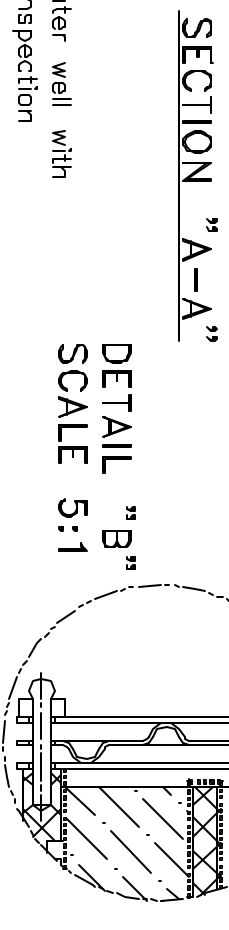
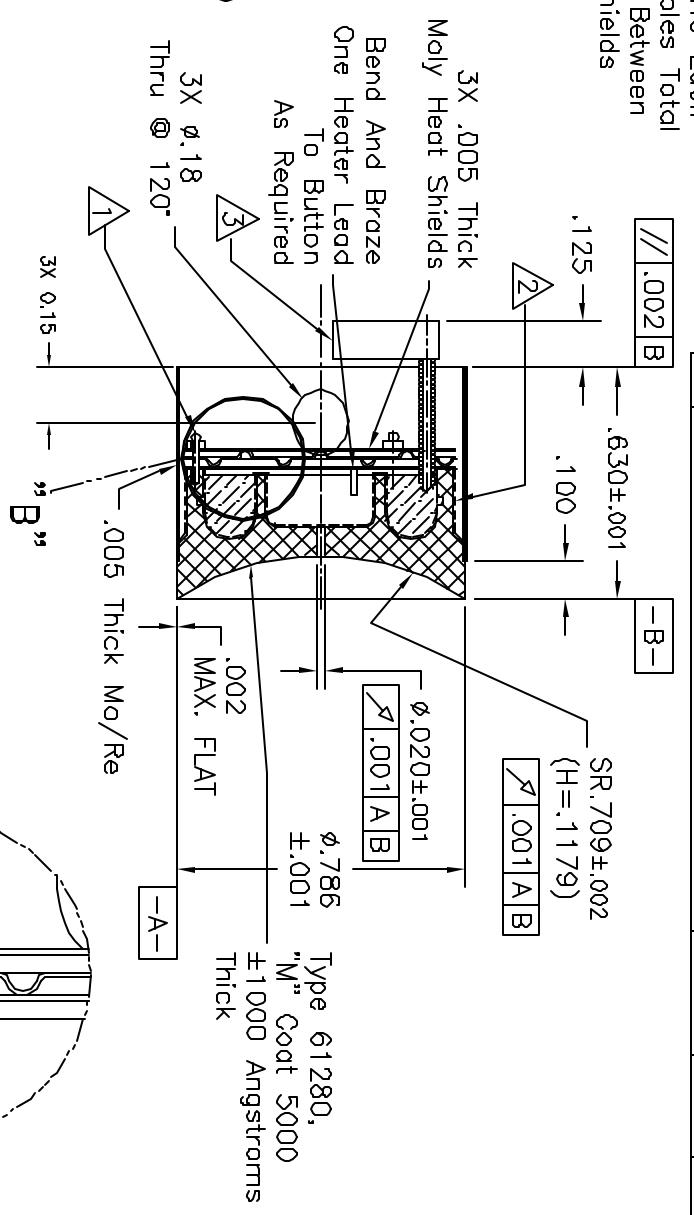
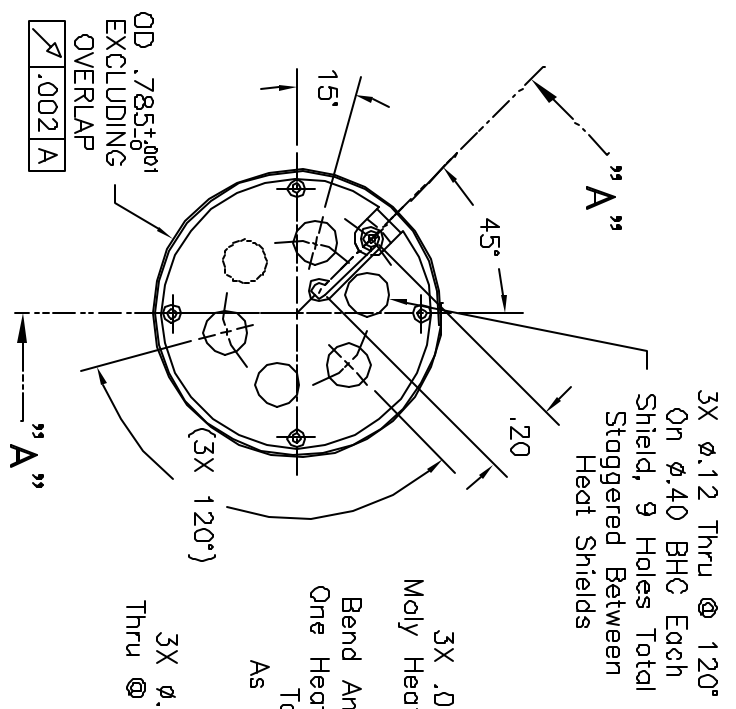


Dash # Next Assembly

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	Redrawn, mic corrections	5/2/02	KMG



- Notes:
- 1. Hei-Arc weld ball on end of pins to retain heat shields and spacers. Maintain 0.020 spacing between shields.
 - 2. Paint complete backside of cathode button including heater well with Mo/Ru, B-9 braze mixture or equivalent such that visual inspection shows total coverage.
 - 3. .010 thick x .10 wide Mo/Re ribbon RSW and Mo/Ni brazed to one heater lead.
 - 4. Heater target to be 8.2±10%V, 8.2±10%A at 1150C.
 - 5. Heater to be non-inductive wind (bifilar) made with 3RW-86 (Ø0.018) wire.

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UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.	
TOLERANCES ARE:	XX - ±.002
XXX - ±.005	XX - ±.020
XXXX - ±.0005	
FINISH .63 MILLIONCHES	
ANGLES 9 DEGREE ±30 MINUTES	
EDGES AND CORNERS .005 R MAX	
MATERIAL	-
DO NOT SCALE DRAWING	

Qty.	Part #	Description	Item #
		HeatWave Labs, Inc.	
		195 Aviation Way, Suite 100 (831) 722-9081	
		Watsonville, Ca. 95076 Fax: (831) 722-5491	
		Website: www.cathode.com	
BY	DATE	0.786 Dia. Cathode/Heater Assembly	
ENGR	M/Curtis	DWG. NO.	101870
	4/30/02	SCALE:	2x
		SHEET:	1/1