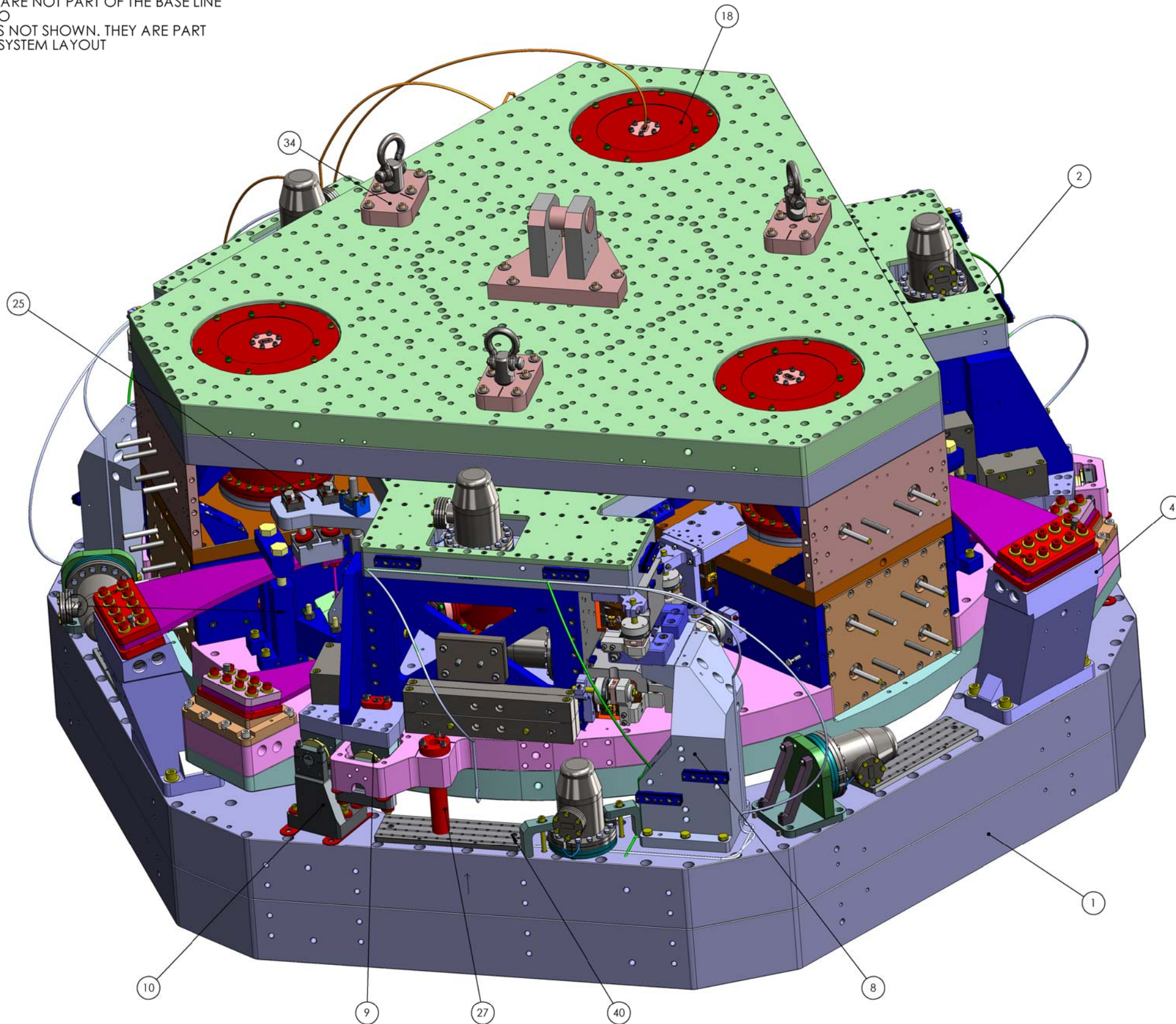


- NOTES CONTINUED:**
- VENDOR REFERENCES ARE PROVIDED AS EXAMPLES OF PARTS MEETING ALL REQUIRED SPECIFICATIONS. EQUIVALENTS ARE ALWAYS ACCEPTABLE UNLESS OTHERWISE SPECIFIED.
 - REFER TO LIGO E0900357 FOR ASSEMBLY AND LOADING PROCEDURE.
 - FEEDFORWARD L4-C ARE NOT PART OF THE BASE LINE FOR ADVANCED LIGO
 - STAGE 2 TRIM MASSES NOT SHOWN. THEY ARE PART OF THE UPPER LEVEL(SYSTEM LAYOUT)

REV.	DATE	DCN #	DRAWING TREE #
v1	11 Jan 2011	E1100026	E1000025

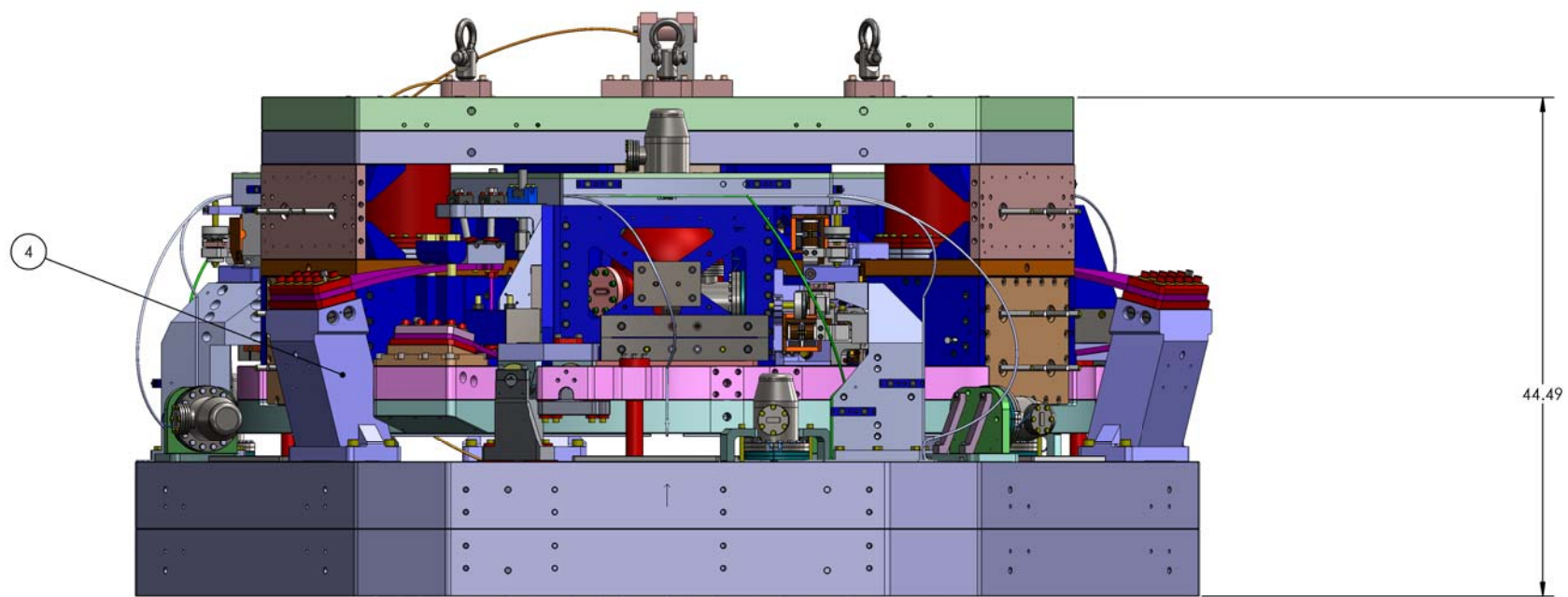
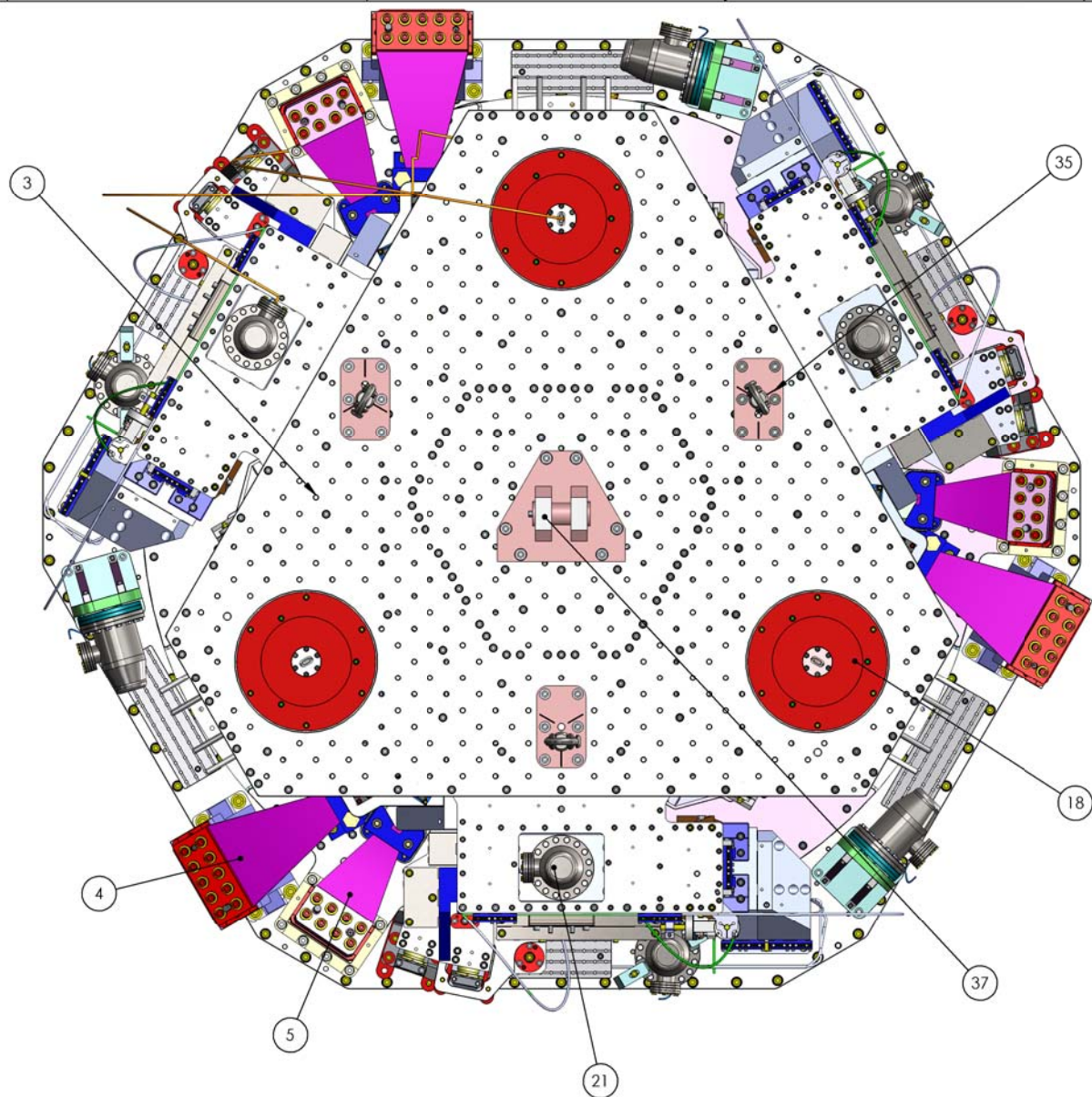


ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	REQ
44	D0902670	CABLE TIE, aLIGO BSC ISI	N/A	15
43	D0900648	Trillum Pod, aLIGO BSC ISI	N/A	3
42	D1000066	Feed-Forward, L4C, Vertical	N/A	3
41	D1000065	Feed-Forward, L4C, Horizontal	N/A	3
40	D0901282	Wiring Breadboard, BSC ISI, aLIGO	6061-T6 Al	6
39	HOLKROME_78056	SHCS, 1/4"-20x.625"	18-8 SS	12
38	UC_COMPONENTS_WFV-25	Vented Washer, .255 ID X .468 OD X .032 THK #1/4	18-8 SSSL	12
37	D1000744	LIFT HOOK RECIEVER, aLIGO BSC ISI	N/A	1
36	D1000756	SAFTEY, LIFT HOOK RECIEVER, aLIGO BSC ISI	N/A	1
35	D1000756	SAFTEY, LIFT HOOK RECIEVER, aLIGO BSC ISI	N/A	1
34	D1000756	SAFTEY, LIFT HOOK RECIEVER, aLIGO BSC ISI	N/A	1
32	D1002944	MI Model Cable 3	Material <not specified>	1
31	D1002943	MI Model Cable 2	Material <not specified>	1
30	D1002942	MI Model Cable 1	Material <not specified>	1
27	D1001110	STAGE 0-2 ALIGNMENT PIN ASSY, aLIGO BSC ISI	N/A	3
26	D1001112	STAGE 1-2 TOOLING STANDOFF PIN ASSY, aLIGO BSC ISI	N/A	3
25	D0902464	Stage0-1 Blade Pusher, aLIGO BSC-ISI Blades Loading Tooling	N/A	3
24	D0902454	PULLER BLADE ASSEMBLY, STAGE 1-2, aLIGO BSC ISI	N/A	3
23	D0902164	Stage 1-2 Blade Safety Restraint	N/A	3
22	D0901872	Stage 0-1 Blade Spring Safety Restraint.	N/A	3
21	D047820	L4C Assy, aLIGO BSC-ISI	N/A	3
20	D1000525	L4C-ADL INTERPOSER ASSY, STAGE 1, aLIGO BSC ISI	N/A	3
19	McMaster_90145A626	Dowel Pin 3/8" (.3751) +/- .0001" x 1.25" +/- .01"	18-8 SSSL	6
18	D0902777	GS-13 Pod - Vertical - aLIGO BSC-ISI	N/A	3
17	D0902778	GS-13 Pod - Horizontal - BSC	N/A	3
16	D1000642	SMALL VERTICAL ACTUATOR ASSY W/TOOLING, aLIGO BSC ISI	N/A	3
15	D1000717	SMALL HORIZONTAL ACTUATOR ASSY W/TOOLING, aLIGO BSC ISI	N/A	3
14	D0902534	Stage1-2, Vertical Position Sensor Assm	N/A	3
13	D0902529	STAGE 1-2 HORIZONTAL POSITION SENSOR ASSM	N/A	3
12	D1000289	VERTICAL ACTUATOR ASSY W/TOOLING, STAGE 0-1, aLIGO BSC ISI	As Req.	3
11	D1000310	HORIZONTAL ACTUATOR ASSY W/TOOLING, STAGE 0-1, aLIGO BSC ISI	As Req.	3
10	D1000854	Stage 0-1 Locker aLIGO BSC-ISI	N/A	3
9	D1000855	Stage 1-2 Locker, aLIGO BSC-ISI	N/A	3
8	D0901554	ACTUATOR POST STAGE 0-1, aLIGO BSC ISI	Material <not specified>	3
7	UC_COMPONENTS_WFV-50	Vented Washer, .515 ID X .87 OD X .032 THK #1/2"	18-8 SS	18
6	McMASTER_92240A722	SCREW HEX HEAD, 1/2-13 X 2.5 FULL THD	18-8 SSSL	18
5	D0902485	Stage1-2 Blade Spring Flexure Assem	N/A	3
4	D0901197	BSC ST 0-1 SPRING POST AND FLEXURE ASSY	N/A	3
3	D0901181	Stage 2, BSC ISI Table, Advanced LIGO	N/A	1
2	D0901180	STAGE 1 ASSEMBLY, aLIGO BSC ISI	N/A	1
1	D0900896	STAGE 0 MONOLITHIC ASSEMBLY, aLIGO BSC ISI	N/A	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	SEI Top Level

PART NAME				Advanced LIGO BSC ISI Assembly			
DESIGNER	sparrum	July 2009	SIZE	DWG. NO.	REV.		
DRAFTER	M.HILLARD	23 June 2010	D	D0901182	v1		
CHECKER	F.MATICHARD	23 June 2010					
APPROVAL	K.MASON	23 June 2010	SCALE: 1:8	PROJECTION:	SHEET 1 OF 2		



D0901182-AS4-1000-EE-BIC-IB-Assembly_PAKIT-PDM-REV-X-11.4-DRAWING-PDM-REV-X-004