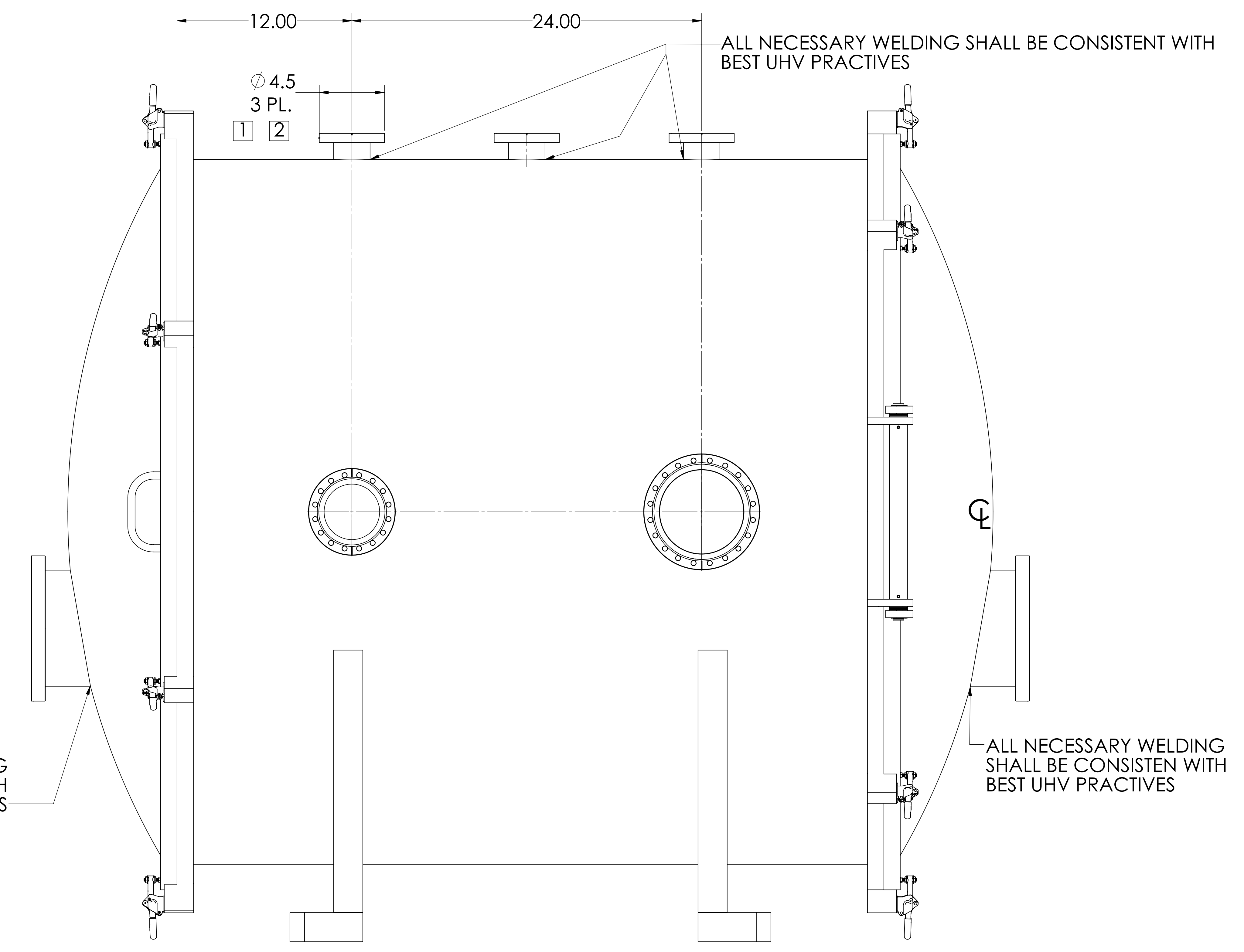
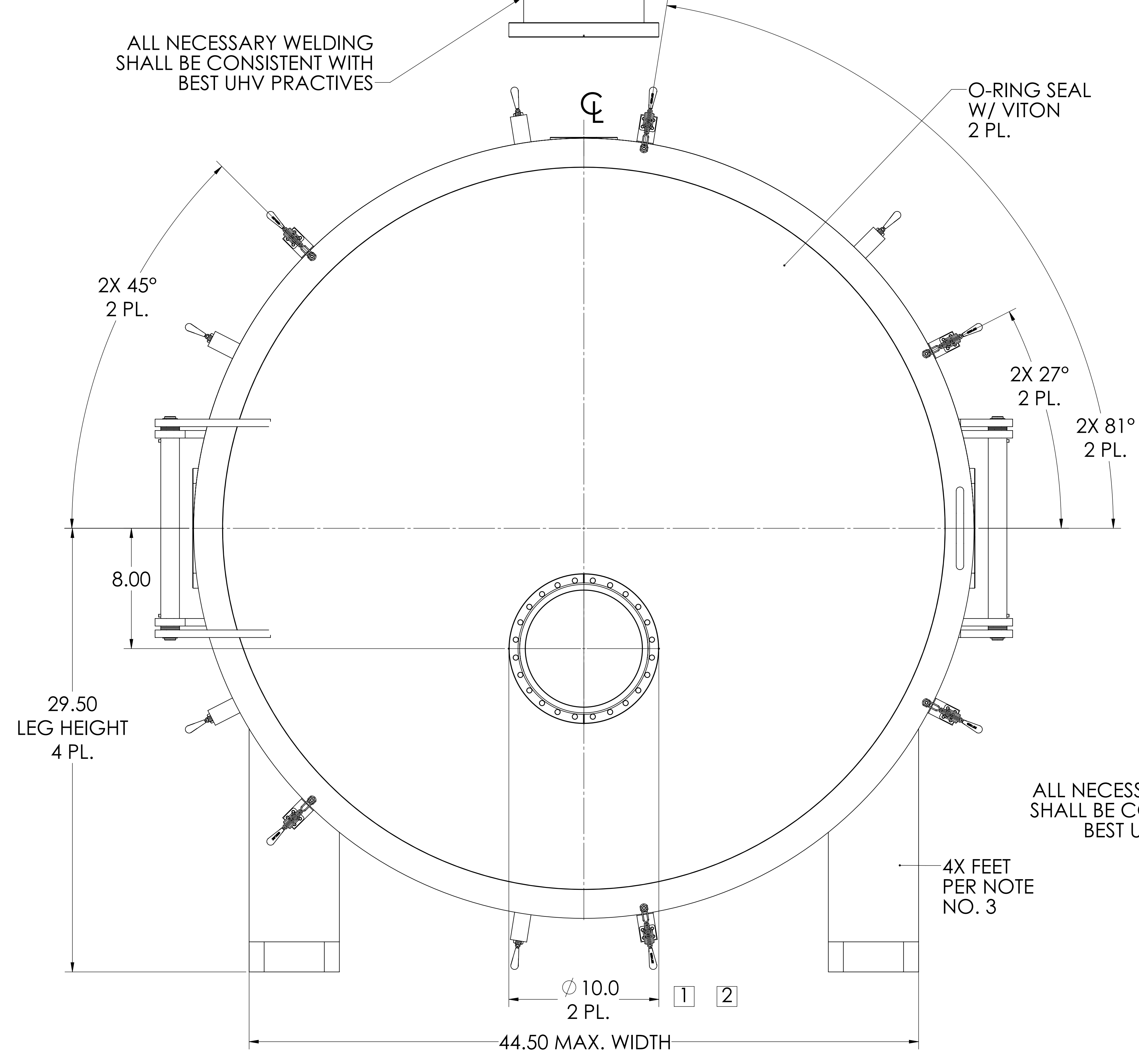
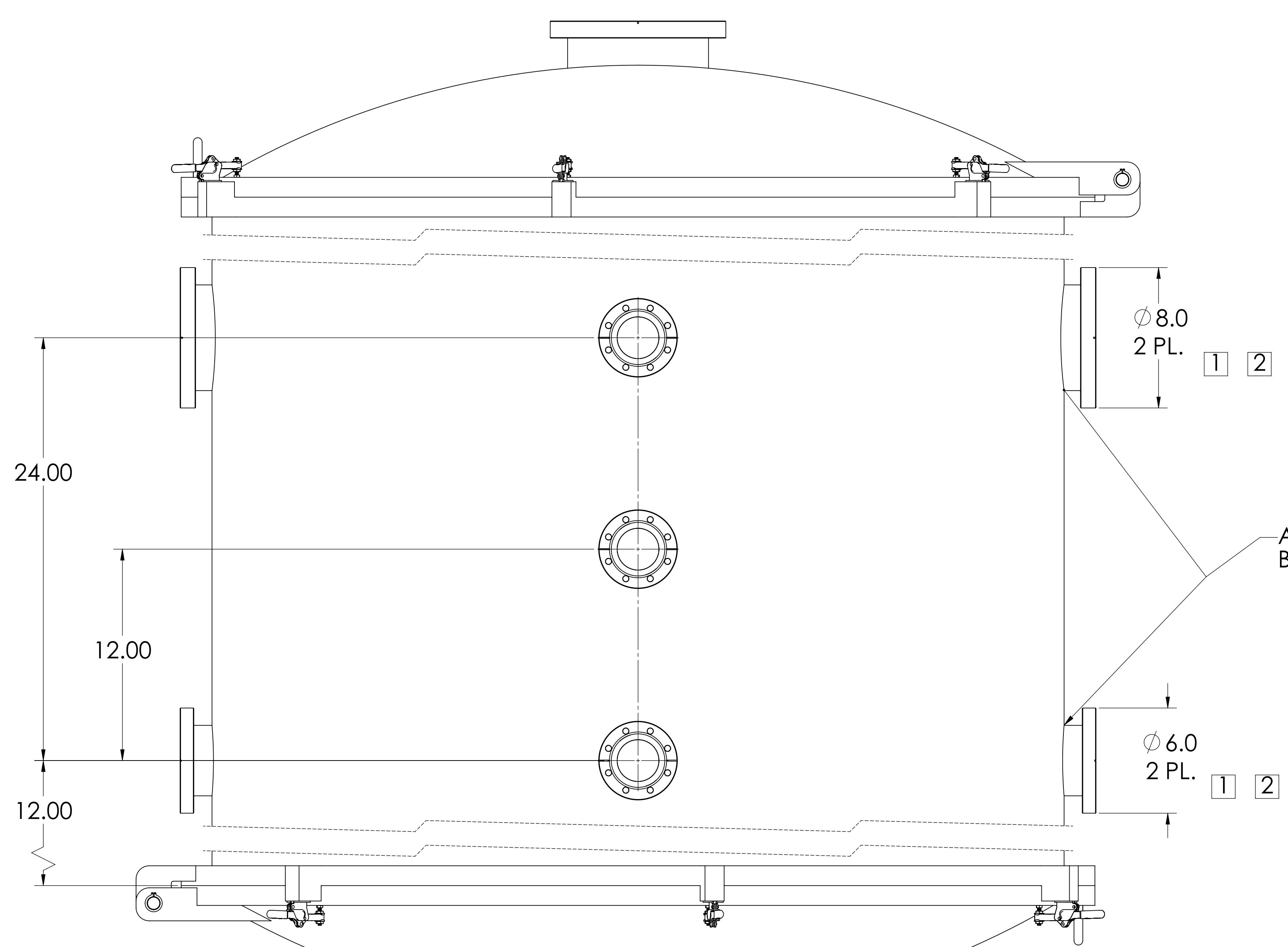


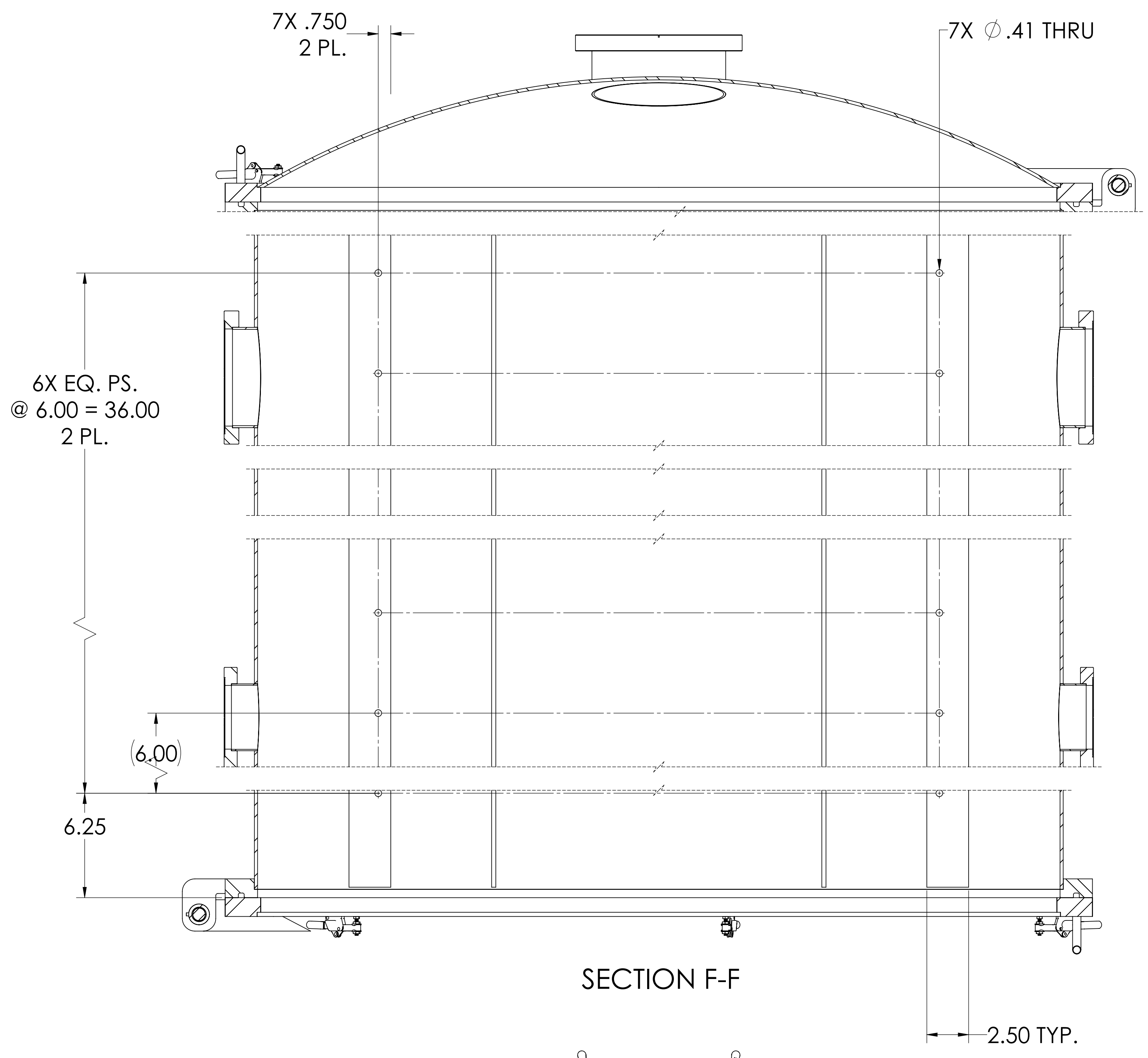
REV.	DATE	DCN #	DRAWING TREE #
v1	25 MAR 2014	-	-
v5	13 AUG 2014	-	-
-	-	-	-

- 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).

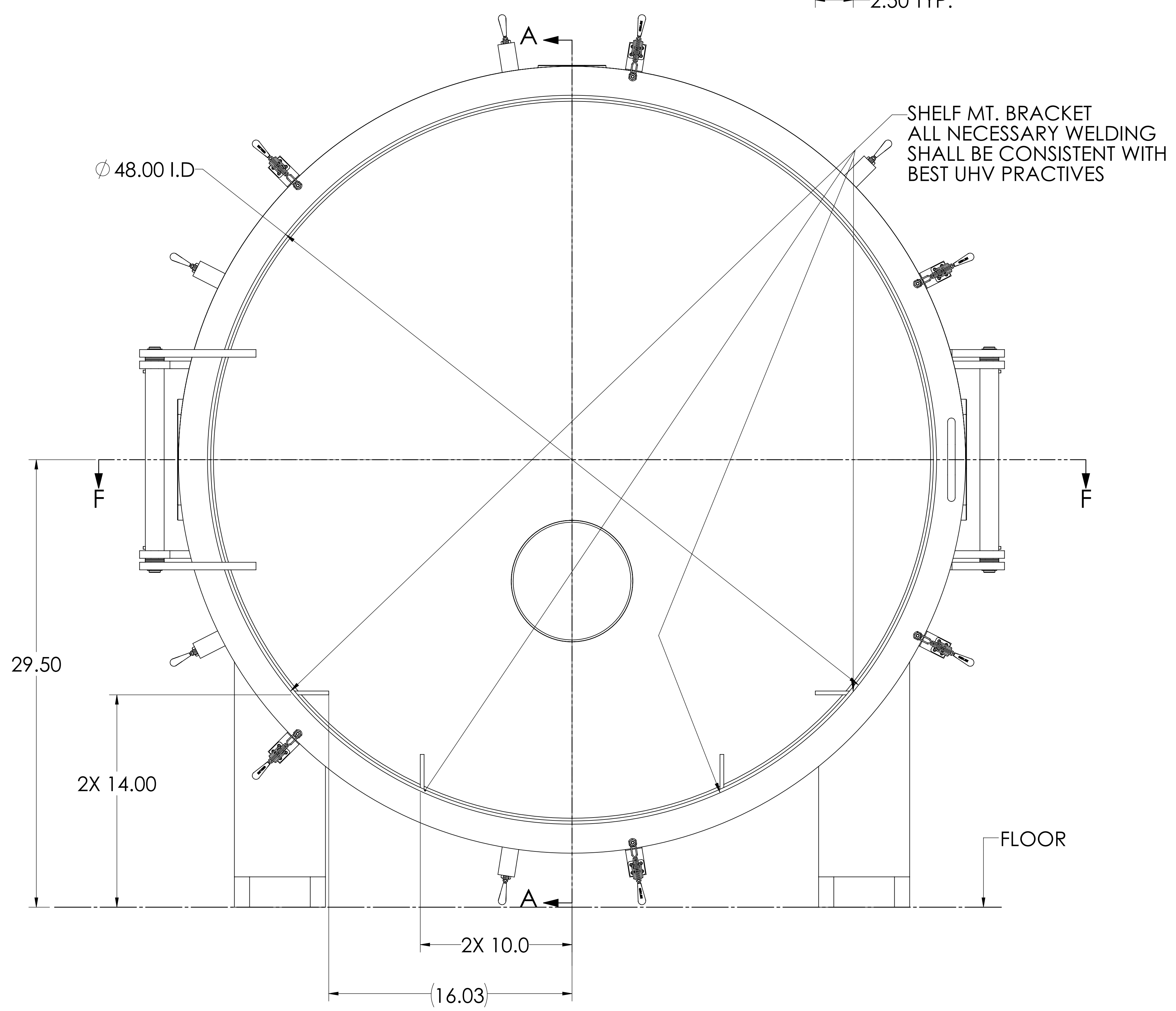


NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)		CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		PART NAME	
DIMENSIONS ARE IN INCHES		LIGO		aLIGO, VAC. SYS. 48 IN. CYL.	
		ADVANCED LIGO		DESIGNER	K.BUCKLAND
		SUB-SYSTEM		DRAFTER	E.SANCHEZ
		NEXT ASSY		CHECKER	SEE DCC
				APPROVAL	SEE DCC
				SCALE	1:4
				PROJECTION	
				SIZE	DWG. NO.
				E D1400138	
				REV.	v5

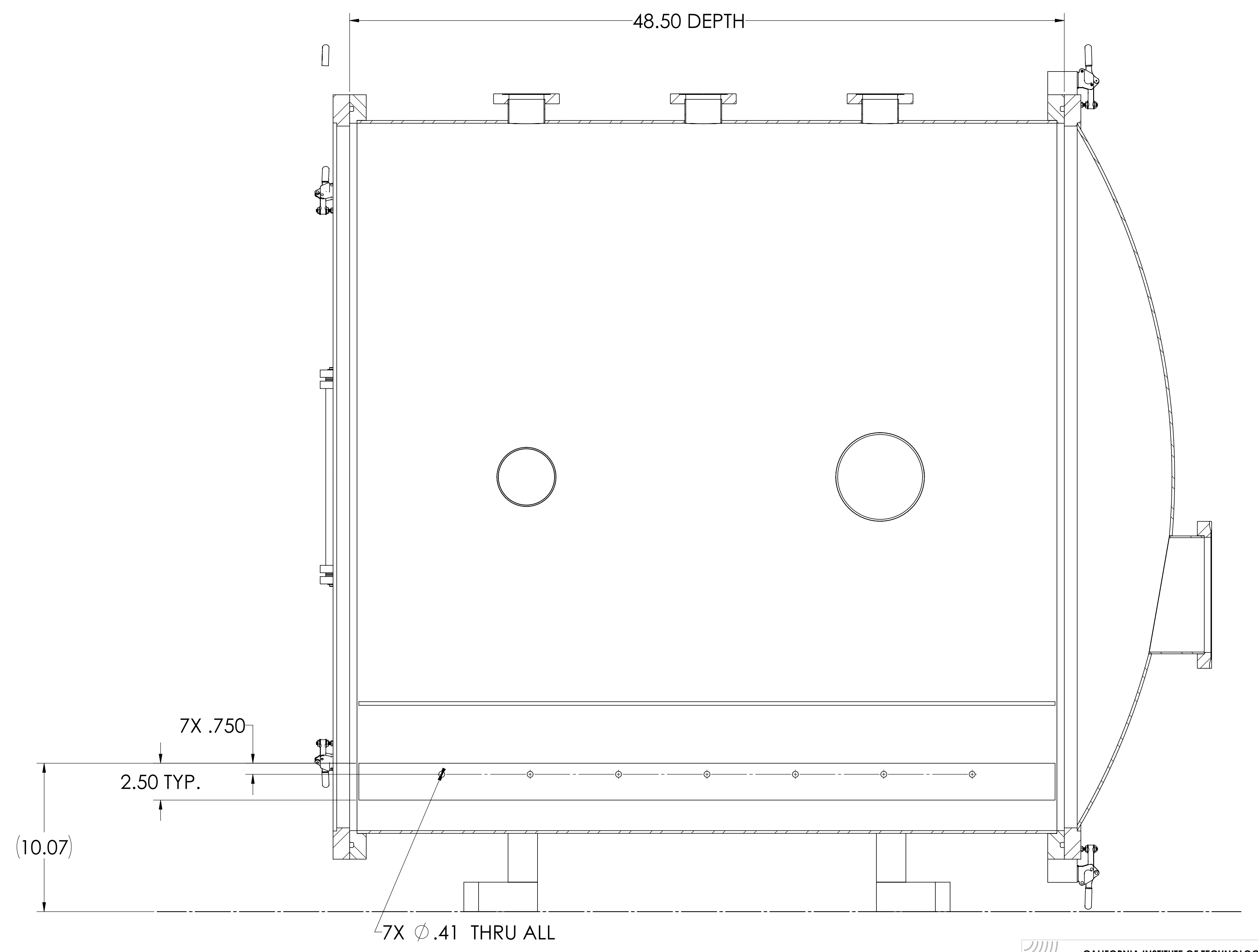
D:\00000000\1400138\1400138.dwg

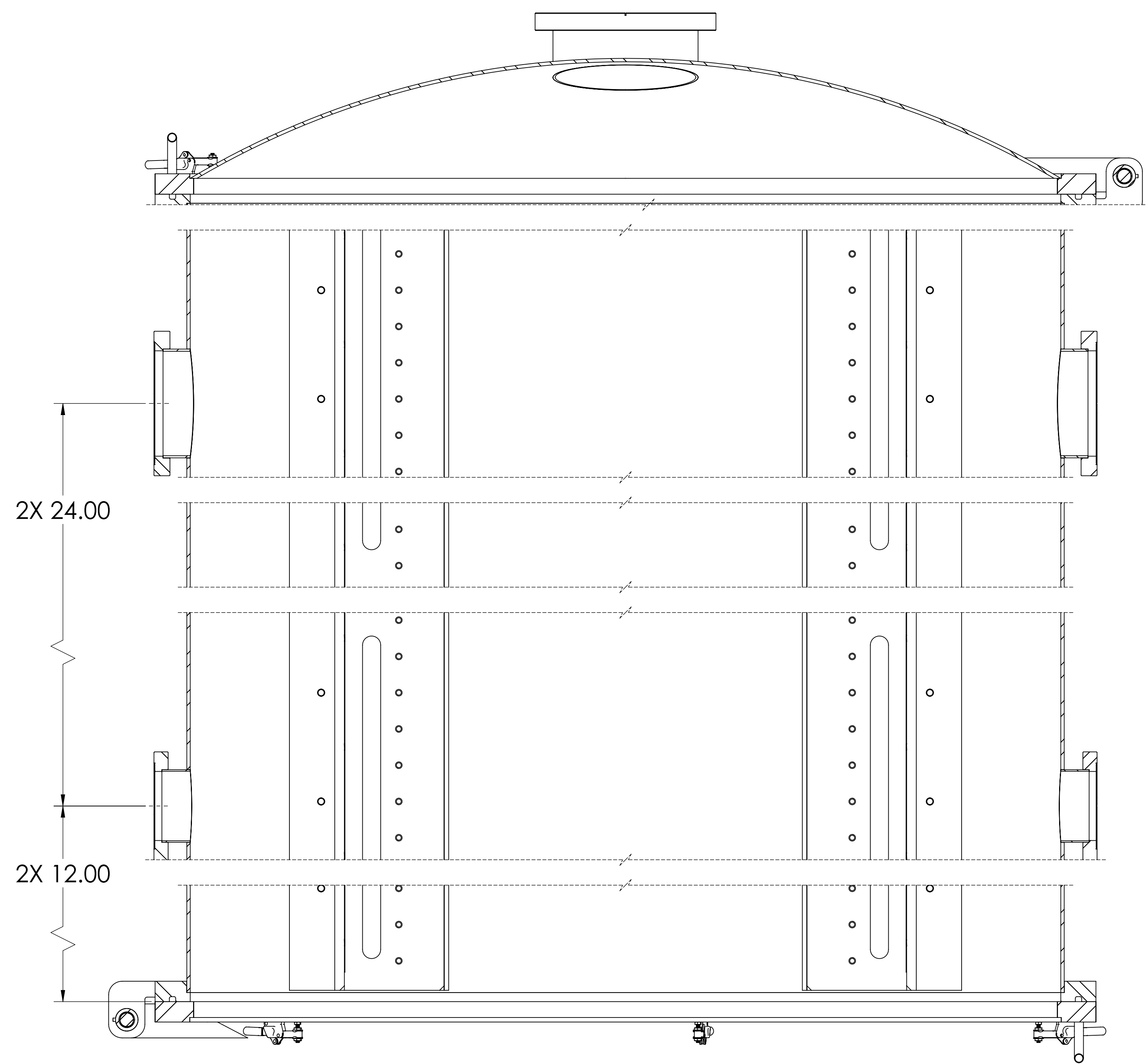


SECTION F-F

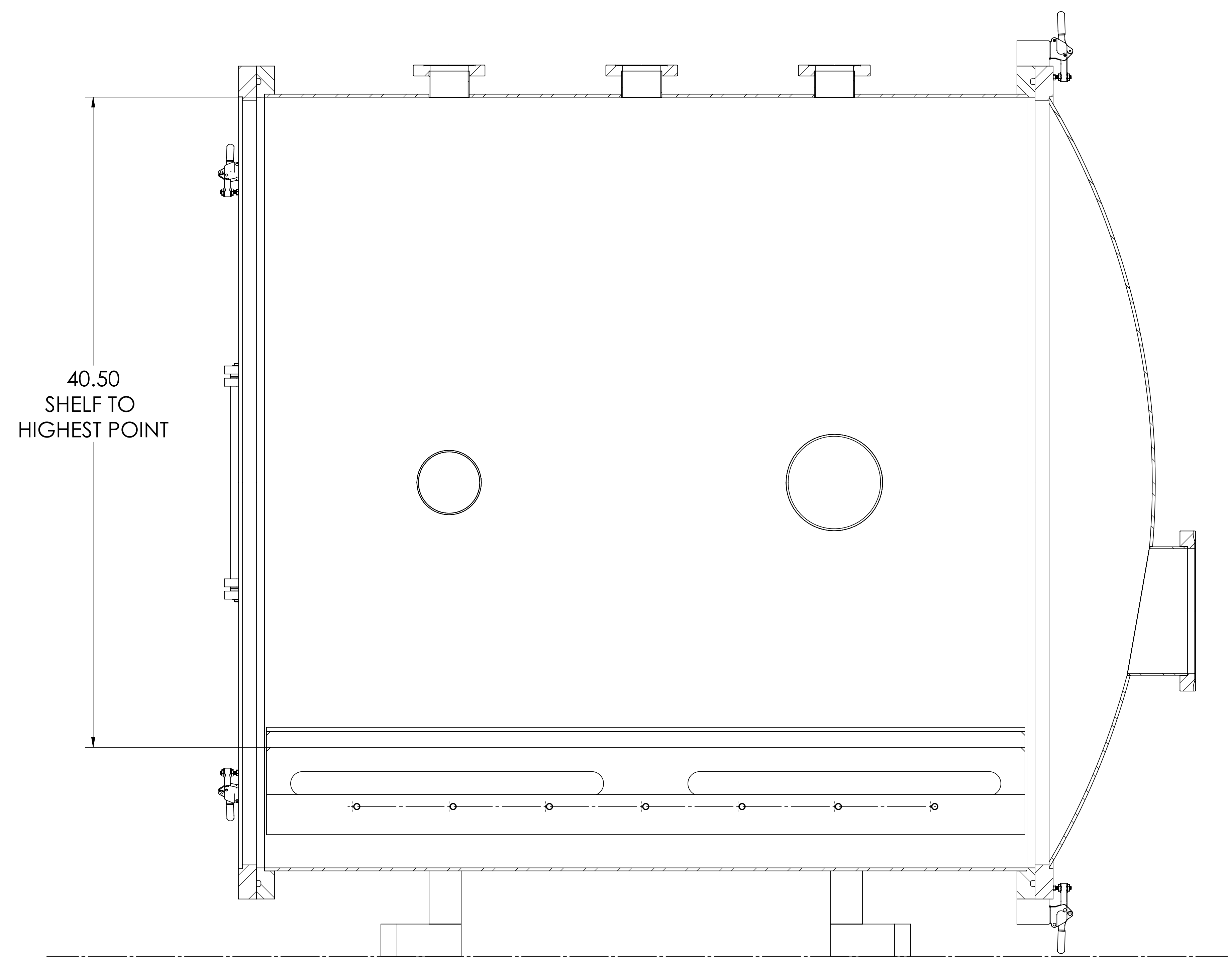
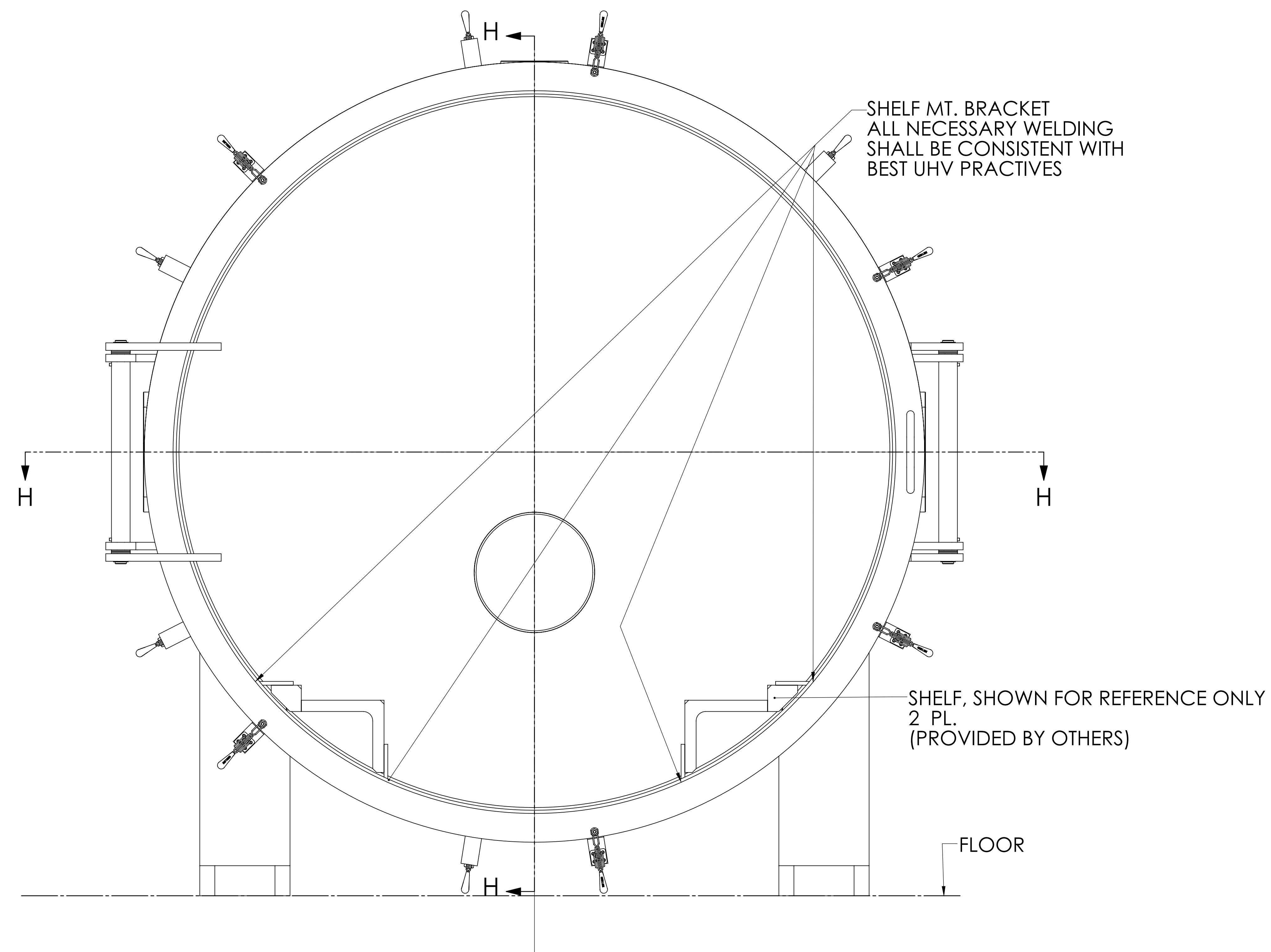


SECTION A-A





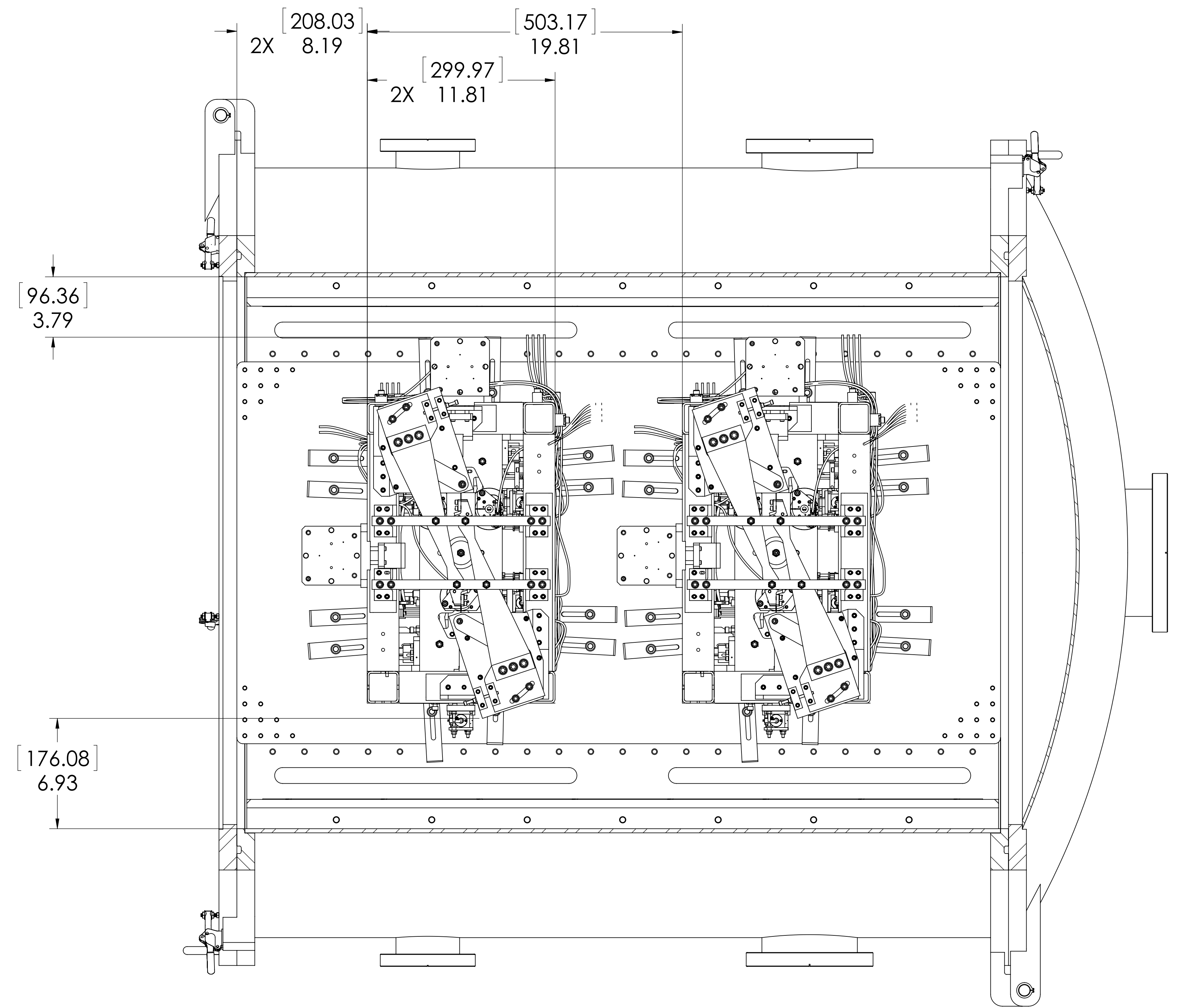
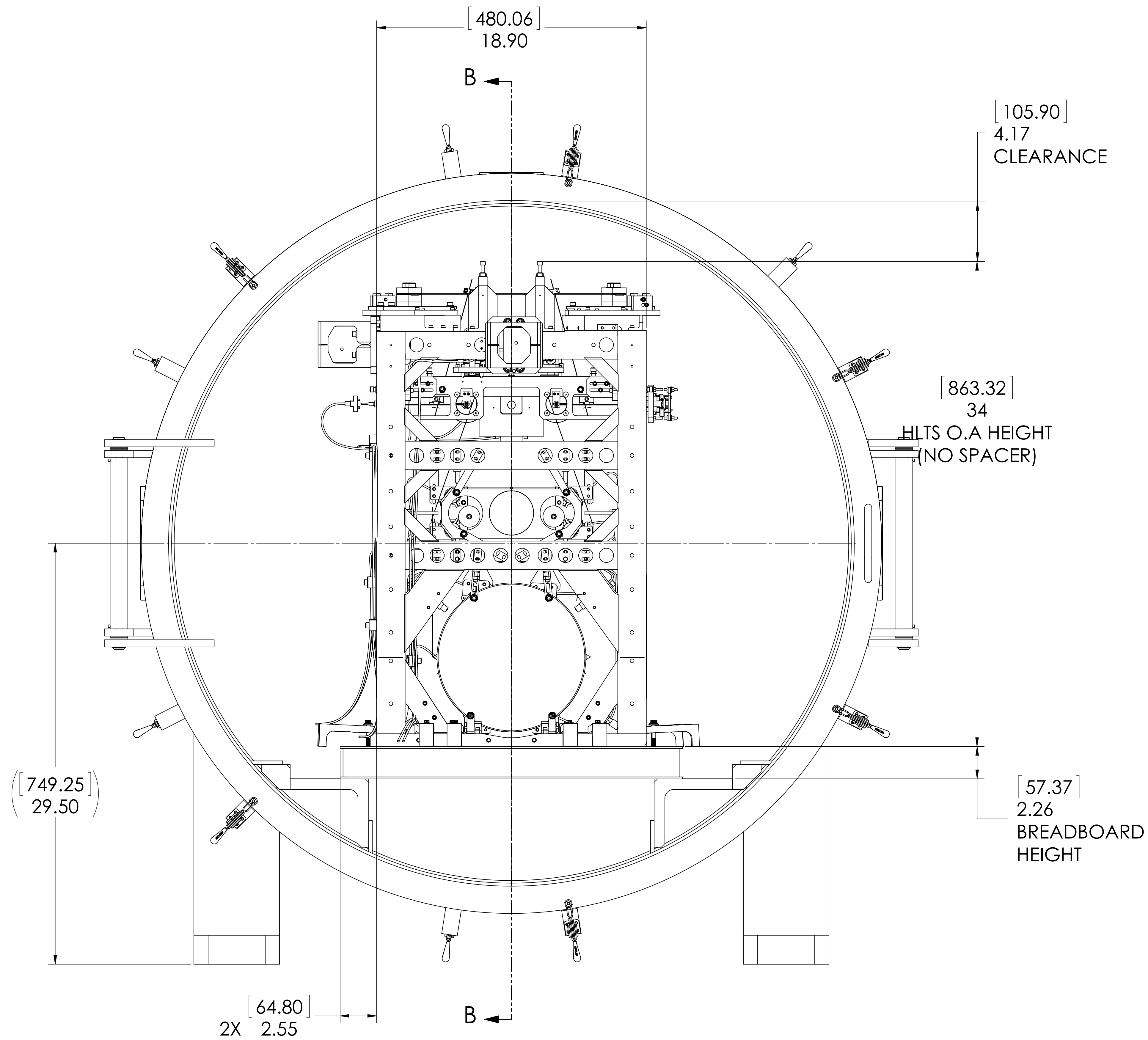
SECTION H-H



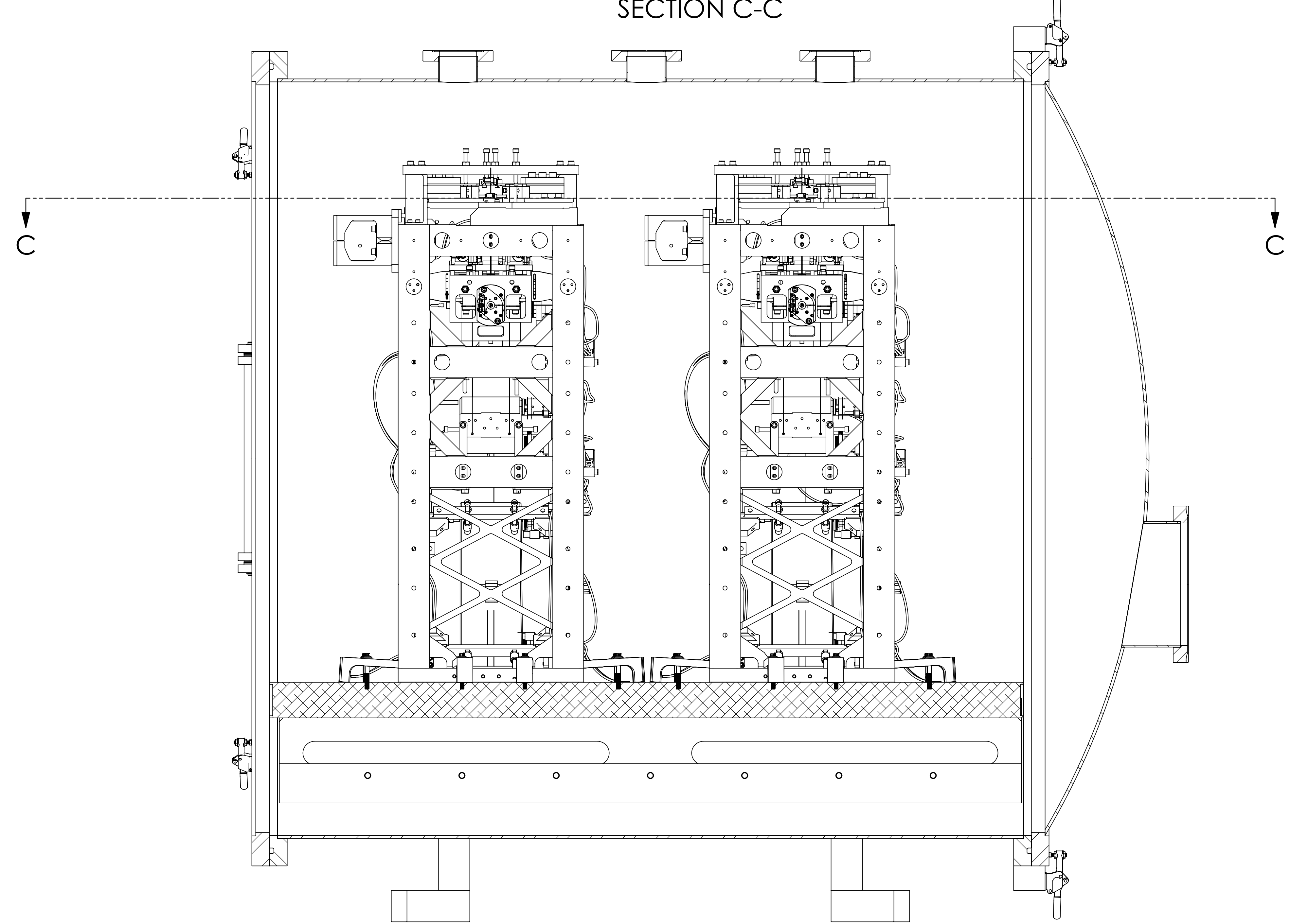
SECTION H-H

# HLTS CLEARANCES

(INTERNAL--SHOWN FOR REFERENCE ONLY)



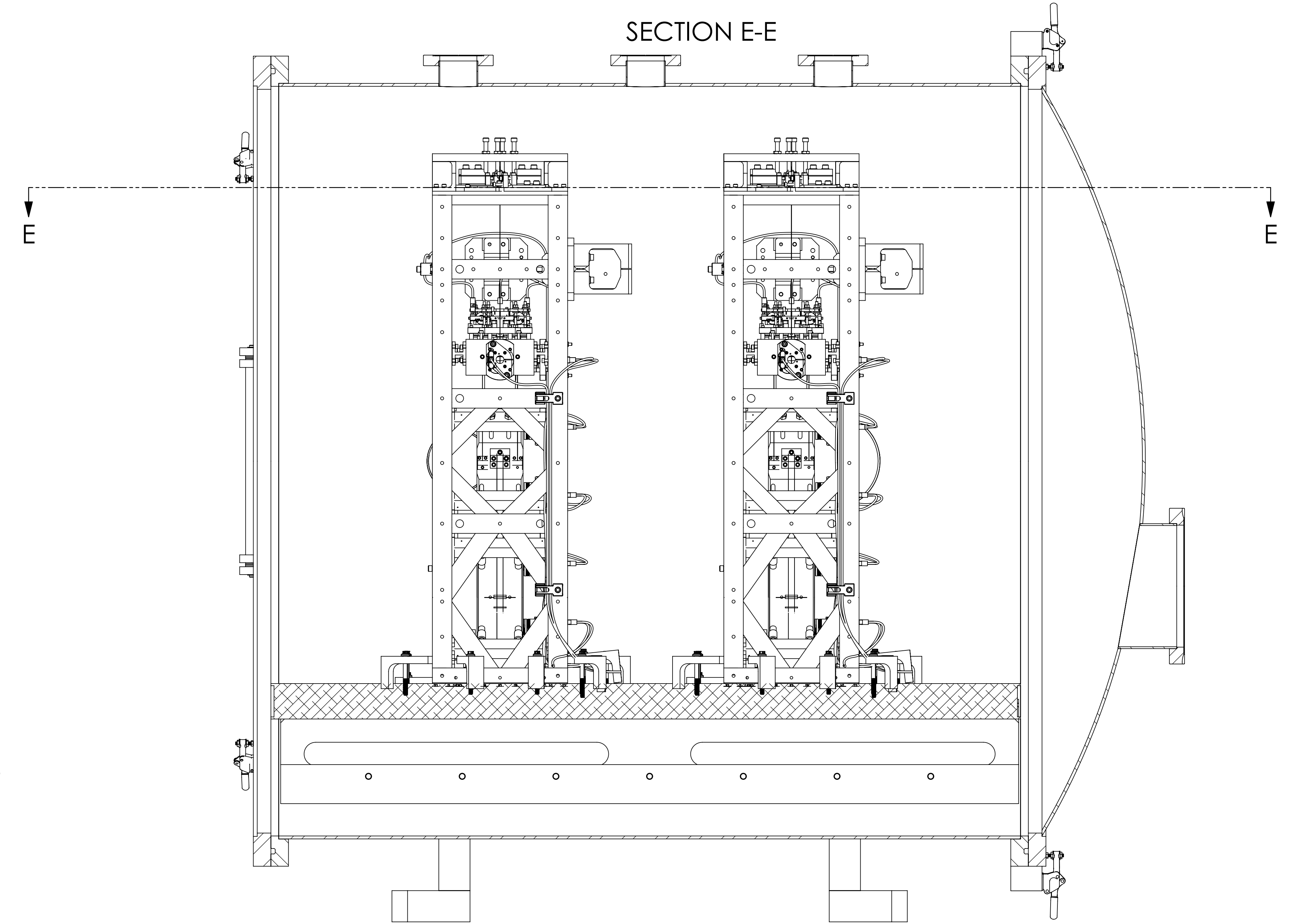
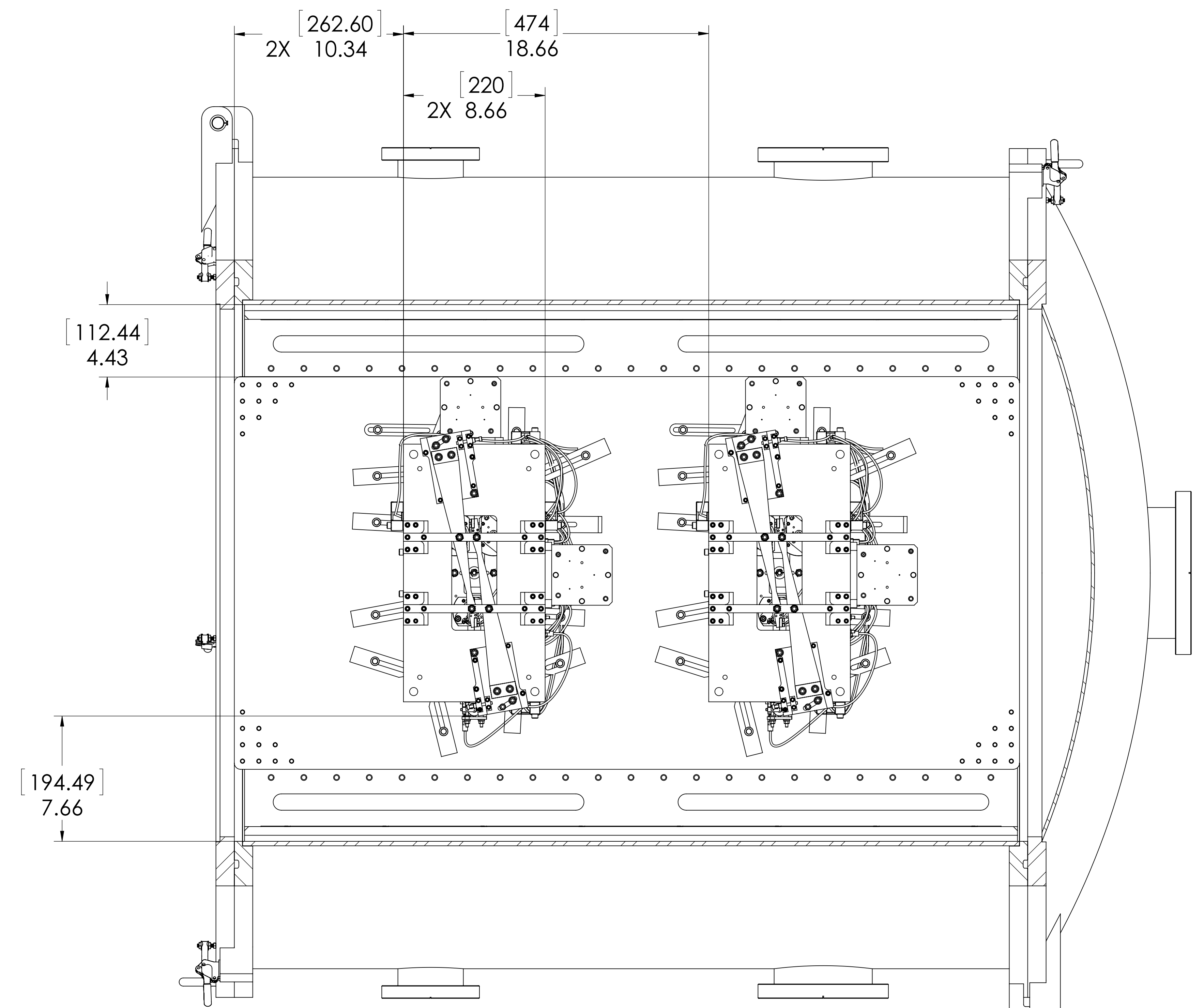
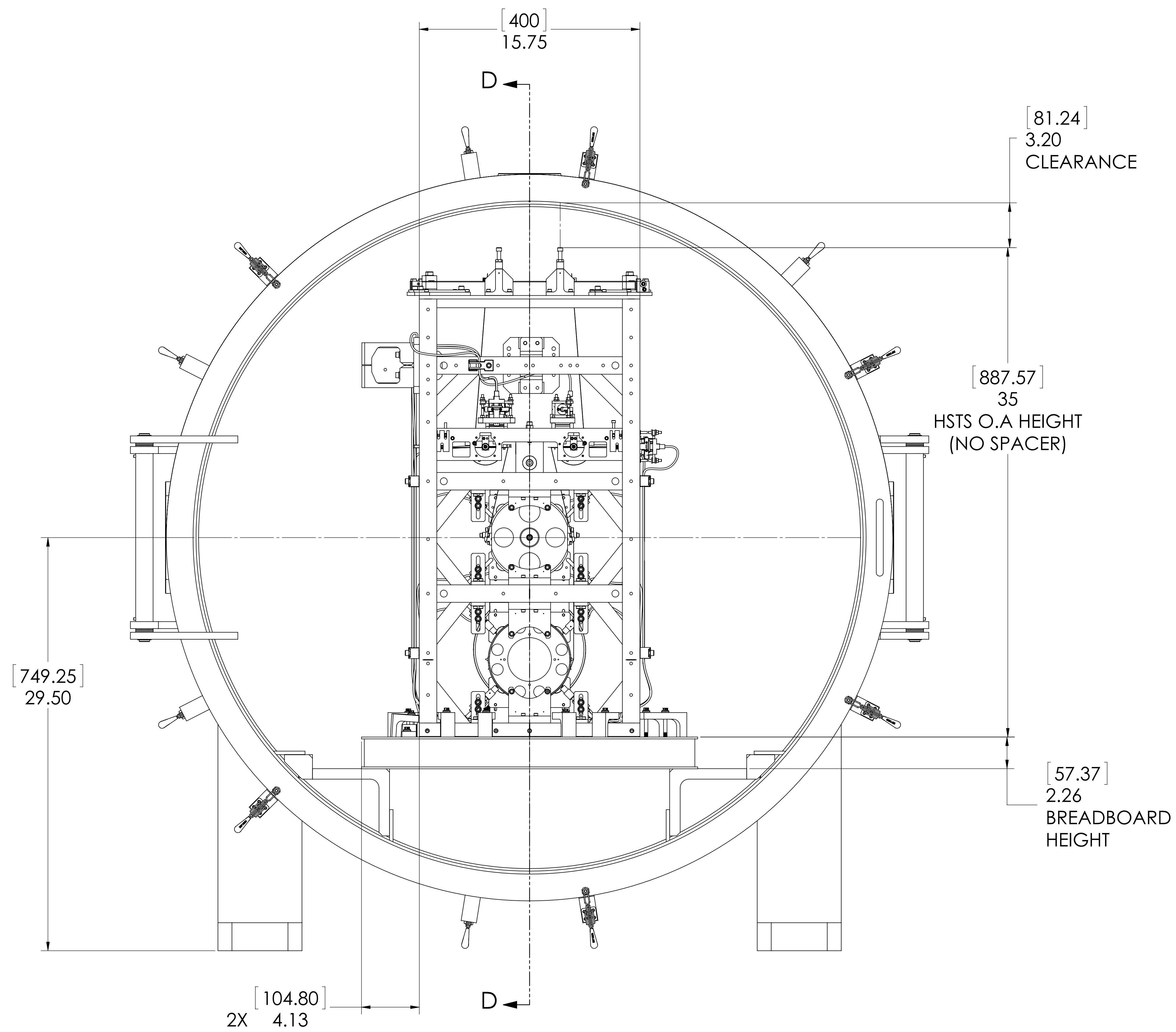
SECTION C-C



SECTION B-B

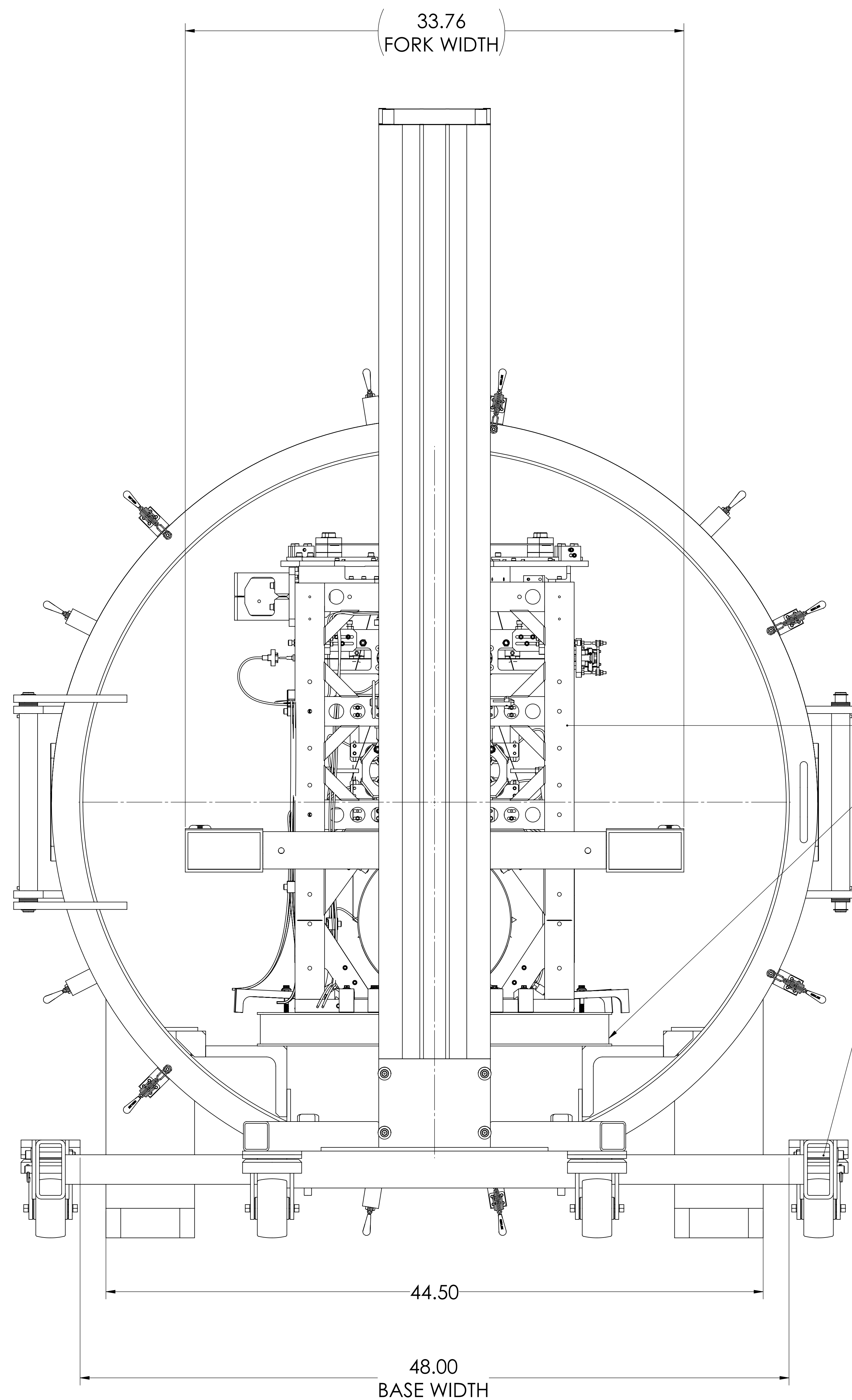
# HSTS CLEARANCES

(INTERNAL--SHOWN FOR REFERENCE ONLY)

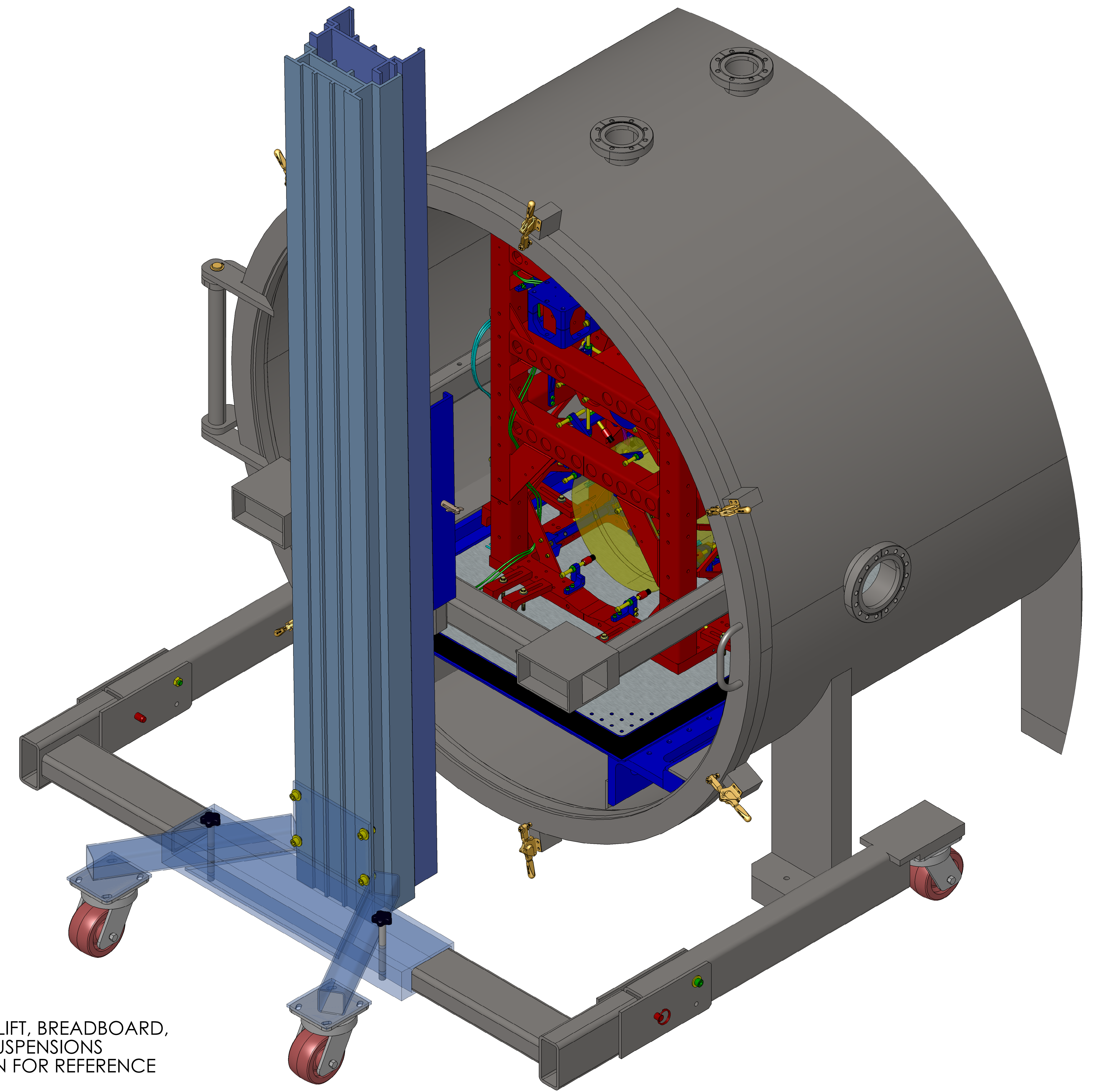


# GENIE LIFT SLA-10 CLEARANCES

(INTERNAL--SHOWN FOR REFERENCE ONLY)



GENIE LIFT, BREADBOARD,  
AND SUSPENSIONS  
SHOWN FOR REFERENCE  
ONLY

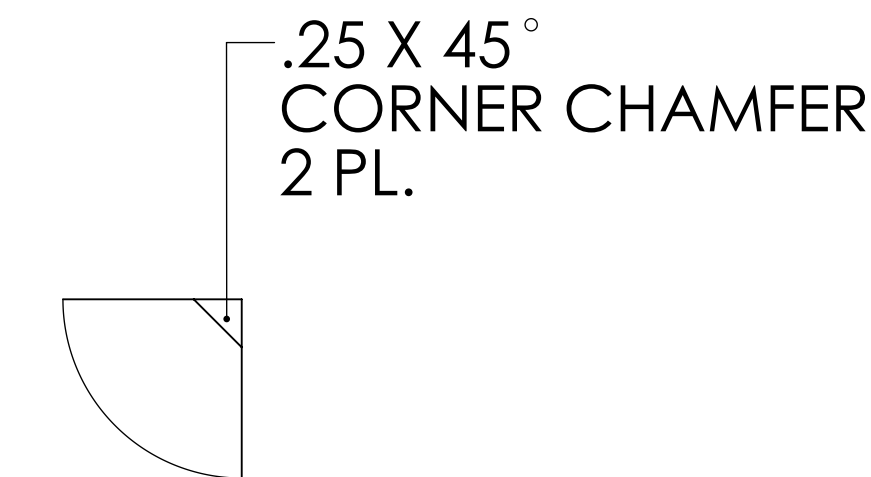
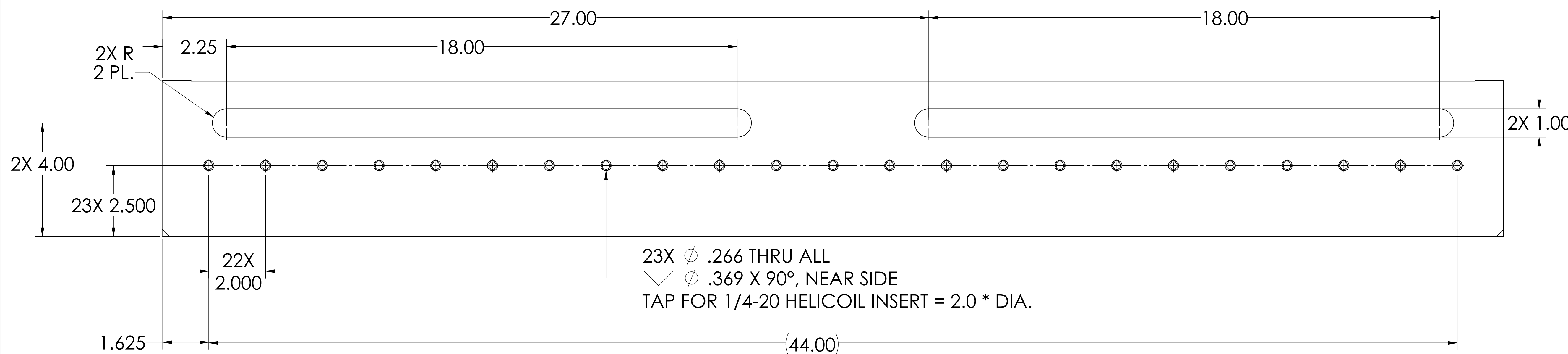


ISO VIEW - PARTIAL

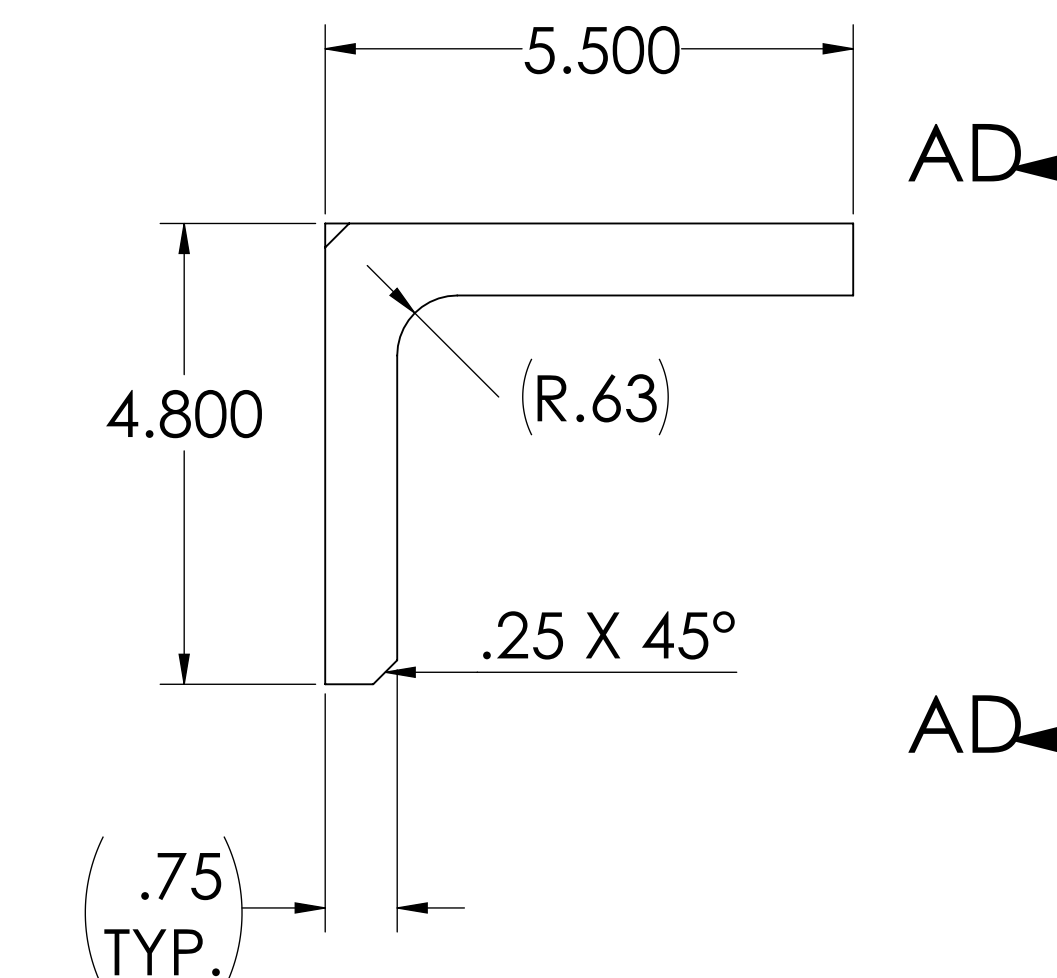
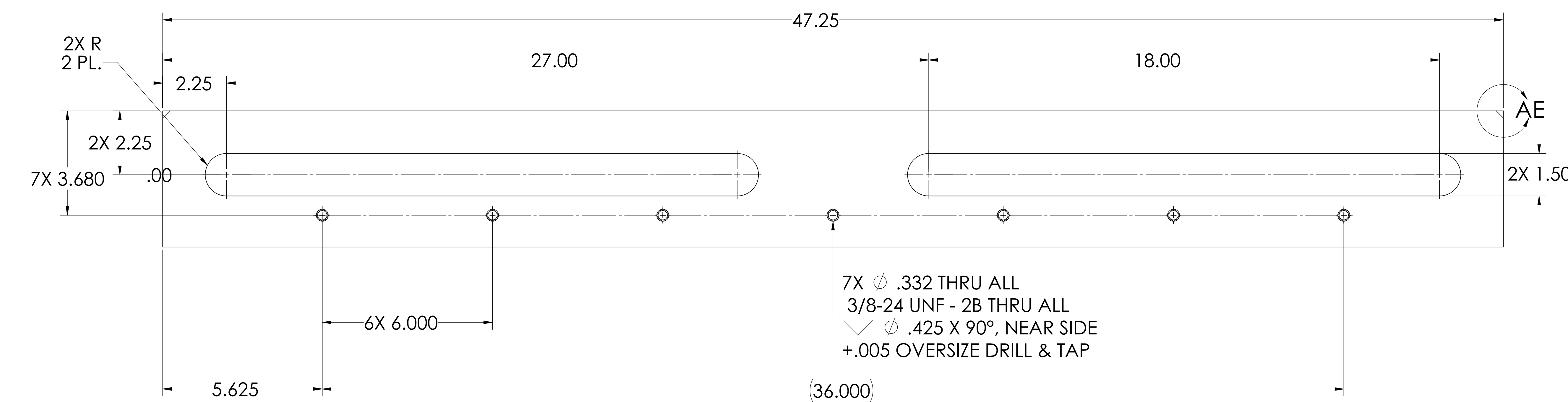
4. ELECTROPOLISH AFTER FABRICATION TO REMOVE .0005 - .001 FROM ALL SURFACES.

-101 DETAIL

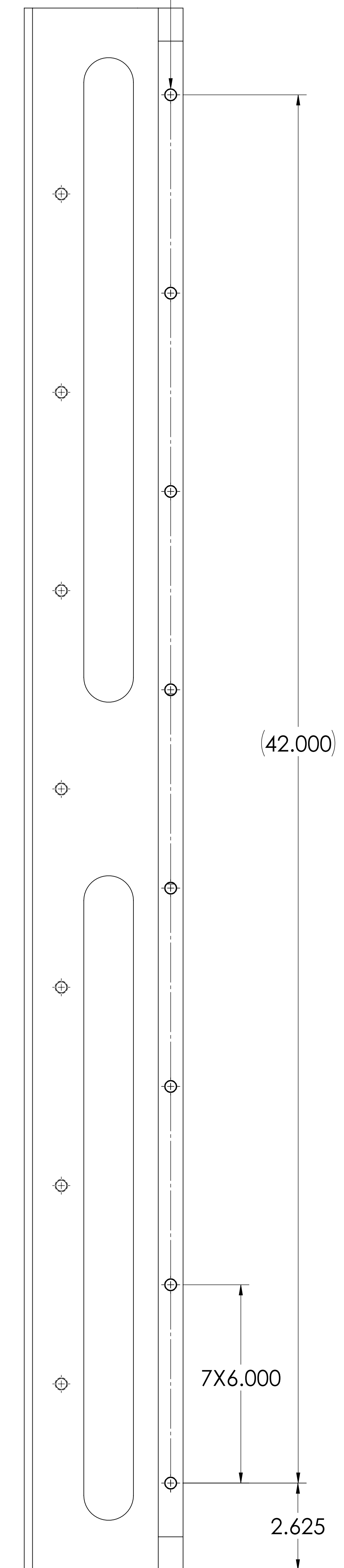
MAKE FROM: 6061-T6 AL ALLOY ANGLE  
6" X 6" X .75"



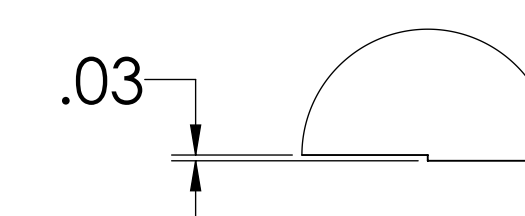
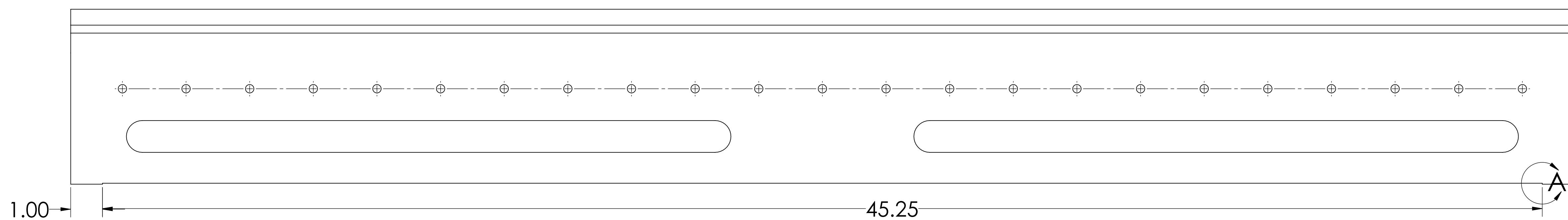
DETAIL AE  
SCALE 1 : 1



8X  $\phi$  .332 THRU  
 3/8-24 UNF - 2B THRU  
 $\sphericalangle$   $\phi$  .425 X 90°, NEAR SIDE  
 +.005 OVERSIZE DRILL & TAP



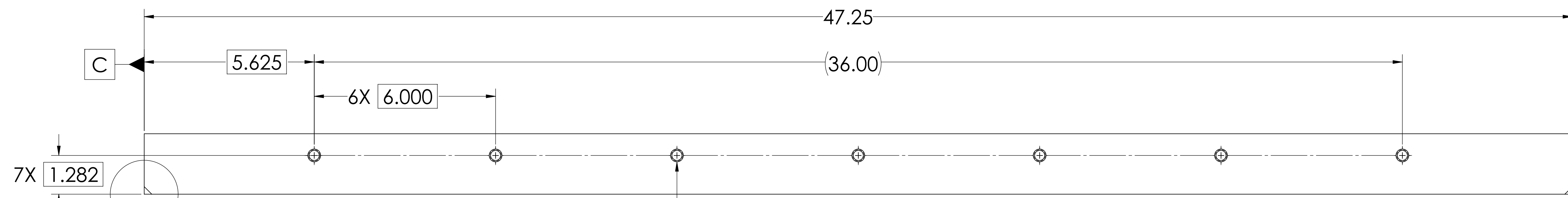
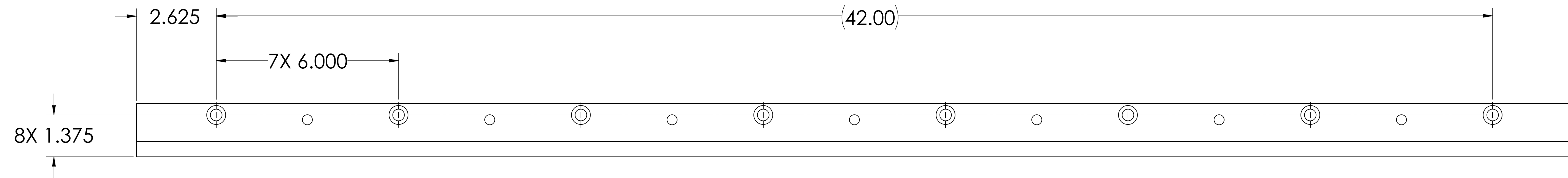
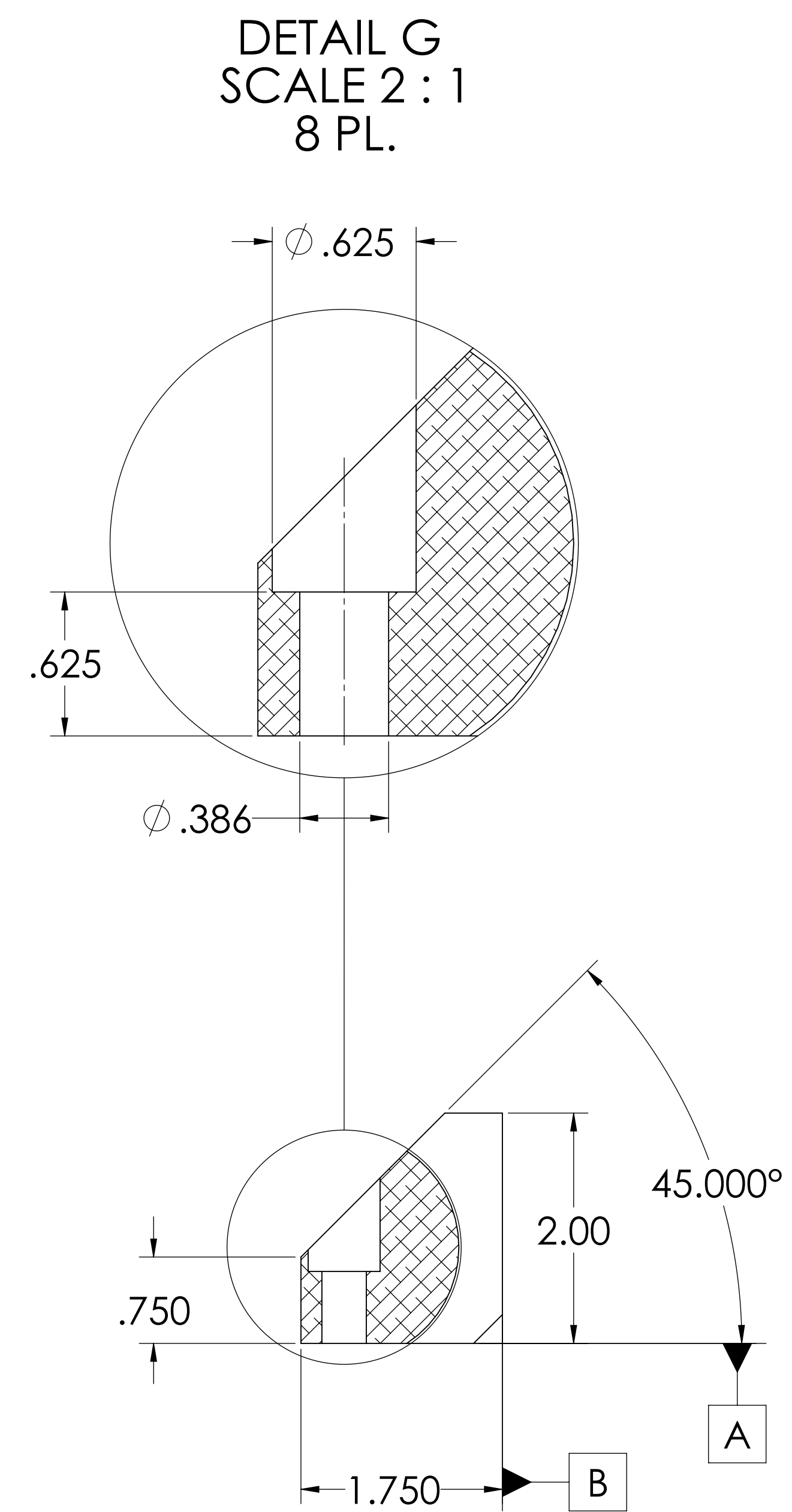
SECTION AD-AD  
(ROTATED 90 DEGREES CW)



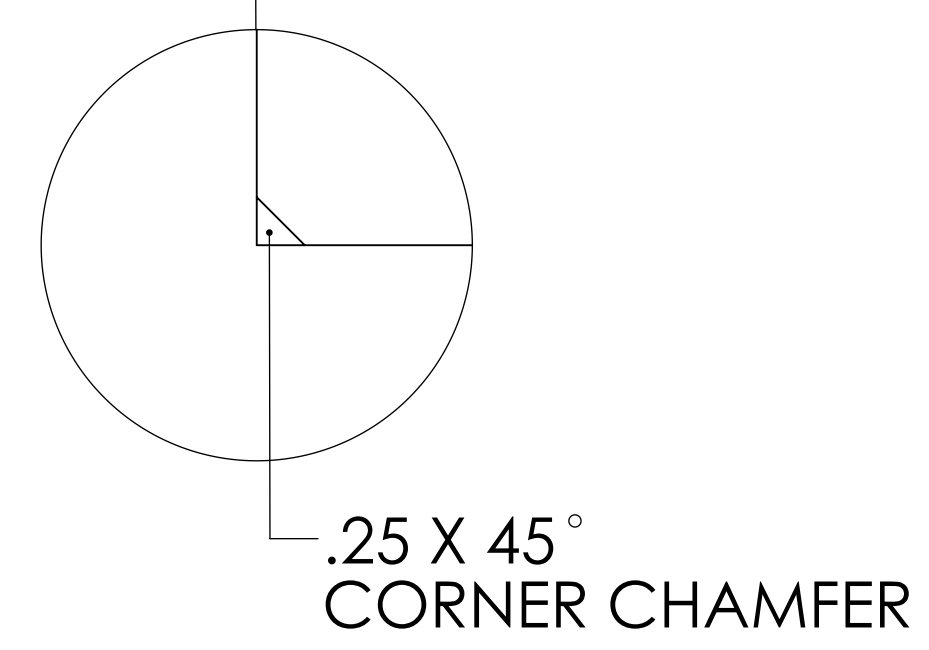
DETAIL AF  
SCALE 1 : 1

SHELF

**-102 DETAIL**  
 MAKE FROM: 6061-T6 AL ALLOY



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



**DETAIL AH**  
 SCALE 1 : 1

**SHELF**