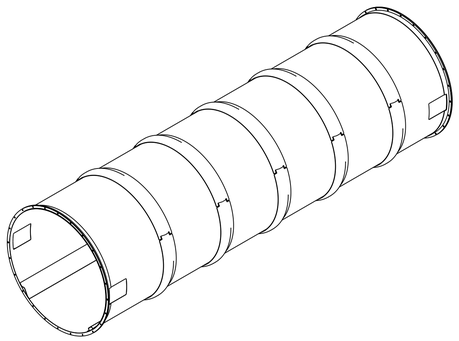
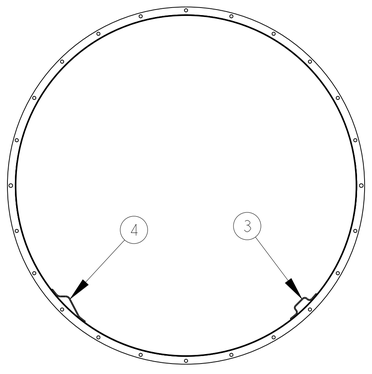
DWG. NO.	SIZE	REV.	SH.
2501084			1

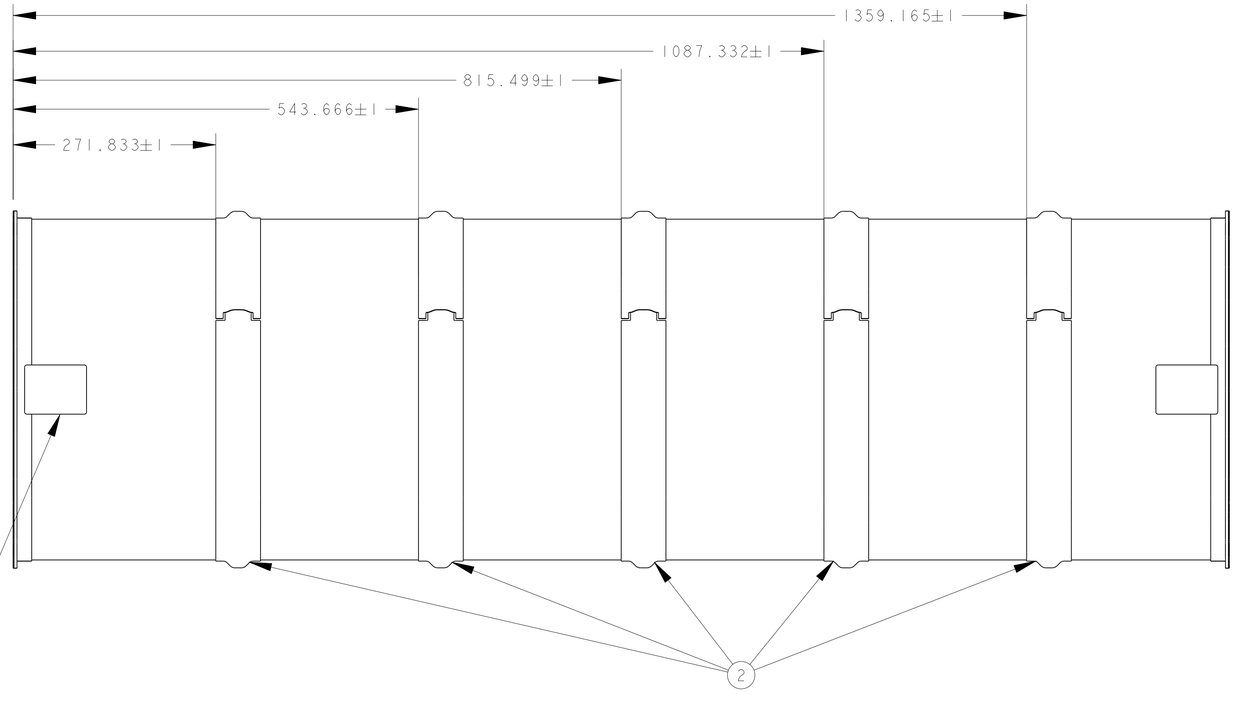
ITEM	PART NO	REQD	DESCRIPTION	MATERIAL
5	250117	1	BARREL SHELL LAMINATE	
4	250115	1	FLAT RAIL BARREL	P30 EX1515
3	250113	1	VEE RAIL BARREL	-
2	250104	5	HAT HOOP STIFFENER ARRAY OF THREE	-
1	250024	2	BARREL FLANGE ASSEMBLY	

ITEMS 1 AND 5 ARE ASSEMBLED IN A PRIOR STEP--SEE LBL DWG #250107



SCALE 1/10





NOTE: HOLES CUT IN LATER OPERATION
SEE LBL DWG #250109

ITEMS 2, 3, 4, 5 ARE ADDED TO 250107 IN THIS OPERATION
ITEMS 2 ARE BONDED IN PLACE WITH FIXTURES WHICH REGISTER TO THE BOND JIIG
ITEMS 4, 5 (RAILS) ARE BONDED IN WITH A COMMON FIXTURE WHICH REGISTERS TO THE BOND JIG
ITEMS 3 (HOOP STIFFENERS) ARE BONDED IN BY HAND MEASURED FROM THE BOND JIIG

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

ACCT NO.	NO. REQD	SER NO.	-
DEL TO		DATE ISSD	-
SURFACE TREATMT		DATE REQD	-
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 STRUCTURAL SHELL

MICROFILMED:	DWG. TYPE	SHOWN ON	SCALE: 1/4	DO NOT SCALE PRINTS
	ASSEM		SHEET 1 OF 1	
PATENT CLEAR:	DESIGN ACCT. NO.	CATEGORY CODE	DWG. NO.	SIZE / REV.
	PIAPII	AP6300	2501084	

Dwg. File: 2501084_Model_File: 250109