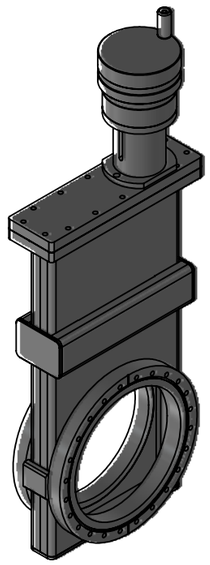

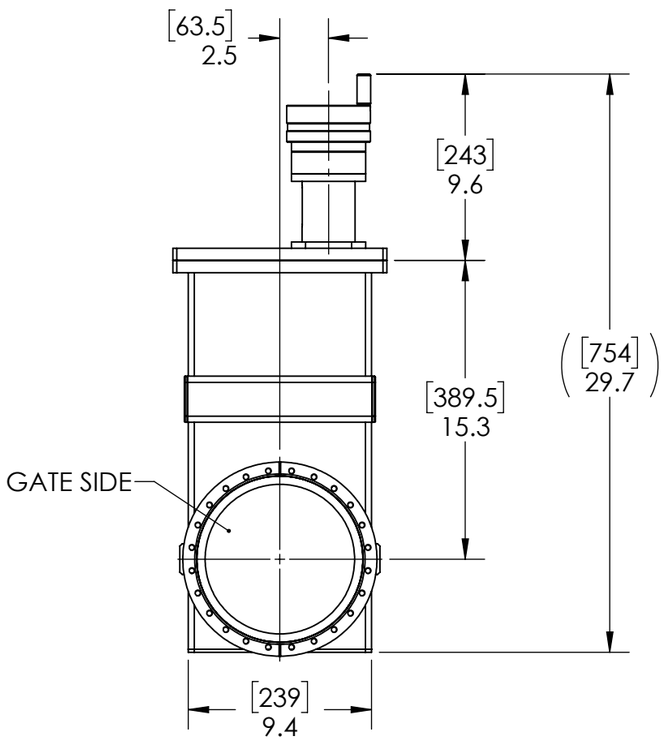

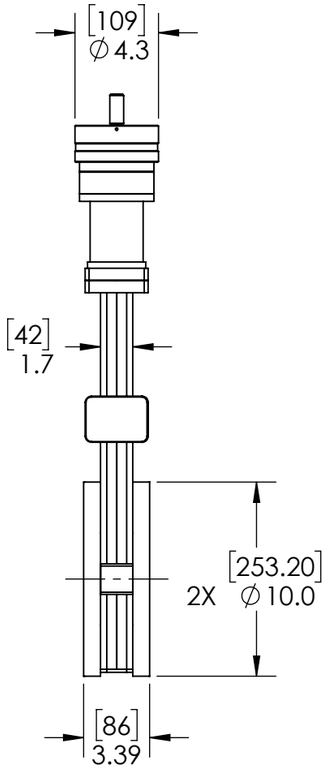

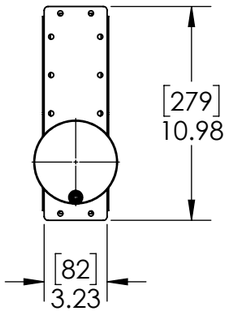

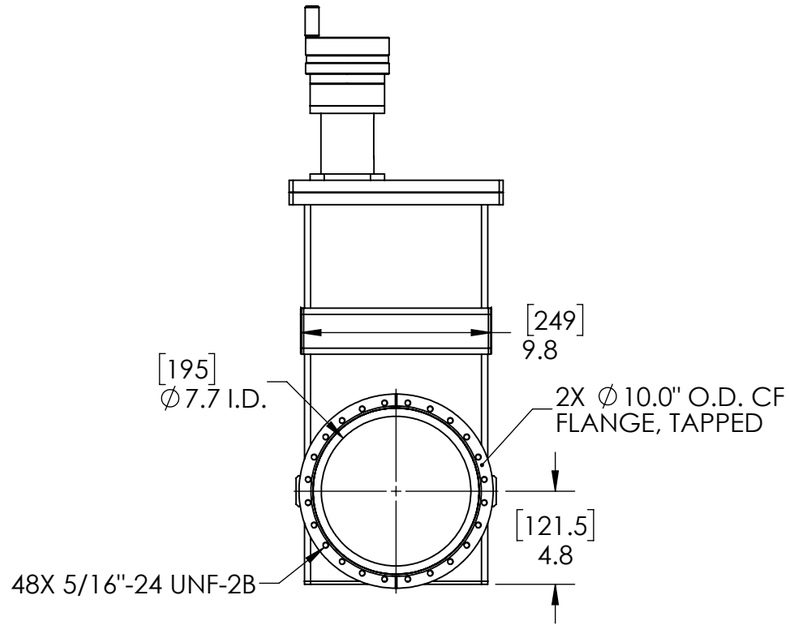

SPECIFICATIONS:
*MANUAL ACTUATION
*∅10.00" O.D. C.F. FLANGE
*WELDED BELLOWS
*VITON GATE AND METAL BONNET SEAL
*OPERATING PRESSURE RANGE: 1X10-8 MBAR TO 1200 MBAR
*DIFFERENTIAL PRESSURE AT OPENING: ≤ 30 MBAR
*DIFFERENTIAL PRESSURE ON THE GATE: ≤ 30 MBAR
*LEAK RATE: < 1.3X10-9 MBAR L/SEC
*CYCLE LIFE: 100,000
*TEMPERATUE FOR VALVE BODY: ≤ 200°C
*BAKE TEMPERATURE: ≤ 150°C (CLOSE) & ≤ 200°C (OPEN)
*SST CONSTRUCTION

NOTES:
1. ALL WELDS TO BE VAC. TIGHT TO $2x10^{-10}$ MIN. SENSITIVITY.
2. NOTE GATE SEAL SIDE.
3. DIMENSIONS IN [X.XX] ARE IN mm.

PROPRIETARY AND CONFIDENTIAL
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DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONAL ± N/A
ANGULAR: MACH ± BEND ± .5°
ONE PLACE DECIMAL ± .1
TWO PLACE DECIMAL ± .01
THREE PLACE DECIMAL ± .005
SURFACE FINISH 63 R.M.S.

FINISH:

thermionics laboratory, inc.

DO NOT SCALE DRAWING | REVISION

thermionics laboratory inc.
3118 Depot Rd., Hayward Ca. 94545

	NAME	SIGNATURE	DATE		USED ON	NEXT ASSY.
DESIGN/ENG.						GEN. USE
CHK'D						
APPV'D						
MFG						
Q.A				MATERIAL:		
				WEIGHT:		

TITLE:
MANUAL GATE VALVE, METAL BONNET, OUTLINE DRAWING

DWG NO. TLG8000-100-21-(1000800)-1200 | A3

SCALE:1:8 | SHEET 1 OF 1