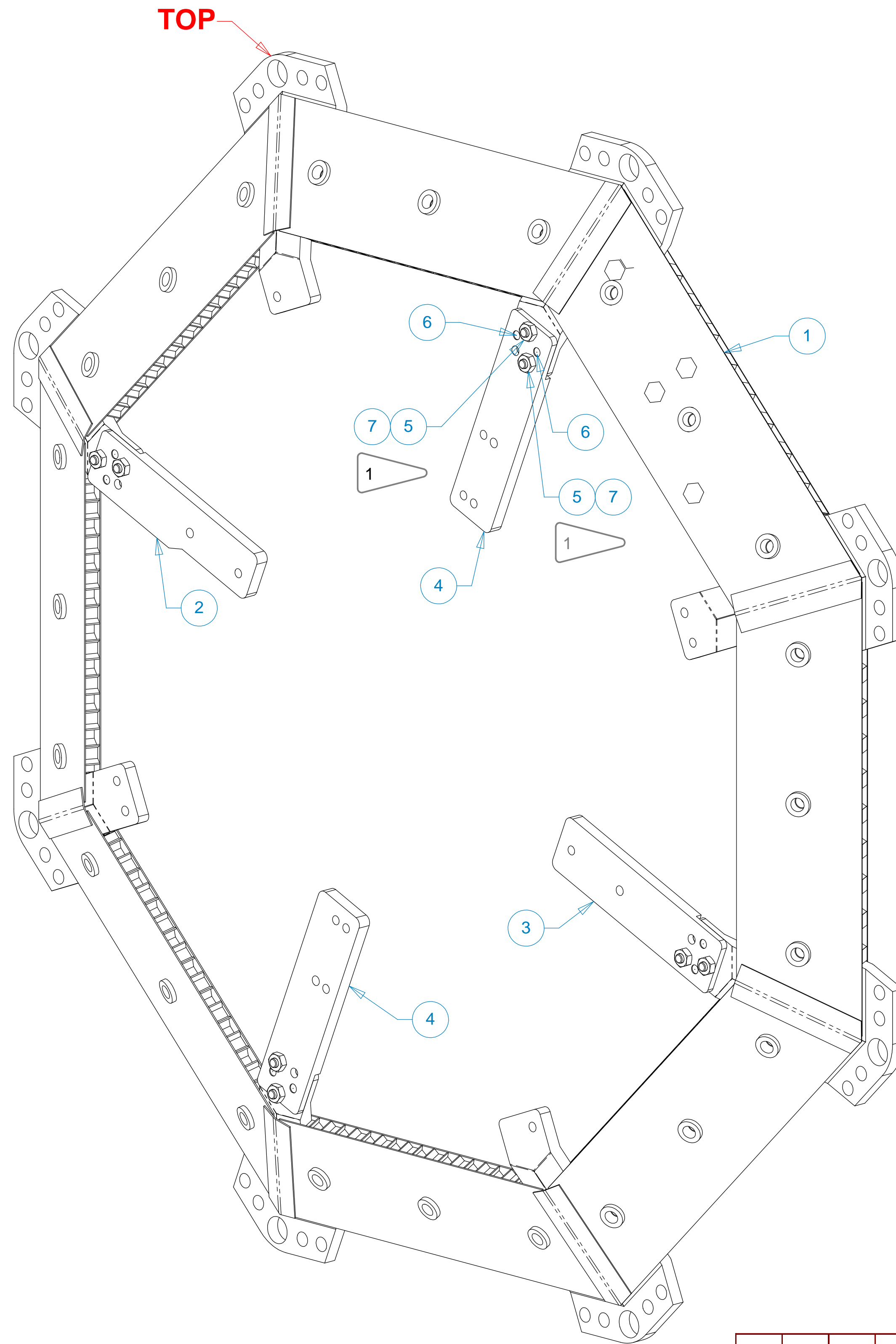


	DWG. NO. 21F734	SIZE A	REV. 1	SH. 1	
ITEM	PART NO.	QTY	DESCRIPTION	MATERIAL	
1	21F736	1	Flat Panel Assembly		
2	21F738	1	Inner Vertex One Hole with Notch		
3	21F739	2	Inner Vertex One Hole		
4	21F740	1	Inner Vertex Two Hole		
5	21F741-2	8	Composite Screw, M3 X 8.0 lg		
6	21F741-1	8	Taper Pin, 3 X 6.0 lg		
7	21F741-3	8	Composite Nut, M3		



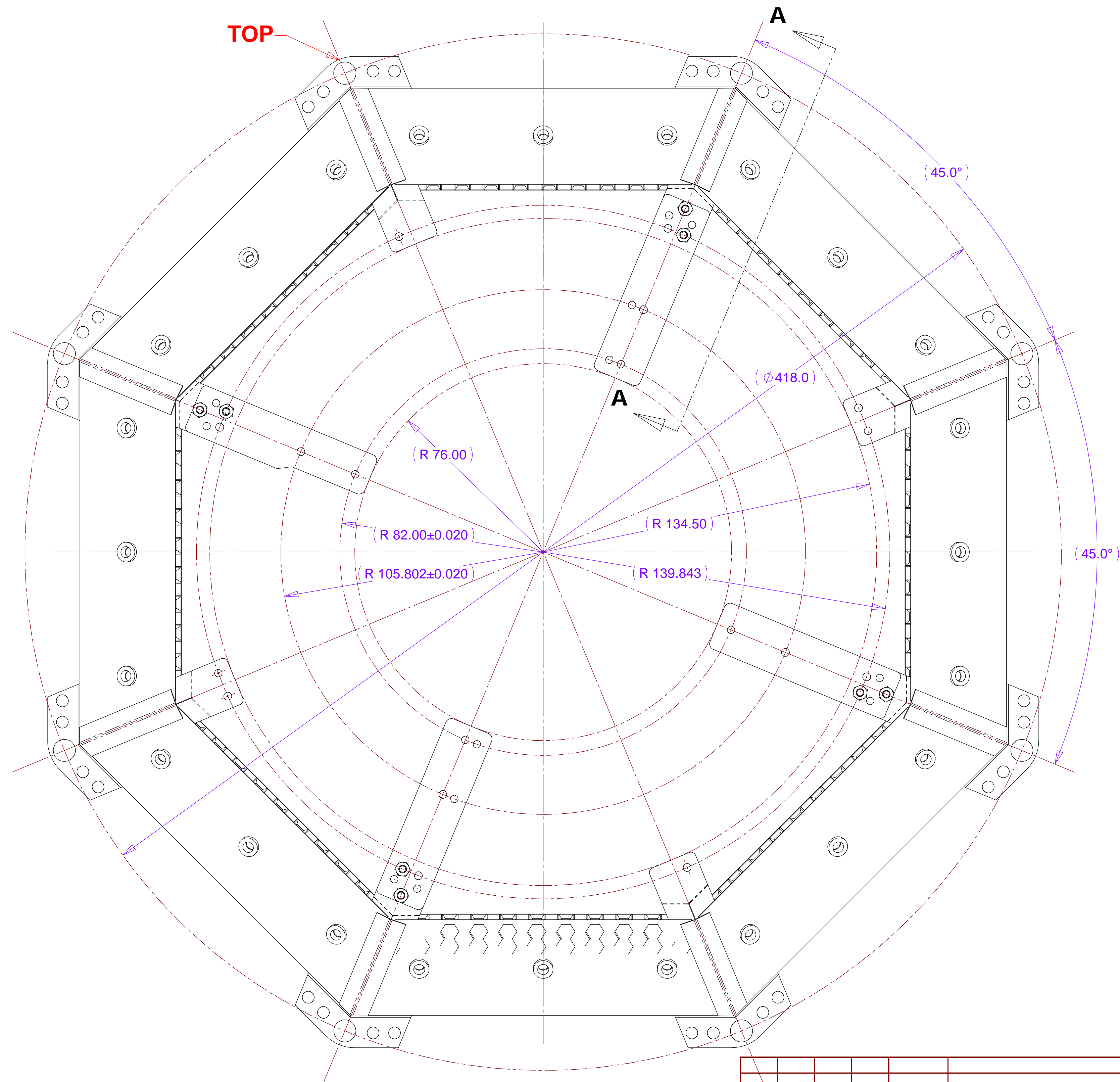
1 ADHESIVE BOND UNDER HEAD OF SCREW, ITEM 5, AT TIME OF ASSEMBLY

		A3			01/17/03	Item 6 now Composite material
		A2			01/17/03	Added item 7
		A1			01/17/03	Item 4 was Soc Hd Sc, M3 X 5.0 lg
		REV	DWG	CHK	ZONE	DATE

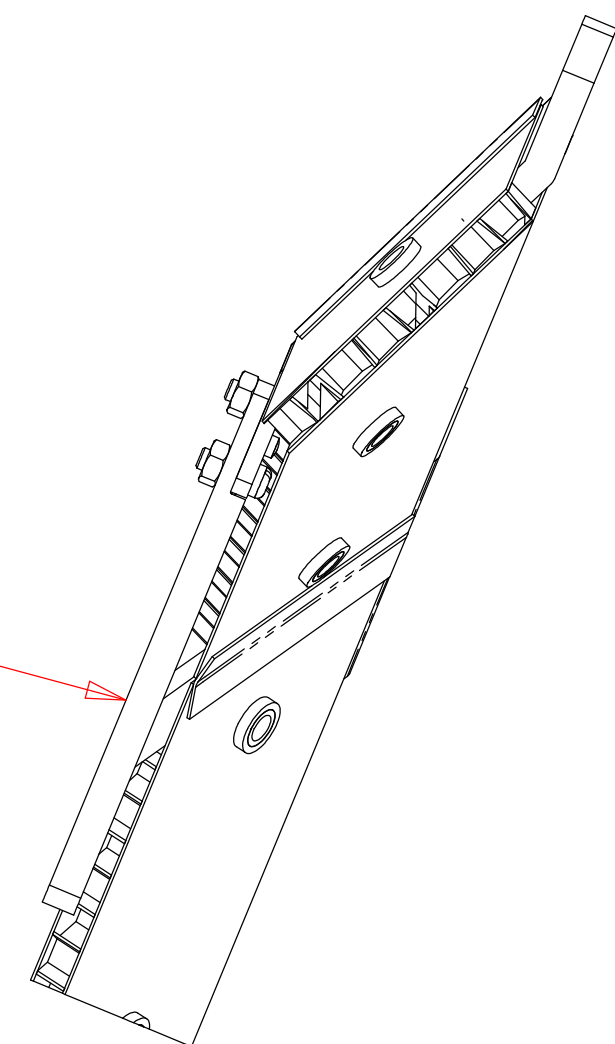
UNLESS OTHERWISE SPECIFIED		SHOP ORDERS		SER NO.	ERNEST ORLANDO LAWRENCE BERKELEY NATIONAL LABORATORY UNIVERSITY OF CALIFORNIA - BERKELEY	
TOLERANCES	X.X ± 0.5	FRAC. ± 1/64	ACCT NO.	NO. REQD	DATE ISSD	
	X.XX ± 0.25	ANGLES ± 30'	DEL TO	DATE TO	DATE REQD	
	X.XXX ± 0.013	FINISH 1.6	SURFACE TREATMENT			
	DO NOT SCALE PRINT		IDEN METHOD TAG			
THREADS ARE CLASS 2		PROJECT NUMBER	ATL-IP-ED-XXXX		USE FOR SCALE BASED OFF OF 1:1000	
CHAMFER ENDS OF ALL SCREW THREADS 30°		PROJECT NAME	US ATLAS SILICONE SUBSYSTEM		MICROFILMED:	
CUT ROUND, 1.5 THREAD RELIEF ON MACHINED THREADS		DWG BY	Roger Smith		DATE 04/15/2002	DWG. TYPE
BREAK EDGES .016 MAX. ON MACHINED WORK		CHK BY	CKD BY		DATE 04/15/2002	SHOWN ON
REMOVE BURRS, WELD SPATTER & LOOSE SCALE		APR	APPROVED		DATE 04/15/2002	PATENT CLEAR:
IN ACCORDANCE WITH ASME Y14.5m & B46.1						DESIGN ACCT. NO.
						CATEGORY CODE
						DWG. NO.
						SIZE
						REV.

SCALE: 1:1		DO NOT SCALE PRINTS	
SHEET 1 OF 2			

DWG. NO. 21F734		SIZE A	REV. 2	1	
ITEM	PART NO	REQD	DESCRIPTION		MATERIAL

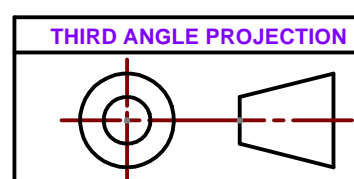


4 SURFACES



SECTION A-A

1 DIMENSIONS AND TOLERANCES ARE "AS BONDED AND REFERENCE", AND ARE TO BE OBTAINED USING BONDING FIXTURES DURING ASSEMBLY ONLY. NO MACHINING ALLOWED WITHOUT PRIOR APPROVAL.



A3				01/17/03	Item 6 now Composite material
A2				01/17/03	Added item 7
A1				01/17/03	Item 4 was Soc Hd Sc, M3 X 5.0 lg
REV	DWG	CHK	ZONE	DATE	CHANGES

UNLESS OTHERWISE SPECIFIED	
TOLERANCES	
X.X ± 0.5	FRAC. ± 1/64
X.XX ± 0.25	ANGLES ± 30'
X.XXXX ± 0.013	FINISH 1.6

DO NOT SCALE PRINT

THREADS ARE CLASS 2

CHAMFER ENDS OF ALL SCREW THREADS 30°

CUT ROUND, 1.5 THREAD RELIEF ON MACHINED THREADS

BREAK EDGES .016 MAX. ON MACHINED WORK

REMOVE BURRS, WELD SPATTER & LOOSE SCALE

IN ACCORDANCE WITH ASME Y14.5 & B46.1

SHOP ORDERS	
ACCT NO.	NO. REQD
DEL TO	
SURFACE TREATMENT	
IDEN METHOD	TAG
PROJECT NUMBER	ATL-IP-ED-XXXX
PROJECT NAME	US ATLAS SILICON
DWG BY	Roger Smith
CHK BY	CKD BY
APR	APPROVED

SER NO.	
DATE ISSD	
DATE REQD	
US ATLAS SUCCON SUBSYSTEM 6.0003	
E SUBSYSTEM	
DATE	04/15/2002
DATE	04/15/2002
DATE	04/15/2002

ERNEST ORLANDO LAWRENCE
BERKELEY NATIONAL LABORATORY
UNIVERSITY OF CALIFORNIA - BERKELEY

LBNL ATLAS
C SIDE END CONE ASSEMBLY

MICROFILMED:	DWG. TYPE ASSEM	SHOWN ON nnXnnn	SCALE: 1:1	DO NOT SCALE PRINTS	
			SHEET 2 OF 2		
PATENT CLEAR:	DESIGN ACCT. NO. P1AP-11	CATEGORY CIDE AP6250	DWG. NO. 21F734	SIZE	REV. A