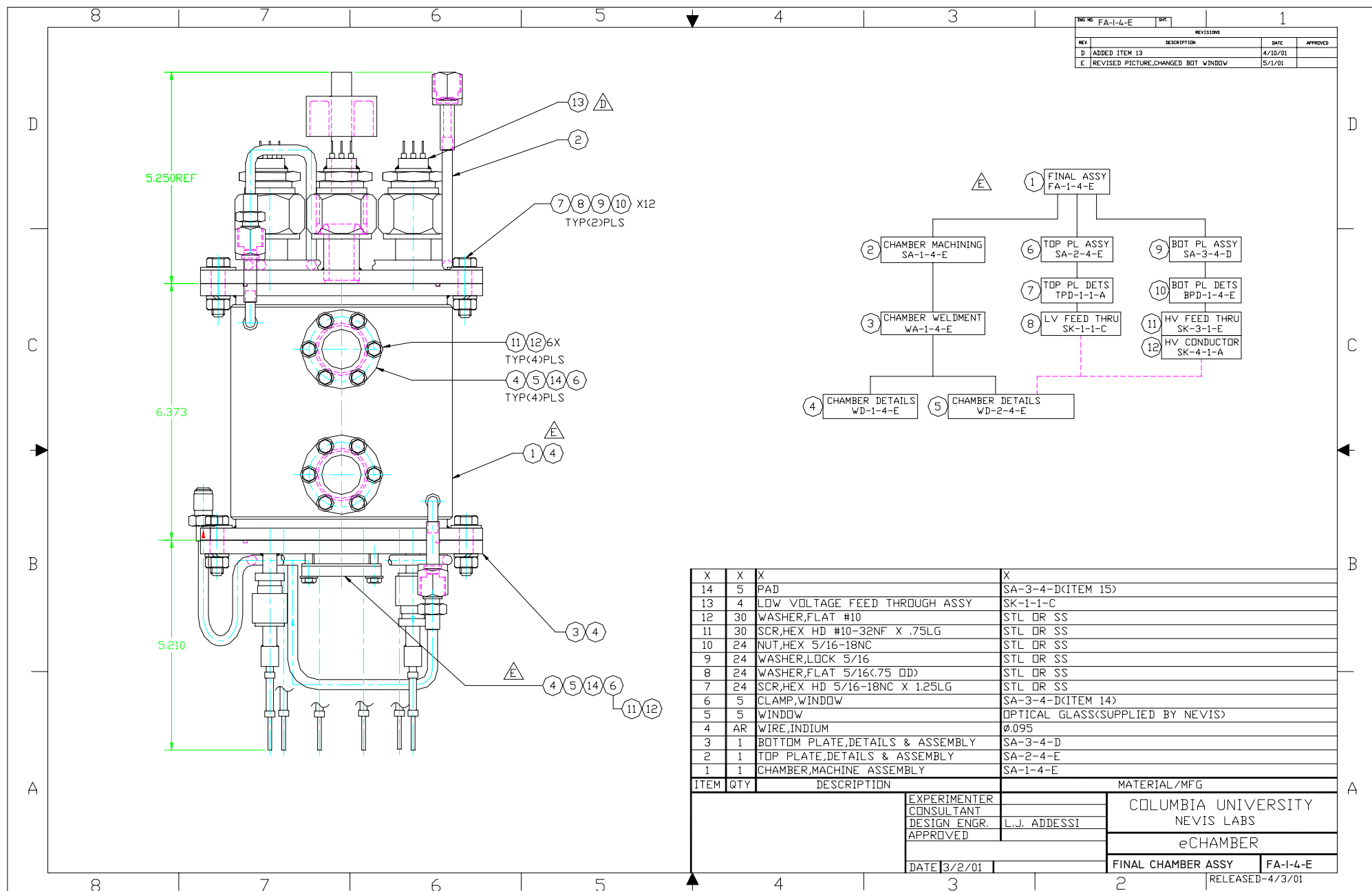
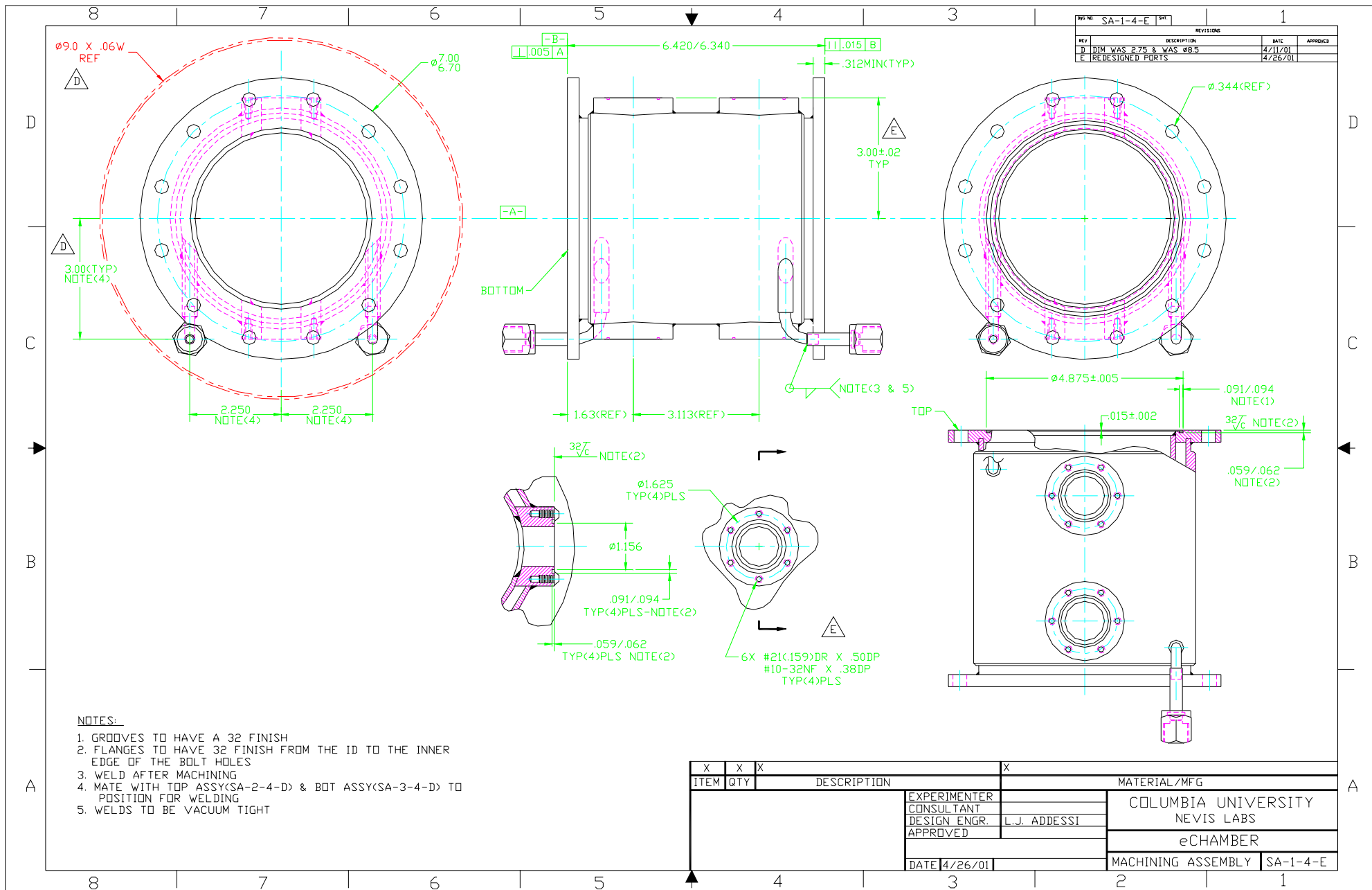
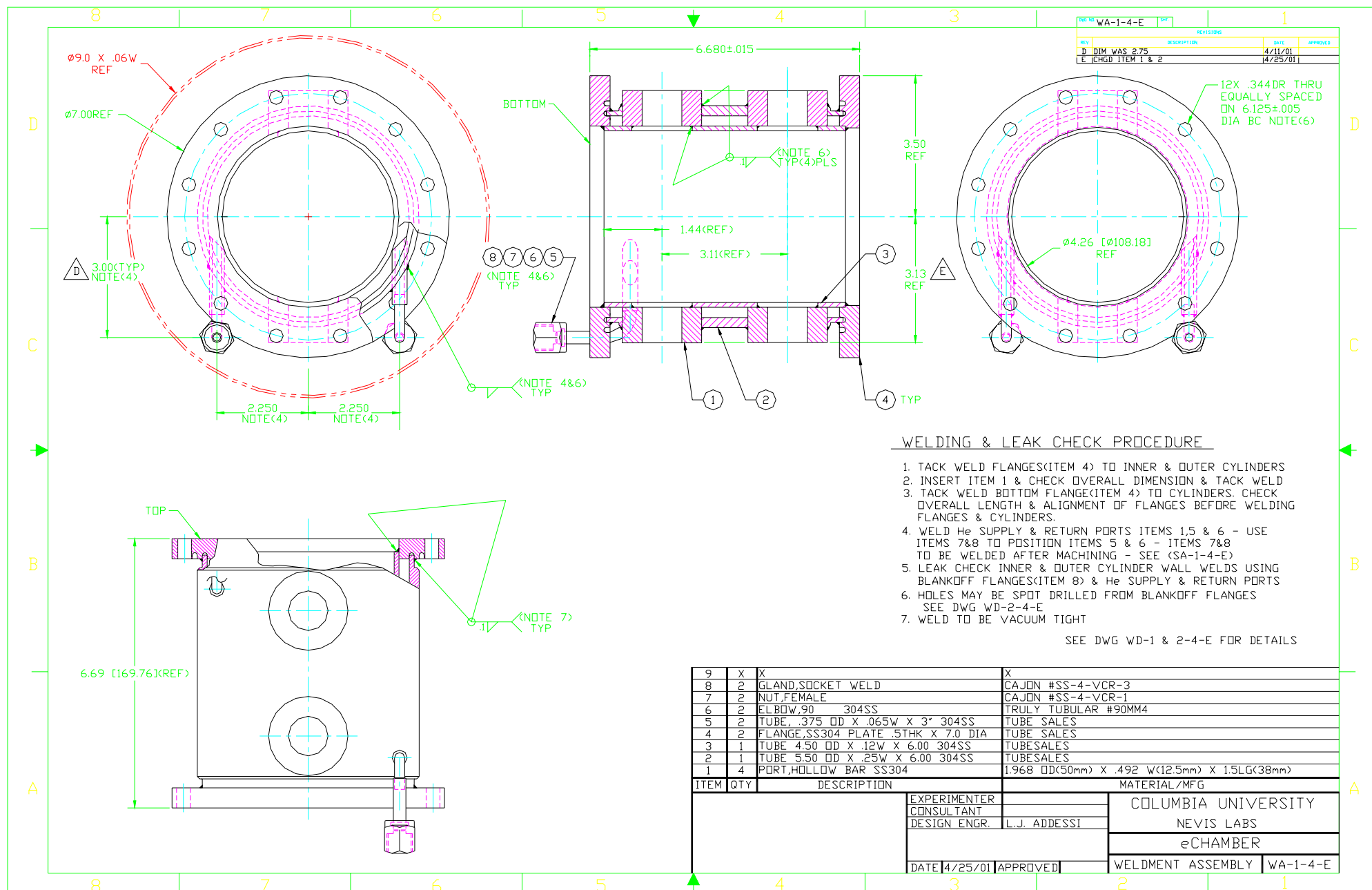
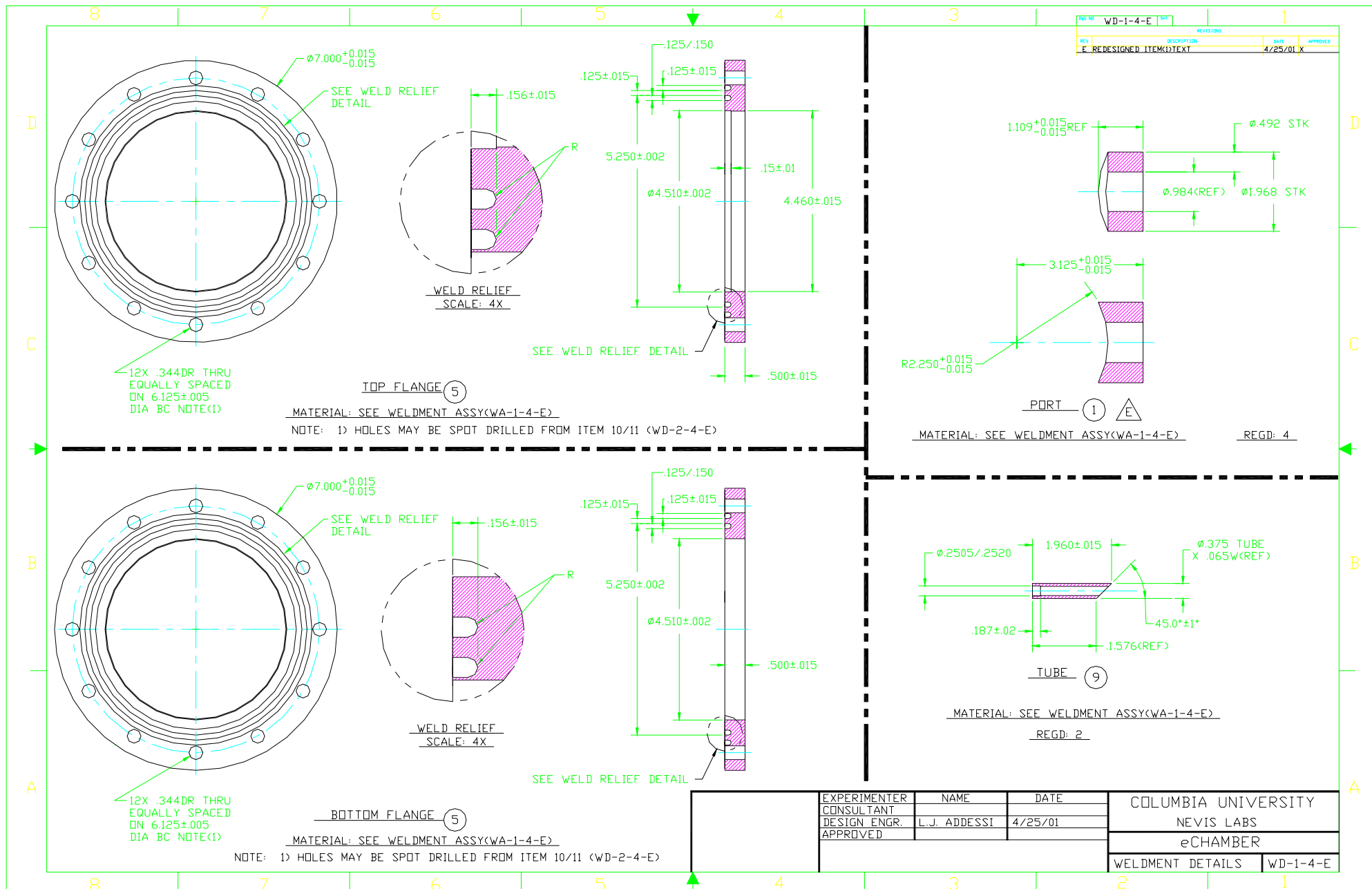


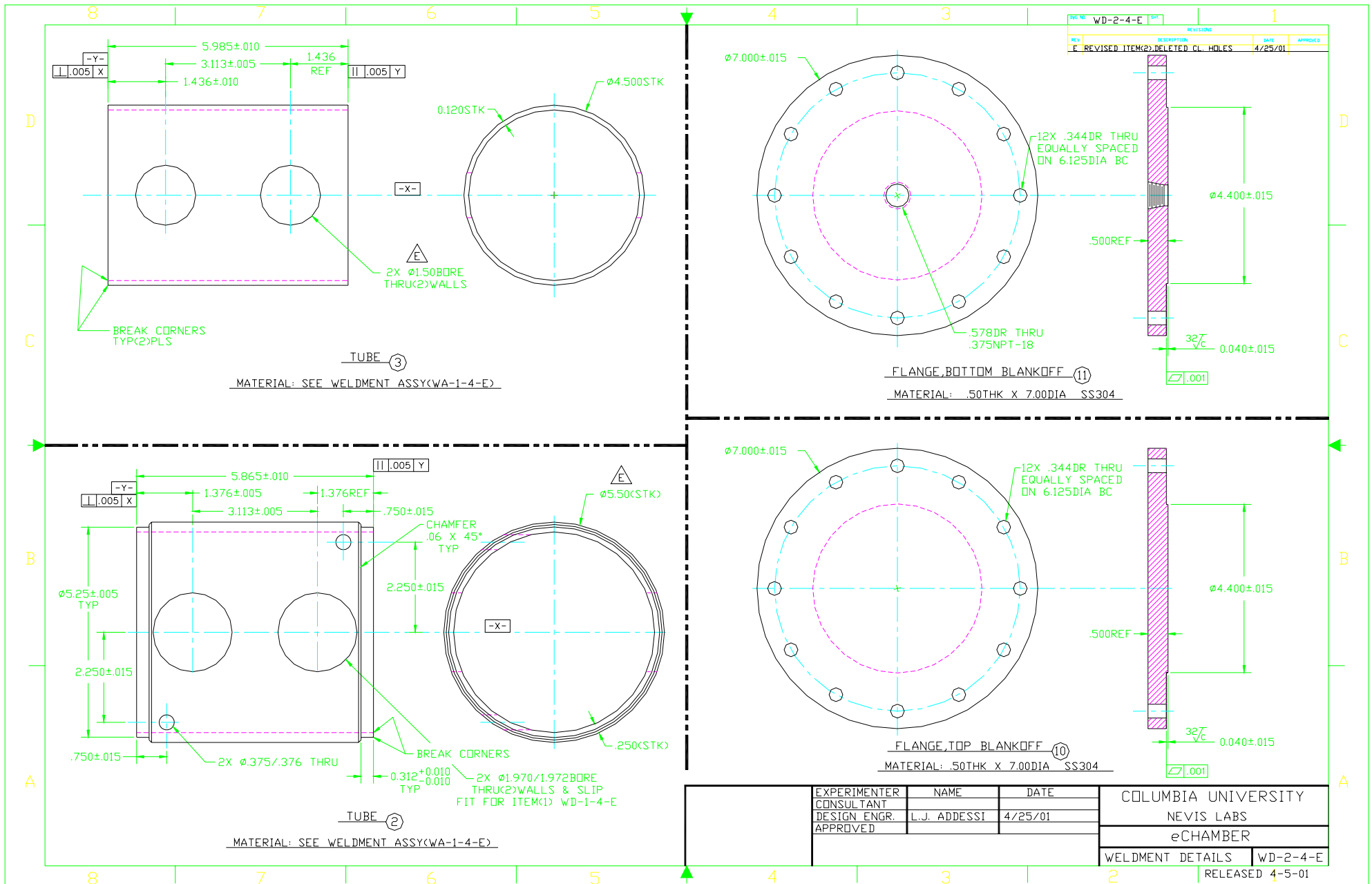


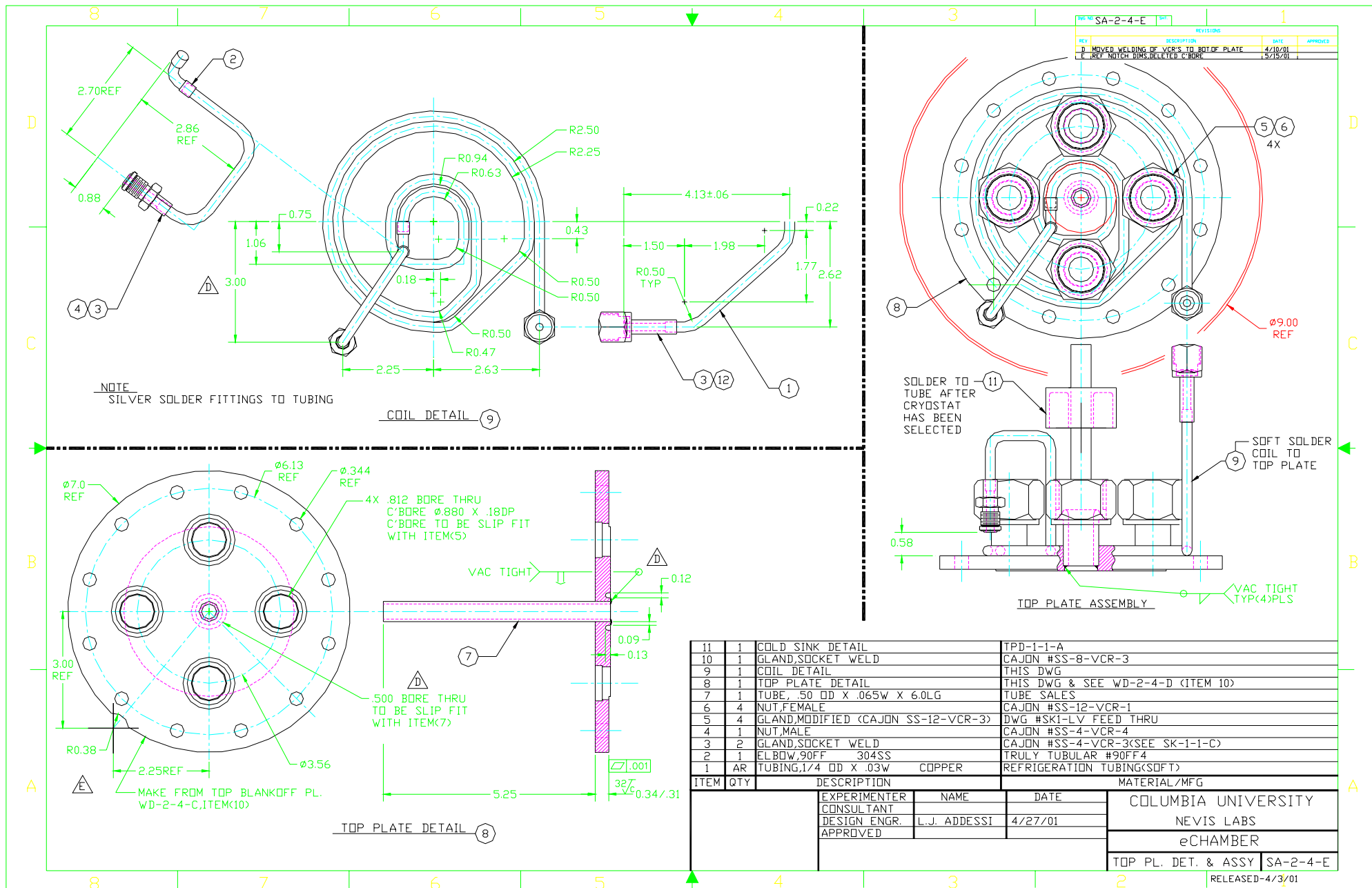


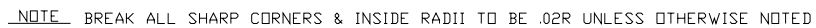
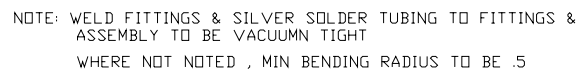
X	X	X	X
ITEM	QTY	DESCRIPTION	MATERIAL/MFG
		EXPERIMENTER	COLUMBIA UNIVERSITY NEVIS LABS
		CONSULTANT	
		DESIGN ENGR. L.J. ADDESSI	
		APPROVED	eCHAMBER
		DATE 4/26/01	MACHINING ASSEMBLY SA-1-4-E







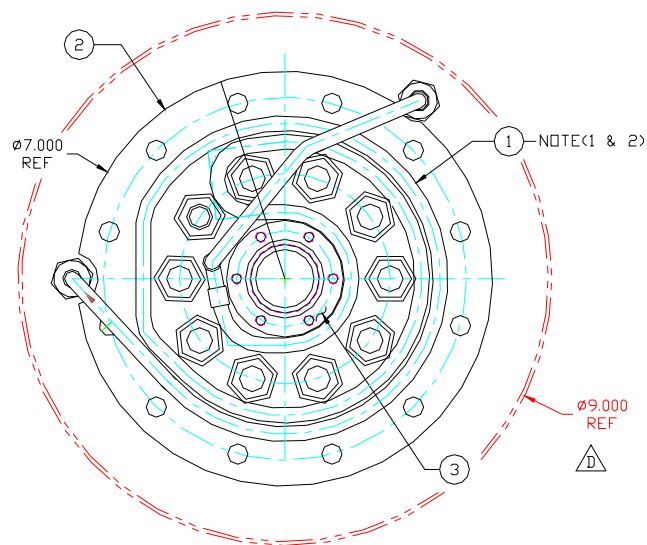
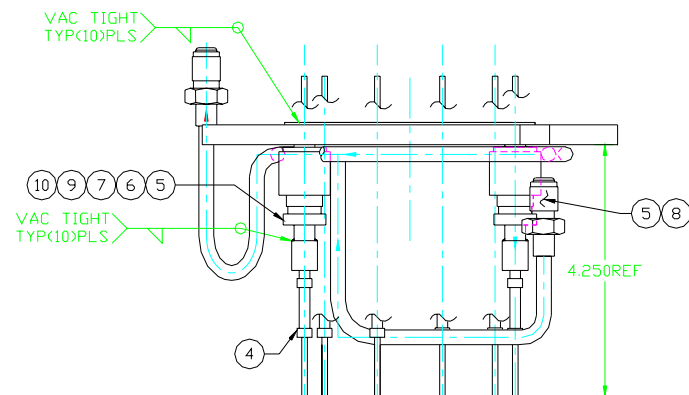




		NAME	DATE	COLUMBIA UNIVERSITY	
EXPERIMENTER				NEVIS LABS	
CONSULTANT				eCHAMBER	
DESIGN ENGR.	L.J. ADDESSI	4/28/01			
APPROVED					
				BOT PLATE DETAIL	BPD-1-4-E

RELEASED-4/3/01

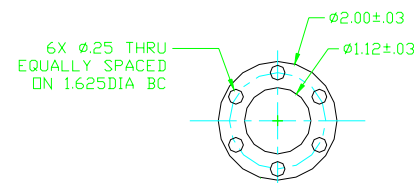
REV		DESCRIPTION	DATE	APPROVED
D	REVISED PIC. FOR DETS ADDED ITEM 15		4/27/01	
F	REVISED FOR HV FEED THRU		8/21/01	



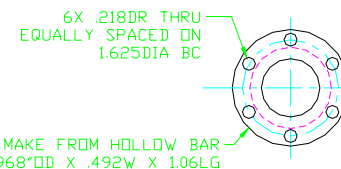
BOTTOM PLATE ASSY

NOTE:

1. LEAK CHECK VCR WELDS & PORT BEFORE SOLDERING COIL TO TOP PLATE
2. LEAK CHECK COIL ASSY BEFORE SOLDERING TO TOP PLATE



NOTE: USED ON MAIN ASSEMBLY FA-1-4-D



WINDOW CLAMP 14

REQD: 5

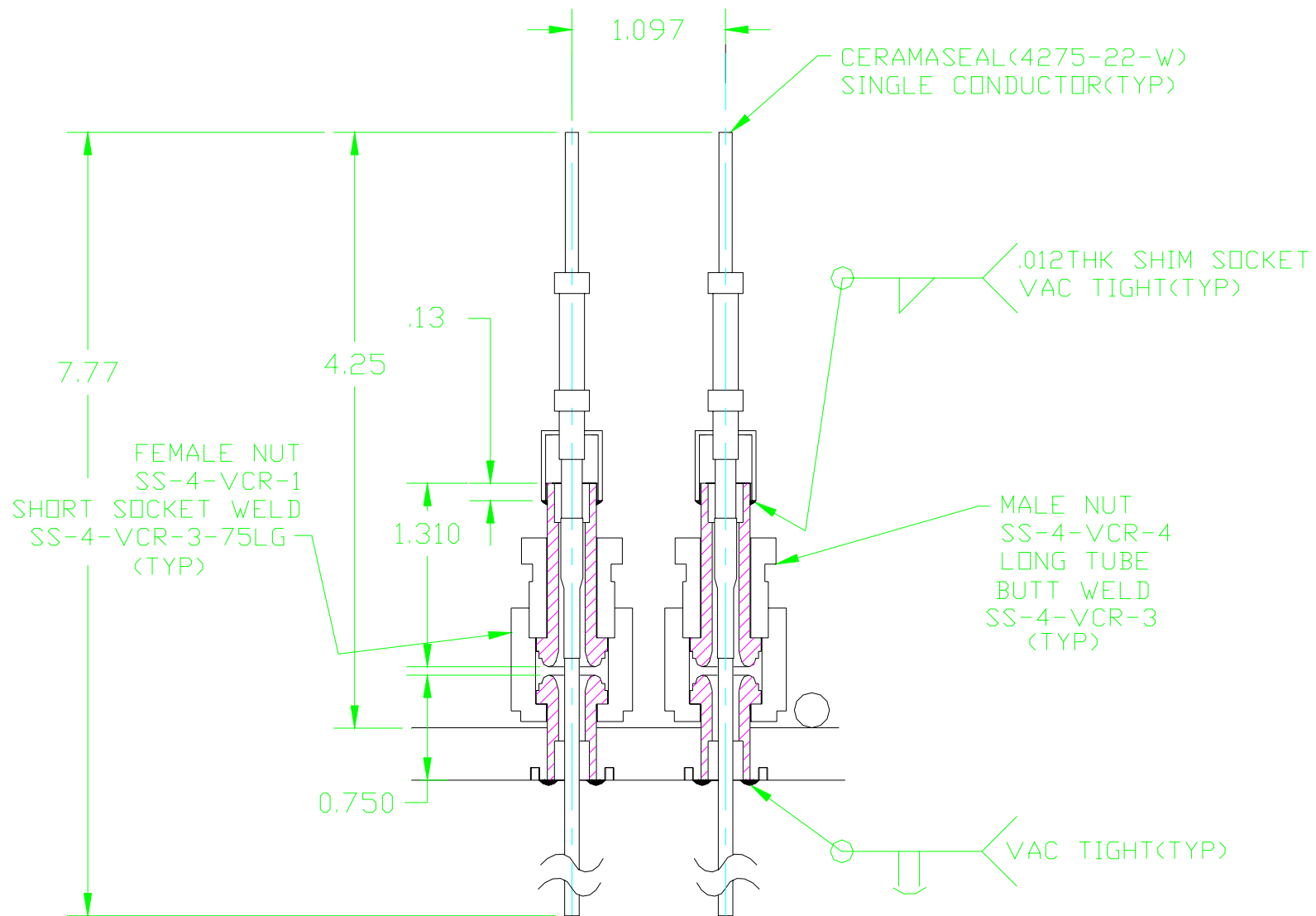
NOTE:

1. BREAK ALL SHARP EDGES
2. USED ON MAIN ASSEMBLY FA-1-4-D

ITEM	QTY	DESCRIPTION	MATERIAL/MFG
15	5	PAD(THIS DWG)	TEFLON .06THK
14	5	WINDOW CLAMP DETAIL(THIS DWG)	HOLLOW BAR 1.968"OD X .492W X 3.0LG SS304
13	AR	TUBING, 1/4 OD X .03W COPPER	REFRIGERATION TUBING(SOFT)
12	1	ELBOW, 90FF4 304SS	TRULY TUBULAR #90FF4
11	X	X	X
10	10	GLAND, SHORT SOCKET WELD	CAJON # SS-4-VCR-3-75LG (SEE SK-3-1-G)
9	X	X	X
8	12	GLAND, SOCKET WELD	CAJON #SS-4-VCR-3(SEE SK-3-1-G & BPD-1-4-E
7	10	GASKET, COPPER	D19-M-6178-1
6	10	NUT, FEMALE	CAJON #SS-4-VCR-1
5	12	NUT, MALE	CAJON #SS-4-VCR-4
4	10	FEED THRU, SINGLE CONDUCTOR	CERAMASEAL #4275-22-W (SEE SK-3-1-G)
3	1	PORT DETAIL (THIS DWG)	HOLLOW BAR 1.968"OD X .492W X 2.0LG SS304
2	1	BOTTOM PLATE DETAIL	BPD-1-4-C (ITEM 2) & WD-2-4-D
1	1	COIL DETAIL	BPD-1-4-C (ITEM 1)

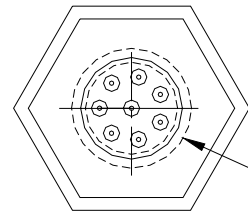
EXPERIMENTER	NAME	DATE	COLUMBIA UNIVERSITY
CONSULTANT			NEVIS LABS
DESIGN ENGR.	L.J. ADDRESSI	4/27/01	eCHAMBER
APPROVED			
			BOT PLATE ASSY SA-3-4-F

RELEASED-8/21/01



NEXT ASSY	SA-3-4-F	SCALE	FULL	SECTION	XXX
TITLE	HV FEED THRU'S	XXX			SK-3-I-G

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED



CERAMASEAL
#9853-01-B

SS-12-VCR-3

CUTOFF LINE

VAC
TIGHT

0.062

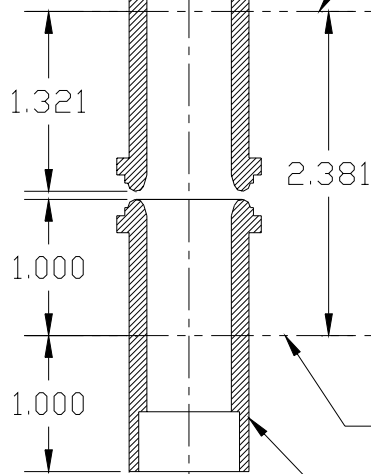
SS-12-VCR-4

SS-12-VCR-1
FEMALE NUT

Ø0.250

CUTOFF LINE

SS-12-VCR-3
(2)REQD/FEED THRU
SOCKET WELD GLAND



		COLUMBIA UNIVERSITY NEVIS LABS		
		LOW VOLTAGE FEED THROUGH		
	SIZE A	FSCM NO.	DWG NO. SK-1-1-B	REV A
	SCALE FULL		SHEET	