

CAPACITOR SPECIFICATION

PART NUMBER: **32921**

<u>PARAMETER</u>	<u>VALUE</u>	<u>UNITS</u>	<u>Q.A.</u>	<u>METHOD</u>
CAPACITANCE:	2.6	μF	100%	120 Hz, R.T.*
TOLERANCE:	± 10	%		
RATED VOLTAGE:	100.0	kVdc		
HIGH VOLTAGE TEST:	110.0	kVdc	100%	180sec Hipot before Burn-in
BURN-IN SHOTS:	100.0	kVdc	100%	>= 70% Voltage Reversal, > 170kA
SECOND HIGH VOLTAGE TEST:	110.0	kVdc	100%	60sec Hipot after Burn-in Shots
RATED ENERGY:	13.0	kJ		
RATED VOLTAGE REVERSAL:	35	%		
MAX. VOLTAGE REVERSAL:	80	Fault %		
RATED PEAK CURRENT:	170	kA		
MAX. PEAK CURRENT:	300	Fault kA	(Single Event)	
MAX. OPERATING TEMP.	40	°C		
MIN. OPERATING TEMP.	-10	°C		
DESIGN LIFE AT RATED:	1.0E+04	charge / discharge cycles		
DC LIFE:	25	hours		
RELIABILITY AT LIFE:	90	%		
MAX. DISSIPATION FACTOR	0.60	%	100%	120 Hz, R.T.*
APPROX. INDUCTANCE	26	nH	SAMPLE	STANDING WAVE
MIN. INSULATION RESISTANCE	750	Mohm-uF	SAMPLE	DECAY Vr / R.T.* / 120s / 120s
CASE STYLE:	WELDED STEEL CAN			
BUSHING:	SCYLLAC, Low Profile with SST Coaxial Ground Ring			
ELECTRODE:	1.0-14 UNF-28 TAP x 0.75 DEEP			
DIMENSIONS:	11.0 x 14.0 x 25.0	inches		
	279 x 356 x 635	mm		
APPROXIMATE WEIGHT:	241	lbs		
	109	kg		

NOTES:

NOTE 1: LEAK TEST: 100 % test and inspection

NOTE 2: CO IMPREGNANT (non-PCB)

* R.T. = Room temperature (23 ± 7 °C)

	SIZE	FSCM	DRAWING NUMBER	REV
	A	58307	32921	A
	SHEET 2			

NOTES: UNLESS OTHERWISE SPECIFIED

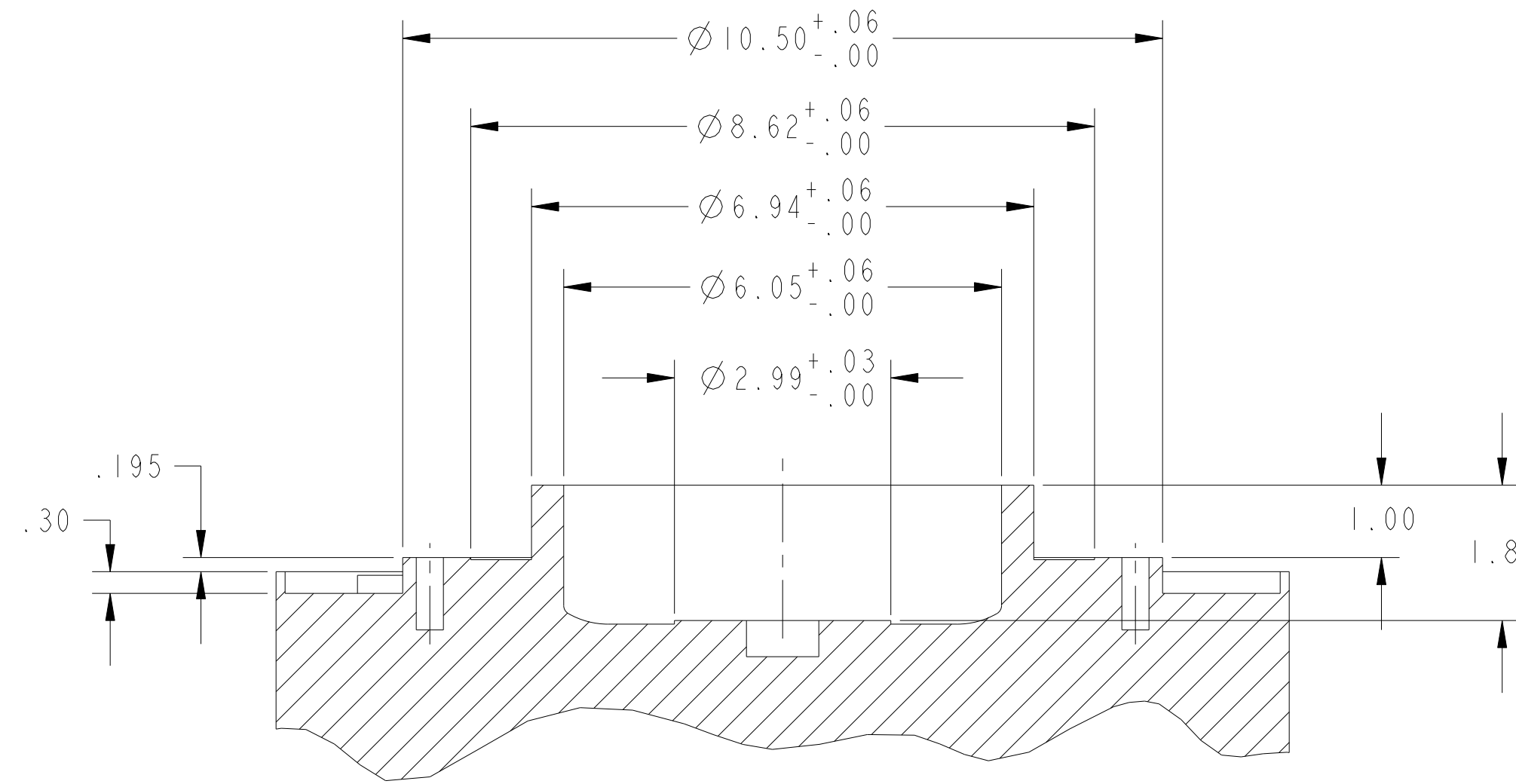
1. INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M-1994.

2. REMOVE ALL BURRS AND BREAK SHARP EDGES .01 MAX.

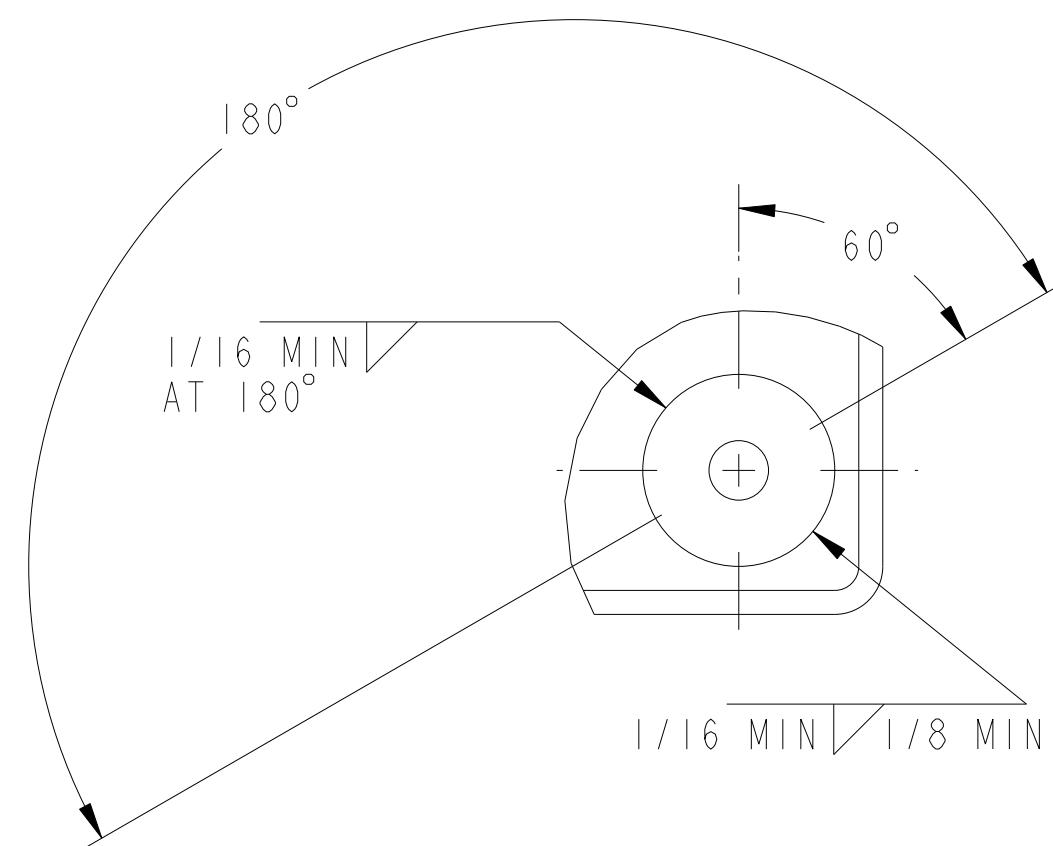
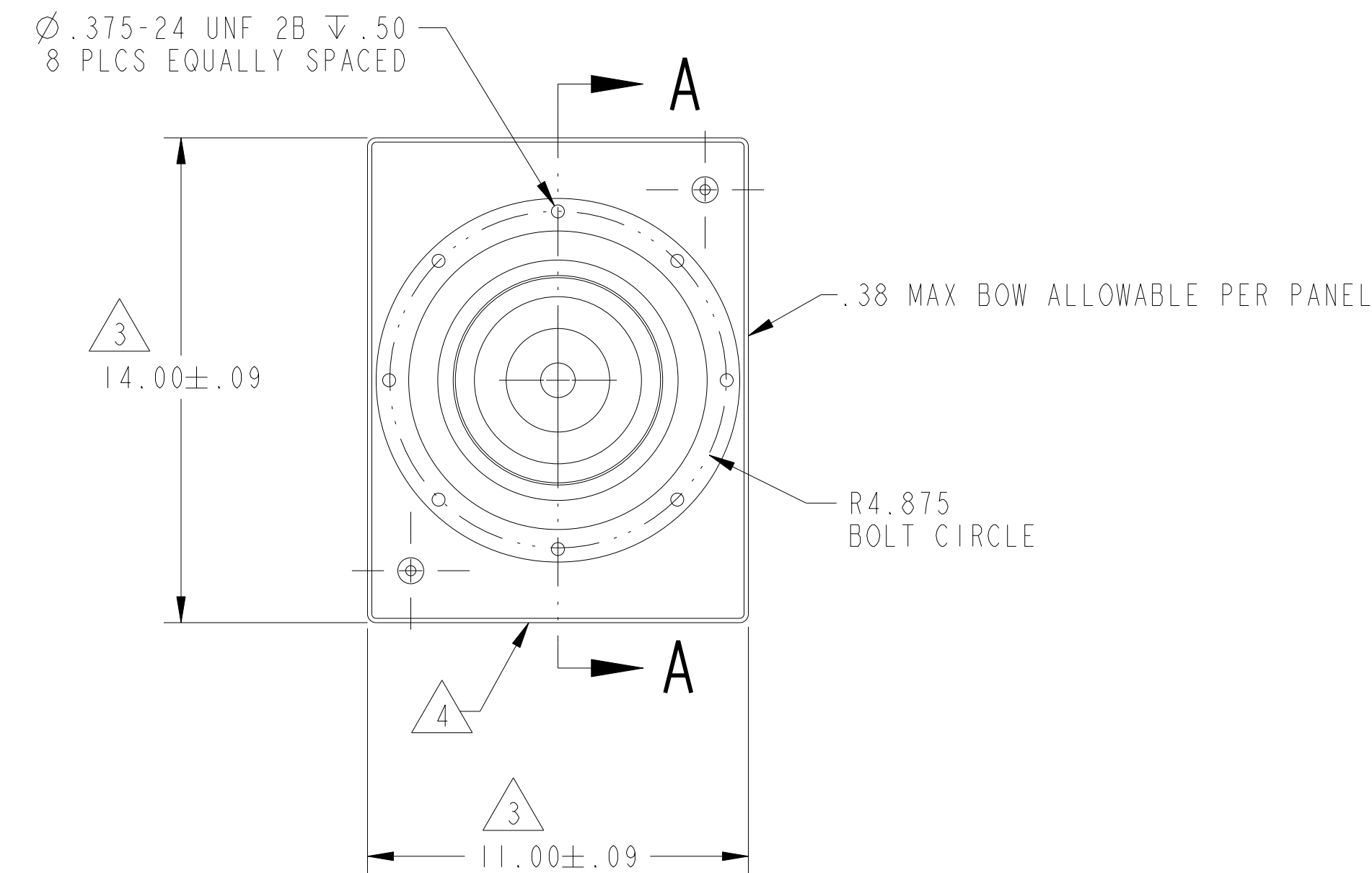
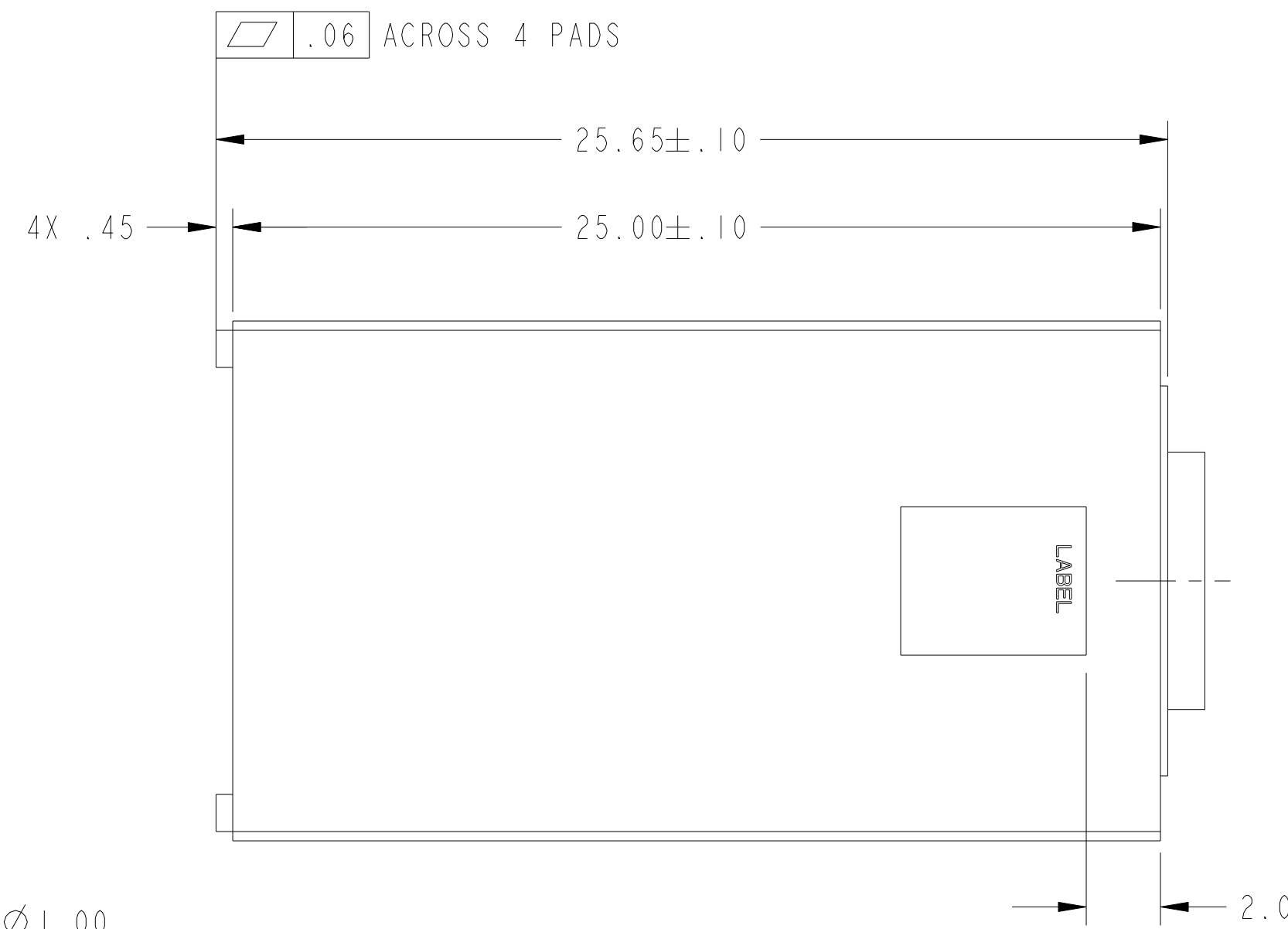
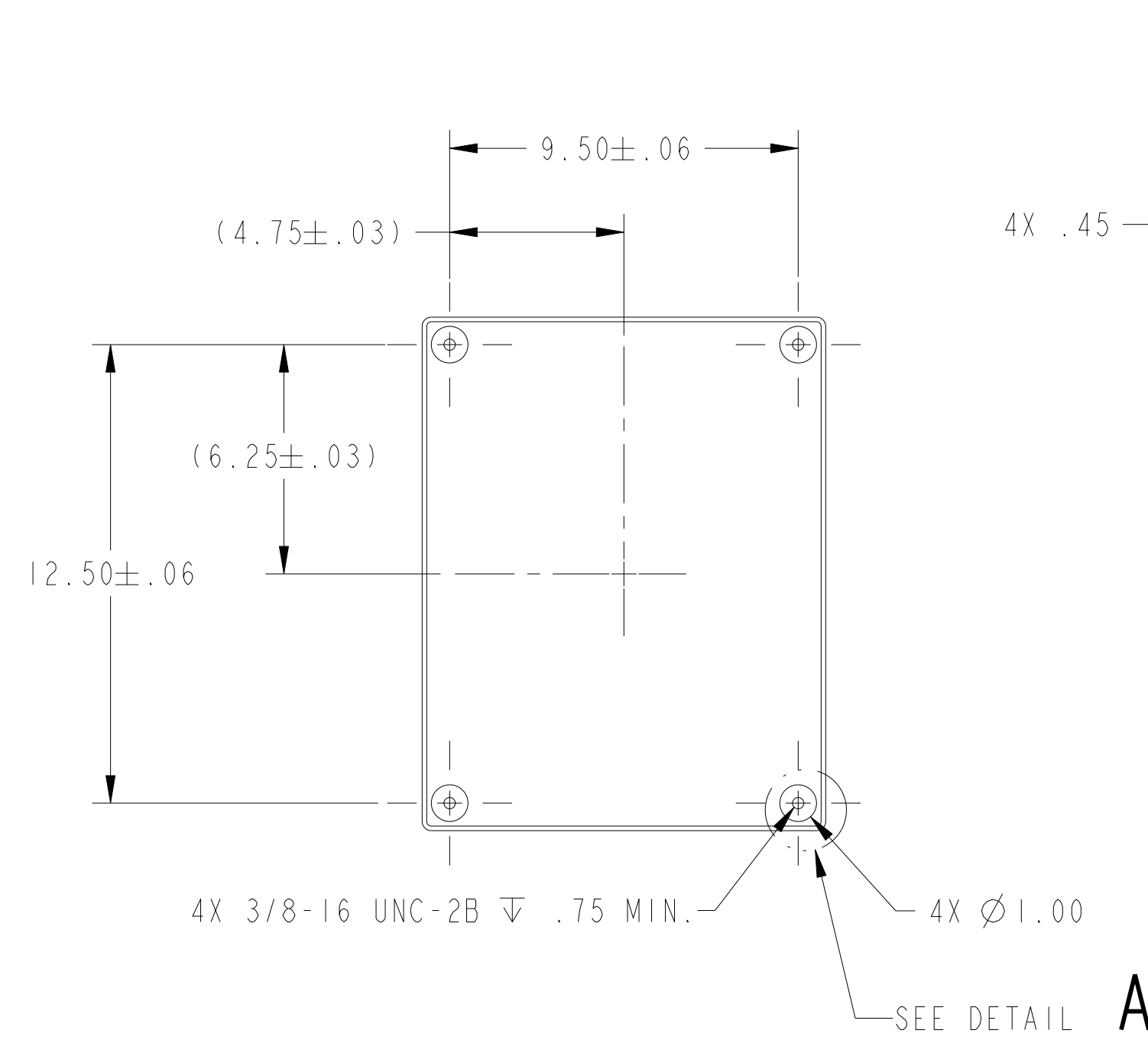
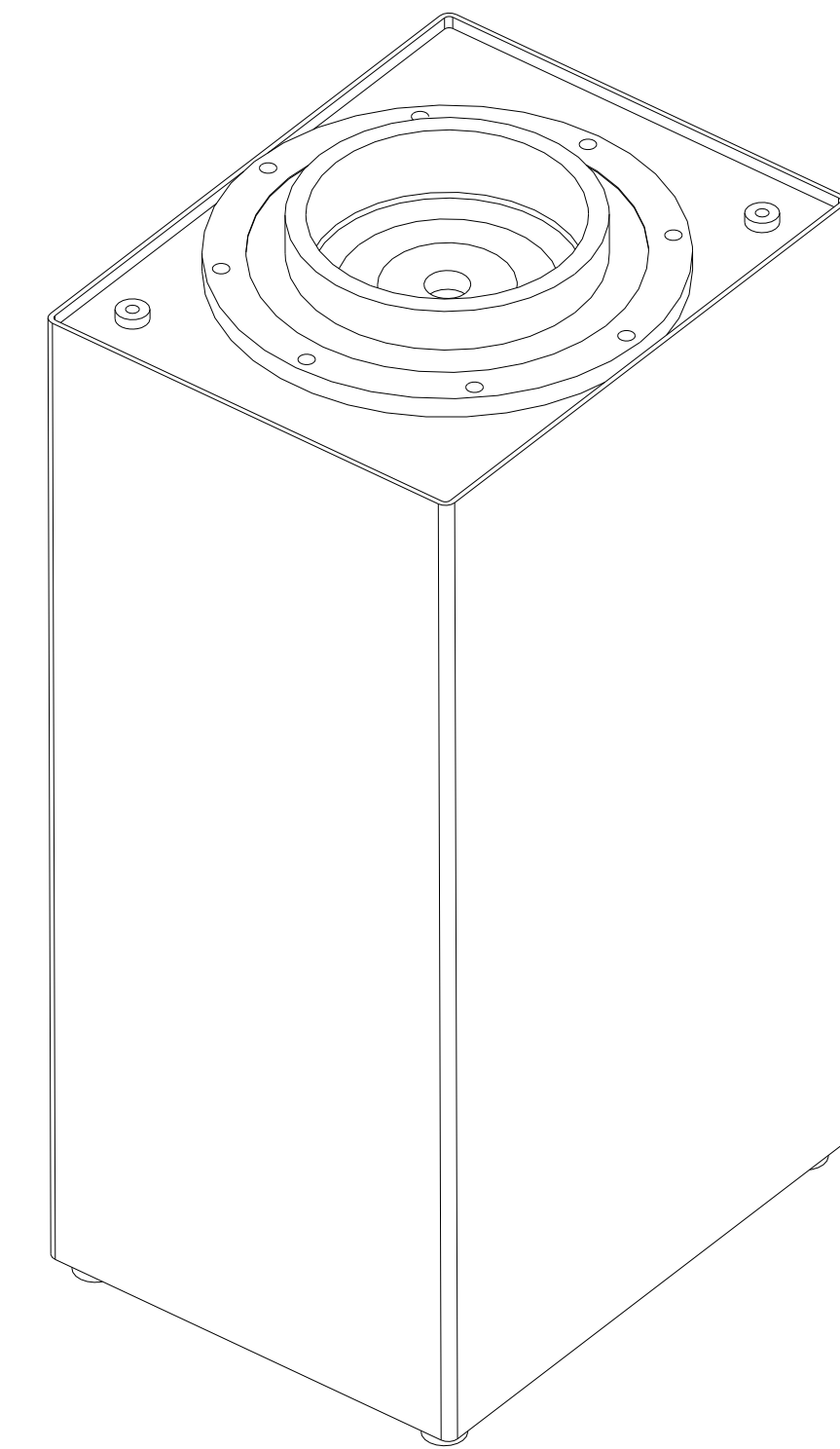
3. CASE DIMENSIONS SHOWN ARE TO BE HELD 2" UP FROM BASE AND 2" DOWN FROM TOP

4. IDENTIFY WITH GA-ESI PART NUMBER AND SERIAL NUMBER (DATE-REV-NUMBER) GA-ESI SCRIBE WITH ENGRAVER. MAKE CHARACTERS LEGIBLE. APPROXIMATELY WHERE SHOWN.

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A			



SECTION A-A
SCALE 1:2



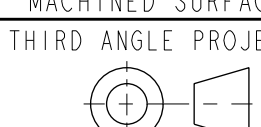
DETAIL A
SCALE 1:1
4 PLACES

32921-001	CAPACITOR 2.6uF +/-10% 100KV DC	N/A
QTY REOD	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
		MATERIAL SPECIFICATION
		ITEM NO.

PARTS LIST		DATE	GENERAL ATOMICS ELECTRONIC SYSTEMS	
DRAWN	B. DREWS	04/19/06	4949 GREENCRAIG LANE SAN DIEGO, CA. 92123-1675	
CHECKED			TITLE	
ENGINEER			CAPACITOR 2.6uF +/-10% 100KV DC	
ENGR REVIEW			SIZE	CAGE CODE
PROJECT MGR			D	58307
QUAL MGR			DWG NO	32921
RELEASE			REV	A
DRAWING FILE NAME: 32921		REV: A.2	MODEL FILE NAME: 32921-001	
SHEET: 9 of 10		REV: A.2		

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DO NOT SCALE DRAWING
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.
() INDICATES REFERENCE INFO.
DIMENSIONS PER ASME Y14.5M-1994.
STANDARD TOLERANCES:
FRACTIONS DECIMALS ANGLES
±1/8 .XX ±.1 ±1/2°
.XXX ±.010
MACHINED SURFACES 125/
THIRD ANGLE PROJECTION



NEXT ASSY