



DWG. NO.		SIZE	REV.	SH.		
2501554		1	1		1	
ITEM	PART NO	REQD	DESCRIPTION		MATERIAL	
12	27A005	1	Strut Longeron Sealing Cap		Aluminum 6061-T6	
11	250182	1	Longeron Tube Sleeve		PEEK	
10	250181	1	Strut Longeron Tube Transtorg Adapter		Al 6061-T6	
9	250180	1	Strut Longeron Tube Mount Bushing		Al 6061-T6	
8	250179	1	Strut Longeron Tube, 20 MM Diameter		P30 1KT PW / YSH80 UDT EX1515	
7	250178	1	Longeron Stabilizer Bracket		Aluminum 6061-T6	
6	250176	1	Longeron Support Attachment, Barrel End Type		Al 6061-T6	
5	250175	1	Main Longeron Tube, 20 mm Diameter		P30 1KT PW / YSH80 UDT EX1515	
4	250142	2	Longeron Attachment, In-Line Tooling Ball Halfshell		Al 6061-T6	
3	250141	2	Longeron Attachment, In-Line Keeper Halfshell		Al 6061-T6	
2		3	Valtrainc 826807 6MM Diameter Tooling Ball			
1		1	Transtorg 6202660 6MM ID/16 MM OD			

					UNLESS OTHERWISE SPECIFIED			SHOP ORDERS			SER NO. - DATE ISSD - DATE REQD -		<div>ERNEST ORLANDO LAWRENCE BERKELEY NATIONAL LABORATORY UNIVERSITY OF CALIFORNIA - BERKELEY</div> <div>ATLAS PIXEL DETECTOR BEAM PIPE AND SERVICES SUPPORT Beampipe Support Longeron Assembly</div>									
					TOLERANCES	X.X ± 0.5	FRAC. ± 1/64	ACCT NO.	NO. REQD 8	DATE												
						X.XX ± 0.05	Angles ± 1.00°	DEL TO	E Anderssen	DATE												
						X.XXX ± 0.010	FINISH 125/320	SURFACE TREATMT	IDENT METROD TAG	DATE												
					DO NOT SCALE PRINT			PROJECT NUMBER			(1/4"=1')											
					THREADS ARE CLASS 2			PROJECT NAME														
					CHAMFER ENDS OF ALL SCREW TRENDS 30°			DWG BY D Uken			DATE 05-Sep-03											
					CUT ROUND, 1.5 THREAD RELIEF ON MACHINED THREADS			CHK BY N Hariman			DATE											
					BREAK EDGES .016 MAX. ON MACHINED WORK			APR BY E Anderssen			DATE											
					REMOVE BURRS, WELD SPLATTER & LOOSE SCALE																	
					IN ACCORDANCE WITH ASME Y14.5M & B46.1																	
REV	DWG	CHK	ZONE	DATE	CHANGES						PATENT CLEAR:		DESIGN ACCT. NO. See WebJO		CATEGORY CODE API000		DWG. NO. 2501554		SIZE 1		REV. 1	