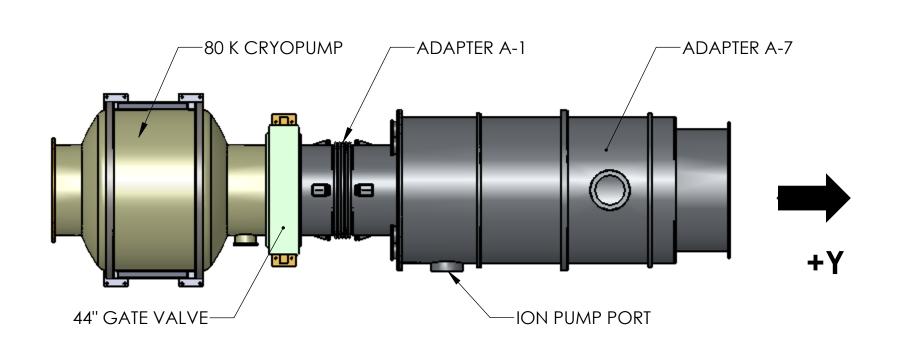
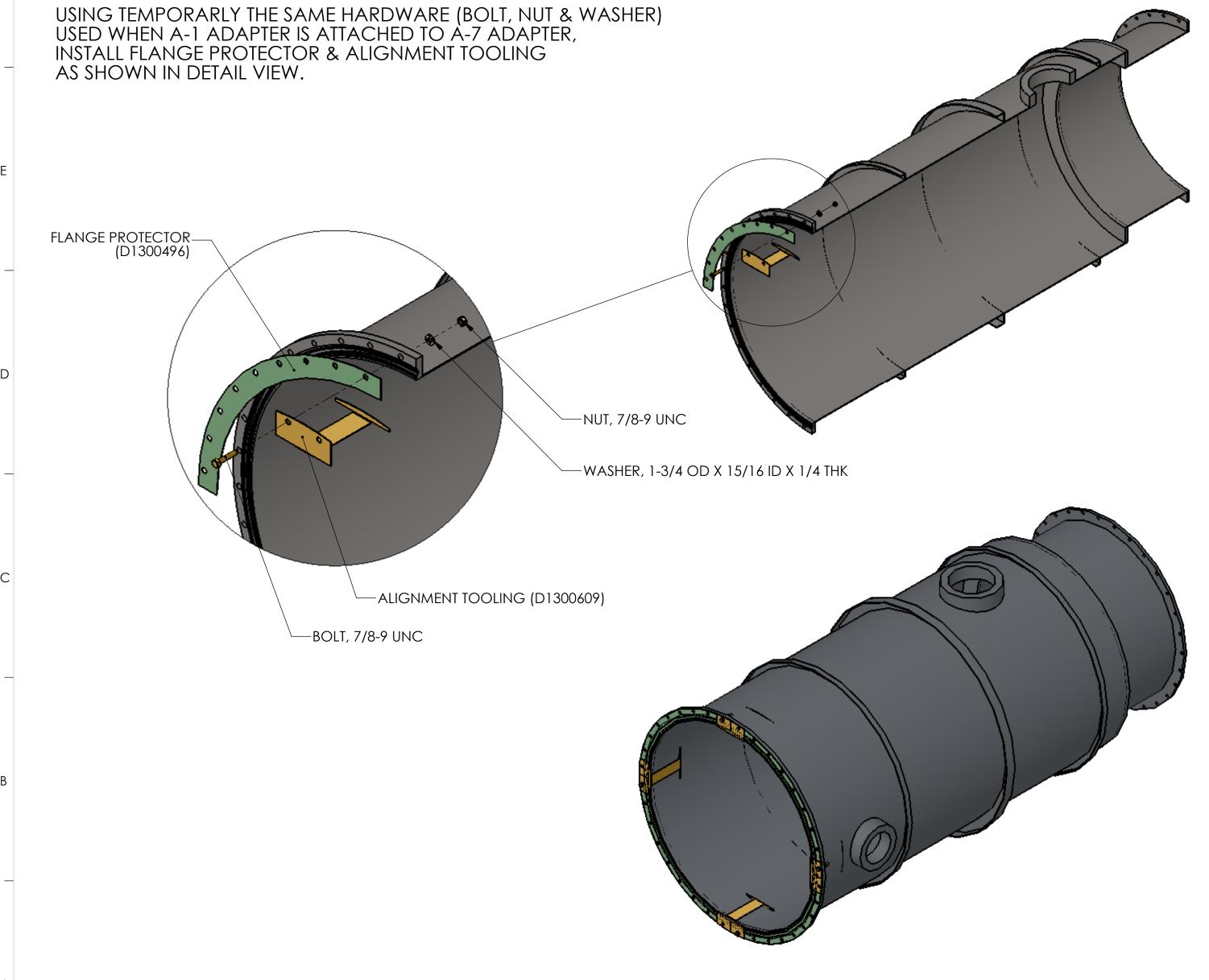


INSTALLATION OF MANIFOLD CRYOPUMP BAFFLE INTO A-7 ADAPTER (LHO & LLO Y-END STATION)

1) PARTIAL VE LAYOUT (LHO & LLO Y-END STATION)

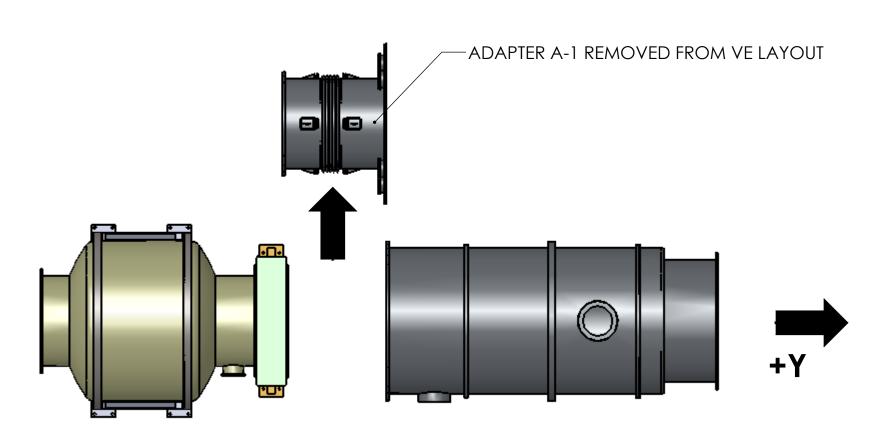


3) INSTALL FLANGE PROTECTOR & ALIGNMENT TOOLING AT A-7 ADAPTER

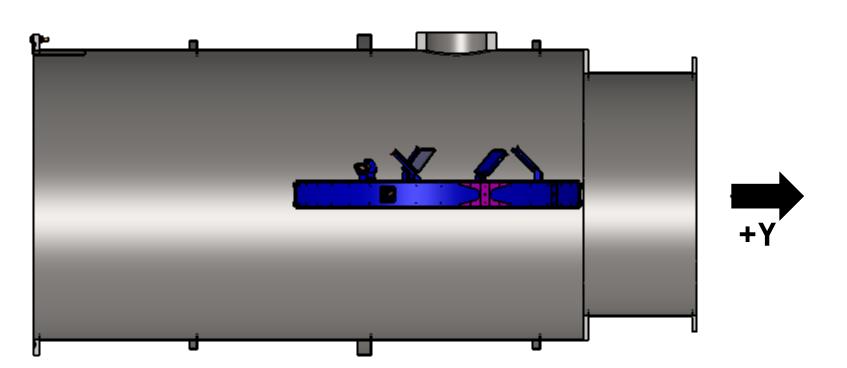


INSTALL 4X FLANGE PROTECTOR (D1300496) & 4X ALIGNMENT TOOLING (D1300609) EQUALLY SPACED AT 90° AS SHOWN.

2) REMOVE A-1 ADAPTER

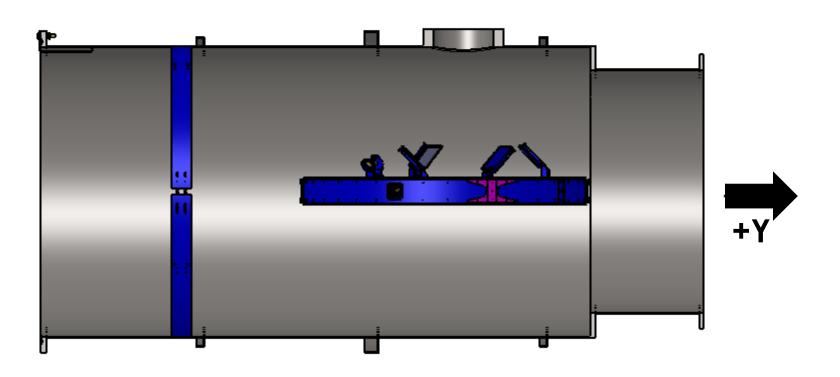


4) INSERT PCAL-VIDEO CAM PERISCOPE INSIDE A-7 ADAPTER



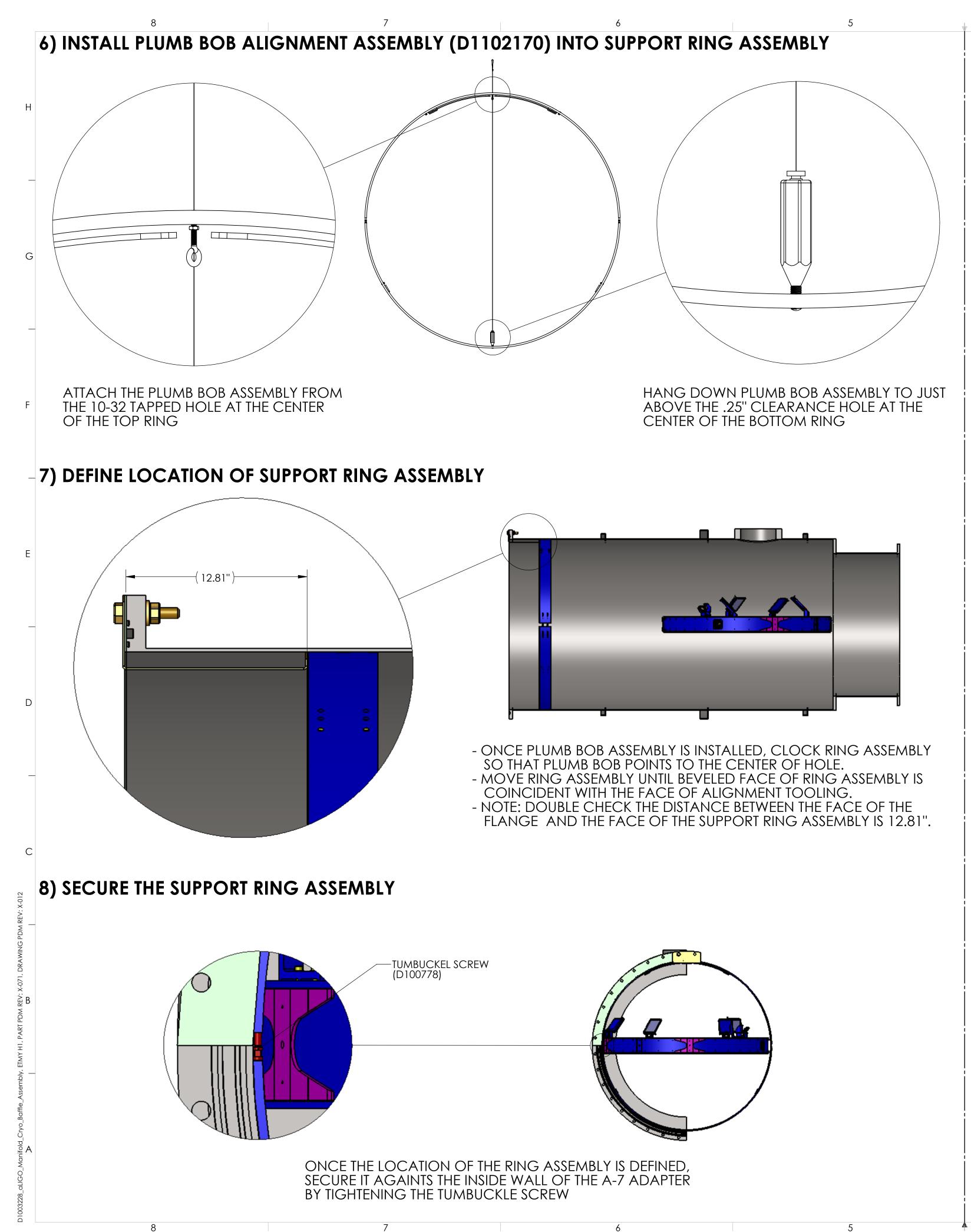
INSERT PCAL-VIDEO CAM PERISCOPE INSIDE A-7 ADAPTER FAR ENOUGH TO HAVE ROOM TO INSERT CRYOPUMP BAFFLE. LAID IT DOWN HORIZONTALLY TO ALLOW ACCESS OF PERSONNEL ENTERING FROM BSC CHAMBER TO WALK TO THE OPENING OF A-7 ADAPTER AND ASSIST IN THE INSTALLATION OF BAFFLE. (FINAL POSITION OF PCAL WILL BE DEFINED AFTER FINAL LOCATION OF CRYOPUMP BAFFLE).

5) INSERT SUPPORT RING ASSEMBLY (D1002084) INSIDE A-7 ADAPTER

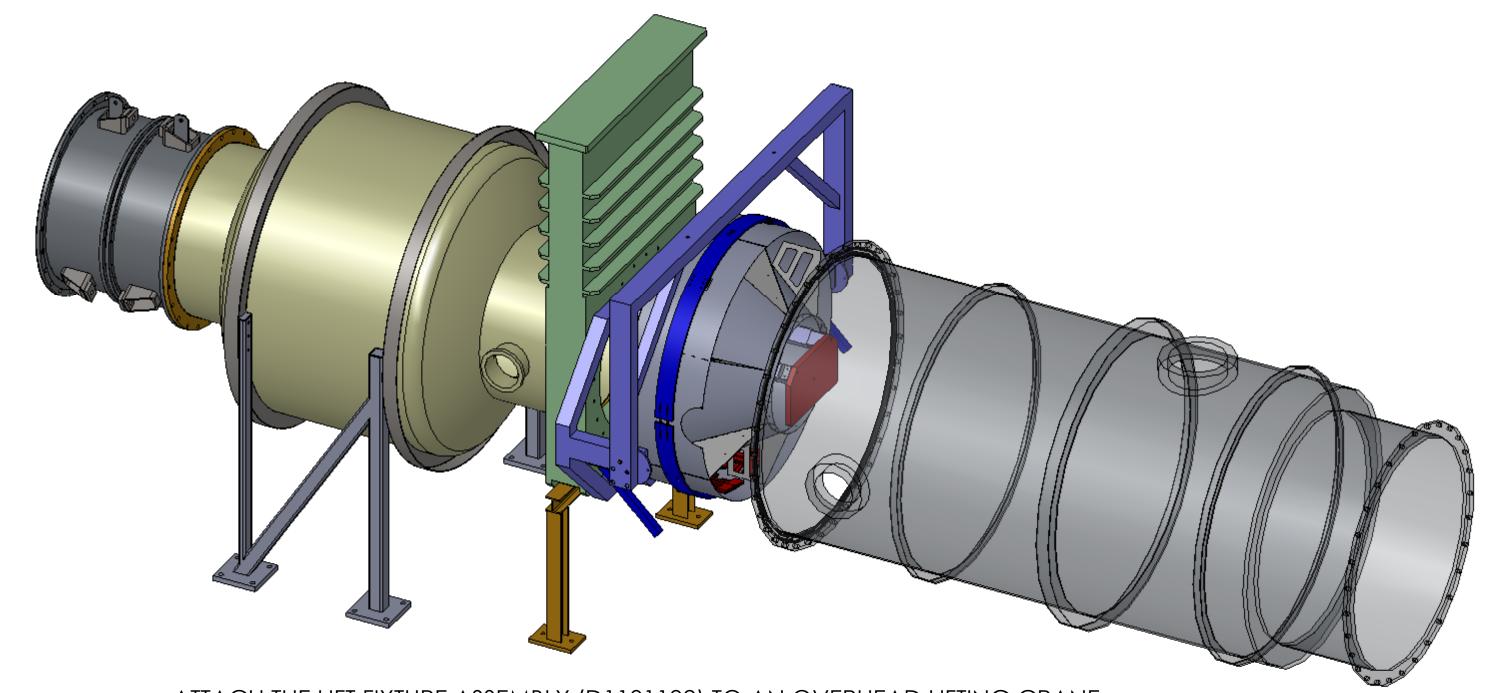


INSERT SUPPORT RING ASSEMBLY (D1002084) INTO A-7 ADAPTER FAR ENOUGH TO ALIGN IT PROPERLY AND POSITION IT AT THE FINAL LOCATION AS PER THE ALIGNMENT TOOLING. NOTE: THE BEVELED SIDE OF THE SUPPORT RING MUST FACE TOWARD THE ETMY



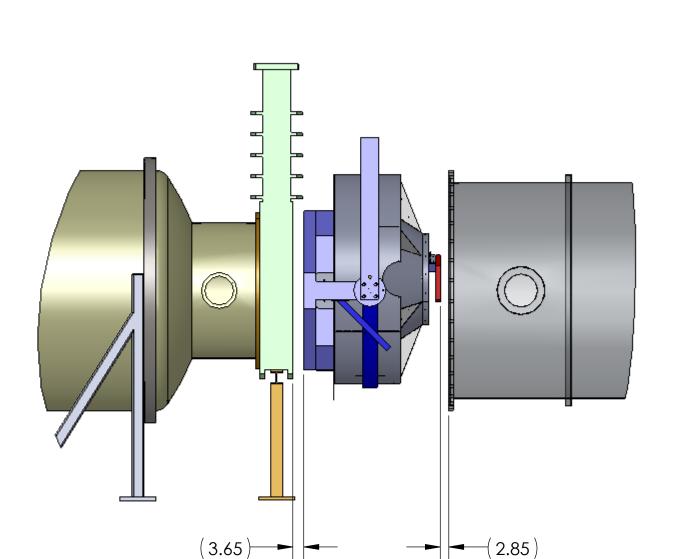


9) COMPLETE INSTALLATION OF THE MANIFOLD CRYOPUMP BAFFLE ASSEMBLY

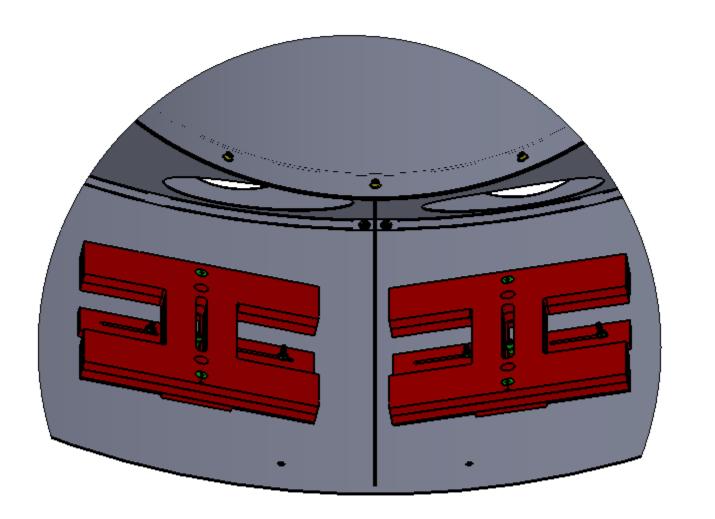


- ATTACH THE LIFT FIXTURE ASSEMBLY (D1101192) TO AN OVERHEAD LIFTING CRANE BY MEANS OF LIFTING STRAPS.
- MAKE SURE THE CUTOUT IN CRYOPUMP BAFFLE IS IN THE SAME SIDE AS THE ION PUMP PORT
- NOTE:

FOR A DETAILED INSTALLATION PROCEDURE OF THE MANIFOLD CRYOPUMP BAFFLE REFER TO INSTALLATION DOCUMENT E1300577



THERE IS A CLEARANCE OF ABOUT 6.5" BETWEEN THE GATE VALVE AND THE A-7 ADAPTER TO MANIPULATE THE LIFT FIXTURE WITH THE CRYOPUMP BAFFLE ASSEMBLY

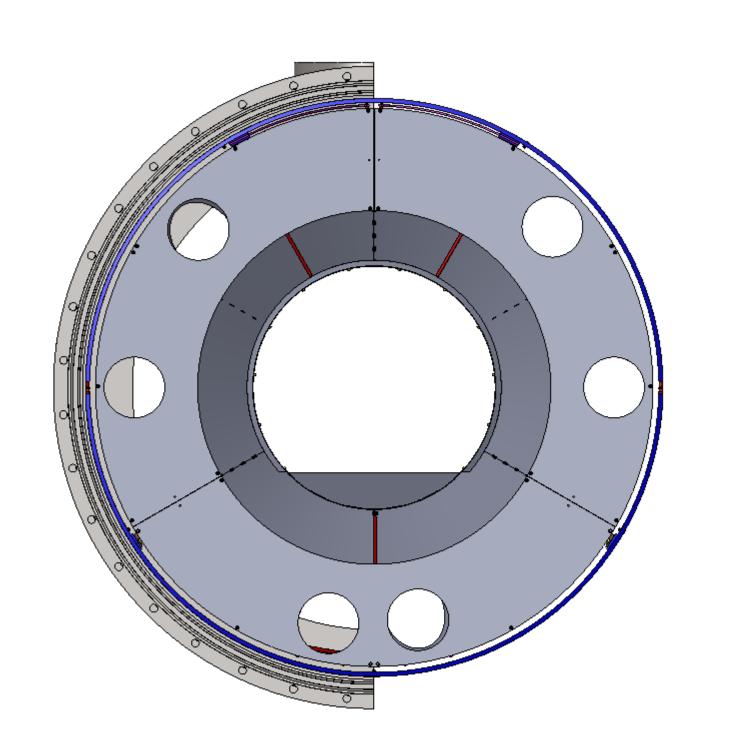


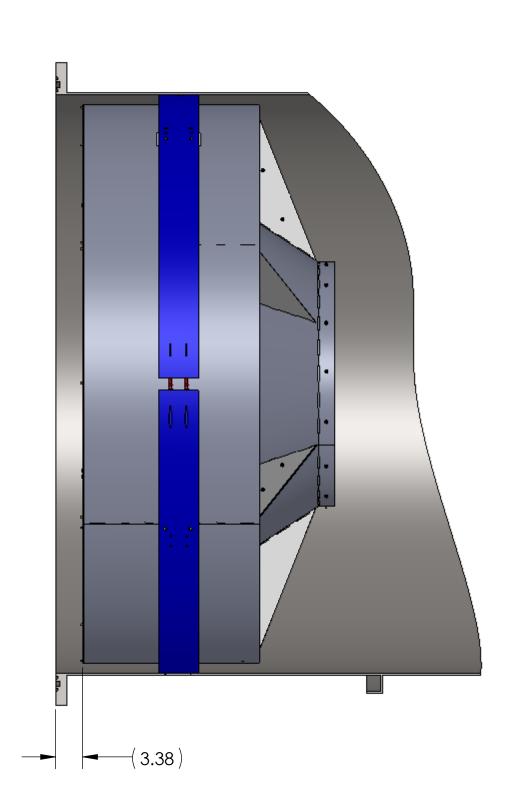
MAKE SURE THE BALANCE WEIGHT ASSEMBLY (D1002402) IS THE CORRECT ORIENTATION OF THE ARROWS.

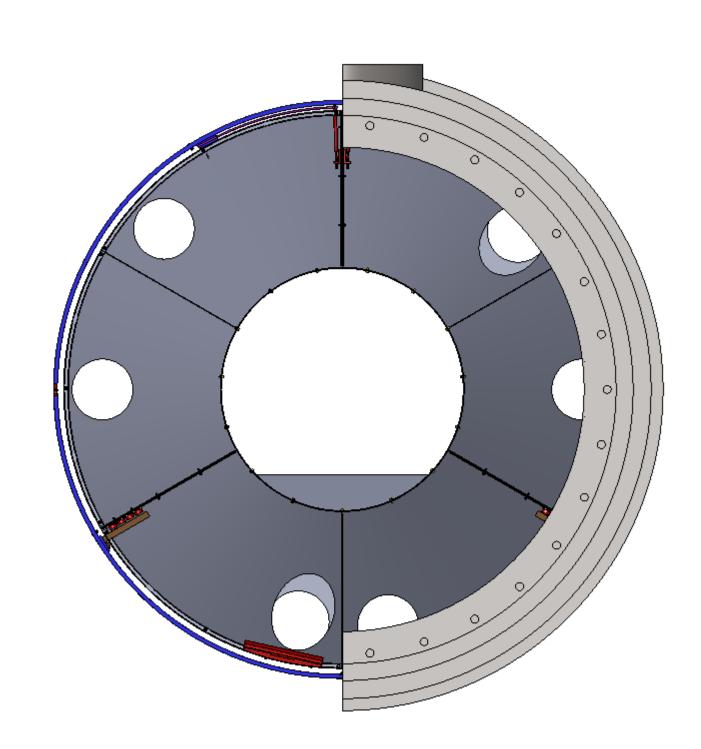
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SCALE: 1:8 PROJECTION:

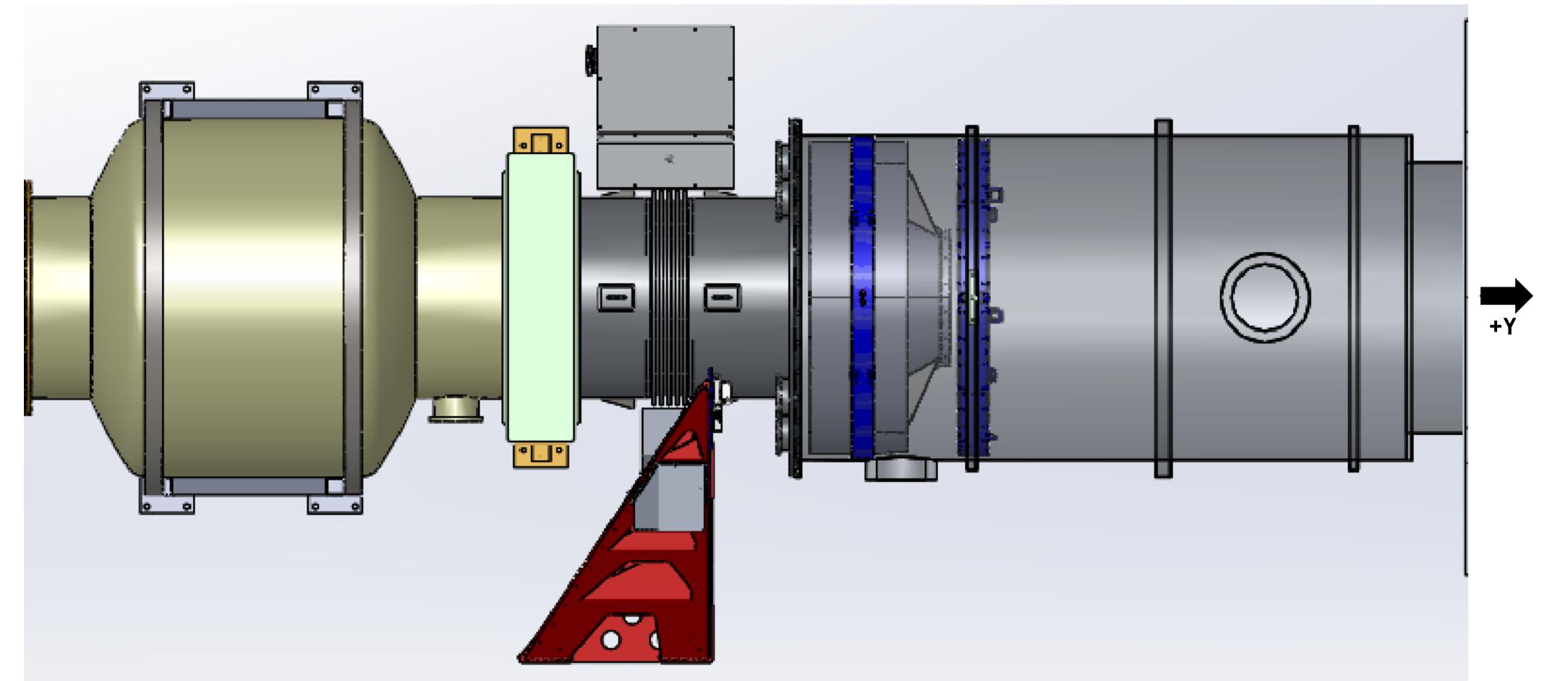
10) CRYOPUMP BAFFLE FINAL LOCATION INSIDE A-7 ADAPTER AT LHO & LLO Y-END STATION







11) TOP VIEW (ROTATED 90° CW) WITH CRYOPUMP BAFFLE FINAL LOCATION AT LHO & LLO Y-END STATION



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SIZE DWG. NO.

D 1003228 V4

SCALE: 1:24 PROJECTION: SHEET 5 OF 5

D1003228_aLIGO_Manifold_Cryo_Baffle_Assembly, ETMY H1, PART PDM REV: X-025, DRAWING PD