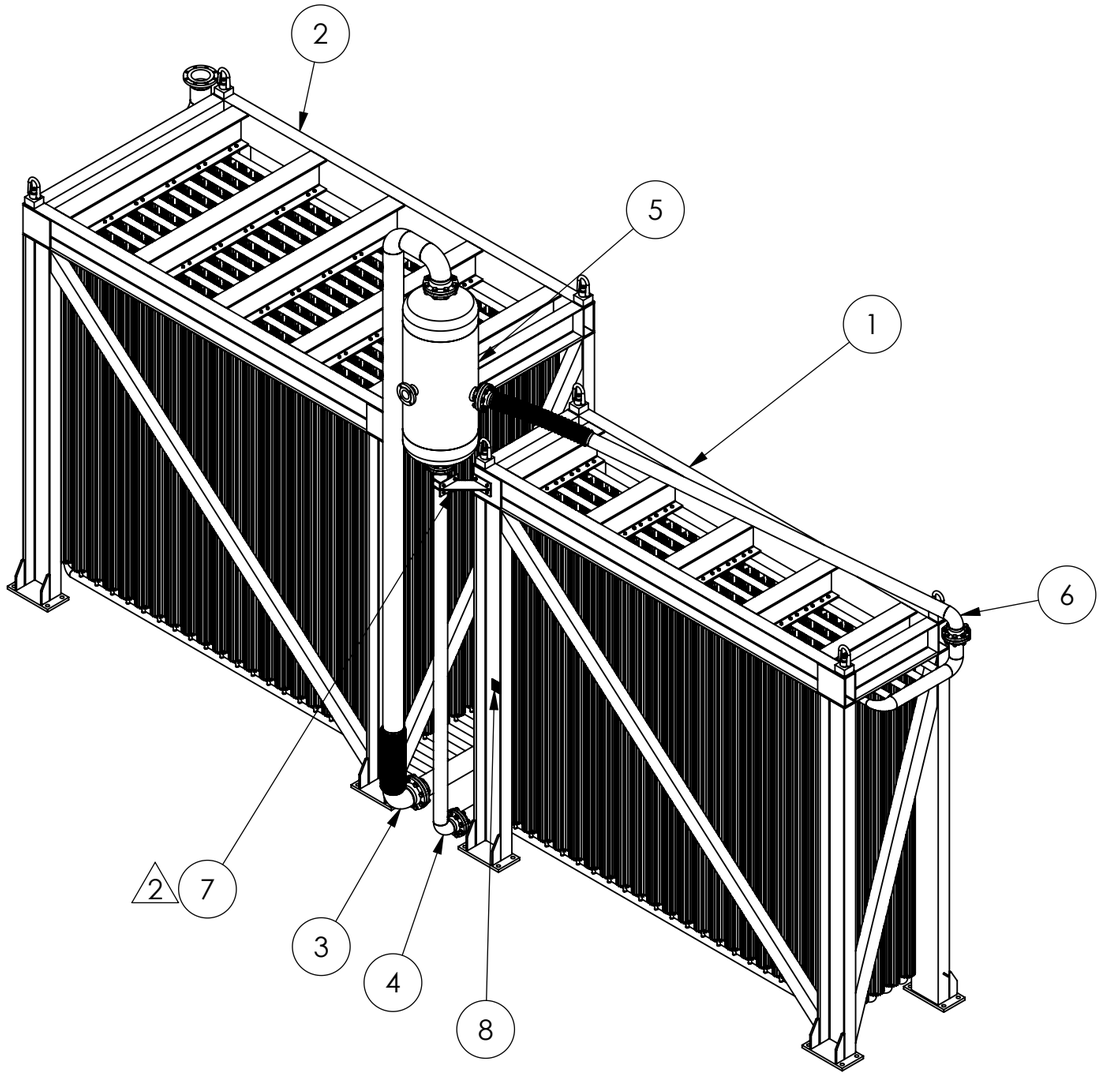
NOTES:

1. DRILL AND TAP #6-UNC MOUNTING HOLES FOR NAME PLATE APPROX. WHERE SHOWN
2. INSTALL ITEM 7 USING UBOLTS PROVIDED WITH ASSEMBLY AND ITEMS 14 AND 15
3. MAKE ALL FLANGED CONNECTIONS USING ITEMS 9, 10, AND USINGAPPROPRIATE GASKET AND TORQUE

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED



ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	QTY.
1	1107-12000	Boiler Unit		1
2	1107-13000	Superheater Unit		1
3	1107-11000-000	Boiler-Superheater Connection Line		1
4	1107-14000-000	Head Line		1
5	1107-15000-000	Liquid-Vapor Separator		1
6	1107-16000-000	Boiler Return Line		1
7	1107-40100-000	Boiler Support Bracket		1
8	1107-10001	Name Plate	Brass	1
9	Narrow FW 0.875	Washer, Narrow, 3/4"	316 Stainless Steel	96
10	HHNUT 0.7500-16-B-N	Nut, Hex Head, Heavy, 3/4"-16	316 Stainless Steel	48
11	HHBOLT 0.7500-16x3.25x3.25-N	Bolt, Hex Head, Heavy, 3/4"-16 x 3.25"	316 Stainless Steel	48
12	4IPS Flange Gasket	4IPS Flange Gasket - Glass Impregnated PTFE	Glass-Filled PTFE	4
13	6IPS Flange Gasket	6IPS Flange Gasket - Glass Impregnated PTFE	Glass-Filled PTFE	2
14	Preferred Narrow FW 0.375	Washer, Narrow, 3/8"	316 Stainless Steel	4
15	HBOLT 0.3750-16x1x1-N	Bolt, Head Head, 3/8"-16 x 1.0"	316 Stainless Steel	4

		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ±1/16 ANGULAR: ±1 TWO PLACE DECIMAL ±.03 THREE PLACE DECIMAL ±.005	DRAWN	JeremyM	1/13/2012
			CHECKED	GEM	1/21/2012
			ENG APPR.		
			MFG APPR.		
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.		
	NASA NNK11EB53P	MATERIAL	COMMENTS:		
NEXT ASSY	USED ON	FINISH			
APPLICATION		DO NOT SCALE DRAWING			

McCRYO
BOULDER, COLORADO

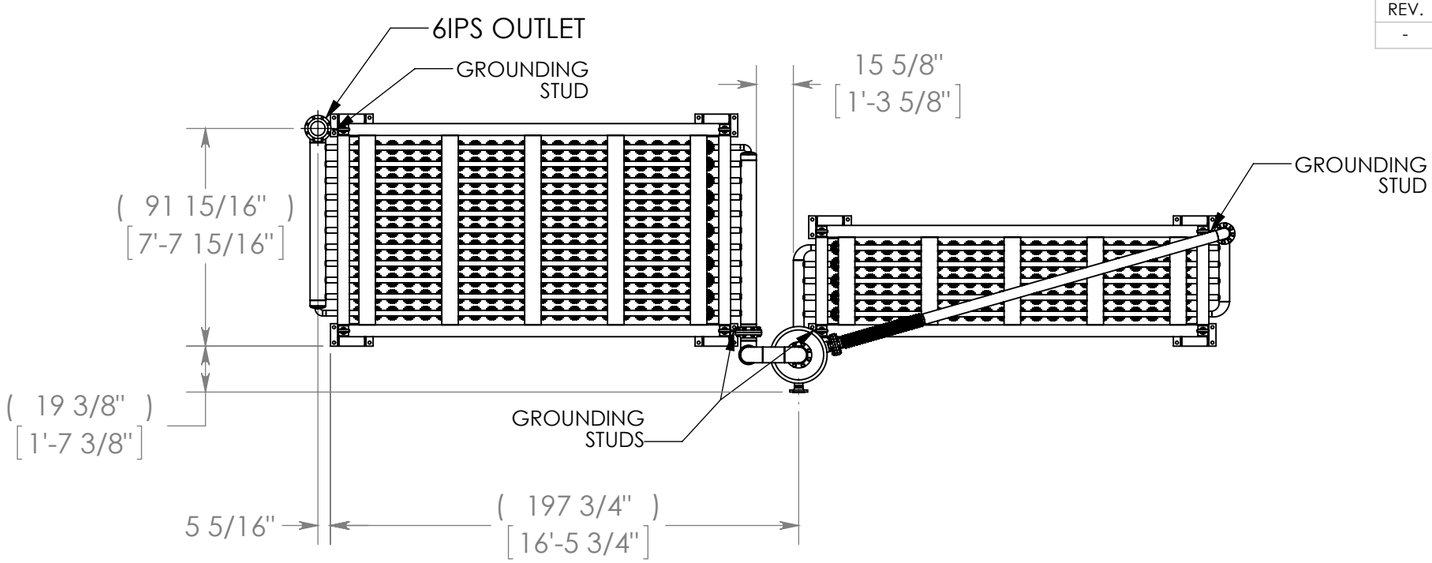
TITLE:

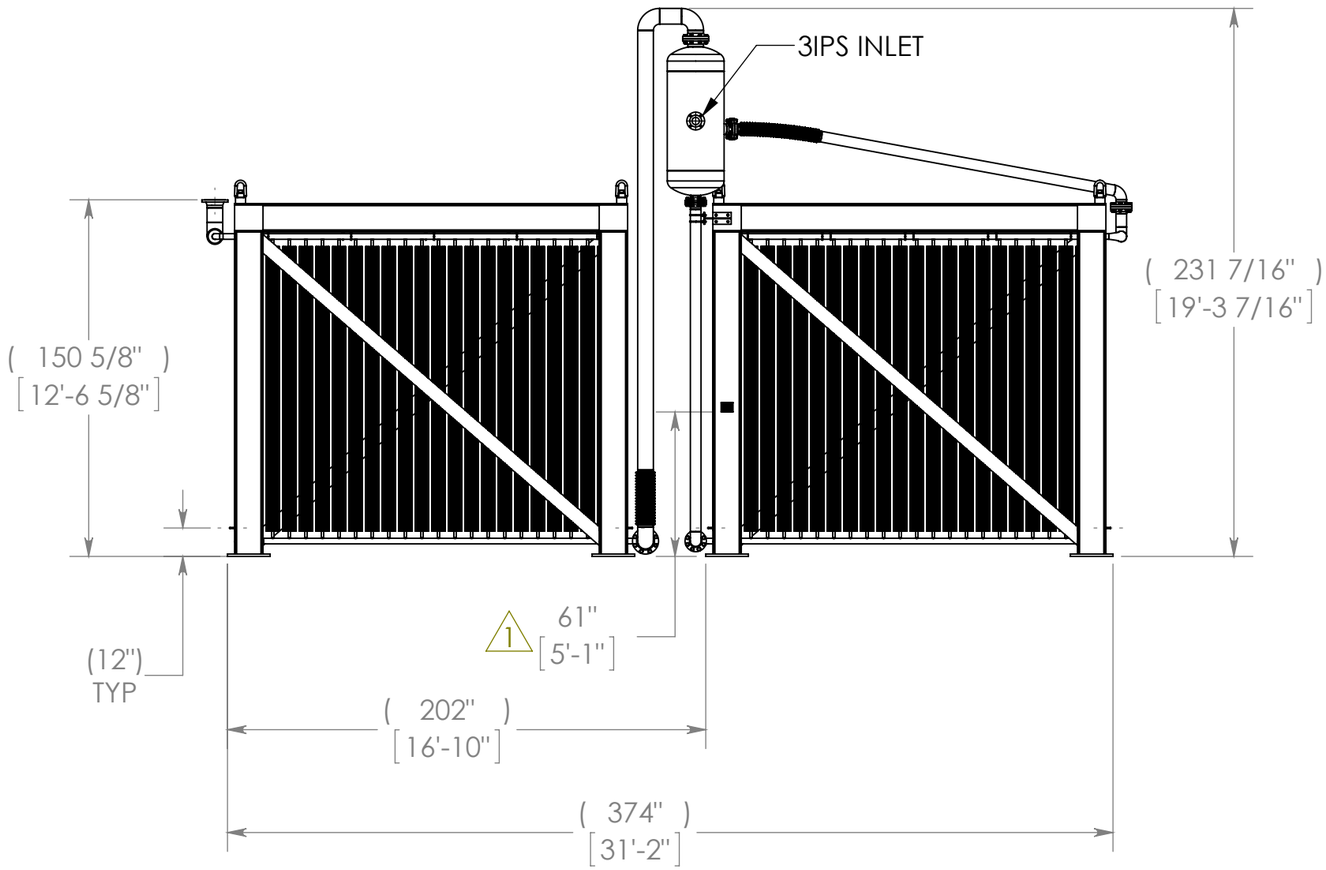
Vaporizer for Launch Complex 39B

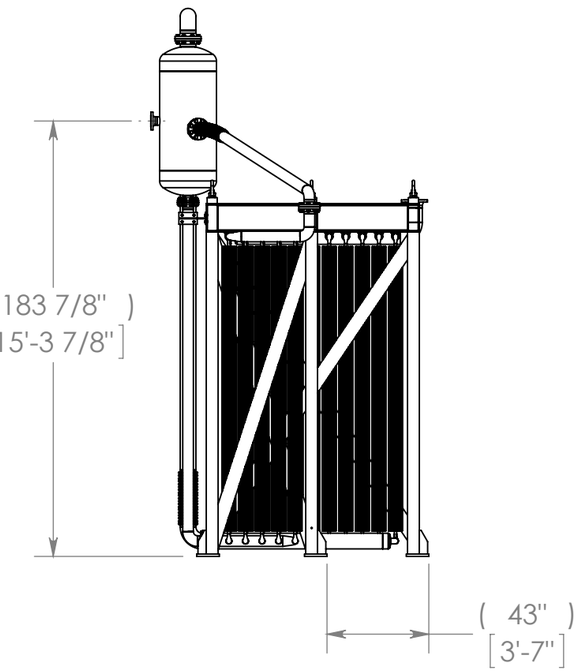
SIZE	DWG. NO.	REV
B	1107-10000	A-17

SCALE: 1:48	WEIGHT: 33809.128LB	SHEET 1 OF 3

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
-	SEE SHEET 1	-	-

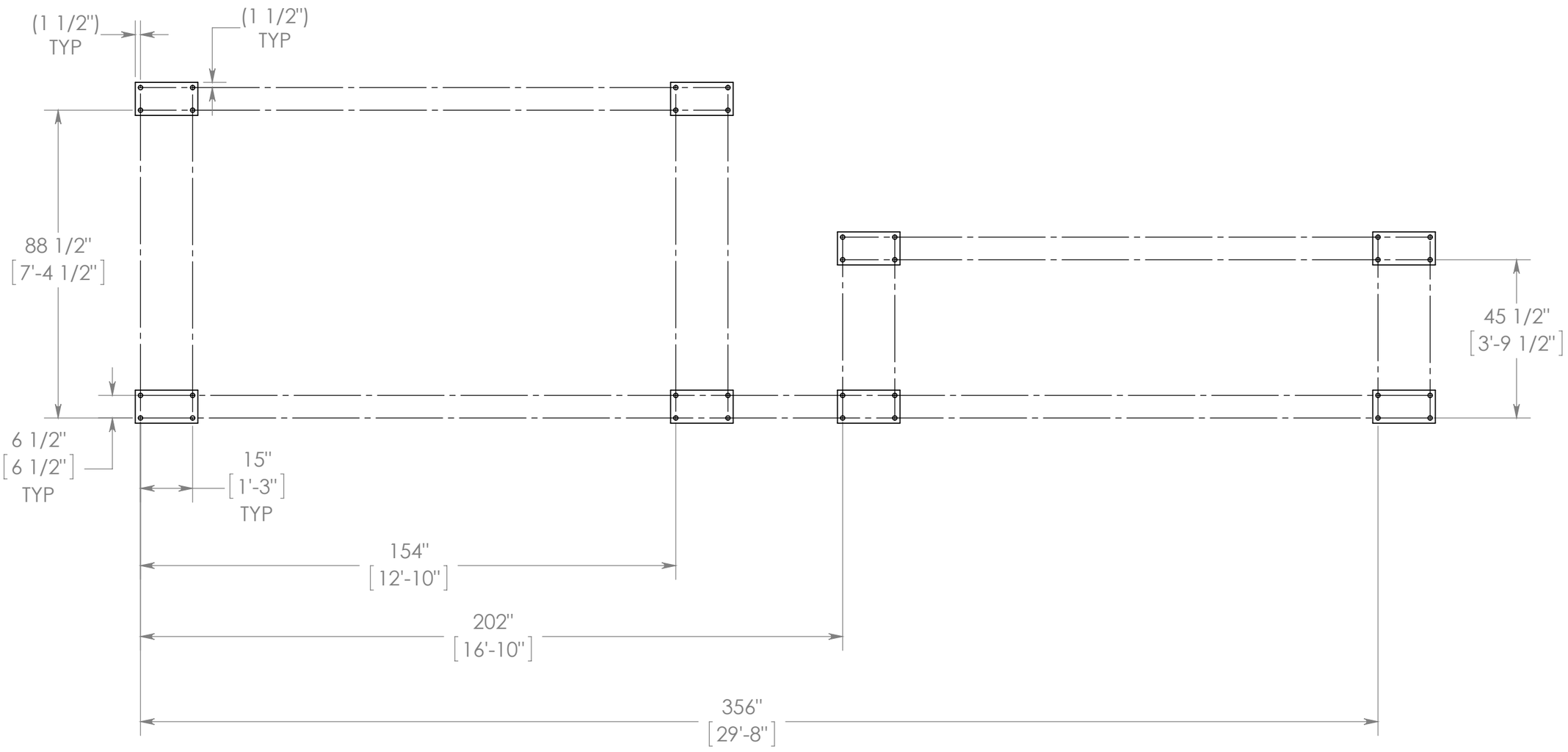






SIZE	DWG. NO.	REV
B	1107-10000	A-17
SCALE: 1:64	WEIGHT: 33809.128LB	SHEET 2 OF 3

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
-	SEE SHEET 1	-	-



MOUNTING HOLE PATTERN

MOUNTING PLATES SHOWN FOR REFERENCE
INTENDED FOR USE WITH 1" MOUNTING BOLTS/STUDS

SIZE	DWG. NO.	REV
B	1107-10000	A-17
SCALE: 1:32	WEIGHT: 33809.128LB	SHEET 3 OF 3