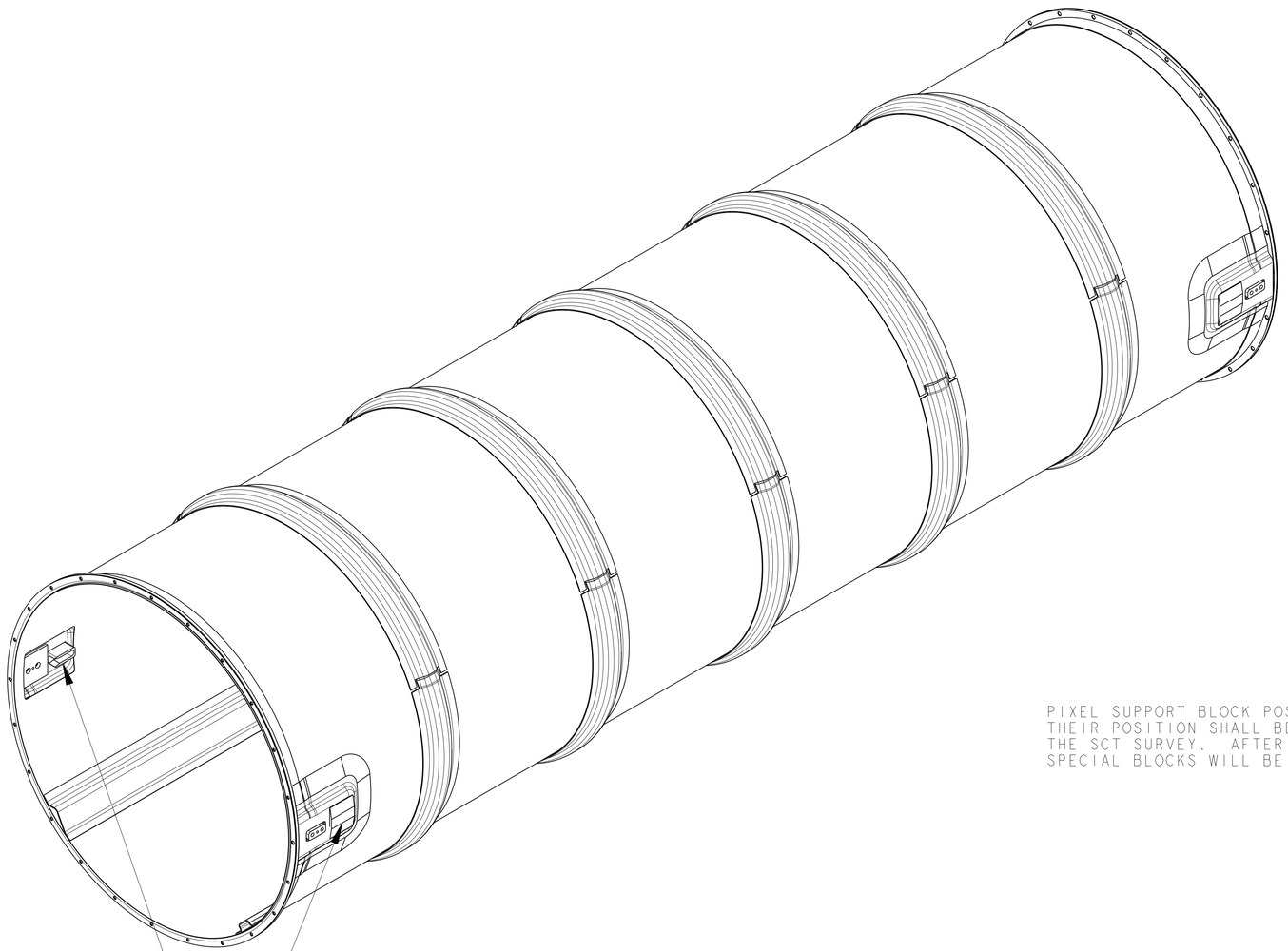
DWG. NO.	SIZE	REV.	SH.
2501114			1

ITEM	PART NO	REQD	DESCRIPTION	MATERIAL
8	250130	4	PIXEL MOUNT BLOCK GENERIC	Ti 6Al4V
7	250119	4	PST FLEXURE MOUNT BLOCK	-
6	250117	1	BARREL SHELL LAMINATE	
5	250115	1	FLAT RAIL BARREL	P30 EX1515
4	250113	1	VEE RAIL BARREL	-
3	250104	5	HAT HOOP STIFFENER ARRAY OF THREE	-
2	250099	4	MOUNT PAD	CN60 EX1515
1	250024	2	BARREL FLANGE ASSEMBLY	



SCALE 3/10

PIXEL SUPPORT BLOCK POSITIONS ARE DEFINED RELATIVE TO TRANSFERRED SCT MOUNT INFORMATION
THEIR POSITION SHALL BE PLACED RELATIVE TO 'NOMINAL BEAM AXIS' AS DEFINED BY
THE SCT SURVEY. AFTER TRANSFER AND SURVEY OF THE SCT MOUNT BLOCKS IN THE PST BOND JIG
SPECIAL BLOCKS WILL BE MACHINED FOR THE JIG TO PLACE PIXEL SUPPORT BLOCKS INTO POSITION

REV	DWG	CHK	ZONE	DATE	CHANGES

UNLESS OTHERWISE SPECIFIED

TOLERANCES:
X.X ± 0.1 | FRAC. ± 1/64
X.XX ± 0.03 | Angles ± 0.25°
X.XXX ± 0.015 | FINISH 125 µinch

DO NOT SCALE PRINT

THREADS ARE CLASS 2
CHAMFER ENDS OF ALL SCREW TREADS 30°
CUT ROUND, 1.5 THREAD RELIEF ON MACHINED THREADS
BREAK EDGES .016 MAX. ON MACHINED WORK
REMOVE BURRS, WELD SPLATTER & LOOSE SCALE
IN ACCORDANCE WITH ASME Y14.5M & B46.1

SHOP ORDERS

SER NO.	-		
ACCT NO.	NO. REQD	DATE ISSD	-
DEL TO		DATE REQD	-
SURFACE TREATMT			
IDENT METHOD	TAG		
PROJECT NUMBER	ATLIP-ED-XXXX		
PROJECT NAME	US ATLAS SILICON SUBSYSTEM		
DWG BY	HARTMAN	DATE	15-Feb-03
CHK BY		DATE	
APR BY	GILCHRIESE	DATE	

US ATLAS SILICON SUBSYSTEM Project

ERNEST ORLANDO LAWRENCE
BERKELEY NATIONAL LABORATORY
UNIVERSITY OF CALIFORNIA - BERKELEY

ATLAS PIXEL DETECTOR
PIXEL SUPPORT TUBE
BARREL SHELL WITH PIXEL MOUNTS

MICROFILMED:	DWG. TYPE	SHOWN ON	SCALE: 1/10	DO NOT SCALE PRINTS
	ASSEM		SHEET 1 OF 1	
PATENT CLEAR:	DESIGN ACCT. NO.	CATEGORY CODE	DWG. NO.	SIZE / REV.
	PIAP11	AP6300	2501114	

C:\Pix_PSD\Tube_Assy_PSD11.dwg