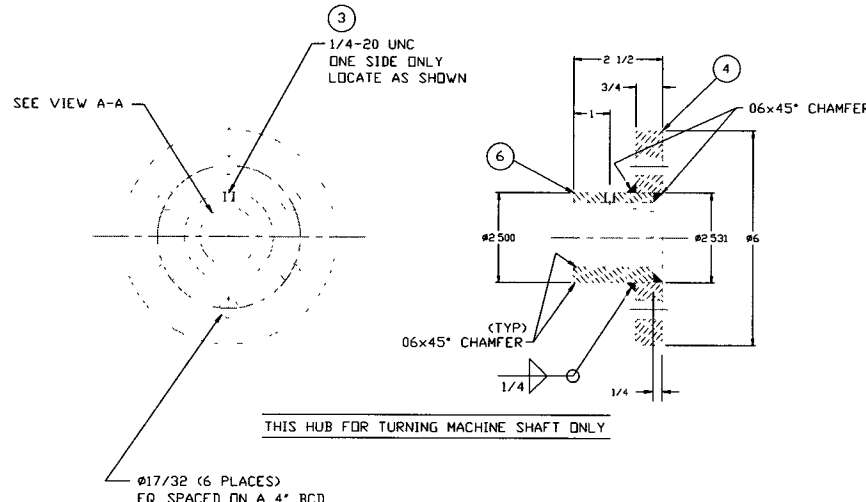
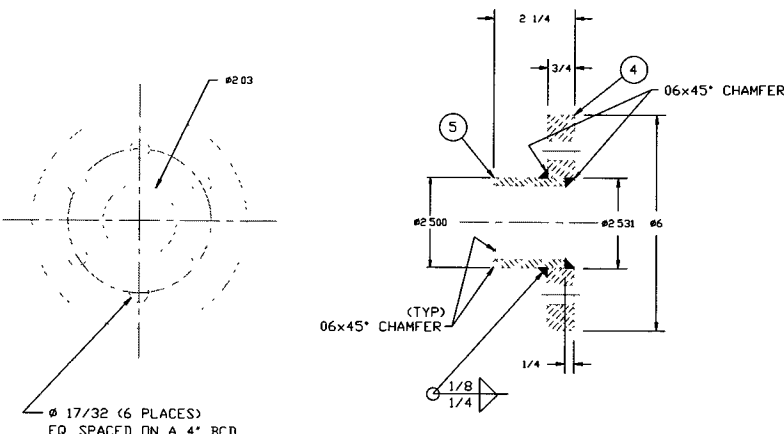


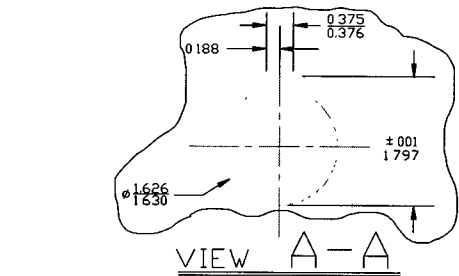
DETAIL '1'  
QTY: 1



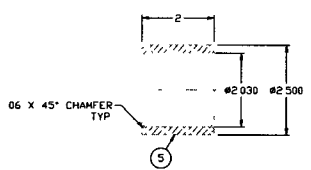
DETAIL '3'  
QTY: 1



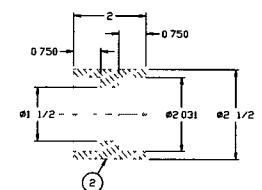
DETAIL '2'  
QTY: 2



VIEW A-A



DETAIL '6'  
QTY: 2



DETAIL '7'  
QTY: 1

ITEM	PART NUMBER	SUFFIX	QTY	UN	DESCRIPTION	MATL
1			2	EA	JQINT, UNIVERSAL, CHCM/CARR #6443K4B)	304
2			1	EA	BAR, ROUND, 2 1/2" DIA x 2" LG	304
3			1	EA	SCREW, SET, 1/4"-20 x 1/2" LG	SST
4			3	EA	BAR, ROUND, 6" DIA x 7/8" LG	304
5			2	EA	BAR, ROUND, 2 1/2" DIA x 2" LG	304
6			1	EA	BAR, ROUND, 2 1/2" DIA x 2 1/4" LG	304
7			12	EA	BOLT, HEX HD, 1/2-13 UNC-2A x 2 1/4 LG	304
8			24	EA	WASHER FLAT, 1/2	304
9			12	EA	NUT, HEX, 1/2-13 UNC-2B	304

Nov 23, 1996 - 12:21:23

**ELECTRONIC COPY**

NOTES:  
1) PARTS TO BE MACHINED AND FABRICATED IN ACCORDANCE WITH PS: SPEC #VL45-2-136. PARTS MUST BE CLEAN AND FREE OF ALL HYDROCARBON AND CARBON STEEL CONTAMINATION.

LIGO-D990314-00-V

PROPRIETARY AND CONFIDENTIAL  
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DWG. NO.	DESCRIPTION	DWG. NO.	DESCRIPTION
8		7	REFERENCE DRAWINGS
6		6	
5		5	
4		4	
3		3	
2		2	
1		1	

SYMBOL	CHARACTERISTIC	UNLESS OTHERWISE SPECIFIED	ISSUED FOR FABRICATION
□	FLATNESS	DIMENSIONS ARE IN INCHES	0
○	CYLINDRICITY	TOLERANCES: FRACTIONAL ± 1	
∥	PARALLELISM	ANGULAR/ROUNDER 10°-20° BEND 12"	
⊥	PERPENDICULARITY	TWO PLACES DECIMAL ± .01	
∠	ANGULARITY	THREE PLACES DECIMAL ± .015	
⊕	TRUE POSITION	FINISHED SURFACE RING 6.3	
◎	CONCENTRICITY	BREAK CORNERS IN CUT.	
		REMOVE ALL BURRS	
		DO NOT SCALE THIS DRAWING	
		USED ON:	
		NEXT ASS'Y:	

REV	DESCRIPTION	CHK'D	DRWN	DATE	DECM
0	ISSUED FOR FABRICATION			11/22/96	

PROCESS SYSTEMS INTERNATIONAL, INC.  
20 WALKUP DR WESTBOROUGH, MASSACHUSETTS 01581 USA

TURNING CART DRIVE SHAFT  
LIGO VACUUM EQUIPMENT

CAR FILE: V0494154  
SIZE: D  
DWG. NO: V049-4-154  
SCALE: 1/2  
SHEET: 1 OF 1

EDUCATION VERSION