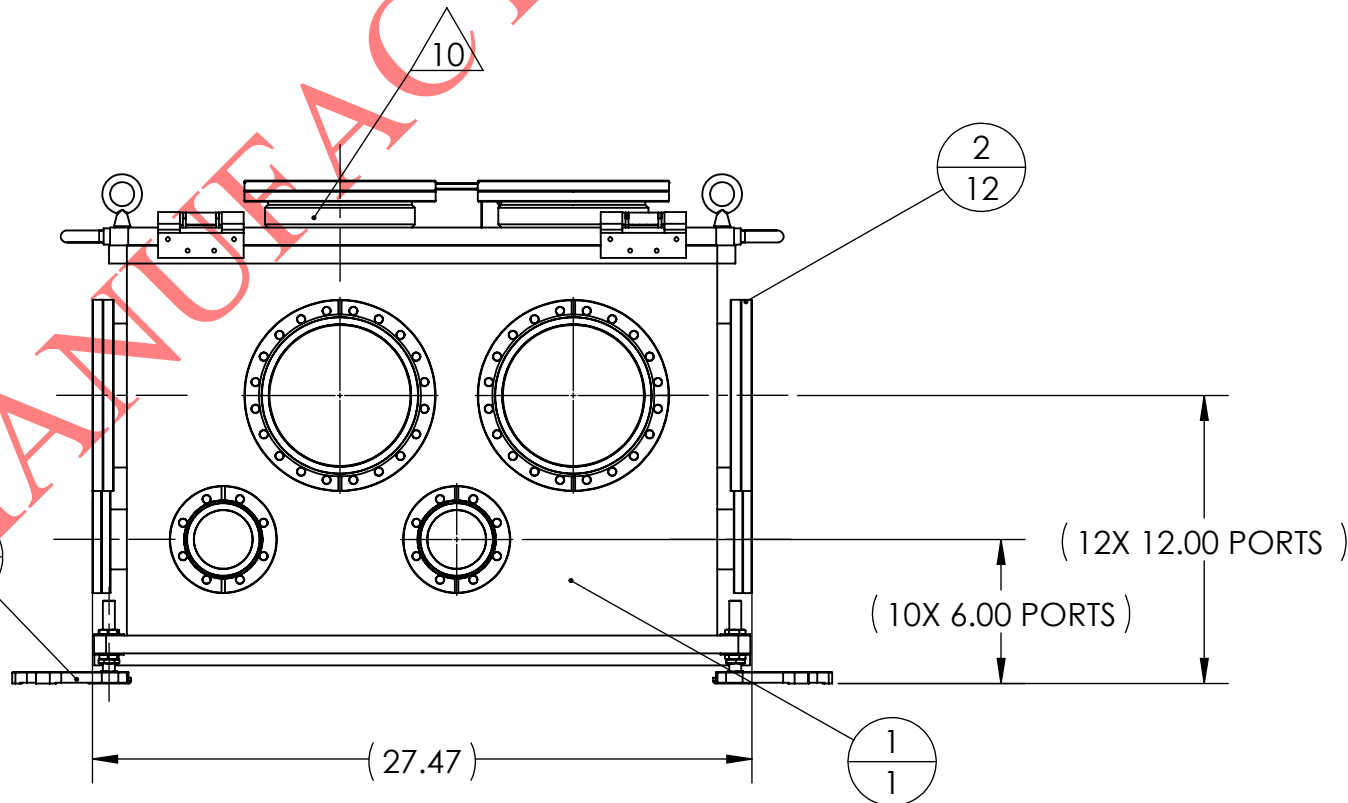
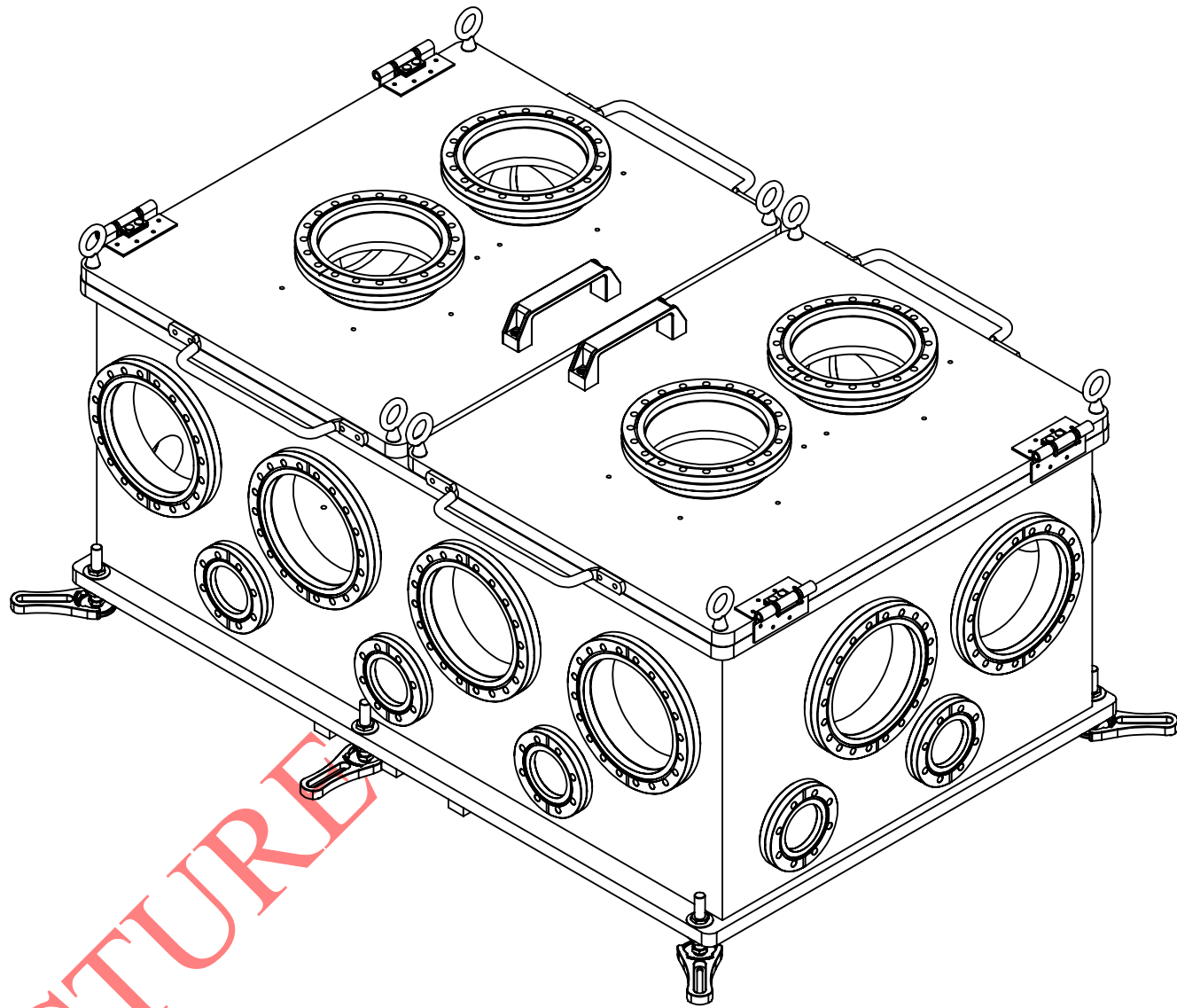
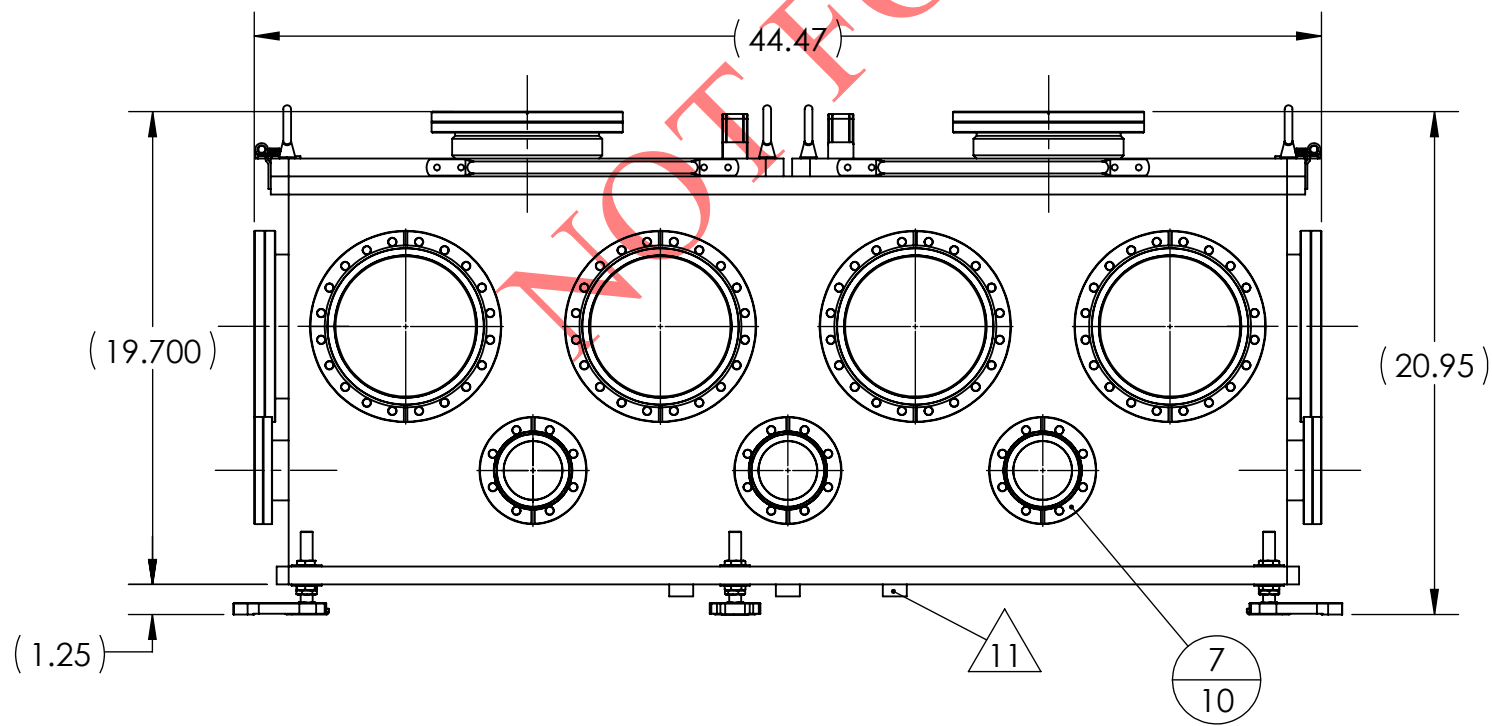
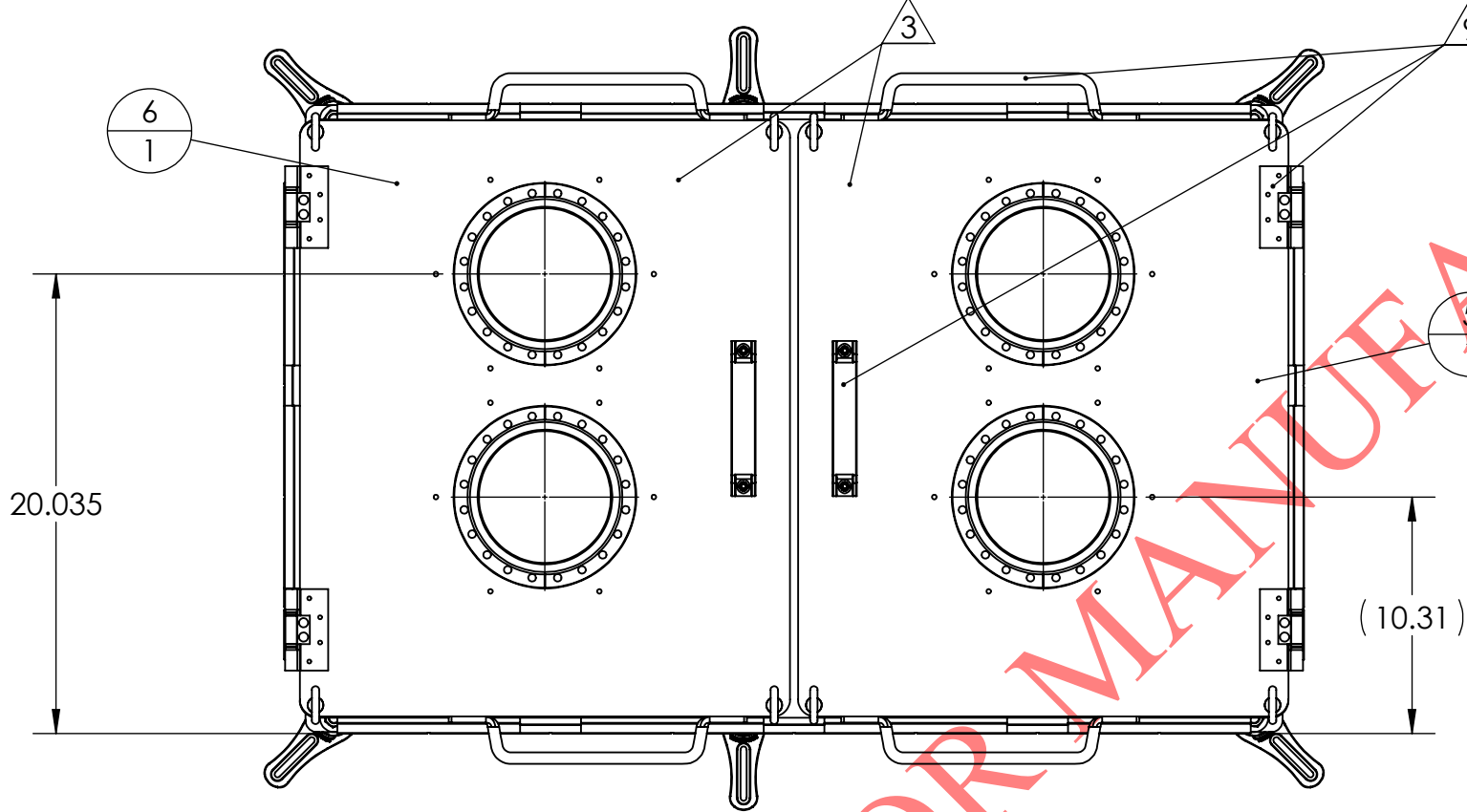


ITEM NO.	PART NUMBER	CONFIGURATION	REV	DESCRIPTION	MATERIAL	QTY.
1	RBT-DCOM-006EC6	Default	D00	Mock Injection Chamber Setup	304L Stainless Steel (UNS S30403)	1
2	KJL-F0800X600N	Default	N/A	8.00" CF, 6.00" Bore, Fixed	304L Stainless Steel	12
3	RBT-DCOM-007297	Default	D00	Chamber Gasket	Viton	2
4	RBT-DCOM-007282	Default	D00	Chamber Mounting Assembly	N/A	6
5	RBT-DCOM-007292	Ver 1	D00	Injection Chamber Lid	N/A	1
6	RBT-DCOM-007292	Ver2	D00	Injection Chamber Lid	N/A	1
7	KJL-F0450X250R	Default	N/A	4.50" CF, 2.50" Bore, Rotatable	304L Stainless Steel	10

REVISION			
REV	DESCRIPTION	REV BY	DATE

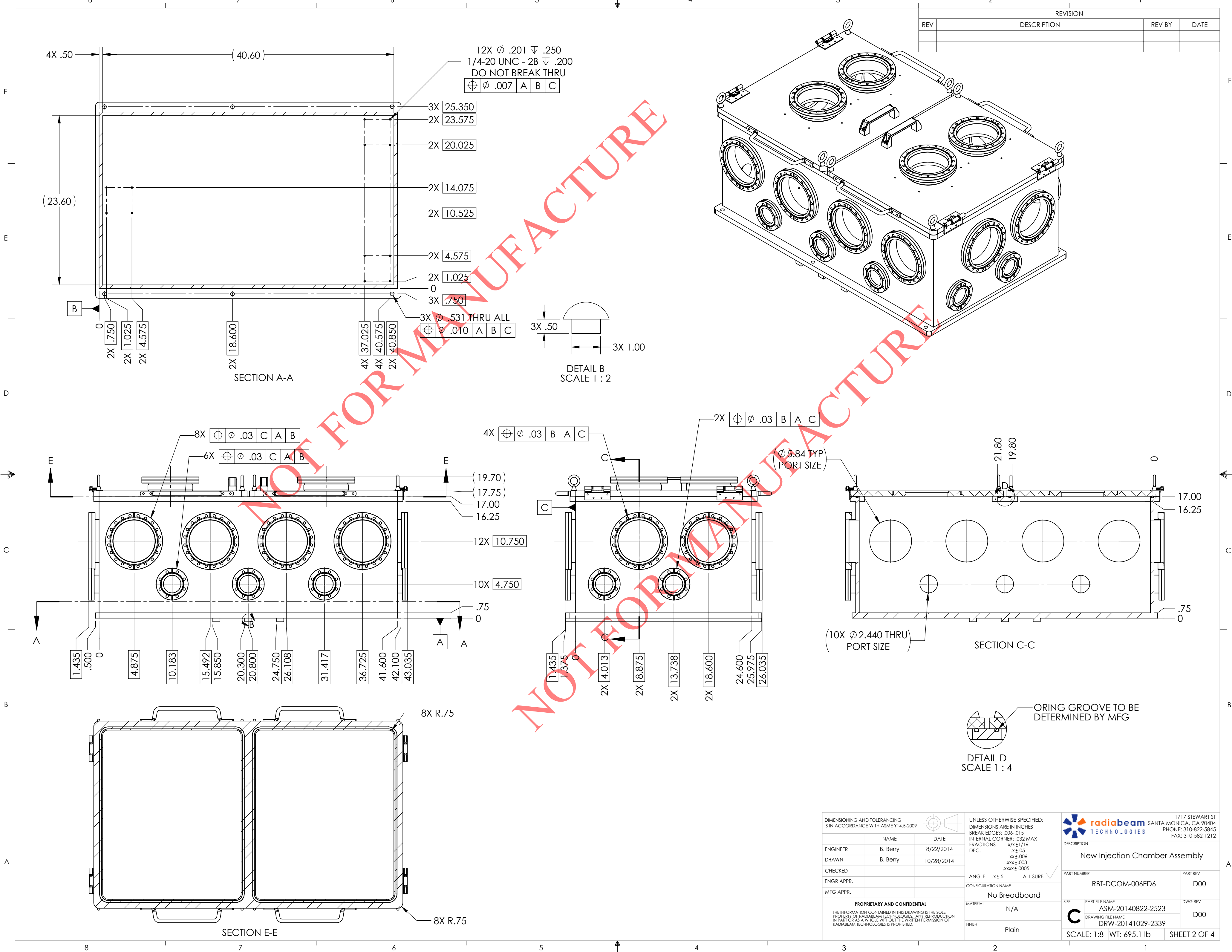


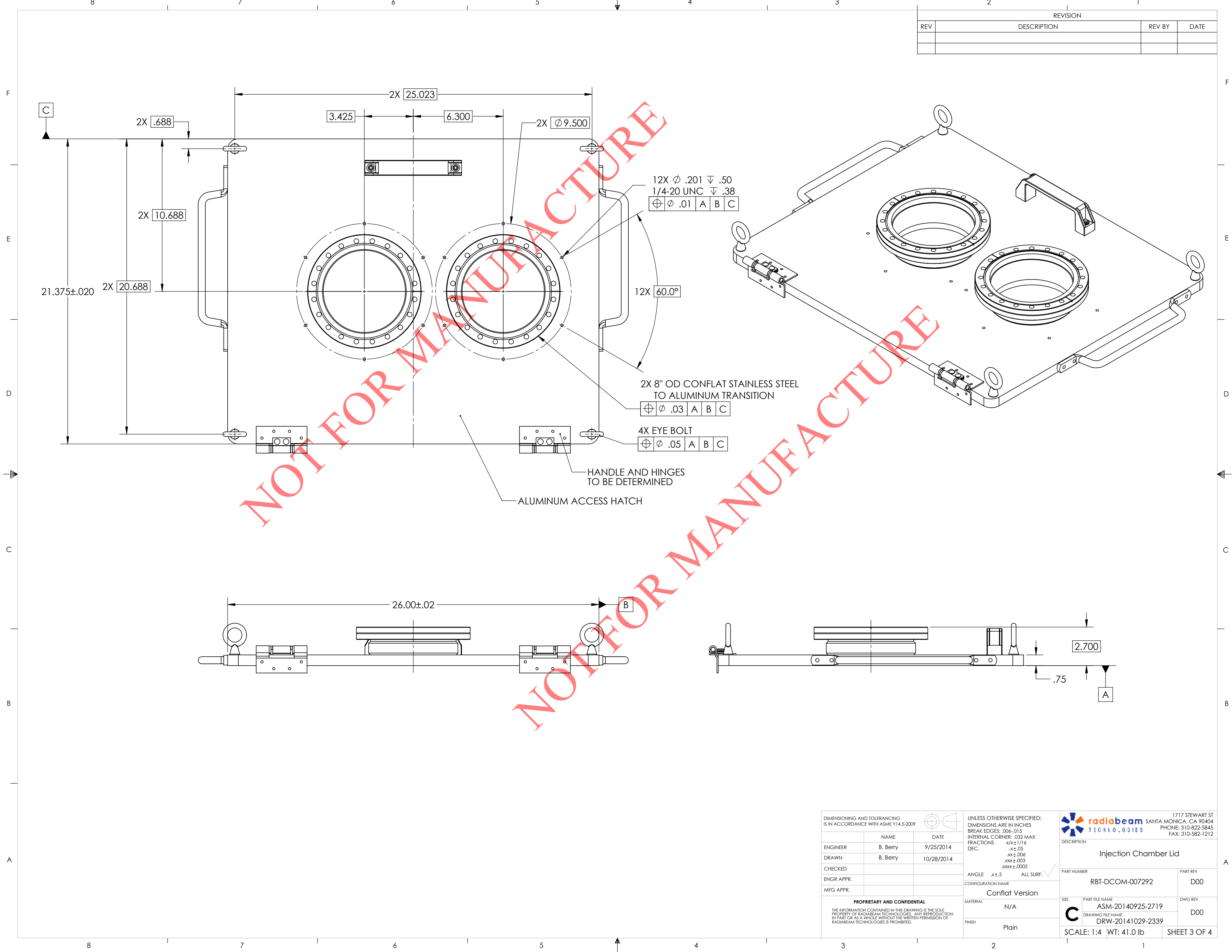
- NOTES:
- INTERNAL SURFACE AREA = 2.82 M².
 - TARGET VACUUM LEVEL = 1X10⁻⁷ TORR IN CHAMBER CENTER WITH 45L/S PUMP.
 - LID TO BE HINGED AND SUPPORTED IN OPEN CONFIGURATION WITH GAS SHOCKS. IT IS TO BE SEALED WITH VITON GASKET UNDER ITS OWN WEIGHT (NO FASTENERS). ALUMINUM LIDS PREFERRED.
 - ONLY FULL PENETRATION OR INTERNAL WELDS PERMITTED.
 - TARGET 16 μ-INCH FINISH ON INTERNAL VACUUM SURFACES. 32 μ-INCH FINISH IS ACCEPTABLE WHERE 16 μ-INCH IS NOT ACHIEVABLE.
 - CLEANING AND HANDLING PROCESS SHALL, AT MINIMUM, ADHERE TO THE FOLLOWING SPECIFICATIONS AND PROCESS ORDER:
 - RAW MATERIAL SURFACES TO BE MECHANICAL POLISHED AFTER WATER JET CUTTING.
 - ROUGH WASH ALL COMPONENTS WITH A DI WATER AND SOAP SOLUTION PRIOR TO WELDING.
 - POWER WASH WITH DI AND SOAP SOLUTION AT 240°F FOLLOWED BY HOT DI WATER RINSE OF THE FULLY WELDED ASSEMBLY.
 - LEAK TEST TO BE PERFORMED WITH A MAXIMUM PERMISSIBLE LEAK RATE OF 1X10⁻⁹ STD ATM CC-SEC.
 - FOLLOWING SUCCESSFUL LEAK CHECK, ASSEMBLY WILL BE ELECTROPOLISHED WITH A PASSIVATION RINSE.
 - ALL FINAL ASSEMBLY WILL BE PERFORMED WEARING GLOVES AND MINIMIZING CONTACT WITH INTERNAL CHAMBER SURFACES. ISOPROPYL ALCOHOL WILL BE USED FOR A FINAL WIPE DOWN DURING ASSEMBLY. ASSEMBLY WILL BE PERFORMED IN A CLASS 100,000 AREA.
 - CHAMBER TO BE SHIPPED UNDER POSITIVE NITROGEN PRESSURE OF 18 PSI MINIMUM (~3 PSI OVER) STANDARD PRESSURE AT SEA LEVEL.
 - HANDLES AND HINGES ARE FOR REFERENCE ONLY. PLACEMENT, STYLE, AND ATTACHMENT TO CHAMBER TO BE DETERMINED BY VENDOR AND SUBMITTED TO RADIABEAM TECHNOLOGIES FOR APPROVAL.
 - ALUMINUM TO 304 STAINLESS STEEL 8" CONFLAT WELD NECK TRANSITION, TWO PLACES.
 - STAINLESS STEEL REINFORCEMENT BARS TO BE WELDED SEPERATELY TO CHAMBER BASE, SEAM WELDS ACCEPTABLE.
 - MATERIAL CERTIFICATION REQUIRED. CHAMBER TO BE MADE OF 304 OR 316 STAINLESS STEEL WITH THE EXCEPTION OF THE LIDS.

DIMENSIONING AND TOLERANCING IS IN ACCORDANCE WITH ASME Y14.5-2009		
NAME	DATE	
ENGINEER B. Berry	8/22/2014	
DRAWN B. Berry	10/28/2014	
CHECKED		
ENGR APPR.		
MFG APPR.		
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF RADIABEAM TECHNOLOGIES. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF RADIABEAM TECHNOLOGIES IS PROHIBITED.		

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES BREAK EDGES: .006-.015 INTERNAL CORNER: .032 MAX FRACTIONS DEC. x/x ± 1/16 x ± .05 xxx ± .006 xxxx ± .003 xxxxx ± .0005		
ANGLE	x ± .5	ALL SURF.
CONFIGURATION NAME No Breadboard		
MATERIAL	N/A	
FINISH	Plain	

 1717 STEWART ST SANTA MONICA, CA 90404 PHONE: 310-822-5845 FAX: 310-582-1212	
DESCRIPTION New Injection Chamber Assembly	
PART NUMBER RBT-DCOM-006ED6	PART REV D00
SIZE C	PART FILE NAME ASM-20140822-2523 DRAWING FILE NAME DRW-20141029-2339
SCALE: 1:8	WT: 695.1 lb
SHEET 1 OF 4	





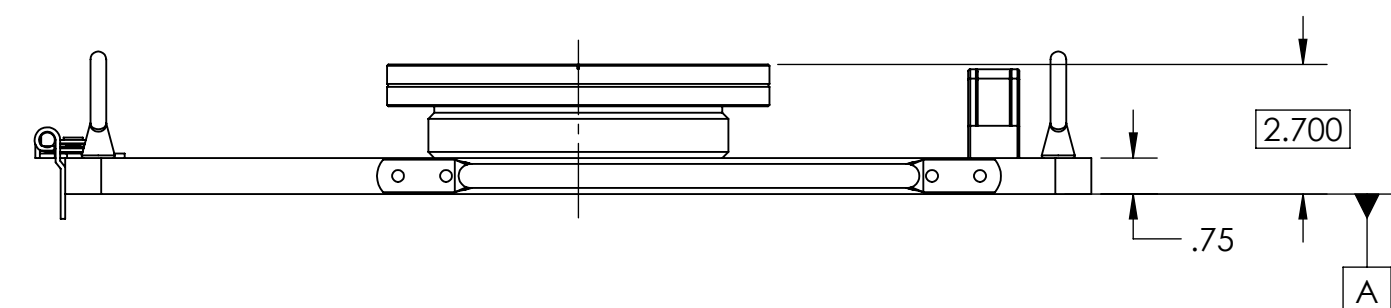
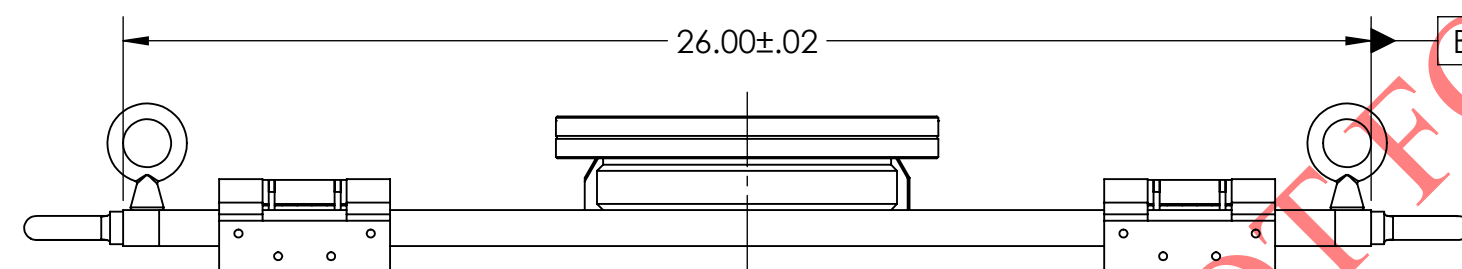
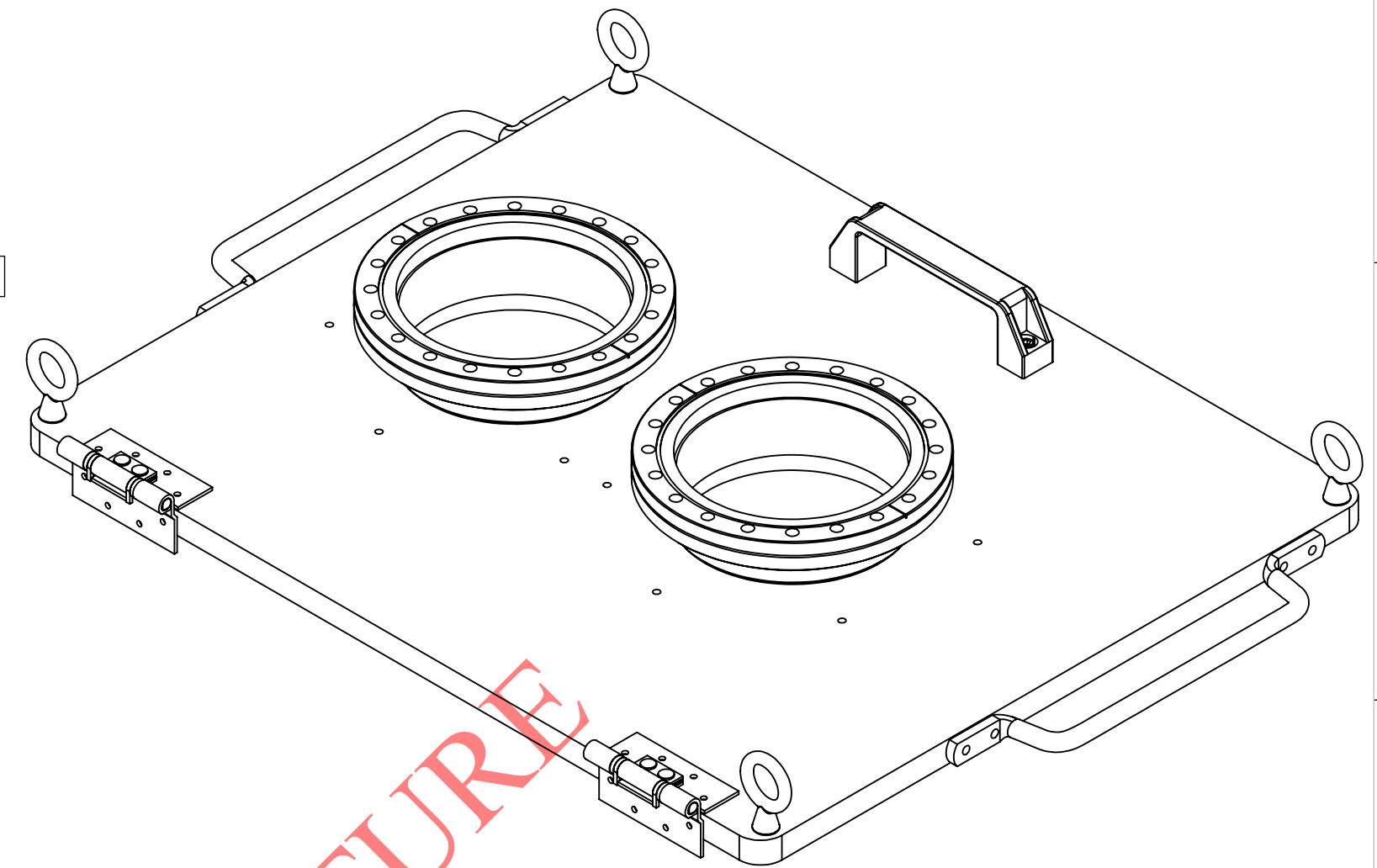
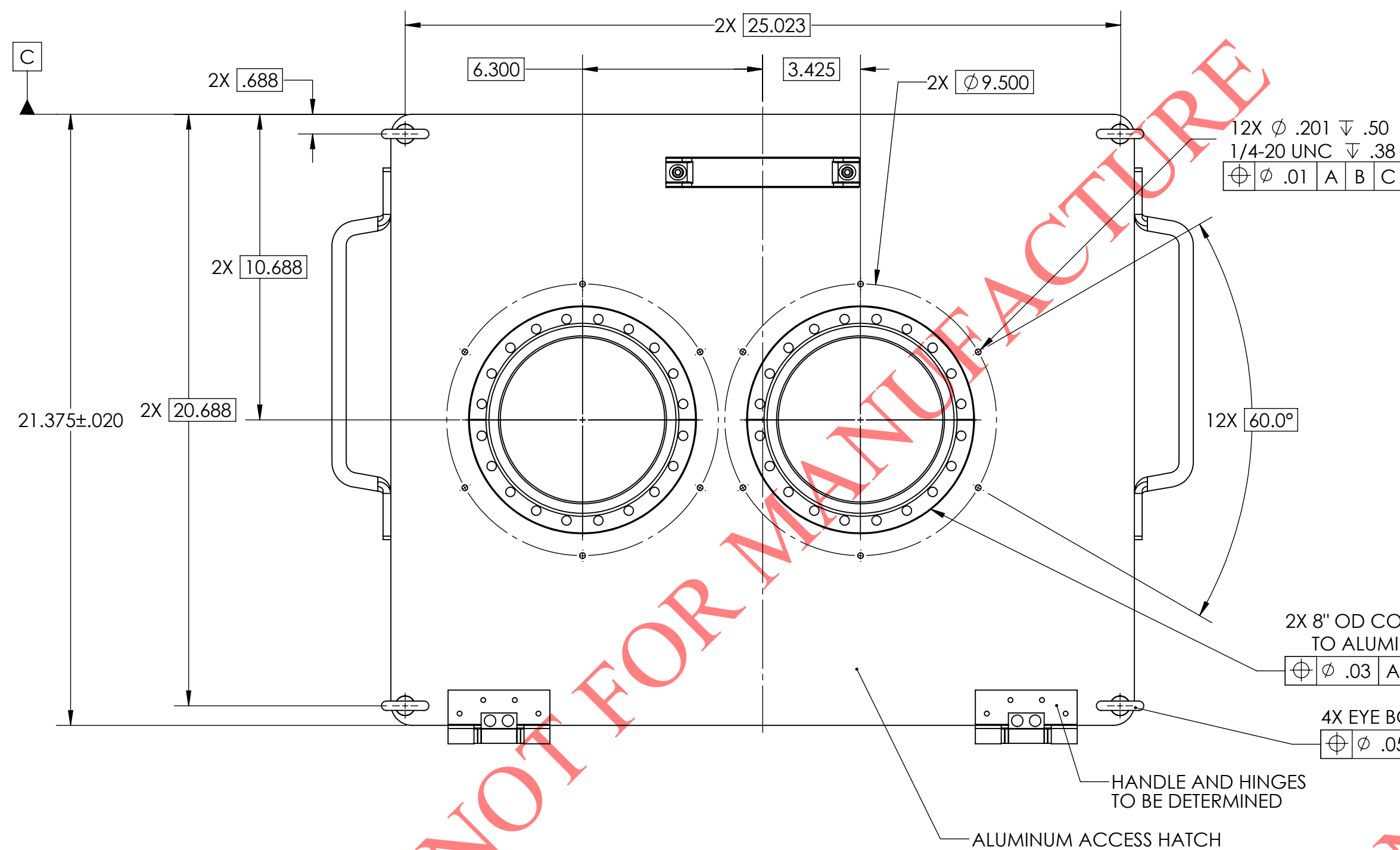
REVISION			
REV	DESCRIPTION	REV BY	DATE

DIMENSIONING AND TOLERANCING IS IN ACCORDANCE WITH ASME Y14.5-2009		
ENGINEER	NAME B. Berry	DATE 9/25/2014
DRAWN	B. Berry	10/28/2014
CHECKED		
ENGR APPR.		
MFG APPR.		
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF RADIABEAM TECHNOLOGIES. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF RADIABEAM TECHNOLOGIES IS PROHIBITED.		

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES BREAK EDGES: .006-.015 INTERNAL CORNER: .032 MAX FRACTIONS DEC. x/x ± 1/16 x ± .05 xxx ± .006 xxxx ± .003 xxxxx ± .0005		
ANGLE	x ± .5	ALL SURF. ✓
CONFIGURATION NAME Conflat Version		
MATERIAL	N/A	
FINISH	Plain	

1717 STEWART ST SANTA MONICA, CA 90404 PHONE: 310-822-5845 FAX: 310-582-1212			
DESCRIPTION Injection Chamber Lid			
PART NUMBER	RBT-DCOM-007292	PART REV	D00
SIZE	PART FILE NAME ASM-20140925-2719	DWG REV	D00
DRAWING FILE NAME DRW-20141029-2339		SCALE: 1:4 WT: 41.0 lb SHEET 3 OF 4	

REVISION			
REV	DESCRIPTION	REV BY	DATE



DIMENSIONING AND TOLERANCING IS IN ACCORDANCE WITH ASME Y14.5-2009					UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES BREAK EDGES: .006-.015 INTERNAL CORNER: .032 MAX FRACTIONS $\times 1/16$ DEC. $\times .5$ $\times .01$ $\times .001$ $\times .0005$					1717 STEWART ST. SANTA MONICA, CA 90404 PHONE: 310-822-5845 FAX: 310-582-1212			
ENGINEER	B. Berry	9/25/2014	ANGLE $\times \pm .5$ ALL SURF. ✓ CONFIGURATION NAME Conflat Version			DESCRIPTION		Injection Chamber Lid					
DRAWN	B. Berry	10/28/2014				PART NUMBER		RBT-DCOM-007292		PART REV		D00	
CHECKED						SIZE		PART FILE NAME		DWG REV			
ENGR APPR.								ASM-20140925-2719		D00			
MFG APPR.			DRAWING FILE NAME		DRW-20141029-2339								
PROPRIETARY AND CONFIDENTIAL			MATERIAL		N/A		SCALE: 1:4 WT: 41.0 lb		SHEET 4 OF 4				
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF RADIABEAM TECHNOLOGIES. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF RADIABEAM TECHNOLOGIES IS PROHIBITED.			FINISH		Plain								