



DWG. NO.		SIZE	REV.	SH.		
250154		1	1		1	
ITEM	PART NO	REQD	DESCRIPTION		MATERIAL	
9	250155	4	Beampipe Support Longeron Assembly			
8	250154	1	Beampipe Support Cruciform, Forward Position			
7	250153	1	Beampipe Support Cruciform, Middle Position			
6	250152	1	Beampipe Support Cruciform, Barrel End			
5	250051	2	Position Mechanism			
4	250040	2	Tension Mechanism			
3		4	Socket Head Cap Screw M6-1 by 30MM LG		Steel	
2		24	Socket Head Cap Screw M3-.5 X 8MM LG		Steel	
1		4	Flat Washer M6		Steel	

ASSEMBLY NOTE:

1. EACH LONGERON ASSY (ITEM 9) IS ATTACHED BY A PAIR OF M3-.5 X 8MM LG SCREWS TO EACH CRUCIFORM SUPPORT (ITEMS 6-8)
2. AS SHOWN IN DETAIL A, AN ADDITIONAL ATTACHMENT IS MADE WITH AN M6-1 X 30 MM LG SCREW AND M6 WASHER (ITEMS 1 AND 3) THRU THE FORWARD CRUCIFORM TO THE STRUT LONGERON MOUNT BUSHING (250180.PRT)

NOTE: QTY 1

					UNLESS OTHERWISE SPECIFIED		SHOP ORDERS		SER NO. -		<div>ERNEST ORLANDO LAWRENCE BERKELEY NATIONAL LABORATORY</div> <div>UNIVERSITY OF CALIFORNIA - BERKELEY</div> <div>ATLAS PIXEL DETECTOR BEAM PIPE AND SERVICES SUPPORT Main Assembly Side C</div>							
					X.X ± 0.25		ACCT NO.		NO. REQD 1						DATE ISSD -		DATE REQD -	
					X.XX ± 0.10		DEL TO		E Anderssen									
					X.XXX ± 0.05		FINISH 125/32		SURFACE TREATMT									
					DO NOT SCALE PRINT				IDENT METHOD TAG									
					THREADS ARE CLASS 2				PROJECT NUMBER									
					CHAMFER ENDS OF ALL SCREW THREADS 30°				PROJECT NAME									
					CUT ROUND, 1.5 THREAD RELIEF ON MACHINED THREADS				DWG BY D Uken		DATE 05-Sep-03							
					BREAK EDGES .016 MAX. ON MACHINED WORK				CHK BY N Hariman		DATE							
					REMOVE BURRS, WELD SPLATTER & LOOSE SCALE				APR BY E Anderssen		DATE							
					IN ACCORDANCE WITH ASME Y14.5M & B46.1													
REV	DWG	CHK	ZONE	DATE	CHANGES													