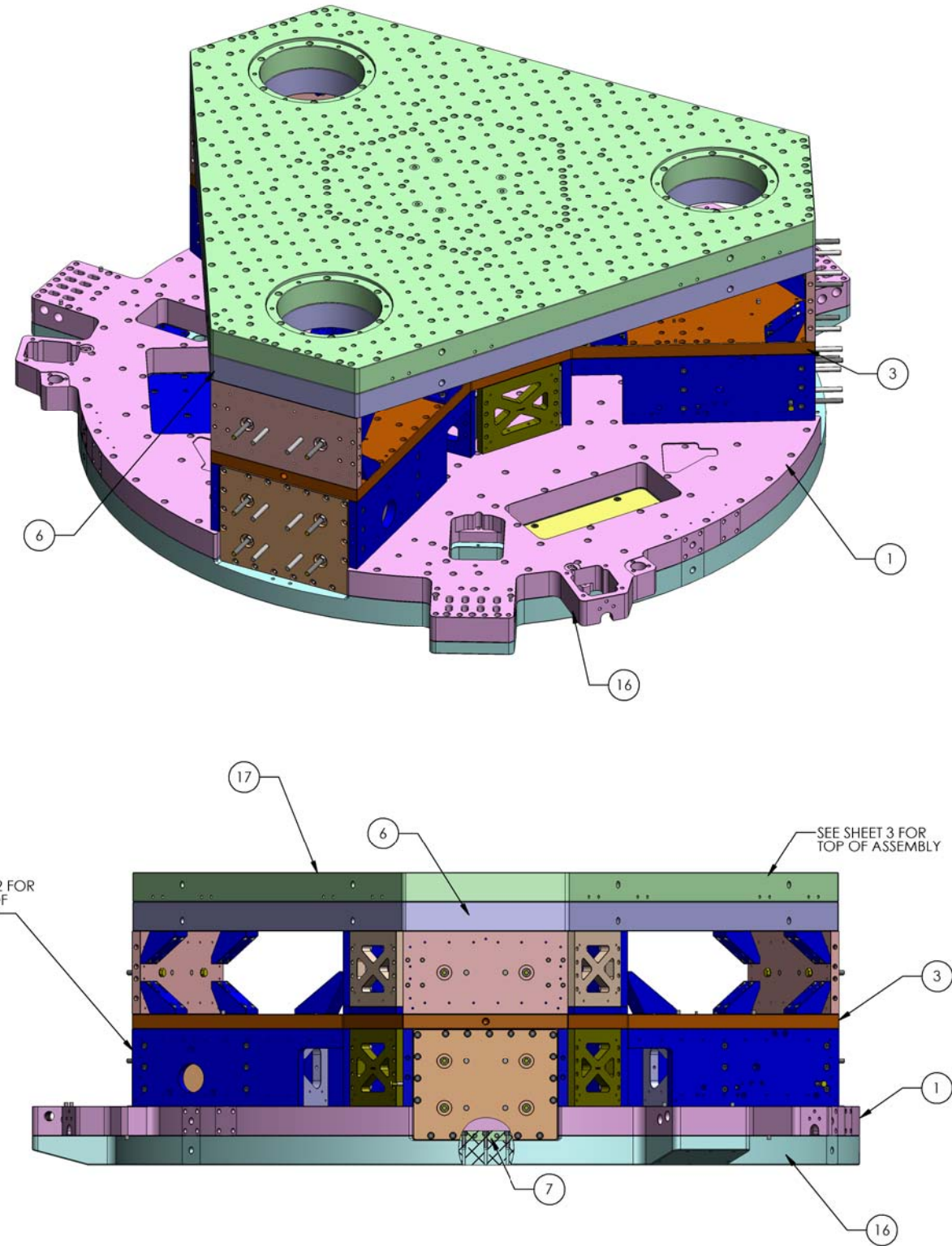


NOTES CONTINUED:  
 5. VENDOR REFERENCES ARE PROVIDED AS EXAMPLES OF PARTS MEETING ALL REQUIRED SPECIFICATIONS. EQUIVALENTS ARE ALWAYS ACCEPTABLE UNLESS OTHERWISE SPECIFIED.  
 6. REFER TO LIGO E0900357 FOR ASSEMBLY AND LOADING PROCEDURE.

REV.	DATE	DCN #	DRAWING TREE #
v1	11 Jan 2011	E1100026	E1000025
v2	12 Apr 2011	E1000422	E1000025



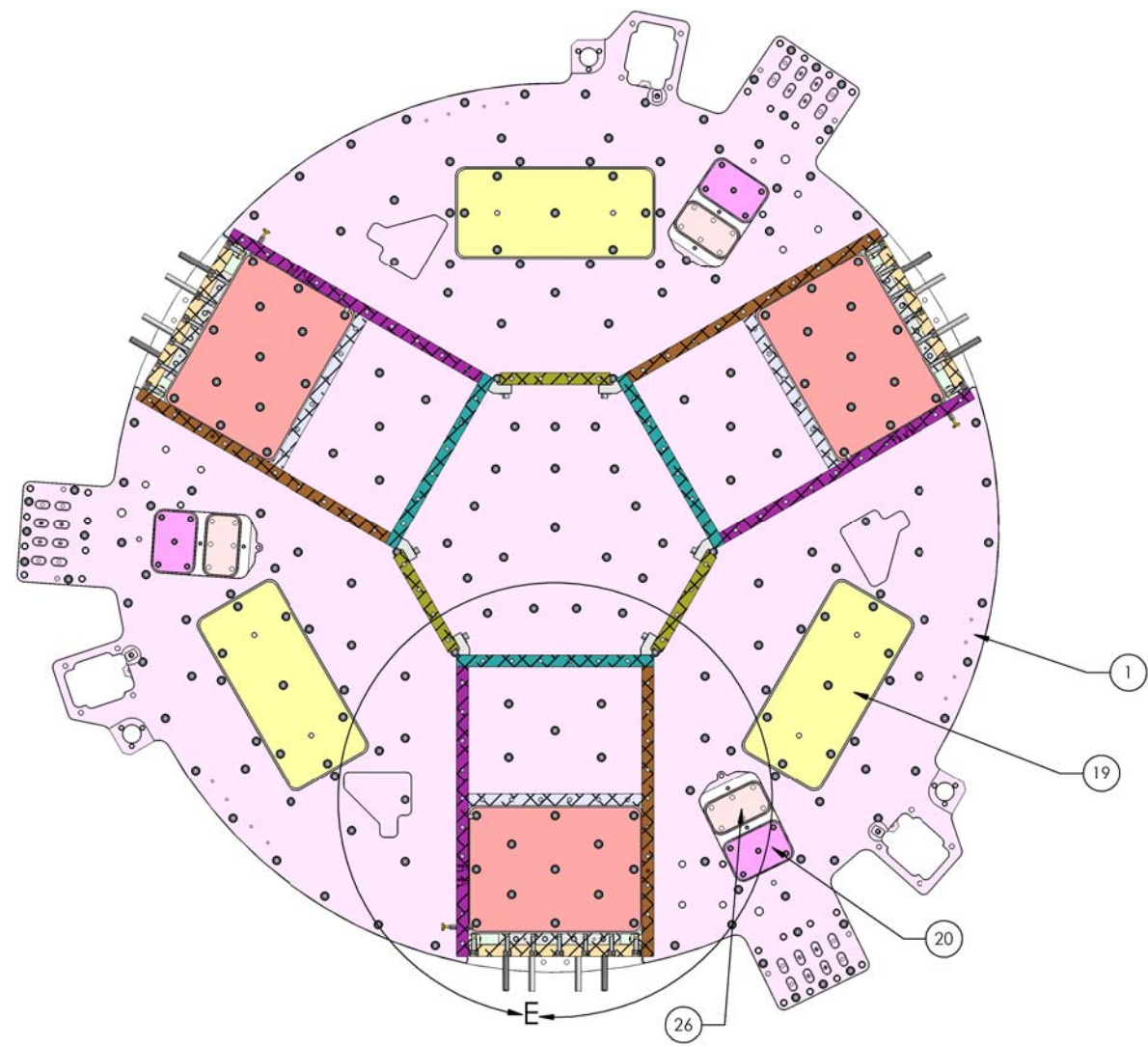
ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	REQ
41	MCMaster_97365A290	Dowel Pin, 3/8"x2.0" VENTED W/10-32 THD	18-8 SS	3
40	MCMaster_97365A250	Dowel Pin, 3/8"x1.0" VENTED W/10-32 THD	18-8 SS	3
39	McMaster_91746A378	THUMB SCREW 5/8 HEAD W 10-32 THD 1 1/2LG	18-8 SSSL	3
38	HOLKROME_78060	SHCS, 1/4"-20x.875"	18-8 SS	18
37	McMaster_90145A539	Dowel Pin 1/4" (.2501) x 5/8" L 18.8 SST	18-8 Stainless	18
36	HOLKROME_78102	SHCS, 3/8"-16x1.5"	18-8 SS	117
35	HOLKROME_78100	SHCS, 3/8"-16x1.25"	18-8 SS	297
34	HOLKROME_78056	SHCS, 1/4"-20x.625"	18-8 SS	15
33	UC_COMPONENTS_WFV-25	Vented Washer, .255 ID X .468 OD X .032 THK #1/4	18-8 SSSL	33
32	HOLKROME_78098	SHCS, 3/8"-16x1.0"	18-8 SS	114
31	HOLKROME_78108	SHCS, 3/8"-16x2.5"	18-8 SS	36
30	MCMaster_90145A624	Dowel Pin, 3/8"x1.0"	18-8 SS	84
29	HOLKROME_78106	SHCS 3/8-16x2"	18-8 SS	555
28	UC_COMPONENTS_WFV-38	Washer Vented, .39 ID X .63 OD X .032 THK #3/8"	18-8 SS	1119
27	MCMaster_90145A714	Dowel Pin, 1/2"x1.25"	18-8 SS	6
26	D0902487	Spring Hatch, aLIGO BSC ISI	6061-T6 Al	3
25	D1000052	Asm, Lower Outer Wall, BSC ISI	N/A	3
24	D1000053	Asm, Upper Outer Wall, aLIGO BSC ISI	N/A	3
23	D0902133	Gusset, Hex Wall, aLIGO BSC ISI	6061-T6 Al	6
22	D0901523	Tangential Wall, aLIGO BSC ISI	6061-T6 Al	3
21	D0901539	Gusset, Outer Wall, aLIGO BSC ISI	6061-T6 Al	12
20	D0901844	Cover 3, Optical Table, aLIGO BSC ISI	6061-T6 Al	3
19	D0901843	Cover 2, Optical Table, aLIGO BSC ISI	6061-T6 Al	3
18	D0901842	Cover 1, Optical Table, aLIGO BSC ISI	6061-T6 Al	3
17	D0901519	Keel Plate, Up-Facing, aLIGO BSC ISI	6061-T6 Al	1
16	D0901516	Optical Table, Down-Facing, aLIGO BSC ISI	6061-T6 Al	1
15	D0901524	Hex Wall, Lower, Large, aLIGO BSC ISI	6061-T6 Al	3
14	D0901521	Radial Wall, Left, aLIGO BSC ISI	6061-T6 Al	3
13	D0901522	Radial Wall, Right, aLIGO BSC ISI	6061-T6 Al	3
12	D0901538	Bracket, Hex Wall, aLIGO BSC ISI	6061-T6 Al	12
11	D0901530	Adapter, Large Hex Wall, aLIGO BSC ISI	6061-T6 Al	3
10	D0901531	Adapter, Small Hex Wall, aLIGO BSC ISI	6061-T6 Al	3
9	D0901537	Bracket, Lower Outer Wall, Side, aLIGO BSC ISI	6061-T6 Al	6
8	D0901536	Bracket, Lower Outer Wall, Top, aLIGO BSC ISI	6061-T6 Al	3
7	D0901535	Bracket, Lower Outer Wall, Bottom, aLIGO BSC ISI	6061-T6 Al	3
6	D0901518	Keel Plate, Down-Facing, aLIGO BSC ISI	6061-T6 Al	1
5	D0901526	Hex Wall, Upper, Large, aLIGO BSC ISI	6061-T6 Al	3
4	D0901528	Hex Wall, Upper, Small, aLIGO BSC ISI	6061-T6 Al	3
3	D0901520	Mid-Plate, aLIGO BSC ISI	6061-T6 Al	1
2	D0901525	Hex Wall, Lower, Small, aLIGO BSC ISI	6061-T6 Al	3
1	D0901517	Optical Table, Up-Facing, aLIGO BSC ISI	6061-T6 Al	1

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)	
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.	
DIMENSIONS ARE IN INCHES	
TOLERANCES:	
.XX ± N/A	
.XXX ± N/A	
ANGULAR ± N/A*	
MATERIAL	N/A
FINISH	N/A μinch

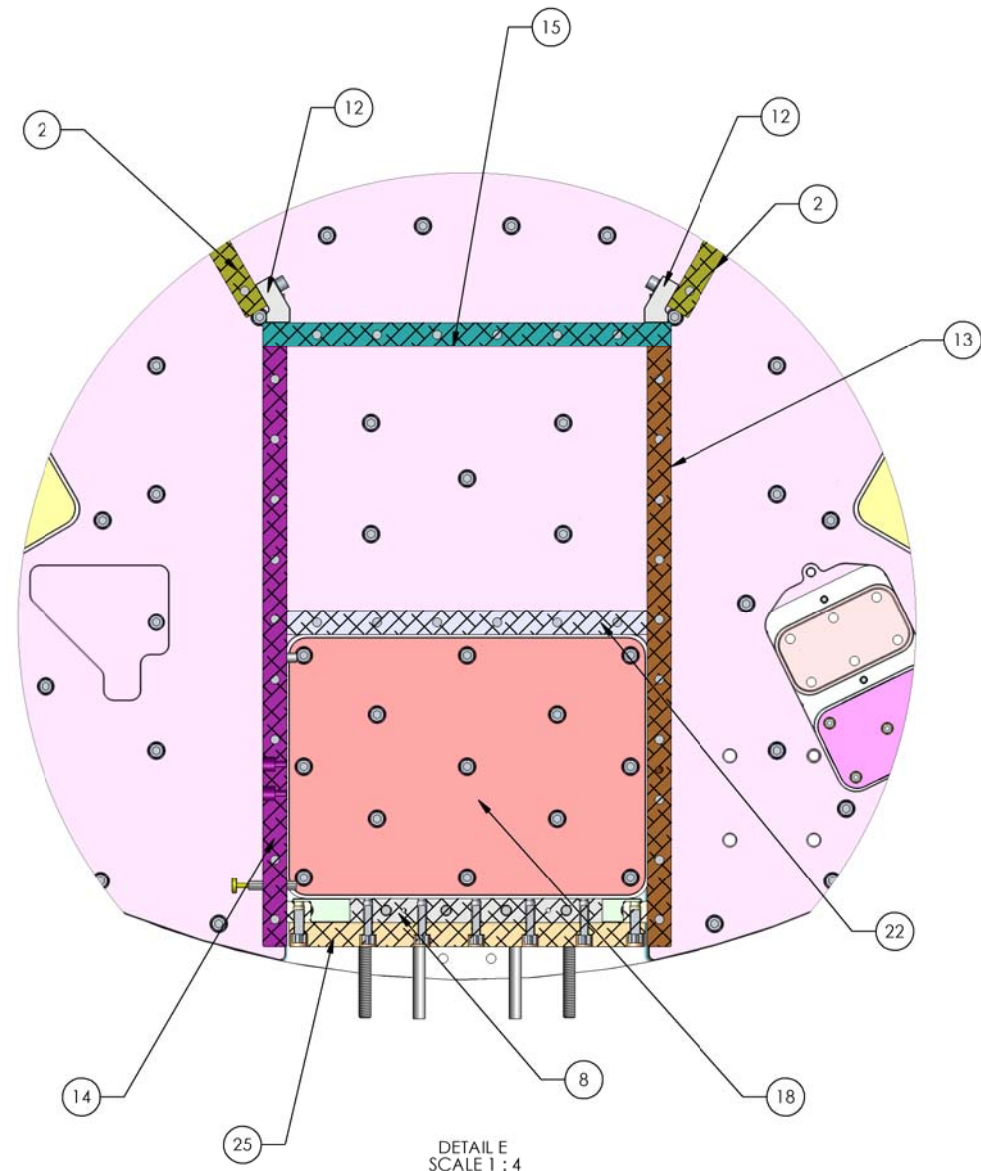
CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY	
SYSTEM	ADVANCED LIGO
SUB-SYSTEM	SEI
NEXT ASSY	D0901182

PART NAME			
Stage 2, BSC ISI Table, Advanced LIGO			
DESIGNER	Andy Stein	09 JUN 2009	SIZE
DRAFTER	MILLARD	23 June 2010	DWG. NO.
CHECKER	F.MATICHARD	23 June 2010	D
APPROVAL	K.MASON	23 June 2010	SCALE: 1:8
PROJECTION:		SHEET 1 OF 3	

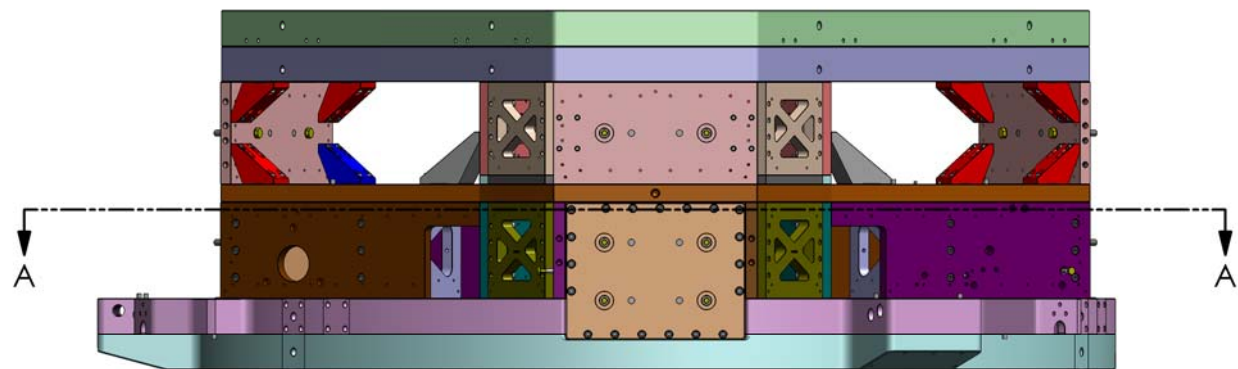
D0901181 Adv LIGO BSC Stage 2 Assembly, Part PDM REV: X-116, DRAWING PDM REV: X-004



SECTION A-A

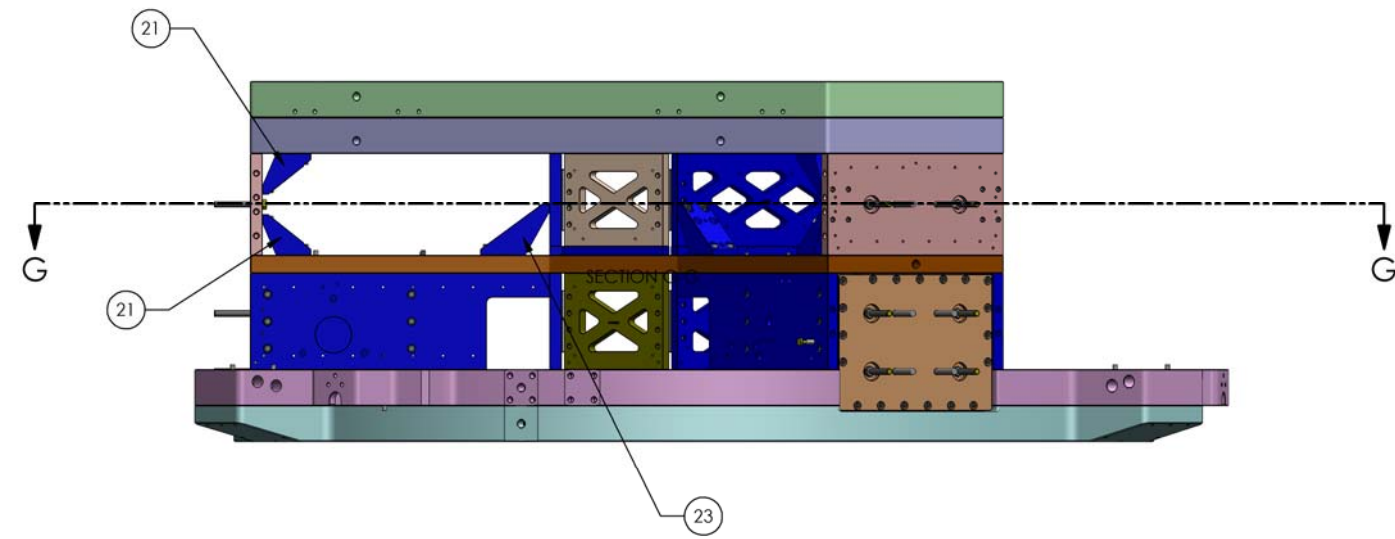
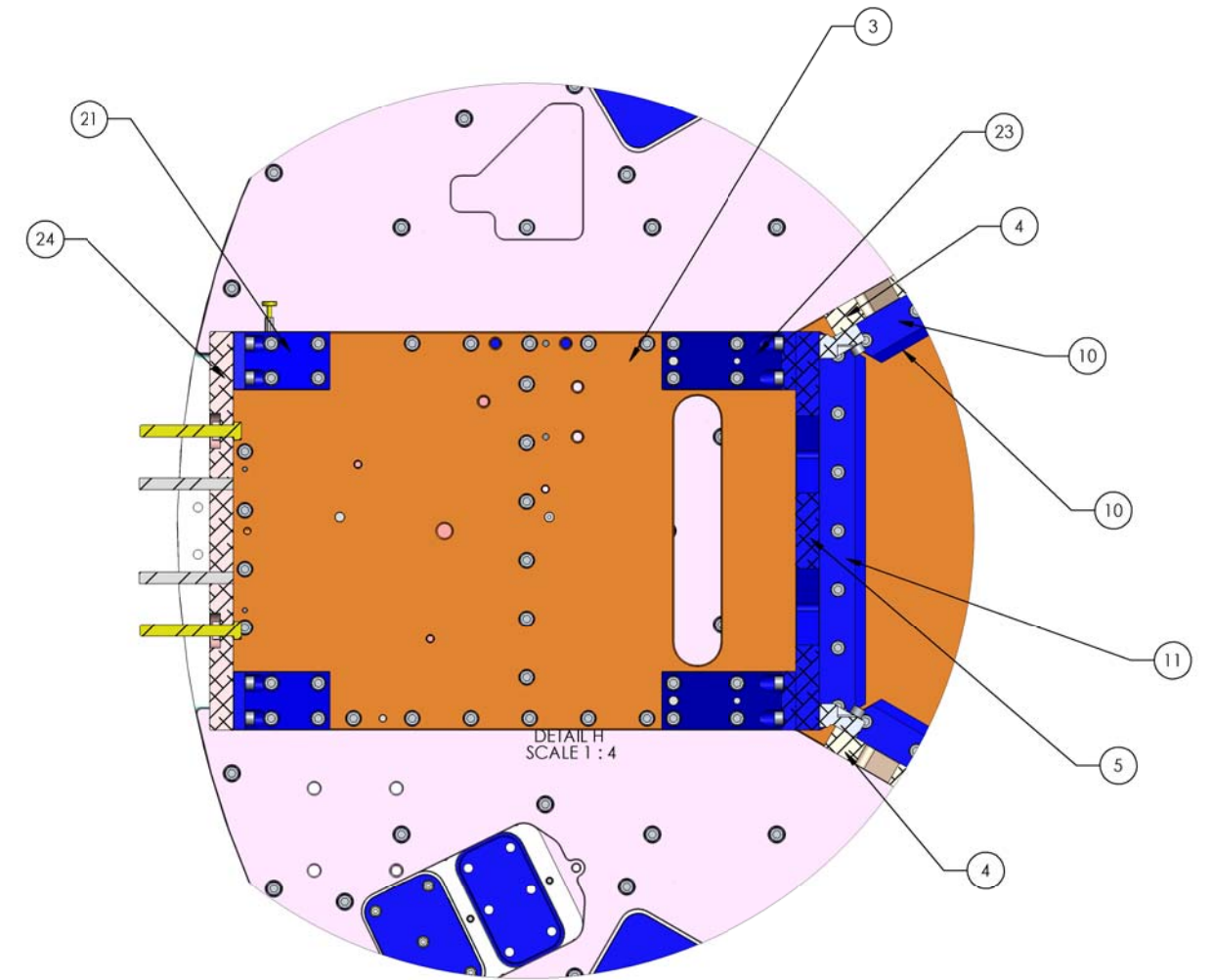
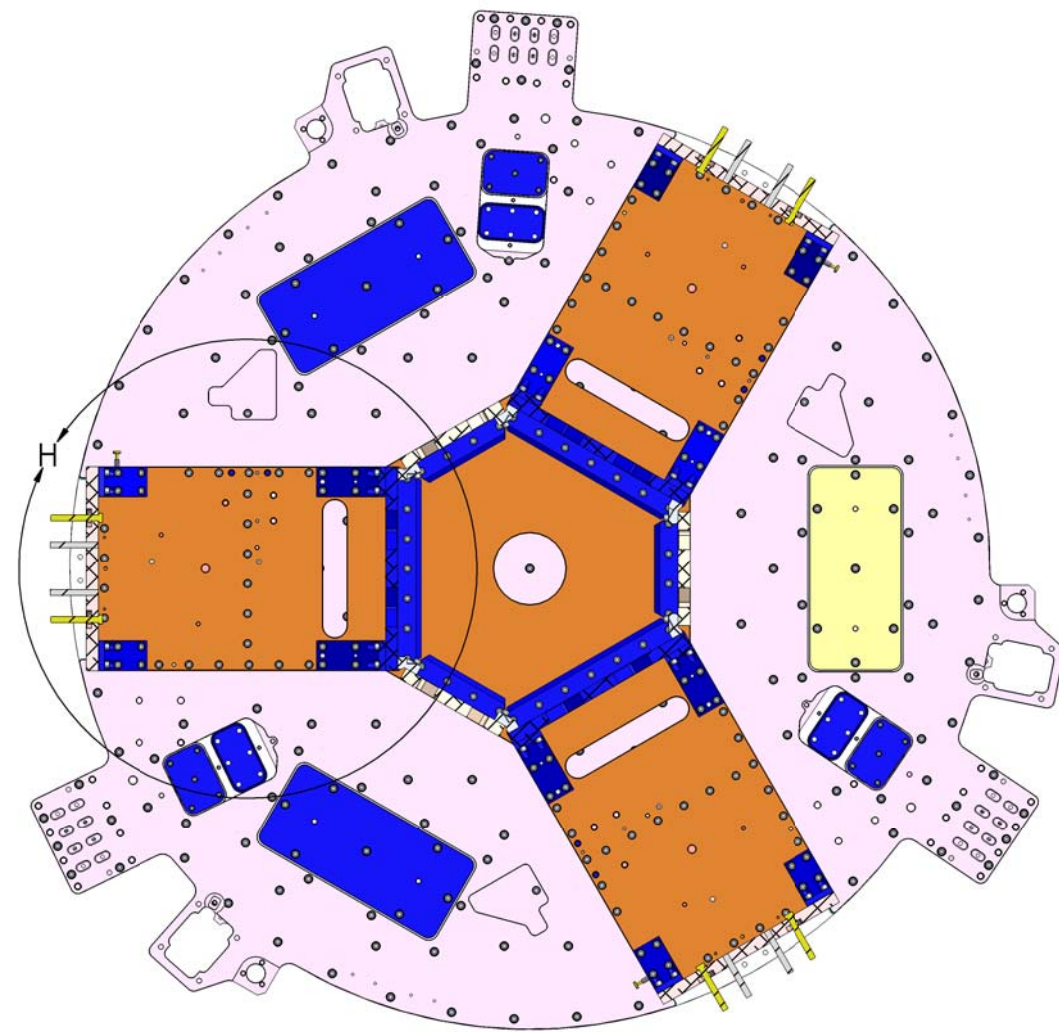


DETAIL E  
SCALE 1 : 4



<b>LIGO</b> CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		
SIZE	DWG. NO.	REV.
D	D0901181	v2
SCALE: 1:8	PROJECTION:	SHEET 2 OF 3

D0901181\_Ash-LIGO\_EB\_BEC Stage 2 Assembly, PART PDM REV: X-116, DRAWING PDM REV: X-004



<b>LIGO</b> CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		REV.
SIZE	DWG. NO.	REV.
D	D0901181	v2
SCALE: 1:8	PROJECTION:	SHEET 3 OF 3

D0901181\_A01-LIGO\_EB\_BEC\_Stage 2 Assembly, PART PDM REV: X-116, DRAWING PDM REV: X-004