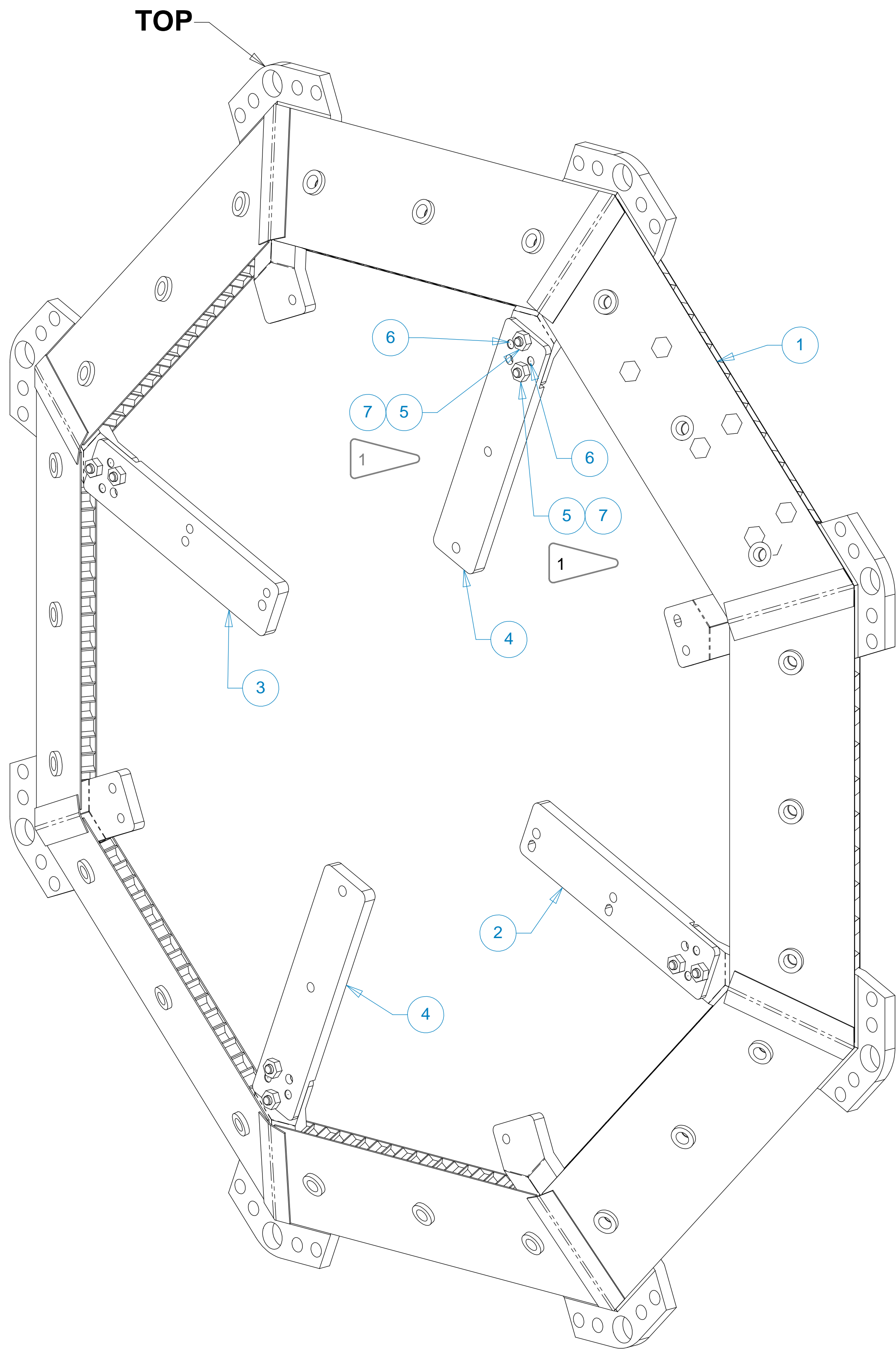



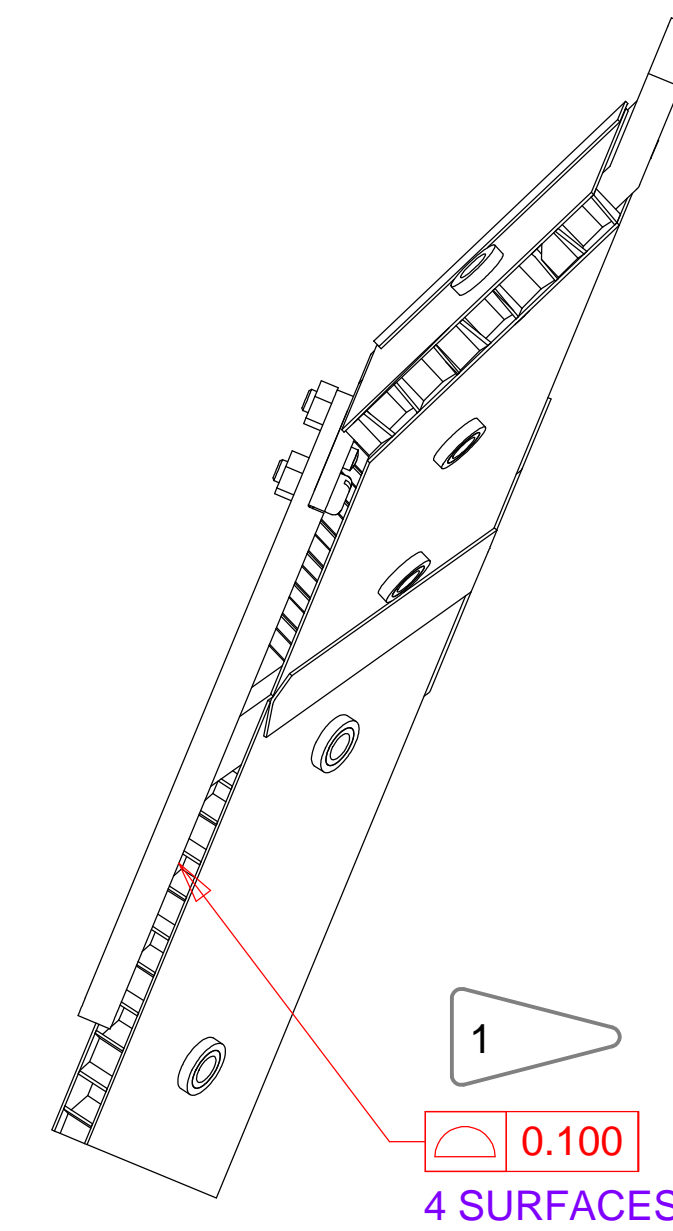
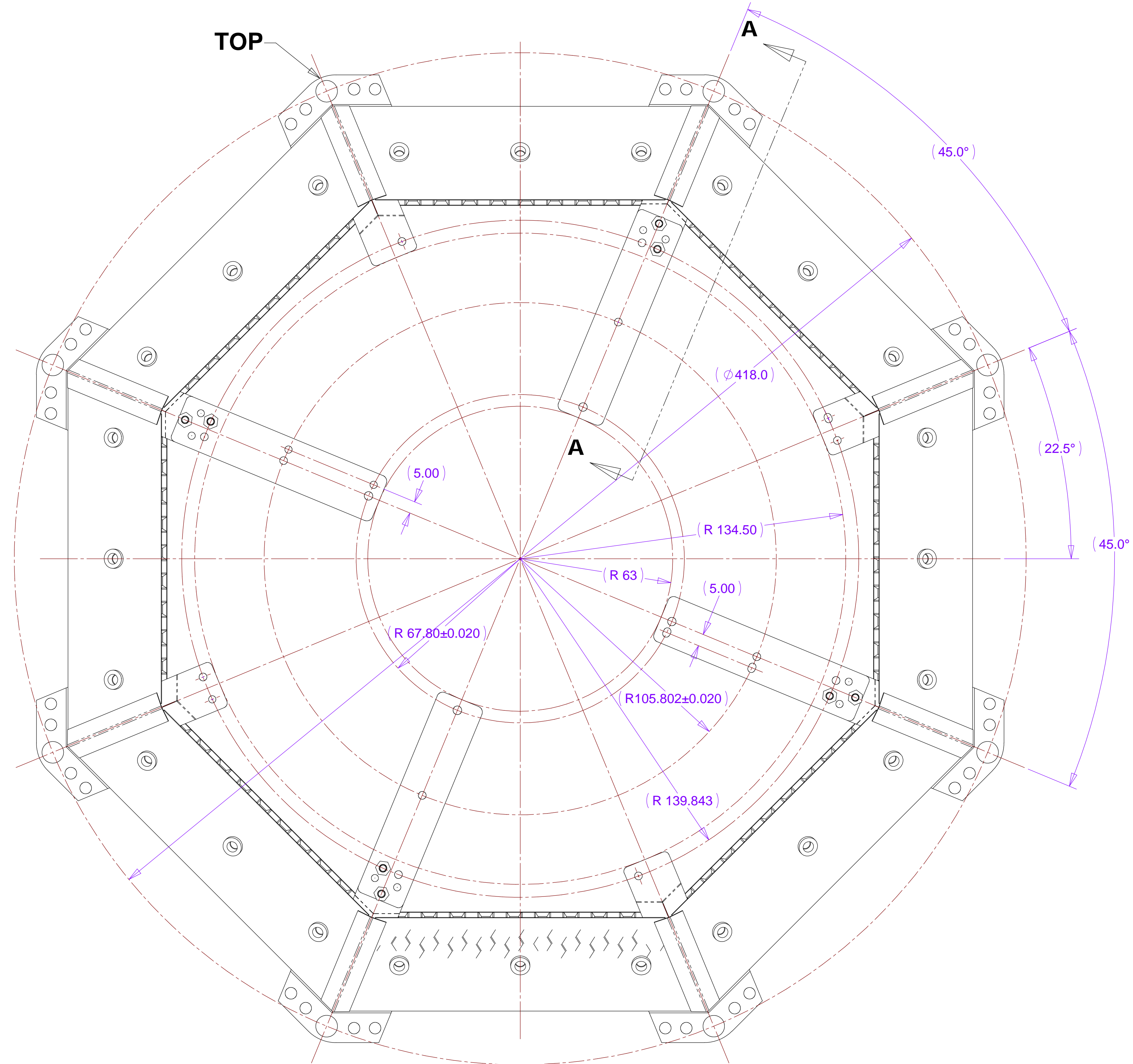
DWG. NO.		SIZE	REV.	SH.	1
21F720		A	1		
ITEM	PART NO.	QTY	DESCRIPTION		MATERIAL
1	21F721	1	Flat Panel Assembly		
2	21F731	1	Inner Vertex Inline Holes & Slots		
3	21F732	1	Inner Vertex Inline Holes & Pinholes		
4	21F733	2	Inner Vertex Inline Holes		
5	21F741-2	8	Composite Screw, M3 X 8.0 Ig		
6	21F741-1	8	Taper Pin, 3 X 6.0 Ig		
7	21F741-3	8	Composite Nut, M3		



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

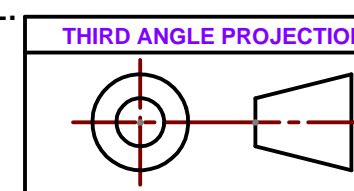
										UNLESS OTHERWISE SPECIFIED		SHOP ORDERS		SER NO.	ERNEST ORLANDO LAWRENCE					
										TOLERANCES	X.X ± 0.5	FRAC. ± 1/64	ACCT NO.	NO. REQD	DATE ISSD	DATE REQD			BERKELEY NATIONAL LABORATORY	
											X.XX ± 0.25	ANGLES ± 30'	TO	DEL					UNIVERSITY OF CALIFORNIA - BERKELEY	
											X.XXX ± 0.013	FINISH 1.6		SURFACE TREATMENT						
													IDENT METHOD TAG							
													PROJECT NUMBER	ATL-IP-ED-XXXX						
													PROJECT NAME	US ATLAS SILICONE SUBSYSTEM						
													DWG BY	Roger Smith	DATE 04/15/2002					
													CHK BY	CKD BY	DATE 04/15/2002					
													APR	APPROVED	DATE 04/15/2002					

ITEM	PART NO	REQD	DESCRIPTION	MATERIAL



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 5 was Soc Hd Sc, M3 X 5.0 Ig
REV	DWG	CHK	ZONE	DATE	CHANGES

UNLESS OTHERWISE SPECIFIED	
X.X ± 0.5	FRAC. ± 1/64
X.XX ± 0.25	ANGLES ± 30'
X.XXX ± 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 Y14.5m & 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
\$ DWN	Roger Smith
CHK BY	CKD BY
APR BY	APPROVED

SER NO.	
DATE ISSD	
DATE REQD	
US ATLAS SLICON SUBSYSTEM (5000)	
NE 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 A SIDE END CONE ASSEMBLY

MICROFILMED:	DWG. TYPE <b>ASSEM</b>	SHOWN ON <b>nnXnnn</b>	SCALE: <b>1:1</b>	DO NOT SCALE PRINTS	
			<b>SHEET 2 OF 2</b>		
PATENT CLEAR:	DESIGN ACCT. NO. <b>P1AP-11</b>	CATEGORY CIDE <b>AP6250</b>	DWG. NO. <b>21F720</b>	SIZE	REV. <b>A</b>