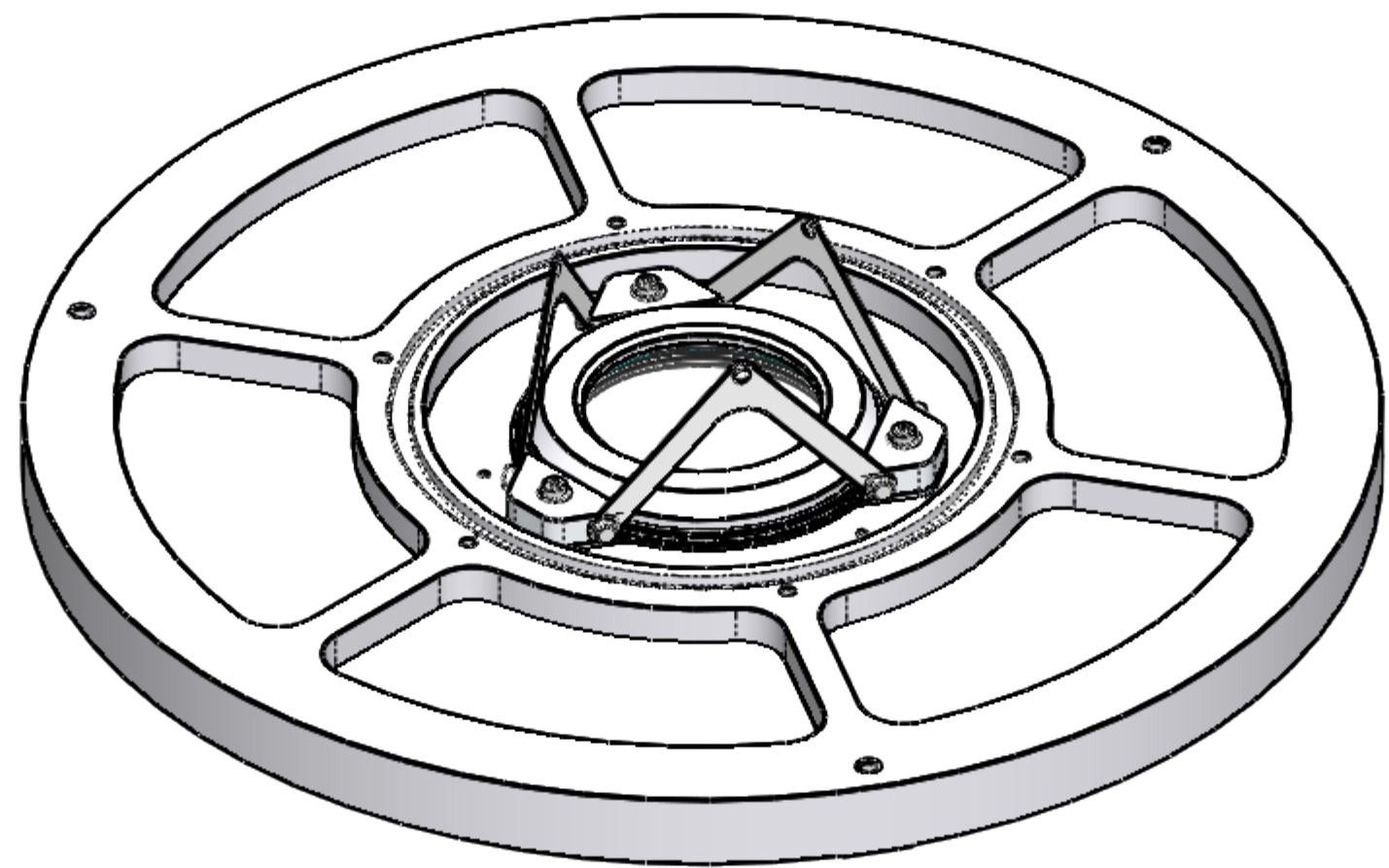
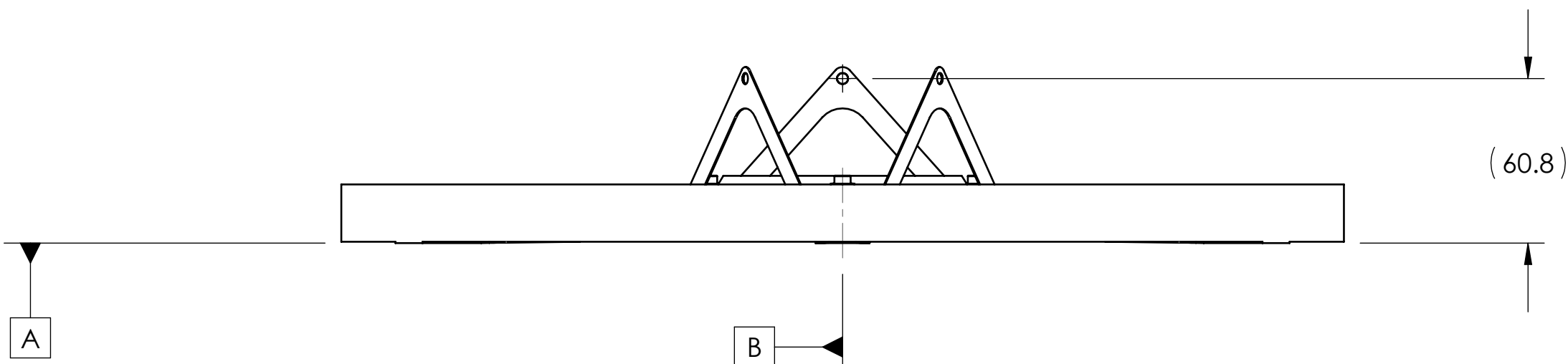
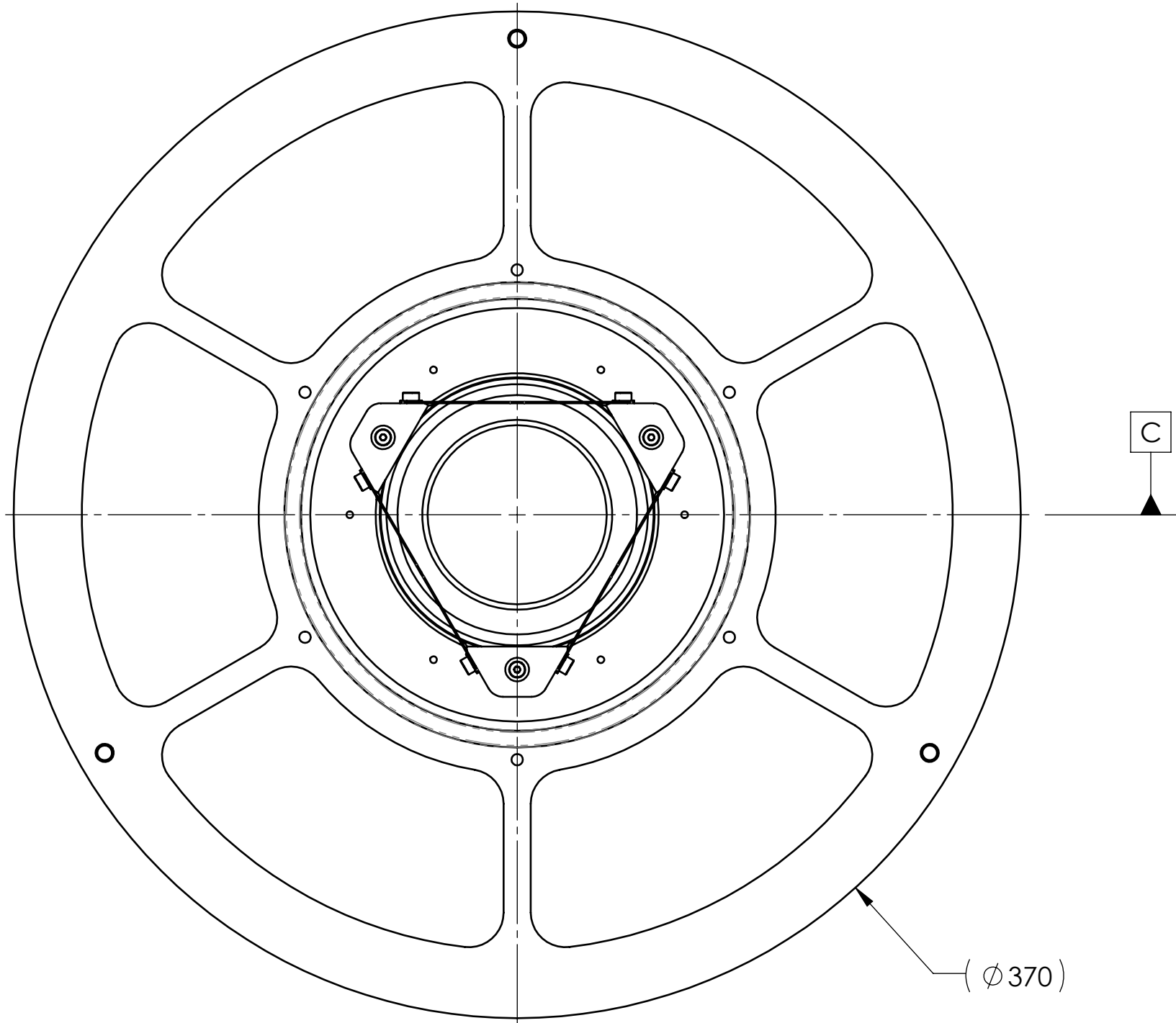


3			2		1	
REVISIONS						
ZONE	REV.	DESCRIPTION			DATE	APPROVED
	A	INITIAL RELEASE			5/26/2017	Alex Delacroix



ISOMETRIC VIEW

15	3	91595A108	DOWEL PIN, Dia 3m6 X 10mm LG	440C Stainless Steel	Mc Master-Carr
14	6	96445K211	BELLEVILLE DISC SPRING, M4, 4.2mm ID, 8mm OD, .4mm Thk, Spring Steel	High-Carbon Steel	Mc Master-Carr
13	6	90278A542	SHOULDER SCREW, DIA 4H9 X 3MM LG, M3-0.5 X 4MM LG	18-8 Stainless Steel	McMaster-Carr
12	3	GATPAL-ABA-ABF	BIPOD FLEXURE	Titanium Ti-6Al-4V	MACHINED PART
11	3	90278A544	SHOULDER SCREW, M3-0.5 X 4mm Dia X 12mm LG	18-8 Stainless Steel	Mc Master-Carr
10	3	9712K14	BELLEVILLE DISC SPRING, .164"ID, .343" OD, 55 LBS	Spring Steel	Mc Master-Carr
9	3	GATPAL-ABA-ABE	DETECOR HOUSING FLEXURE BRACKET	6061-T6 Aluminum	MACHINED PART
8	-	91595A104	DOWEL PIN, Dia 3m6 X 8mm LG	440C Stainless Steel	Mc Master-Carr
7	8	91477A122	BELLEVILLE SPRING LOCK WASHER, M2, 2.2mm ID, 5mm OD, .4mm Thk, 18-8 SS	18-8 Stainless Steel	McMaster-Carr
6	8	91239A705	BUTTON HEAD SOCKET CAP SCREW, M2 X 0.4 X 8 L, CLASS 10.9, ALLOY STEEL, BLACK OXIDE	Alloy Steel	McMaster-Carr
5	1	GATPAL-ABA-ABD	WINDOW RETAINER	6061-T6	MACHINED PART
4	1	GATPAL-ABA-ABC	WINDOW		
3	2	GATPAL-ABA-ABB	WINDOW GASKET	Kapton Polyimide	Mc Master-Carr
2	1	9464K232	O-RING 2-232, 1/8 DIA X 2.75" ID, 70 SHORE	Viton Fluoroelastomer	Mc Master-Carr
1	1	GATPAL-ABA-ABA	INTERFACE PLATE	6061-T6	MACHINED PART
ITEM NO.	QTY	PART NUMBER	DESCRIPTION	MATERIAL	VENDOR

Notes: Unless otherwise DETAILED

1. GEOMETRY AND OTHER DETAILS NOT PROVIDED HERE SHALL BE DERIVED FROM PROVIDED 3D CAD model:
GATPAL-ABA-AB0-INTERFACE PLATE ASSEMBLY, Rev: 6
2. DERIVED DIMENSIONS SHALL ORIGINATE FROM DATUMS:

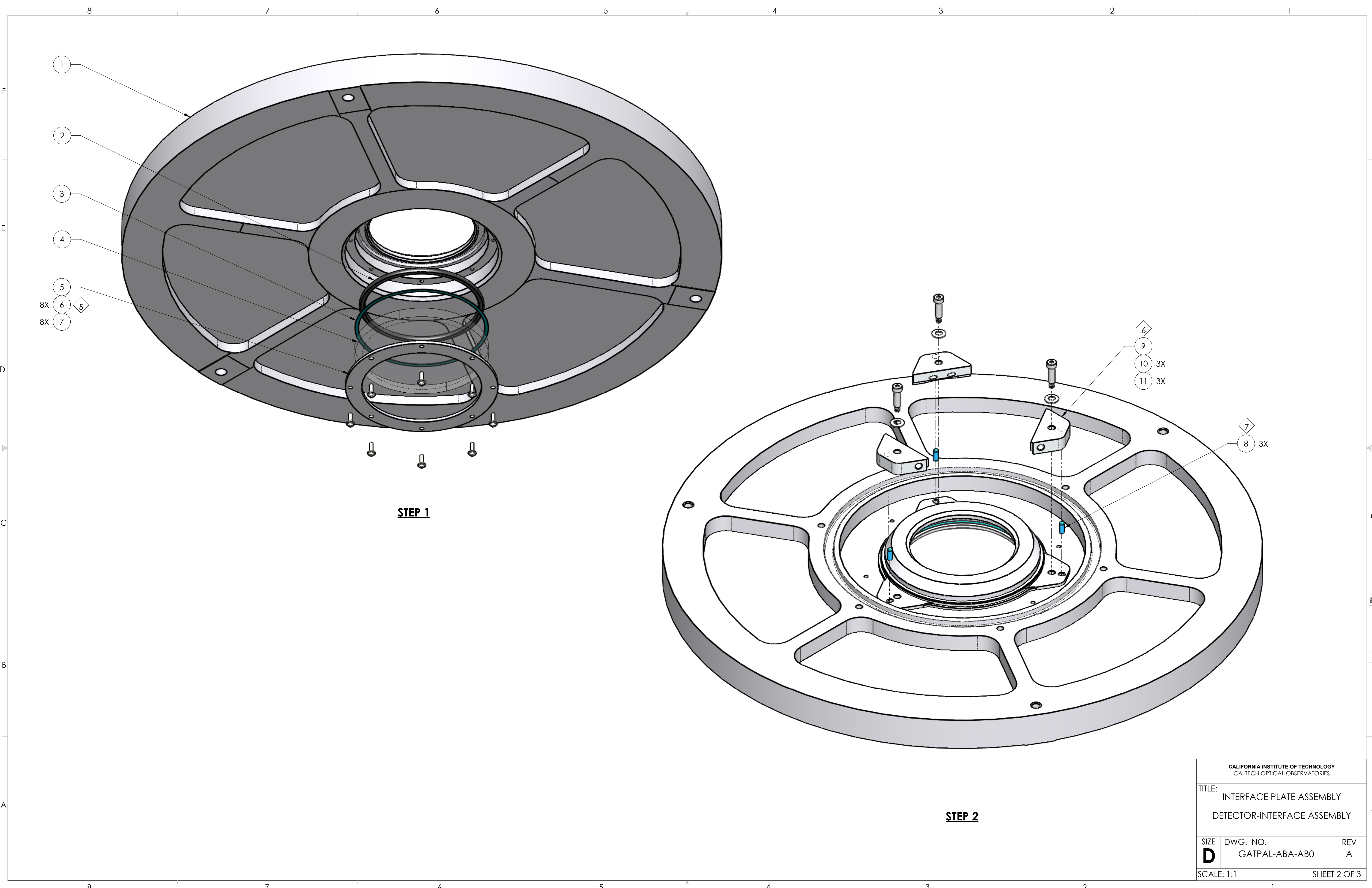
A	B	C
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3. DERIVED DIMENSIONS ARE SUBJECT TO THE TOLERANCES ON THIS SHEET.
4. 3D FILE REVISION TO BE EQUAL TO THIS 2D DRAWING.

5. TORQUE TO 0.14Nm.
6. TORQUE TO 0.32Nm.
7. PRESS DOWEL PIN ITEM 8 INTO BRACKET ITEM 9.
8. BAG AND TAG WITH PART NUMBER ABD REVISION.

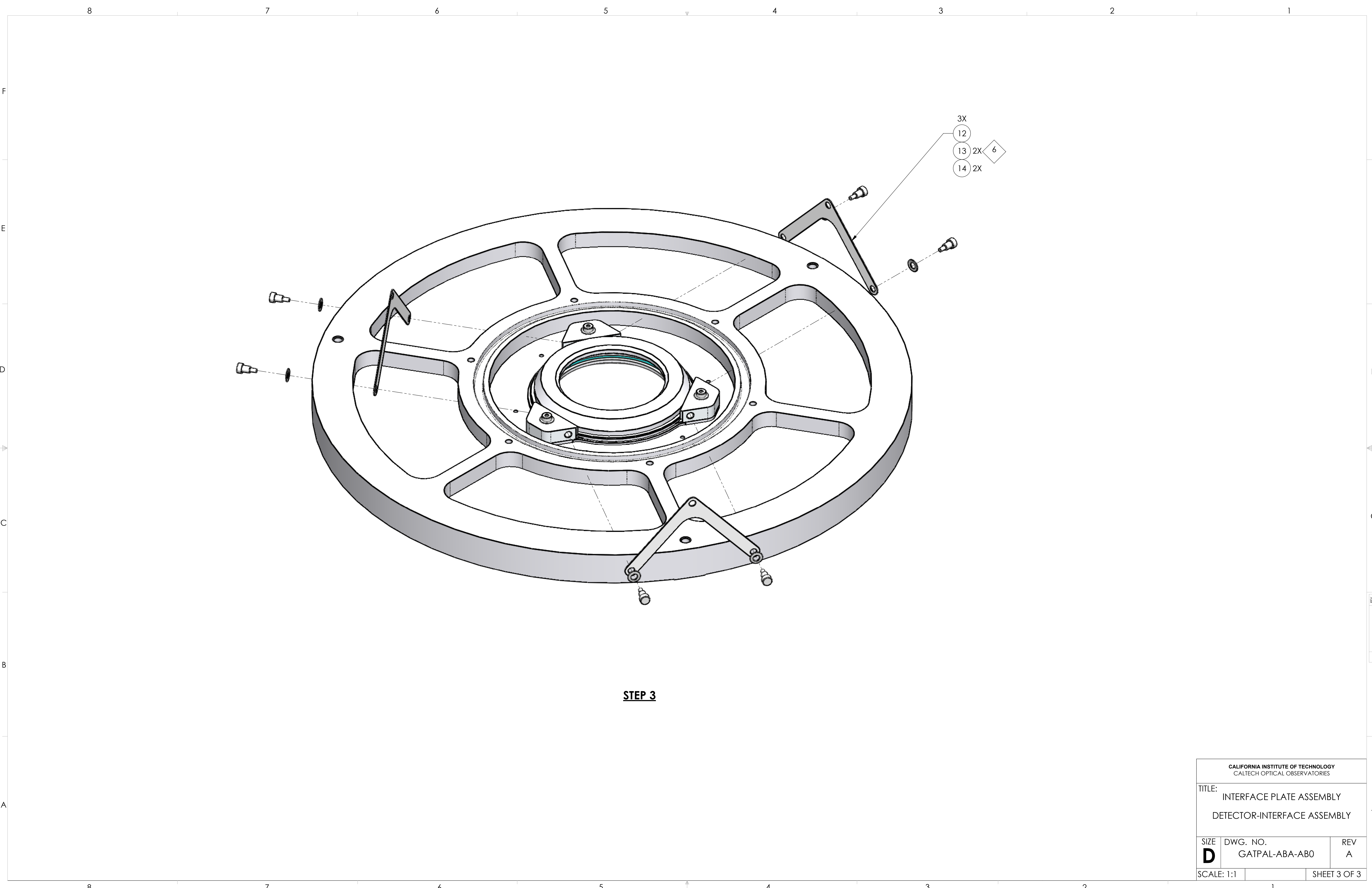
		UNLESS OTHERWISE SPECIFIED:		<table><tr><td>DATE</td><td>NAME</td></tr><tr><td>DRAWN</td><td>"Drawn Date" "Created Date"</td></tr><tr><td>ENG APPR.</td><td></td></tr><tr><td>MFG APPR.</td><td>xx/xx/2013</td></tr><tr><td colspan="2">INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.100</td></tr><tr><td colspan="2">GEOMETRIC TOLERANCING PER ASME Y14.5M-2009</td></tr><tr><td colspan="2">DO NOT SCALE DRAWING</td></tr><tr><td colspan="2">THIRD ANGLE PROJECTION</td></tr><tr><td colspan="2"></td></tr></table>		DATE	NAME	DRAWN	"Drawn Date" "Created Date"	ENG APPR.		MFG APPR.	xx/xx/2013	INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.100		GEOMETRIC TOLERANCING PER ASME Y14.5M-2009		DO NOT SCALE DRAWING		THIRD ANGLE PROJECTION				<table><tr><td colspan="3">CALIFORNIA INSTITUTE OF TECHNOLOGY CALTECH OPTICAL OBSERVATORIES</td></tr><tr><td colspan="3">TITLE: INTERFACE PLATE ASSEMBLY DETECTOR-INTERFACE ASSEMBLY</td></tr><tr><td>SIZE D</td><td>DWG. NO. GATPAL-ABA-AB0</td><td>REV A</td></tr><tr><td>SCALE: 1:2</td><td>WT: 3.17kg</td><td>SHEET 1 OF 3</td></tr></table>			CALIFORNIA INSTITUTE OF TECHNOLOGY CALTECH OPTICAL OBSERVATORIES			TITLE: INTERFACE PLATE ASSEMBLY DETECTOR-INTERFACE ASSEMBLY			SIZE D	DWG. NO. GATPAL-ABA-AB0	REV A	SCALE: 1:2	WT: 3.17kg	SHEET 1 OF 3
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		DIMENSIONS ARE IN mm MACHINED FILLET RADII: R0.4-0.7 DE-BURR AND BREAK EDGES: 0.2-0.7 RADIUS OR CHAMFER MACHINED SURFACE 1.6/0.8 ROUGHNES μm Ra $\sqrt{}$ ----- GENERAL TOLERANCES ----- LINEAR: ANGULAR: 0 - 6 ± 0.1 MACH: $\pm 0.5^\circ$ >6 - 30 ± 0.2 BEND: $\pm 1.0^\circ$ >30 - 120 ± 0.3 >120 - 315 ± 0.5 >315 - 1000 ± 0.8 >1000 ± 1.2																																				
GATPAL-ABA-A00	GATPAL																																					
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CALIFORNIA INSTITUTE OF TECHNOLOGY CALTECH OPTICAL OBSERVATORIES		
TITLE: INTERFACE PLATE ASSEMBLY DETECTOR-INTERFACE ASSEMBLY		
SIZE D	DWG. NO. GATPAL-ABA-AB0	REV A
SCALE: 1:1	1	SHEET 2 OF 3



STEP 3

CALIFORNIA INSTITUTE OF TECHNOLOGY CALTECH OPTICAL OBSERVATORIES		
TITLE: INTERFACE PLATE ASSEMBLY DETECTOR-INTERFACE ASSEMBLY		
SIZE D	DWG. NO. GATPAL-ABA-AB0	REV A
SCALE: 1:1	1	SHEET 3 OF 3

D GATPAL-ABA-AB0 REV A