

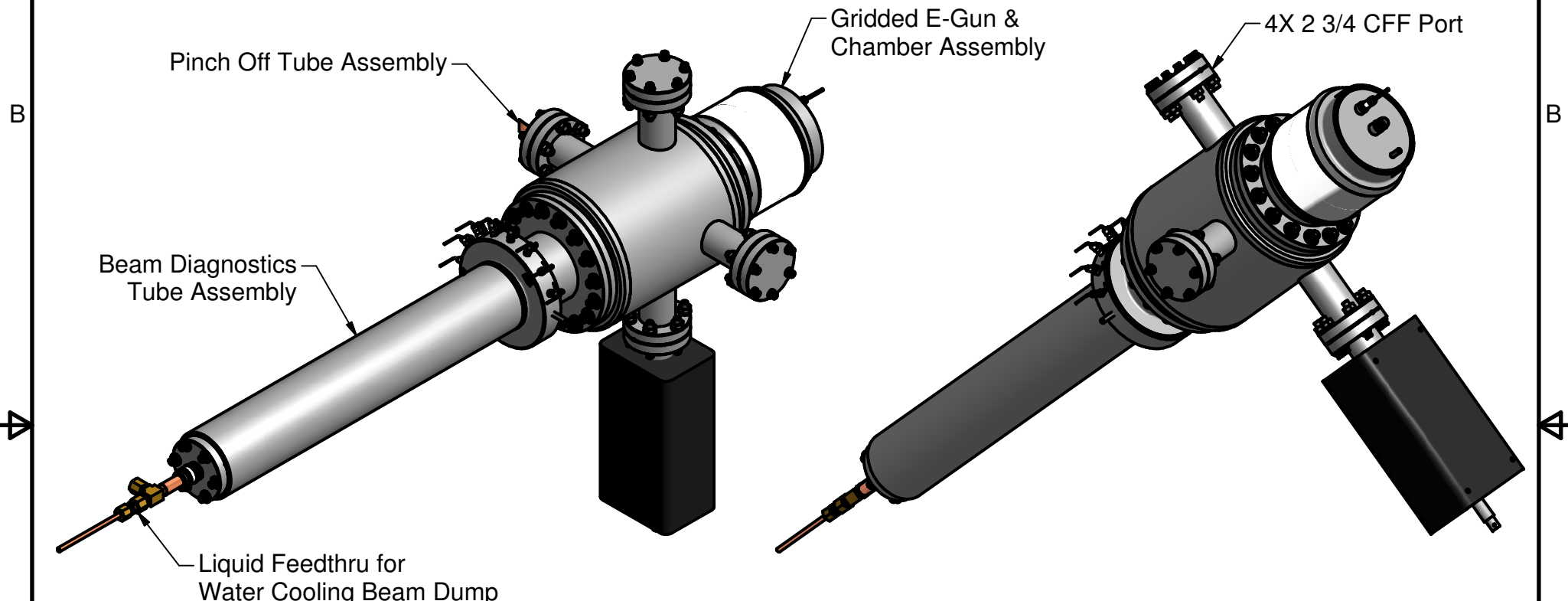


PARTS LIST

REVISION HISTORY

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	107588	E-Gun & BDT Assy., BOM

REV	DESCRIPTION	DATE	APPROV
A	Manufacturing release.	1/11/13	MC



Notes:

1. Assembly is leak tight to 1×10^{-9} cc/sec Helium.
2. Assembly must be handled with care to protect its vacuum tight condition. The ceramic should not be handled with bare hands to prevent contamination, resulting in increased voltage breakdown.
3. After final assembly, process through bake out and hi pot test per MP-273.
4. Opening, handling, and storage should be performed per TB-232.

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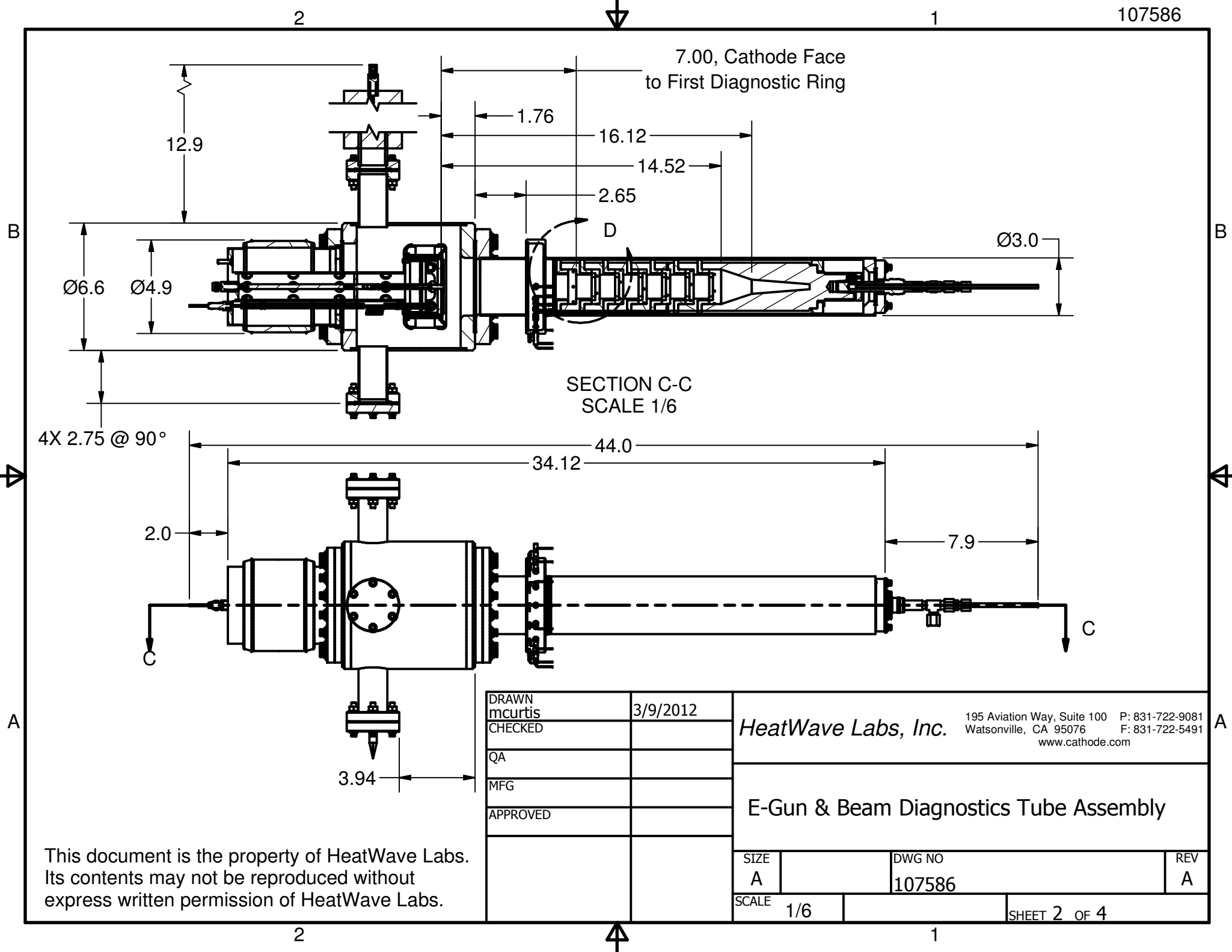
DRAWN mcurtis	3/9/2012
CHECKED	
QA	
MFG	
APPROVED	
Material:	
-	

HeatWave Labs, Inc. 195 Aviation Way, Suite 100 P: 831-722-9081
 Watsonville, CA 95076 F: 831-722-5491
 www.cathode.com

E-Gun & Beam Diagnostics Tube Assembly

SIZE A	Cage Code: 1YAN4	DWG NO 107586	REV A
SCALE 1/6	SHEET 1 OF 4		

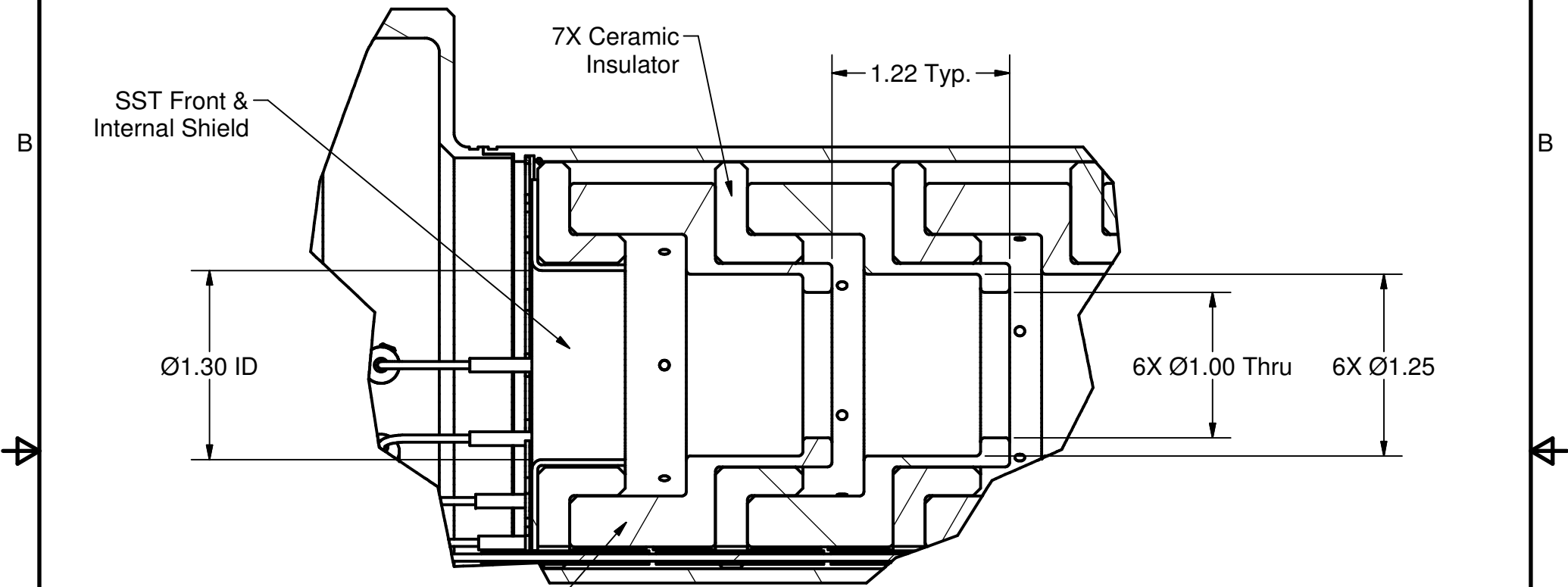




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DRAWN	mcurtis	3/9/2012
CHECKED		
QA		
MFG		
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<i>HeatWave Labs, Inc.</i> 195 Aviation Way, Suite 100 Watsonville, CA 95076 www.cathode.com		P: 831-722-9081 F: 831-722-5491	
		E-Gun & Beam Diagnostics Tube Assembly	
SIZE	DWG NO	REV	
A	107586	A	
SCALE	SHEET		OF
1/6	2		4



6X Graphite Detector Ring
 DETAIL D
 SCALE 1 : 1

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QA	
MFG	
APPROVED	

<i>HeatWave Labs, Inc.</i>		195 Aviation Way, Suite 100 P: 831-722-9081 Watsonville, CA 95076 F: 831-722-5491 www.cathode.com	
		E-Gun & Beam Diagnostics Tube Assembly	
SIZE A	DWG NO 107586	REV A	
SCALE	SHEET 3 OF 4		

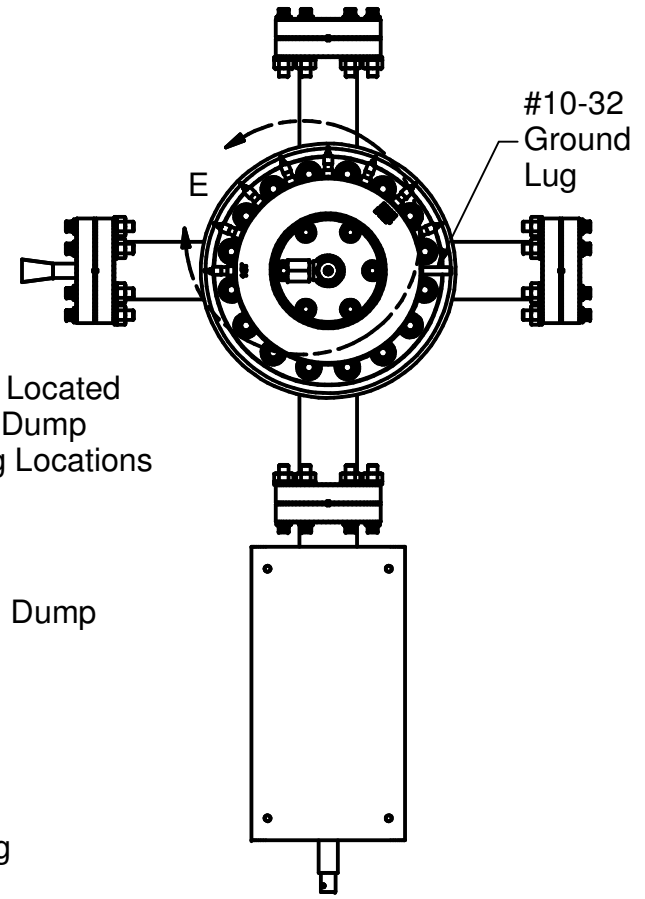
Each Feedthru Grounded to Housing w/1 Resistor each, 1 Ohm, 5% Tolerance, 1/4W

8X Ø.05 Cu Feedthru, 6X for Detector Ring, 1X for Beam Dump, 1X Spare

Spare Feedthru Located Between Beam Dump and Ground Lug Locations

Identified for Beam Dump

Identified for 1st Detector Ring



DETAIL E
SCALE 3/4

DRAWN mcurtis	3/9/2012
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QA	
MFG	
APPROVED	

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E-Gun & Beam Diagnostics Tube Assembly

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SIZE A	DWG NO 107586	REV A
SCALE 1/5	SHEET 4 OF 4	