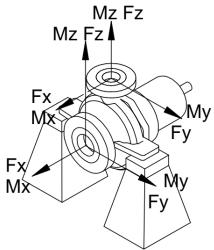




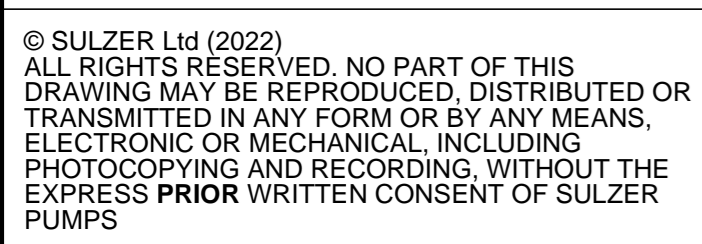
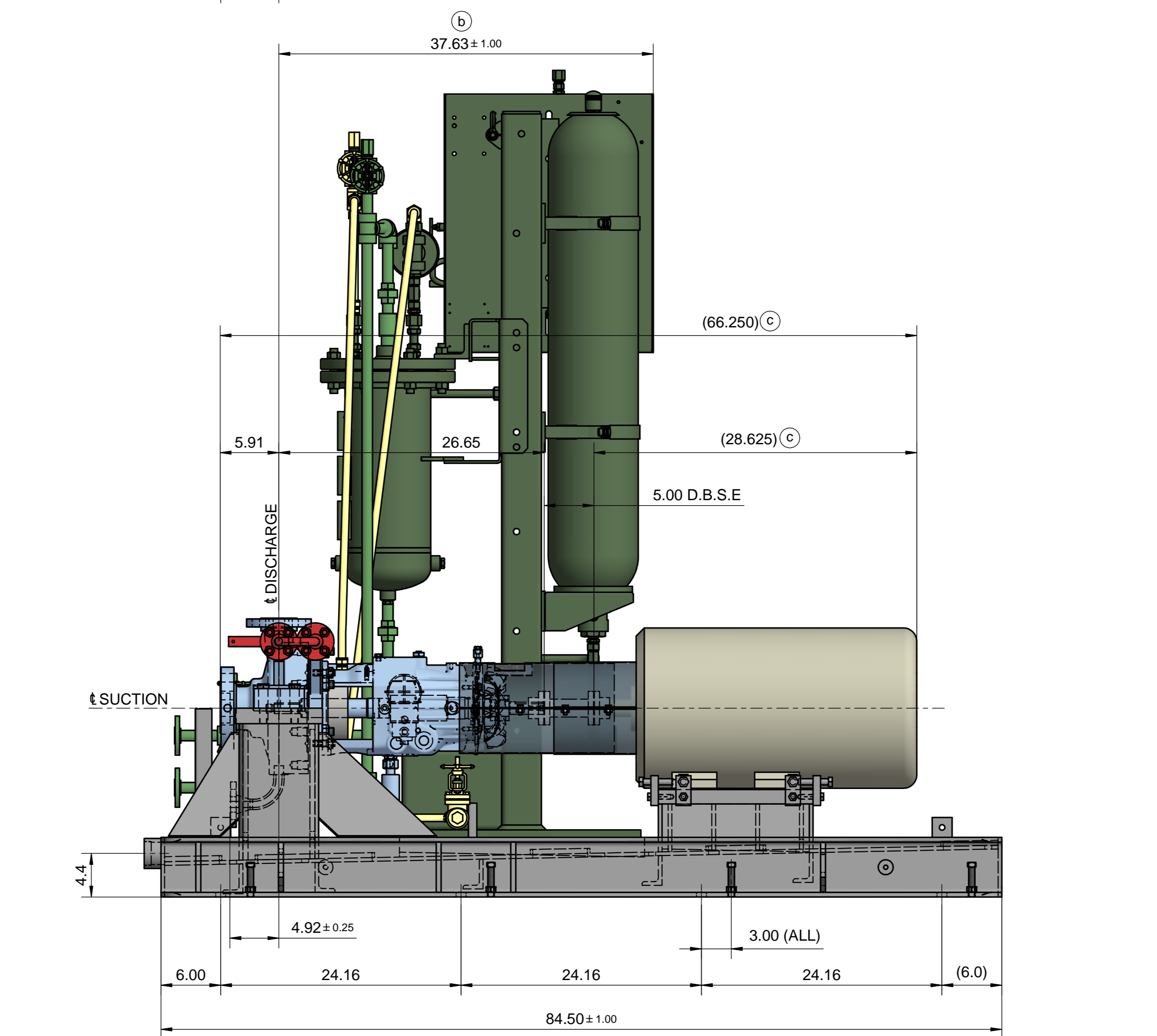
## MAXIMUM NOZZLE LOADINGS

These nozzles shall comply with 2.0 times of the forces shown in API 610<sup>11th</sup>

FORCE IN (Lb)      MOMENTS IN (Ft-Lb)



		SUCT	DISCH
FORCE	Fx	600	320
	Fy	480	260
	Fz	400	400
	Fr	860	580
MOMENTS	Mx	1400	680
	My	700	340
	Mz	1060	520
	Mr	1900	920




CONTRACT DATA	
PURCHASER:	AIR PRODUCTS MANUFACTURING LLC
USER:	WORLD ENERGY PARAMOUNT
JOB/PROJECT:	WORLD ENERGY RENEWABLES - API 610 PUMPS
CUST. P.O. NO.:	4505610423
SERVICE:	LP ABSORBER RICH AMINE PUMP
INSTALLED AT:	WORLD ENERGY PARAMOUNT, CA, USA
PUMP OEM:	SPMX
SULZER ORDER NO.:	100462910-0020
WBS:	1801
CWA:	10"

SULZER SERIAL NO.	CUSTOMER TAG NO'S	
	PUMP	DRIVER
650955	18-P-351A	18-P-351AM
650956	18-P-351B	18-P-351BM

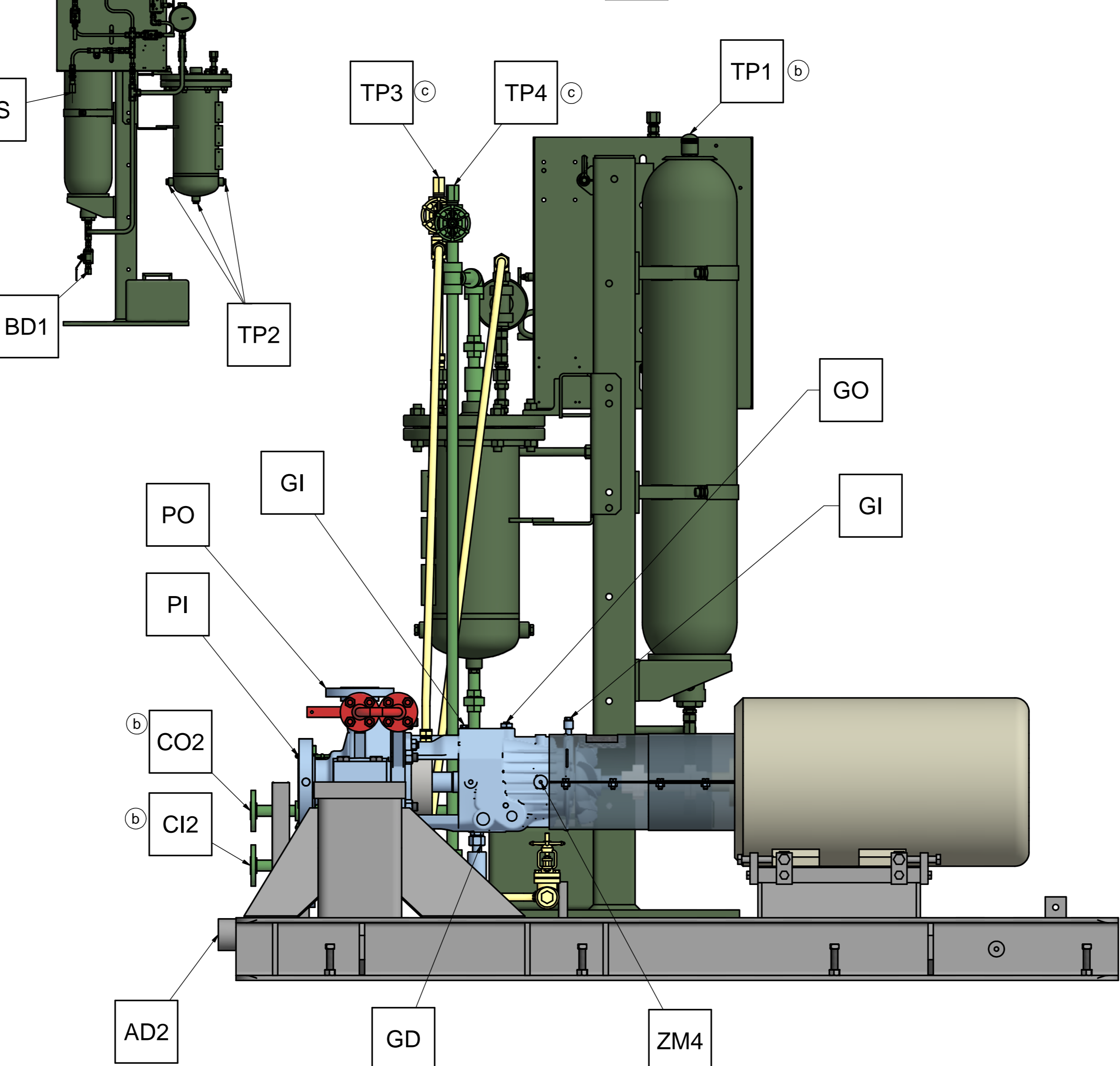
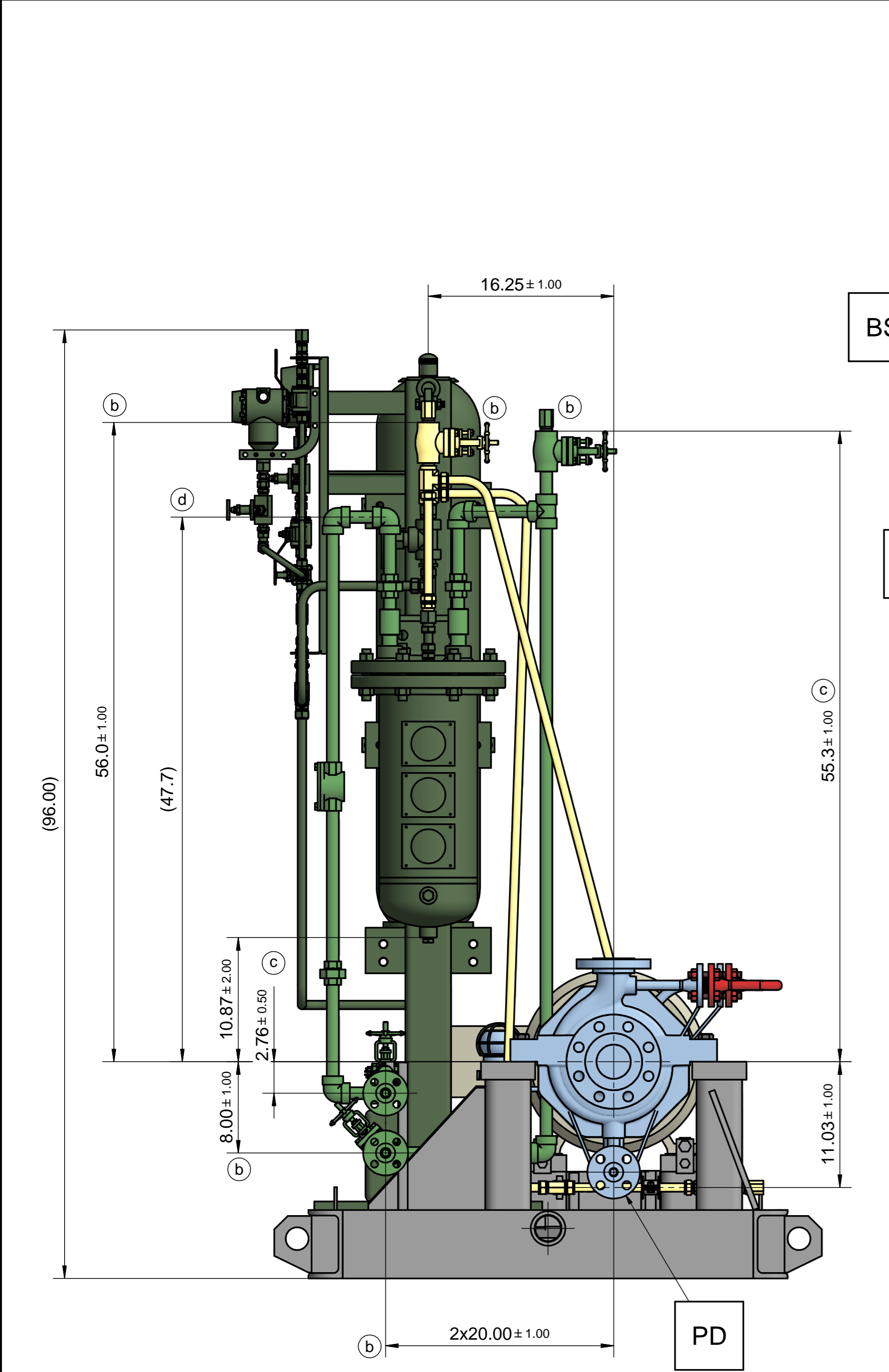
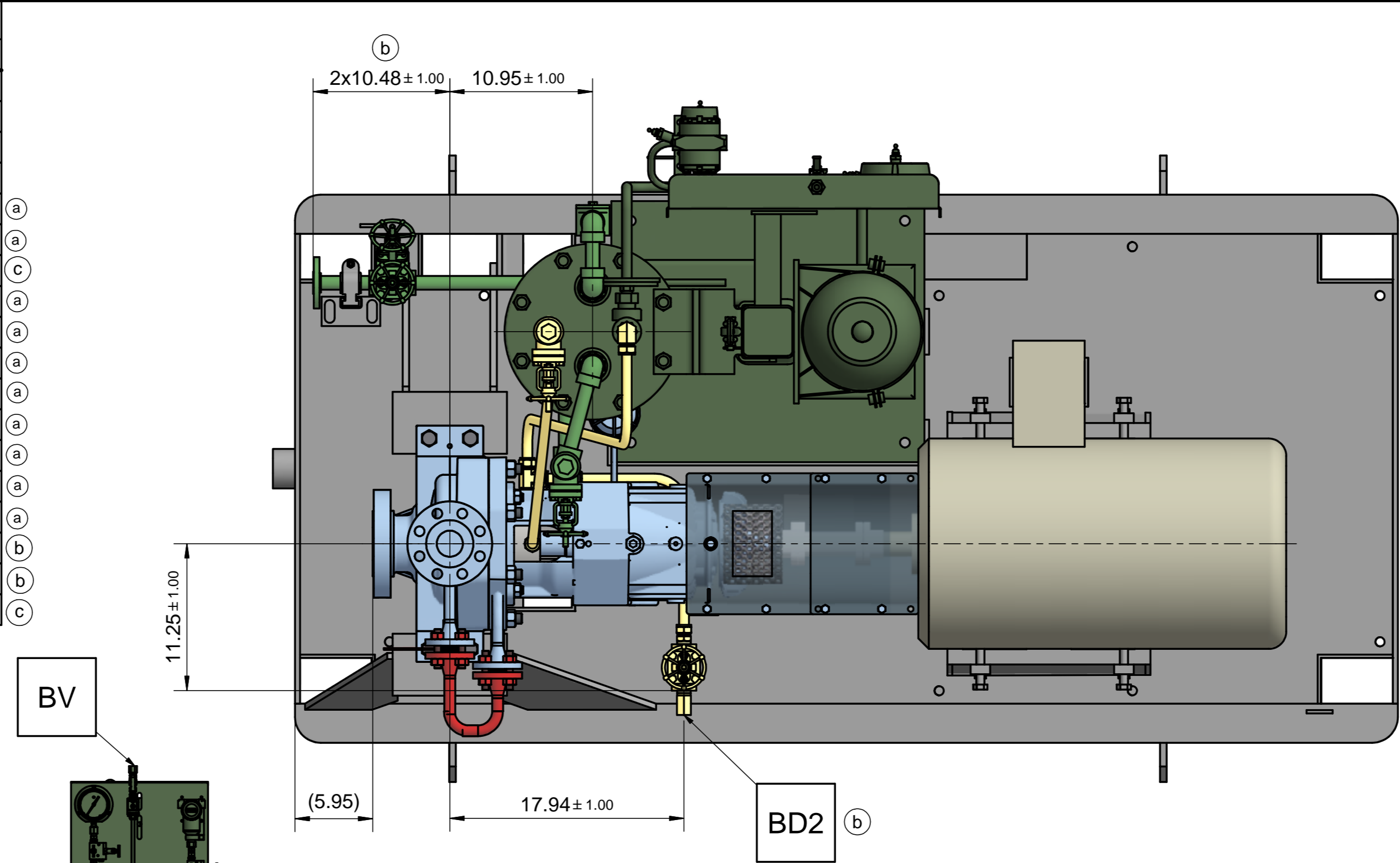
(a)

COG	X	Y	Z
PUMP	11.8	19.0	27.7
MOTOR	61.6	18.9	26.9
BASEPLATE	39.3	5.4	22.6
SYSTEM	34.9	45.3	9.2
PACKAGE	46.0	20.5	22.6

COG=CENTER OF GRAVITY

(d)	AS BUILT REVISION				08-30-2023	08-30-2023	08-30-2023
					C. ORTIZ	J. PELCASTRE	C. GONZALEZ
REV.		MODIFICATION			MODIFIED	CHECKED	APPROVED
SEP. PARTS LIST:		NO	FORMAT: A1	DESIGN GROUP: -		THIRD ANGLE PROJECTION 	
REPLACED BY:		- SUBSTITUTE FOR:				ORIGINAL SCALE: -	
OHH		GENERAL ARRANGEMENT FOUNDATION AND NOZZLE				DRAWN: 23-02-2022 C. ORTIZ	
2x3x8-1						CHECKED: 23-02-2022 J. PELCASTRE	
SPMX		-				APPROVED: 23-02-2022 C. GONZALEZ	
100462910-0020		GENERAL ARRANGEMENT DRAWING					
<b>SULZER</b>		PART NO. -	EN PGA1004629100020-01				2 / 3

CONNECTION LEGEND			
ITEM	DESCRIPTION	SIZE	TYPE
PI	PUMP SUCTION NOZZLE	3.00"	300 RF
PO	PUMP DISCHARGE NOZZLE	2.00"	300 RF
PD	PUMP DRAIN	0.75"	300 RF
AD2	BASE DRAIN	2.00"	NPT FEMALE
GI	OIL MIST - INLET (PROVISION)	0.25"	NPT PLUGGED
GO	OIL MIST - OUTLET (PROVISION)	0.75"	NPT PLUGGED
GD	OIL DRAIN	0.75"	RESERVOIR ESCO OSG3X500
BV	PLAN 53B VENT	0.50"	NPT
BD1	RESERVOIR DRAIN	0.50"	NPT
BD2	PLAN 53B DRAIN	0.75"	NPT PLUGGED
BS	RESERVOIR FILL	0.50"	NPT
CI2	COOLING HEADER - INLET	0.75"	150# RF FLANGE
CO2	COOLING HEADER - OUTLET	0.75"	150# RF FLANGE
TP1	N2 CHARGE ADAPTOR	.305	UNF
TP2	HX DRAIN	3x0.50"	NPT PLUGGED
TP3	PLAN 53B - VENT	0.75"	NPT PLUGGED
TP4	PLAN M - VENT	0.75"	NPT PLUGGED
ZM4	VIBRATION PAD	1.25"	FLAT SURFACE



CONTRACT DATA	
PURCHASER:	AIR PRODUCTS MANUFACTURING LLC
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CUST. P.O. NO.:	4505610423
SERVICE:	LP ABSORBER RICH AMINE PUMP
INSTALLED AT:	WORLD ENERGY PARAMOUNT, CA, USA
PUMP OEM:	SPMX
SULZER ORDER NO.:	100462910-0020
WBS:	1801
CWA:	10"

IDENTIFICATION NUMBERS		
SULZER SERIAL NO.	CUSTOMER TAG NO'S	
	PUMP	DRIVER
650955	18-P-351A	18-P-351AM
650956	18-P-351B	18-P-351BM

<div><div></div><div>CERTIFIED FINAL</div></div> <div><div></div><div>CERTIFIED FOR NOZZLE &amp; FOUNDATION ONLY</div></div> <div><div></div><div>PRELIMINARY ONLY</div></div>	DO NOT SCALE. DIMENSIONS: INCH	
	UNLESS OTHERWISE SPECIFIED	
	TOLERANCES	
	.X ± .50	
	.XX ± .12	
	AUXILIARY CUSTOMER CONNECTION DIMENSIONS ± 1.0	

- NOTES:
- CONNECTION INDICATED IN BOX ☐ ARE CUSTOMER CONNECTIONS POINTS.
  - BASEPLATE PREPARED FOR EPOXY GROUT AND SEAL WELDED.

(d) AS BUILT REVISION		08-30-2023	08-30-2023	08-30-2023
		C. ORTIZ	J. PELCASTRE	C. GONZALEZ
REV.	MODIFICATION	MODIFIED	CHECKED	APPROVED
SEP. PARTS LIST:	NO	FORMAT: A1	DESIGN GROUP: -	THIRD ANGLE PROJECTION
REPLACED BY:	-	SUBSTITUTE FOR:	ORIGINAL SCALE:	-
OHh	2x3x8-1	GENERAL ARRANGEMENT CONNECTION LAYOUT		DRAWN: 23-02-2022 C. ORTIZ
SPMX	-	GENERAL ARRANGEMENT DRAWING		CHECKED: 23-02-2022 J. PELCASTRE
100462910-0020	-	GENERAL ARRANGEMENT DRAWING		APPROVED: 23-02-2022 C. GONZALEZ
SULZER		PART NO.	EN PGA1004629100020-01	3 / 3

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EXPRESS **PRIOR** WRITTEN CONSENT OF SULZER  
PUMPS