

REVISIONS					
REV	ZONE	ECN NO.	DESCRIPTION	BY	DATE
A			INITIAL RELEASE	PAH	03/28/98
B		00341, 342 AS PER ECNS		JCH	01/17/98
				SN	01/17/98
				SN	01/17/98

NOTES:

1. BEAMPIPE ASSEMBLY & ALL SUB-ASSEMBLIES, WELDED JOINTS, AND BRAZE JOINTS TO CONFORM TO SPECIFICATION RHIC-CR-E-4403-112.

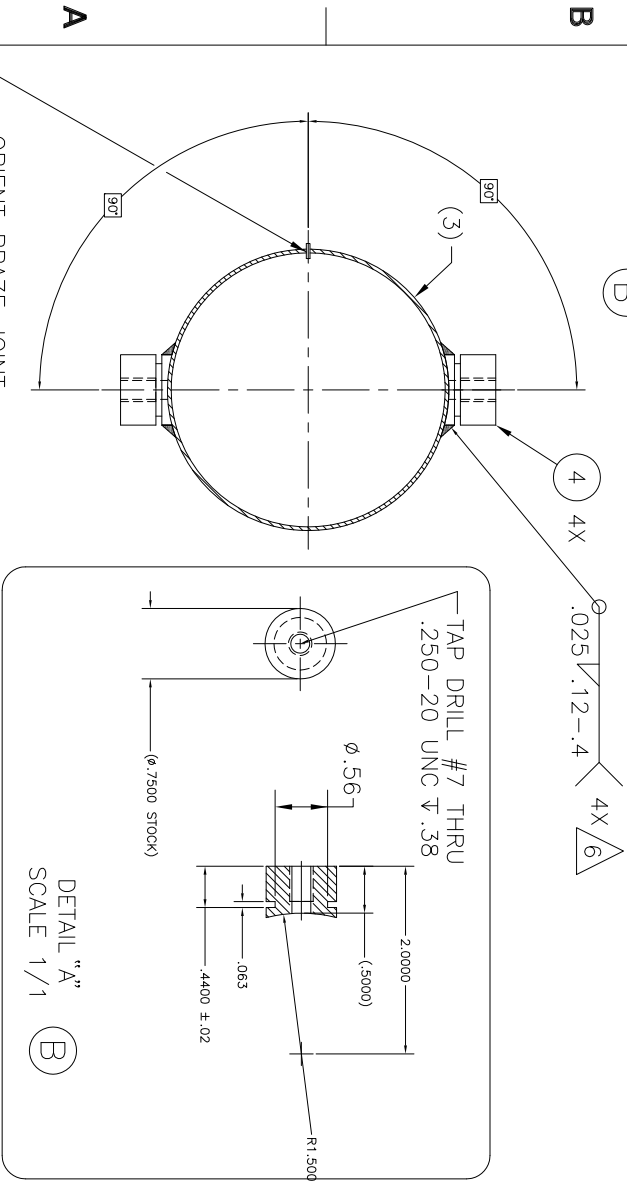
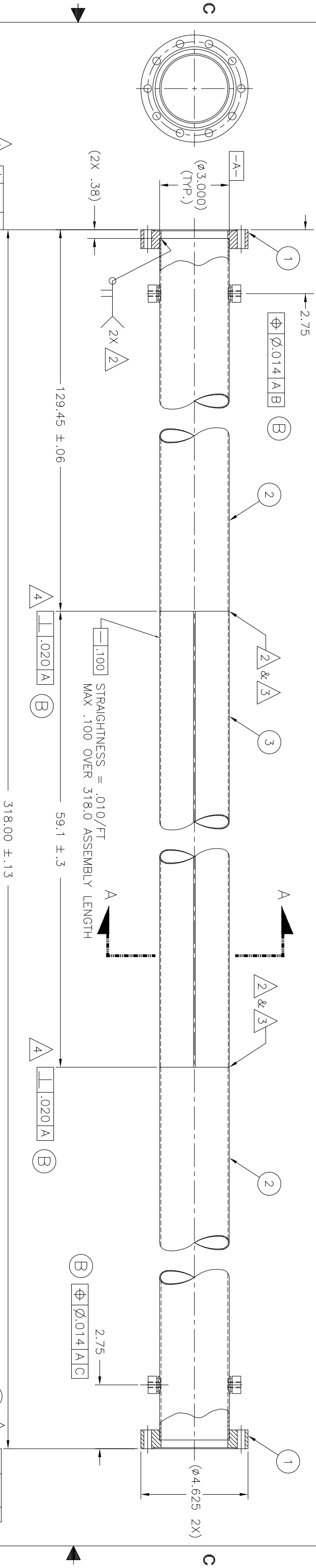
2. BEAM TUBE ASSEMBLIES, INCLUDING ALL WELDS & BRAZE JOINTS SHALL BE LEAK TIGHT EQUAL TO OR LESS THAN 1 x 10⁻¹⁰ STD cc He/Sec.

3. BERYLLIUM TO ALUMINUM JOINTS TO BE MADE AS SHOWN ON DRAWING 44035010. SEE DETAIL "B".

4. PERPENDICULARITY IS TYPICAL FOR BOTH ENDS FOR THE LAST 12" OF TUBE ENDS.

5. TAG IN ACCORDANCE WITH MIL-STD-130.

6. DEPTH OF PENETRATION LIMITED. DO NOT MELT THROUGH ITEM 2.



ORIGINAL STAR BEAMPIPE

4	4		ALUMINUM, ROUND, 6061-T6, φ.75 STOCK	SEE DETAIL "A"
1	3		BERYLLIUM TUBE, φ3.000 O.D. X .040 ±.005 WALL THK.	
2	2		ALUMINUM, TUBE, 6061-T6, φ3.000 O.D. X .049 ±.005 WALL THK.	
2	1		FLANGE, NON-ROTATABLE, φ4.625 (OR EQUIV.) ALUMINUM(6061-T6) TO STAINLESS STEEL(316L) ATLAS TECH INC, MUST BE DIMENSIONALLY THE SAME AS CONFLAT SST FLANGE	

QUANTITY	ITEM NO.	PART NUMBER	DESCRIPTION	REMARKS
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BILL OF MATERIALS				
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OUTSTANDING WORK NUMBERS		INTERPRET IN GENERAL ACCORDANCE WITH ASME Y14.24M-1989		BROOKHAVEN NATIONAL LABORATORY UPTON, N.Y. 11973	
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UNLESS OTHERWISE SPECIFIED		DIMENSIONS ARE IN INCHES		TOLERANCES	
XX ± .02		XX ± .06		XX ± .02	
ANGULAR TOLERANCE ± 1°		BREAK SHARP EDGES		MAX. 0.3 MIN. 0.15	

APPROVAL		SIGNED		DATE	
S. KANE		P. A. HELIG		03/27/98	
J. R. MILLER		J. T. KOEHLER		03/25/98	
D. HSEUH		A. ARNO III		03/25/98	
I. R. MILLER		W. EDWARDS		03/27/98	
S. KANE		D. HSEUH		03/27/98	
S. KANE		I. R. MILLER		03/27/98	
S. KANE		J. T. KOEHLER		03/25/98	
S. KANE		P. A. HELIG		03/27/98	

DRAWING NUMBER:		44035009		REV. B	
SCALE: 1/2		WEIGHT: NA		SHEET 1 OF 1	