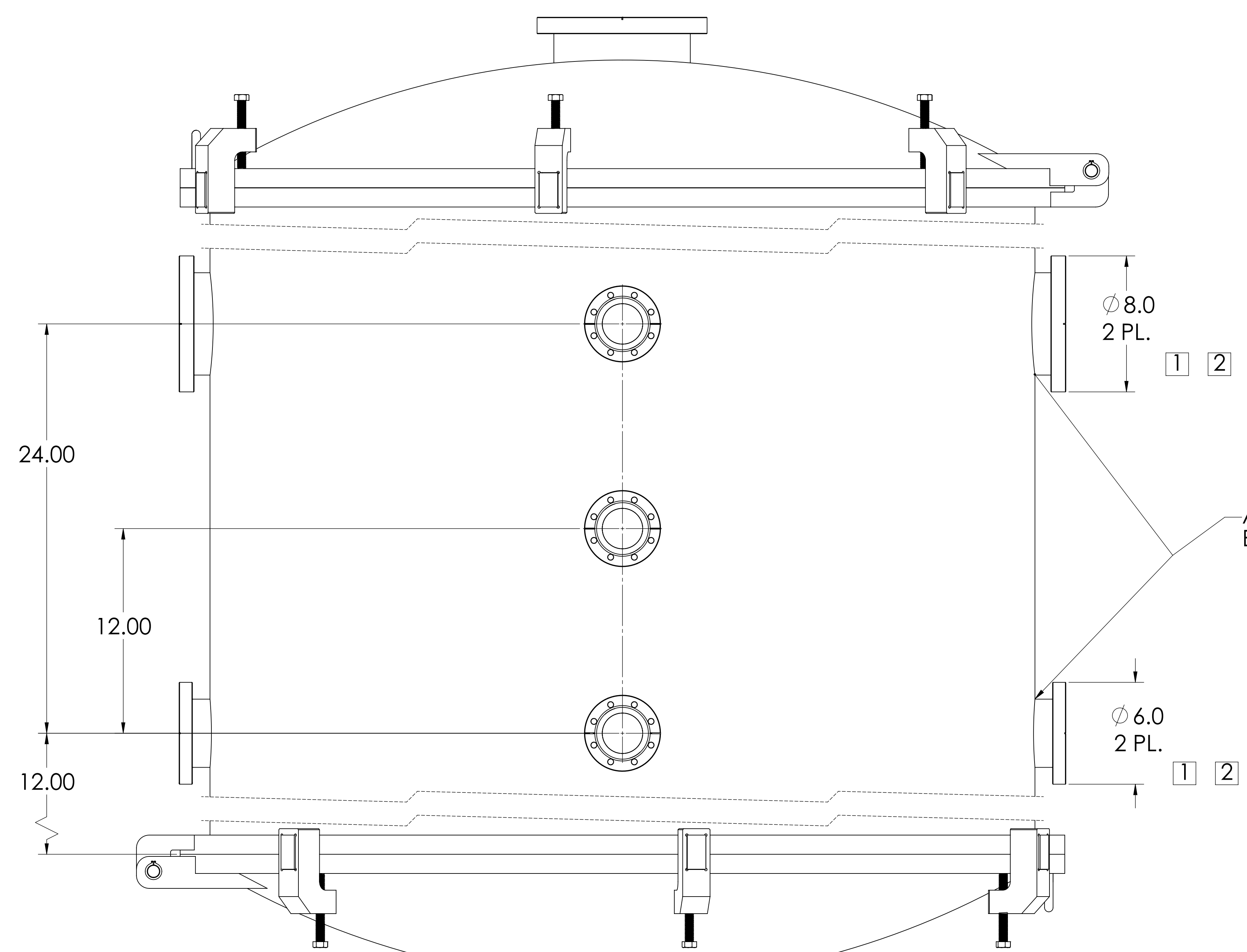
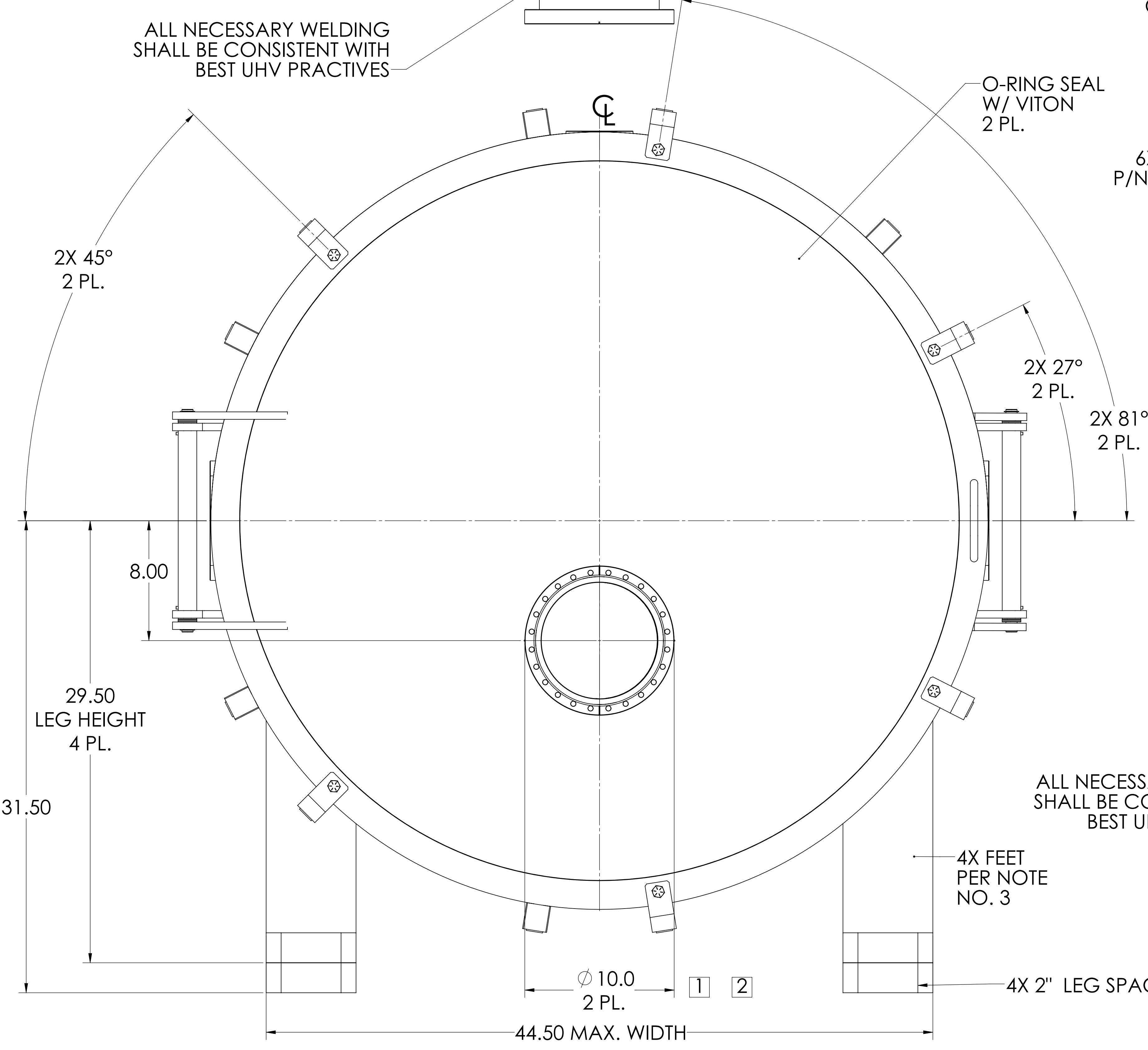


REV.	DATE	DCN #	DRAWING TREE #
v1	25 MAR 2014	-	-
v5	13 AUG 2014	-	-
v6	17 NOV 2014	-	-

- 1 ALL FLANGES ARE TO BE PROVIDED WITH BLANK-OFFS
- 2 CHAMBER SHALL BE LEAK TESTED IN CLOSE CONFIGURATION W/ BLANK OFFS (NOT SHOWN)
- 3 CHAMBER FEET SHALL BE DESIGNED/ CHOSEN TO MATCH VACUUM CHAMBER LOAD BEARING 500kg (VACUUM COMPONENTS + HARDWARE NOT INCLUDED).



ALL NECESSARY WELDING SHALL BE CONSISTENT WITH BEST UHV PRACTICES



ALL NECESSARY WELDING SHALL BE CONSISTENT WITH BEST UHV PRACTICES

6X P/N D1400373 CLAMPING SLEEVE 2 PL.

6X McMASTER-CARR P/N 95362A447 OR EQ. 2 PL.

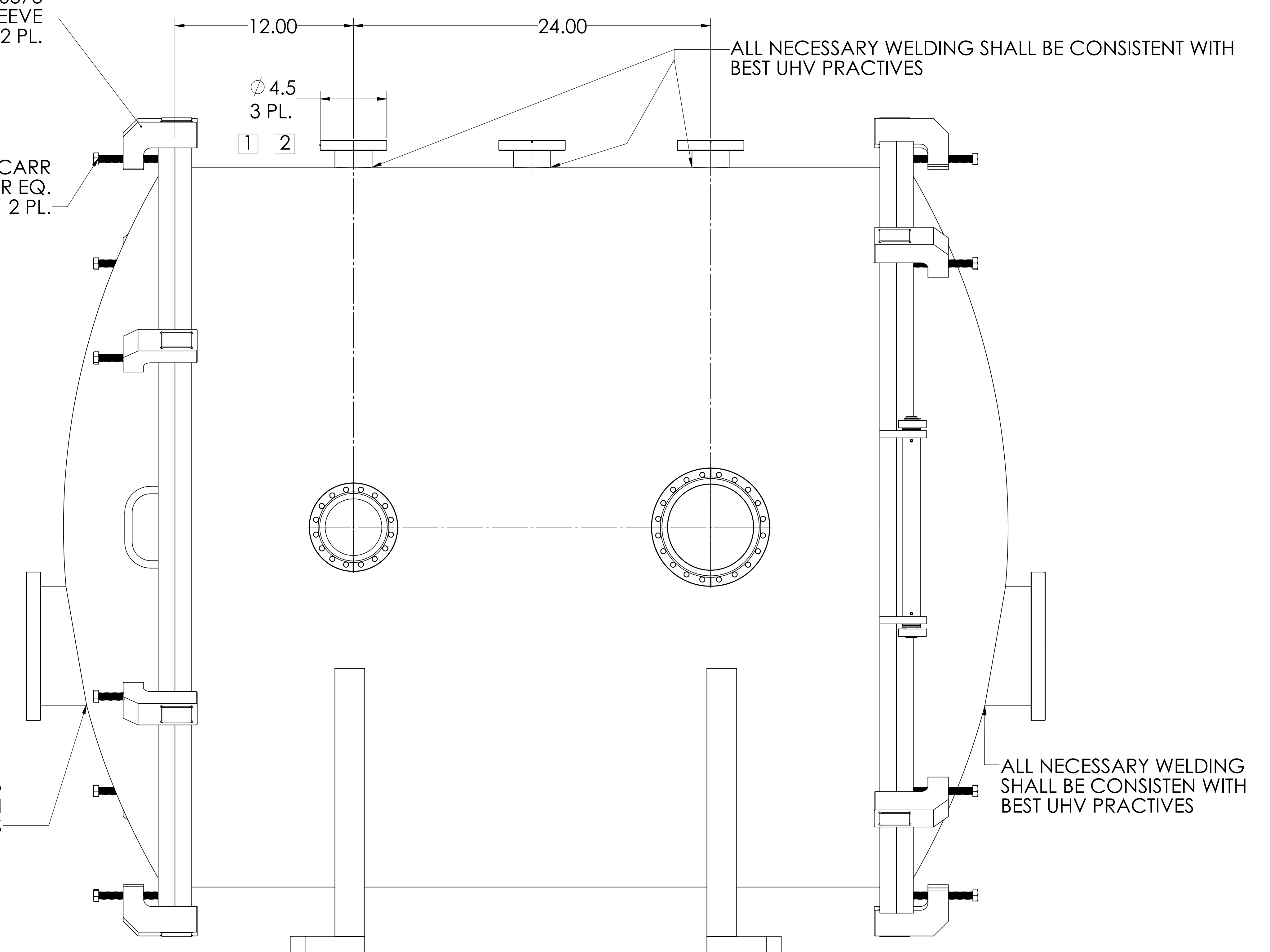
O-RING SEAL W/ VITON 2 PL.

2X 27° 2 PL.
2X 81° 2 PL.

4X FEET PER NOTE NO. 3

4X 2" LEG SPACERS

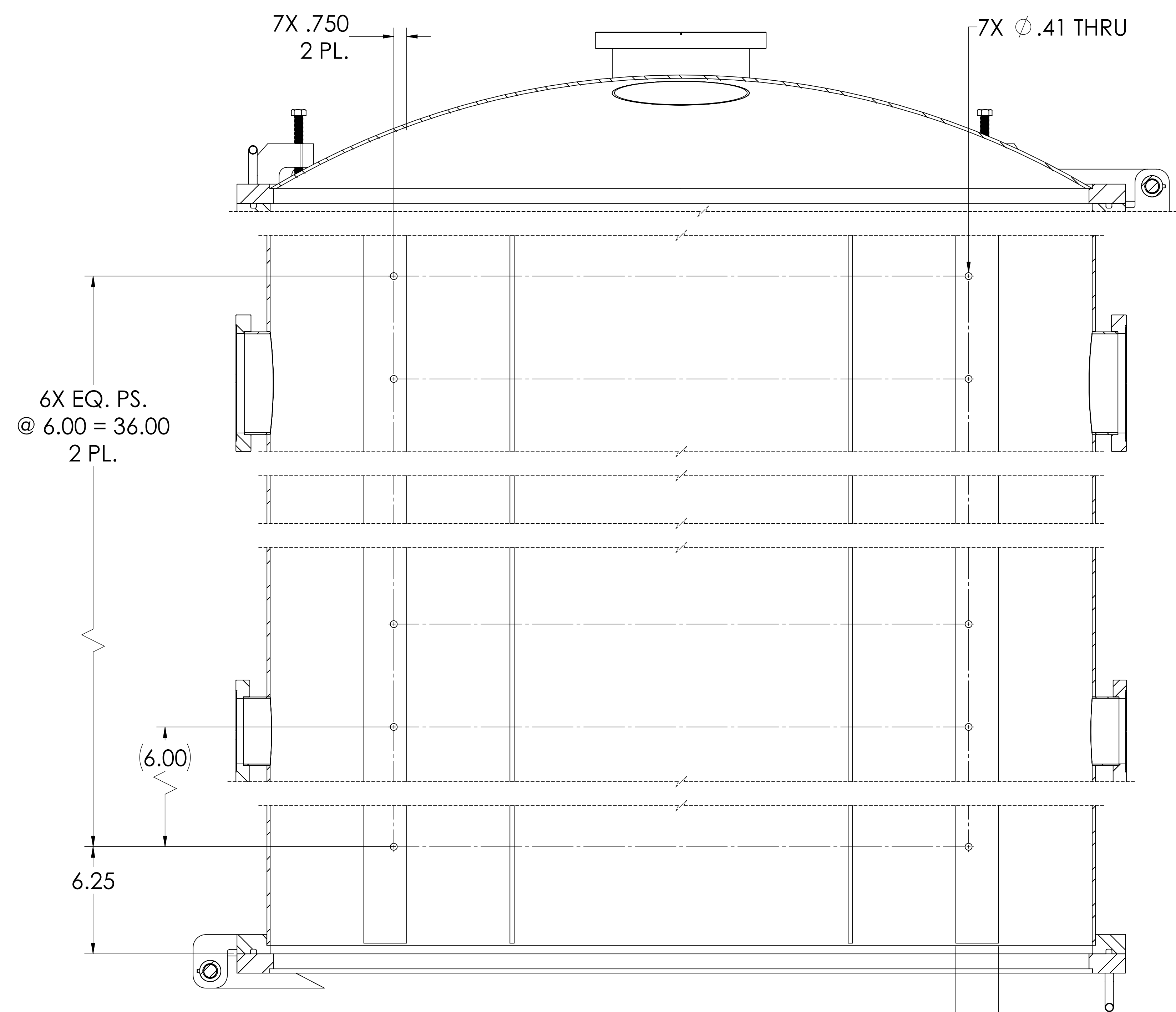
ALL NECESSARY WELDING SHALL BE CONSISTENT WITH BEST UHV PRACTICES



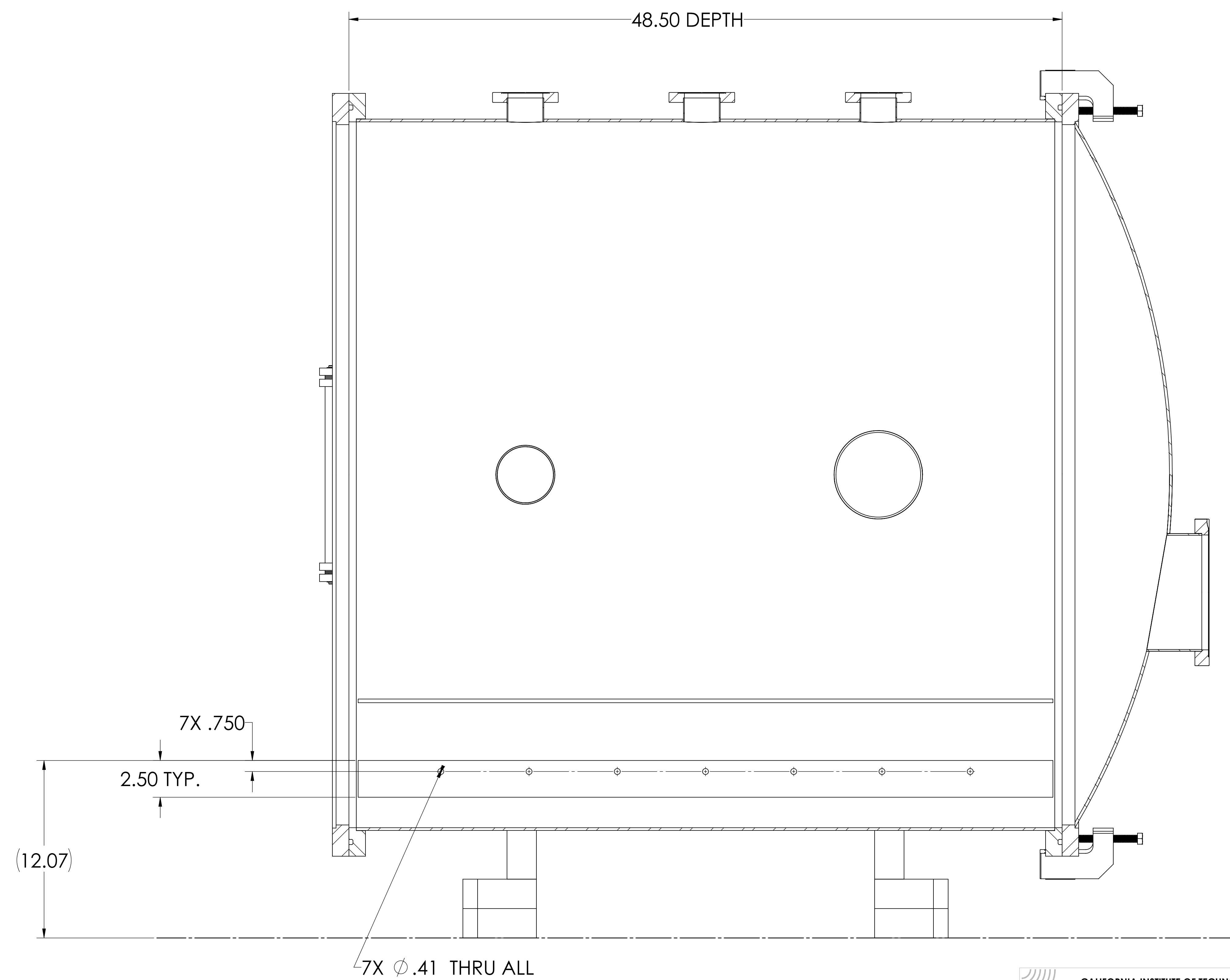
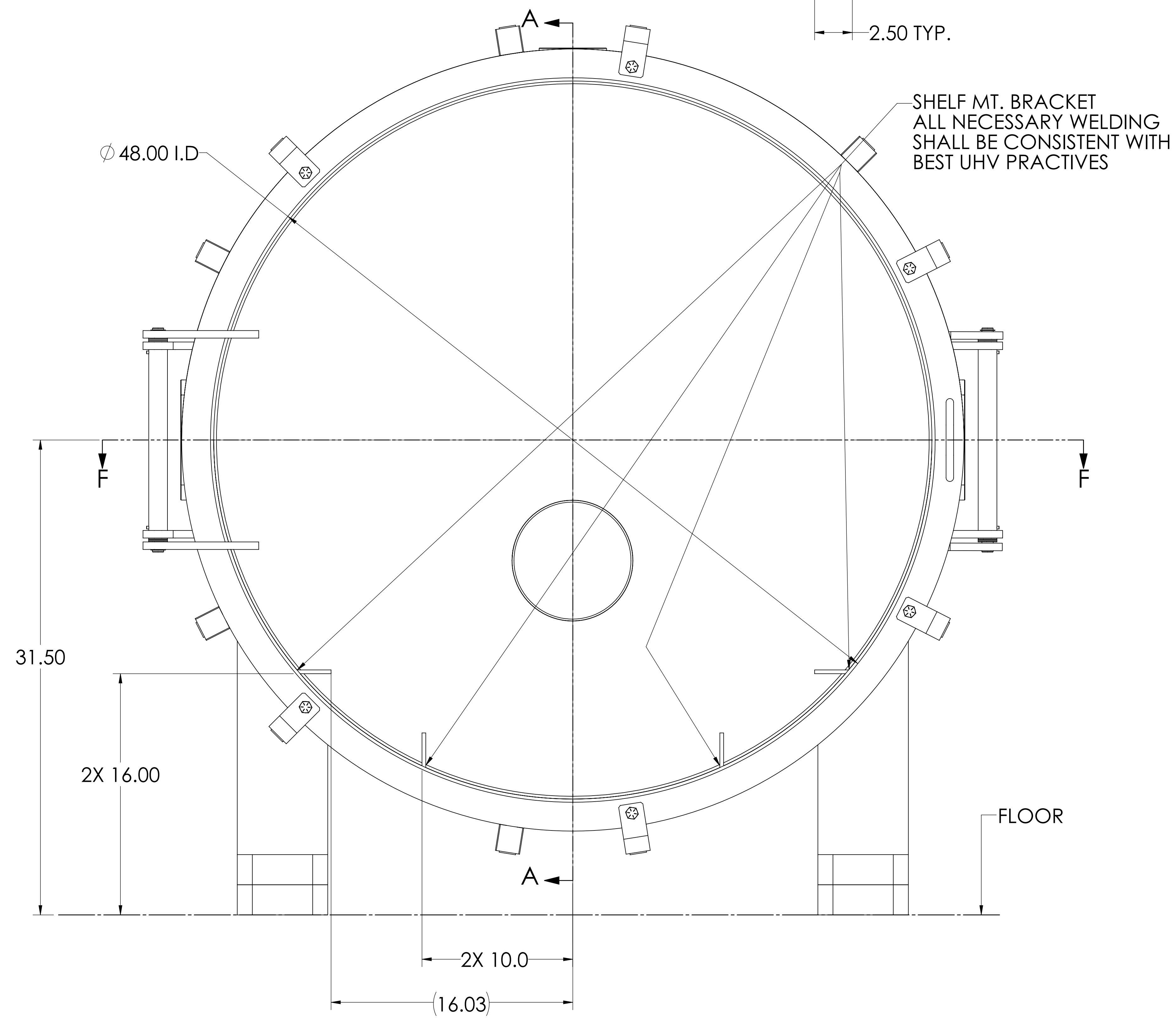
ALL NECESSARY WELDING SHALL BE CONSISTENT WITH BEST UHV PRACTICES

ALL NECESSARY WELDING SHALL BE CONSISTENT WITH BEST UHV PRACTICES

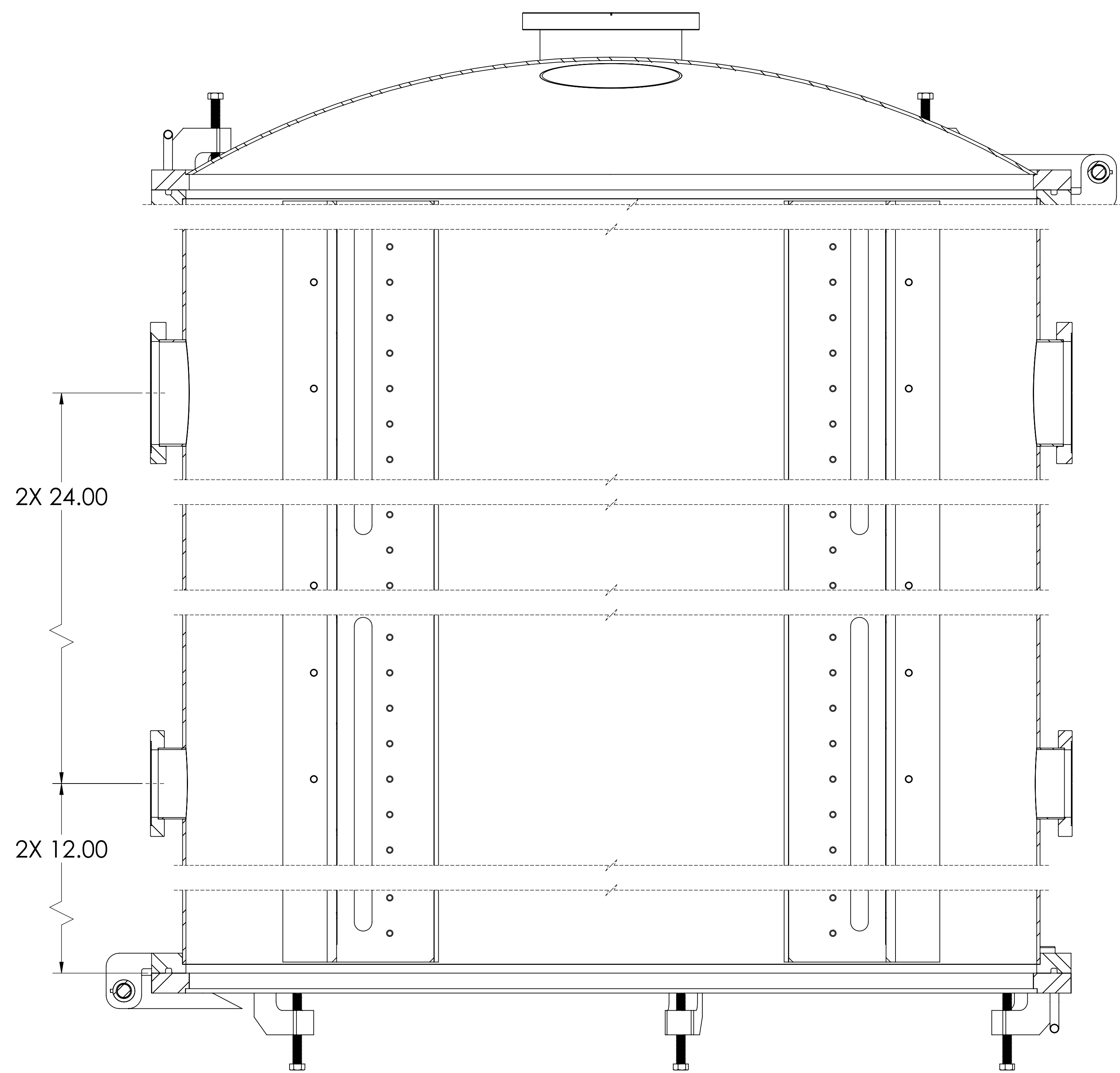
NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)		LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		PART NAME	
DIMENSIONS ARE IN INCHES		ADVANCED LIGO SUB-SYSTEM SUS		aLIGO, VAC. SYS. 48 IN. CYL.	
MATERIAL	N/A	FINISH	N/A μinch	DESIGNER	K.BUCKLAND
				DRAFTER	E.SANCHEZ
				CHECKER	SEE DCC
				APPROVAL	SEE DCC
				SCALE	1:4
				PROJECTION	
				SIZE	DWG. NO.
				E	D1400138
				REV.	v6
					SHEET 1 OF 8



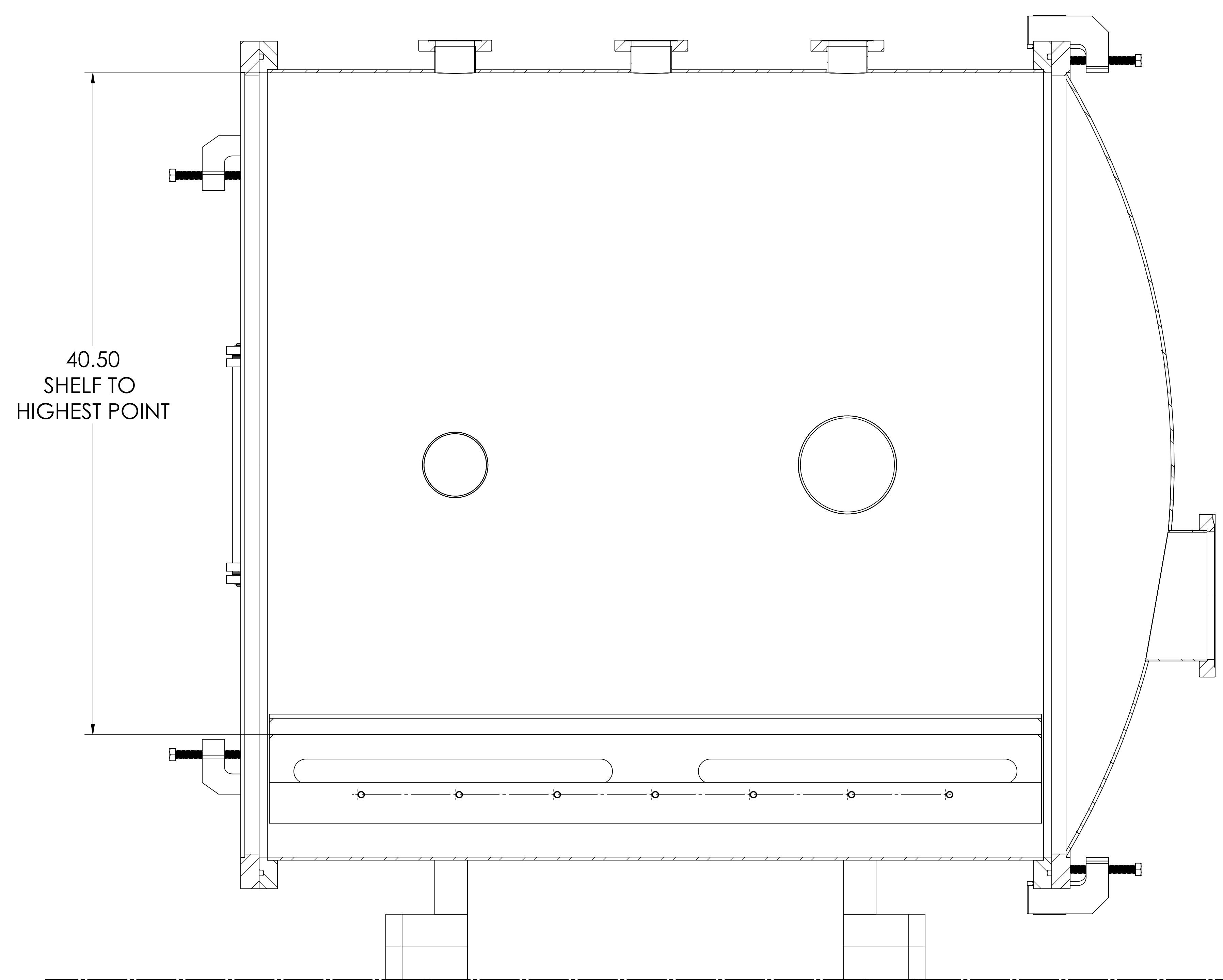
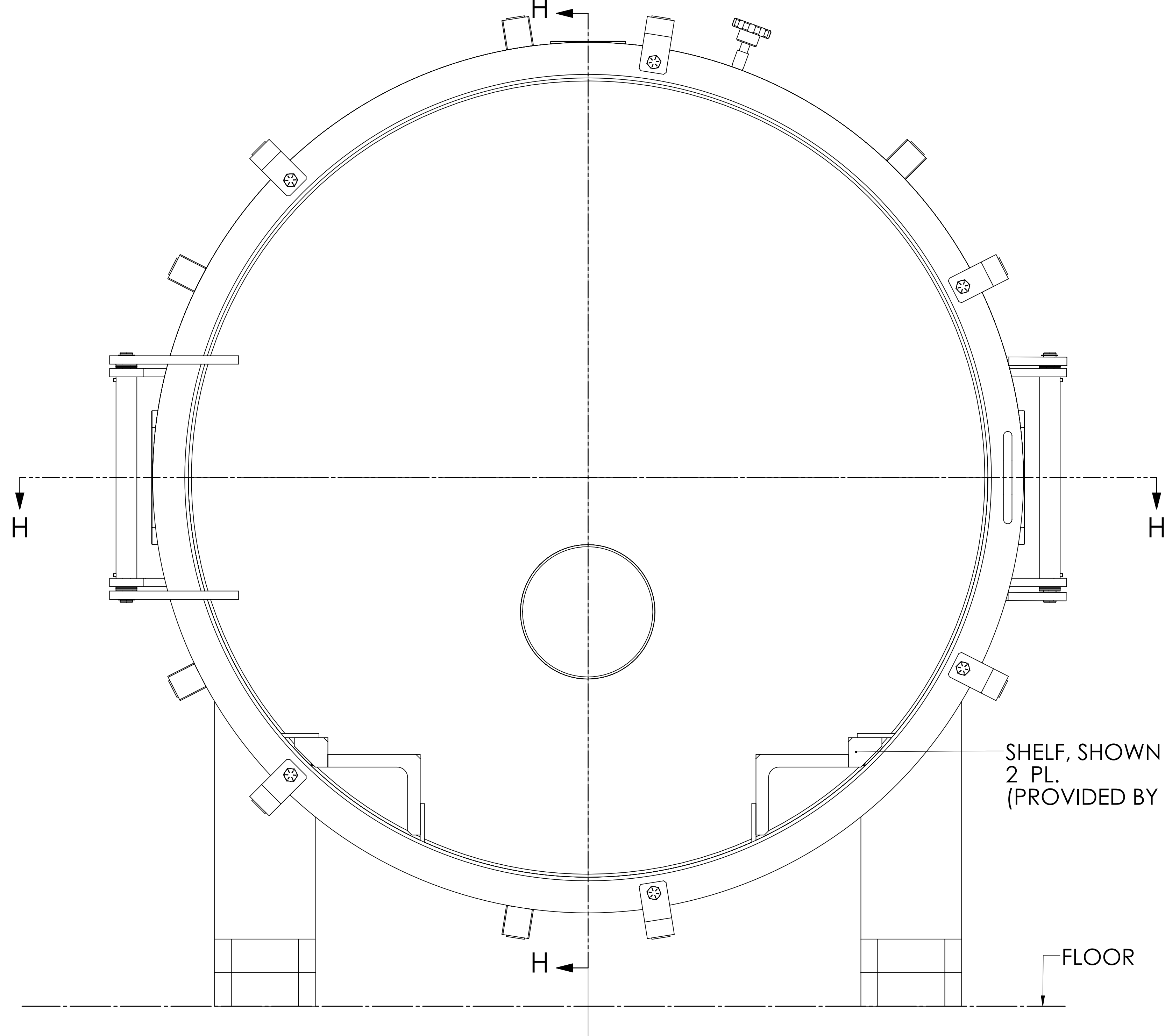
SECTION F-F



SECTION A-A



SECTION H-H

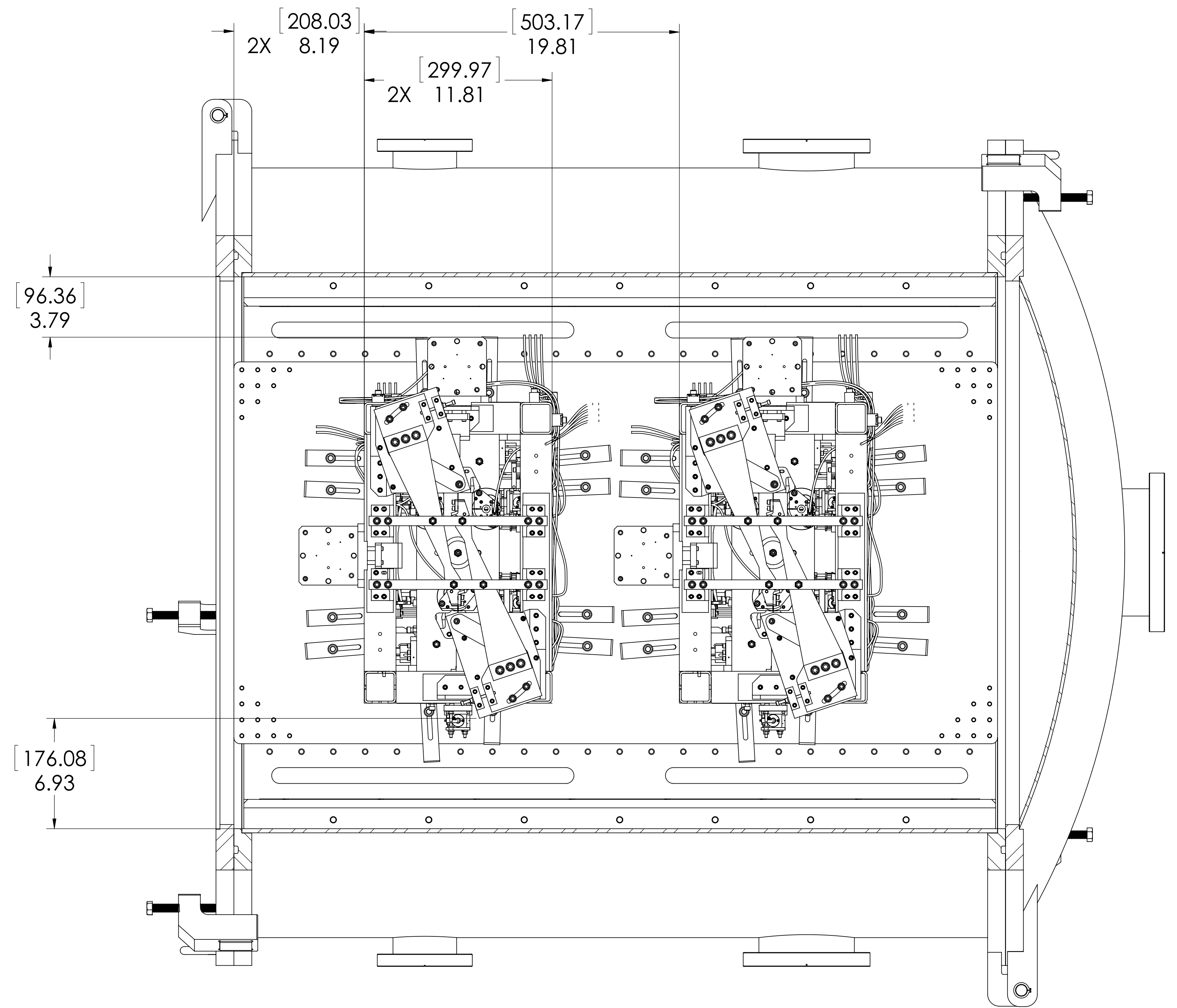
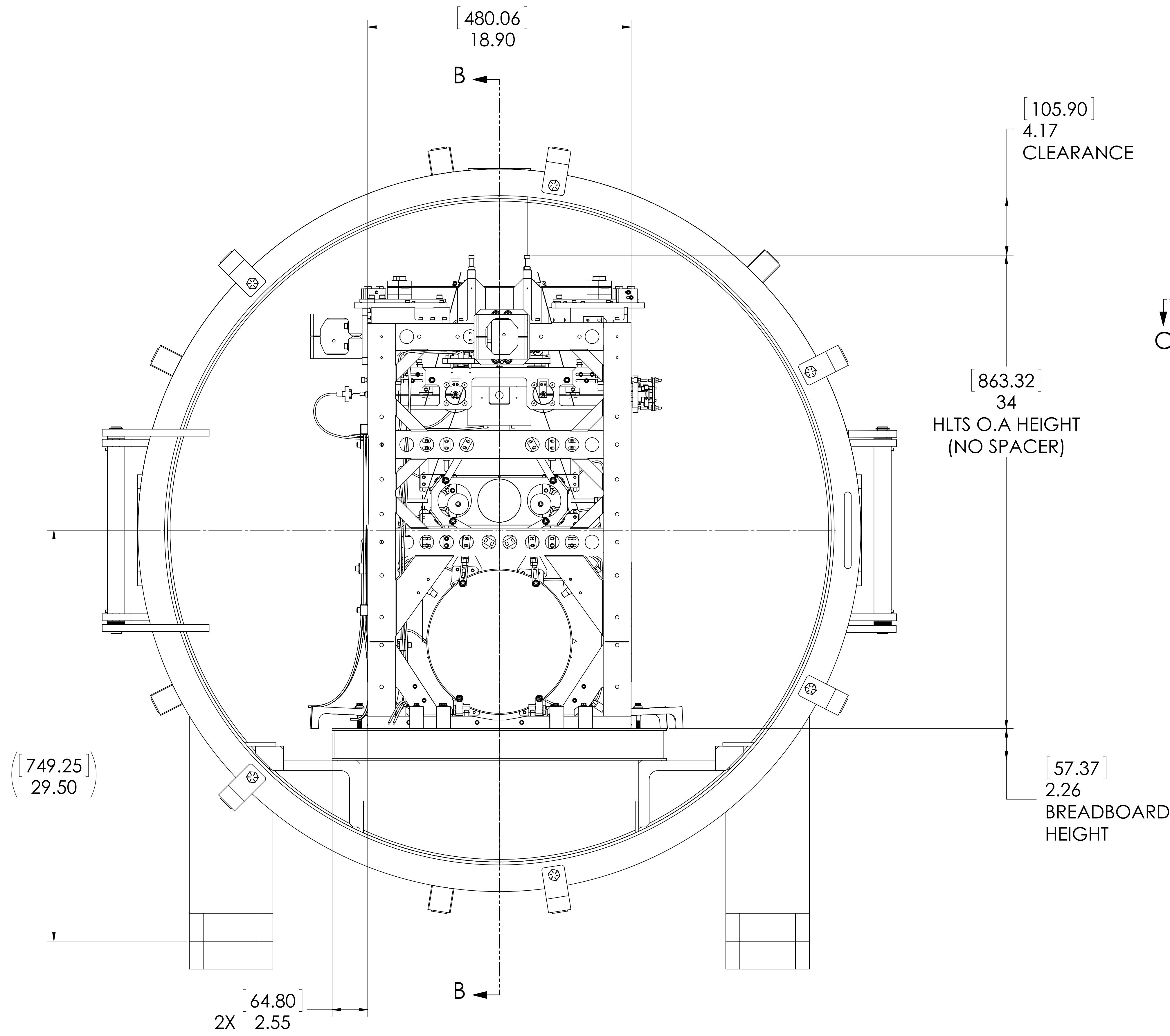


SECTION H-H

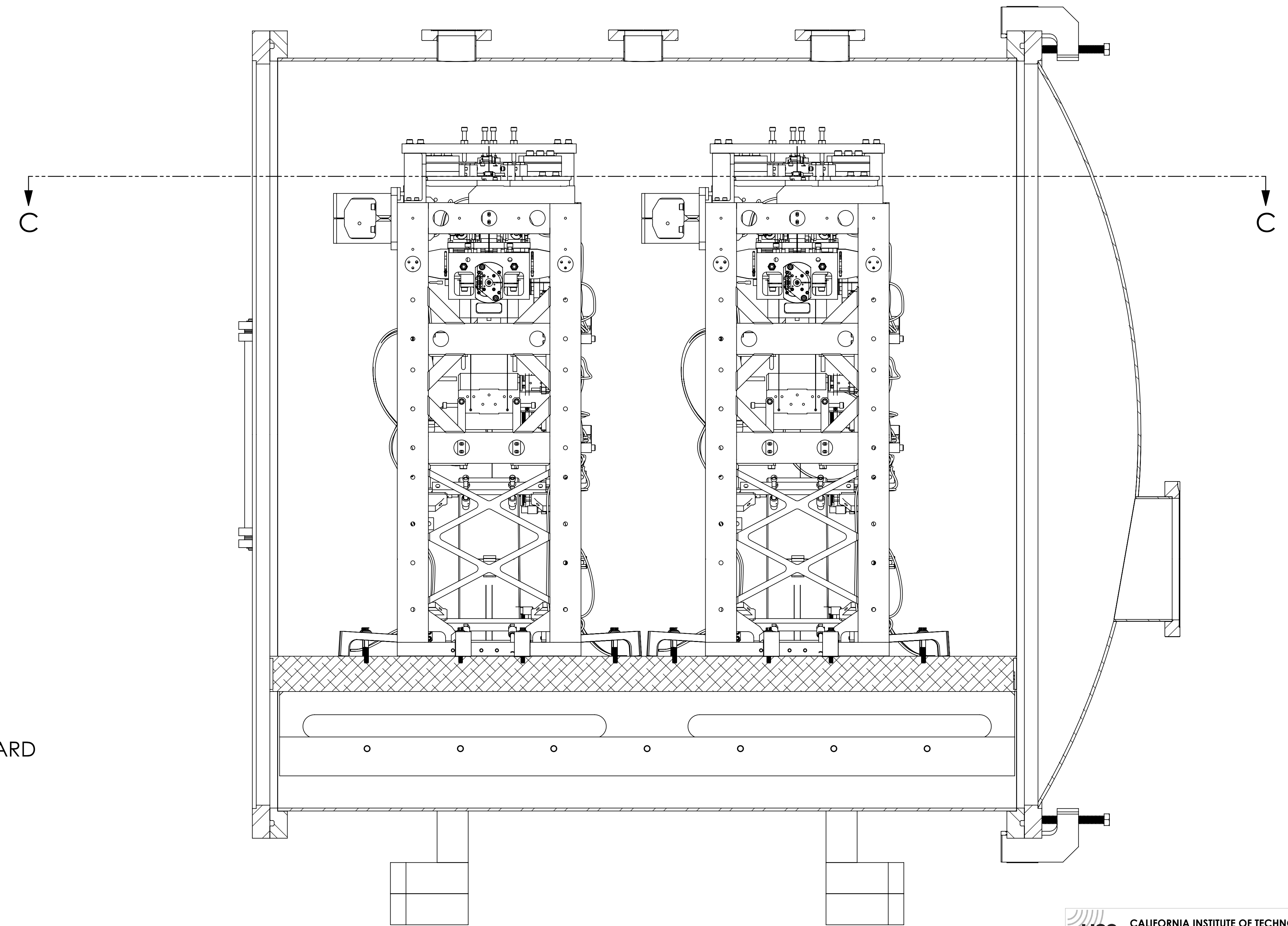
D:\400138-5000-1\14-48-CT1 PARTPOWER\1400138.DWG PLOT REV: 6/20/07

HLTS CLEARANCES

(INTERNAL--SHOWN FOR REFERENCE ONLY)



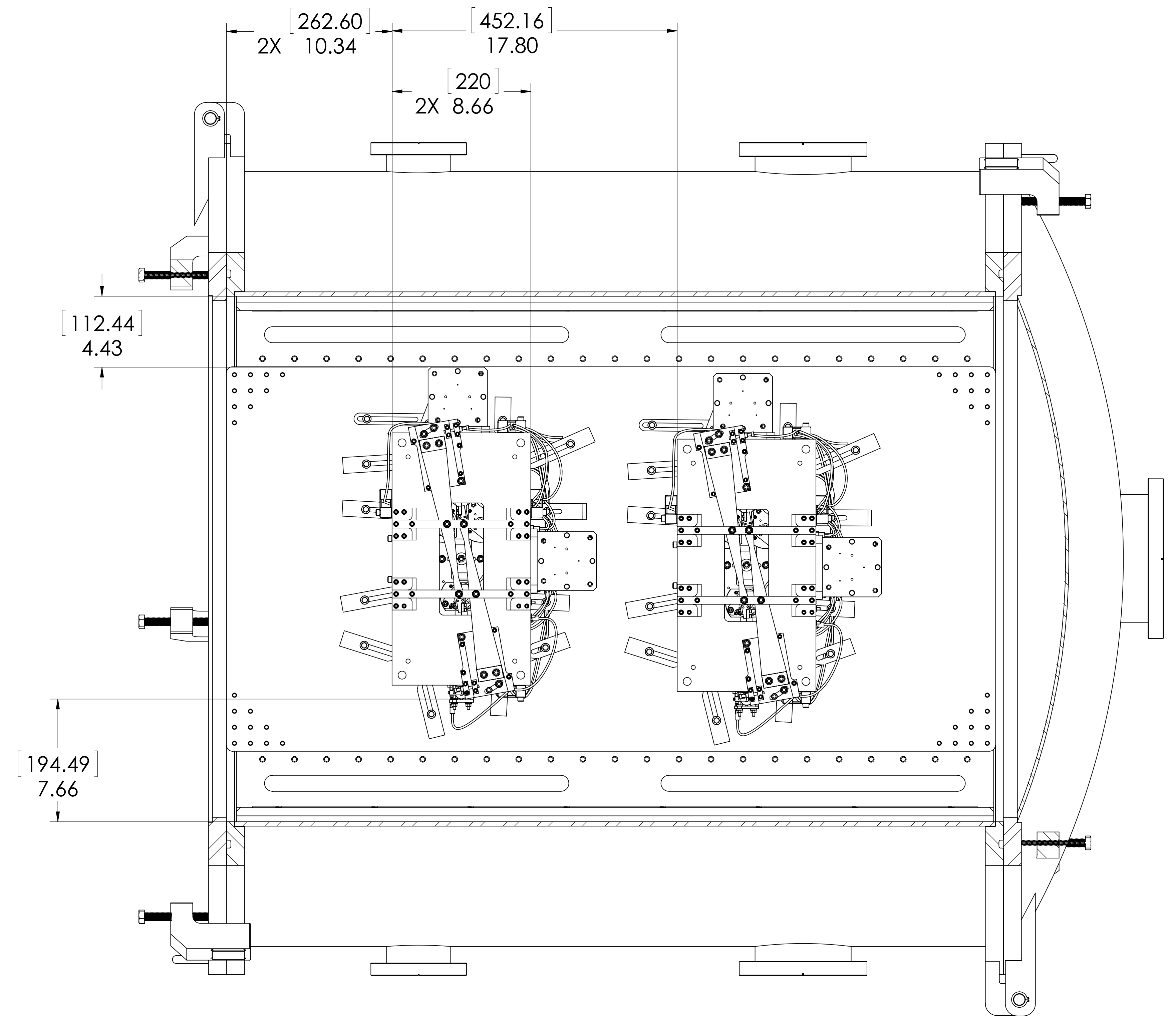
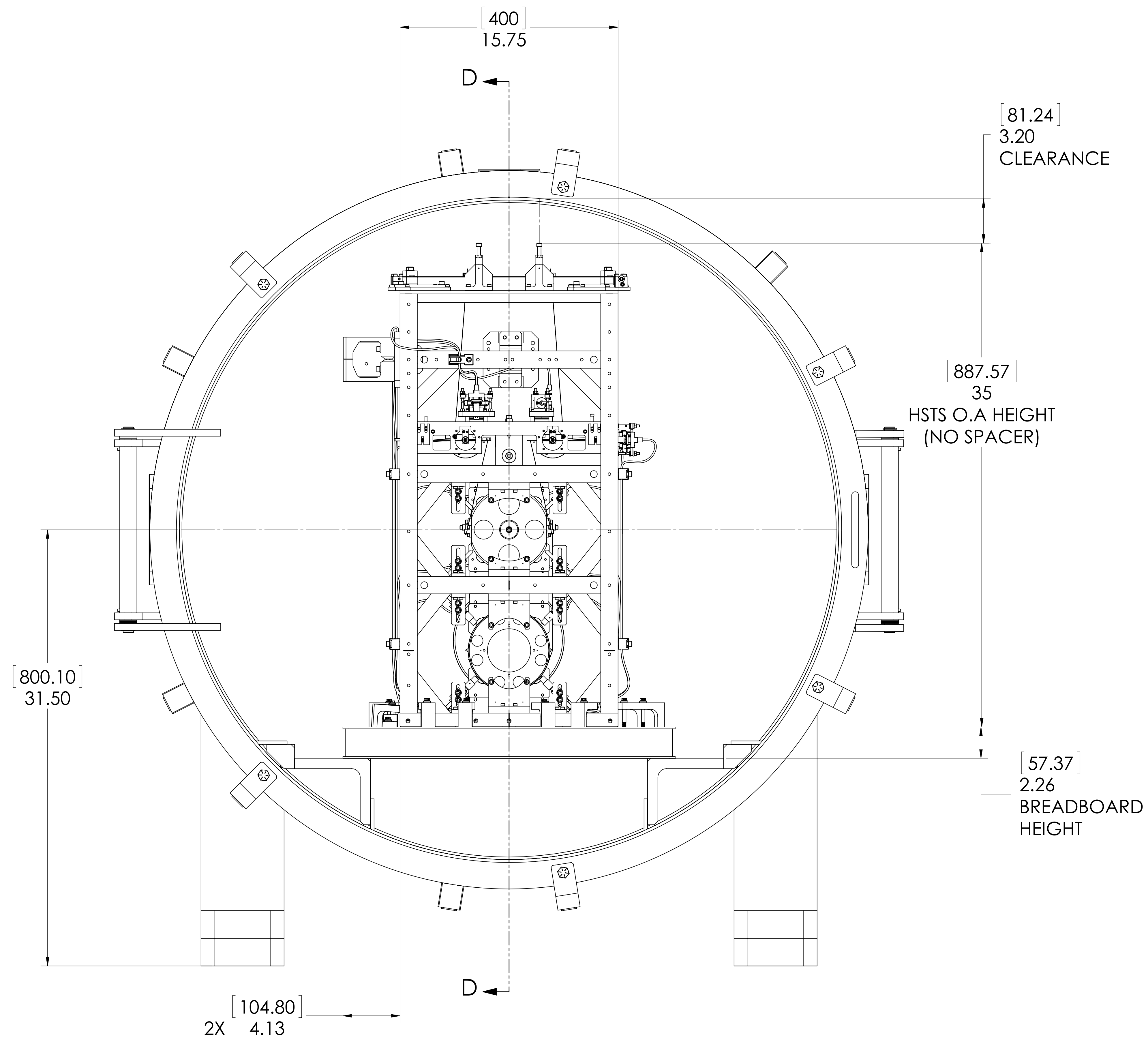
SECTION C-C



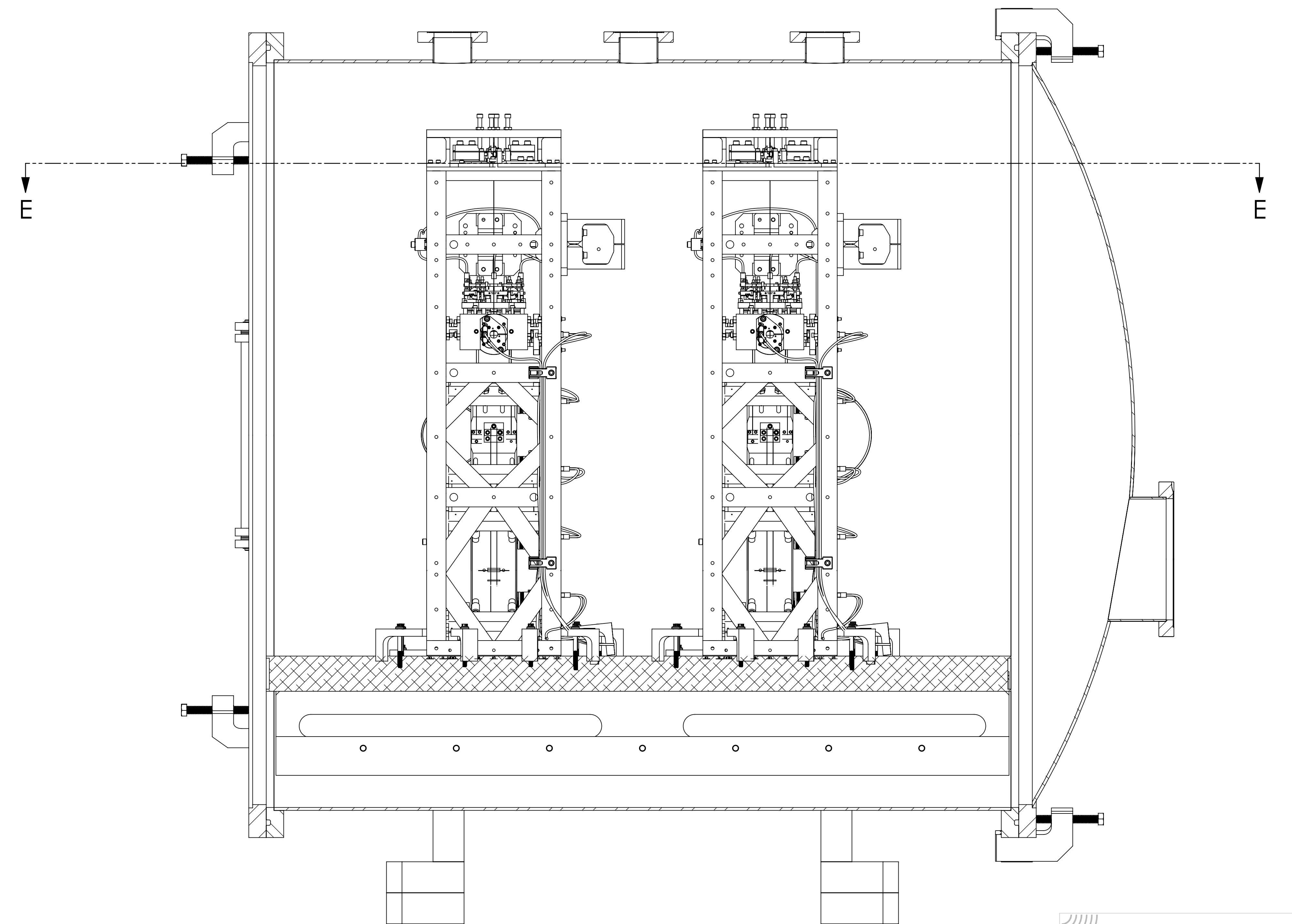
SECTION B-B

HSTS CLEARANCES

(INTERNAL--SHOWN FOR REFERENCE ONLY)



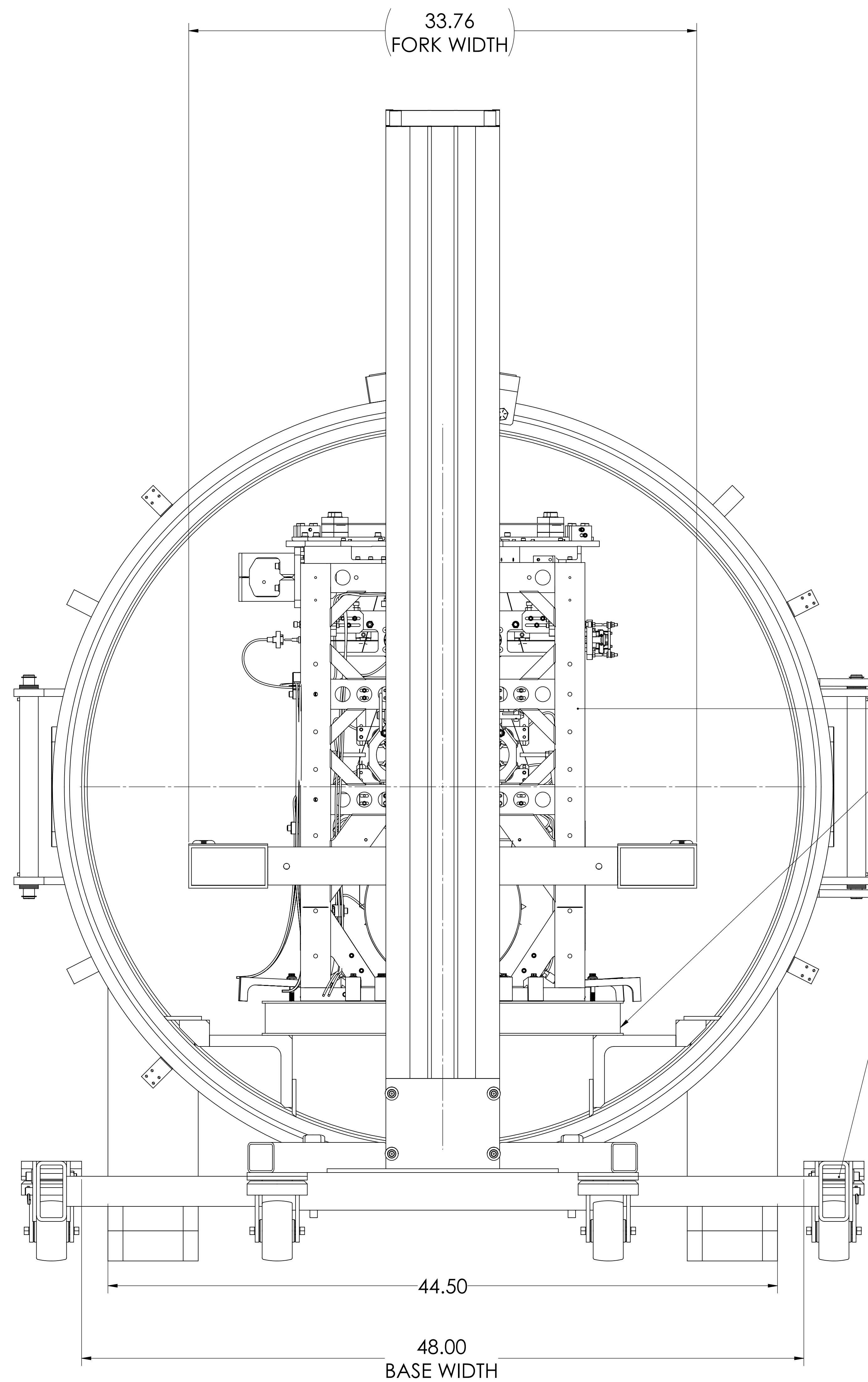
SECTION E-E



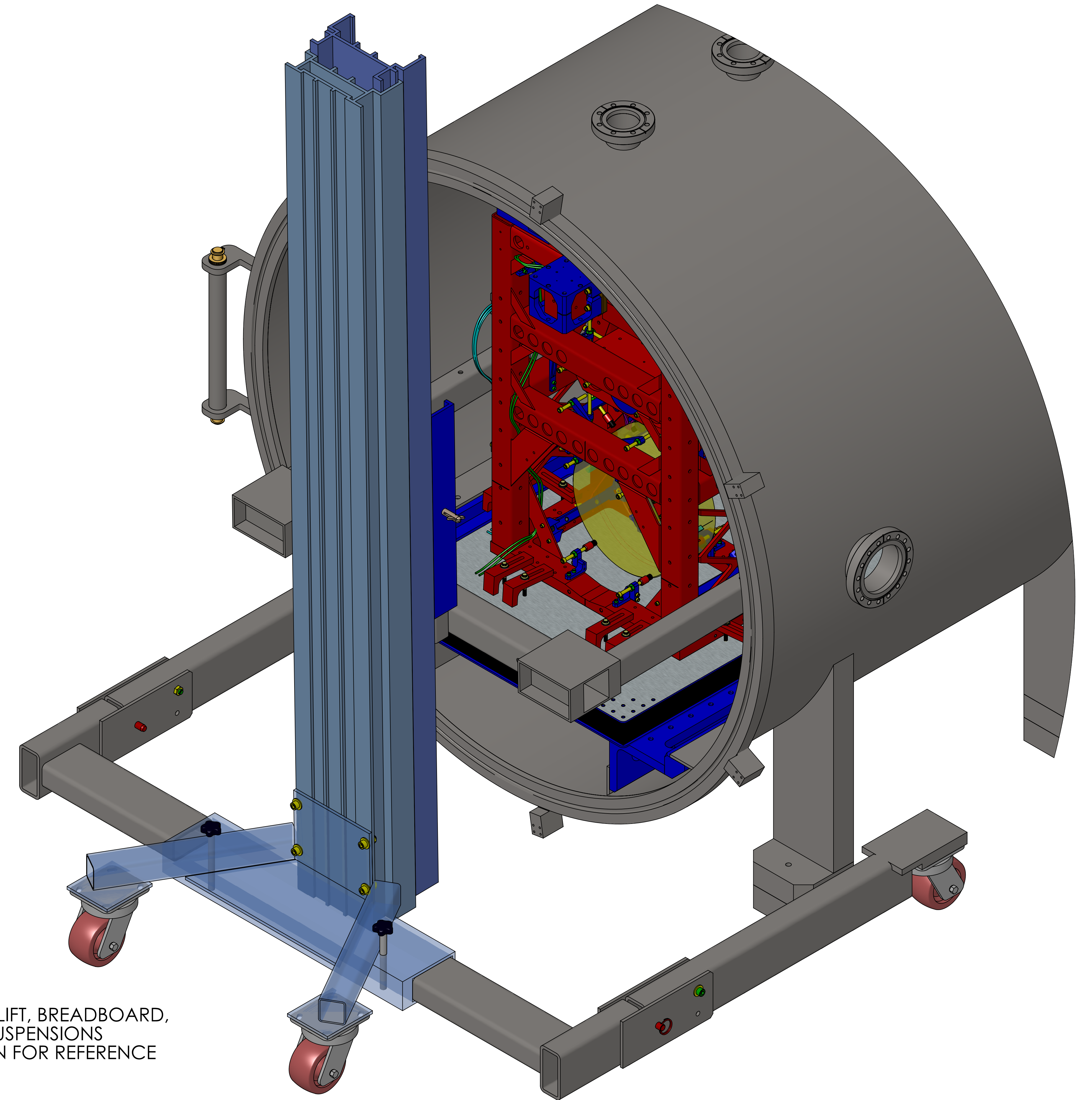
SECTION D-D

GENIE LIFT SLA-10 CLEARANCES

(INTERNAL--SHOWN FOR REFERENCE ONLY)



GENIE LIFT, BREADBOARD,
AND SUSPENSIONS
SHOWN FOR REFERENCE
ONLY

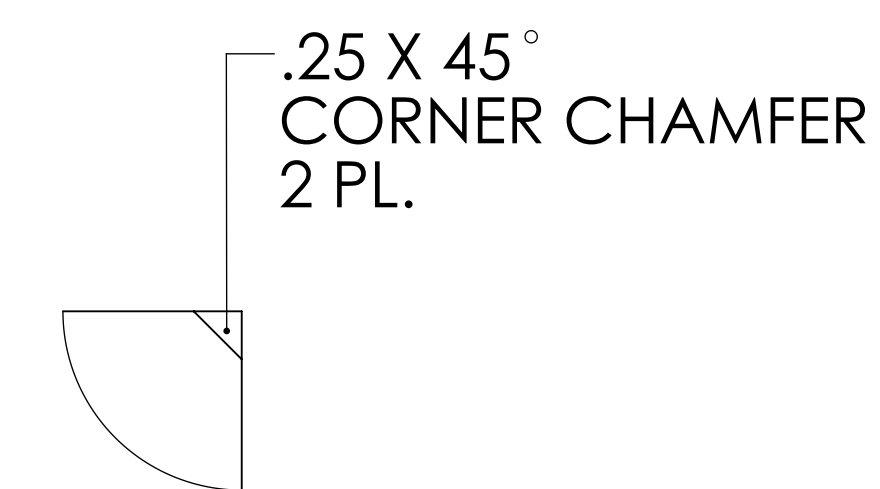
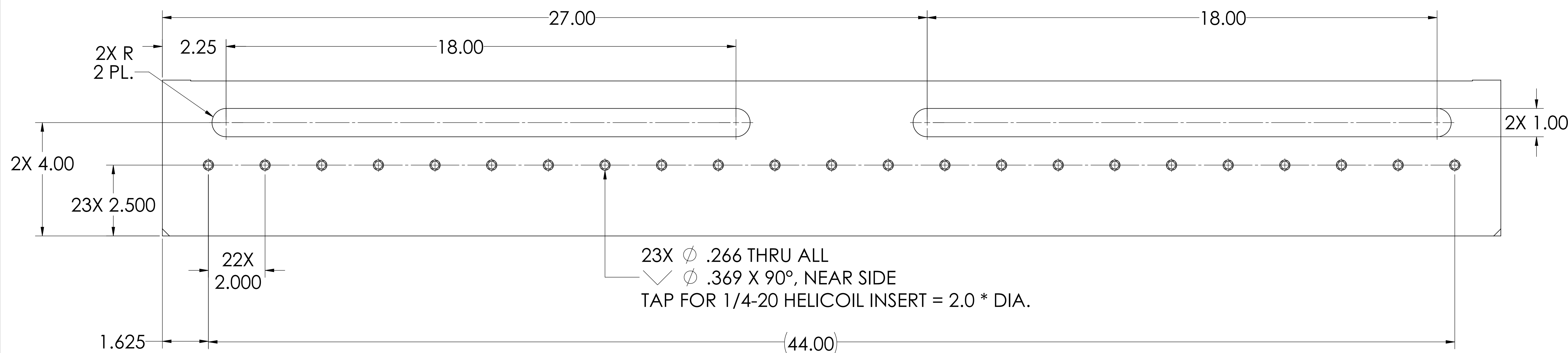


ISO VIEW - PARTIAL

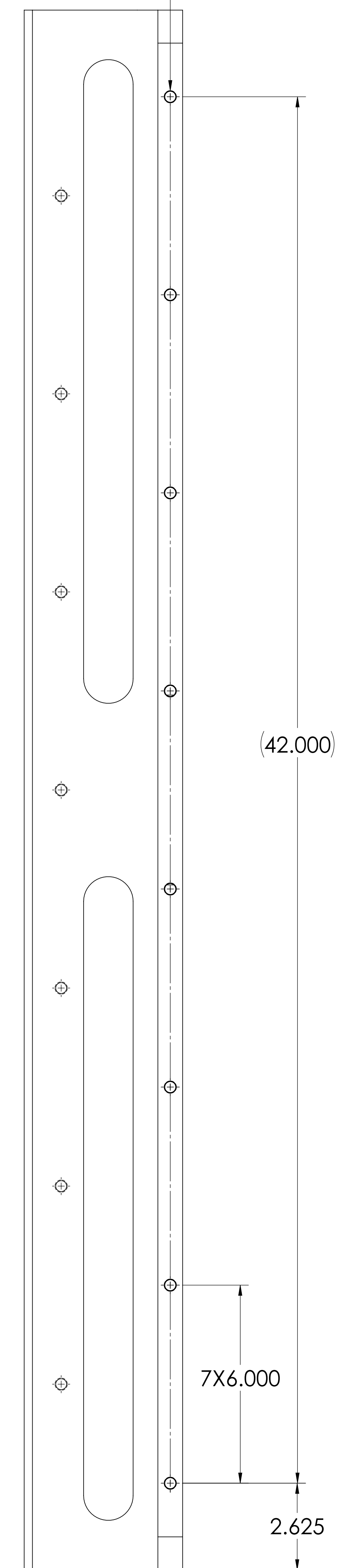
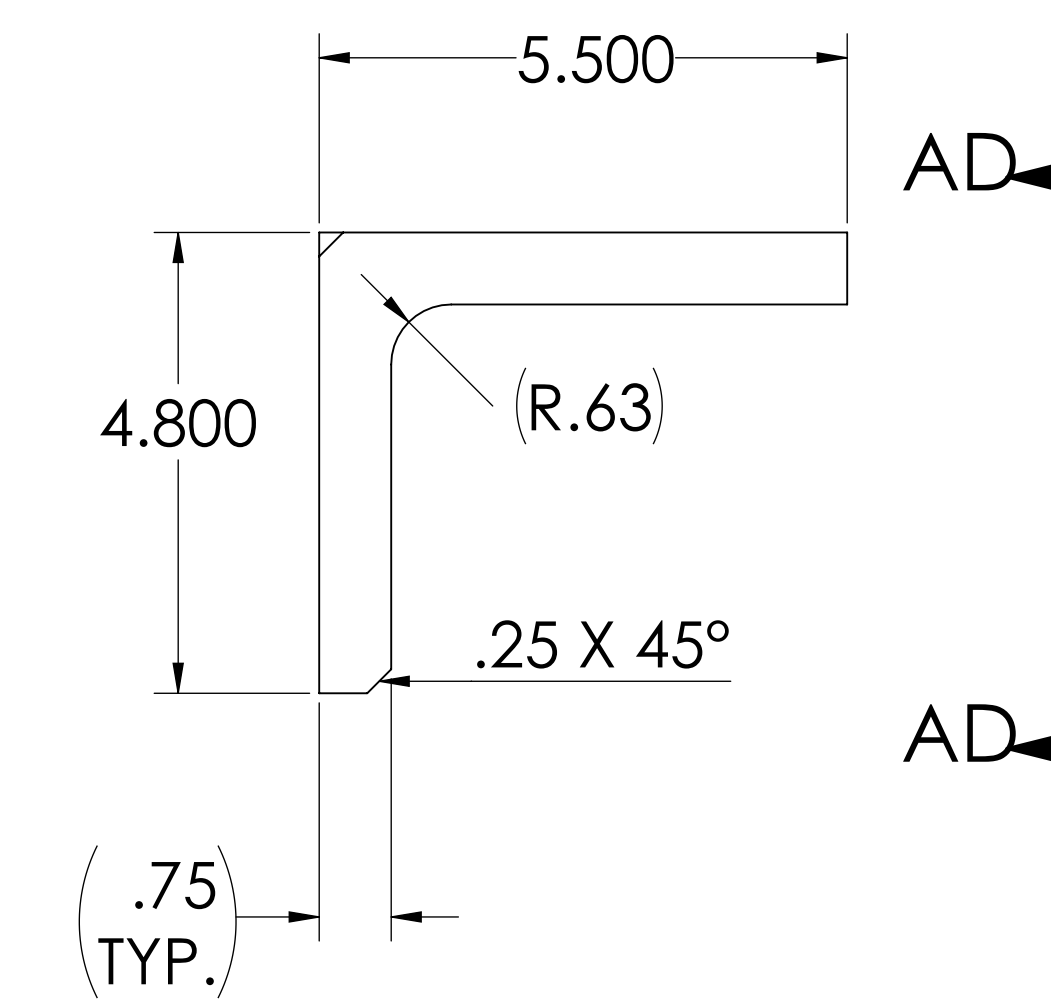
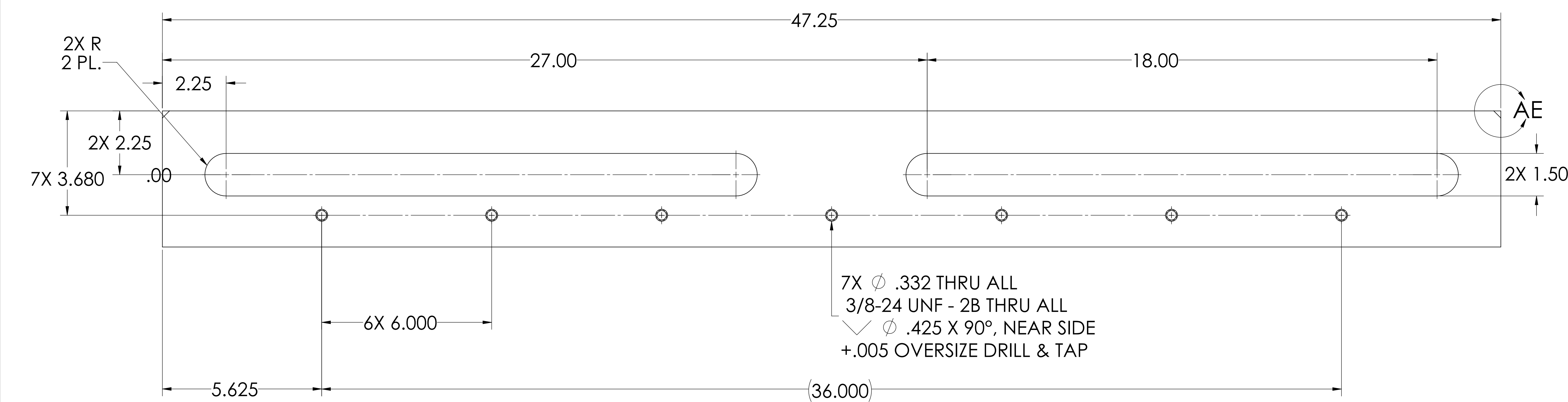
4. ELECTROPOLISH AFTER FABRICATION TO REMOVE .0005 - .001 FROM ALL SURFACES.

-101 DETAIL

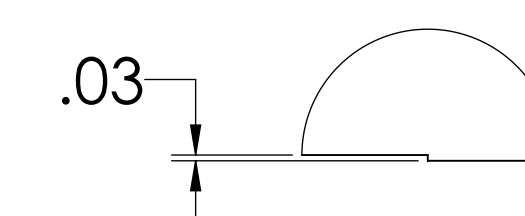
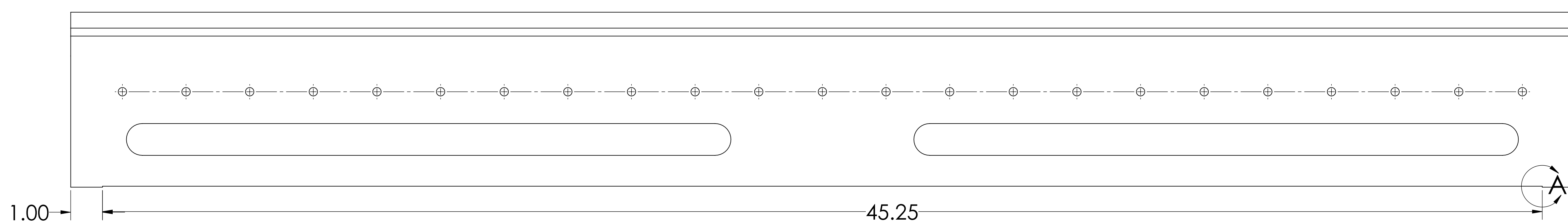
MAKE FROM: 6061-T6 AL ALLOY ANGLE
6" X 6" X .75"



DETAIL AE
SCALE 1 : 1



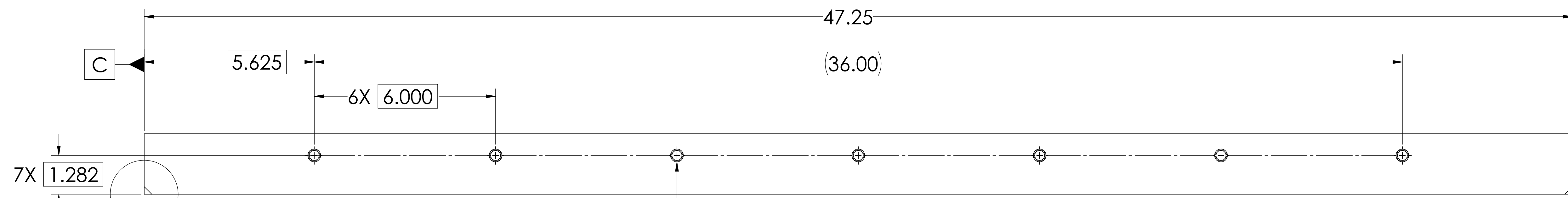
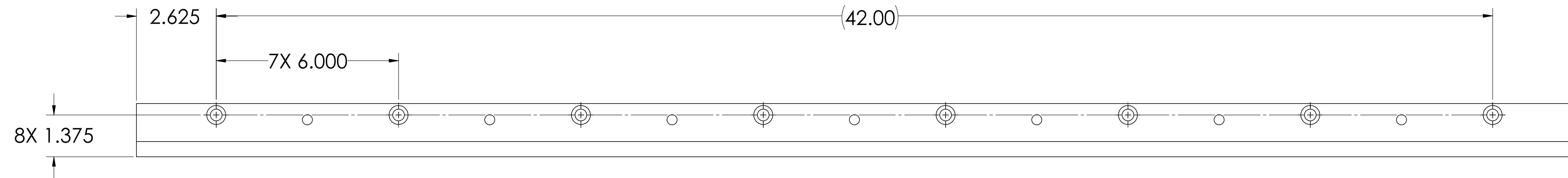
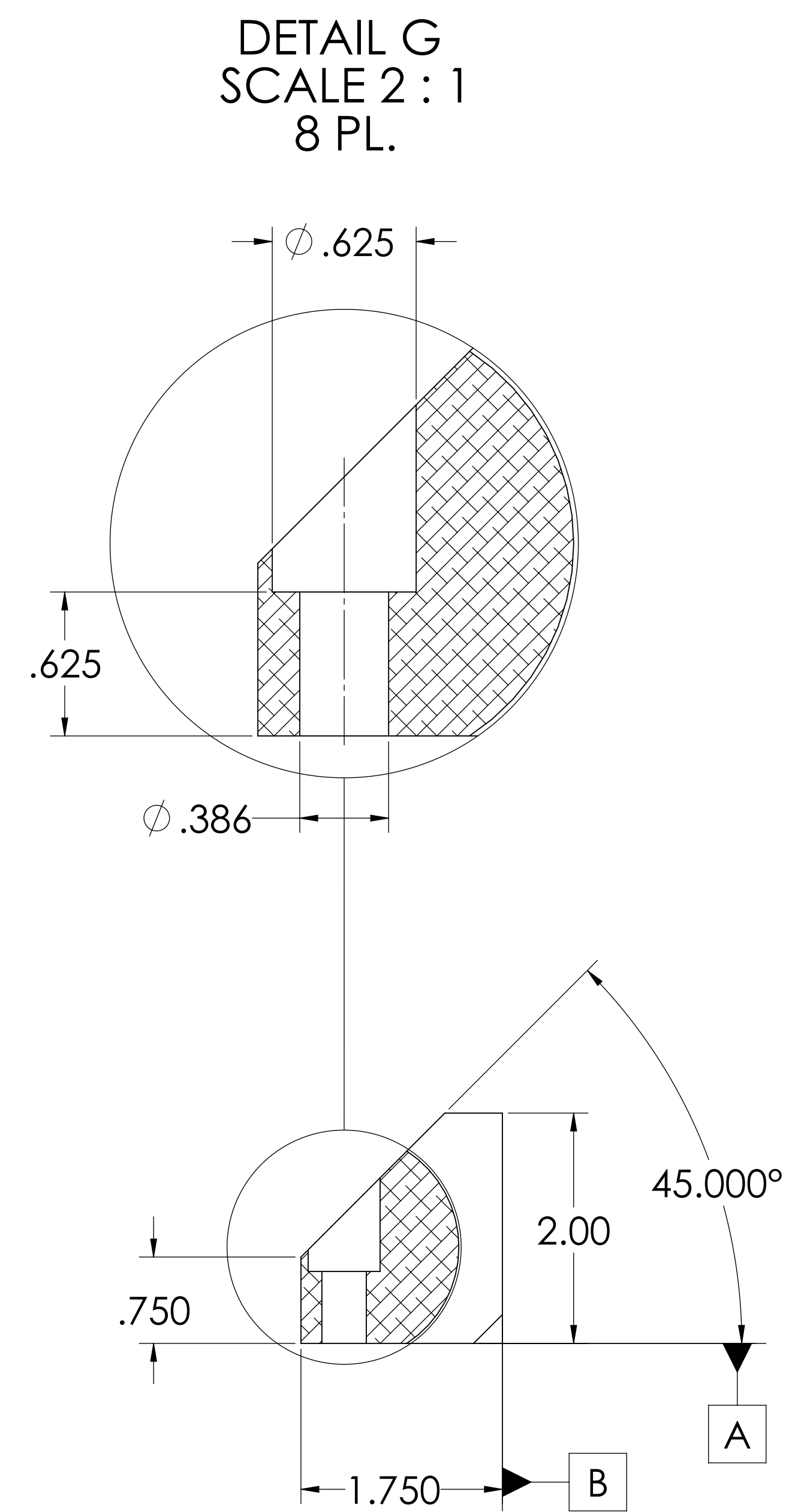
SECTION AD-AD
(ROTATED 90 DEGREES CW)



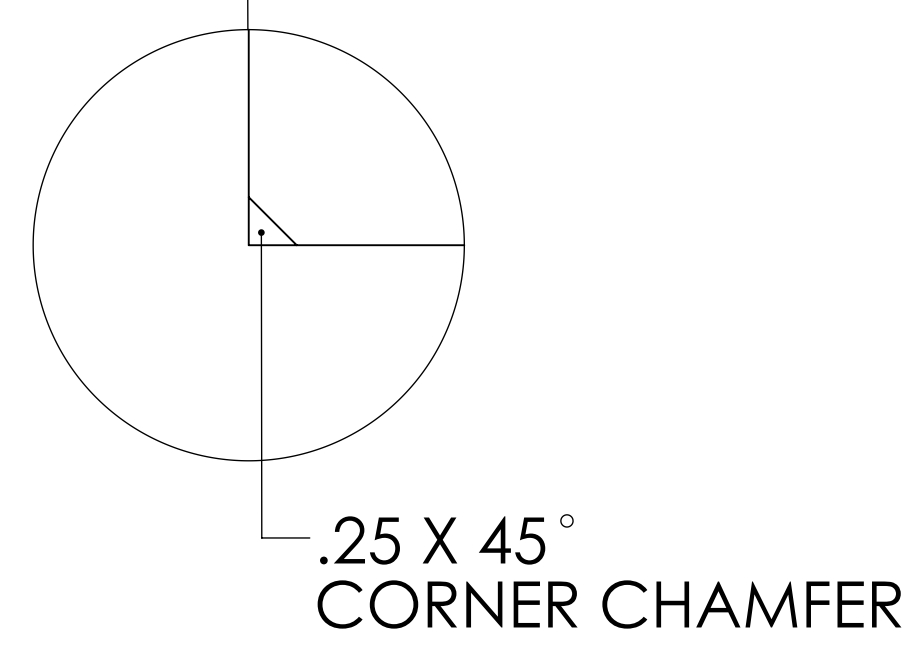
DETAIL AF
SCALE 1 : 1

SHELF

-102 DETAIL
 MAKE FROM: 6061-T6 AL ALLOY



7X ϕ .332 THRU ALL
 3/8-24 UNF - 2B THRU ALL
 \surd ϕ .425 X 90°, NEAR SIDE
 +.005 OVERSIZE DRILL & TAP
 \oplus ϕ .014 (M) A C B



DETAIL AH
 SCALE 1 : 1

SHELF