



Replacement Parts Brochure

CryoDoser Flex™ Liquid Nitrogen Dosing System



Designed and Built by:

Chart Inc.

**46441 Landing Parkway
Fremont, CA 94538 USA
(800) 371-3303**



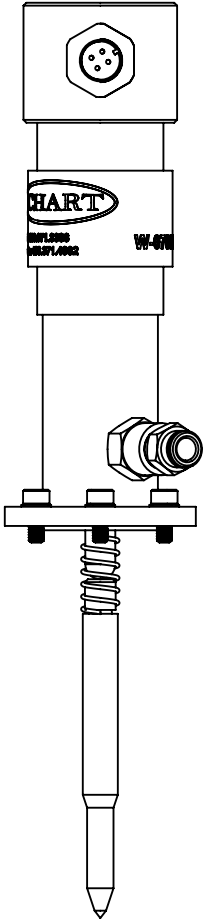
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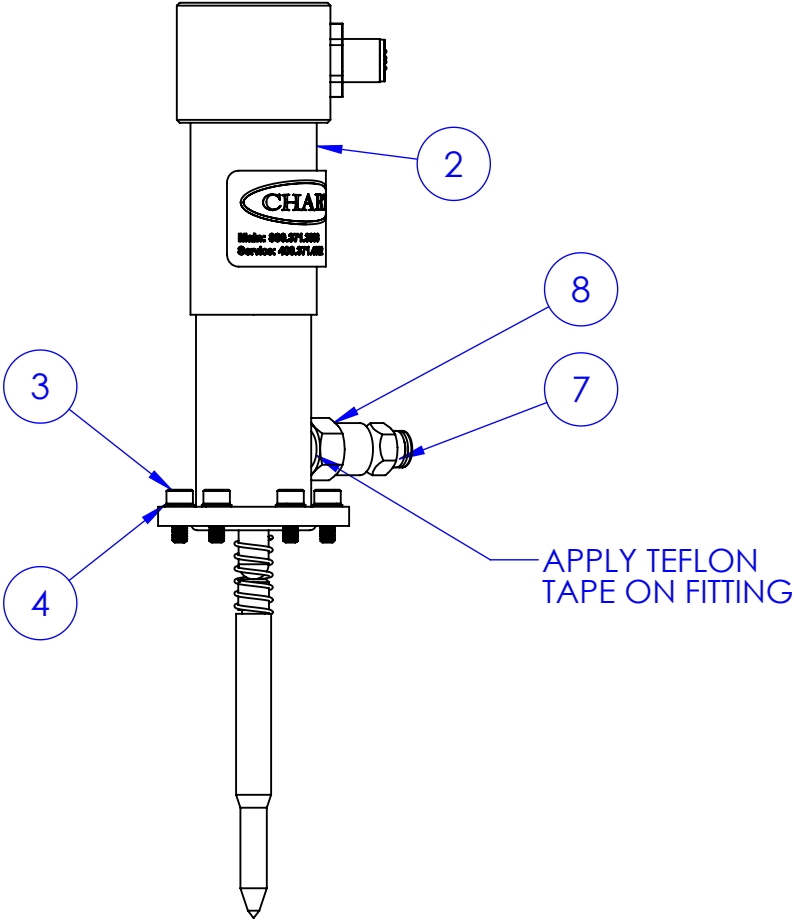
NOTES: UNLESS OTHERWISE SPECIFIED

1. ITEMS 1, 5 & 6 NOT SHOWN.

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	9/25/2017	PN



APPLY LOCTITE ON SCREWS
AT THE TIME OF INSTALLATION

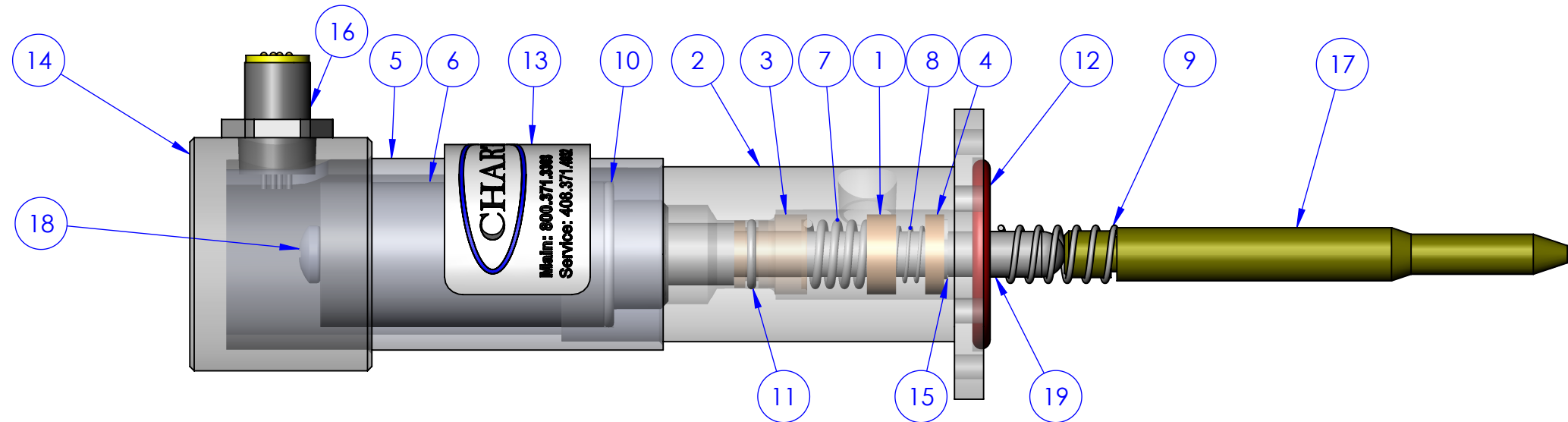


APPLY TEFLON
TAPE ON FITTING

ITEM NO.	DESCRIPTION	QTY.	U/M	PART NUMBER
1	CABLE, EASE M12-5/M12-8, 1.5M	1	EA	2840.902.01
2	EASE - ACTUATOR ASSY, SHORT	1	EA	9650.S
3	SHCS, M4 X 0.7 X 10	6	EA	91292A116
4	WASHER, BHSC, DOSING HEAD	6	EA	1426
5	CAUTION LABEL	1	EA	269
6	LOW TEMP LABEL	1	EA	267
7	FITTING, MALE CONN 1/8-UNI 6MM	1	EA	35098.105.02
8	CHECK VALVE, 1/8 NPT X 1/4 UNI	1	EA	350010.0000.0001

MATERIAL	UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5M-CURRENT			 CHART INDUSTRIES 161 BAYPOINTE PKWY., SAN JOSE, CA 95134 MAIN: (408) 577-1303 • FAX: (408) 577-1567 WWW.CHARTINDUSTRIES.COM		
FINISH	DIMENSIONS ARE IN INCHES TOLERANCES:			TITLE: ACTUATOR ASSY CDFLEX - EASE		
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF CHART IND. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF CHART IND. IS PROHIBITED.	DECIMALS		HOSE			
	.X ± .1		± 1/8 PER FT			
	.XX ± .01					
	.XXX ± .005					
	.XXXX ± .0005			SIZE B	DWG. NO. 35058	
	X° ± .5°					
	DRAWN					
DO NOT SCALE DRAWING	CHECKED			REF:	SCALE: NTS	SHEET 1 OF 1

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	5/15/2017	PN
B	UPDATED BOM, ECR 20150066	6/30/2017	PN
C	UPDATED BOM ITEM 6 DESCRIPTION ECR 20150071	7/27/2017	PN
D	UPDATED BOM, ECR 20150083	10/12/2017	PN
E	UPDATED BOM, ECR 20150141	5/6/2019	PN

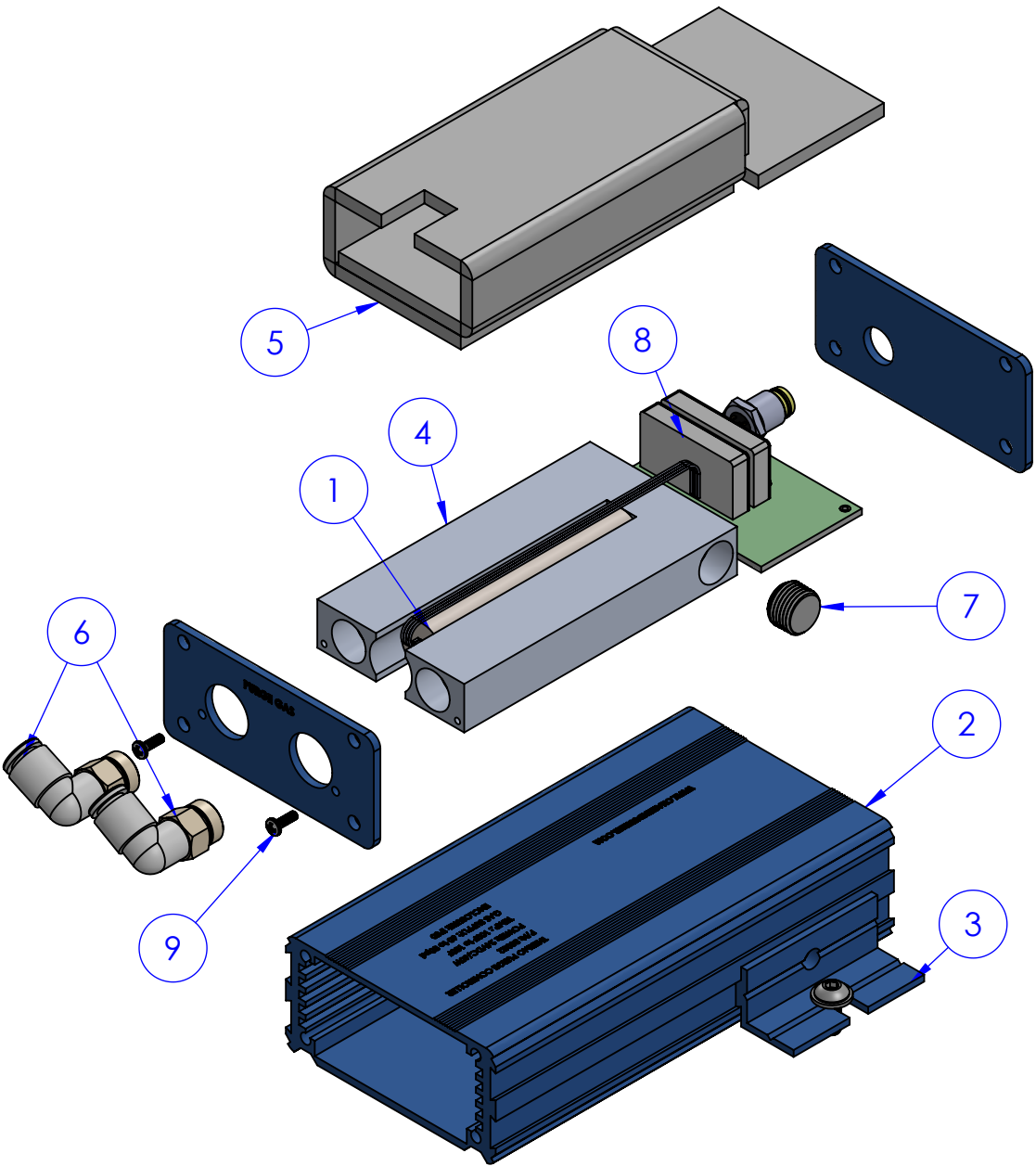
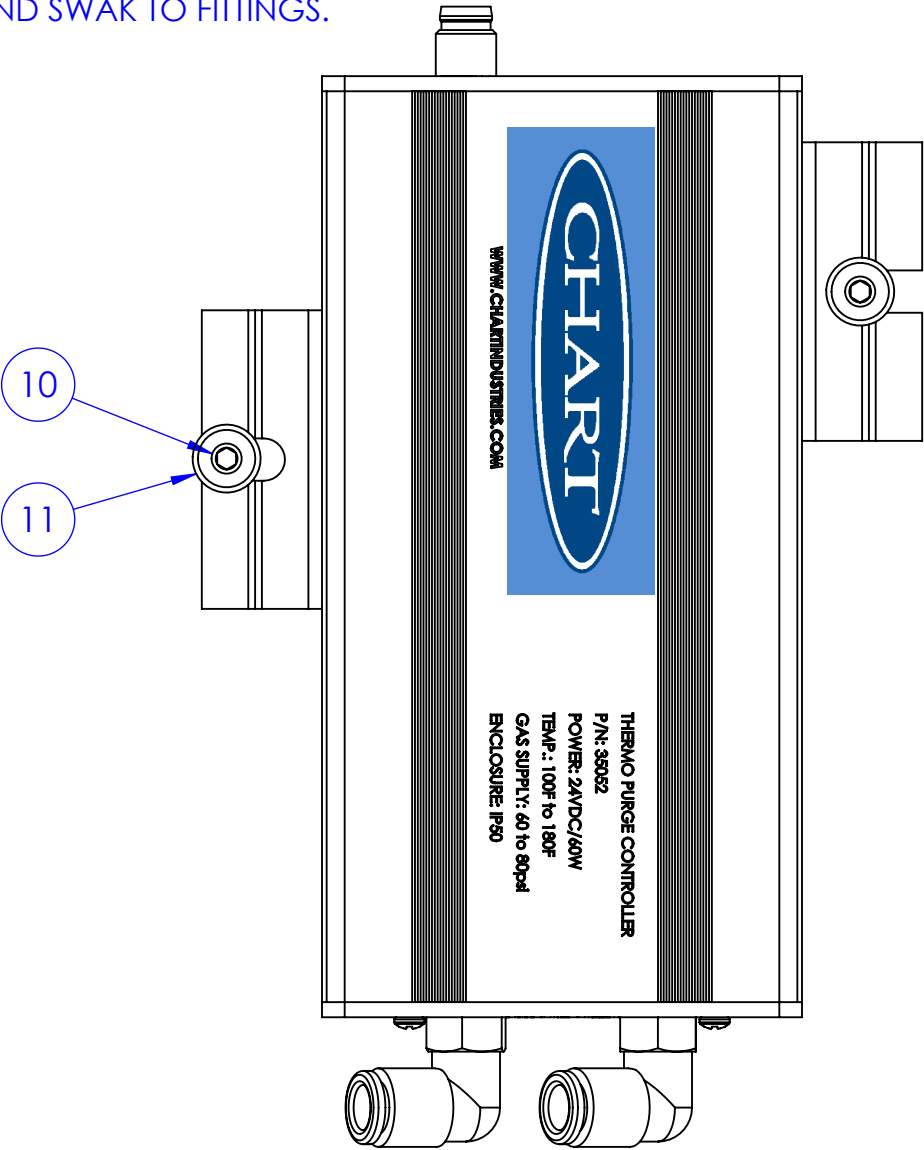


ITEM NO.	DESCRIPTION	QTY.	U/M	MANUFACTURER	CHART PART NUMBER
1	BUSHING, CENTER	1	EA	OPTIONAL	9650.01
2	ADAPTER, TOP, EASE	1	EA	OPTIONAL	9650.02
3	BUSHING, STEM SEAL	1	EA	OPTIONAL	9650.03
4	BUSHING, BOTTOM	1	EA	OPTIONAL	9650.04
5	TUBE, CENTER COVER, EASE	1	EA	OPTIONAL	9650.06
6	SOLENOID ONLY, STA 13.8V	1	EA	OPTIONAL	21380930.OS
7	SPRING, PRIMARY, TOP	1	EA	OPTIONAL	9650.09
8	SPRING, SECONDARY, CENTER	1	EA	OPTIONAL	9650.10
9	SPRING, CONCENTRIC, BOTTOM	1	EA	OPTIONAL	9650.11
10	O-RING, VITON	1	EA	OPTIONAL	9650.13
11	O-Ring, 011 Viton	1	EA	OPTIONAL	201
12	O-RING, SILICON	1	EA	OPTIONAL	9650.19
13	CHART SERIAL #	1	EA	OPTIONAL	356
14	CAP, TOP, EASE, SHORT	1	EA	OPTIONAL	9650.18
15	C-CLIP	1	EA	OPTIONAL	9650.12
16	CONN, MOLEX, EASE	1	EA	OPTIONAL	2840.905.01
17	DOSING STEM, EASE	1	EA	OPTIONAL	9650.08
18	SCREW - PHSS, M5 X 0.8 X 6MM	1	EA	OPTIONAL	350001.1206.006
19	SHAFT, SOLENOID, EASE	1	EA	OPTIONAL	9650.07.2
20	CONNECTOR HOUSING 2-PIN	1	EA	OPTIONAL	21380925
21	CONNECTOR SOCKET 20-24 AWG	1	EA	OPTIONAL	21380927

MATERIAL SEE BOM	UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5M-CURRENT			 CHART INDUSTRIES 161 BAYPOINTE PKWY., SAN JOSE, CA 95134 MAIN: (408)371-3303 FAX: (408)577-1567 WWW.CHARTINDUSTRIES.COM		
	FINISH	DIMENSIONS ARE IN INCHES TOLERANCES: DECIMALS HOSE .X ± .1 ± 1/8 PER FT .XX ± .01 .XXX ± .005 .XXXX ± .0005 X° ± .5° 			TITLE: EASE ASSY, SHORT	
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF CHART IND. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF CHART IND. IS PROHIBITED.	DRAWN		SIZE B	DWG. NO. 9650.S		
DO NOT SCALE DRAWING	CHECKED			REF:	SCALE: NTS	SHEET 1 OF 2

NOTES: UNLESS OTHERWISE SPECIFIED

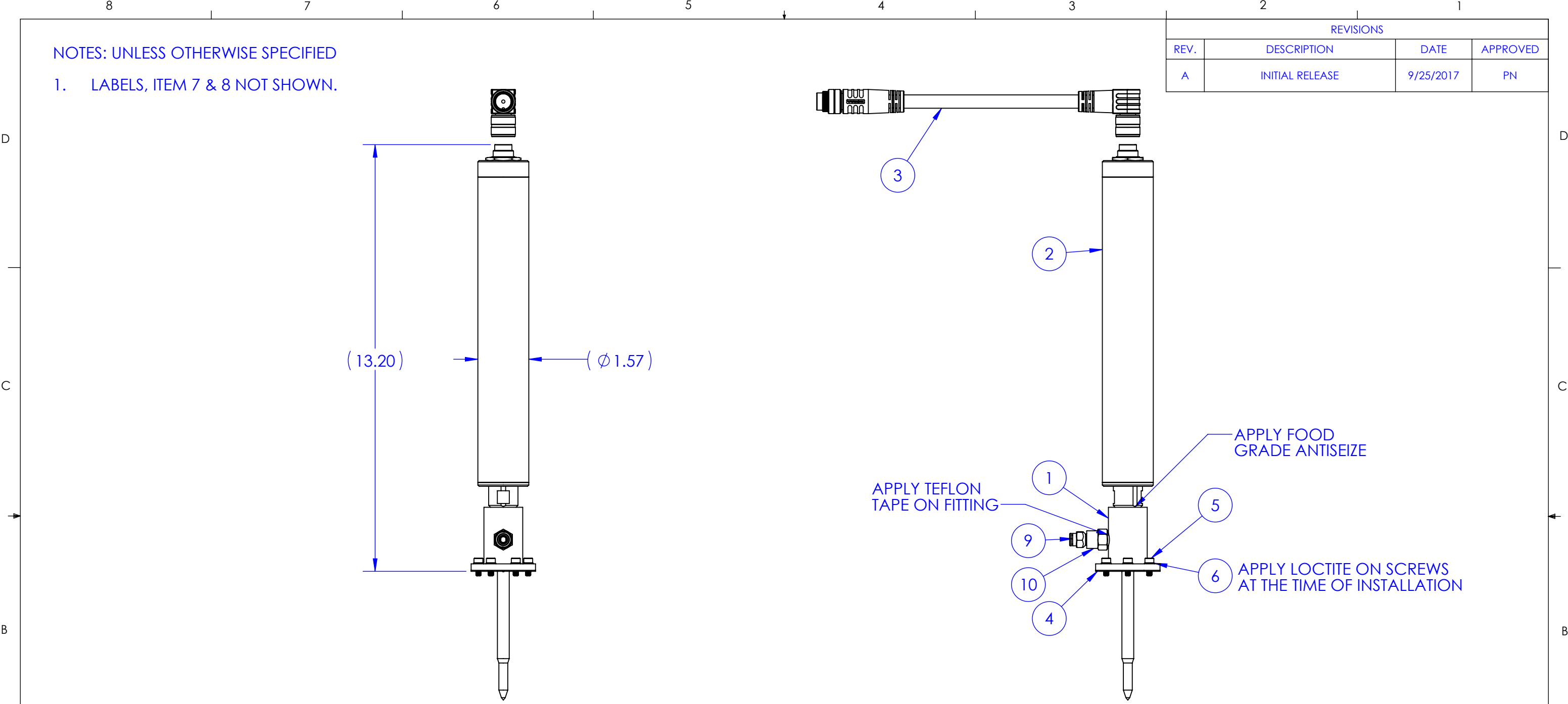
1. ADD TEFLON TAPE AND SWAK TO FITTINGS.



ITEM NO.	DESCRIPTION	QTY.	U/M	PART NUMBER
1	HEATER, 24VDC, 60W, TS	1	EA	35098.902.01
2	ENCL, ALUM, 1.18X2.54X4.72 BLU	1	EA	35096.401.21
3	ENCL, FLANGE 1.57 BLU	2	EA	35096.401.41
4	ALUMINUM BLOCK MACHINED	1	EA	35098.801.02
5	INSULATION HITEMP CERAMIC	1	EA	35098.901.03
6	FITTING, MALE ELBOW, 1/8UNI, 6MM	2	EA	35098.106.02
7	1/8" NPT PLUG	1	EA	1423
8	PC-BOARD, THERMAL PURGE	1	EA	351000.002
9	SCREW - METRIC, M2X0.4X6	2	EA	35052.25
10	SCREW, BH, M4 X 0.7 X 10	2	EA	35053.04
11	WASHER - METRIC, M4	2	EA	35065.02

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	9/28/2017	PN
B	UPDATED BOM, ADDED NOTE, ECR 20150108	4/12/2018	PN

MATERIAL	UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5M-CURRENT			 CHART INDUSTRIES 161 BAYPOINTE PKWY., SAN JOSE, CA 95134 MAIN: (408) 571-3303 FAX: (408) 577-1567 WWW.CHARTINDUSTRIES.COM	
FINISH	DIMENSIONS ARE IN INCHES TOLERANCES: DECIMALS HOSE .X ± .1 ± 1/8 PER FT .XX ± .01 .XXX ± .005 .XXXX ± .0005 X° ± .5°			TITLE: THERMOPURGE ASSEMBLY	
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF CHART IND. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF CHART IND. IS PROHIBITED.	 				
	DRAWN		SIZE B	DWG. NO. 35052	REV B
	DO NOT SCALE DRAWING	CHECKED		REF:	SCALE: NTS

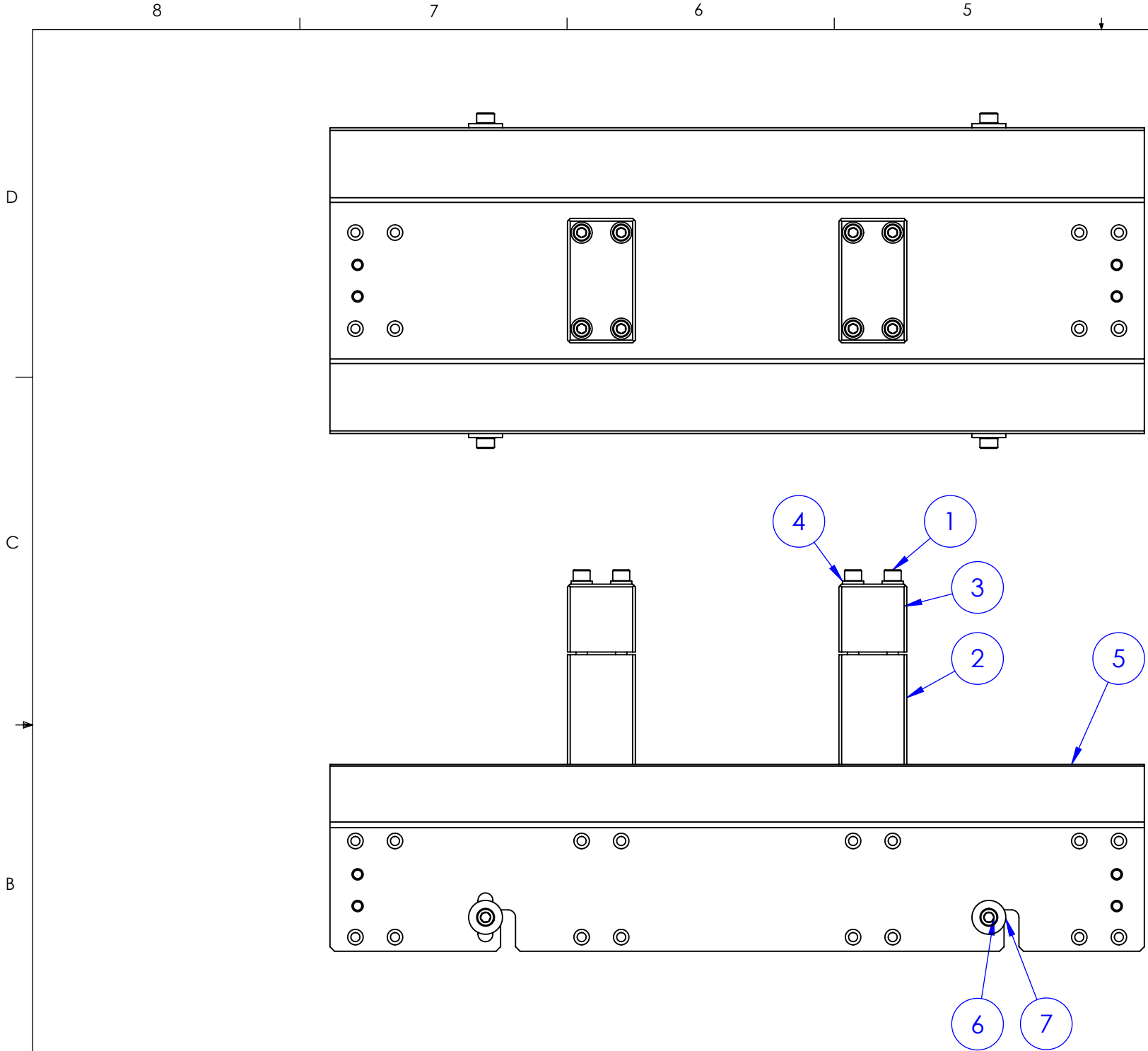


NOTES: UNLESS OTHERWISE SPECIFIED
1. LABELS, ITEM 7 & 8 NOT SHOWN.

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	9/25/2017	PN

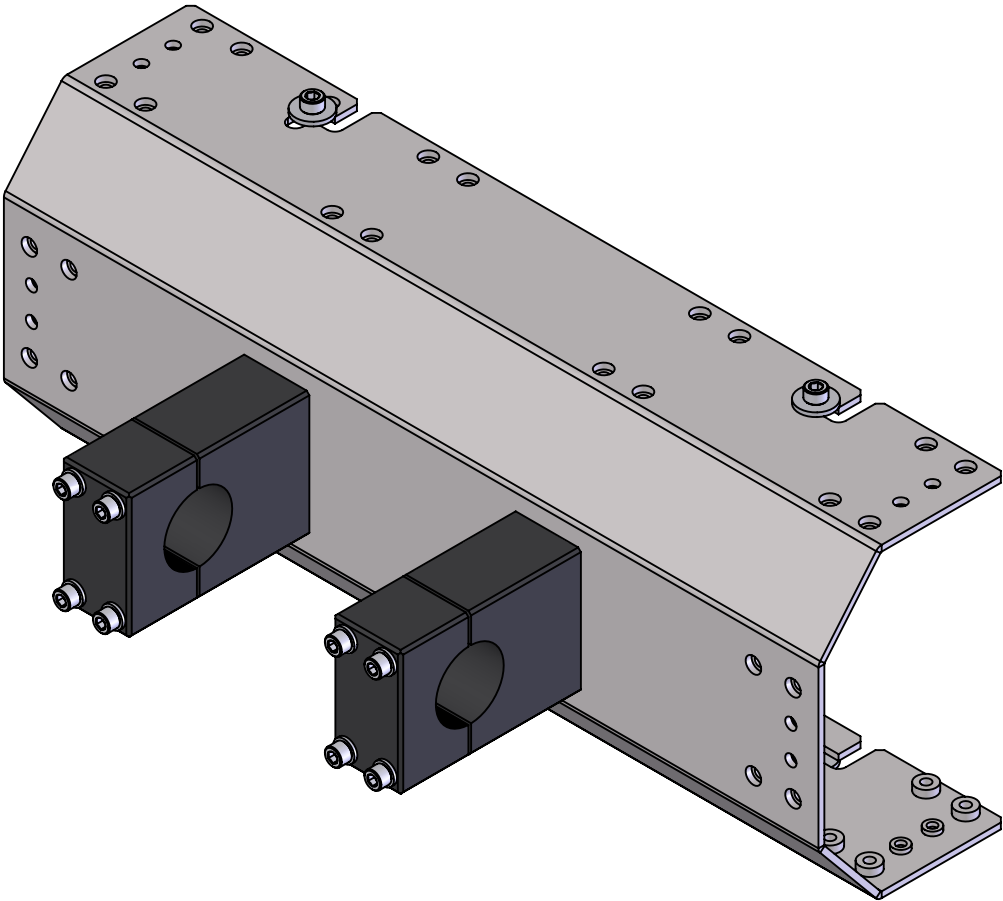
ITEM NO.	DESCRIPTION	QTY.	U/M	PART NUMBER
1	ADAPTER WITH PURGE, CDFLEX	1	EA	35053.01
2	EDS SUB ASSY, CDF	1	EA	9660
3	CABLE, EDS M16/M12, 1.5M	1	EA	2840.901.01
4	GASKET, DOSING HEAD	1	EA	1011.70
5	SHCS, M4 X 0.7 X 10	6	EA	35053.05
6	WASHER, BHSC, DOSING HEAD	6	EA	1426
7	CAUTION LABEL	1	EA	269
8	LOW TEMP LABEL	1	EA	267
9	FITTING, MALE CONN 1/8-UNI 6MM	1	EA	35098.105.02
10	CHECK VALVE, 1/8 NPT X 1/4 UNI	1	EA	350010.0000.0001

MATERIAL	UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5M-CURRENT			 CHART INDUSTRIES 161 BAYPOINTE PKWY., SAN JOSE, CA 95134 MAIN: (408) 571-3303 FAX: (408) 577-1567 WWW.CHARTINDUSTRIES.COM		
FINISH	DIMENSIONS ARE IN INCHES TOLERANCES:			TITLE:		
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF CHART IND. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF CHART IND. IS PROHIBITED.	DECIMALS		HOSE		ACTUATOR ASSY - EDS CD FLEX	
	.X ± .1		± 1/8 PER FT			
	.XX ± .01					
	.XXX ± .005					
	.XXXX ± .0005					
X° ± .5°				SIZE B	DWG. NO. 35053	
DRAWN					REV A	
DO NOT SCALE DRAWING	CHECKED			REF:	SCALE: NTS	SHEET 1 OF 1

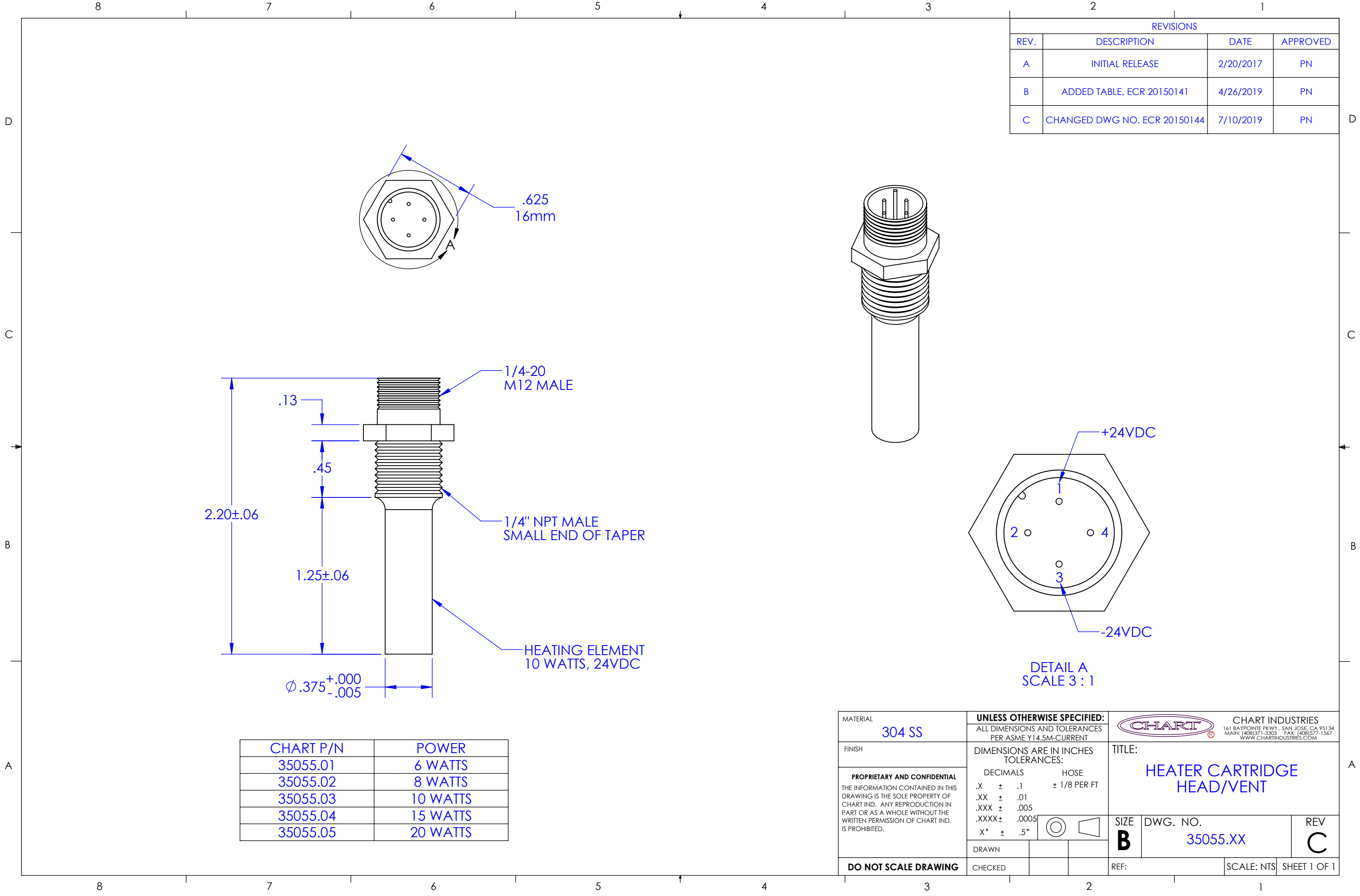


ITEM NO.	DESCRIPTION	QTY.	U/M	CHART PART NUMBER
1	BOLT, HEX HEAD, 1/4-20 X 4.5"	8	EA	385
2	CLAMP, PRIMARY	2	EA	360A
3	RESERVOIR CLAMP,SECONDARY	2	EA	361A
4	WASHER, 1/4" .255 ID X .468 OD	8	EA	246
5	BRACKET BENDMENT, CD FLEX	1	EA	35054.01
6	SHCS, M6 X 1 X 14	4	EA	35054.05
7	WASHER, .25 ID X .75 OD	4	EA	35054.06

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	9/6/2017	PN



MATERIAL	UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5M-CURRENT		 CHART INDUSTRIES 161 BAYPOINTE PKWY., SAN JOSE, CA 95134 MAIN: (408) 571-3303 FAX: (408) 577-1567 WWW.CHARTINDUSTRIES.COM	
FINISH	DIMENSIONS ARE IN INCHES TOLERANCES: DECIMALS HOSE .X ± .1 ± 1/8 PER FT .XX ± .01 .XXX ± .005 .XXXX ± .0005 X° ± .5°		TITLE: MOUNTING BRACKET ASSY CDFLEX	
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF CHART IND. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF CHART IND. IS PROHIBITED.	DRAWN		SIZE B	DWG. NO. 35054
	CHECKED		REF:	SCALE: NTS
DO NOT SCALE DRAWING		SHEET 1 OF 1		REV A



REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	2/20/2017	PN
B	ADDED TABLE, ECR 20150141	4/26/2019	PN
C	CHANGED DWG NO. ECR 20150144	7/10/2019	PN

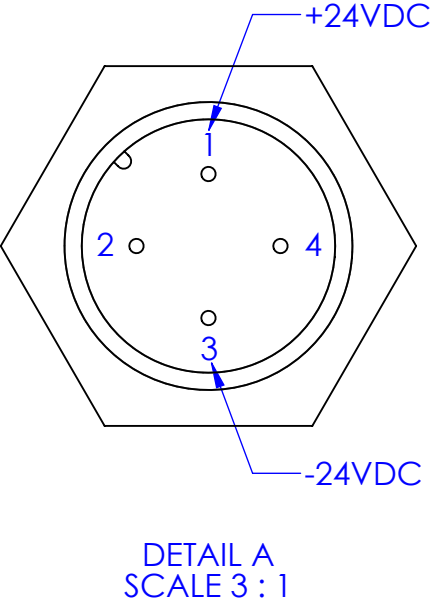
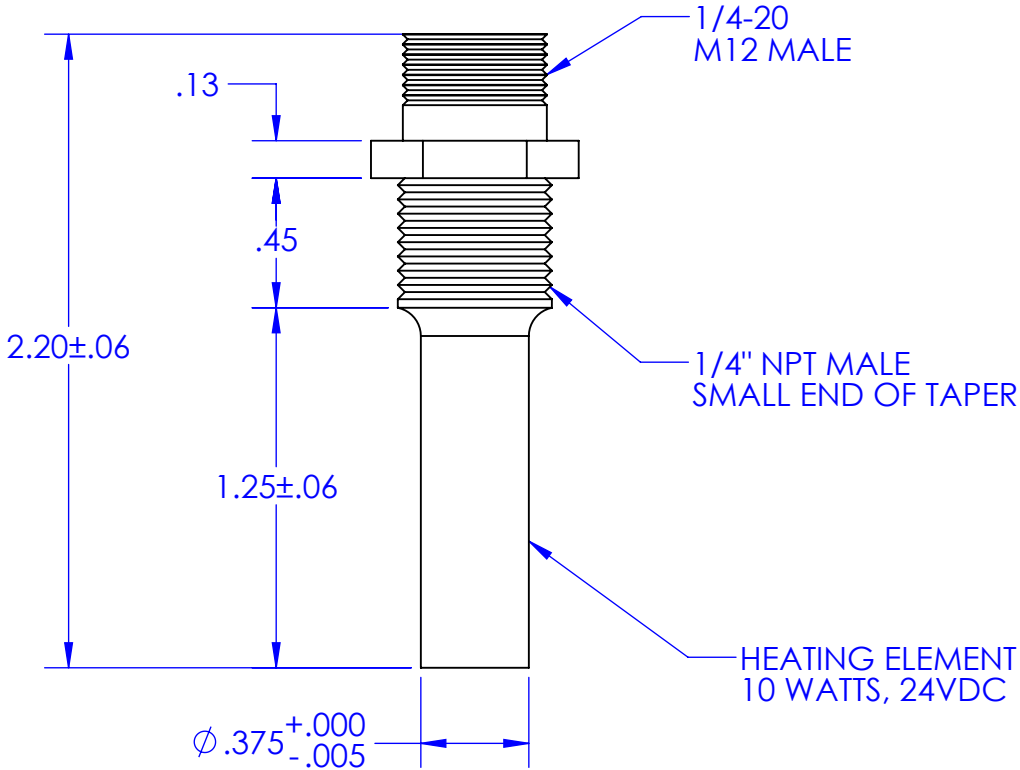
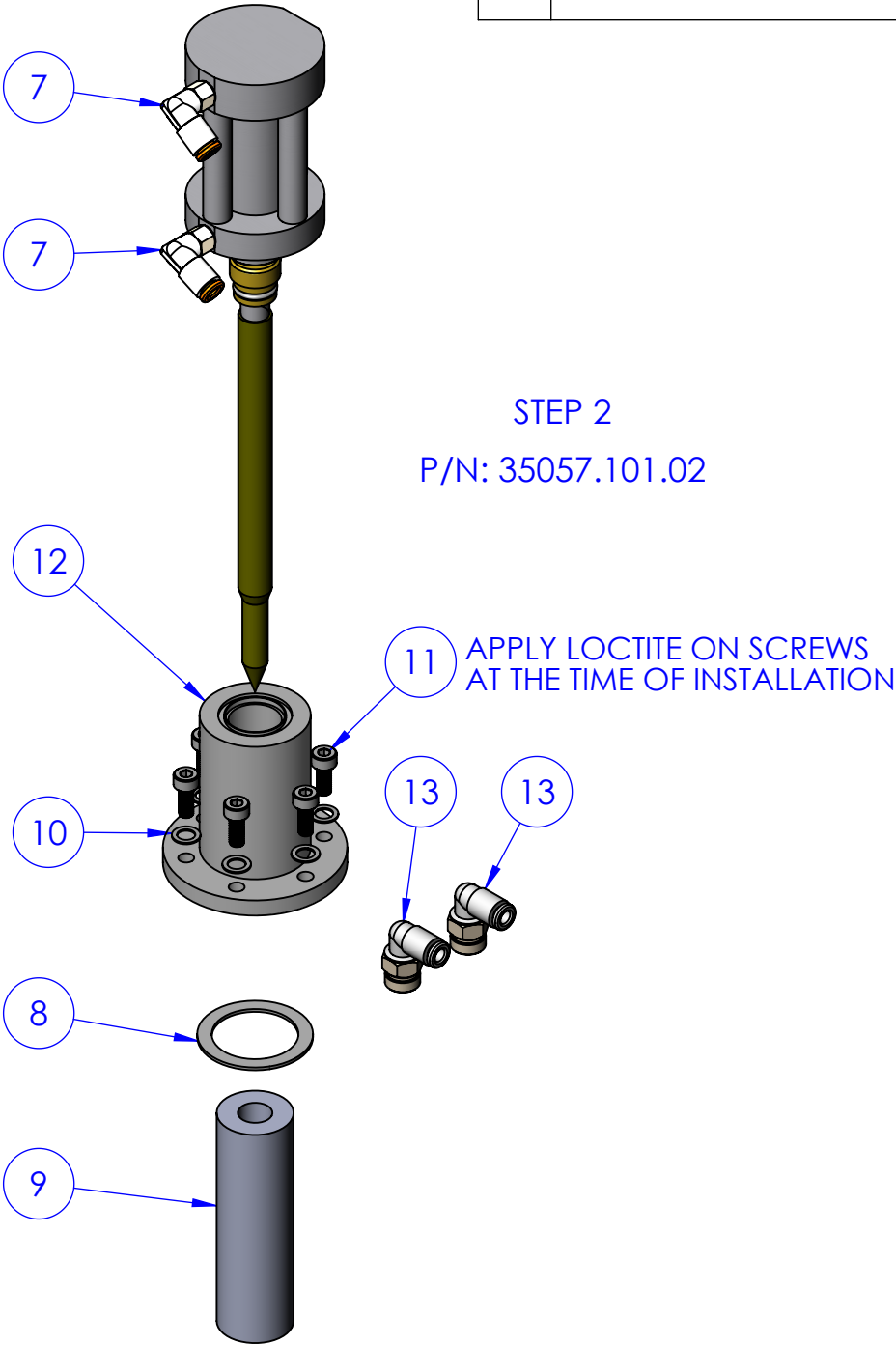
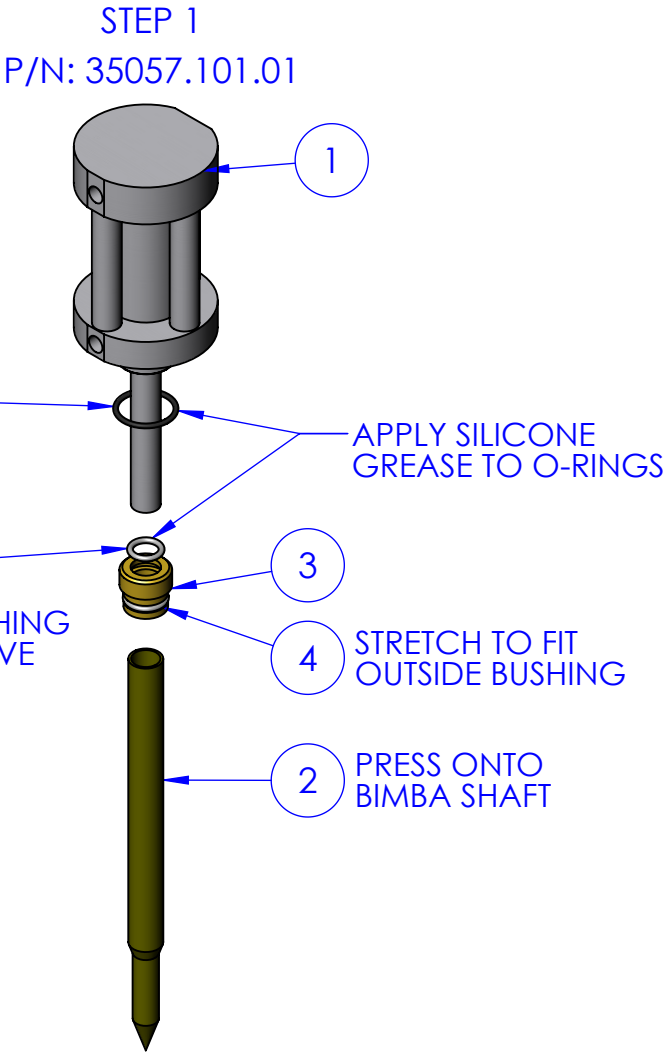
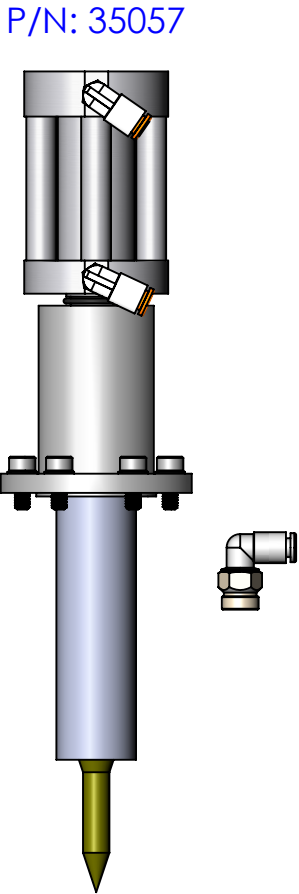


CHART P/N	POWER
35055.01	6 WATTS
35055.02	8 WATTS
35055.03	10 WATTS
35055.04	15 WATTS
35055.05	20 WATTS

MATERIAL	UNLESS OTHERWISE SPECIFIED:			 CHART INDUSTRIES 161 BAYPOINTE PKWY., SAN JOSE, CA 95134 MAIN: (408) 371-3303 FAX: (408) 577-1567 WWW.CHARTINDUSTRIES.COM		
304 SS	ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5M-CURRENT			TITLE: HEATER CARTRIDGE HEAD/VENT		
FINISH	DIMENSIONS ARE IN INCHES TOLERANCES:					
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF CHART IND. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF CHART IND. IS PROHIBITED.	DECIMALS	HOSE				
	.X ± .1	± 1/8 PER FT				
	.XX ± .01					
	.XXX ± .005					
	.XXXX ± .0005			SIZE B	DWG. NO. 35055.XX	REV C
	X° ± .5°					
DRAWN						
DO NOT SCALE DRAWING	CHECKED			REF:	SCALE: NTS	SHEET 1 OF 1

NOTES: UNLESS OTHERWISE SPECIFIED

1. ITEM 13 MOUNTS ON DOSER BODY LIQUID LEVEL PORTS.

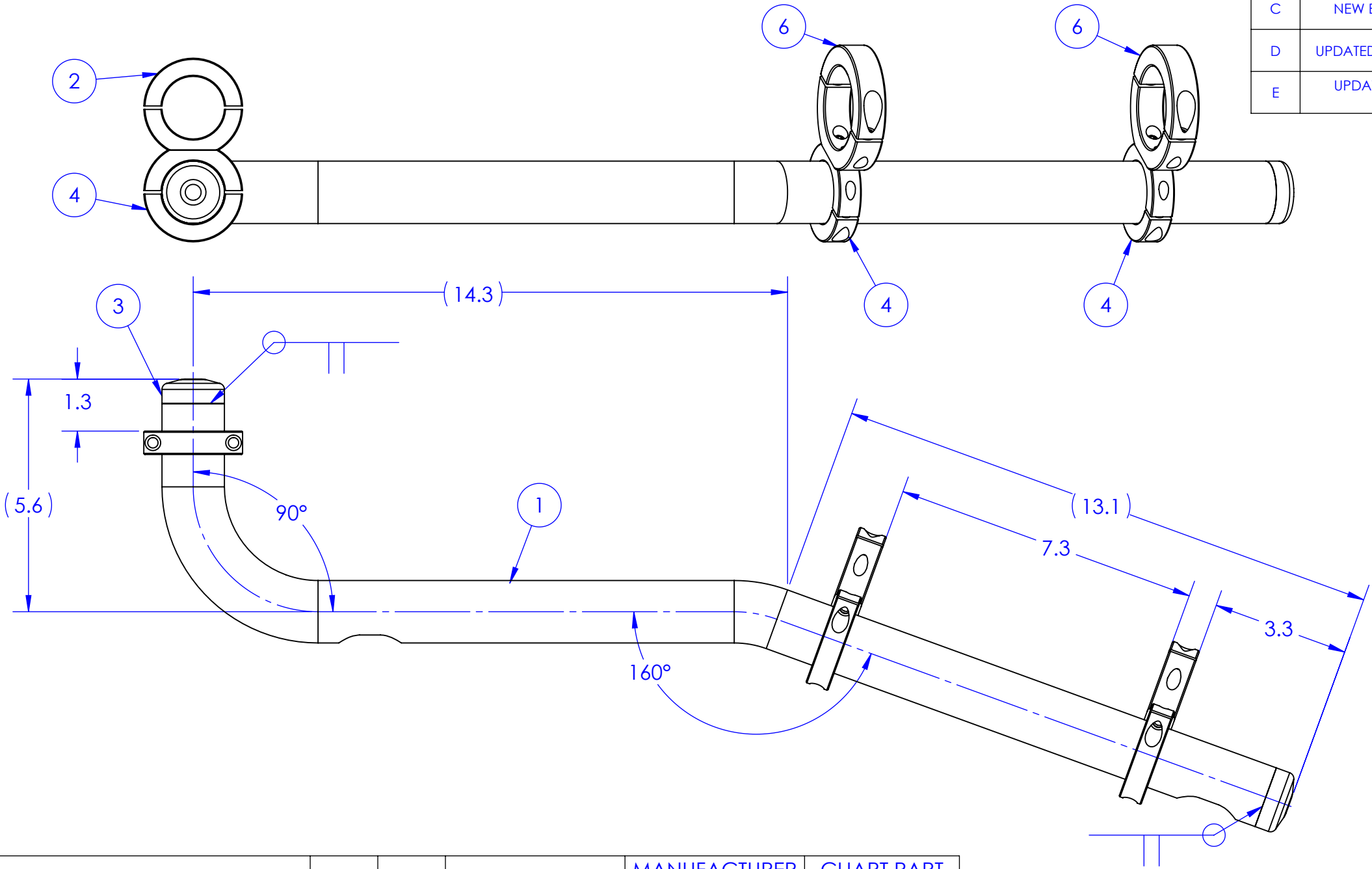


ITEM NO.	DESCRIPTION	QTY.	U/M	CHART PART NUMBER
1	PNEUMATIC ACTUATOR	1	EA	157
2	Dosing Stem	1	EA	266
3	Stem Shaft Bearing Seal	1	EA	218A
4	O-Ring, 011 Viton	1	EA	201
5	O-Ring, 011 Viton	1	EA	201
6	O-RING SIZE 111 SILCONE	1	EA	275
7	FITTING, MALE ELBOW, 10-32, 5/32	2	EA	35098.104.52
8	GASKET, PTFE	1	EA	35053.03
9	BUSHING, INLET, TEFLON	1	EA	35057.01
10	WASHER, BHSC, DOSING HEAD	6	EA	1426
11	SHCS, M4 X 0.7 X 10	6	EA	35053.05
12	Pneumatic Adaptor	1	EA	1414
13	FITTING, MALE ELBOW, 1/8-UNI 4MM	2	EA	35098.106.01

MATERIAL	UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5M-CURRENT		CHART INDUSTRIES 161 BAYPOINTE PKWY., SAN JOSE, CA 95134 MAIN: (408) 371-3303 FAX: (408) 577-1567 WWW.CHARTINDUSTRIES.COM	
FINISH	DIMENSIONS ARE IN INCHES TOLERANCES:		TITLE: INLET SUB ASSY CDFLEX	
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF CHART IND. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF CHART IND. IS PROHIBITED.	DECIMALS	HOSE	SIZE	
	.X ± .1	± 1/8 PER FT	DWG. NO.	
	.XX ± .01		35057	
	.XXX ± .005		REV	
	.XXXX ± .0005		A	
	X° ± .5°		SCALE: NTS	
DO NOT SCALE DRAWING		REF:	SHEET 1 OF 1	

- NOTES:
1. BREAK AND DEBURR ALL SHARP EDGES.
 2. ITEM 5 NOT SHOWN.
 3. ITEMS 2, 4, 6 PLACED AT APPRXO LOCATION.

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	10/17/2016	PN
B	ADDED DIMS	10/20/2016	PN
C	NEW BENDS, ECR 20150039	11/15/2016	PN
D	UPDATED MODEL, ECR 20150039	2/7/2017	PN
E	UPDATED BOM ITEM 1, ECR 20150083	9/19/2017	PN



ITEM NO.	DESCRIPTION	QTY.	U/M	MANUFACTURER	MANUFACTURER PART NUMBER	CHART PART NUMBER
1	TUBE, ARM SUPPORT, 1.5" OD X .065W	1	EA	OPTIONAL		35060.01
2	SHAFT COLLAR, 1.5" MOD	1	EA	OPTIONAL		35060.02
3	END CAP, 1.50 OD TUBE	2	EA	NORCAL	G-2W-150	35060.03
4	MODIFIED, 1 1/2" SHAFT COLLAR	3	EA	OPTIONAL		2450.05
5	SCREW - BHCS 10-32 X 7/16	6	EA	OPTIONAL		2450.11
6	MODIFIED, 2" SHAFT COLLAR, #10 C'BORE	2	EA	MCMaster	98164A46	2450.19

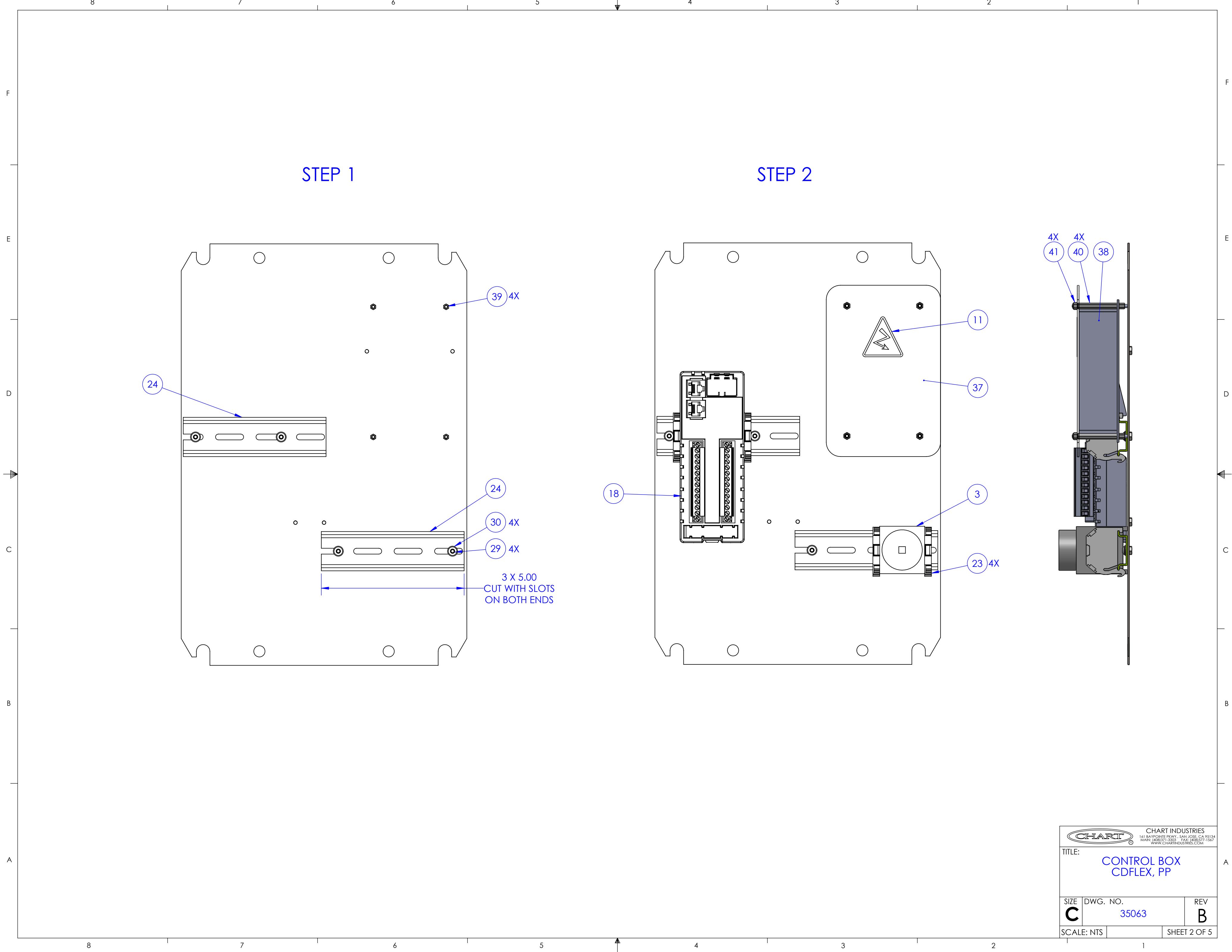
MATERIAL SEE BOM		UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5M-CURRENT		 CHART INDUSTRIES 161 BAYPOINTE PKWY., SAN JOSE, CA 95134 MAIN: (408) 577-1303 FAX: (408) 577-1567 WWW.CHARTINDUSTRIES.COM
FINISH		DIMENSIONS ARE IN INCHES TOLERANCES:		TITLE: ARM/CABLE SUPPORT LONG ARM, CDFLEX
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF CHART IND. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF CHART IND. IS PROHIBITED.		DECIMALS	HOSE	
		.X ± .1	± 1/8 PER FT	
		.XX ± .03		
		.XXX ± .015		
		.XXXX ± .0005		
		X° ± .5°		
				
		DRAWN		
		CHECKED		
DO NOT SCALE DRAWING		REF:	SCALE: NTS	SHEET 1 OF 1

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	10/10/2017	PN
B	UPDATED BOM, ECR 20150131	12/13/2018	PN

ITEM NO.	DESCRIPTION	QTY.	U/M	PART NUMBER
1	ENCLOSURE CDFLEX PP	1	EA	35063.005
2	OPERATOR, PUSH/PULL SW, BLUE	1	EA	35099.601
3	SWITCH - 240VAC ON/OFF	1	EA	2830.08
4	SWITCH ACTUATOR, WHT/BLK, 67MM	1	EA	21334997
5	SHAFT EXT	2.5	IN	2830.11
6	K50L LIGHT	1	EA	2830.14
7	RECEPTACLE - AC POWER	1	EA	2199
8	CABLE, ETH, RJ4(R)/M12(MC), 0.3M	1	EA	2840.127
9	CABLE, ETH, RJ45-R/RJ45-S, 0.7M	1	EA	2840.128.01
10	CORROSION INHIBITOR	1	EA	2314
11	HIGH VOLTAGE LABEL	2	EA	268
12	CHART SERIAL #	1	EA	356
13	CONNECTOR, DUST CAP	1	EA	2840.700.01
14	CONNECTOR, USB BULKHEAD	1	EA	2840.701.01
15	CONNECTOR, 1-1/8 DUST CAP	1	EA	2840.400.01
16	CONNECTOR, 1-1/8 RECPT, 12F	1	EA	2840.401.01
17	CONNECTOR, FIELD 12M	1	EA	2840.402.01
18	I/O BLOCK, DIGITAL 16 IN/OUT	1	EA	35099.204.02
19	CABLE, POWER DISTRIBUTION	1	EA	2840.904.01
20	CABLE, ETH, RJ4/M12(MC), 0.7M	1	EA	2840.129.01
21	HMI, 7 IN DISPLAY	1	EA	35099.102.01
22	CONDUIT LOCKNUT, 1/2" ZINC DIE	1	EA	272
23	TERMINAL BLOCK - END STOP	4	EA	2820.14
24	DIN RAIL, 35X7X250MM	A/R	IN	2810.06
25	MOUNTING PLATE, ENCLOSURE	2	EA	35063.01
26	SCREW - PH, M4 X 0.7MM X 20MML	2	EA	35063.02
27	NUT - HEX, M6, 18-8 SS	3	EA	35063.03
28	WASHER - M6, 18-8 SS	2	EA	35063.09
29	SCREW - METRIC, M4 X 6MML	4	EA	35065.01
30	WASHER - METRIC, M4	4	EA	35065.02
31	SCREW - METRIC, M8 X 12MML	4	EA	35065.03
32	LABEL, CHART LOGO	1	EA	359
33	RING TERM - 18-22 AWG, 1/4"	1	EA	264
34	CABLE TIE HOLDER	2	EA	709
35	WIRE TIE	20	EA	2820.31
36	1/4" HEAT SHRINK TUBING	6	IN	7180
37	POWER SUPPLY COVER 5X3	1	EA	21353709
38	POWER SUPPLY, 400W	1	EA	21353697
39	STANDOFF ALUM M/F M3 X 5MM	4	EA	21355313
40	STANDOFF ALUM M/F M3 X 35MM	4	EA	21355319
41	NUT LOCK M3	4	EA	21355321
42	CONN HOUSING 3P	1	EA	21355722
43	CONN TERMINAL 18-22 AWG	2	EA	21355730



MATERIAL	UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5M-CURRENT		CHART INDUSTRIES 161 BAYPOINTE PKWY., SAN JOSE, CA 95134 NABV: 14081571-13003 FAX: 4081571-13007 WWW.CHARTINDUSTRIES.COM	
FINISH	DIMENSIONS ARE IN INCHES TOLERANCES:		TITLE: CONTROL BOX CDFLEX, PP	
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF CHART IND. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF CHART IND. IS PROHIBITED.	DECIMALS	HOSE	SIZE C	
	.X ± .1	± 1/8 PER FT.		
	.XX ± .03		DWG. NO. 35063	
	.XXX ± .015			
	.XXXX ± N/A		REF:	
	X* ± .5*			
DO NOT SCALE DRAWING	DRAWN	XXX	XXX	SHEET 1 OF 5
	CHECKED	XXX	XXX	



STEP 1

STEP 2



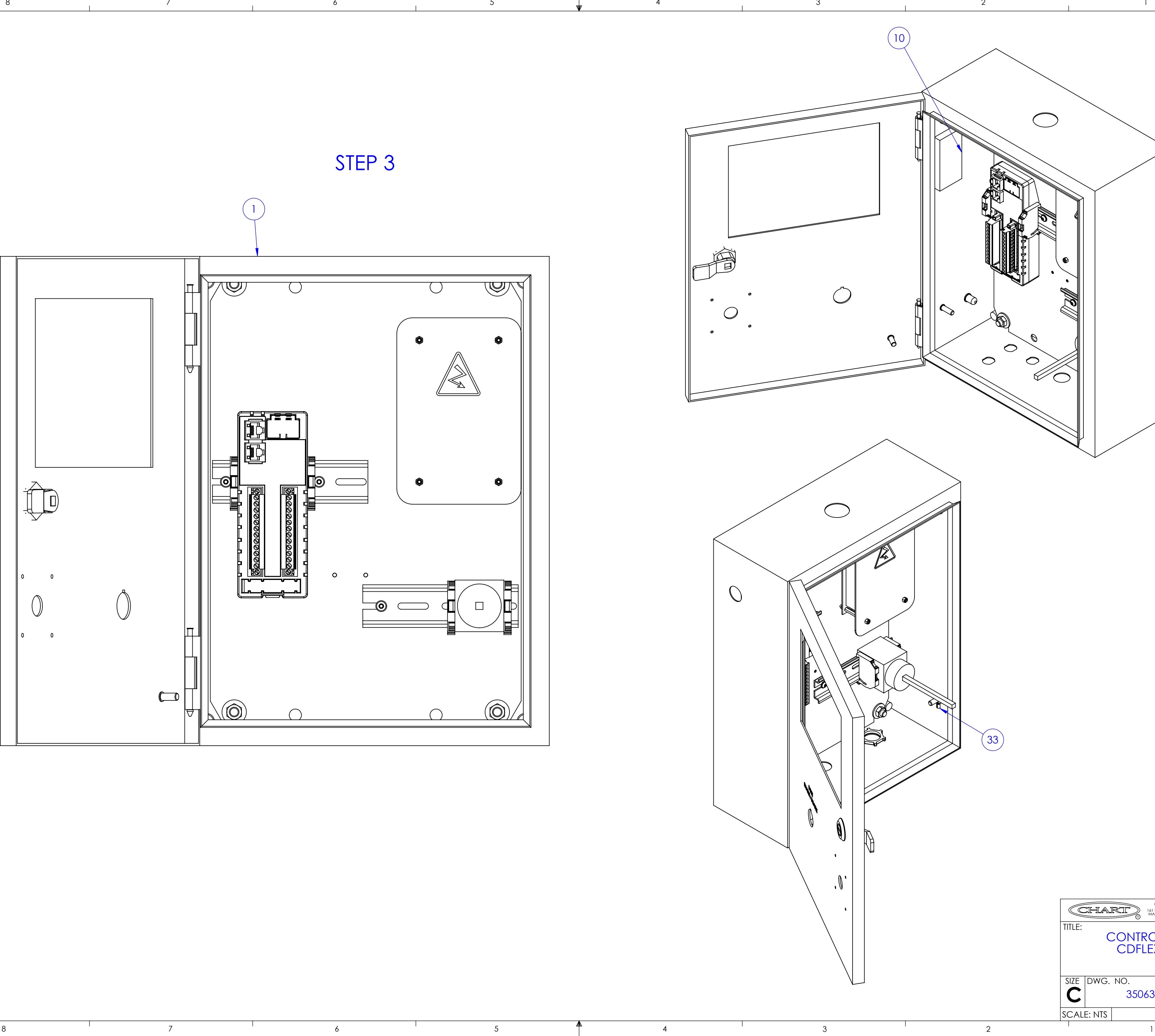
CHART INDUSTRIES
161 BAYPOINTE PKWY., SAN JOSE, CA 95134
NABN: 1408371-3303 FAX: 1408371-1567
WWW.CHARTINDUSTRIES.COM

TITLE:

CONTROL BOX
CDFLEX, PP

SIZE C	DWG. NO. 35063	REV B
SCALE: NTS		SHEET 2 OF 5

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STEP 3

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CHART INDUSTRIES 161 BAYPOINTE PKWY., SAN JOSE, CA 95134 PHONE: 408/571-3303 FAX: 408/571-1567 WWW.CHARTINDUSTRIES.COM		
TITLE: CONTROL BOX CDFLEX, PP		
SIZE C	DWG. NO. 35063	REV B
SCALE: NTS		SHEET 3 OF 5

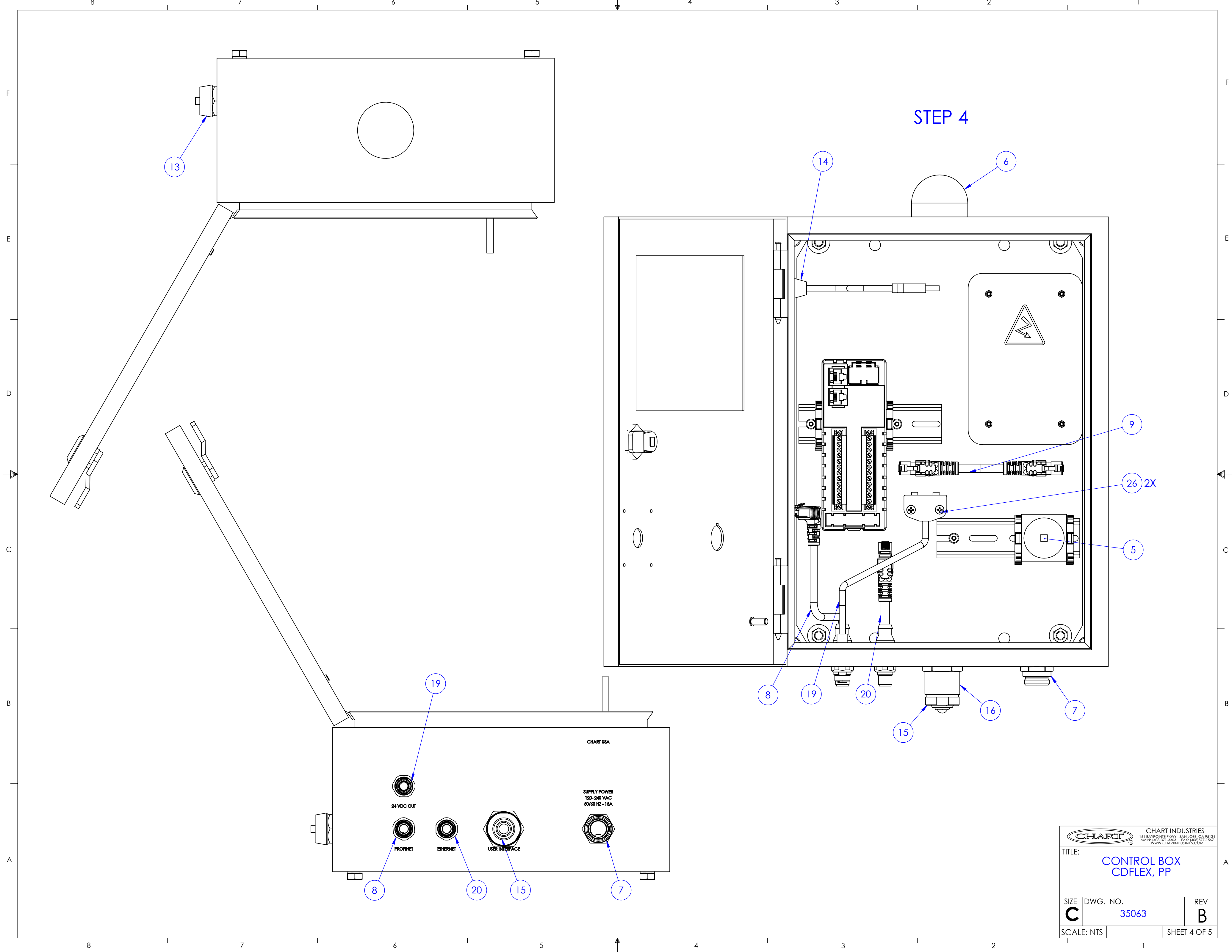
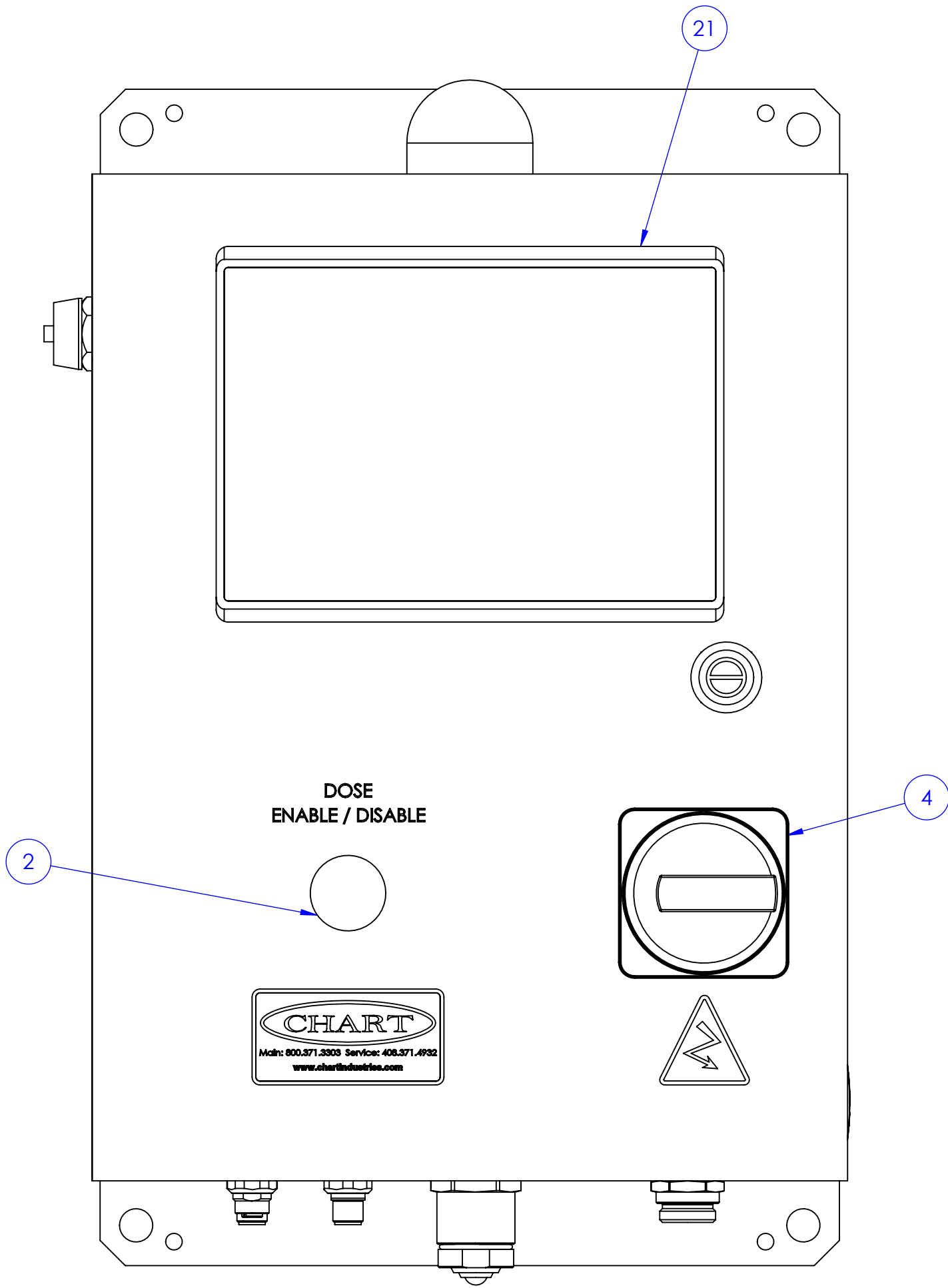


		CHART INDUSTRIES 161 BAYPOINTE PKWY., SAN JOSE, CA 95134 MAIN: (408) 371-3303 FAX: (408) 577-1567 WWW.CHARTINDUSTRIES.COM	
TITLE: CONTROL BOX CDFLEX, PP			
SIZE C	DWG. NO. 35063		REV B
SCALE: NTS		SHEET 4 OF 5	

STEP 5



STEP 6

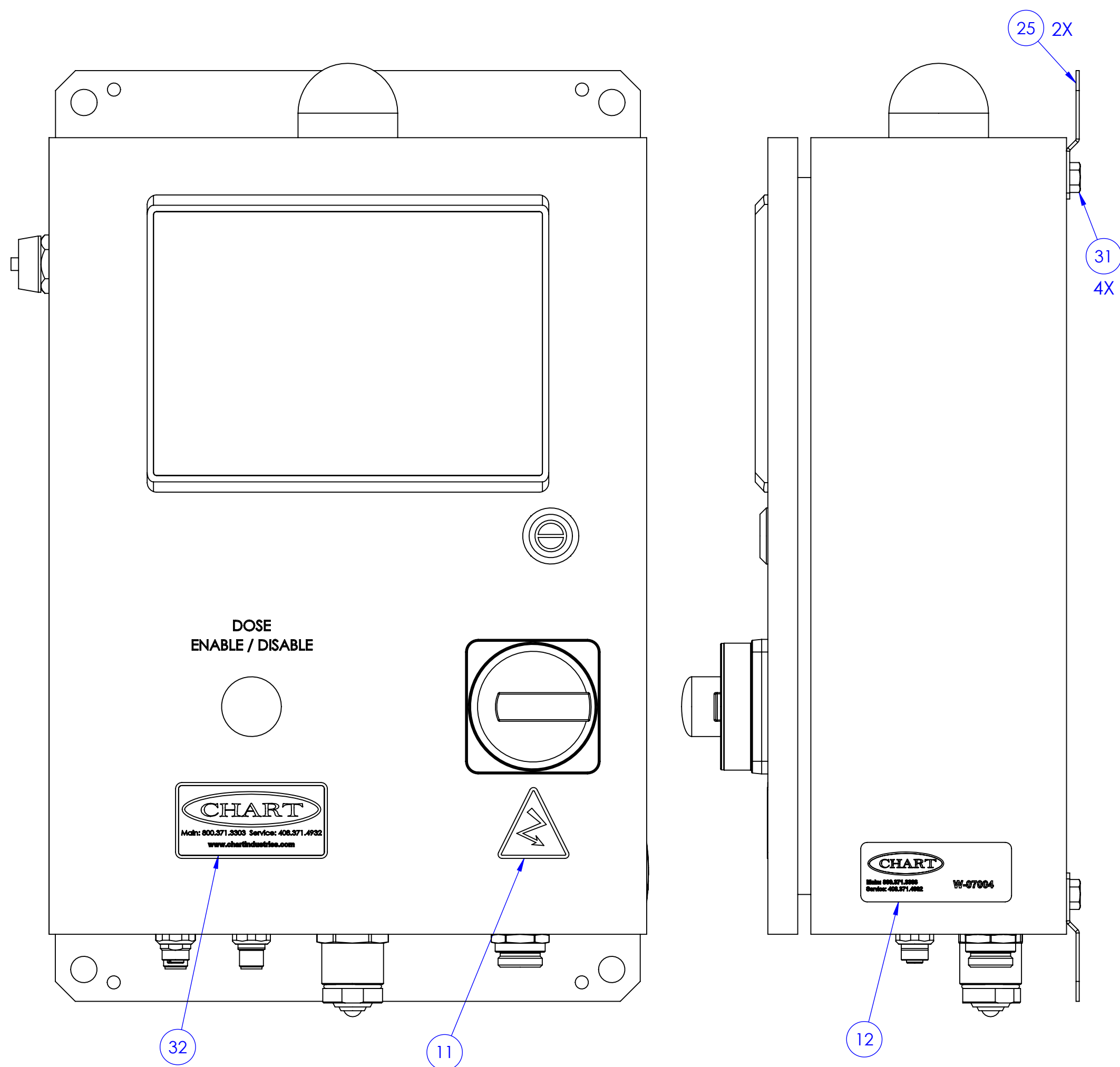
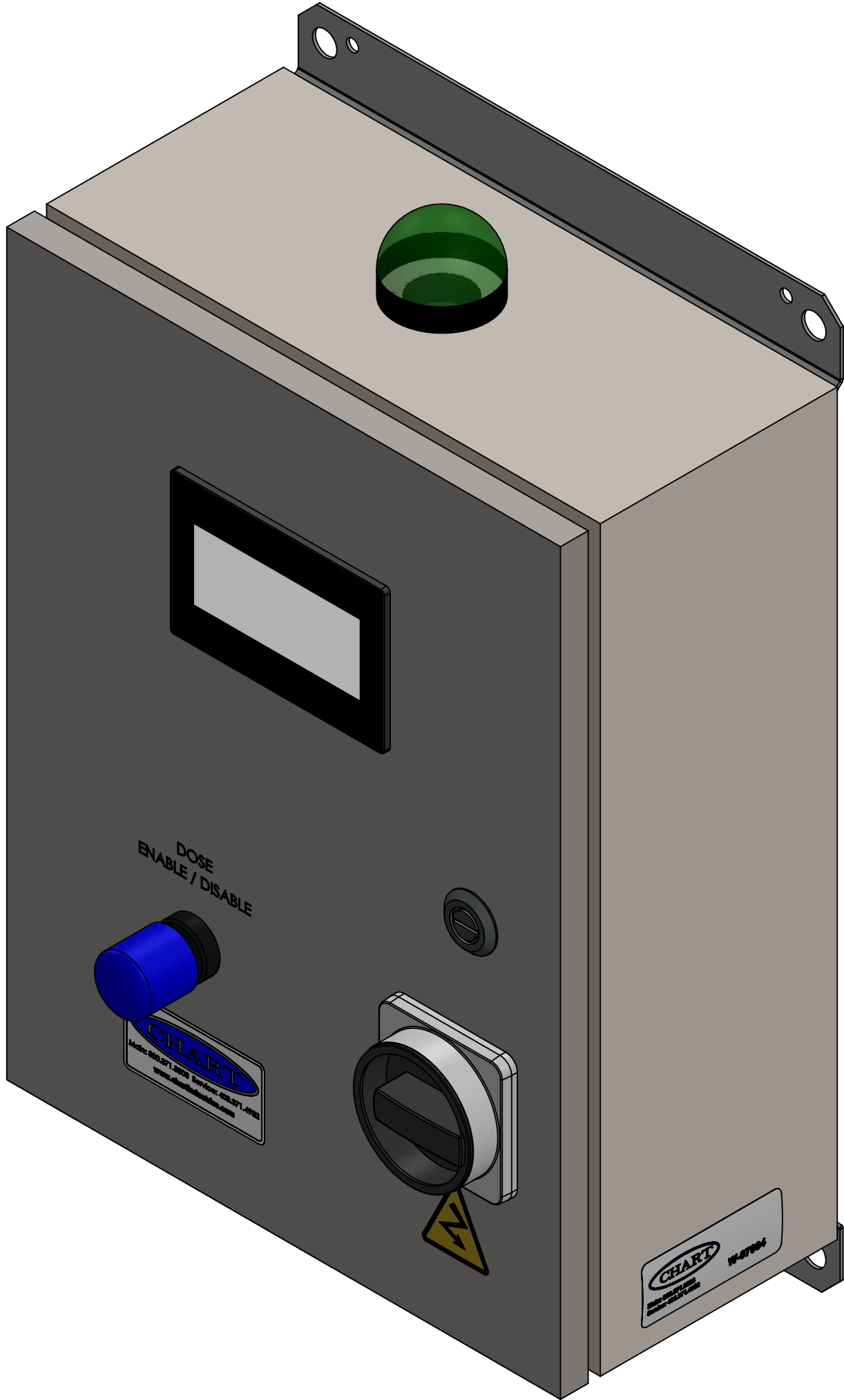


		CHART INDUSTRIES 161 BAYPOINTE PKWY., SAN JOSE, CA 95134 MAIN: 408.371.3303 FAX: 408.577.1567 WWW.CHARTINDUSTRIES.COM	
TITLE: CONTROL BOX CDFLEX, PP			
SIZE C	DWG. NO. 35063	REV B	
SCALE: NTS		SHEET 5 OF 5	

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	10/10/2017	PN
B	UPDATED BOM, ECR 20150131	12/14/2018	PN

ITEM NO.	DESCRIPTION	QTY.	U/M	PART NUMBER
1	ENCLOSURE, CONTROL BOX , CC	1	EA	35065.005
2	CONTROLLER, PLC, FT1A, 24VDC	1	EA	2600.211
3	SWITCH - 240VAC ON/OFF	1	EA	2830.08
4	SWITCH ACTUATOR, WHT/BLK, 67MM	1	EA	21334997
5	SHAFT EXT	2.5	IN	2830.11
6	OPERATOR, PUSH/PULL SW, BLUE	1	EA	35099.601
7	K50L LIGHT	1	EA	2830.14
8	RECEPTACLE - AC POWER	1	EA	2199
9	CONNECTOR, USB BULKHEAD	1	EA	2840.701.01
10	CONNECTOR, DUST CAP	1	EA	2840.700.01
11	DIN RAIL, 35X7X250MM	A/R	IN	2810.06
12	CORROSION INHIBITOR	1	EA	2314
13	HIGH VOLTAGE LABEL	2	EA	268
14	CHART SERIAL #	1	EA	356
15	CABLE, POWER DISTRIBUTION	1	EA	2840.904.01
16	CABLE, ETH, RJ4/M12(MC), 0.7M	1	EA	2840.129.01
17	MOUNTING PLATE, ENCLOSURE	2	EA	35063.01
18	SCREW - PH, M4 X 0.7MM X 20MML	2	EA	35063.02
19	NUT - HEX, M6, 18-8 SS	3	EA	35063.03
20	WASHER - M6, 18-8 SS	2	EA	35063.09
21	SCREW - METRIC, M4 X 6MML	2	EA	35065.01
22	WASHER - METRIC, M4	2	EA	35065.02
23	SCREW - METRIC, M8 X 12MML	4	EA	35065.03
24	CONDUIT LOCKNUT, 1/2" ZINC DIE	1	EA	272
25	LABEL, CHART LOGO	1	EA	359
26	TERMINAL BLOCK - END STOP	2	EA	2820.14
27	KNOCKOUT PLUG	1	EA	2156
28	RING TERM - 18-22 AWG, 1/4"	1	EA	264
29	CABLE TIE HOLDER	6	EA	709
30	WIRE TIE	13	EA	2820.31
31	1/4" HEAT SHRINK TUBING	6	IN	7180
32	POWER SUPPLY COVER 5X3	1	EA	21353709
33	POWER SUPPLY, 400W	1	EA	21353697
34	STANDOFF ALUM M/F M3 X 5MM	4	EA	21355313
35	STANDOFF ALUM M/F M3 X 35MM	4	EA	21355319
36	NUT LOCK M3	4	EA	21355321
37	CONN HOUSING 3P	1	EA	21355722
38	CONN TERMINAL 18-22 AWG	2	EA	21355730

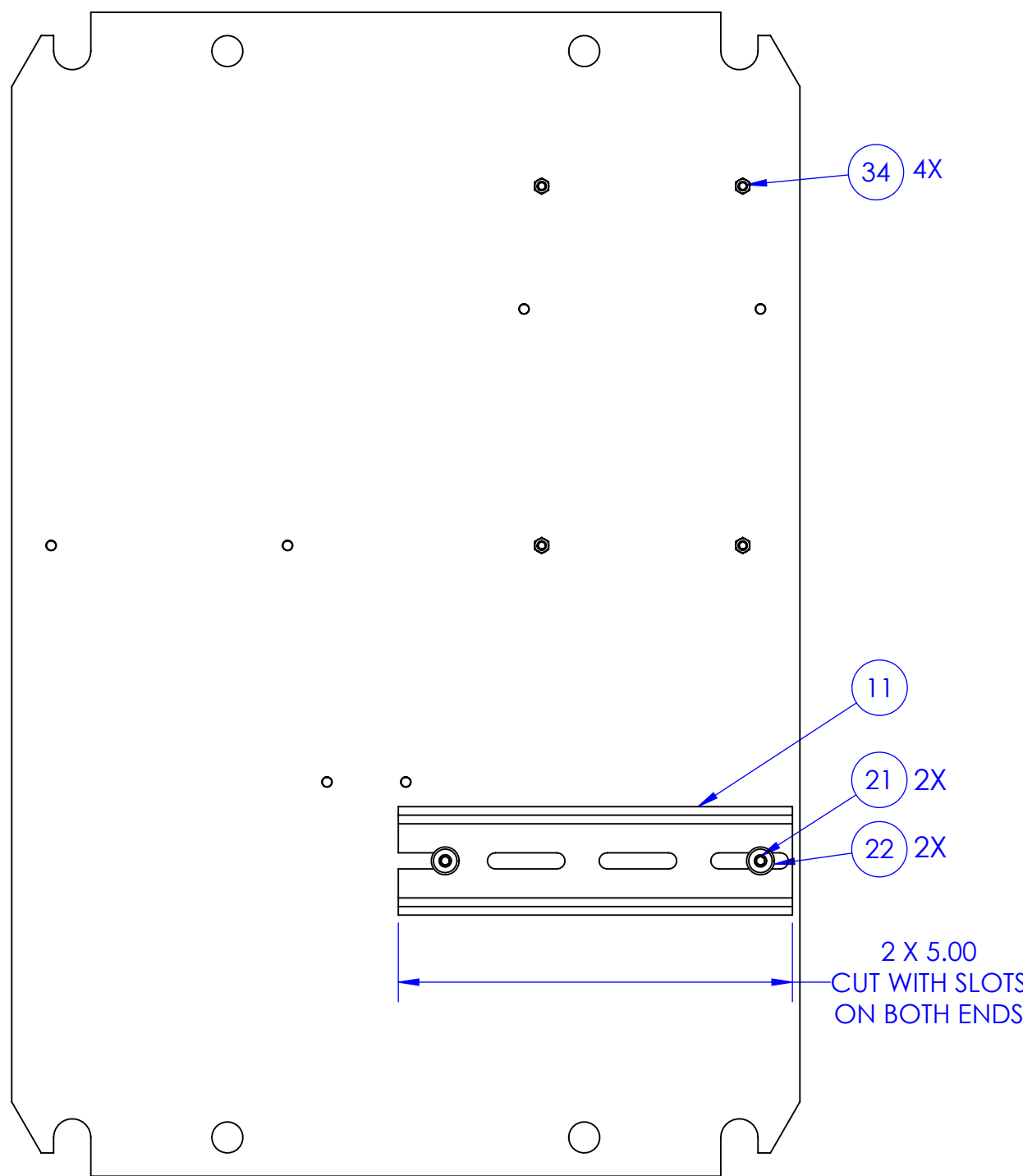


MATERIAL	UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5M-CURRENT			 CHART INDUSTRIES 161 BAYPOINTE PEWY, SAN JOSE, CA 95134 NABV: 1408371-3303 FAX: 408371-1567 WWW.CHARTINDUSTRIES.COM		
FINISH	DIMENSIONS ARE IN INCHES TOLERANCES:			TITLE: CONTROL BOX CDFLEX, CC		
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF CHART IND. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF CHART IND. IS PROHIBITED.	DECIMALS	HOSE		SIZE C	DWG. NO. 35065	REV B
	.X ± .1	± 1/8 PER FT.				
	.XX ± .03			REF:		
	.XXX ± .015					
	.XXXX ± N/A			SCALE: NTS		
	X* ± .5*					
DRAWN	XXX	XXX	SHEET 1 OF 5			
DO NOT SCALE DRAWING	CHECKED	XXX	XXX			

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STEP 1



STEP 2

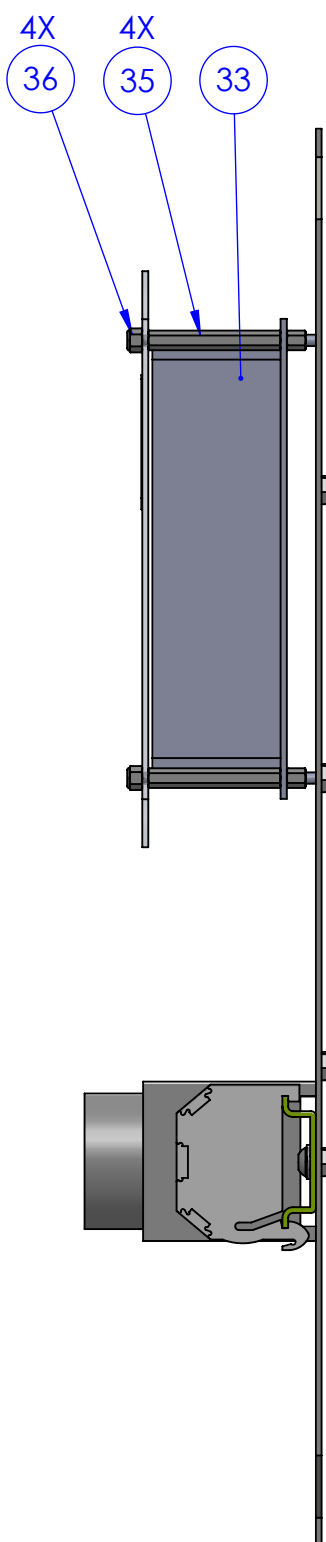
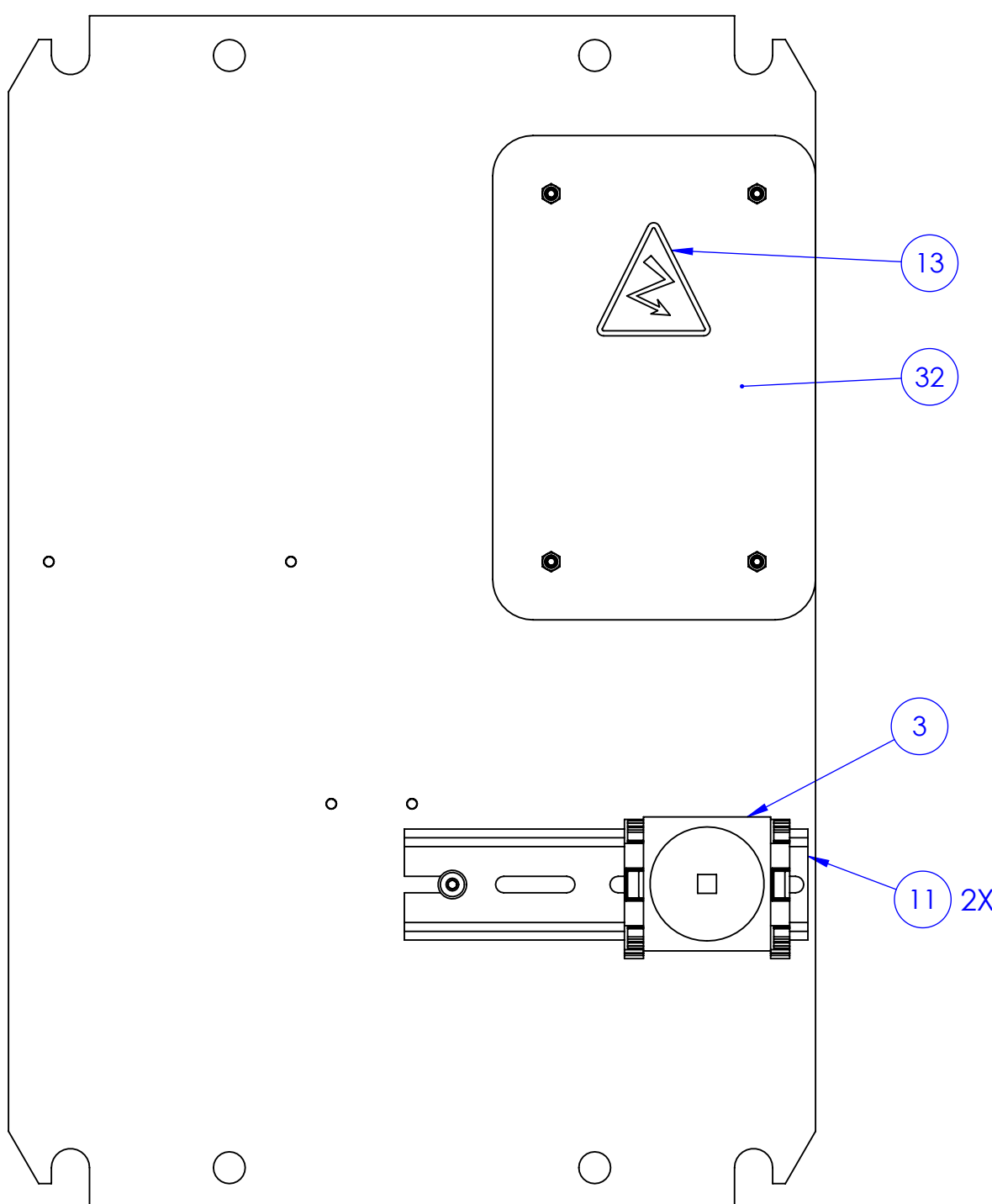
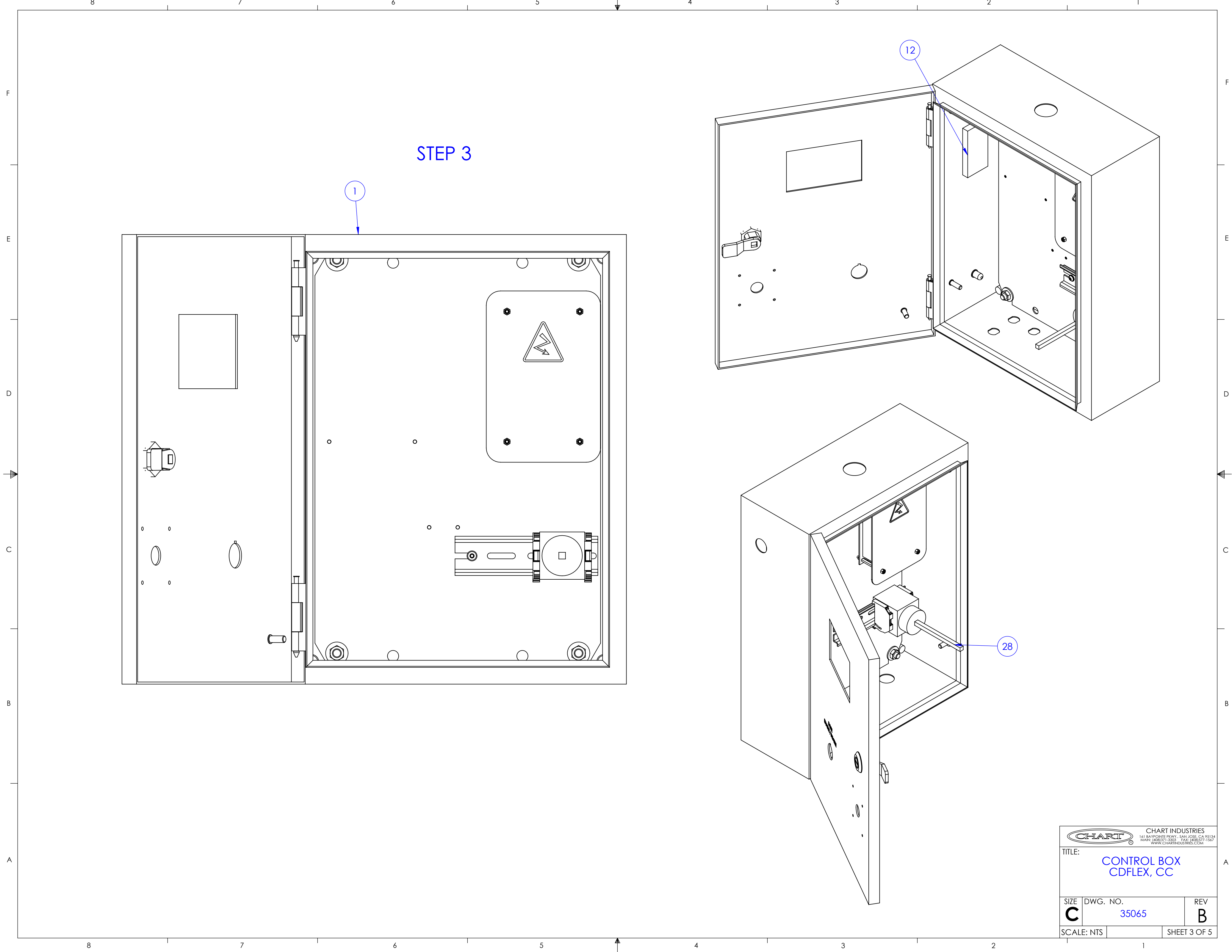


		CHART INDUSTRIES 161 BAYPOINTE PKWY., SAN JOSE, CA 95134 NABN: 1408371-3303 FAX: 1408371-1567 WWW.CHARTINDUSTRIES.COM	
TITLE: CONTROL BOX CDFLEX, CC			
SIZE C	DWG. NO. 35065		REV B
SCALE: NTS			SHEET 2 OF 5

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STEP 3

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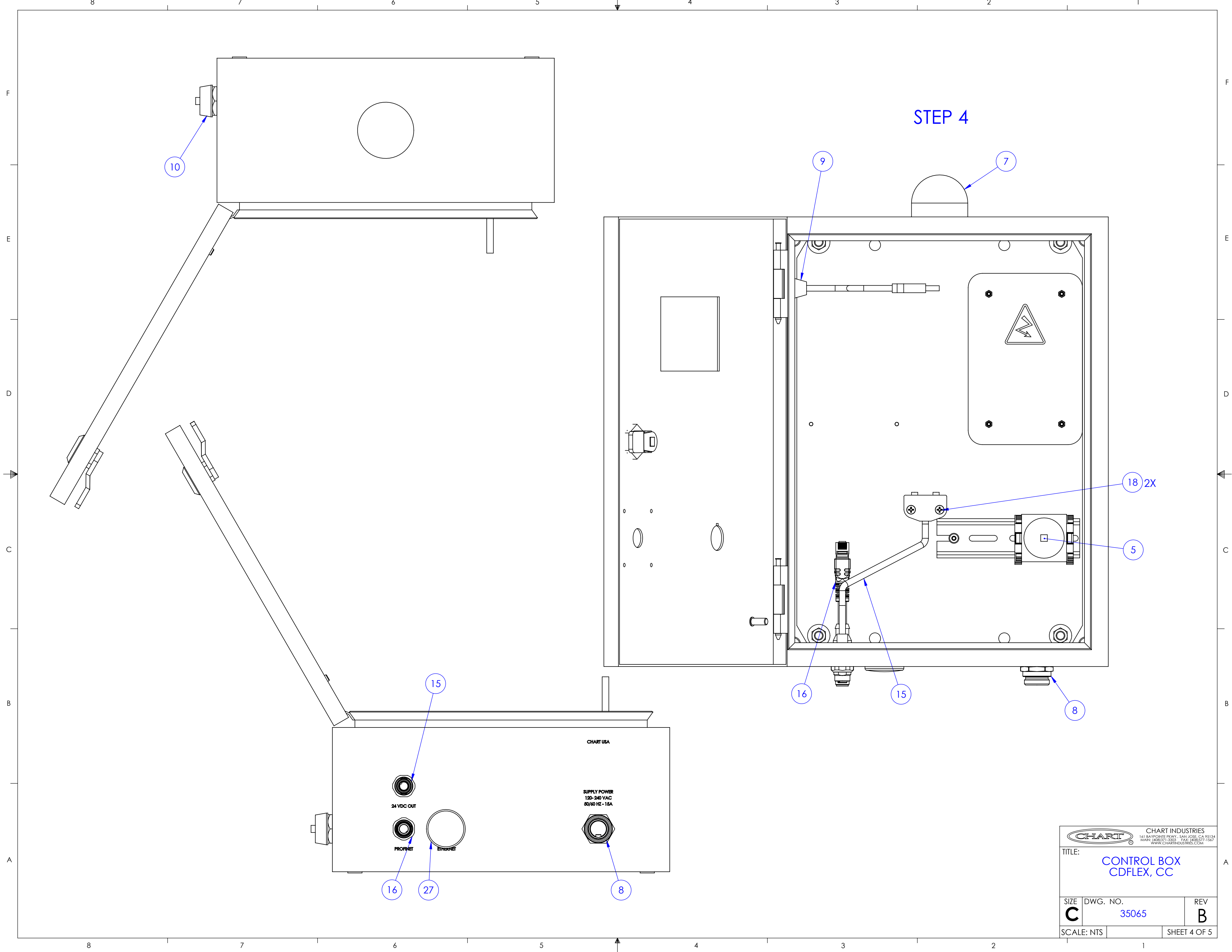


CHART INDUSTRIES
161 BAYPOINTE PKWY., SAN JOSE, CA 95134
NABN: 1408371-3303 FAX: 1408377-1567
WWW.CHARTINDUSTRIES.COM

TITLE:
**CONTROL BOX
CDFLEX, CC**

SIZE C	DWG. NO. 35065	REV B
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SCALE: NTS	SHEET 3 OF 5
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STEP 4



CHART INDUSTRIES
161 BAYPOINTE PKWY., SAN JOSE, CA 95134
NABN: 1408371-3303 FAX: 1408371-1567
WWW.CHARTINDUSTRIES.COM

TITLE:
**CONTROL BOX
CDFLEX, CC**

SIZE C	DWG. NO. 35065	REV B
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SCALE: NTS	SHEET 4 OF 5
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STEP 5

STEP 6

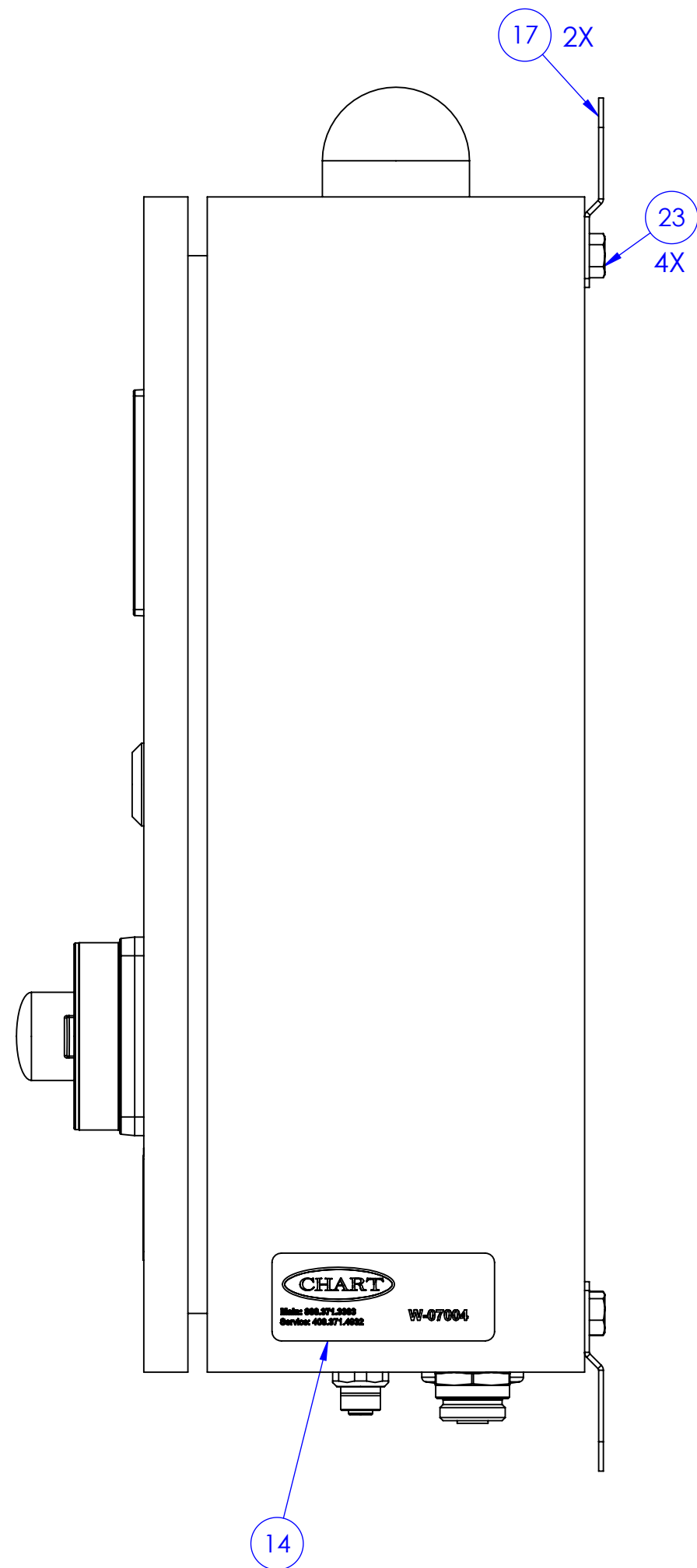
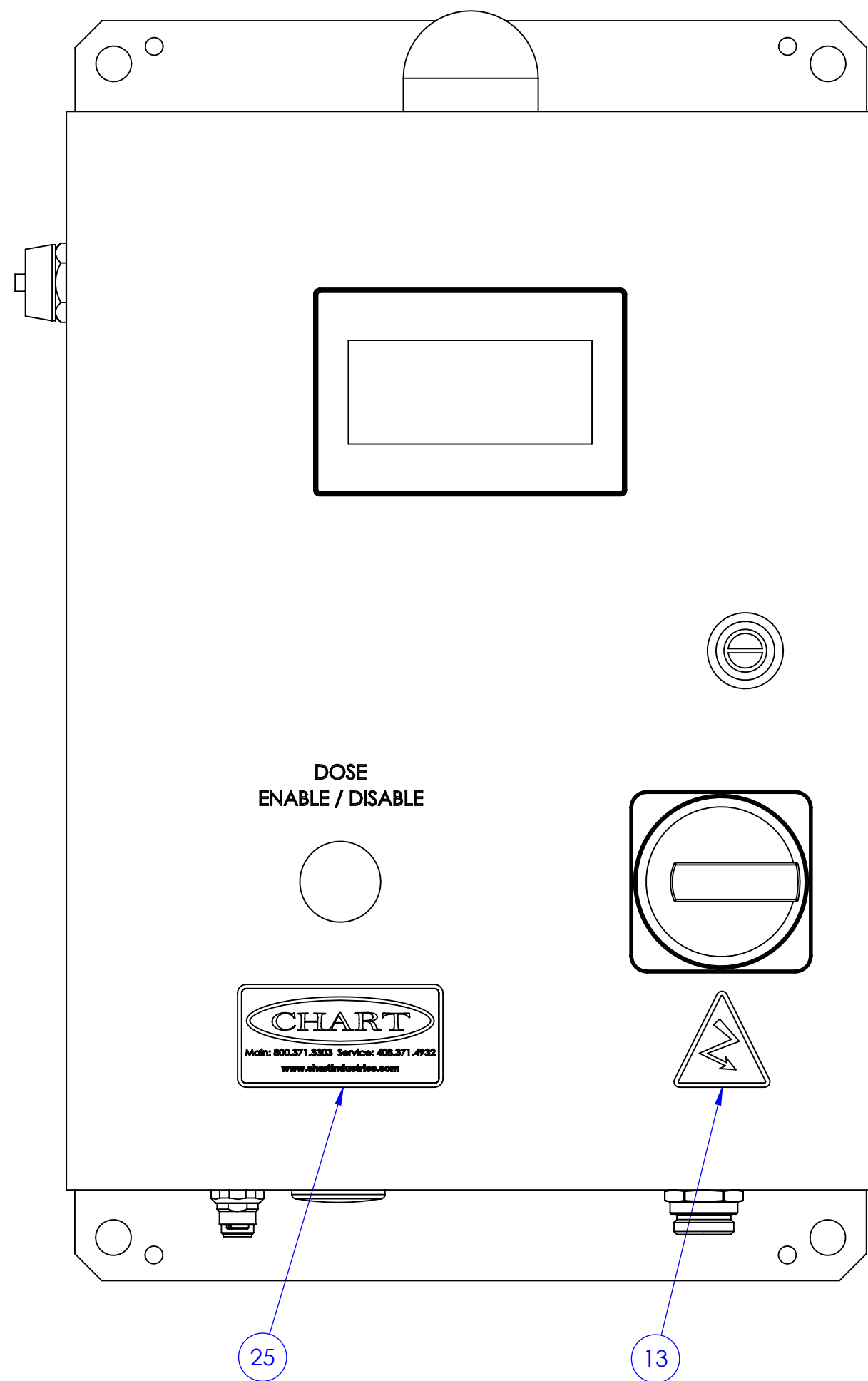
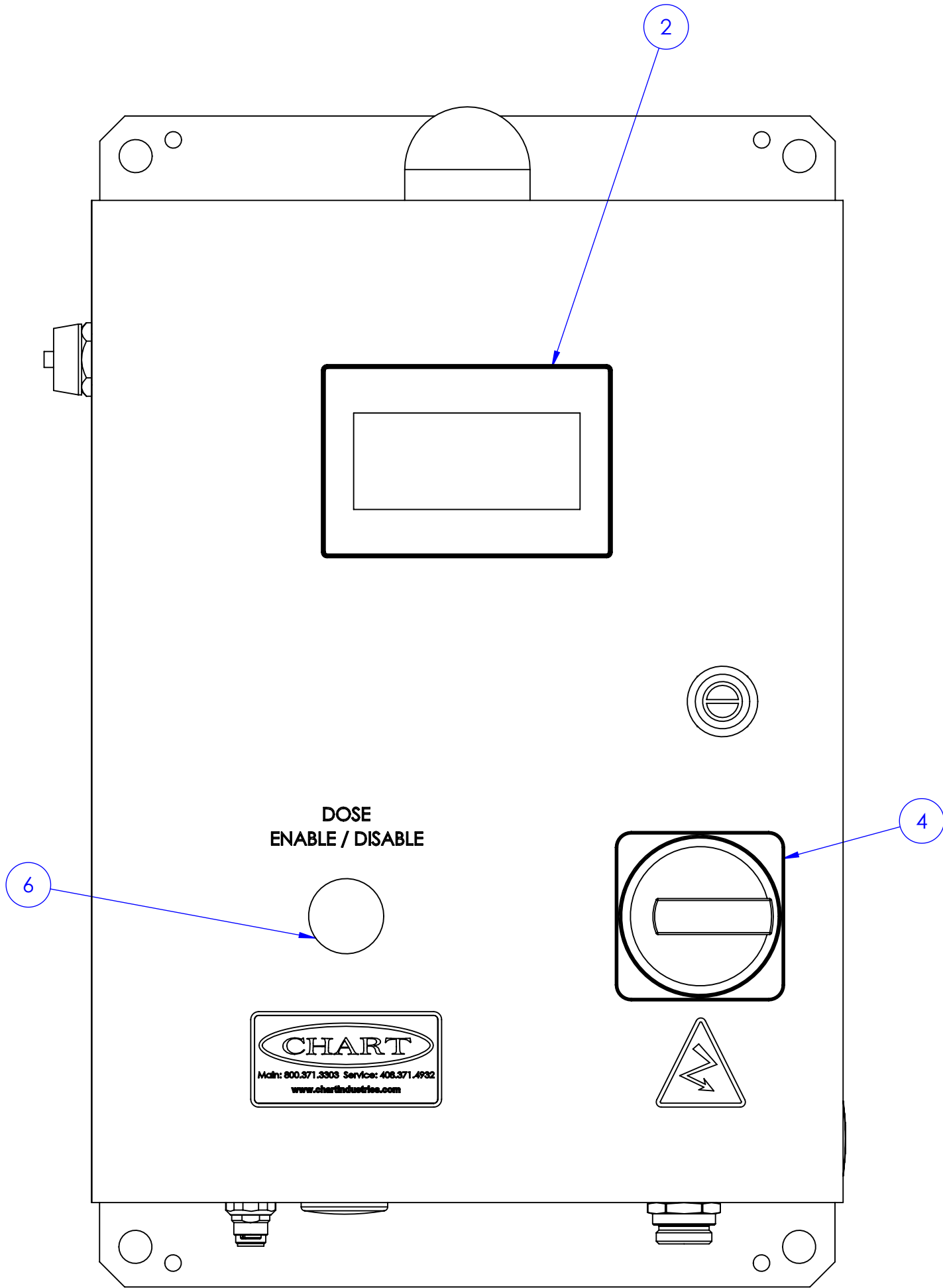
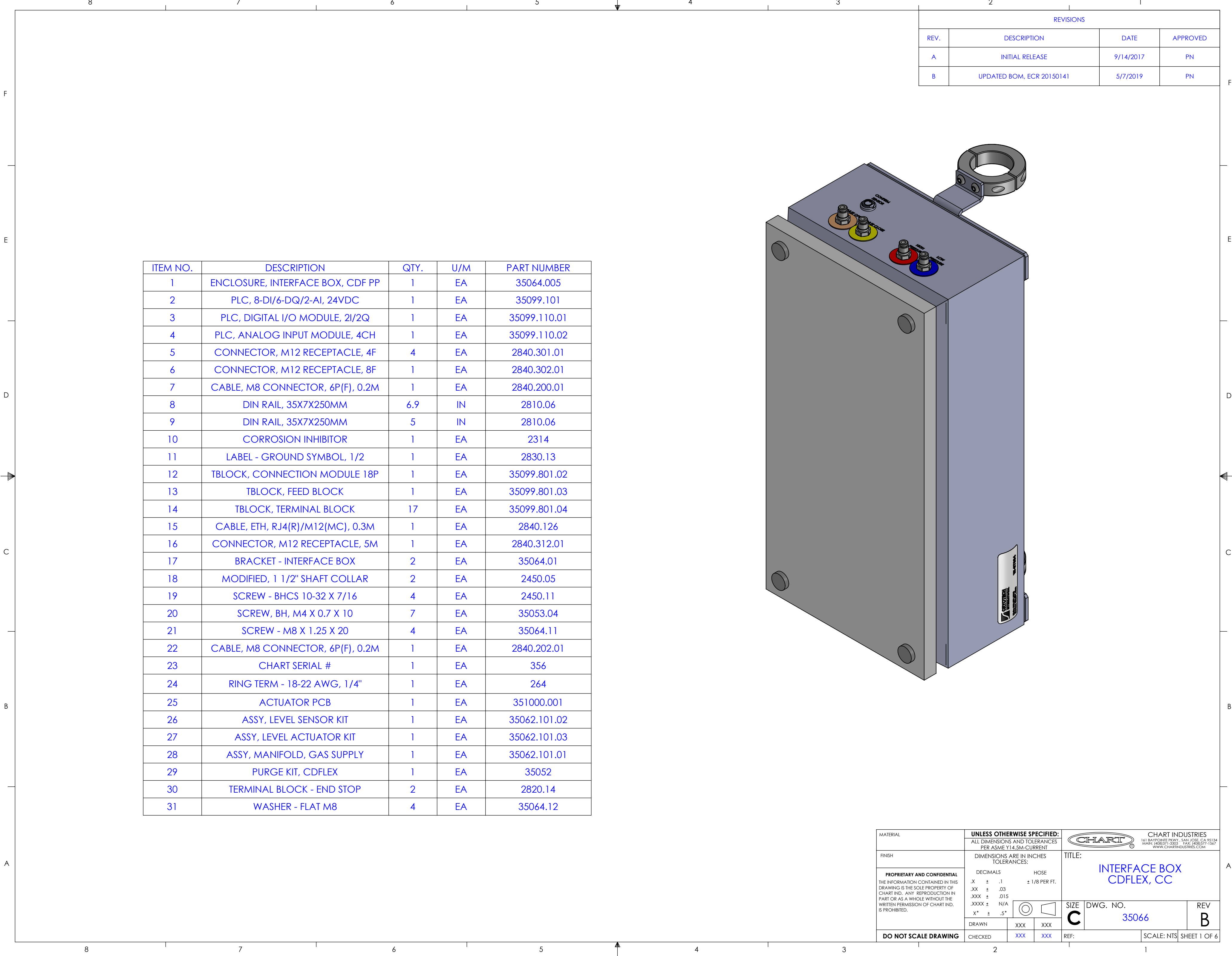


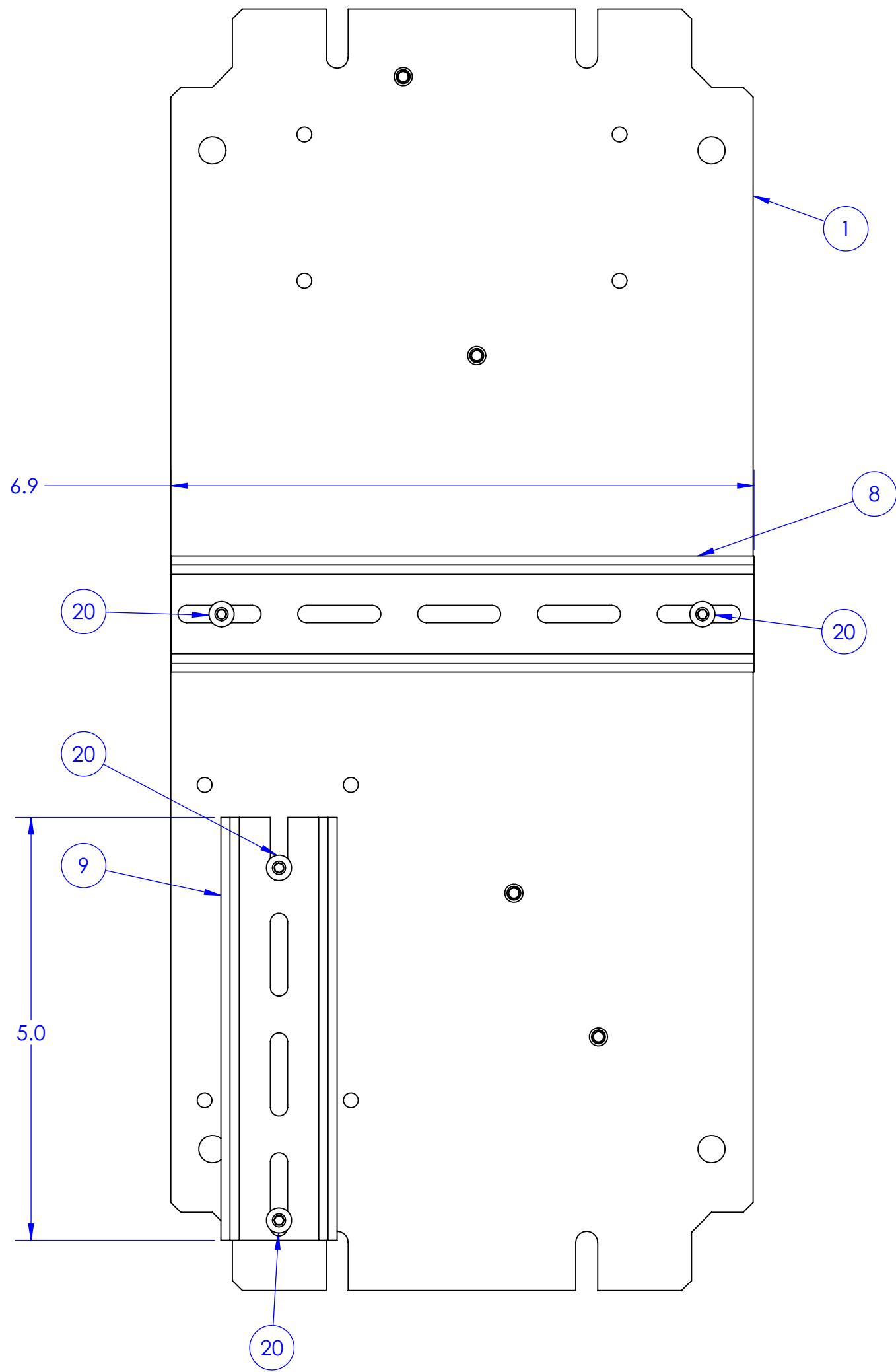
		CHART INDUSTRIES 161 BAYPOINTE PKWY., SAN JOSE, CA 95134 MAIN: (408)371-3303 FAX: (408)577-1567 WWW.CHARTINDUSTRIES.COM	
TITLE: CONTROL BOX CDFLEX, CC			
SIZE C	DWG. NO. 35065	REV B	
SCALE: NTS		SHEET 5 OF 5	



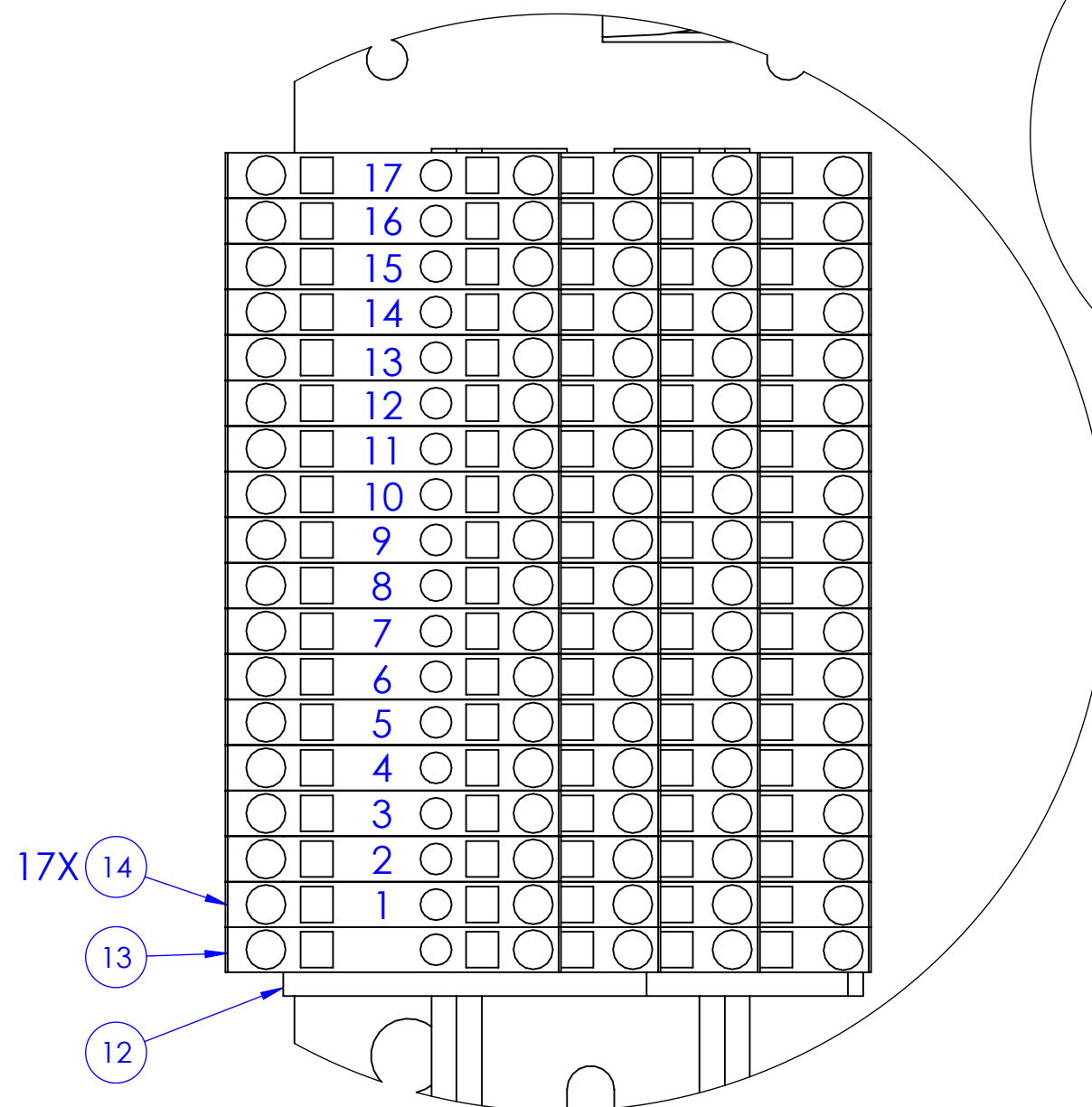
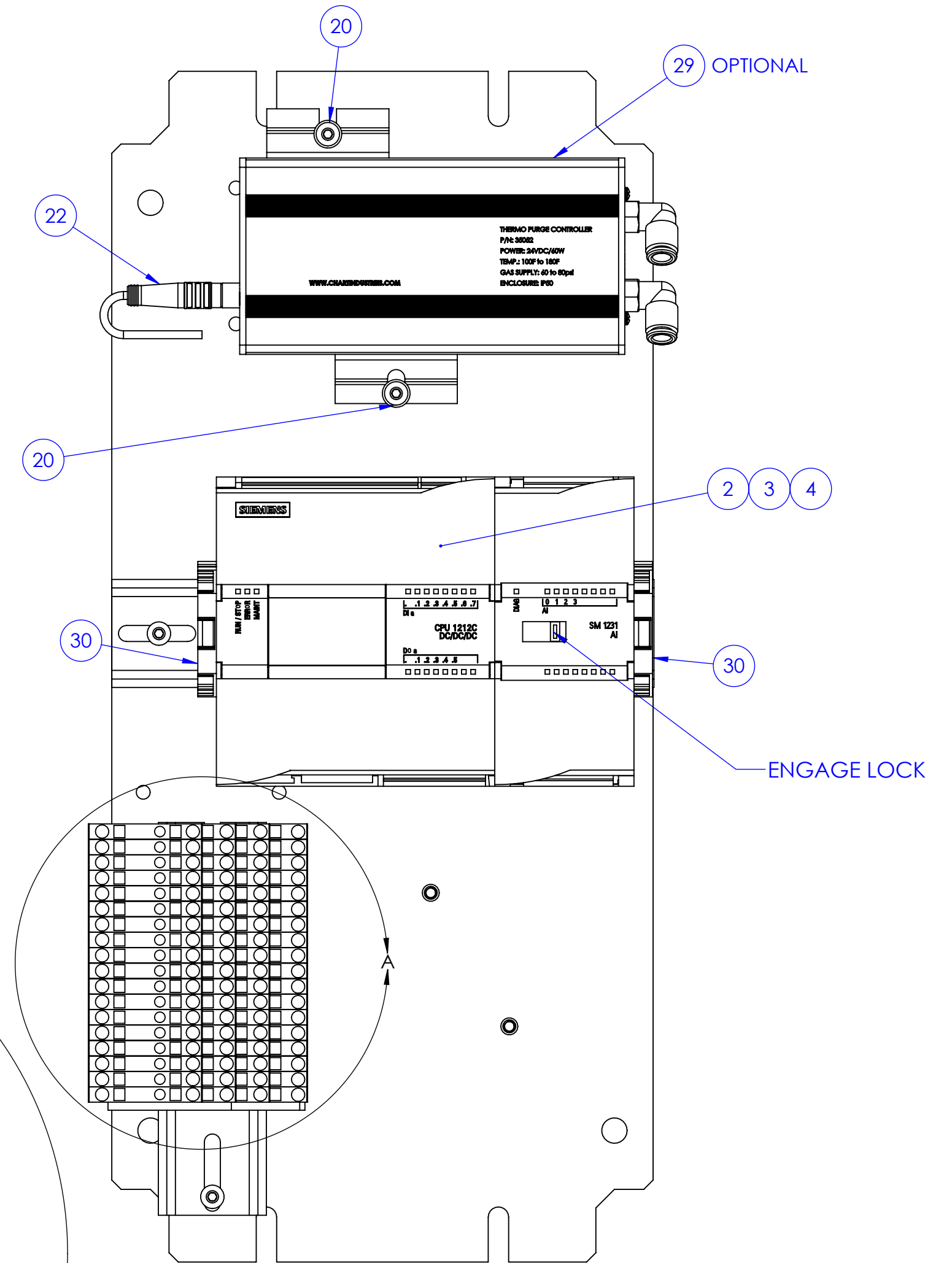
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	9/14/2017	PN
B	UPDATED BOM, ECR 20150141	5/7/2019	PN

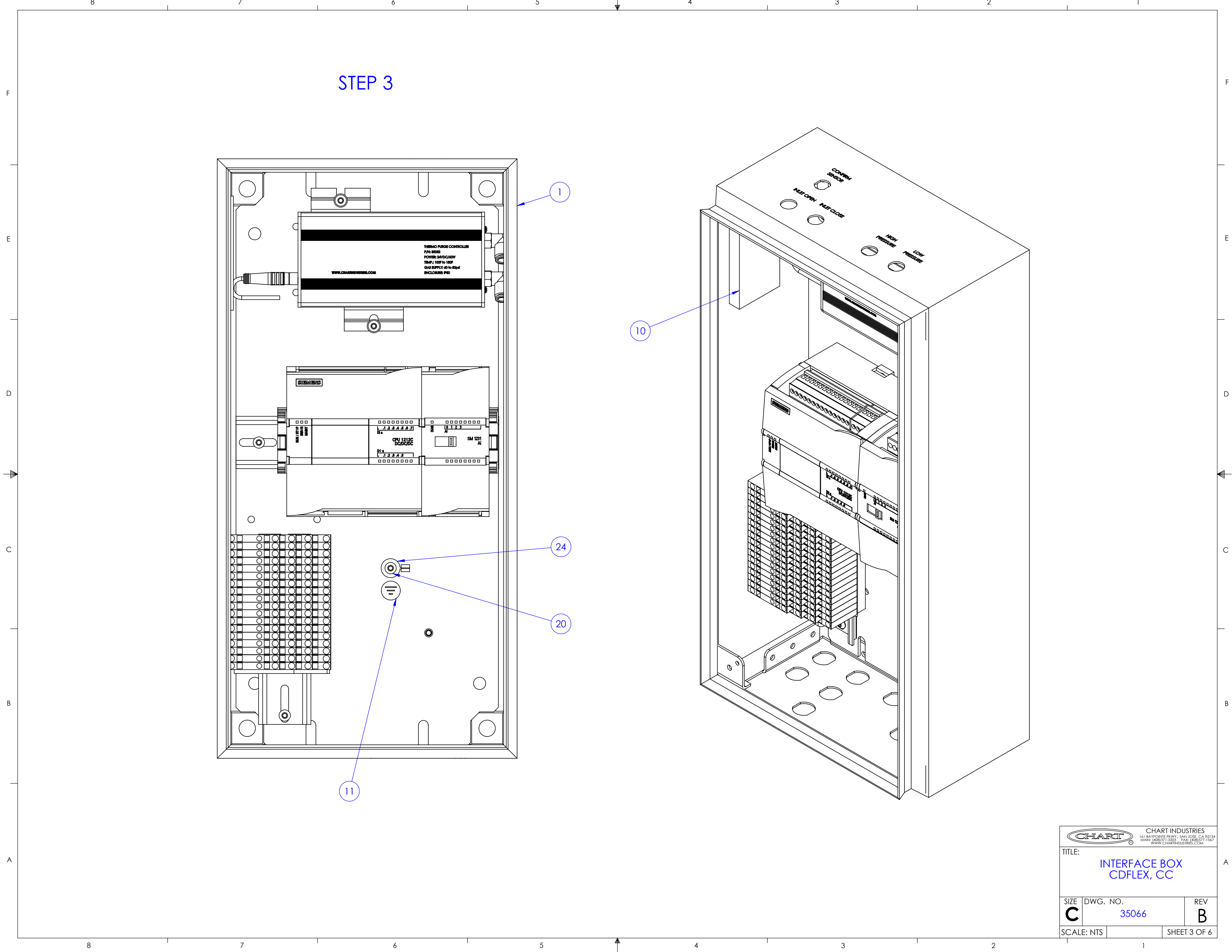
MATERIAL	UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5M-CURRENT			 CHART INDUSTRIES 161 BAYPOINTE PEWY, SAN JOSE, CA 95134 NABV: 1408371-3303 FAX: 408.575-1367 WWW.CHARTINDUSTRIES.COM			
FINISH	DIMENSIONS ARE IN INCHES TOLERANCES:			TITLE: INTERFACE BOX CDFLEX, CC			
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF CHART IND. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF CHART IND. IS PROHIBITED.	DECIMALS		HOSE				
	.X ± .1		± 1/8 PER FT.				
	.XX ± .03						
	.XXX ± .015						
	.XXXX ± N/A						
	X* ± .5*		 				
	DRAWN		XXX				XXX
DO NOT SCALE DRAWING	CHECKED	XXX	XXX	REF:	SCALE: NTS	SHEET 1 OF 6	
				SIZE C			
				DWG. NO. 35066			
				REV B			

STEP 1



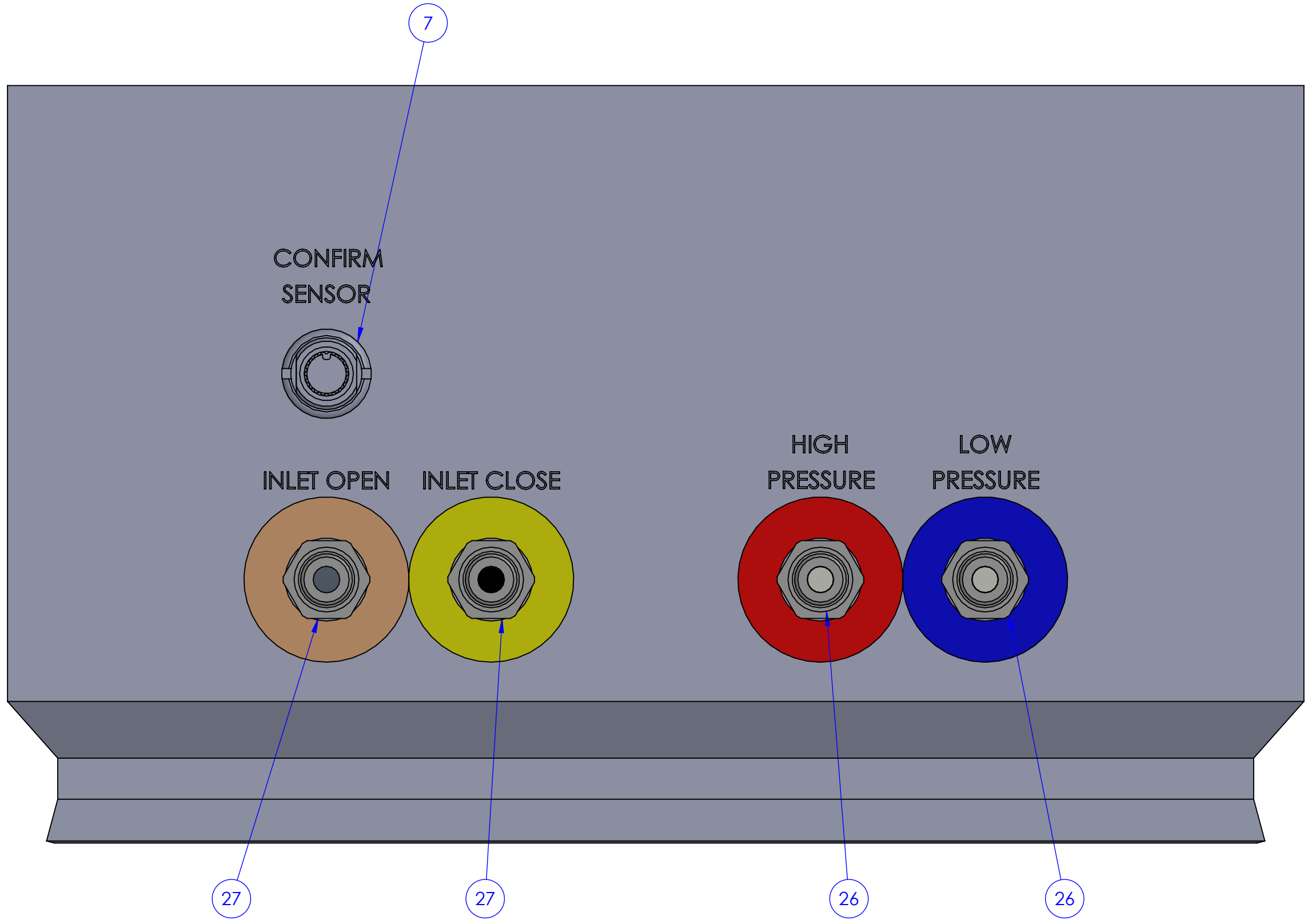
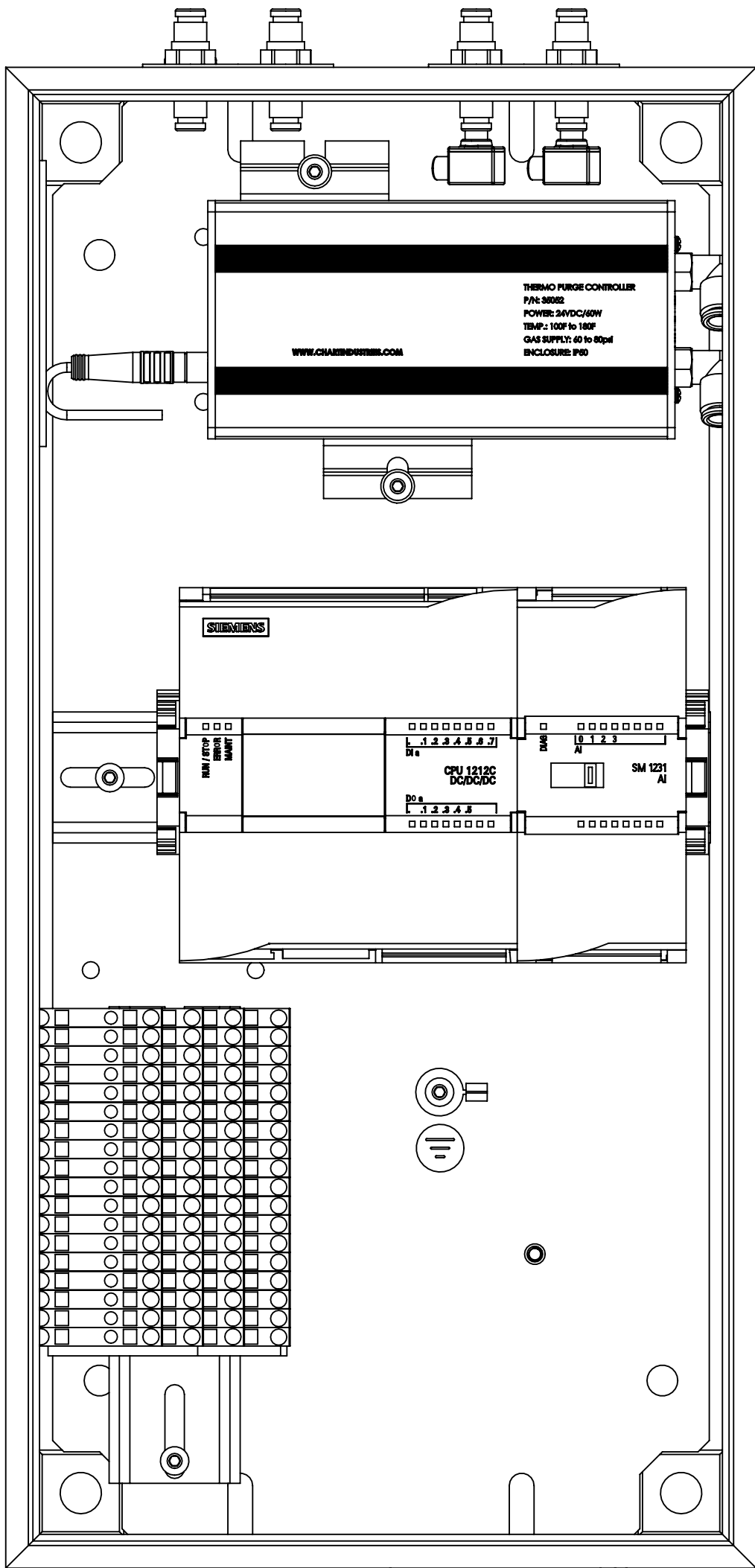
STEP 2



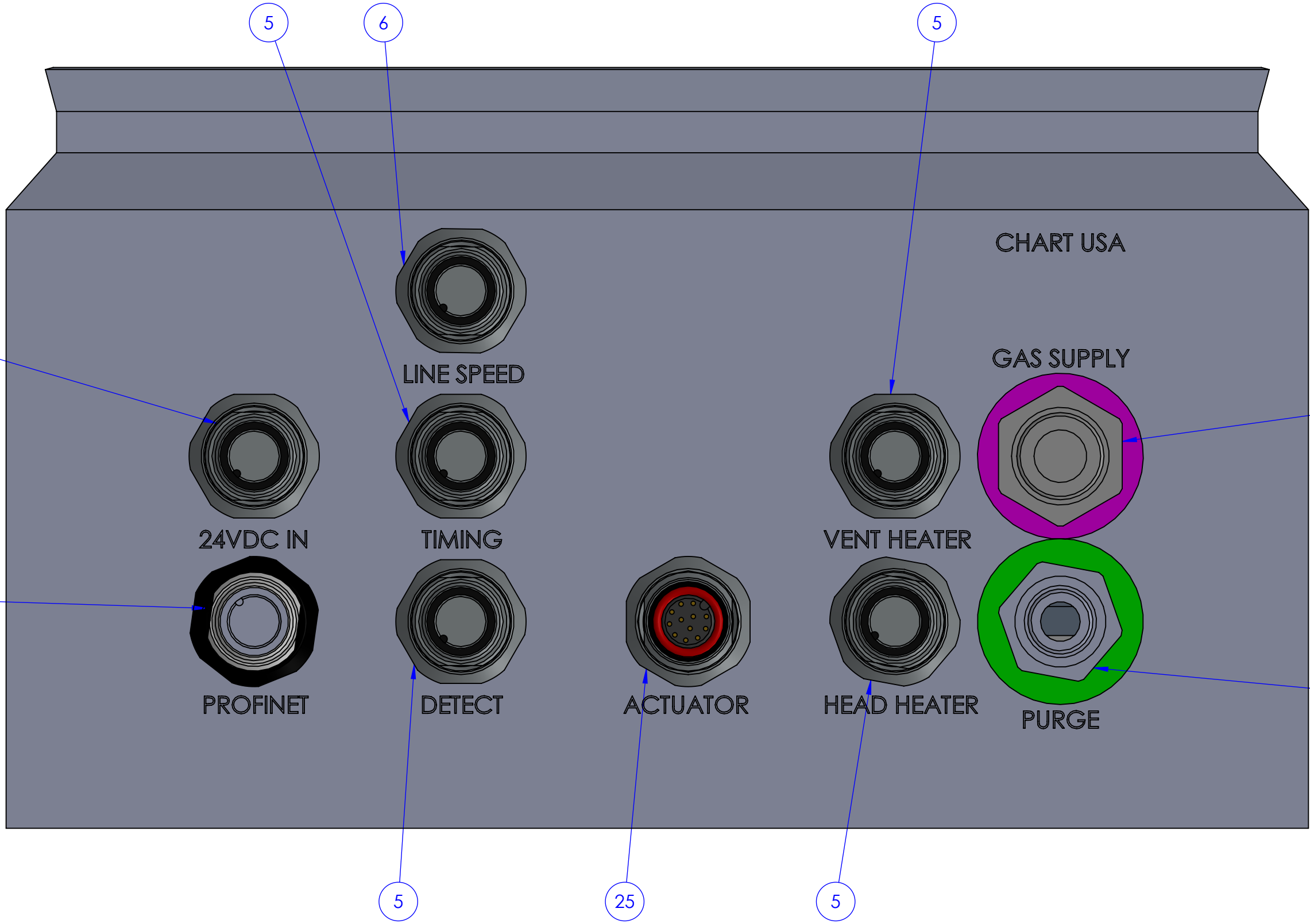
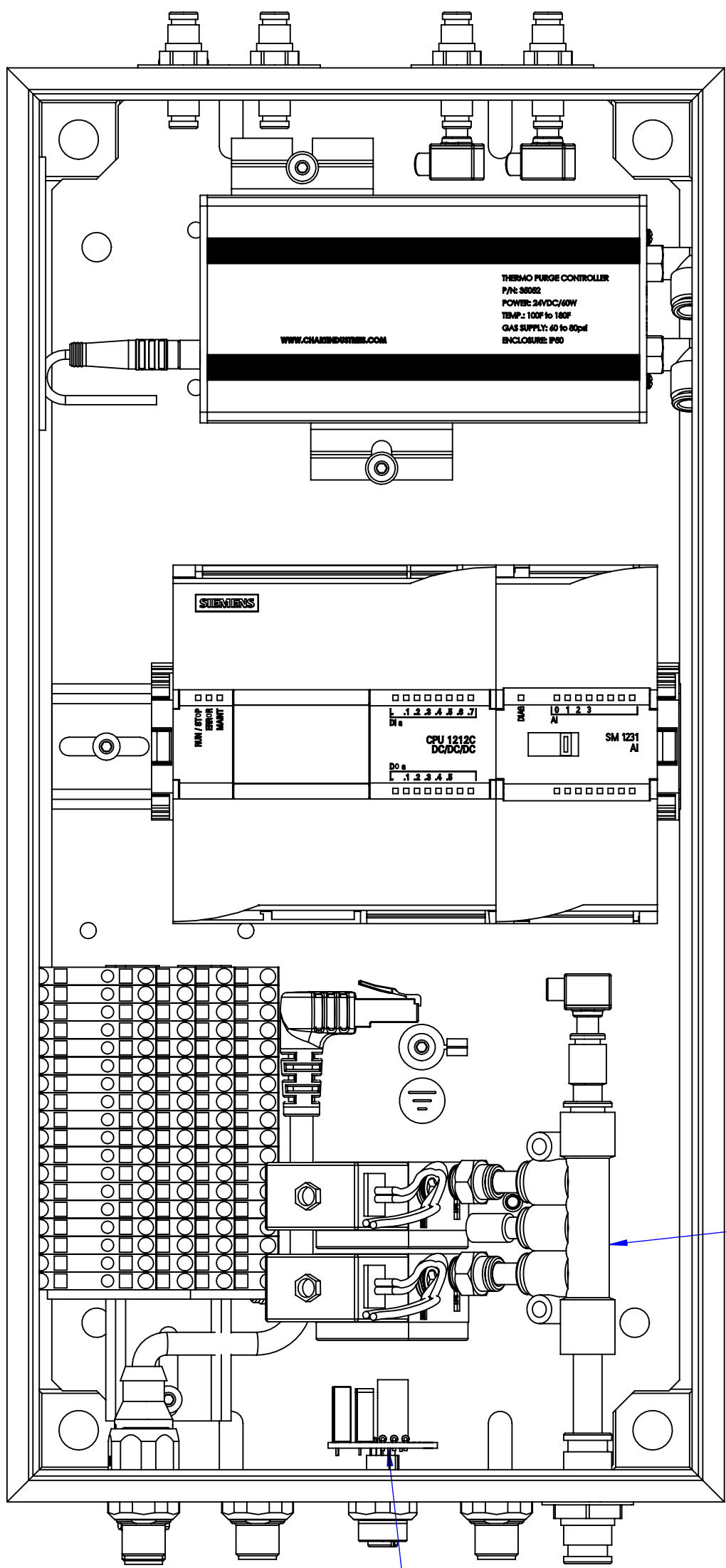


STEP 3

STEP 4



STEP 5



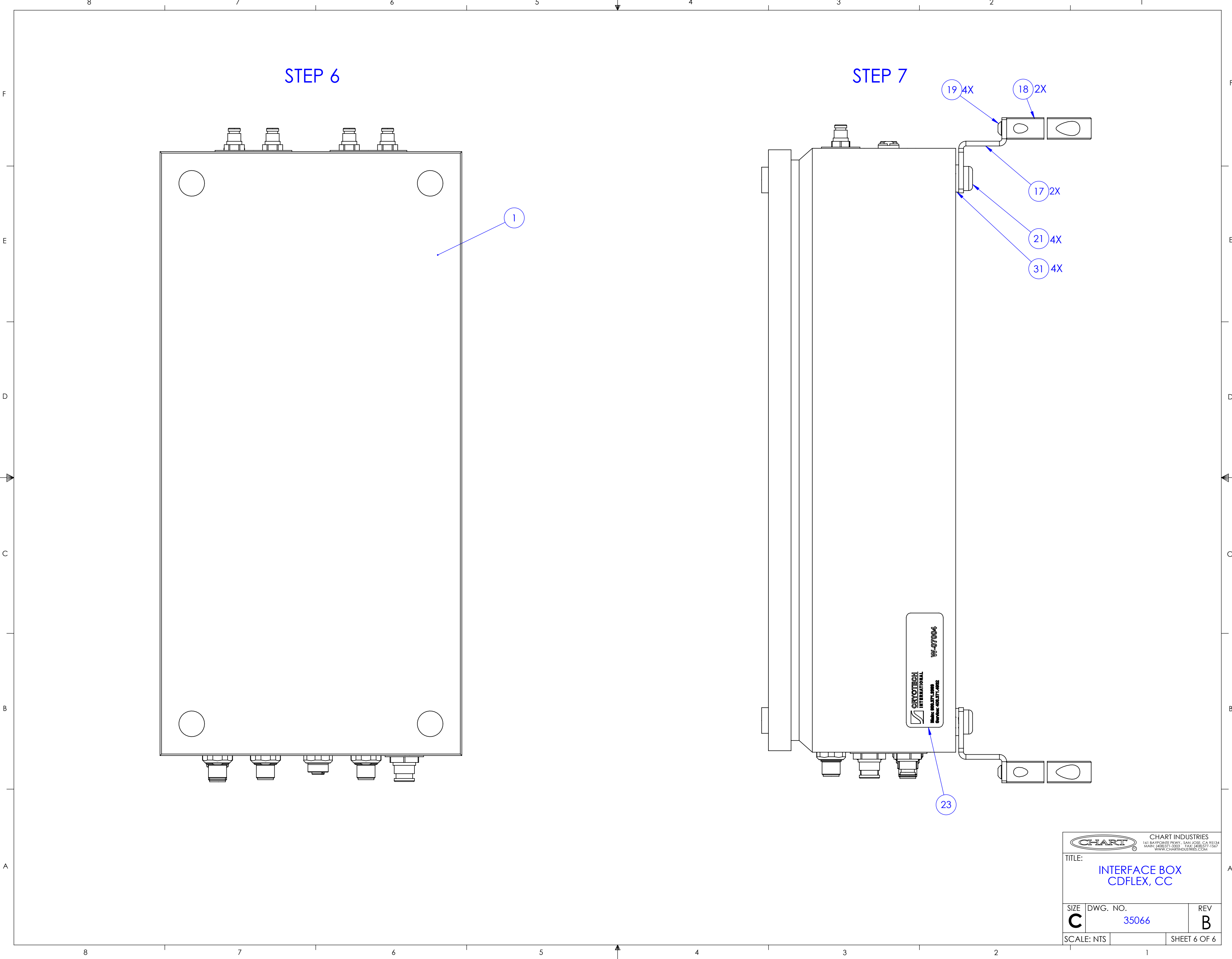
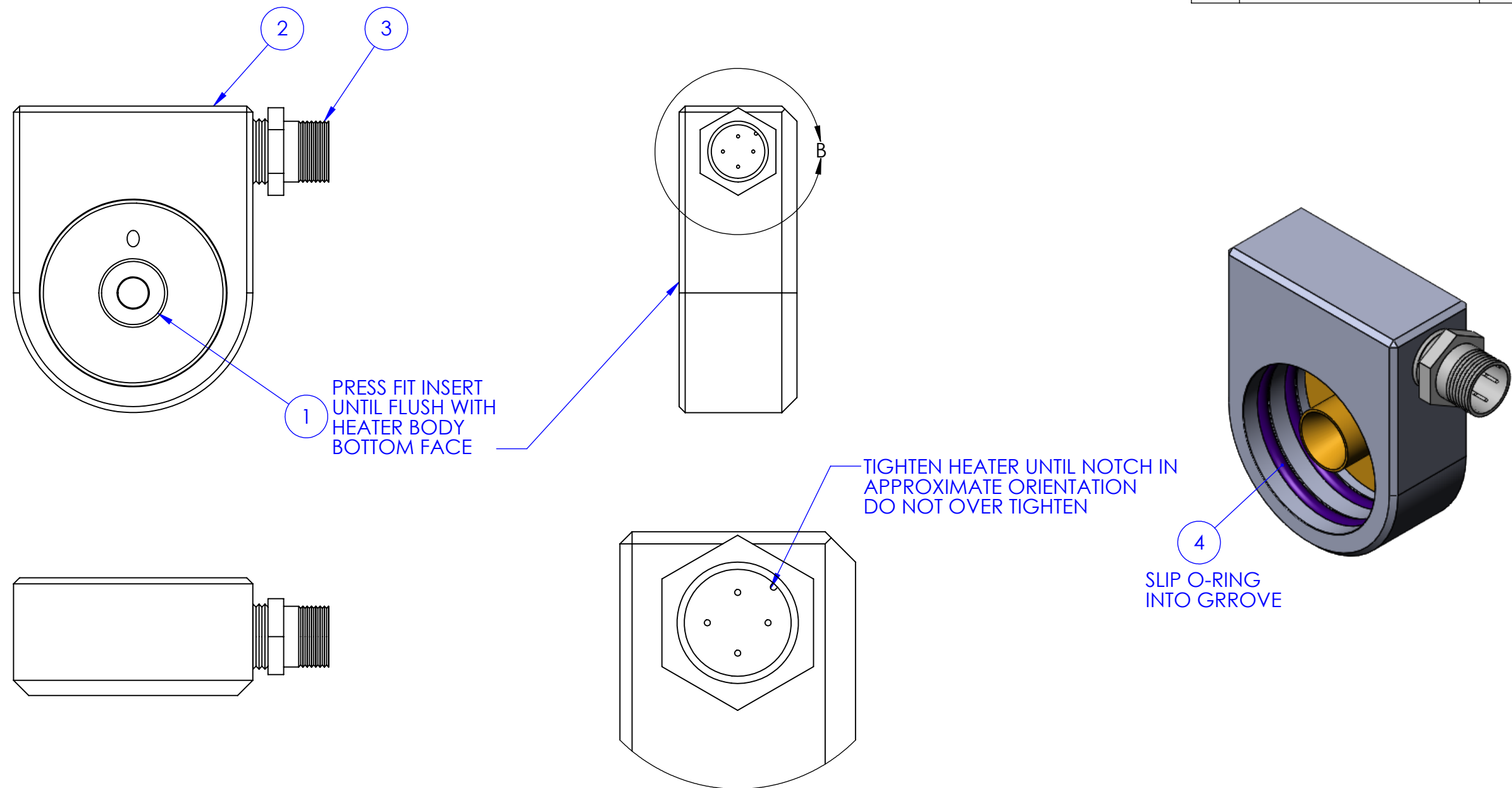


		CHART INDUSTRIES 161 BAYPOINTE PKWY., SAN JOSE, CA 95134 NABN: 408/371-3303 FAX: 408/371-1567 WWW.CHARTINDUSTRIES.COM	
TITLE: INTERFACE BOX CDFLEX, CC			
SIZE C	DWG. NO. 35066		REV B
SCALE: NTS		SHEET 6 OF 6	

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	6/25/2019	PN



ITEM NO.	DESCRIPTION	35070/Q TY.	U/M	CHART PART NUMBER
1	INSERT, NOZZLE HEATER	1	EA	214B
2	HEATER BODY, IR	1	EA	208
3	HEATER CARTRIDGE, M12 MALE, 10 WATTS	1	EA	35055.03
4	40mm o-ring	2	EA	199

MATERIAL	UNLESS OTHERWISE SPECIFIED:			 CHART INDUSTRIES 44441 LANDING PKWY., FREMONT, CA 94536 MAIN: (408)371-3303 FAX: (408)577-1567 WWW.CHARTINDUSTRIES.COM		
	ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5M-CURRENT					
FINISH	DIMENSIONS ARE IN INCHES TOLERANCES: DECIMALS HOSE .X ± .1 ± 1/8 PER FT .XX ± .01 .XXX ± .005 .XXXX± .0005 X° ± .5° 			TITLE: HEATER ASSY DOSING HEAD CDFLEX		
PROPRIETARY AND CONFIDENTIAL						
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF CHART IND. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF CHART IND. IS PROHIBITED.						
	DRAWN			SIZE B	DWG. NO. 35070	REV A
DO NOT SCALE DRAWING	CHECKED			REF:	SCALE: NTS	SHEET 1 OF 1

