

Black Grit Guard® Bucket Dolly

Item #: 3823



Product Description

The Grit Guard® Bucket Dolly mobilizes your buckets and shop products, letting you clean with ease. The Bucket Dolly supports up to 250 pounds, allowing you to be able to use it as a stool, and its five 360° casters make for easy rolling. Two locking casters prevent the dolly from rolling around, allowing you to work on an incline. The Grit Guard® Bucket Dolly can be used with all 3.5 to 7 gallon buckets. Made of polypropylene.

Specifications:

Item #: 3823	Weight in pounds: 4.6
Availability: In Stock. Ships Soon.	Manufacturer: Grit Guard®
Sold By: Erch	Manufacturer Part #: GG8D-BLACK
Catalog Page Number: P-228	Discounts: Qty 2: 5% off; Qty 4: 10% off; Qty 12: 15% off;



Rotary Sodium Hypochlorite Drum Pump

Item #: 90026

Product Description

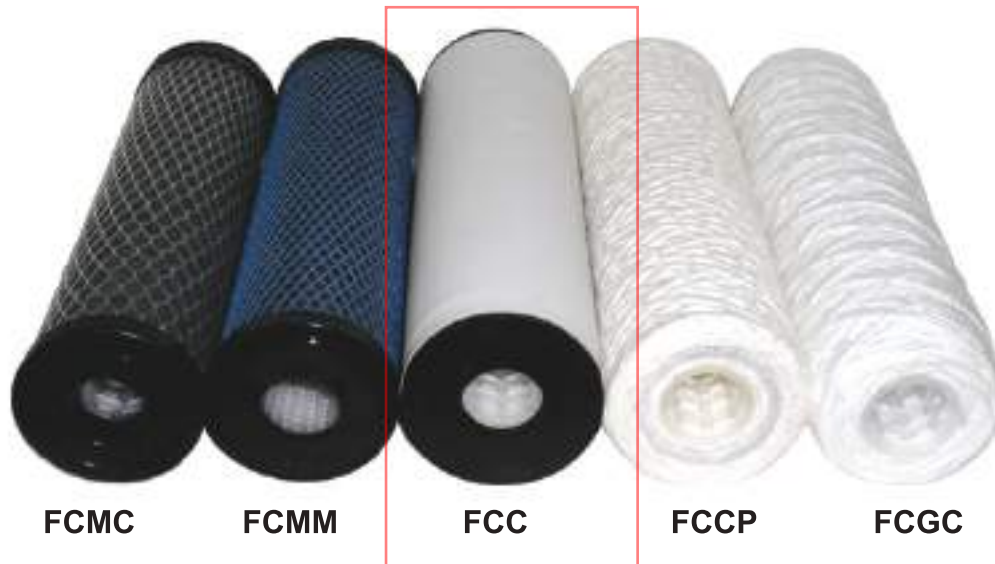
Designed for use with Sodium Hypochlorite (bleach, chlorine) in concentrations up to 20%, and other compatible chemicals. Features a specialized High-Density Polyethylene construction with PTFE vanes, Viton® shaft seal and Hastelloy spring. Includes guidelines for pumping Sodium Hypochlorite. For 15, 30 or 55 gal. drums w/standard 2" bung. Pumps approximately 8 gpm. 1" OD discharge spout.

Specifications

Item #: 90026	Weight in pounds: 5.275
Availability: In Stock, Ships Soon.	Manufacturer: National Spencat
Sold By: Each	Manufacturer Part #: 10240
Catalog Page Number: P-364	Discounts: Qty 2: 5% off; Qty 4: 10% off; Qty 12: 15% off.
Sold By: Each	Manufacturer Part #: UGI 5NLR RD45
Catalog Page Number: P-220	

Features:

- Organic Impurity Removal
- Non-Contaminating
- Choice of Packed Granular or Impregnated Paper
- High grade activated carbon
- Standard Filter Cartridge



Recommended for:

- Amines
- Glycols
- Sulfanois
- Water purification
- Vending machines
- Photographic
- Dechlorinating
- Plating solutions
- Oil removal
- Aromatic compounds
- High molecule weight alcohols
- Color removal
- Drinking water
- Benzene/Toluene
- PCB'S (polychlorinated biphenyls)
- Organic contaminants
- Clarity improvement
- Cooling tower treatment
- Beverages

Carbon Filter Cartridges are a one-step carbon and filtration treatment. These cartridges eliminate the problems associated with loose carbon treatment and the need for a separate filtration system.

The standard cartridge measures 2 3/4" O.D. with lengths varying from 4" to 40" with flow rates up to 2 1/2 gpm.

These cartridges are designed to be used in either single or multi-tubed vessels.

Carbon cartridges are available in 5 different styles:

- Style **FCMC** features a carbon-impregnated cellulose with polyester reinforced backing and external netting giving it great strength and dirt holding capacity.
- Style **FCMM** features an outer layer of polyolefin webbing with an impregnated carbon powder interior
- Style **FCC** is a porous polyethylene shell containing a sulfur free, high grade highly activated coconut granular carbon.
- Style **FCCP** is an outer wound cartridge which features layers of paper impregnated with activated powdered carbon.
- Style **FCGC** is another outer wound cartridge which utilizes a sulfur free, highly activated granular coconut carbon content.

CARBON FILTER CARTRIDGES

Style FCMC

Removal of:

- Free Chlorine
- Foul Tastes
- Odors
- Colors
- Sediments

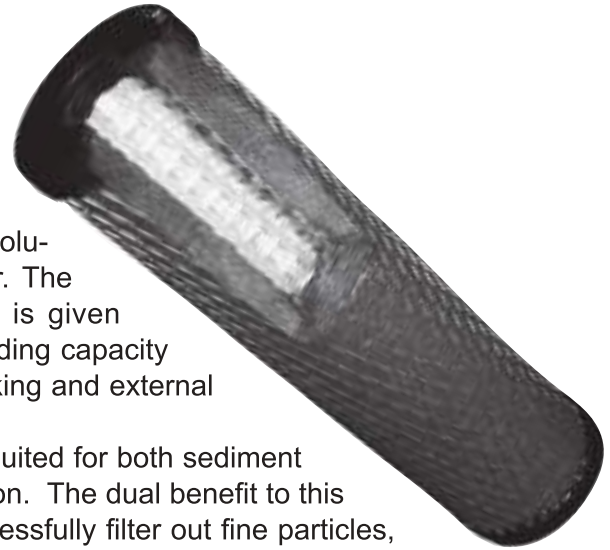
Purification of:

- Plating
- Photo Processing
- Solutions

Style FCMC

This carbon cartridge is your solution for filtration of potable water. The carbon-impregnated cellulose is given increased strength and dirt-holding capacity by its polyester reinforced backing and external netting.

Economically priced, it is well suited for both sediment filtration and taste/odor reduction. The dual benefit to this cartridge is in its ability to successfully filter out fine particles, while simultaneously reducing the presence of any undesirable



Style FCC

Removal of:

- Free Chlorine
- Foul Tastes
- Odors
- Colors
- Volatile Organic
- Chemical
- Sediments

Purification of:

- Plating
- Photo Processing
- Solutions
- Waste Water
- Treatment
- Process Water
- Recycling

Style FCC

This cartridge has a porous polyethylene shell containing a sulfur free, high grade highly activated coconut granular carbon.

It features a prefiltering outer shell made of a strong and porous polyethylene with ethylene-propylene end caps. The porous shell carbon cartridge has been designed primarily for use in removing organic contaminants from plating, acid, alkaline and chemical solutions. The liquid flows from the outside of the cartridge through the carbon granules removing organics and finally through a 3 micron inner wound layer of polypropylene media for a polishing depth filtration.

For gases, this carbon cartridge can be used in removing organics such as oil mist, water vapor and fine dust and scale particles. The polyethylene outer wrap possesses excellent filtering/coalescing properties. Most of the oil/water contaminant will be trapped and collected in the shell. The activated carbon is very effective for absorption of very finely dispersed oil, smoke, odors, aqueous mist that might penetrate the outer wrap. The inner wound layers then provide an excellent air polishing media.



CARBON CARTRIDGE SELECTION AND SIZING

- A. Several Factors affecting life and efficiency are:
 1. Particulate load in fluid
 2. Type and amount of cocontaminant to be dissolved
 3. Flow rate, temperature, and pH of fluid
 4. Single pass or recirculation system
 5. Contact time with wash. Steady or intermittent use. Activated carbon is used to purify, deodorise and upgrade quality of liquids.
- B. Early in the system it removes contaminants or it is used as a final step to improve product quality. Activated carbon prefers chemicals with low solubility, low polarity and a low degree of ionization.
- C. Single pass applications should employ molded activated powder, impregnated carbon or paper impregnated activated powder carbon cartridges.
- D. Recirculating systems should employ granular carbon cartridges.
- E. Series filtration utilizing a string wound particulate filter upstream of the carbon cartridge will increase the carbon cartridge life immensely.
- F. Sizing based on contact time. Longer contact time results in higher absorption.
- G. Higher than recommended flow rates can be employed, but removal efficiency may be sacrificed. The lower the gpm flow rate the greater the efficiency of the carbon cartridge. We recommend a maximum of 2 1/2 gpm per 10" cartridge length.

PACKAGING

Number of Cartridges per Case

Length	FCMC	FCMM	FCC	FCCP	FCGC
4"	40	40	40	30	30
5"	40	40	40	30	30
6"	40	40	40	30	30
9-3/4"	20	20	20	20	20
10"	20	20	20	20	20
20"	12	12	8	10	10
30"	12	12	8	10	10
40"	30	30	TBA*	10	10

*To be advised



7932 Ajay Drive, Sun Valley, CA 91352
 (818) 504-9471 FAX:(818) 768-7590



BFA Series Bulkhead Fittings – Standard Flange

1/2" TO 6" PVC, CPVC AND PP – LONG PATTERN

KEY FEATURES

- PVC, CPVC and PP
- Extra Long Design for Thick Tank Walls
- Left-Hand Threads
- Rated at 150 PSI
- FPM or EPDM Gasket Seal
- Hex Body
- Buttress Threads

OPTIONS

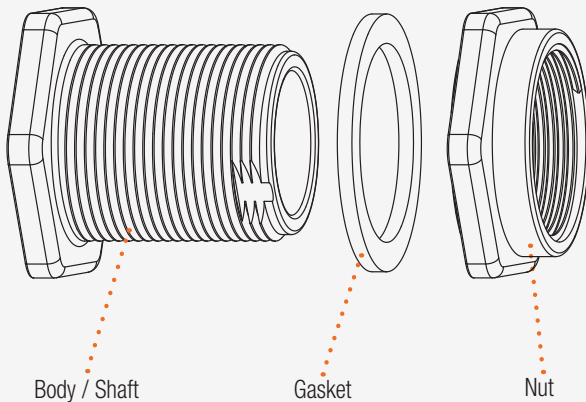
- Vacuum Breaker
- Ready Flanges (for Making Flanged Connections to Tanks)
- Tank-Tite™

MATERIALS

- PVC Cell Class 12454 per ASTM D1784
- CPVC Cell Class 23447 per ASTM D1784
- PP per ASTM D4101
- FPM and EPDM Gaskets

TECHNICAL INFORMATION

EXPLODED VIEW



SELECTION CHART

SIZE	MATERIAL	END CONNECTION	GASKETS	PRESSURE RATING
1/2" – 6" (DN15 – DN150)	PVC	Socket x Socket Socket x Thread	FPM or EPDM	150 PSI @ 70°F Non-Shock
	CPVC	Thread x Thread		
	PP	Thread x Thread		

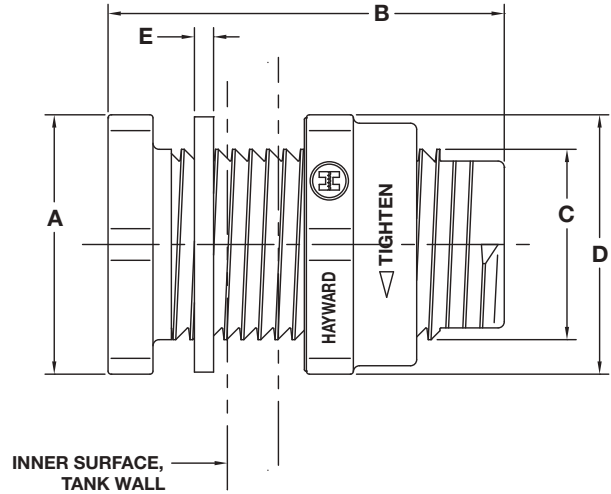
BFA Series Bulkhead Fittings – Standard Flange

1/2" TO 6" PVC, CPVC AND PP – LONG PATTERN

TECHNICAL INFORMATION, CONTINUED

MINIMUM INSIDE RADII OF TANKS FOR BULKHEAD FITTING INSTALLATION

SIZE in / DN	Min. Rigid Tank Radius	Min. Flexible Tank Radius	Max. Wall Thickness
1/2 / 15	7.25"	6.50"	2.08"
3/4 / 20	10.00"	9.25"	2.08"
1 / 25	11.75"	10.70"	2.08"
1-1/4 / 32	16.25"	12.19"	2.00"
1-1/2 / 40	16.25"	12.19"	2.00"
2 / 50	25.75"	19.38"	2.00"
3 / 80	30.00"	25.25"	2.12"
4 / 100	60.00"	55.00"	2.45"
6 / 150	114.00"	97.00"	3.25"

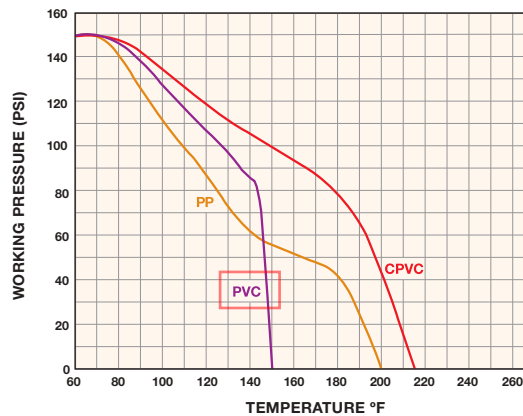


DIMENSIONS – INCHES / MILLIMETERS

SIZE in / DN	A in / mm ACROSS FLATS	B in / mm	C in / mm INSTALLATION HOLE SIZE	D in / mm ACROSS FLATS	E in / mm GASKET THICKNESS
1/2 / 15	2.00 / 51	3.75 / 95	1.38 / 35	2.00 / 51	.19 / 5
3/4 / 20	2.38 / 60	3.88 / 99	1.63 / 41	2.38 / 60	.19 / 5
1 / 25	2.56 / 65	3.88 / 99	1.88 / 48	2.56 / 65	.19 / 5
1-1/4 / 32	3.25 / 83	4.00 / 102	2.65 / 67	3.25 / 83	.19 / 5
1-1/2 / 40	3.25 / 83	4.00 / 102	2.65 / 67	3.25 / 83	.19 / 5
2 / 50	4.38 / 111	4.25 / 108	3.25 / 83	4.38 / 111	.25 / 6
3 / 80	6.00 / 152	4.65 / 118	4.50 / 114	6.00 / 152	.25 / 6
4 / 100	8.75 / 222	5.75 / 146	5.75 / 146	8.75 / 222	.25 / 6
6 / 150	12.00 / 305	8.00 / 203	8.06 / 205	12.00 / 305	.31 / 8

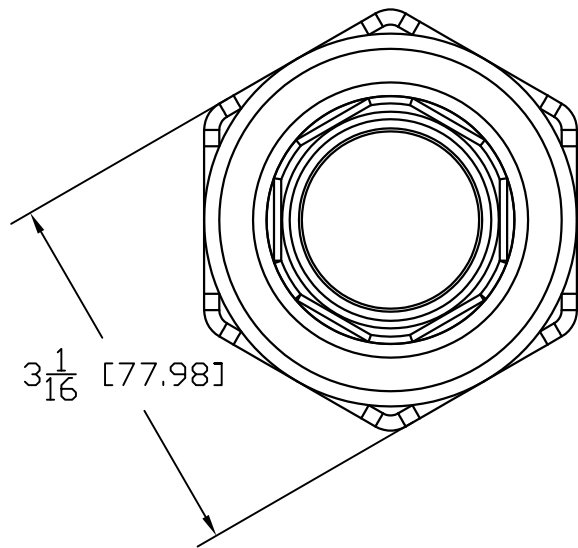
Dimensions are subject to change without notice – consult factory for installation information
 Dimensions A and D are Across Flats. 1/2" to 2" Hexagon Flats, 3", 4" and 6" Octagon Flats

OPERATING TEMPERATURE / PRESSURE

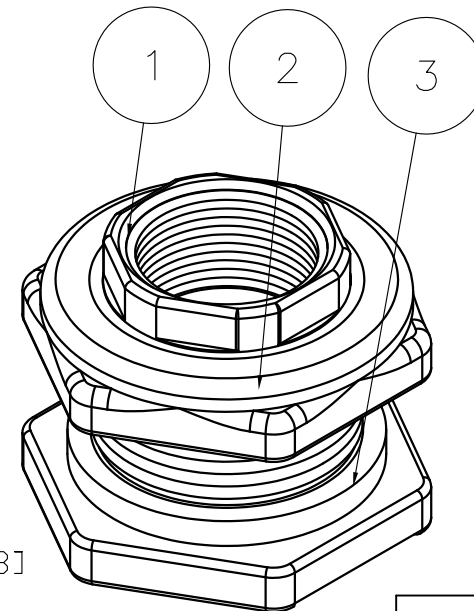
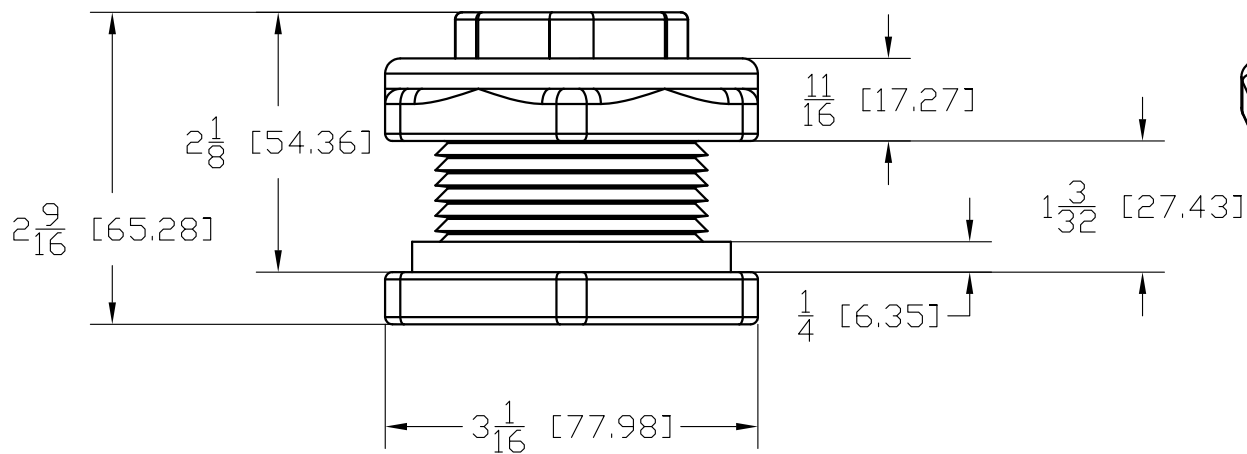


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Contact Hayward Flow Control with questions: 1-888-429-4635 • Fax: 1-888-778-8410 • One Hayward Industrial Drive • Clemmons, NC 27012 • USA
 Visit us at: www.haywardflowcontrol.com • E-mail: hflow@haywardnet.com



Parts List			
ITEM	QTY	NAME	DESCRIPTION
1	1	TF121	1-1/4" TANK FLANGE BODY
2	1	TF103	TANK FLANGE NUT
3	1	200G	GASKET
4	1	VL1004	DECAL (N/S)



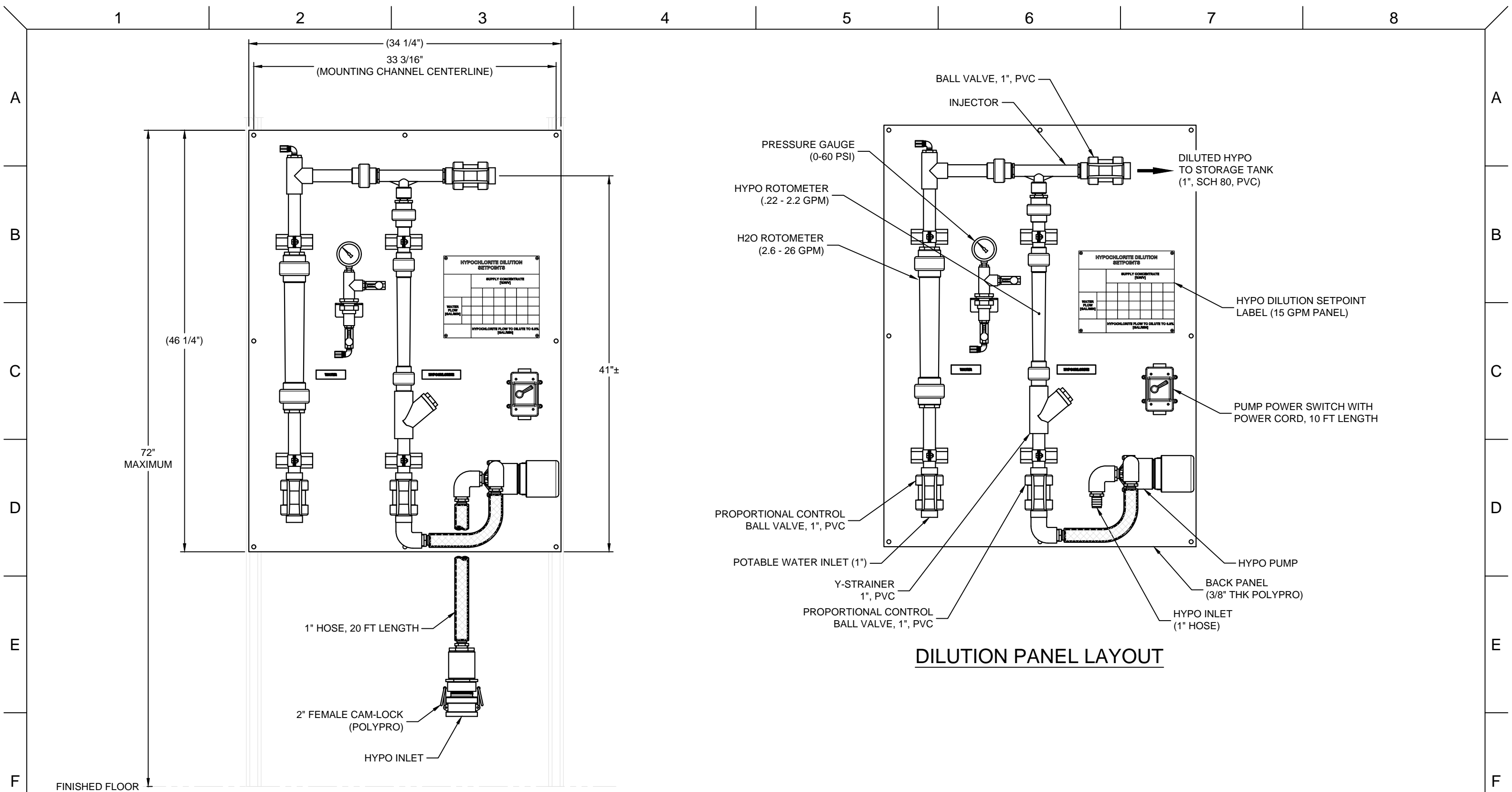
BANJO CORPORATION
150 BANJO DR. ■ CRAWFORDSVILLE, IN 47933

PART NO.
TF125
TITLE
1 1/4" NPT Tank Fitting

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SECTION 8.8

HYPOCHLORITE DILUTION PANEL



- BALL VALVE, 1", PVC
- INJECTOR
- PRESSURE GAUGE (0-60 PSI)
- DILUTED HYPO TO STORAGE TANK (1", SCH 80, PVC)
- HYPO ROTOMETER (.22 - 2.2 GPM)
- H2O ROTOMETER (2.6 - 26 GPM)
- HYPOCHLORITE DILUTION SETPOINTS
- HYPO DILUTION SETPOINT LABEL (15 GPM PANEL)
- PUMP POWER SWITCH WITH POWER CORD, 10 FT LENGTH
- HYPO PUMP
- BACK PANEL (3/8" THK POLYPRO)
- HYPO INLET (1" HOSE)
- PROPORTIONAL CONTROL BALL VALVE, 1", PVC
- POTABLE WATER INLET (1")
- Y-STRAINER 1", PVC
- PROPORTIONAL CONTROL BALL VALVE, 1", PVC


- 1" HOSE, 20 FT LENGTH
- 2" FEMALE CAM-LOCK (POLYPRO)
- HYPO INLET

DILUTION PANEL LAYOUT

PANEL INSTALLATION

REV. Δ	DATE	BY	DESCRIPTION	REV. Δ	DATE	BY	DESCRIPTION
A	04/08/21	LT	INITIAL RELEASE				

This drawing represents an investment by PROCESS SOLUTIONS, INC of substantial sums, including our engineering skills and experience. It is, therefore, loaned without consideration other than the agreement and condition that it is not to be used in whole or in part to assist in making or to furnish any information to others for the making of drawings, print apparatus, or parts thereof. The acceptance of this drawing will be construed as an acceptance of the forgoing conditions and as an admission of the exclusive ownership in and to the drawings of PROCESS SOLUTIONS, INC.



PSI Water Technologies
A PSI SOLUTIONS COMPANY

PROJECT: PSI WATER TECHNOLOGIES, ONC.
1077 DELL AVE. CAMPBELL CA, 95008

SUBJECT: DILUTION PANEL
15 GPM
OUTLINE & UTILITY DRAWING

DWG #: 000000-MC0825-OU SHEET 1 OF 1 REV. A

DRAWN BY: L. TODD

CHECKED BY:

SCALE: NTS

DATE: 04/08/21

DATE:

SIZE:



MARCH PUMPS

1819 PICKWICK AVE., GLENVIEW, IL 60026-1306, U.S.A
 PHONE: (847) 729-5300 - FAX: (847) 729-7062
 WWW.MARCHPUMP.COM

AC-3CP-MD, AC-3AP-MD BC-3CP-MD, BC-3AP-MD BC-3K-MD, LC-3CP-MD

DESCRIPTION:


Series 3 are centrifugal magnetic drive pumps, eliminating the need for a shaft seal. Pumps are serviceable with a screwdriver. The "LC" model is hermetically encapsulated which allows the pump to be run fully submerged or in open air for complete moisture protection. See the parts list for a breakdown of parts.

OPERATION:

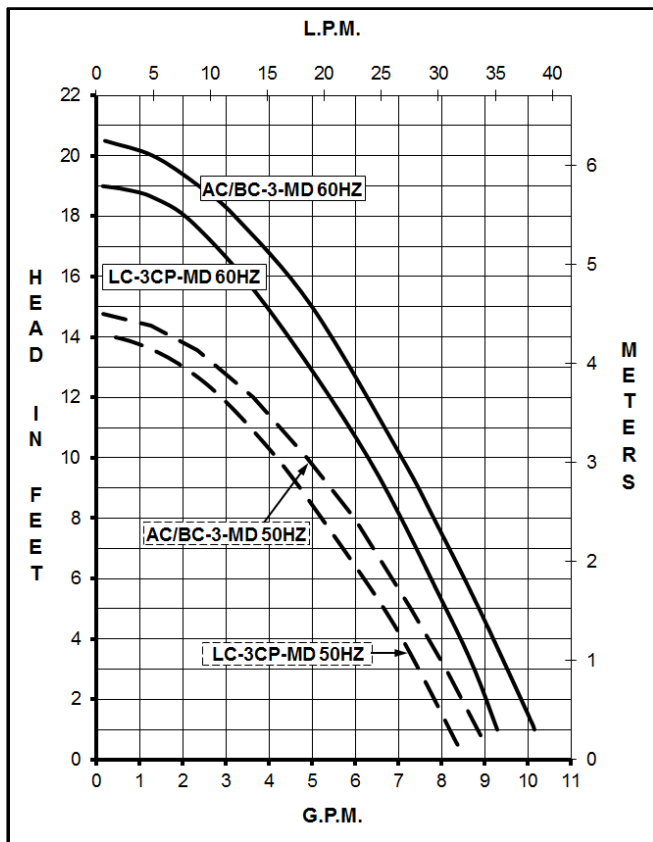
Pumps are not self-priming, lack a suction lift, and thus require a **flooded suction**. Pumps **cannot be run dry** because the impeller requires the liquid being pumped for lubrication. For liquids with a specific gravity greater than water, have a higher viscosity, or for elevated temperatures, a trimmed impeller may be necessary. For application assistance, contact March Pump.

ELECTRICAL:

Motors are available in different electrical configurations such as 115V 60Hz, 115V 50/60Hz, or 230V 50/60Hz, 1 phase.

LC-3CP-MD SPECIFICATIONS					
Model Abbreviations		C: Threaded Inlet/Outlet, LC: Liquid Cooled			
Max Flow		60Hz {8.5 gpm} - 50Hz {31 lpm}			
Max Head		60Hz {19 ft / 8.2 psi} - 50Hz {4.3 m}			
Inlet - Outlet		3/4" FPT - 1/2" MPT			
Max Internal Pressure		25 psi / 1.7 bar			
Liquid Temperature		130°F / 54°C Max			
Overall Size (H x W x L)		4.87" x 4.75" x 7.38" - 12.3 cm x 12.0 cm x 18.7 cm			
Packed Weight		7.90 lbs / 3.58 kg (115V) / 7.95 lbs / 3.60 kg (230V)			
		60Hz - 115V	50Hz - 115V	60Hz - 230V	50Hz - 230V
Motor Type		Totally Enclosed / Submersible			
Rating / Duty		U.L. listed motor / Continuous			
1 Phase	Watts - Amps	120 - 2.0	137 - 2.3	120 - 1.0	100 - 1.0
	Hp / Kw - Rpm	1/20 - 3450	0.037 - 2850	1/20 - 3450	0.037 - 2850
Electrical Connection		6 ft (1.8 m) Cord			
Materials in Contact with Solution:		Polypropylene, Cupric Nickel, Buna N, Ceramic, Ceramic Magnet Also when submerged: Epoxy, Stainless, Ryton, & Cord			

All specifications & data are based on pumping water & are intended as a guideline only. Specifications may vary with different motors.

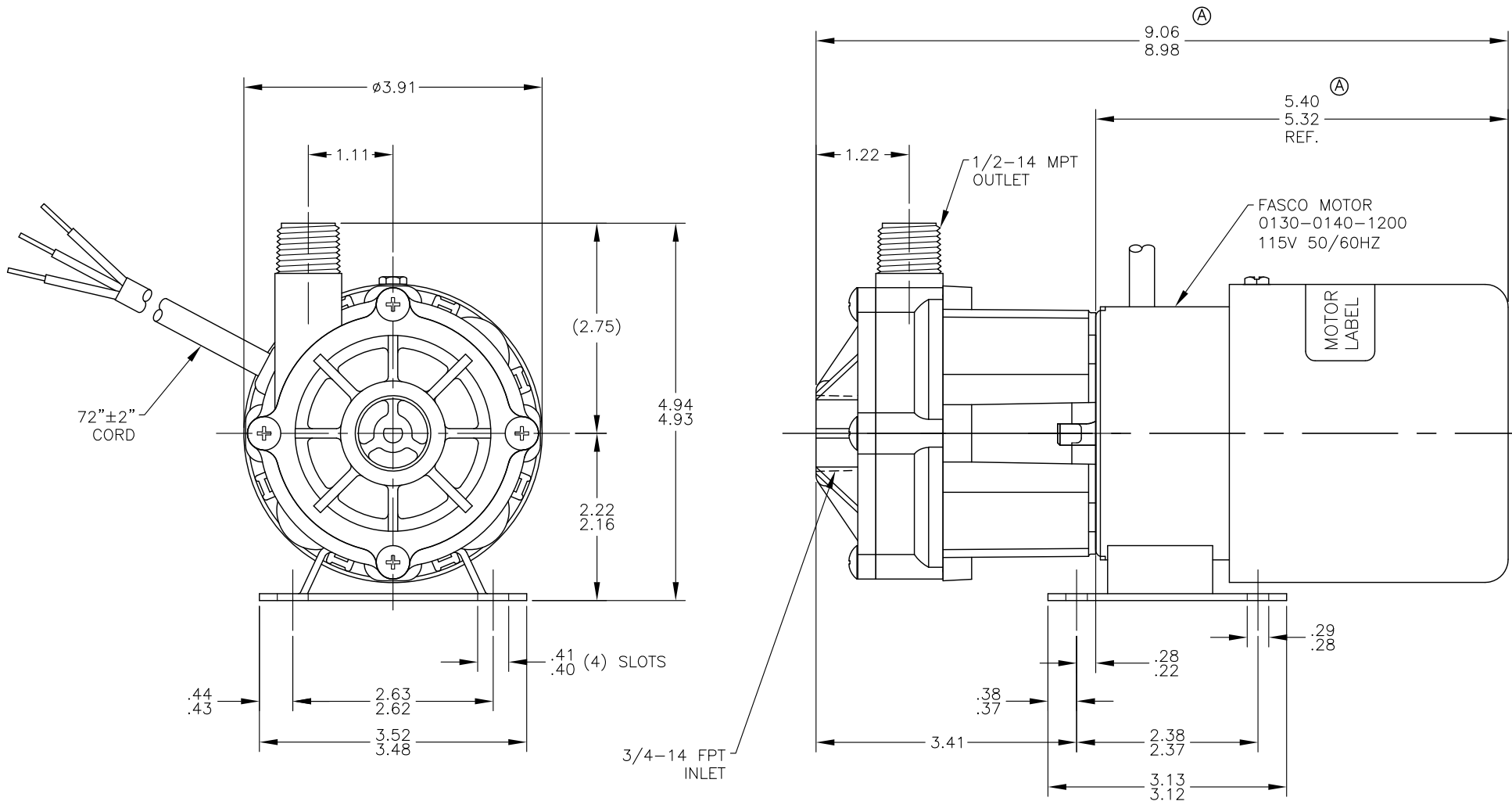


LIMITED WARRANTY:

March pumps are guaranteed only against defects in workmanship or materials for a period of one year from date of manufacture pumping water. For the complete warranty and to register online go to www.marchpump.com/warranty-registration

SPECIFICATIONS	AC-3CP-MD	AC-3AP-MD	BC-3CP-MD	BC-3AP-MD	BC-3K-MD			
	Model Abbreviations	C: Threaded Inlet/Outlet, A: Smooth Inlet/Outlet, K: Kynar						
Max Flow	60Hz {10 gpm} - 50Hz {33 lpm}							
Max Head	60Hz {20.5 ft / 8.9 psi} - 50Hz {4.5 m}							
Inlet - Outlet	3/4" FPT - 1/2" MPT	3/4" OD - 3/4" OD	3/4" FPT - 1/2" MPT	3/4" OD - 3/4" OD	3/4" FPT - 1/2" MPT			
Max Internal Pressure	50 psi / 3.4 bar	50 psi / 3.4 bar	50 psi / 3.4 bar	50 psi / 3.4 bar	75 psi / 5 bar			
Liquid Temperature	190°F / 87°C Max							
Overall Pump Size (H x W x L)	115V	5" x 3.91" x 8.12" {12.7 x 9.9 x 20.6} cm	5" x 3.91" x 8.90" {12.7 x 9.9 x 22.6} cm	4.94" x 3.91" x 9.06" {12.5 x 9.9 x 23.0} cm	4.94" x 3.91" x 9.84" {12.5 x 9.9 x 25.0} cm	4.94" x 3.91" x 9.06" {12.5 x 9.9 x 23.0} cm		
	230V	5" x 4" x 8.77" {12.7 x 10.1 x 22.2} cm	5" x 4" x 9.55" {12.7 x 10.1 x 24.2} cm	4.94" x 3.91" x 9.06" {12.5 x 9.9 x 23.0} cm	4.94" x 3.91" x 9.84" {12.5 x 9.9 x 25.0} cm	4.94" x 3.91" x 9.06" {12.5 x 9.9 x 23.0} cm		
Packed Weight	115V	6.55 lbs / 2.97 kg	6.55 lbs / 2.97 kg	7.90 lbs / 3.58 kg	7.90 lbs / 3.58 kg	7.90 lbs / 3.58 kg		
	230V	7.50 lbs / 3.40 kg	7.50 lbs / 3.40 kg	8.10 lbs / 3.67 kg	8.10 lbs / 3.67 kg	8.10 lbs / 3.67 kg		
Models	AC-3CP-MD & AC-3AP-MD			BC-3CP-MD, BC-3AP-MD & BC-3K-MD				
	60Hz - 115V	60Hz - 230V	50Hz - 230V	60Hz - 115V	50Hz - 115V	60Hz - 230V	50Hz - 230V	
Motor Type	AC: Air Cooled			BC: Blast Cooled				
Rating / Duty	U.L. listed motor / Continuous			U.L. listed motor / Continuous				
1Ph	Watts - Amps	150 - 2.3	134 - 0.9	141 - 1.0	146 - 2.1	152 - 2.4	139 - 1.0	141 - 1.1
	Hp / Kw - Rpm	1/15 - 3450	1/15 - 3450	0.049 - 2850	1/14 - 3450	0.053 - 2850	1/15 - 3450	0.049 - 2850
Electrical Connection	3 ft (0.9 m) Cord		6 ft (1.8 m) Cord		6 ft (1.8 m) Cord			
Materials in Contact with Solution:	AC-3CP-MD & AC-3AP-MD:		Polypropylene, Ceramic, Buna N, Ceramic Magnet		BC-3K-MD: Kynar/Carbon Filled, Ceramic, Viton			
	BC-3CP-MD & BC-3AP-MD:		Polypropylene, Ceramic, Viton					

All specifications & data are based on pumping water & are intended as a guideline only. Specifications may vary with different motors.



UNLESS NOTED OTHERWISE ALL DIMS. ARE IN INCHES. DIMS. TOL. 0.000 ±0.005 0.00 ±0.03 FRACTIONS ±1/64 ANGLES ±1°	MARCH MFG. INC. 1819 PICKWICK AVE. GLENVIEW, ILLINOIS		DRAWN BY JERRY	CHKD BY HANS	FINISH	DRWG SIZE C-17x22	A	JBT	06/19/14	5.40/5.32 was 5.26/5.25. 9.06/8.98 was 8.91/8.90
			DATE 12/13/13	DATE 12/13/13	MOLD NO.	TOOL NO.	FIXTURE NO.	REV.	INITIALS	DATE
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PART NAME Dimensional Assy BC-3CP-MD 115V 50/60HZ (w/Fasco Mtr)							CUSTOMER			
MATERIAL							PART NO. 0130-0018-0300 d3			
REV. A							REV. A			

Rotameters

Type 807 Rotameter - Polysulphone Complete Assembly PVC Socket Ends, FPM Seals, Short Tube

C



Size [inch]	Standard Float Part No.	Magnetic Float Part No.	Flow Range [gal/min]
3/8	198 807 602 ^	198 807 612 ^	0.01-0.11
3/8	198 807 603 ^	198 807 613 ^	0.02-0.22
3/8	198 807 604 ^	198 807 614 ^	0.04-0.44
1/2	198 807 605 ^	198 807 615 ^	0.03-0.33
1/2	198 807 606 ^	198 807 616 ^	0.06-0.66
1/2	198 807 607 ^	198 807 617 ^	0.08-0.88
1	198 807 608 ^	198 807 618 ^	0.06-0.66
1	198 807 609 ^	198 807 619 ^	0.13-1.32
1	198 807 610 ^	198 807 620 ^	0.22-2.20
1	198 807 611 ^	198 807 621 ^	0.44-4.40

Type 807 Rotameter - Polysulphone Complete Assembly PVC Socket Ends, FPM Seals, Standard Tube

C



Size [inch]	Standard Float Part No.	Magnetic Float Part No.	Flow Range [gal/min]
1	198 807 586 ^	198 807 594 ^	0.22-2.20
1	198 807 587 ^	198 807 595 ^	0.44-4.40
1 1/2	198 807 588 ^	198 807 596 ^	1.30-13.0
1 1/2	198 807 589 ^	198 807 597 ^	2.60-26.0
2	198 807 590 ^	198 807 598 ^	4.40-44.0
2	198 807 591 ^	198 807 599 ^	6.60-66.0
2 1/2	198 807 592 ^	198 807 600 ^	8.80-88.0
2 1/2	198 807 593 ^	198 807 601 ^	13.2-132.0

^ = 40% Restock Charge
* = Non-Cancelable/Non-Returnable

Bourdon Tube Pressure Gauge Stainless Steel Case Type 212.53 - Dry Case Type 213.53 - Liquid-filled Case

WIKA Datasheet 21X.53

Applications

- Intended for adverse service conditions where pulsating or vibration exists (with liquid filling)
- Hydraulics & compressors
- Suitable for gaseous or liquid media that will not obstruct the pressure system

Product Features

- Vibration and shock resistant (with liquid filling)
- Stainless steel case
- Pressure ranges up to 15,000 psi (1000 bar)
- FlexWindow™ option with integrated pressure compensation and 100% case fill*

Specifications

Design

ASME B40.100 & EN 837-1

Sizes

2", 2½" & 4" (50, 63 & 100 mm)

Accuracy class

2" & 2½": ± 2/1/2% of span (ASME B40.100 Grade A)

4": ± 1% of span (ASME B40.100 Grade 1A)

Ranges

Vacuum / Compound to 200 psi (16 bar)

Pressure from 15 psi (1 bar) to 15,000 psi (1000 bar)

Pressure from 15 psi (1 bar) to 10,000 psi (690 bar) - 2" size or other equivalent units of pressure or vacuum

Working pressure

2 & 2½": Steady: ¾ full-scale value

Fluctuating: ⅔ full-scale value

Short time: full-scale value

4": Steady: full-scale value

Fluctuating: 0.9 x full-scale value

Short time: 1.3 x full-scale value



Bourdon Tube Pressure Gauge Model 21X.53

Operating temperature

Ambient: -4°F to +140°F (-20°C to +60°C) - dry

-4°F to +140°F (-20°C to +60°C) - glycerine filled

-40°F to +140°F (-40°C to +60°C) - silicone filled

Medium: +140°F (+60°C) maximum

Temperature error

Additional error when temperature changes from reference temperature of 68°F (20°C) ±0.4% of span for every 18°F (10°K) rising or falling.

Ingress protection

IP65 per EN 60529 / IEC 60259

IP66 (NEMA 4) with FlexWindow™ option (2-1/2" only)

Pressure connection

Material: copper alloy

Lower mount (LM) or center back mount (CBM) - 2" & 2½"

Lower mount (LM) or lower back mount (LBM) - 4"

⅛" NPT, ¼" NPT or ½" NPT limited to wrench flat area ABS (2" & 2½") and white aluminum (4")

Bourdon tube

2" (50 mm) ≤ 870 psi (60 bar): C-shape copper alloy
2" (50 mm) > 870 psi (60 bar): Helical copper alloy
2½" (63 mm) ≤ 870 psi (60 bar): C-shape copper alloy
2½" (63 mm) > 870 psi (60 bar): Helical copper alloy
2½" (63 mm) > 6000 psi (400 bar): Helical stainless steel
4" (100 mm) ≤ 1000 psi (70 bar): C-shape copper alloy
4" (100 mm) > 1000 psi (70 bar): Helical stainless steel

Movement

Copper alloy

Dial

White ABS (2" & 2½") and white aluminum (4")

Pointer

Black aluminum

Case

304 stainless steel with vent plug for ranges ≤ 300 psi (FlexWindow™ option without vent plug) and stainless steel crimp ring.

Case connection sealed with O-ring, (O-ring material dependent on the case fill):

- 2½": EPDM O-ring for Glycerine case fill; Viton O-ring for Silicone fill
- 4": EPDM O-ring for Glycerine or Silicone case fill; Viton O-ring for Halocarbon or Fluorolube fill

Window

Polycarbonate with Buna-N gasket (standard)
Laminated Safety Glass with Buna-N gasket
FlexWindow™ (Clear liquid silicone rubber) with integrated gasket

Case fill

Type 213.53 - Glycerin
Glycerin/Water

100% Case fill with integrated pressure compensation with FlexWindow™ option (only available in 2-1/2" and only with Glycerin and Glycerin/Water case fill)

Optional extras

- Brass restrictor
- Stainless steel front or rear flange - 2½" & 4"
- Zinc-plated steel or SS U-clamp bracket (field installable)
- External zero adjustment (2½" only, not available with FlexWindow™)
- Red drag pointer or mark pointer option: (2-1/2" & 4" only, not available with FlexWindow™)
- Silicone or Halocarbon oil case filling (not available with FlexWindow™)
- Special connections limited to wrench flat area
- Custom dial layout
- Other pressure scales available
bar, kPa, MPa, kg/cm² and dual scales

Materials: PVC, CPVC, Natural Polypropylene, PVDF

Marquest Scientific's complete line of TUFF GUARD gauge and instrument isolators are engineered to provide total isolation of all instruments from corrosive and ultra pure fluids while offering a design with the most rugged features in the industry..

Features & Benefits

- Provides a compatible, protective barrier between process fluids and instruments
- Adds system reliability by eliminating instrument failures
- SS reinforcement of the instrument connection to prevent fracturing associated with metal to plastic threads. Integrally molded into port
- Integral wrench provisions for field service
- Diaphragms in Modified PTFE, Viton®, EPDM, and Composite PTFE/FKM for each application
- Displacement capacity for up to 4" diameter gauges and and large fill volume sensors
- Self-venting, 1/4" & 1/2" female NPT instrument connections with Viton® O-ring instrument seal



SERIES TG-25S-PVC
2.5" ECONOMY GAUGE
1/2" Fem NPT Inlet
PVC Body



SERIES TG-25SB-CPV
2.5" STAINLESS/BRASS GAUGE
1/2" Fem NPT Inlet
CPVC Body



SERIES TG-25SS-PVD
2.5" ALL STAINLESS GAUGE
1/2" Fem NPT Inlet
PVDF Body

(†) Please see backside of data sheet for ordering info, including configuration & material options.

Specifications

Instrument Connection: Venting 1/4" & 1/2" Female NPT

Process Connections: 1/4" & 1/2" Fem NPT, Soc "Slip"

Materials of Construction:

Housing: PVC, CPVC, Polypropylene, PVDF

Diaphragm: Modified PTFE, Viton®, EPDM, & Composite PTFE/FKM

Working Pressure: 0 - 250 psi at 70 Deg F.

Codes & Standards: ARRA Section 1605 "Buy American" Compliant. ASME A112.18.1M

Markets / Applications

- Wastewater Treatment
- Semiconductor Manufacturing
- Chemical Plants
- Chemical Feed Systems
- Food & Beverage
- Wet Processing
- Chemical Odor Control
- PCB Manufacturing
- Pharmaceutical Processing



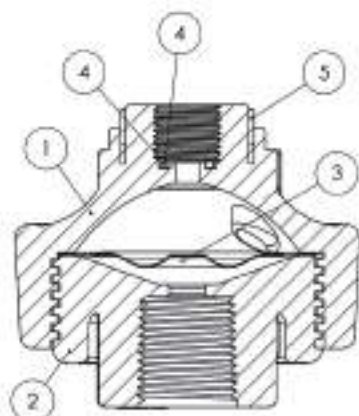
Where Quality Meets Service & Value™



MARQUEST SCIENTIFIC
Fluid Handling Products

Dimensional Data / Parts List

Fig. 1-1



ITEM NO.	DESCRIPTION	QTY
1	Upper Chamber	1
2	Lower Chamber	1
3	Diaphragm	1
4	O-Ring, Instrument Seal, FKM	1
5	Ring, Reinforcing 316 SS	1

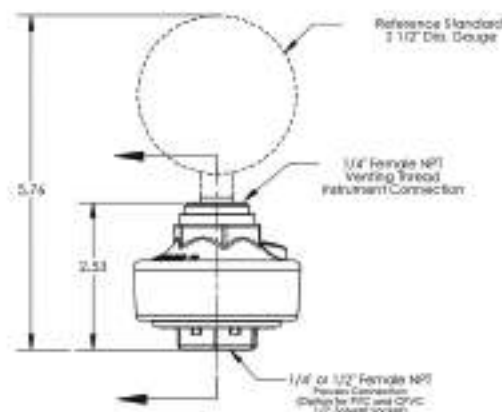
Pressure / Temperature Data

WORKING PRESSURES PSI

Material	10°C	20°C	30°C	40°C	50°C	60°C	70°C	80°C	90°C	100°C	120°C	Net Weight Ounces*
	50°F	68°F	86°F	104°F	122°F	140°F	158°F	176°F	194°F	212°F	248°F	
PVC	200	250	250	220	140	135	---	---	---	---	---	6.2
CPVC	230	250	250	230	200	200	150	120	60	---	---	6.4
PP	200	240	240	210	145	125	75	60	---	---	---	5.1
PVDF	240	250	250	250	250	230	220	200	160	140	80	7.2

WEIGHTS

Temperature Ranges: PVC: 14 to 140°F (10 to 60°C), CPVC: 50 to 194°F (10 to 90°C), PP: 46 to 176°F (8 to 80°C), PVDF: -22 to 248°F (-30 to 120°C). * Weights are for unfilled 1/4" Female NPT x 1/2" MNPT without gauges.



*Dimensions in inches

(1) Model TG-25 shown above with 2.5" diameter case dimension.

How to Order Tuff Guard

Part No: **TG - 2 5 T 060 SS - PVC**

DIAPHRAGM MATERIAL

- T = Modified PTFE
- V = Viton®
- E = EPDM
- C = Composite PTFE/FKM

MODEL	INSTRUMENT PORT	PROCESS INLET PORT	GAUGE PRESSURE RANGE*	GAUGE INSTALLED	BODY MATERIAL
Tuff Guard	2 = 1/4" Vented Female NPT 5 = 1/2" Vented Female NPT (1) Viton FKM O-ring seal is used for sealing instrument to thread. Zero pressure build during instrument install.	2 = 1/4" Female NPT 5 = 1/2" Female NPT 25 = 1/4" Solvent Soc 55 = 1/2" Solvent Soc	XXX = No Gauge Installed H030 = 0-30 in Hg Vacuum 015 = 0-15 PSI 030 = 0-30 PSI 060 = 0-60 PSI 100 = 0-100 PSI 160 = 0-160 PSI 200 = 0-200 PSI 300 = 0-300 PSI	LEAVE BLANK = No Gauge 5 = Standard 2.5" Black Painted Steel Case, Marquest, Dry Case, 2-3-2% Accuracy SB = Stainless Case / Brass Internals 2.5" Wika 212.53, Glycerin Filled Case, 2.5% Accuracy SS = All Stainless 2.5" Ashcroft 1008s, Glycerin Filled Case, 1.5% Accuracy	PVC = Polyvinyl Chloride CPV = CPVC, Chlorinated Polyvinyl Chloride PPR = Reinforced, Glass Filled Polypropylene PVD = 100% HP Virgin PVDF

Example: TG-25T060SS-PVC (Gauge Installed)
PVC Tuff Guard Isolator, 1/2" Female NPT Inlet, Modified PTFE Diaphragm, 0-60 PSI All Stainless 2.5" Dia. Ashcroft 1008s Glycerin Filled Gauge Installed, Assembly Tested.

Example: TG-22CXXX-PVDF (No Gauge Installed)
PVDF Tuff Guard Isolator, 1/4" Vented Female NPT x 1/4" Female NPT Inlet, PTFE/FKM Composite Diaphragm, No Gauge Installed

(1) Assemblies with gauge installed have an Aqueous Glycerin (70% USDA 99.5% Glycerin / 30% Distilled Water) internal fill in the upper chamber and gauge stem internals. Silicone & Halocarbon fills available. Units ordered with out an instrument, need to be filled per installation instructions.

(1) Only specify pressure range when ordering with a gauge installed. When ordering a unit with no gauge installed, please place "XXX".

(2) We offer offer both dual scale and compound pressure ranges. Please contact factory.

(1) We offer a variety of other gauge & instrument options from Ashcroft, Wika, & US Ametek including 3.5", 4" Dial Sizes. The Tuff Guard is also perfectly suited for a variety of pressure sensors. Please contact factory.

Marquest Scientific, Inc.
2950 Airway Avenue, Costa Mesa, 92626 California
Toll Free 866 452 2349 Fax 714 491 9199
www.marquestscientific.com | www.GaugeGuards.com

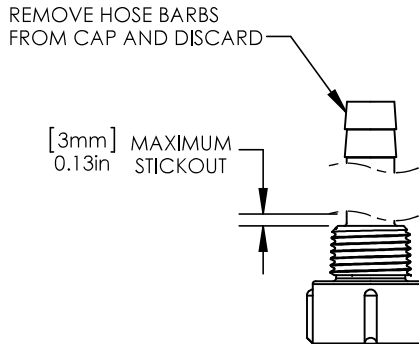
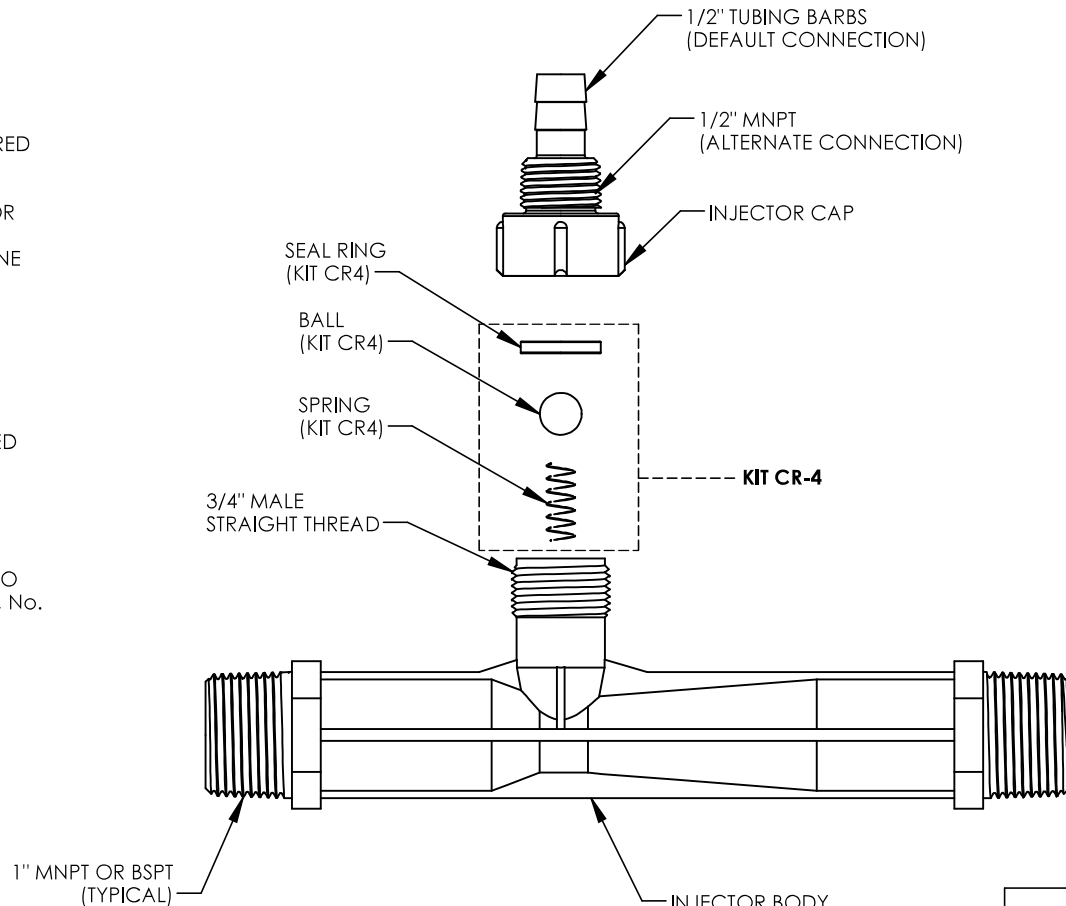


MARQUEST SCIENTIFIC
YOUR HANDLING PARTNER

NOTES:

1. MADE IN THE U.S.A.
2. U.S. PATENT No. 5,863,128
3. U.S. No. 3,852,076 AND INTERNATIONAL REGISTERED TRADEMARKS
4. MATERIAL: GLASS FILLED POLYPROPYLENE (PP) OR POLYVINYLIDENE FLUORIDE (PVDF) OR NATURAL POLYVINYLIDENE FLUORIDE (N-PVDF) OR ETHYLENE CHLOROTRIFLUOROETHYLENE (ECTFE).
5. INLET/OUTLET CONNECTION:
1" MNPT OR BSPT
6. SUCTION PORT CONNECTION:
DEFAULT - 1/2" I.D. TUBING BARB WITH INTEGRATED CHECK VALVE

ALTERNATE - 1/2" MNPT - SEE ALTERNATE CAP MODIFICATION DETAIL
7. FOR INSTALLATION RECOMMENDATIONS REFER TO MAZZEI TECHNICAL BULLETINS No. 4, No. 5, No. 6, No. 10 AND No. 11, WHICH CAN BE FOUND AT WWW.MAZZEI.NET.
8. MAZZEI INJECTOR CO., LLC.
500 ROOSTER DR.
BAKERSFIELD, CA 93307
TEL: 661.363.6500
WEB: WWW.MAZZEI.NET

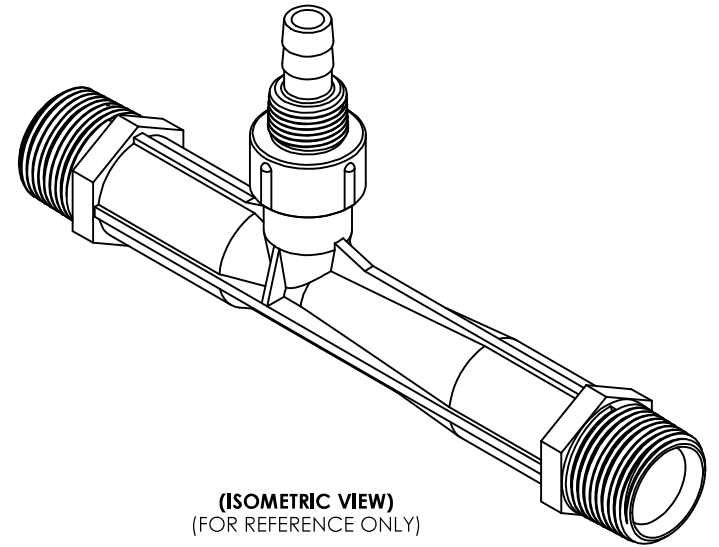


"CAP MODIFICATION DETAIL"
(ALTERNATE)

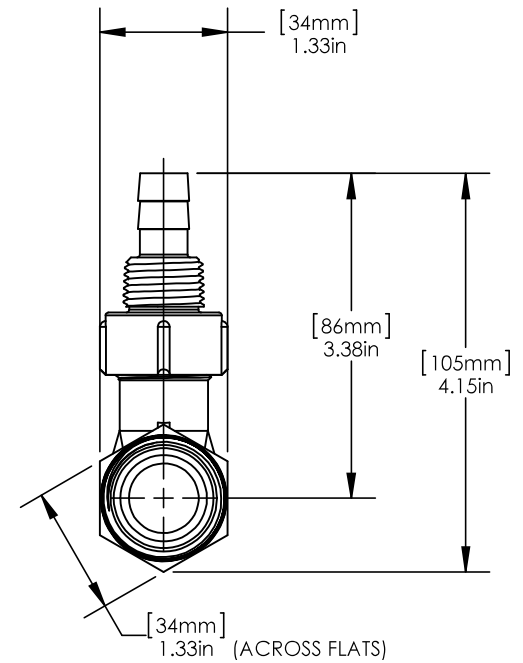
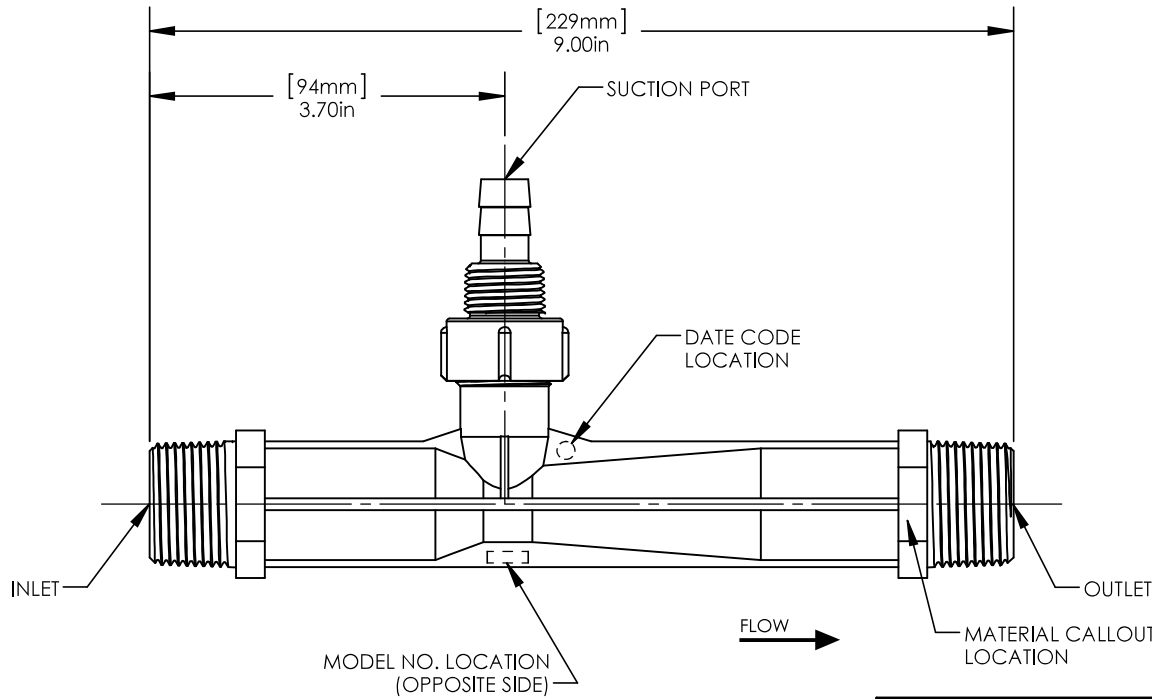
INJECTOR BODY
MAZZEI PART NO.'S
1078 3 PP
1078 3 PVDF
1078 3 N-PVDF
1078 2 ECTFE
ISO 1078 3 GRPP
ISO 1078 3 PVDF
ISO 1078 2 ECTFE

KIT CR-4	
TITLE	MATERIAL
BALL	TEFLON® (PTFE)
SEAL RING	KEL-F® (PCTFE)
SPRING	HASTELLOY C-22

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			TITLE: 1" INJECTOR; MODEL 1078 3		
DRAWN: T. JOHNS	DATE: 7/19/2013		DRAWING NO.: 1078 3		
APPROVED: P. BANKOWSKI	SIZE: A	WEIGHT: N/A	SCALE: 1:2	REV.: B	SHEET: 1 OF 2



(ISOMETRIC VIEW)
(FOR REFERENCE ONLY)



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			TITLE: 1" INJECTOR; MODEL 1078 3		
DRAWN: T. JOHNS	DATE: 7/19/2013		DRAWING NO.: 1078 3		
APPROVED: P. BANKOWSKI	SIZE: A	WEIGHT: N/A	SCALE: 1:2	REV.: B	SHEET: 2 OF 2

Line Strainer Type 306

Standard Features

- Condition of screens clearly visible from outside
- Screens easily removed for cleaning

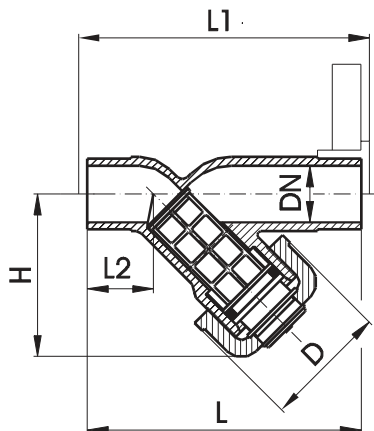


General

The Line Strainer Type 306 is suitable for protecting valves, pumps, and other equipment against solid particles. It is available in transparent PVC in sizes ½" through 3".

Installation position is dependent on flow direction. Screens can be removed and cleaned without removing strainer from line.

Dimensions Line Strainer Type 306



Inch	DN [inch]	PSI	kg	D [inch]	L [inch]	L1 [inch]	L2 [inch]	H [inch]
½	0.59	150	0.243	1.69	5.63	5.87	1.46	2.56
¾	0.79	150	0.375	1.85	6.30	6.54	1.77	2.99
1	0.98	150	0.562	2.20	6.85	7.09	1.85	3.54
1¼	1.26	150	0.902	2.52	7.40	7.64	2.09	4.09
1½	1.57	150	1.400	3.23	8.07	8.31	2.13	4.88
2	1.97	150	2.205	3.74	8.86	9.09	2.48	5.83
3	3.15	150	6.173	4.72	12.24	12.64	3.54	8.07

SECTION 8.9

SPARE PARTS



Project Name: Pyramid WTP, Unalaska, AK

Project Number: 921011

SPARE PARTS LIST

- (1) Cell Level Switch
- (1) Cell Temperature Sensor
- (1) Cell Temperature Switch
- (1) Air Flow Switch
- (1) Brine Pump
- (2) Solenoid Valve

SECTION 9.0

INSTRUMENTATION AND CONTROLS

- 9.1 Control Philosophy
- 9.2 Electrical Control Panels
- 9.3 Transformer Rectifier
- 9.4 Instrumentation

SECTION 9.1

CONTROL PHILOSOPHY

Microclor[®] OSHGs operate in a batch process to maintain adequate storage volume for plant use. When the storage tank level decreases to a trigger point requiring storage tank replenishment, the OSHG will commence generation at nameplate rating until the storage tanks are full. The start and stop level setpoints are user controlled to provide flexibility for plant operators.

Sodium hypochlorite production is accomplished by feeding an array of electrolytic cells a mixture of softened water and brine while applying a fixed DC voltage to the anode and cathode plates. The generation power consumption is optimally maintained for peak efficiency by modulating the brine flow while keeping water flow DC voltage constant. By modulating the brine flow the conductivity of the electrolyte can be increased or decreased to maintain cell amp density at 1.33 ASI at all times.

Startup Sequence:

1. A start request is triggered when hypochlorite storage tank level has decreased to the start setpoint or the operator has manually requested a generation start while the hypo tank is not above the stop setpoint.
2. Cell level switches are checked to ensure complete submersion of the cells in electrolyte. Level switches are installed on each of the cell loops to provide a high degree of redundancy.
3. Temperature switches on initial cell loops and the final effluent cell loop temperature transmitter are monitored. If a temperature switch trips or the effluent temperature exceeds the set limits, generation is immediately halted and a five-minute cooling cycle starts.
4. Dilution blowers are started. The Microclor[®] control strategy monitors the blower startup sequence to ensure proper operation of each dilution blower:
 - a. The blower motor current switch has transitioned from OFF to ON. First, this ensures that the current switch is changing states properly when given a run command. Secondly, this validates that power is being applied to the blower, therefore, no disconnects or protection circuits are in the OFF or TRIPPED position.
 - b. The air flow switch has transitioned from OFF to ON. Again, this validates the air flow switch is changing state after the blower has been sent a RUN command. Air flow switches require adjustment over time and, if adjustment is not carried out properly, can result in an air flow switch stuck in the ON state falsely reporting dilution air flow. The Microclor[®] strategy ensures that the generation process will not start unless proper dilution blower operation is verified.
5. Water supply valve is opened and brine pump commences feeding brine at a fixed starting speed. Water flow is verified to be within operating ranges after measurements have stabilized.
6. Rectifier power is applied to the electrolytic cells in the following process:
 - a. Primary rectifier power contactor is engaged. Cooling fans are enabled. No power is applied to the cells yet.
 - b. The soft start circuit is engaged. The soft start resistors minimize electrical inrush from the distribution power.

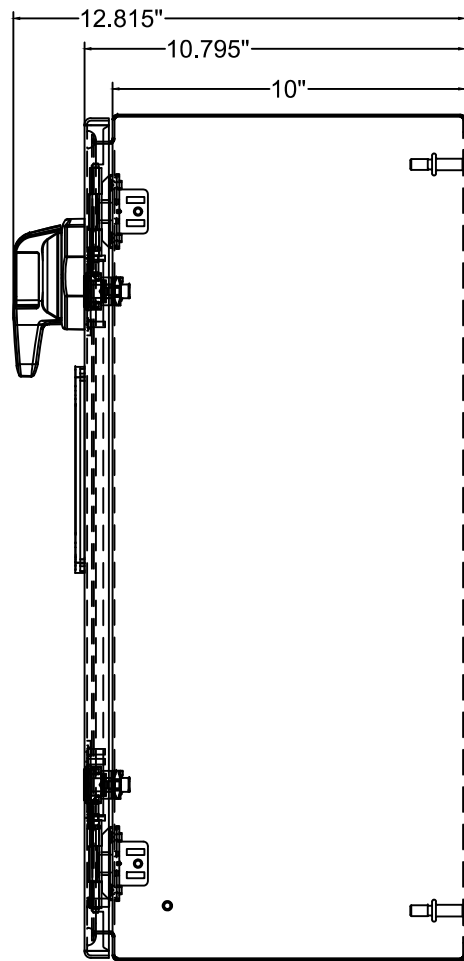
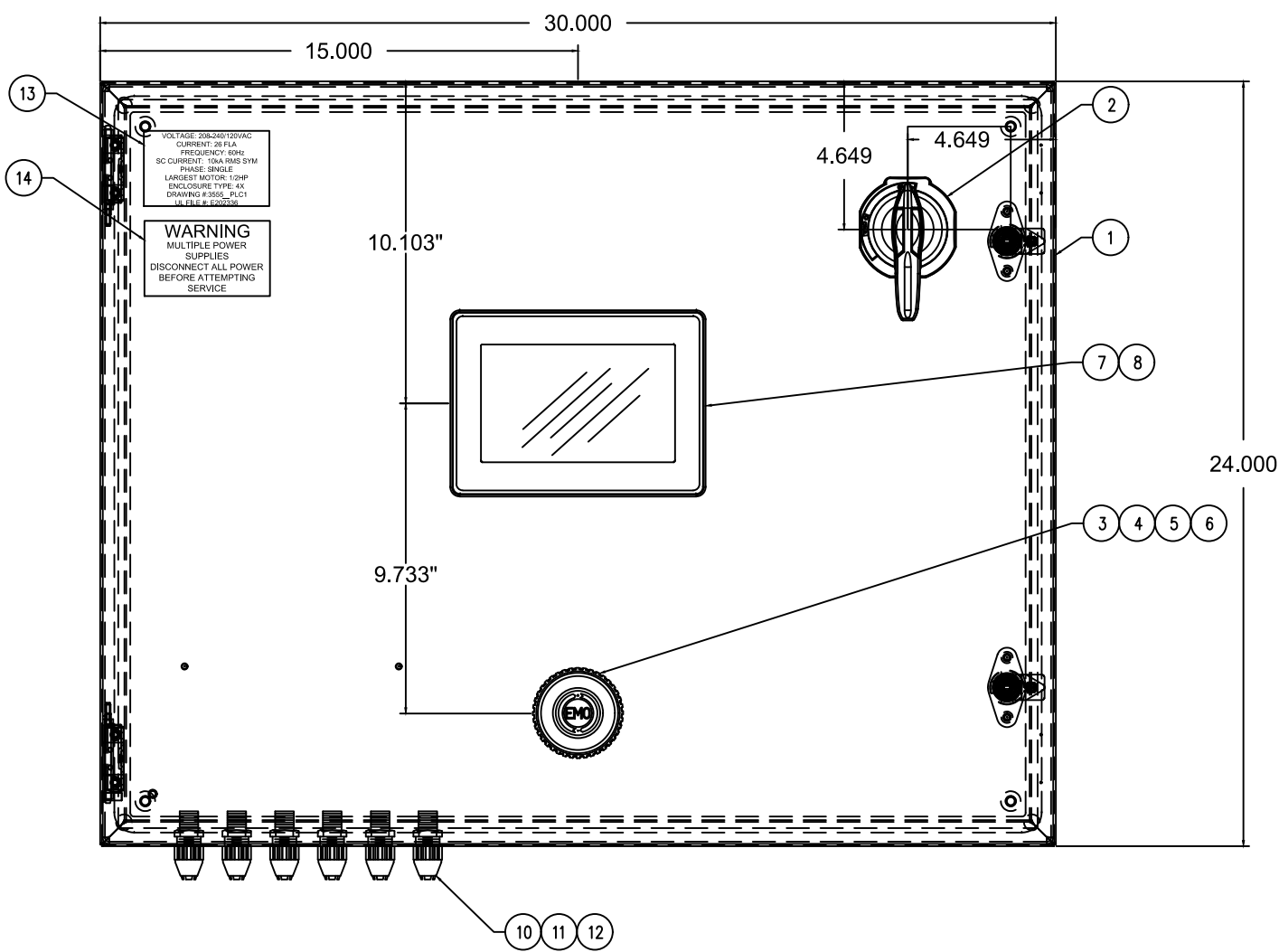
- c. The bypass contactor is engaged. This applies full power to the cells.
- d. The soft start circuit is disengaged.
7. The Microclor[®] system now enters a warm-up period. If the process has started in a low amperage condition, the low amp alarms will be disabled for a period of five minutes to allow the system temperature to increase and increase amperage by increasing brine speed.
8. Full power system operation. The brine pump changes from a fixed start speed and is now being modulated to maintain nominal amperage through the system. The system will continue full power operation until the hypo storage tank is filled.

Operators can interact with the Microclor[®] OSHG via the skid mounted control panel's HMI. The HMI provides system control in addition to displaying key system performance indicators and overview of the system process. Alarm messages and help screens assist operators with troubleshooting and maintaining proper system operation. Trend screens of key process variables can be viewed to observe performance and aid in troubleshooting. The HMI allows operators to observe the states and operation of all equipment controlled by the Microclor[®] OSHG. If needed, password protected system setpoints can be adjusted for the following parameters:

- Hypochlorite generation start/stop setpoints
- Electrolytic cell amperage setpoint
- Brine pump min/max speeds and starting speed setpoints
- Cell amperage alarm setpoints
- Cell water flow alarm setpoints
- Hypochlorite storage tank level alarm setpoints

SECTION 9.2

ELECTRICAL CONTROL PANELS

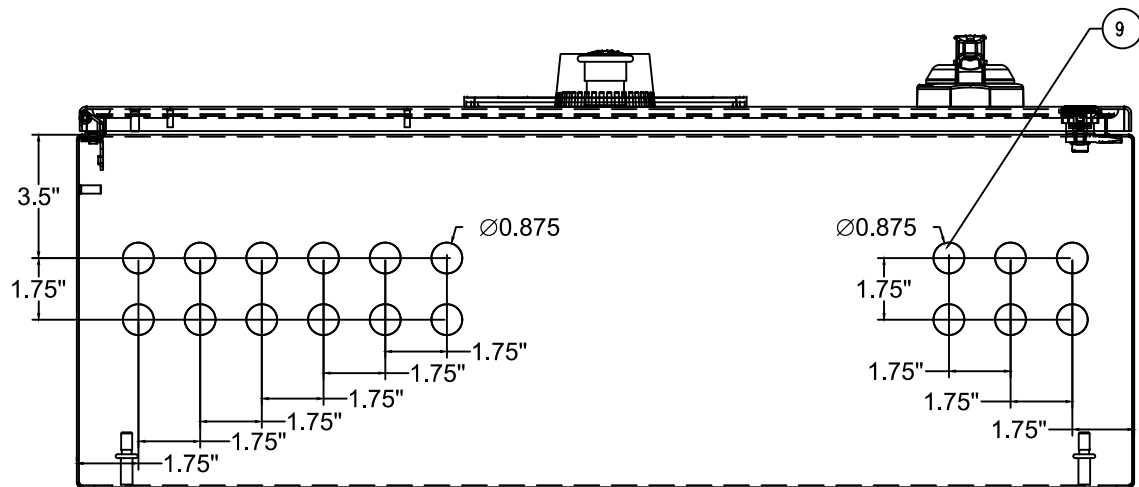


NAME PLATE

VOLTAGE: 208-240/120VAC
 CURRENT: 26 FLA
 FREQUENCY: 60Hz
 SC CURRENT: 10kA RMS SYM
 PHASE: SINGLE
 LARGEST MOTOR: 1/2HP
 ENCLOSURE TYPE: 4X
 DRAWING #: 3555_PL1
 UL FILE #: E202336

WARNING

WARNING
 MULTIPLE POWER
 SUPPLIES
 DISCONNECT ALL POWER
 BEFORE ATTEMPTING
 SERVICE



ITEM	REF	DESCRIPTION	MFG	PART#	QTY
1	ENCL	ENCLOSURE 24X30X10 NEMA 4X 304SS	HOFFMAN	CSD24310SS	1
2	DS1	DISCONNECT LOAD SWITCH OPERATING HANDLE	ALLEN BRADLEY	194R-PY	1
3	EMO	EMERGENCY OFF PUSH/PULL MUSHROOM HEAD 40MM	SCHNEIDER ELECTRIC	ZB4BS84430	1
4	EMO	EMERGENCY OFF NC CONTACT BLOCK	SCHNEIDER ELECTRIC	ZBE102	2
5	EMO	EMERGENCY OFF MOUNTING BASE	SCHNEIDER ELECTRIC	ZB4BZ009	1
6	EMO	EMERGENCY OFF FINGER GUARD	SCHNEIDER ELECTRIC	ZB4BZ1905	1
7	HMI	MAGELIS 7" TFT COLOR TOUCH PANEL NEMA 4X RS232/ ETHERNET 24VDC	SCHNEIDER ELECTRIC	HMIDT351	1
8	HMI	MAGELIS HMI BASE	SCHNEIDER ELECTRIC	HMIG3U	1
9	PLUGS	1/2" KNOCKOUT PLUGS STAINLESS STEEL NEMA 4X	HOFFMAN	AS050SS	6
10	CORD	1/2" CORD CONNECTORS	OLFLEX	S1212	12
11	CORD	1/2" STEEL LOCKNUT	T&B	141	12
12	CORD	1/2" NEOPRENE GASKET WITH STAINLESS STEEL RETAINER	T&B	5262	12
13	LBL	CUSTOM NAMEPLATE LABEL	PHOENIX CONTACT	0828807	1
14	LBL	CUSTOM WARNING LABEL	PHOENIX CONTACT	0828909	1

TO MAINTAIN UL508A RATING, INCOMING POWER WIRES MUST BE COPPER AND BE RATED AT A MINIMUM OF 60 DEG. C. IF SERVICE IS GREATER THAN 100A WIRES MUST BE RATED AT A MINIMUM OF 75 DEG. C. TO MAINTAIN THE ENVIRONMENTAL RATING OF THIS ENCLOSURE, IN OPENINGS INSTALL ONLY LISTED OR RECOGNIZED CONTROL DEVICES WITH THE SAME ENVIRONMENTAL RATING AS THE ENCLOSURE

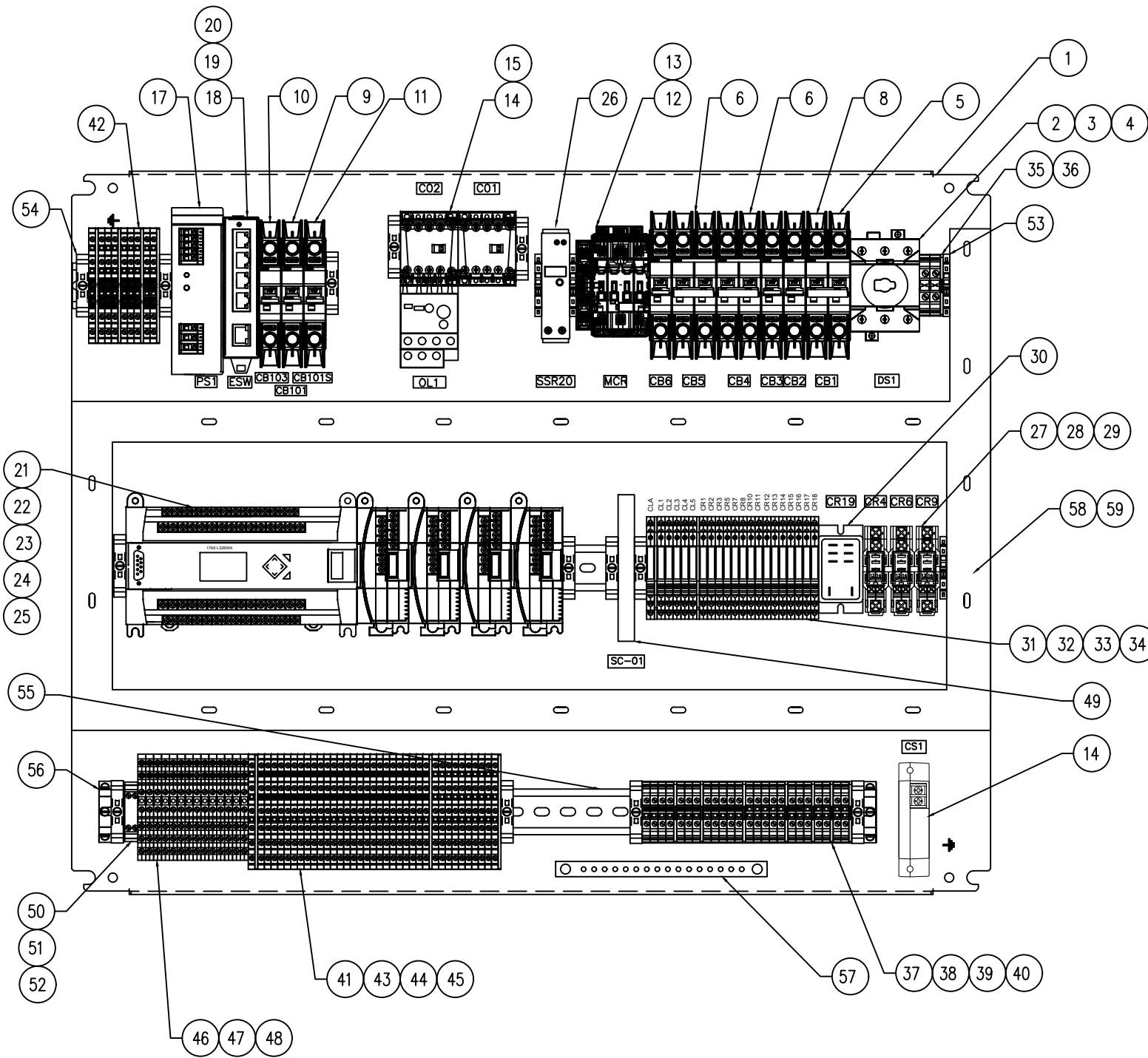
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 FAX No: (209) 599-1793 WEB SITE: www.icsonline.com

UNALASKA, AK
 PYRAMID WTP
 PSI WATER TECHNOLOGIES INC.
 550 SYCAMORE DRIVE
 MILPITAS, CA

MICROCLOR ON-SITE HYPOCHLORITE
 GENERATION SYSTEM MC160
 CONTROL PANEL
 ENCLOSURE LAYOUT

SIZE: B C
 ICS JOB No: 3555
 DWG No: 3555_PL1_100
 SCALE: N/A
 SHEET: 1 OF 1



ITEM	REF	DESCRIPTION	MFG	PART#	QTY
1	PNL	BACK PANEL 30X24	HOFFMAN	CP3024	1
2	DS1	DISCONNECT SWITCH BODY 3-POLE 40A	ALLEN BRADLEY	194E-A40-1753	1
3	DS1	DISCONNECT SHAFT ADAPTER KIT	ALLEN BRADLEY	194E-NS-P	1
4	DS1	DISCONNECT SHAFT	ALLEN BRADLEY	194R-S1	1
5	CB1	CIRCUIT BREAKER 2-POLE 40A UL489 IC=10KA	ABB CONTROLS	SU202M-K40	1
6	CB4	CIRCUIT BREAKER 2-POLE 10A UL489 IC=10KA	ABB CONTROLS	SU202M-K10	1
7	CB5	CIRCUIT BREAKER 2-POLE 20A UL489 IC=10KA	ABB CONTROLS	SU202M-K20	1
8	CB2	CIRCUIT BREAKER 1-POLE 10A UL489, IC=10KA	ABB CONTROLS	SU201M-K10	1
9	CB3,6,101	CIRCUIT BREAKER 1-POLE 5A UL489, IC=10KA	ABB CONTROLS	SU201M-K5	3
10	CB103	CIRCUIT BREAKER 1-POLE 3A UL489, IC=10KA	ABB CONTROLS	SU201M-K3	1
11	CB101S	CIRCUIT BREAKER 1-POLE 1A UL489, IC=10KA	ABB CONTROLS	SU201M-K1	1
12	MCR	CONTACTOR 3-POLE 45A 120V COIL	ABB CONTROLS	AF26-30-10-13	1
13	MCR	CONTACTOR AUXILLARY SIDE MOUNT NO/NC	ABB CONTROLS	CAL4-11	1
14	CO1,2	CONTACTOR 3-POLE 12A 120VAC COIL	SCHNEIDER ELECTRIC	LC1K1210F7	2
15	OL1	MANUAL MOTOR PROTECTOR 600VAC 3.7-5.5A	SCHNEIDER ELECTRIC	LR2K0312	1
16	CS1	CURRENT SENSOR	NK TECHNOLOGIES	AS1-NOU-FT-GO	1
17	PS1	POWER SUPPLY 24VDC 5A UL508 115/230 VAC	PHOENIX CONTACT	2866310	1
18	ESW	ETHERNET SWITCH 5-PORT UNMANAGED	PHOENIX CONTACT	2891001	1
19	HMI	ETHERNET PATCH CABLE CAT 5E 7' WHITE	PANDUIT	NK5EPC7Y	1
20	HMI	ETHERNET PATCH CABLE CAT 5E 3' WHITE	PANDUIT	NK5EPC3Y	1
21	PLC	MICROLOGIX 1400 120VAC (20DI,12DO,4AI,2AO) W/ETHERNET	ALLEN BRADLEY	1766-L32BWAA	1
22	PLC	MICROLOGIX DIGITAL INPUT 8-POINT	ALLEN BRADLEY	1762-IQ8	1
23	PLC	MICROLOGIX DIGITAL OUTPUT 8-POINT	ALLEN BRADLEY	1762-OW8	1
24	PLC	MICROLOGIX ANALOG INPUT 4-POINT	ALLEN BRADLEY	1762-IF4	1
25	PLC	MICROLOGIX ANALOG OUTPUT 4-POINT	ALLEN BRADLEY	1762-OF4	1
26	SSR20	SOLID STATE RELAY W/ HEAT SINK DIN MT., 30A@250VAC	IDEC	RSCDN-30A	1
27	CR4,6,9	RELAY SPDT 16A 24VDC W/LED INDICATOR	SCHNEIDER ELECTRIC	RPM12BD	3
28	CR4,6,9	RELAY SPDT 24VDC BASE	SCHNEIDER ELECTRIC	RPZF1	3
29	CR4,6,9	RELAY SPDT 24VDC BASE CLAMP	SCHNEIDER ELECTRIC	RPZR235	3
30	CR19	DPDT, 24 VDC COIL, 24 VDC 30A CONTACTS, DIN RAIL OR PANEL MOUNT.	SCHNEIDER ELECTRIC	92S11D22D-24	1
31	CR1-3,5,7,8,10-18,CL1-CL5,CLA	RELAY SPDT 24VDC 6A/10A PEAK BLUE W/ LED	PHOENIX CONTACT	2966171	21
32	CR1-3,5,7,8,10-18,CL1-CL5,CLA	RELAY PARTITION PLATE	PHOENIX CONTACT	2966841	1
33	CR1-3,5,7,8,10-18,CL1-CL5,CLA	RELAY JUMPER	PHOENIX CONTACT	2966692	1
34	CR1-3,5,7,8,10-18,CL1-CL5,CLA	RELAY LABEL	PHOENIX CONTACT	0828736	1
35	TB1	SINGLE TIER NEUTRAL TERMINAL	PHOENIX CONTACT	3044160	1
36	TB1	SINGLE TIER GROUND TERMINAL	PHOENIX CONTACT	3044157	1
37	TB1	SINGLE TIER TERMINAL	PHOENIX CONTACT	3044102	25
38	TB1	SINGLE TIER TERMINAL END SECTION	PHOENIX CONTACT	3047028	8
39	TB1	SINGLE TIER TERMINAL JUMPER	PHOENIX CONTACT	3030271	2
40	TB1	SINGLE TIER TERMINAL LABELS	PHOENIX CONTACT	0828736	1
41	TB1	TRIPLE TIER TERMINAL	PHOENIX CONTACT	3214259	37
42	TB1	TRIPLE TIER TERMINAL INTERNALLY JUMPERED	PHOENIX CONTACT	3214262	8
43	TB1	TRIPLE TIER TERMINAL END SECTION	PHOENIX CONTACT	3214314	6
44	TB1	TRIPLE TIER TERMINAL JUMPER	PHOENIX CONTACT	3032127	2
45	TB1	TRIPLE TIER TERMINAL LABELS	PHOENIX CONTACT	0828734	1
46	TB1	TRIPLE TIER TERMINAL WITH GROUND	PHOENIX CONTACT	2718206	14
47	TB1	TRIPLE TIER TERMINAL WITH GROUND JUMPER	PHOENIX CONTACT	2715937	1
48	TB1	TRIPLE TIER TERMINAL WITH GROUND LABELS	PHOENIX CONTACT	0830768	1
49	SC-01	SIGNAL CONDITIONER T/C TO 4-20mA	PHOENIX CONTACT	2902857	1
50	TB1	THERMOELECTRIC VOLTAGE TERMINAL BLOCK PAIR, TC TYPE K, MTKD-NICR/NI	PHOENIX CONTACT	3100062	1
51	TB1	THERMOELECTRIC VOLTAGE TERMINAL BLOCK END SECTION	PHOENIX CONTACT	3101029	1
52	TB1	#20/2C TYPE K THERMOCOUPLE WIRE	OMNI CABLE	I4200KX	1
53	TB1	END STOP WIDTH: 0.20" CLAMP ON	PHOENIX CONTACT	3022276	4
54	TB1	END STOP WIDTH: 0.37" SCREW CLAMP	PHOENIX CONTACT	0800886	12
55	TB1	DIN RAIL (2 METERS OR 6.5') PRE-PUNCHED 35MM	PHOENIX CONTACT	0801733	1
56	TB1	BRACKET ANGLE SUPPORT	PHOENIX CONTACT	1201099	3
57	GND	GROUND BAR 14-CIRCUIT	CUTLER-HAMMER	GBK14	1
58	WIWAY	WIREDUCT 1"X3"X12"	PANDUIT	F1X3LG6	6
59	WIWAY	WIREDUCT COVER, 1"X12"	PANDUIT	C1LG6	6
60	MISC	MISC ITEMS - WIRE, MARKERS, FERRULES, HARDWARE	ICS	MISC	1

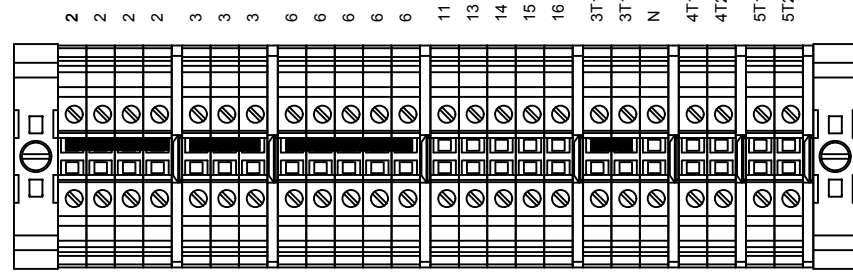
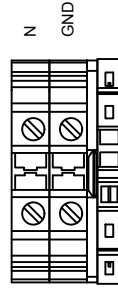
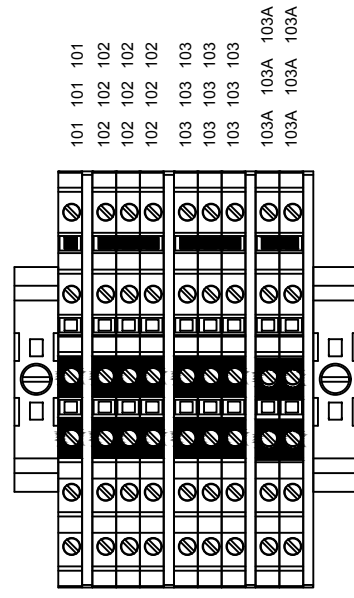
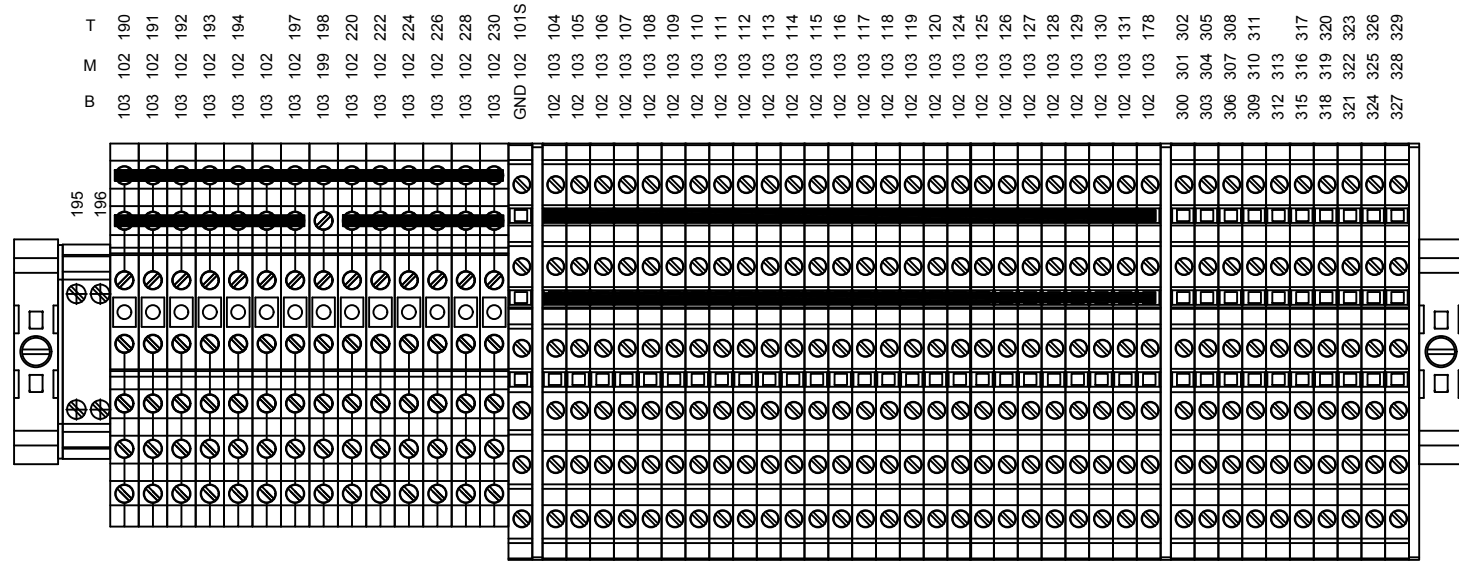
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UNALASKA, AK
PYRAMID WTP
PSI WATER TECHNOLOGIES INC.
 550 SYCAMORE DRIVE
 MILPITAS, CA

MICROCLOR ON-SITE HYPOCHLORITE
GENERATION SYSTEM MC160
CONTROL PANEL
BACK PANEL LAYOUT

SIZE:	B	REV:	C
ICS JOB No:	3555		
DWG No:	3555_PLC1_150		
SCALE:	N/A		
SHEET:	1 OF 2		



**MICROCLOR ON-SITE HYPOCHLORITE
GENERATION SYSTEM MC160
CONTROL PANEL
TERMINAL STRIP LAYOUT**

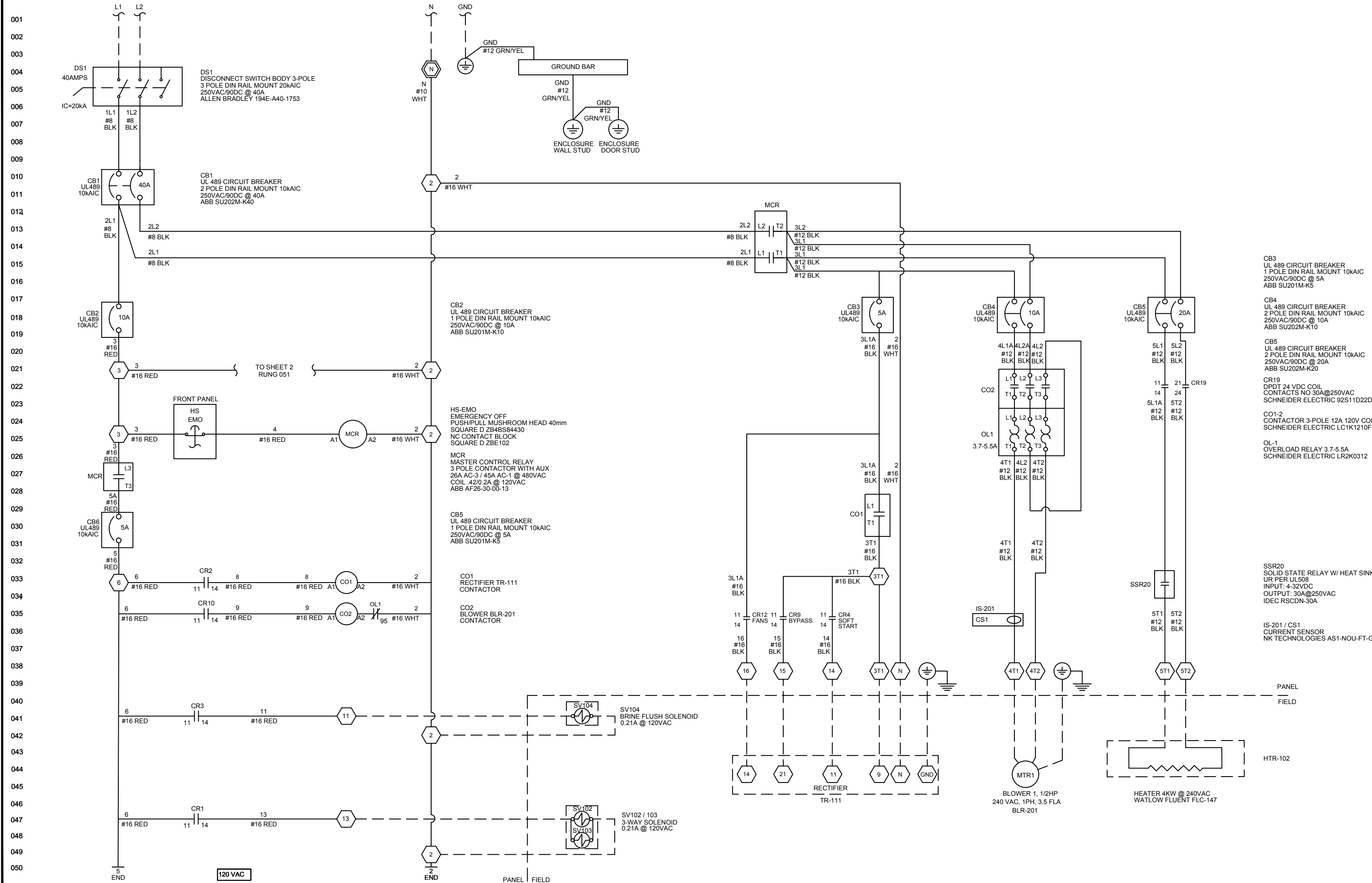
SIZE:	B	REV:	C
ICS JOB No:	3555		
DWG No:	3555_PLC1_150		
SCALE:	N/A		
SHEET:	2 OF 2		

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PSI WATER TECHNOLOGIES INC.
550 SYCAMORE DRIVE
MILPITAS, CA**

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208-240/120VAC, 40A, 26FLA, 1PH, MAX SHORT CIRCUIT CURRENT = 10kA MAX MOTOR LOAD = 1/2 HP



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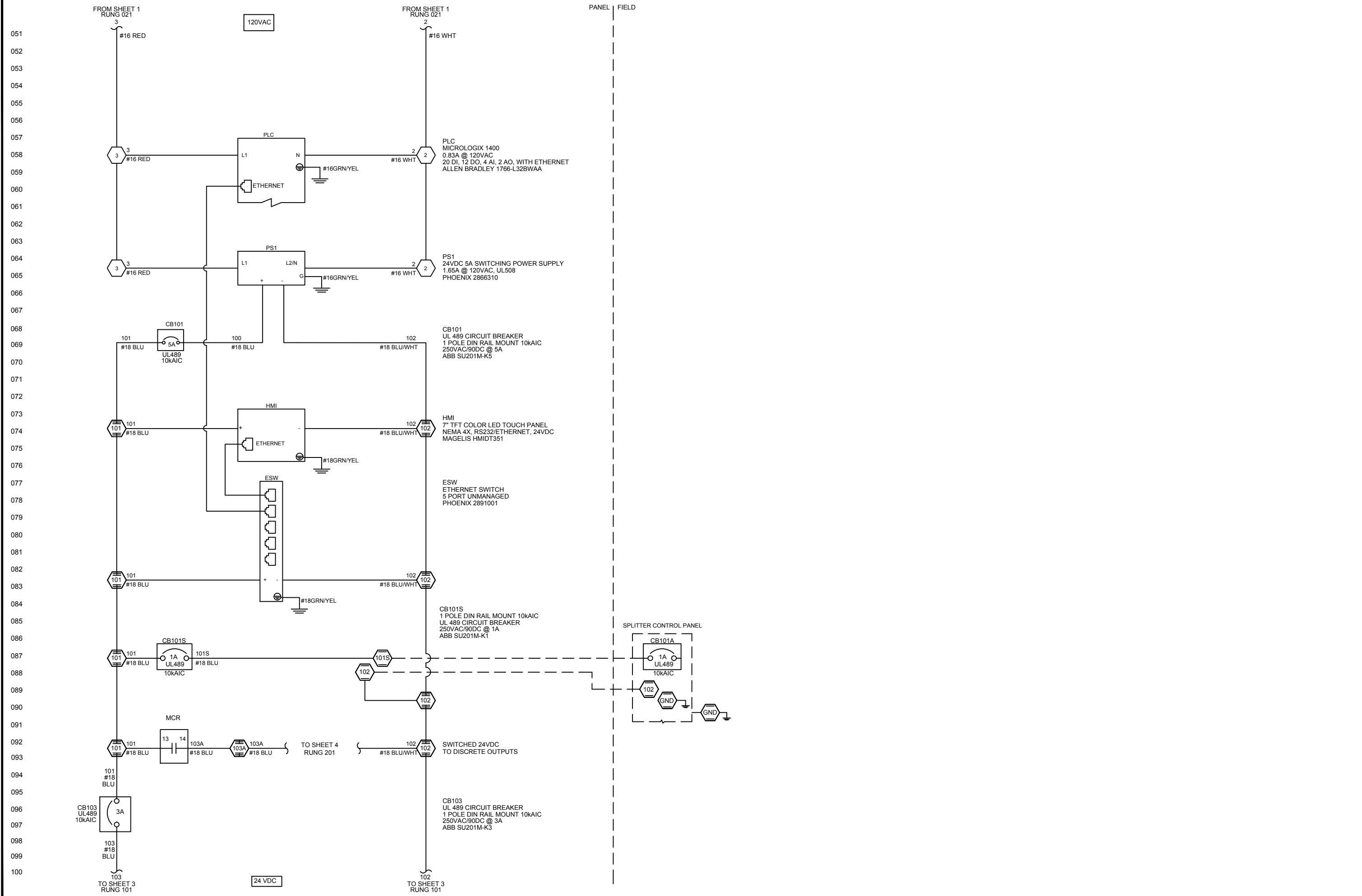
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PYRAMID WTP
PSI WATER TECHNOLOGIES INC.
550 SYCAMORE DRIVE
MILPITAS, CA

MICROCLOR ON-SITE HYPOCHLORITE
GENERATION SYSTEM MC160
CONTROL PANEL
AC POWER DISTRIBUTION

SIZE:	B	REV:	C
ICS JOB No:	3555		
DWG No:	3555_PLC1_500		
SCALE:	N/A		
SHEET:	1 OF 6		



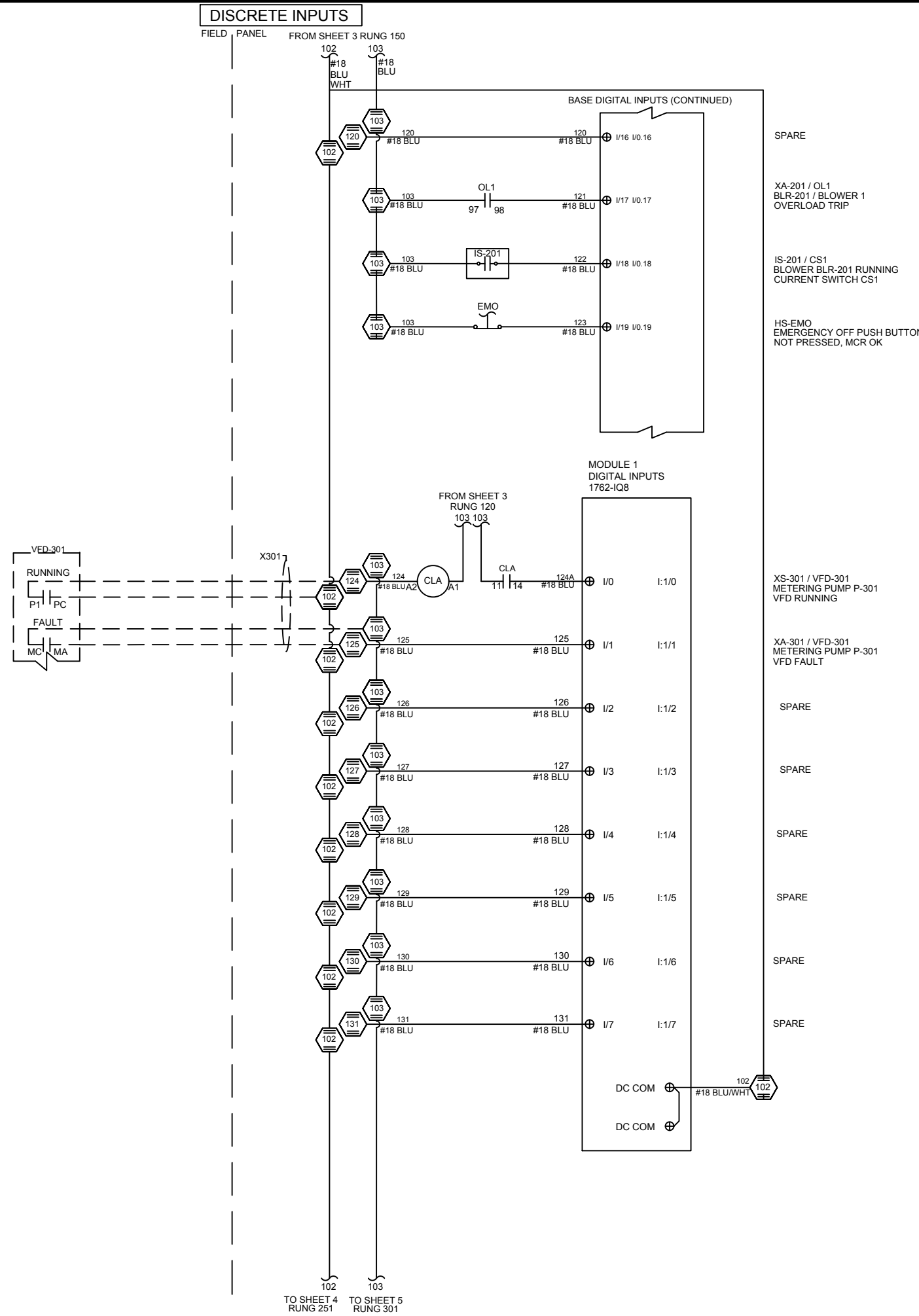
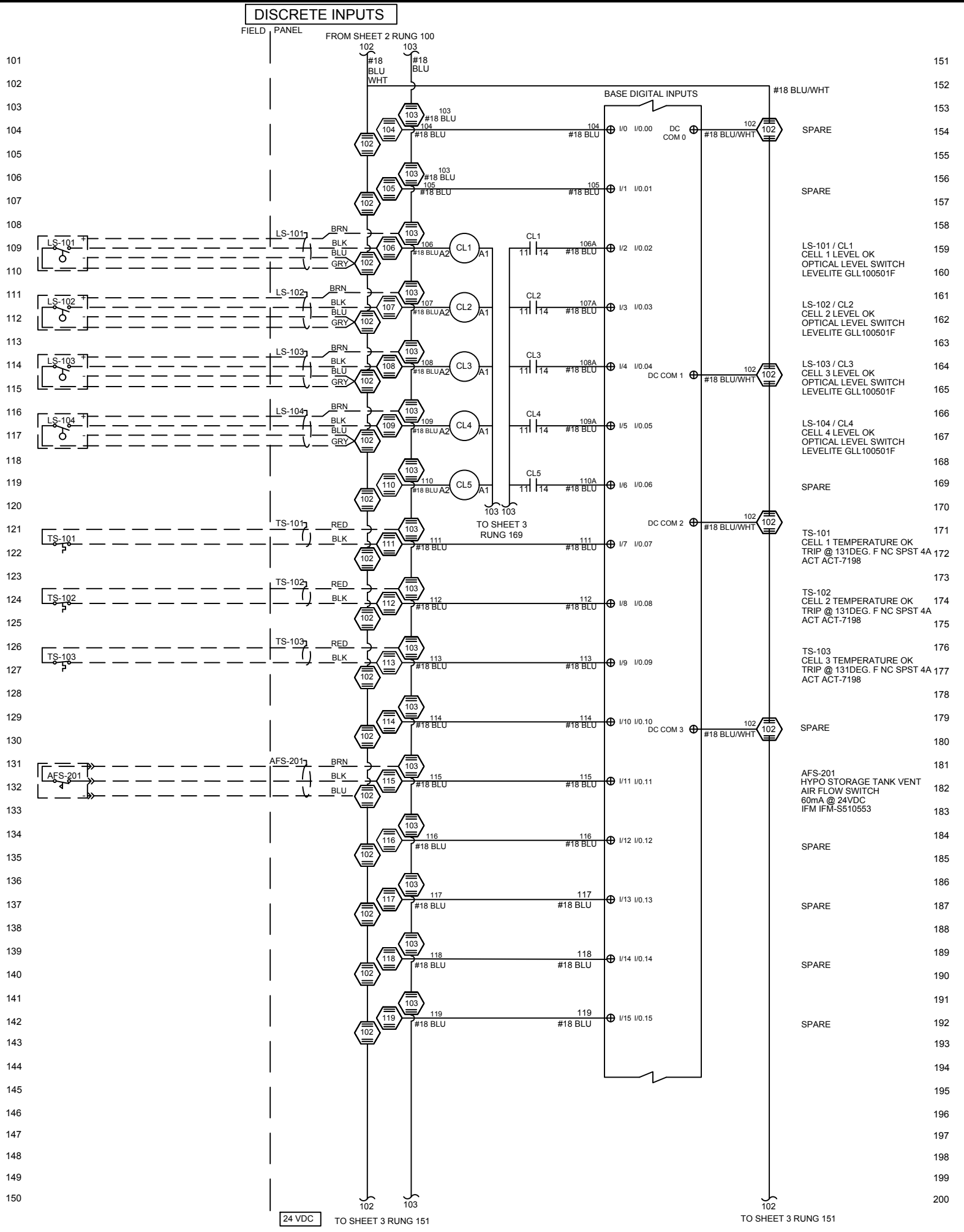
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PSI WATER TECHNOLOGIES INC.
 550 SYCAMORE DRIVE
 MILPITAS, CA

MICROCLOR ON-SITE HYPOCHLORITE
GENERATION SYSTEM MC160
CONTROL PANEL
DC POWER DISTRIBUTION

SIZE:	B	REV:	C
ICS JOB No:	3555		
DWG No:	3555_PLC1_500		
SCALE:	N/A		
SHEET:	2 OF 6		



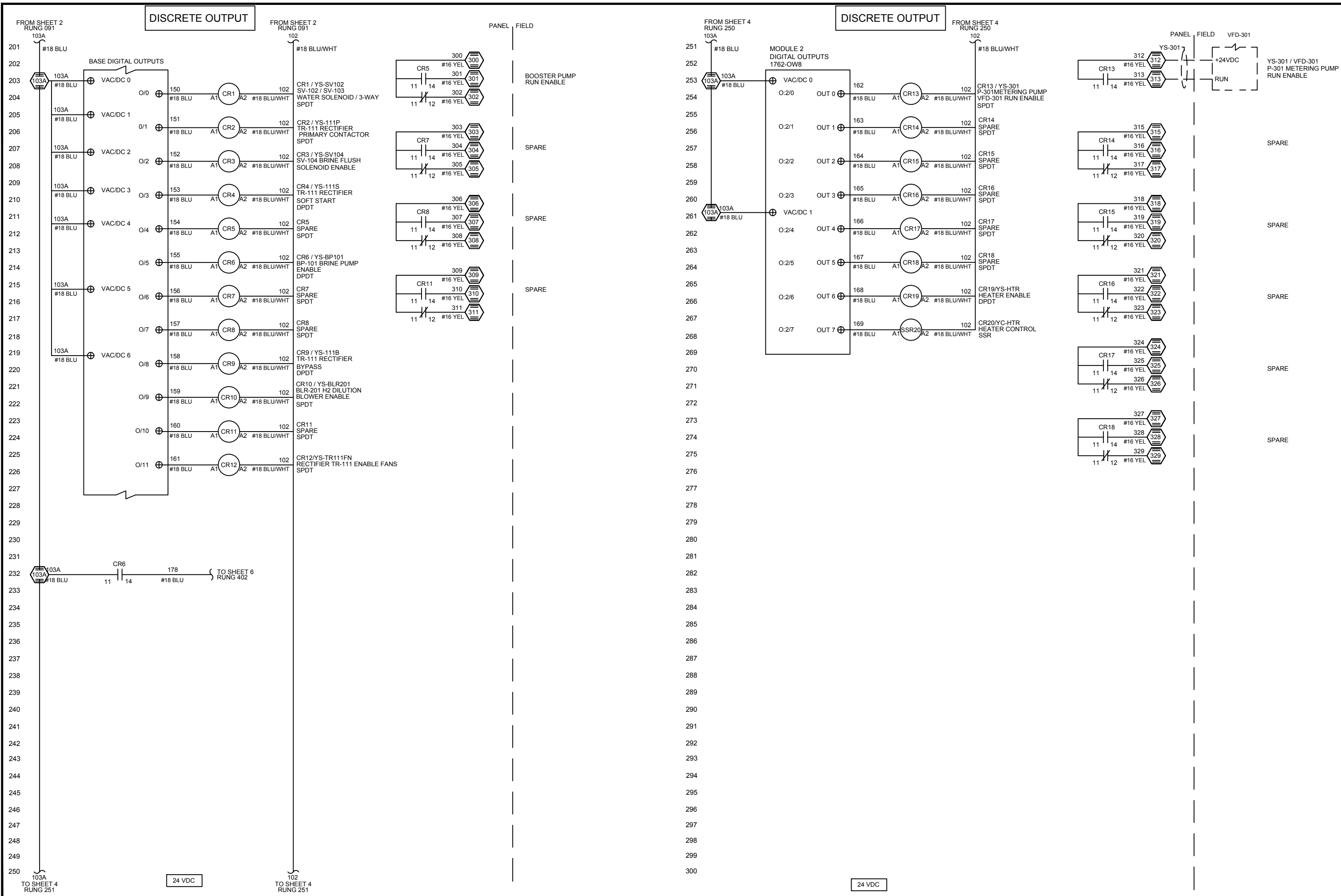
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PYRAMID WTP
PSI WATER TECHNOLOGIES INC.
 550 SYCAMORE DRIVE
 MILPITAS, CA

MICROCLOR ON-SITE HYPOCHLORITE
GENERATION SYSTEM MC160
CONTROL PANEL
DISCRETE INPUTS

SIZE:	B	REV:	C
ICS JOB No:	3555		
DWG No:	3555_PLC1_500		
SCALE:	N/A		
SHEET:	3 OF 6		



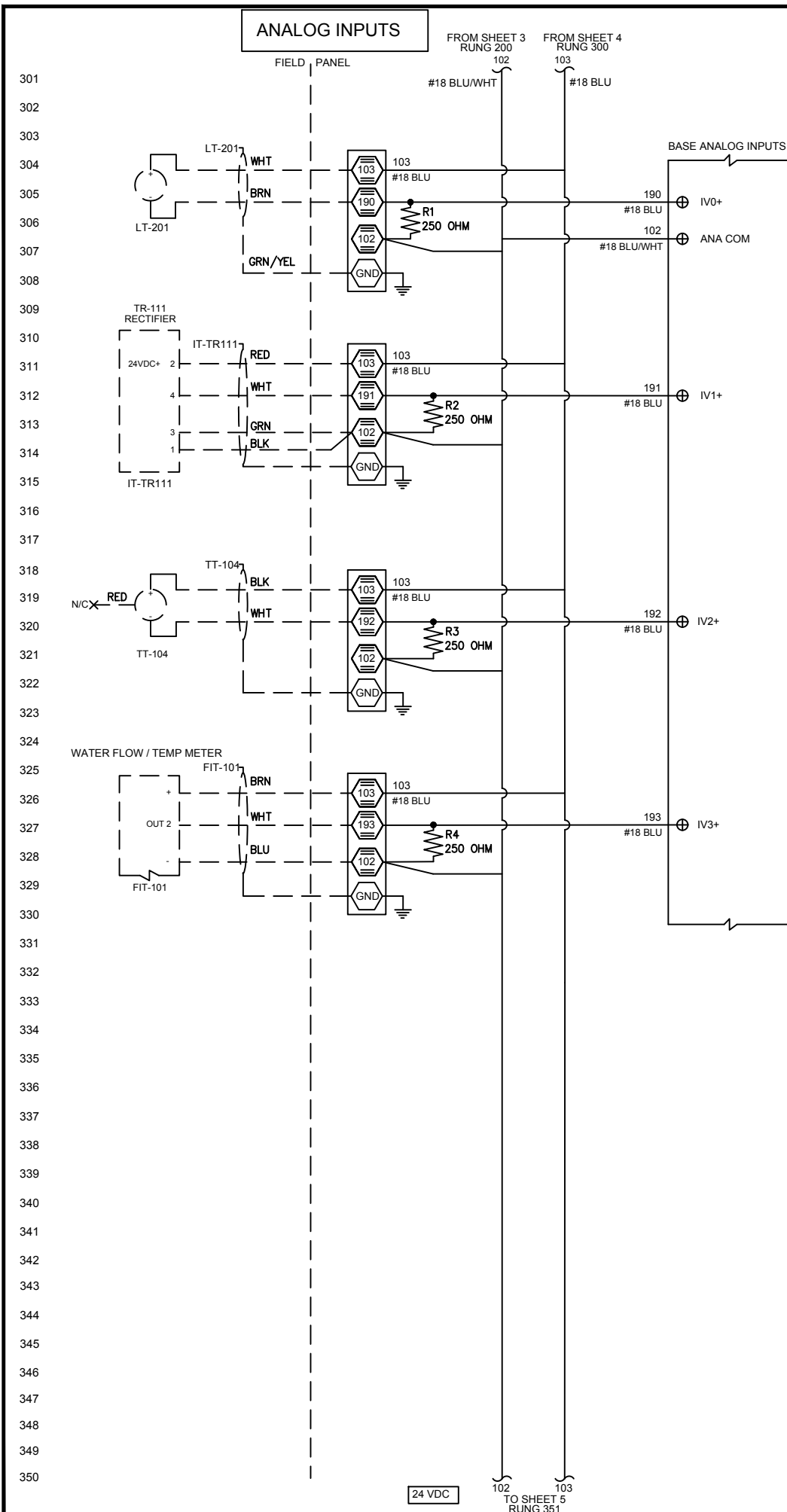
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 PSI WATER TECHNOLOGIES INC.
 550 SYCAMORE DRIVE
 MILPITAS, CA**

MICROCLOR ON-SITE HYPOCHLORITE GENERATION SYSTEM MC160 CONTROL PANEL DISCRETE OUTPUTS

SIZE:	B	REV:	C
ICS JOB No:	3555		
DWG No:	3555_PLC1_500		
SCALE:	N/A		
SHEET:	4 OF 6		

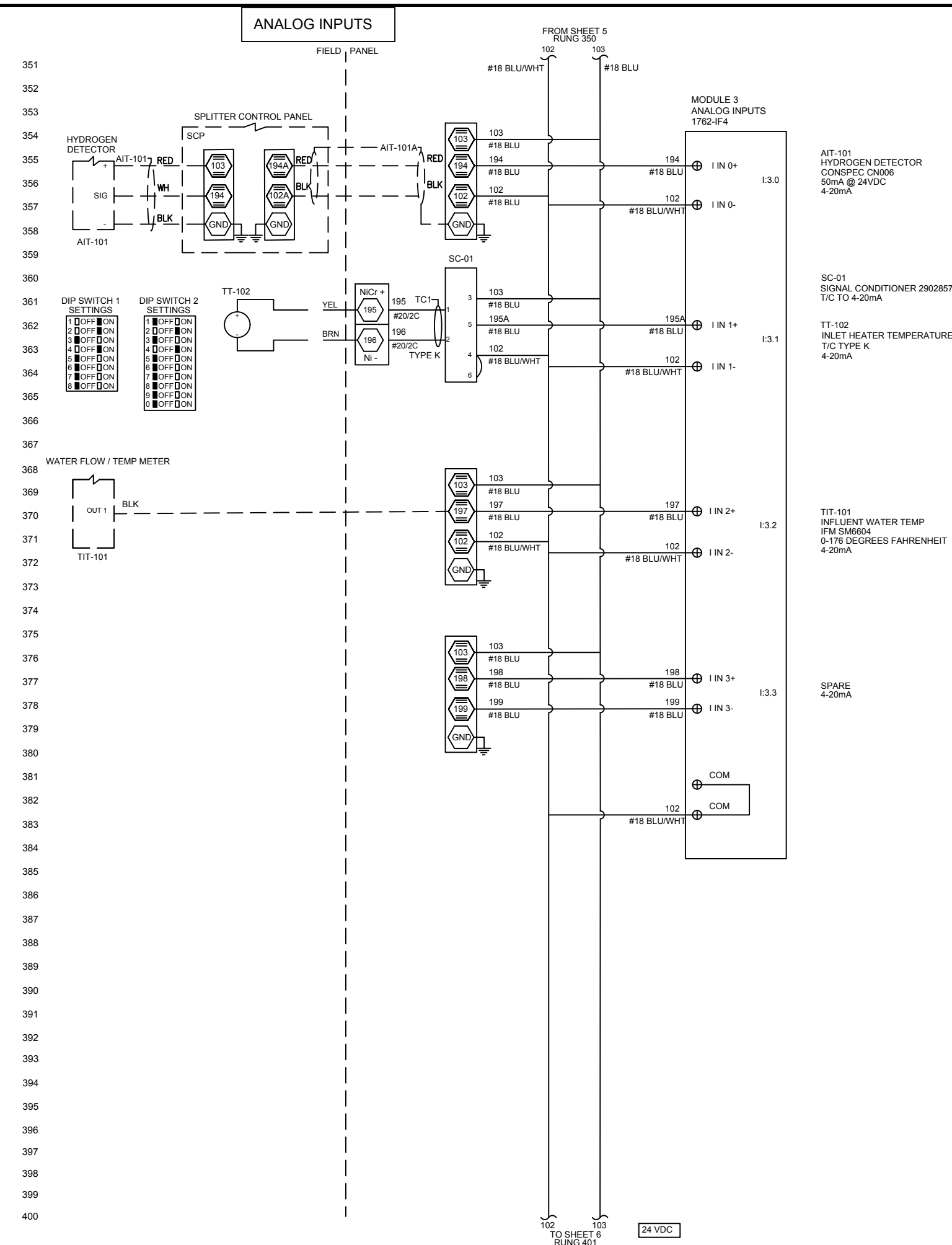


LT-201
HYPO TANK 1 LEVEL
ULTRASONIC LEVEL TRANSMITTER
VEGAPULS PS31-VCXXXN0HB
0-100FT
4-20mA

IT-TR111
CELL AMPS
4-20mA

TT-104
CELL TEMPERATURE
TEMPERATURE SENSOR
SIGNET 3-2350-3
0-100DEG. C
4-20mA

FIT-101
CELL FLOW
MAG METER FLOW SENSOR
IFM SM6604
22.1mA @ 24VDC
0-6.6GPM
4-20mA



AIT-101
HYDROGEN DETECTOR
CONSPEC CN006
50mA @ 24VDC
4-20mA

DIP SWITCH 1 SETTINGS
1 OFF ON
2 OFF ON
3 OFF ON
4 OFF ON
5 OFF ON
6 OFF ON
7 OFF ON
8 OFF ON
9 OFF ON

DIP SWITCH 2 SETTINGS
1 OFF ON
2 OFF ON
3 OFF ON
4 OFF ON
5 OFF ON
6 OFF ON
7 OFF ON
8 OFF ON
9 OFF ON

TT-102
INLET HEATER TEMPERATURE
T/C TYPE K
4-20mA

TIT-101
INFLUENT WATER TEMP
IFM SM6604
0-176 DEGREES FAHRENHEIT
4-20mA

AIT-101
HYDROGEN DETECTOR
CONSPEC CN006
50mA @ 24VDC
4-20mA

SC-01
SIGNAL CONDITIONER 2902857
T/C TO 4-20mA

TT-102
INLET HEATER TEMPERATURE
T/C TYPE K
4-20mA

TIT-101
INFLUENT WATER TEMP
IFM SM6604
0-176 DEGREES FAHRENHEIT
4-20mA

SPARE
4-20mA

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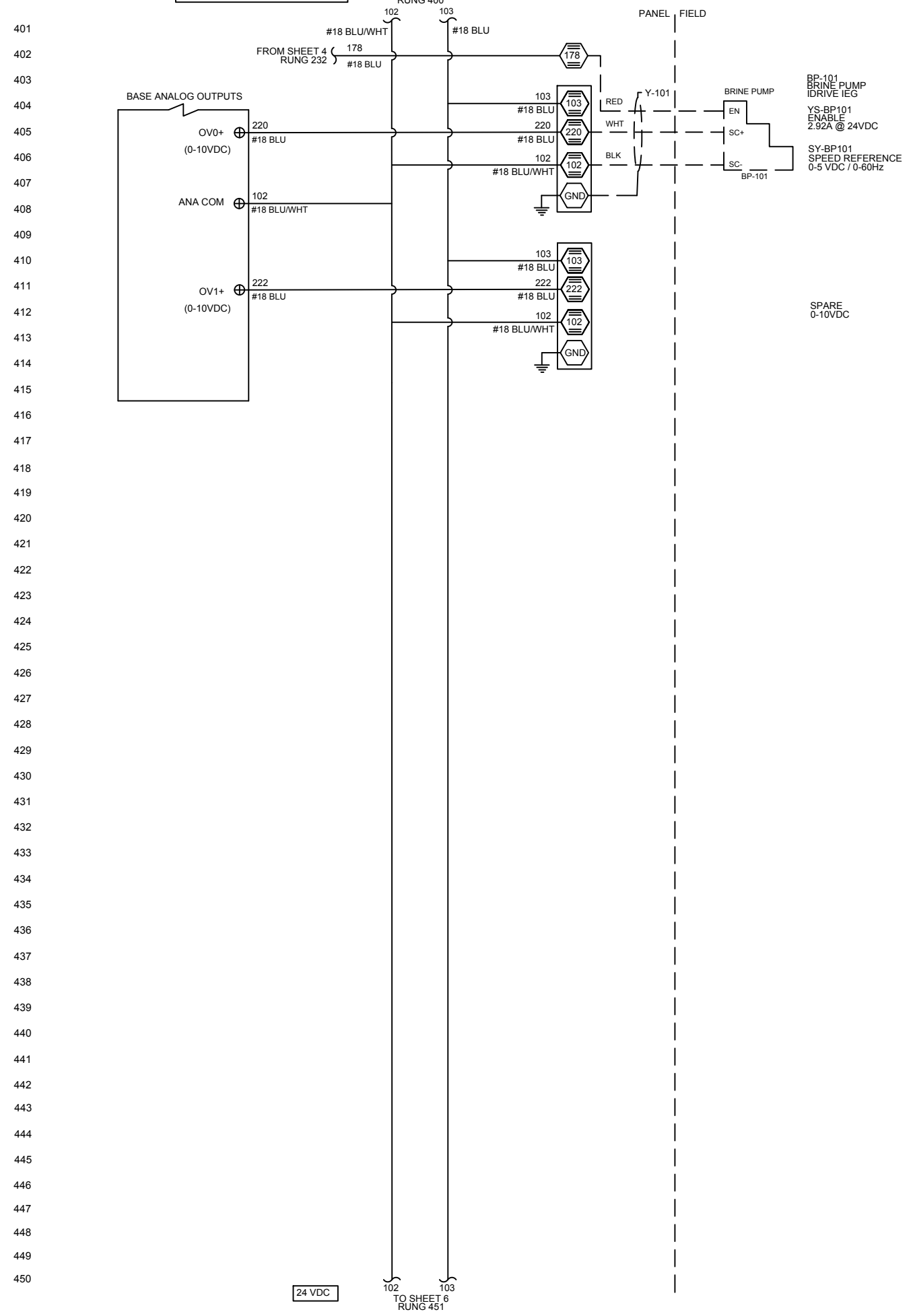
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MILPITAS, CA

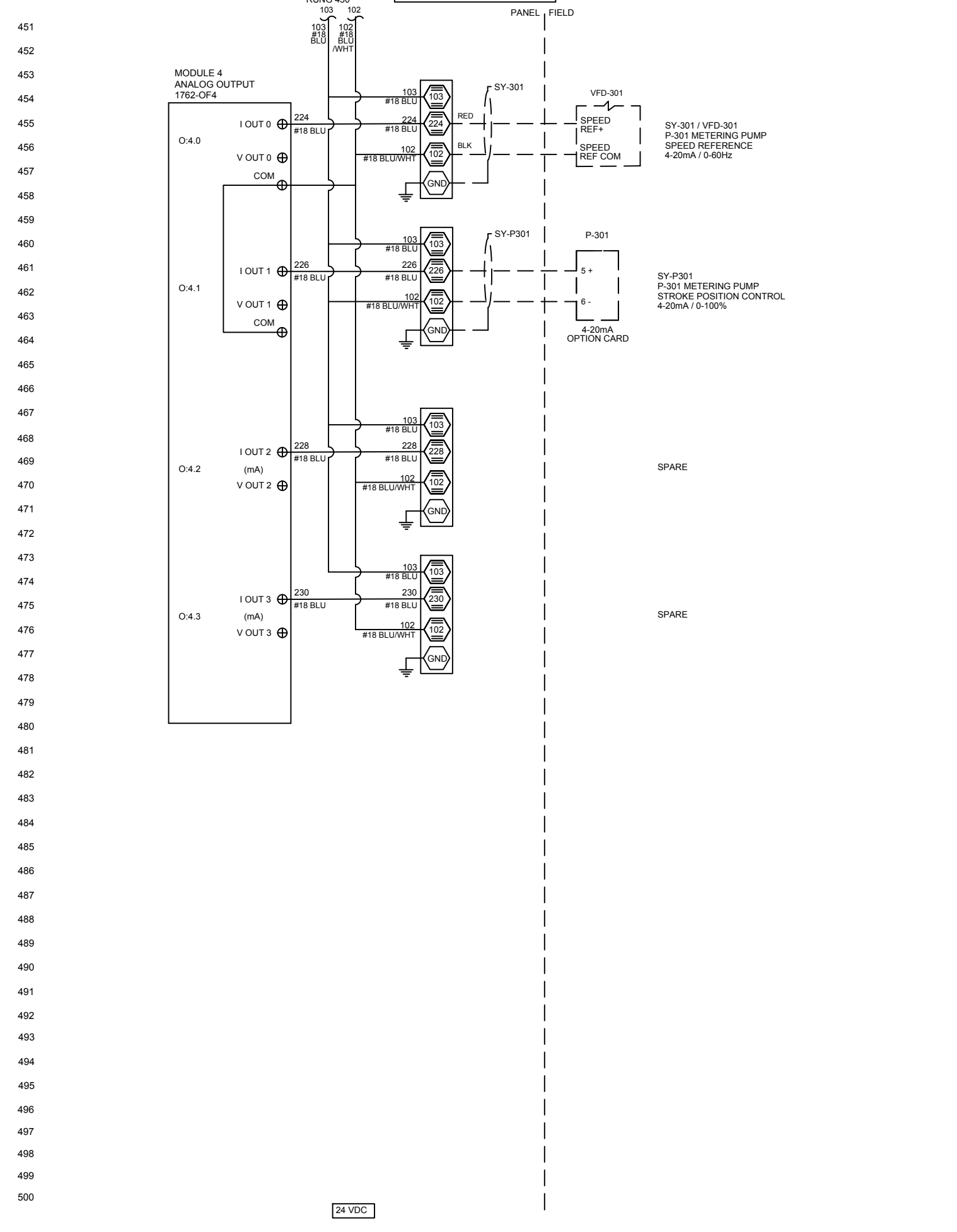
MICROCLOR ON-SITE HYPOCHLORITE GENERATION SYSTEM MC160 CONTROL PANEL ANALOG INPUTS

SIZE:	REV:
B	C
ICS JOB No:	3555
DWG No:	3555_PLC1_500
SCALE:	N/A
SHEET:	5 OF 6

ANALOG OUTPUTS



ANALOG OUTPUTS



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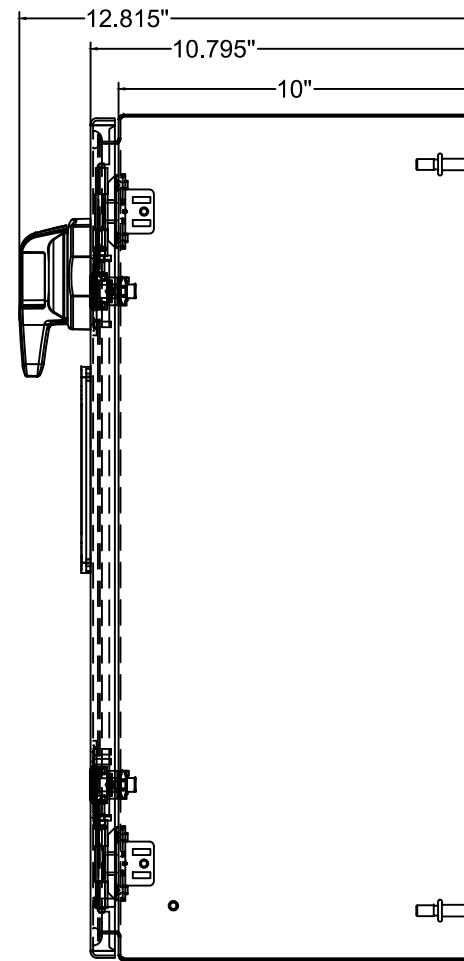
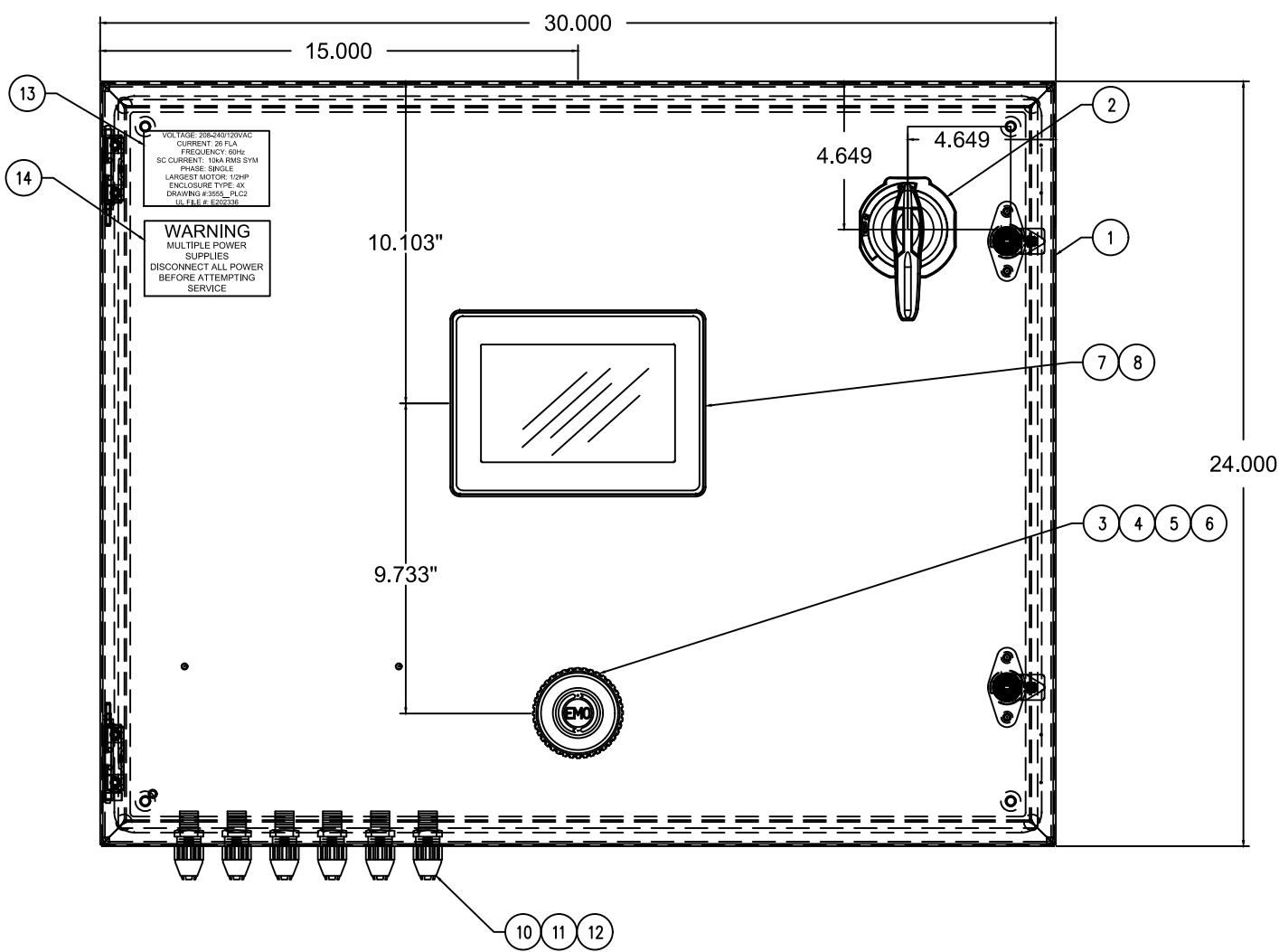
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PSI WATER TECHNOLOGIES INC.
 550 SYCAMORE DRIVE
 MILPITAS, CA

MICROCLOR ON-SITE HYPOCHLORITE
GENERATION SYSTEM MC160
CONTROL PANEL
ANALOG OUTPUTS

SIZE:	REV:
B	C
ICS JOB No:	3555
DWG No:	3555_PLC1_500
SCALE:	N/A
SHEET:	6 OF 6

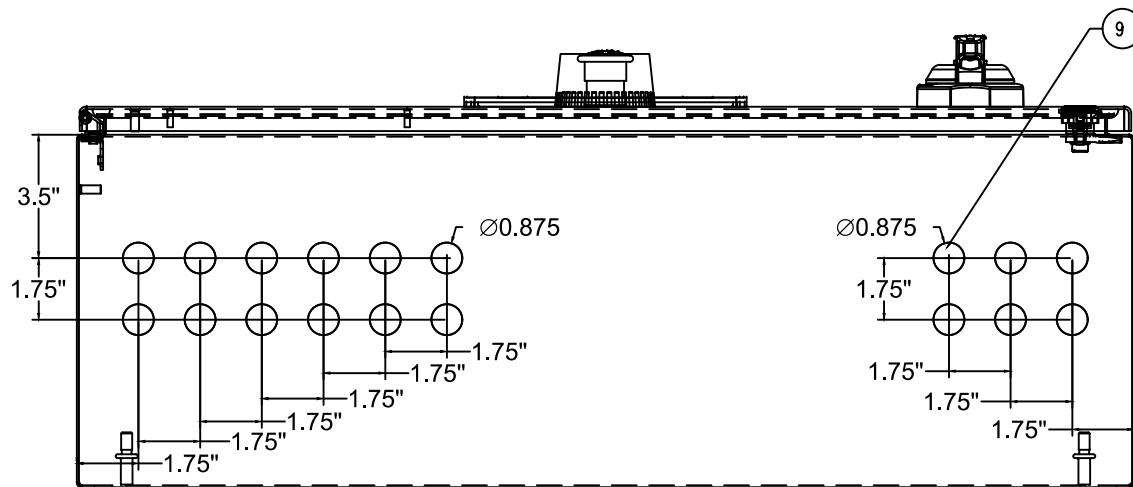


NAME PLATE

VOLTAGE: 208-240/120VAC
CURRENT: 26 FLA
FREQUENCY: 60Hz
SC CURRENT: 10KA RMS SYM
PHASE: SINGLE
LARGEST MOTOR: 1/2HP
ENCLOSURE TYPE: 4X
DRAWING #: 3555_PLC2
UL FILE #: E202336

WARNING

WARNING
MULTIPLE POWER SUPPLIES
DISCONNECT ALL POWER BEFORE ATTEMPTING SERVICE



ITEM	REF	DESCRIPTION	MFG	PART#	QTY
1	ENCL	ENCLOSURE 24X30X10 NEMA 4X 304SS	HOFFMAN	CSD24310SS	1
2	DS1	DISCONNECT LOAD SWITCH OPERATING HANDLE	ALLEN BRADLEY	194R-PY	1
3	EMO	EMERGENCY OFF PUSH/PULL MUSHROOM HEAD 40MM	SCHNEIDER ELECTRIC	ZB4BS84430	1
4	EMO	EMERGENCY OFF NC CONTACT BLOCK	SCHNEIDER ELECTRIC	ZBE102	2
5	EMO	EMERGENCY OFF MOUNTING BASE	SCHNEIDER ELECTRIC	ZB4BZ009	1
6	EMO	EMERGENCY OFF FINGER GUARD	SCHNEIDER ELECTRIC	ZB4BZ1905	1
7	HMI	MAGELIS 7" TFT COLOR TOUCH PANEL NEMA 4X RS232/ ETHERNET 24VDC	SCHNEIDER ELECTRIC	HMIDT351	1
8	HMI	MAGELIS HMI BASE	SCHNEIDER ELECTRIC	HMIG3U	1
9	PLUGS	1/2" KNOCKOUT PLUGS STAINLESS STEEL NEMA 4X	HOFFMAN	AS050SS	6
10	CORD	1/2" CORD CONNECTORS	OLFLEX	S1212	12
11	CORD	1/2" STEEL LOCKNUT	T&B	141	12
12	CORD	1/2" NEOPRENE GASKET WITH STAINLESS STEEL RETAINER	T&B	5262	12
13	LBL	CUSTOM NAMEPLATE LABEL	PHOENIX CONTACT	0828807	1
14	LBL	CUSTOM WARNING LABEL	PHOENIX CONTACT	0828909	1

TO MAINTAIN UL508A RATING, INCOMING POWER WIRES MUST BE COPPER AND BE RATED AT A MINIMUM OF 60 DEG. C. IF SERVICE IS GREATER THAN 100A WIRES MUST BE RATED AT A MINIMUM OF 75 DEG. C. TO MAINTAIN THE ENVIRONMENTAL RATING OF THIS ENCLOSURE, IN OPENINGS INSTALL ONLY LISTED OR RECOGNIZED CONTROL DEVICES WITH THE SAME ENVIRONMENTAL RATING AS THE ENCLOSURE

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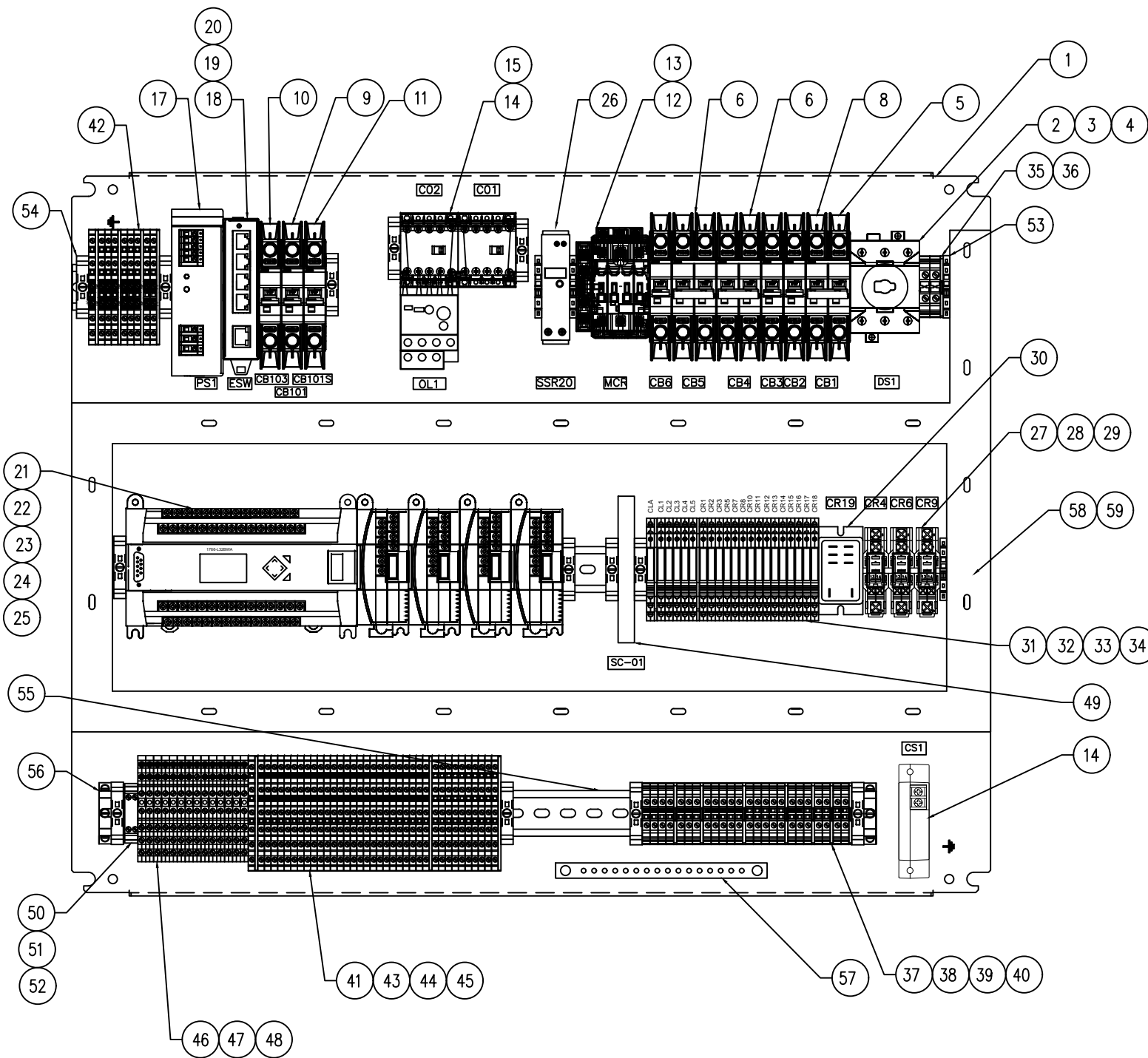
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PSI WATER TECHNOLOGIES INC.
550 SYCAMORE DRIVE
MILPITAS, CA

MICROCLOR ON-SITE HYPOCHLORITE
GENERATION SYSTEM MC160
CONTROL PANEL
ENCLOSURE LAYOUT

SIZE: B C
REV: B C
ICS JOB No: 3555
DWG No: 3555_PLC2_100
SCALE: N/A
SHEET: 1 OF 1



ITEM	REF	DESCRIPTION	MFG	PART#	QTY
1	PNL	BACK PANEL 30X24	HOFFMAN	CP3024	1
2	DS1	DISCONNECT SWITCH BODY 3-POLE 40A	ALLEN BRADLEY	194E-A40-1753	1
3	DS1	DISCONNECT SHAFT ADAPTER KIT	ALLEN BRADLEY	194E-NS-P	1
4	DS1	DISCONNECT SHAFT	ALLEN BRADLEY	194R-S1	1
5	CB1	CIRCUIT BREAKER 2-POLE 40A UL489 IC=10KA	ABB CONTROLS	SU202M-K40	1
6	CB4	CIRCUIT BREAKER 2-POLE 10A UL489 IC=10KA	ABB CONTROLS	SU202M-K10	1
7	CB5	CIRCUIT BREAKER 2-POLE 20A UL489 IC=10KA	ABB CONTROLS	SU202M-K20	1
8	CB2	CIRCUIT BREAKER 1-POLE 10A UL489, IC=10KA	ABB CONTROLS	SU201M-K10	1
9	CB3,6,101	CIRCUIT BREAKER 1-POLE 5A UL489, IC=10KA	ABB CONTROLS	SU201M-K5	3
10	CB103	CIRCUIT BREAKER 1-POLE 3A UL489, IC=10KA	ABB CONTROLS	SU201M-K3	1
11	CB101S	CIRCUIT BREAKER 1-POLE 1A UL489, IC=10KA	ABB CONTROLS	SU201M-K1	1
12	MCR	CONTACTOR 3-POLE 45A 120V COIL	ABB CONTROLS	AF26-30-10-13	1
13	MCR	CONTACTOR AUXILLARY SIDE MOUNT NO/NC	ABB CONTROLS	CAL4-11	1
14	CO1,2	CONTACTOR 3-POLE 12A 120VAC COIL	SCHNEIDER ELECTRIC	LC1K1210F7	2
15	OL1	MANUAL MOTOR PROTECTOR 600VAC 3.7-5.5A	SCHNEIDER ELECTRIC	LR2K0312	1
16	CS1	CURRENT SENSOR	NK TECHNOLOGIES	AS1-NOU-FT-GO	1
17	PS1	POWER SUPPLY 24VDC 5A UL508 115/230 VAC	PHOENIX CONTACT	2866310	1
18	ESW	ETHERNET SWITCH 5-PORT UNMANAGED	PHOENIX CONTACT	2891001	1
19	HMI	ETHERNET PATCH CABLE CAT 5E 7' WHITE	PANDUIT	NK5EPC7Y	1
20	HMI	ETHERNET PATCH CABLE CAT 5E 3' WHITE	PANDUIT	NK5EPC3Y	1
21	PLC	MICROLOGIX 1400 120VAC (20DI,12DO,4AI,2AO) W/ETHERNET	ALLEN BRADLEY	1766-L32BWAA	1
22	PLC	MICROLOGIX DIGITAL INPUT 8-POINT	ALLEN BRADLEY	1762-IQ8	1
23	PLC	MICROLOGIX DIGITAL OUTPUT 8-POINT	ALLEN BRADLEY	1762-OW8	1
24	PLC	MICROLOGIX ANALOG INPUT 4-POINT	ALLEN BRADLEY	1762-IF4	1
25	PLC	MICROLOGIX ANALOG OUTPUT 4-POINT	ALLEN BRADLEY	1762-OF4	1
26	SSR20	SOLID STATE RELAY W/ HEAT SINK DIN MT., 30A@250VAC	IDEC	RSCDN-30A	1
27	CR4,6,9	RELAY SPDT 16A 24VDC W/LED INDICATOR	SCHNEIDER ELECTRIC	RPM12BD	3
28	CR4,6,9	RELAY SPDT 24VDC BASE	SCHNEIDER ELECTRIC	RPZF1	3
29	CR4,6,9	RELAY SPDT 24VDC BASE CLAMP	SCHNEIDER ELECTRIC	RPZR235	3
30	CR19	DPDT, 24 VDC COIL, 24 VDC 30A CONTACTS.DIN RAIL OR PANEL MOUNT.	SCHNEIDER ELECTRIC	92S11D22D-24	1
31	CR1-3,5,7,8,10-18,CL1-CL5,CLA	RELAY SPDT 24VDC 6A/10A PEAK BLUE W/ LED	PHOENIX CONTACT	2966171	21
32	CR1-3,5,7,8,10-18,CL1-CL5,CLA	RELAY PARTITION PLATE	PHOENIX CONTACT	2966841	1
33	CR1-3,5,7,8,10-18,CL1-CL5,CLA	RELAY JUMPER	PHOENIX CONTACT	2966692	1
34	CR1-3,5,7,8,10-18,CL1-CL5,CLA	RELAY LABEL	PHOENIX CONTACT	0828736	1
35	TB1	SINGLE TIER NEUTRAL TERMINAL	PHOENIX CONTACT	3044160	1
36	TB1	SINGLE TIER GROUND TERMINAL	PHOENIX CONTACT	3044157	1
37	TB1	SINGLE TIER TERMINAL	PHOENIX CONTACT	3044102	25
38	TB1	SINGLE TIER TERMINAL END SECTION	PHOENIX CONTACT	3047028	8
39	TB1	SINGLE TIER TERMINAL JUMPER	PHOENIX CONTACT	3030271	2
40	TB1	SINGLE TIER TERMINAL LABELS	PHOENIX CONTACT	0828736	1
41	TB1	TRIPLE TIER TERMINAL	PHOENIX CONTACT	3214259	37
42	TB1	TRIPLE TIER TERMINAL INTERNALLY JUMPERED	PHOENIX CONTACT	3214262	8
43	TB1	TRIPLE TIER TERMINAL END SECTION	PHOENIX CONTACT	3214314	6
44	TB1	TRIPLE TIER TERMINAL JUMPER	PHOENIX CONTACT	3032127	2
45	TB1	TRIPLE TIER TERMINAL LABELS	PHOENIX CONTACT	0828734	1
46	TB1	TRIPLE TIER TERMINAL WITH GROUND	PHOENIX CONTACT	2718206	14
47	TB1	TRIPLE TIER TERMINAL WITH GROUND JUMPER	PHOENIX CONTACT	2715937	1
48	TB1	TRIPLE TIER TERMINAL WITH GROUND LABELS	PHOENIX CONTACT	0830768	1
49	SC-01	SIGNAL CONDITIONER T/C TO 4-20mA	PHOENIX CONTACT	2902857	1
50	TB1	THERMOELECTRIC VOLTAGE TERMINAL BLOCK PAIR, TC TYPE K, MTKD-NICR/NI	PHOENIX CONTACT	3100062	1
51	TB1	THERMOELECTRIC VOLTAGE TERMINAL BLOCK END SECTION	PHOENIX CONTACT	3101029	1
52	TB1	#20/2C TYPE K THERMOCOUPLE WIRE	OMNI CABLE	I4200KX	1
53	TB1	END STOP WIDTH: 0.20" CLAMP ON	PHOENIX CONTACT	3022276	4
54	TB1	END STOP WIDTH: 0.37" SCREW CLAMP	PHOENIX CONTACT	0800886	12
55	TB1	DIN RAIL (2 METERS OR 6.5') PRE-PUNCHED 35MM	PHOENIX CONTACT	0801733	1
56	TB1	BRACKET ANGLE SUPPORT	PHOENIX CONTACT	1201099	3
57	GND	GROUND BAR 14-CIRCUIT	CUTLER-HAMMER	GBK14	1
58	WIREWAY	WIREDUCT 1"X3"X12"	PANDUIT	F1X3LG6	6
59	WIREWAY	WIREDUCT COVER, 1"X12"	PANDUIT	C1LG6	6
60	MISC	MISC ITEMS - WIRE, MARKERS, FERRULES, HARDWARE	ICS	MISC	1

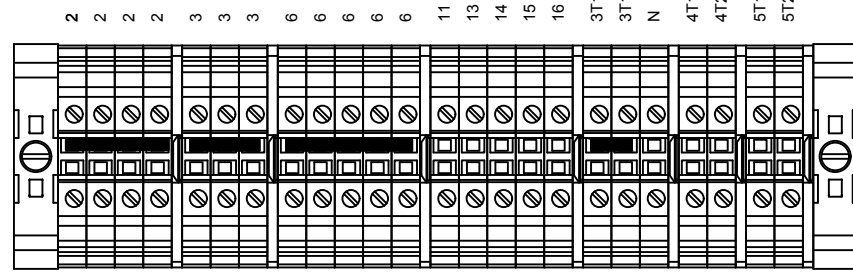
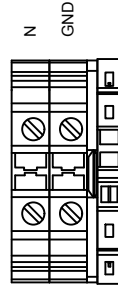
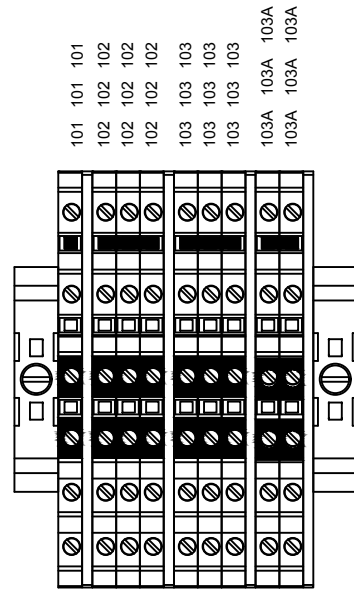
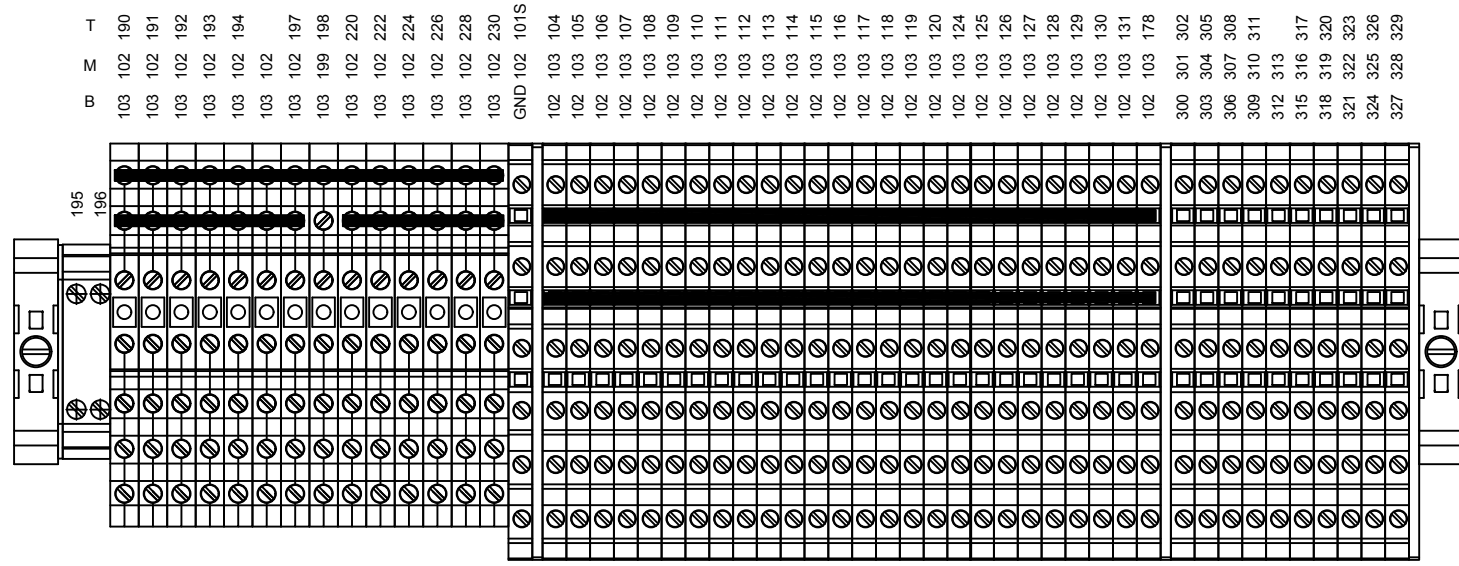
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PYRAMID WTP
PSI WATER TECHNOLOGIES INC.
 550 SYCAMORE DRIVE
 MILPITAS, CA

MICROCLOR ON-SITE HYPOCHLORITE GENERATION SYSTEM MC160 CONTROL PANEL BACK PANEL LAYOUT

SIZE:	REV:
B	C
ICS JOB No:	3555
DWG No:	3555_PLC2_150
SCALE:	N/A
SHEET:	1 OF 2



**MICROCLOR ON-SITE HYPOCHLORITE
GENERATION SYSTEM MC160
CONTROL PANEL
TERMINAL STRIP LAYOUT**

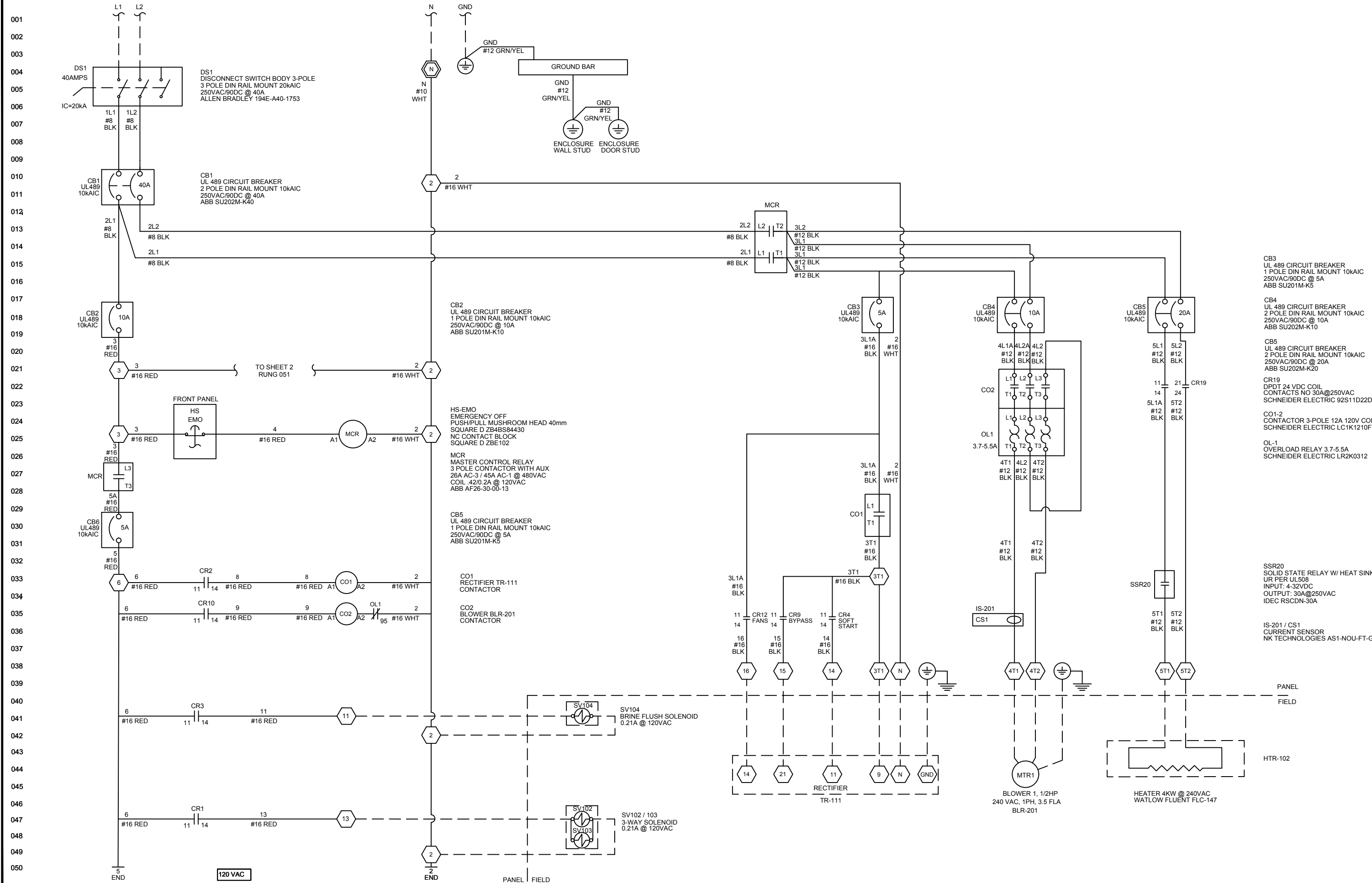
SIZE:	B	REV:	C
ICS JOB No:	3555		
DWG No:	3555_PLC2_150		
SCALE:	N/A		
SHEET:	2 OF 2		

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PYRAMID WTP
PSI WATER TECHNOLOGIES INC.
550 SYCAMORE DRIVE
MILPITAS, CA**

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208-240/120VAC, 40A, 26FLA, 1PH, MAX SHORT CIRCUIT CURRENT = 10kA MAX MOTOR LOAD = 1/2 HP



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120 VAC

PANEL FIELD

PANEL FIELD

HTR-102

HEATER 4KW @ 240VAC
WATLOW FLUENT FLC-147

BLOWER 1, 1/2HP
240 VAC, 1PH, 3.5 FLA
BLR-201

RECTIFIER
TR-111

CB3
UL 489 CIRCUIT BREAKER
1 POLE DIN RAIL MOUNT 10KAIC
250VAC/90DC @ 5A
ABB SU201M-K5

CB4
UL 489 CIRCUIT BREAKER
2 POLE DIN RAIL MOUNT 10KAIC
250VAC/90DC @ 10A
ABB SU202M-K10

CB5
UL 489 CIRCUIT BREAKER
2 POLE DIN RAIL MOUNT 10KAIC
250VAC/90DC @ 20A
ABB SU202M-K20

CR19
DPDT 24 VDC COIL
CONTACTS NO 30A@250VAC
SCHNEIDER ELECTRIC 92S11D22D-24

CO1-2
CONTACTOR 3-POLE 12A 120V COIL
SCHNEIDER ELECTRIC LC1K1210F7

OL-1
OVERLOAD RELAY 3.7-5.5A
SCHNEIDER ELECTRIC LR2K0312

SSR20
SOLID STATE RELAY W/ HEAT SINK
UR PER UL508
INPUT: 4-32VDC
OUTPUT: 30A@250VAC
IDEC RSCDN-30A

IS-201 / CS1
CURRENT SENSOR
NK TECHNOLOGIES AS1-NOU-FT-GO

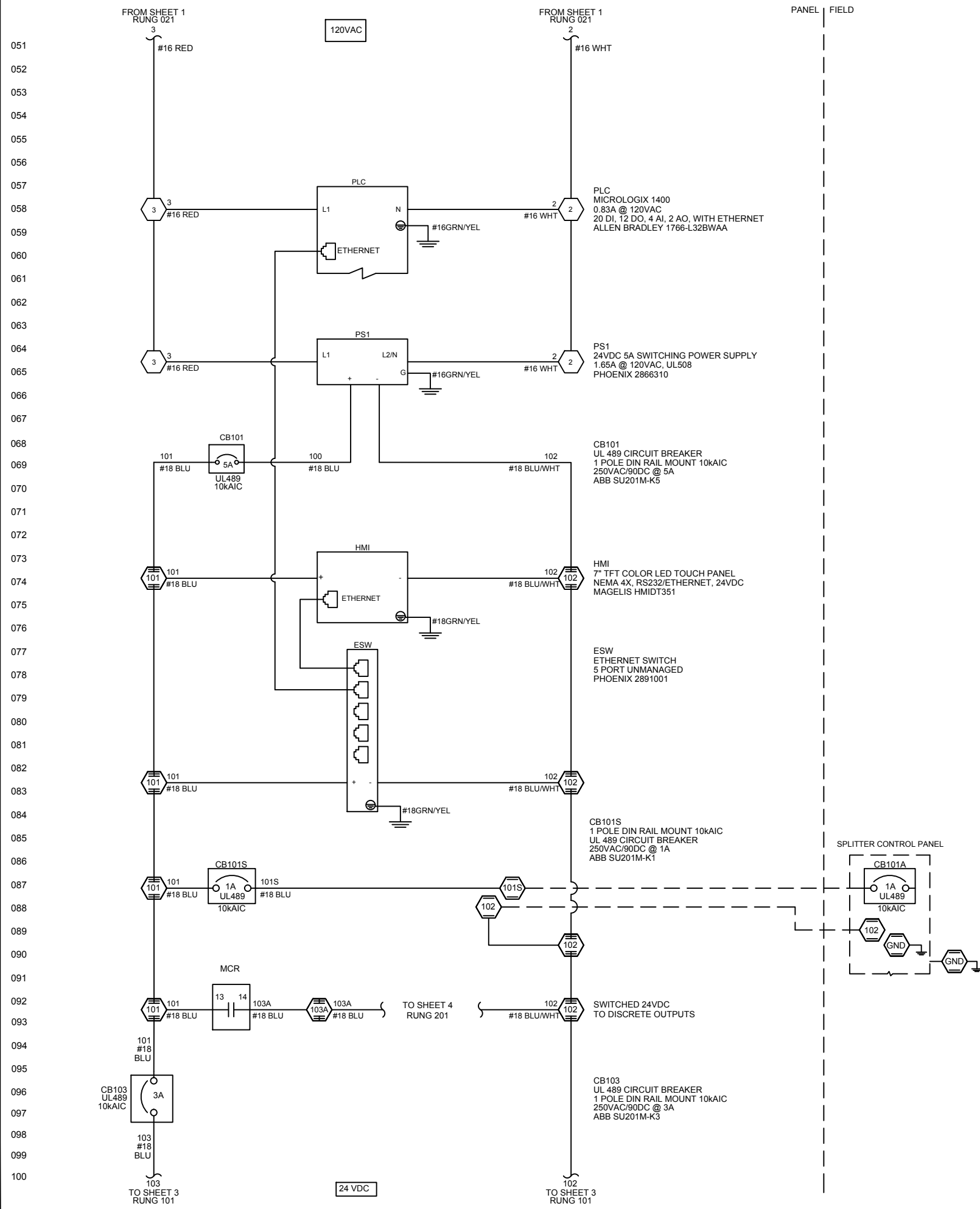
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PYRAMID WTP
PSI WATER TECHNOLOGIES INC.
550 SYCAMORE DRIVE
MILPITAS, CA

MICROCLOR ON-SITE HYPOCHLORITE
GENERATION SYSTEM MC160
CONTROL PANEL
AC POWER DISTRIBUTION

SIZE:	B	REV:	C
ICS JOB No:	3555		
DWG No:	3555_PLC2_500		
SCALE:	N/A		
SHEET:	1 OF 6		



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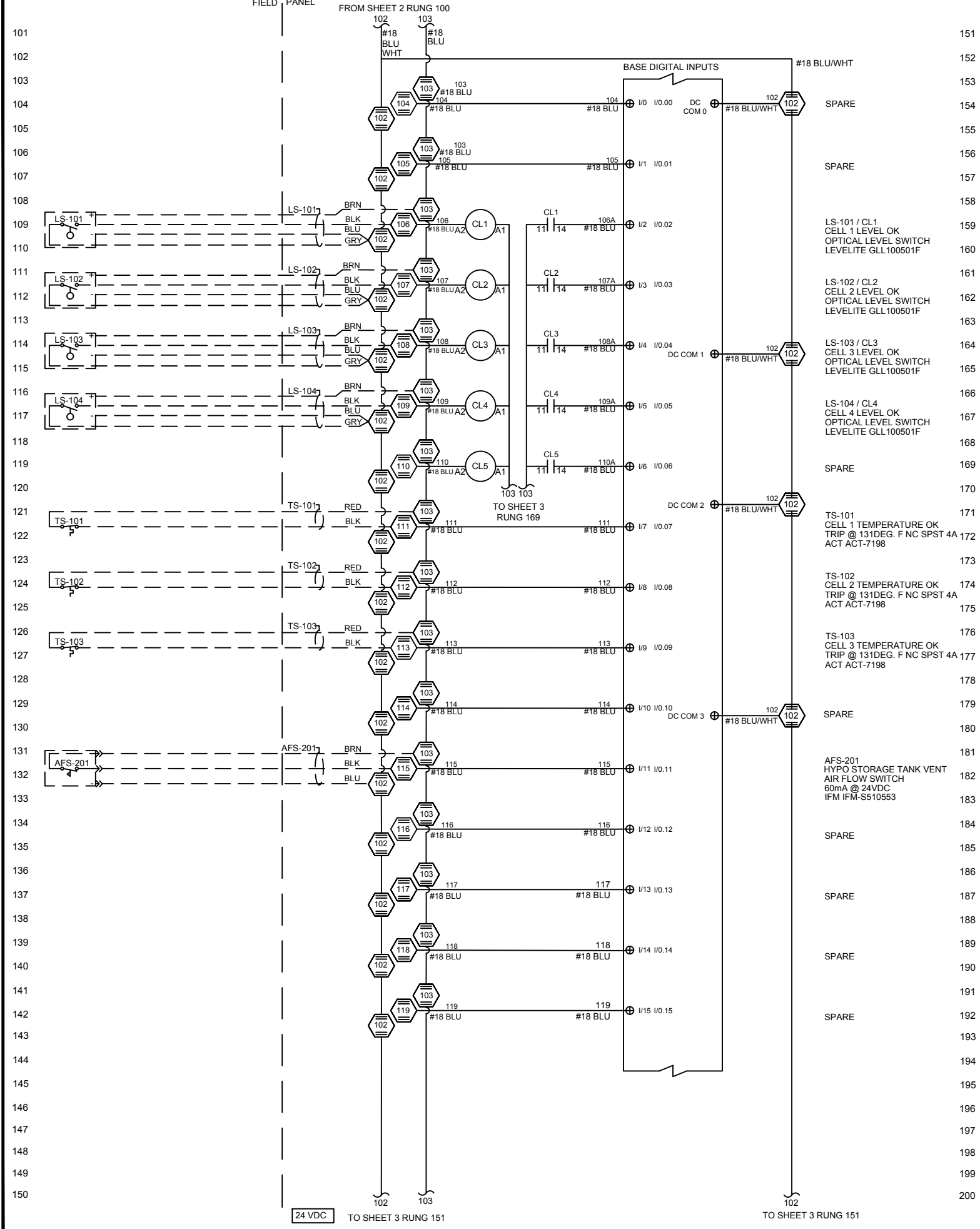
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PSI WATER TECHNOLOGIES INC.
 550 SYCAMORE DRIVE
 MILPITAS, CA

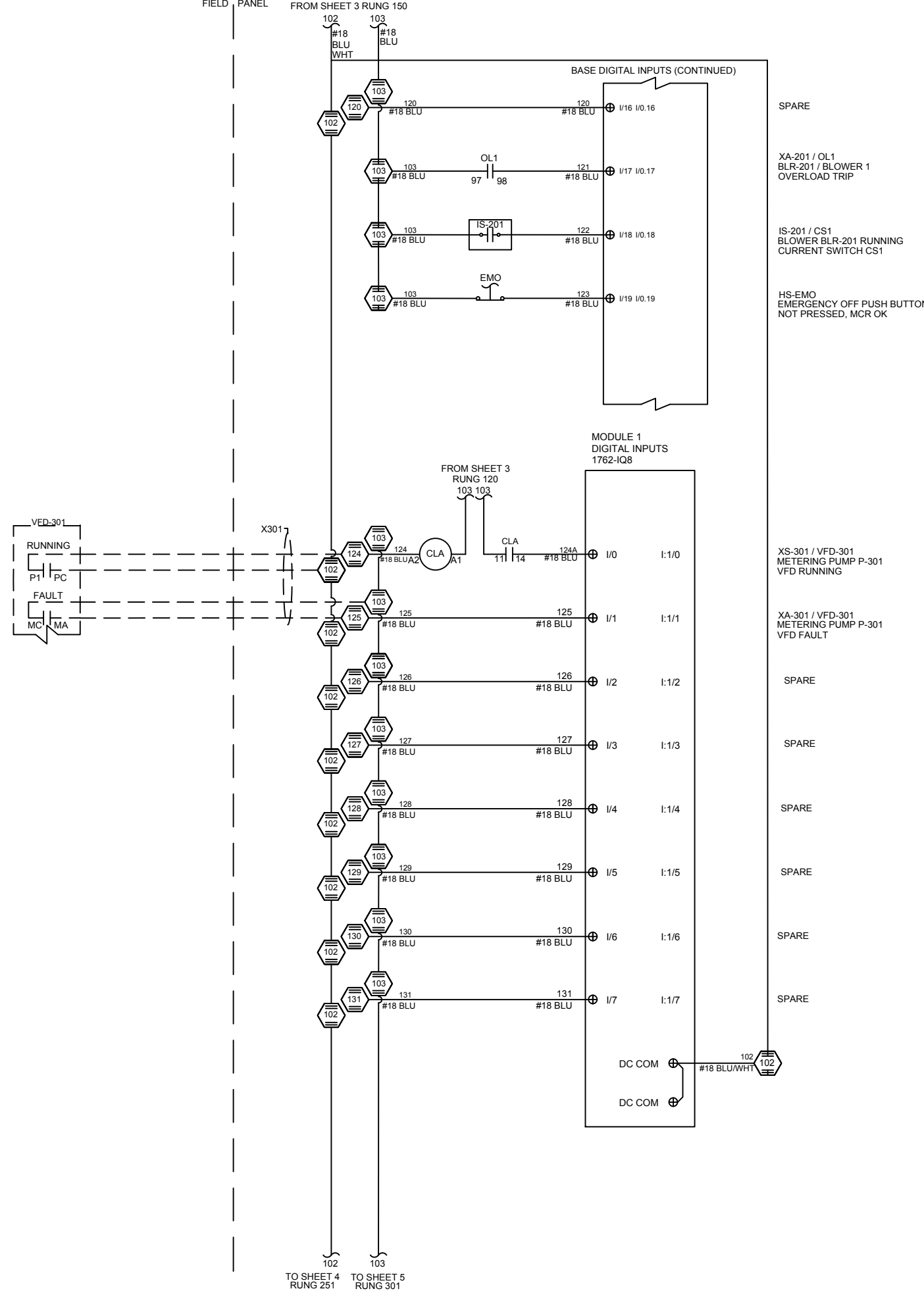
MICROCLOR ON-SITE HYPOCHLORITE
GENERATION SYSTEM MC160
CONTROL PANEL
DC POWER DISTRIBUTION

SIZE:	REV:
B	C
ICS JOB No:	3555
DWG No:	3555_PLC2_500
SCALE:	N/A
SHEET:	2 OF 6

DISCRETE INPUTS



DISCRETE INPUTS



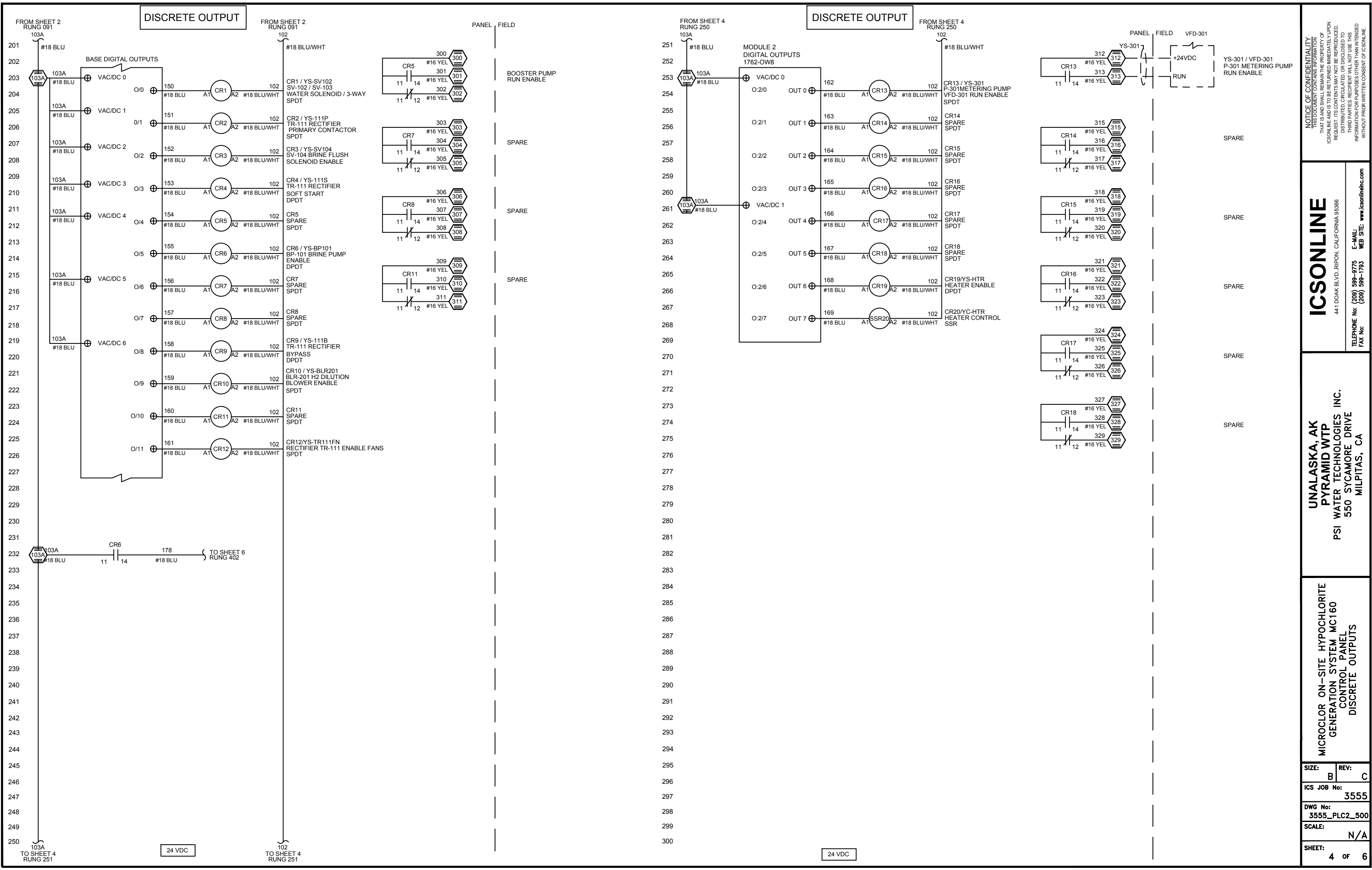
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UNALASKA, AK
PYRAMID WTP
PSI WATER TECHNOLOGIES INC.
 550 SYCAMORE DRIVE
 MILPITAS, CA

MICROCLOR ON-SITE HYPOCHLORITE
GENERATION SYSTEM MC160
CONTROL PANEL
DISCRETE INPUTS

SIZE:	B	REV:	C
ICS JOB No:	3555		
DWG No:	3555_PLC2_500		
SCALE:	N/A		
SHEET:	3 OF 6		



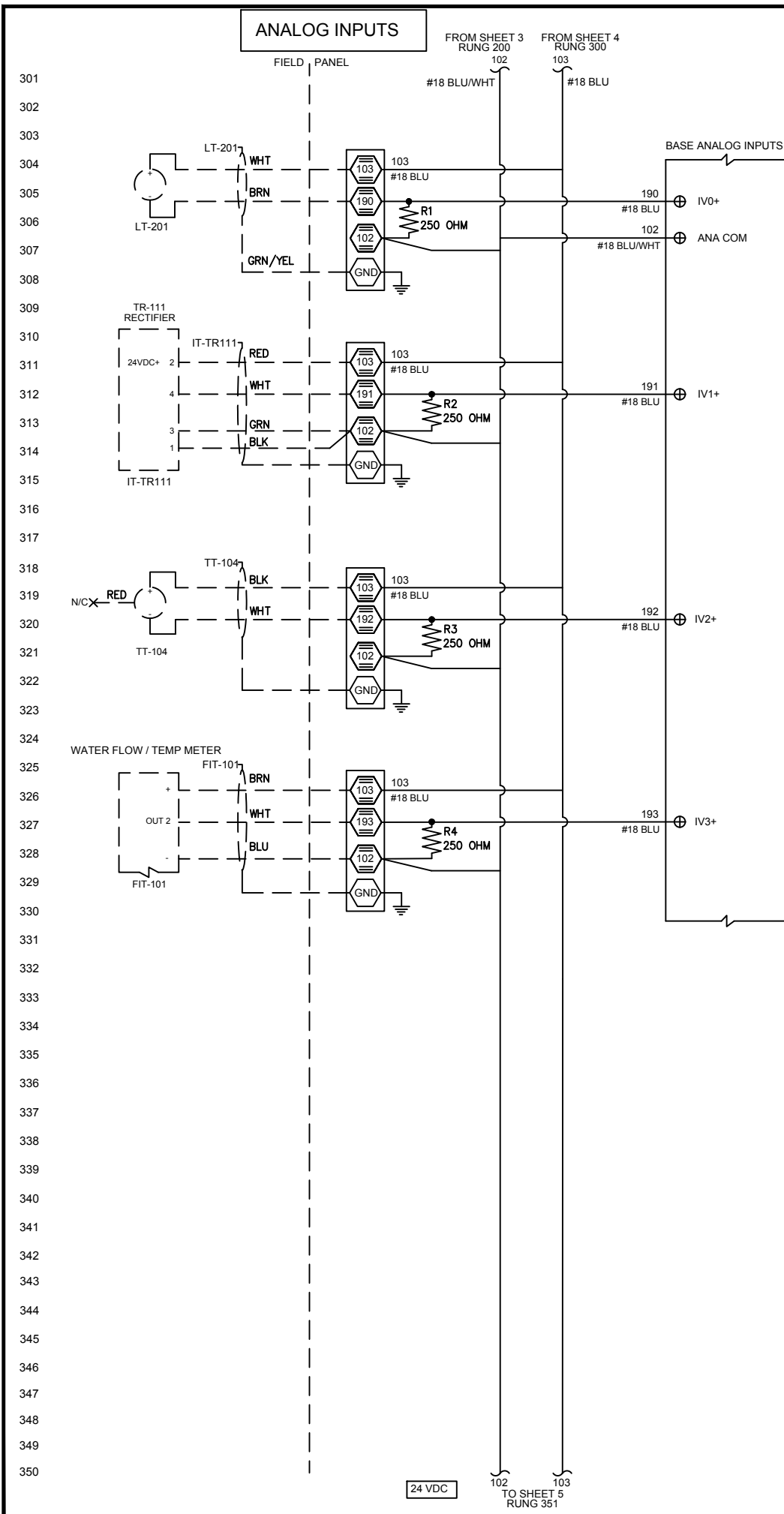
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 PSI WATER TECHNOLOGIES INC.
 550 SYCAMORE DRIVE
 MILPITAS, CA**

**MICROCLOR ON-SITE HYPOCHLORITE
 GENERATION SYSTEM MC160
 CONTROL PANEL
 DISCRETE OUTPUTS**

SIZE:	REV:
B	C
ICS JOB No:	3555
DWG No:	3555_PLC2_500
SCALE:	N/A
SHEET:	4 OF 6

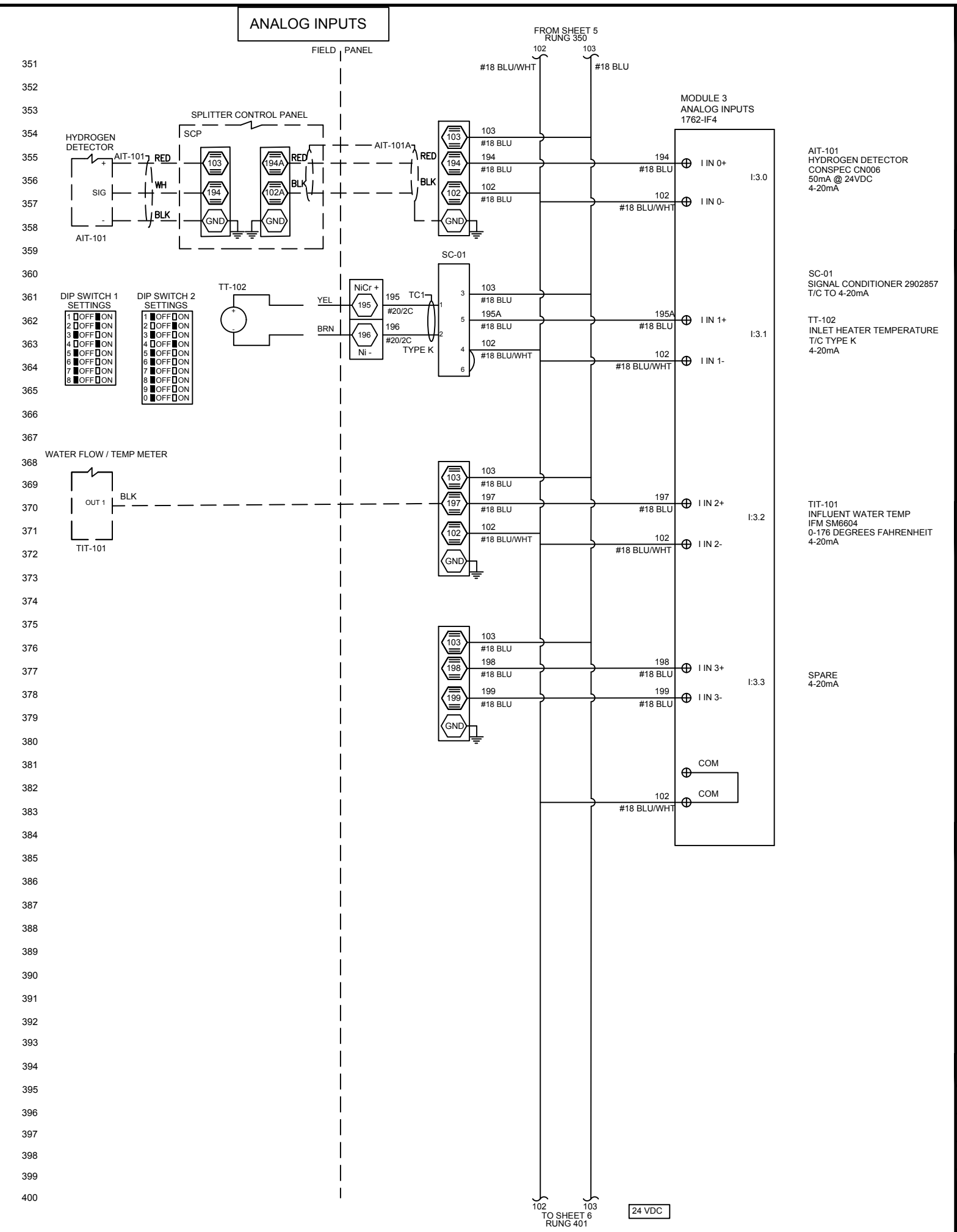


LT-201
HYPO TANK 1 LEVEL
ULTRASONIC LEVEL TRANSMITTER
VEGAPULS PS31-VCXXXN0HB
0-100FT
4-20mA

IT-TR111
CELL AMPS
4-20mA

TT-104
CELL TEMPERATURE
TEMPERATURE SENSOR
SIGNET 3-2350-3
0-100DEG. C
4-20mA

FIT-101
CELL FLOW
MAG METER FLOW SENSOR
IFM SM6604
22.1mA @ 24VDC
0-6.6GPM
4-20mA



AIT-101
HYDROGEN DETECTOR
4-20mA

DIP SWITCH 1 SETTINGS

1	OFF	ON
2	OFF	ON
3	OFF	ON
4	OFF	ON
5	OFF	ON
6	OFF	ON
7	OFF	ON
8	OFF	ON
9	OFF	ON
0	OFF	ON

DIP SWITCH 2 SETTINGS

1	OFF	ON
2	OFF	ON
3	OFF	ON
4	OFF	ON
5	OFF	ON
6	OFF	ON
7	OFF	ON
8	OFF	ON
9	OFF	ON
0	OFF	ON

TIT-101
INFLUENT WATER TEMP
IFM SM6604
0-176 DEGREES FAHRENHEIT
4-20mA

AIT-101
HYDROGEN DETECTOR
CONSPEC CN006
50mA @ 24VDC
4-20mA

SC-01
SIGNAL CONDITIONER 2902857
T/C TO 4-20mA

TT-102
INLET HEATER TEMPERATURE
T/C TYPE K
4-20mA

TIT-101
INFLUENT WATER TEMP
IFM SM6604
0-176 DEGREES FAHRENHEIT
4-20mA

SPARE
4-20mA

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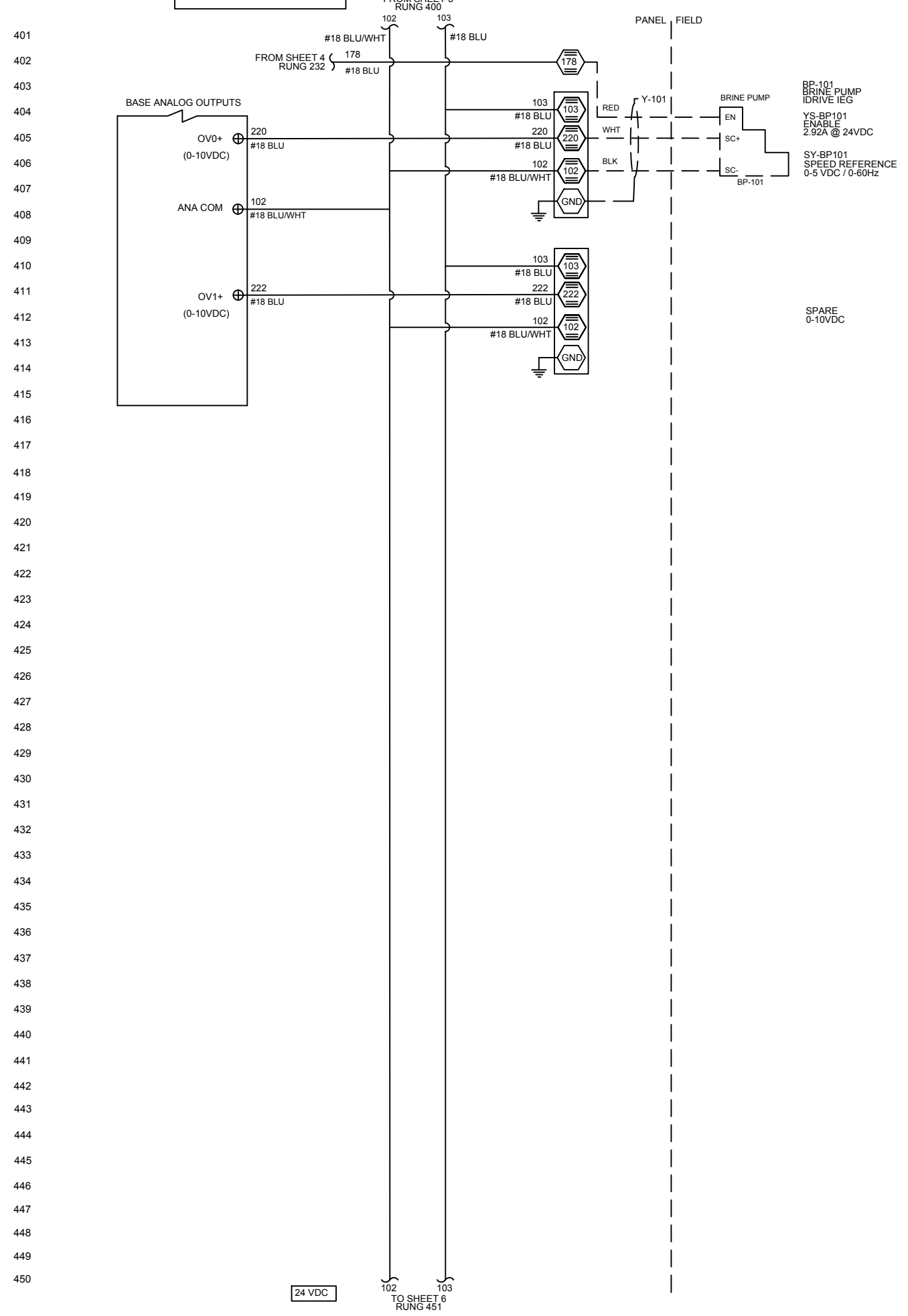
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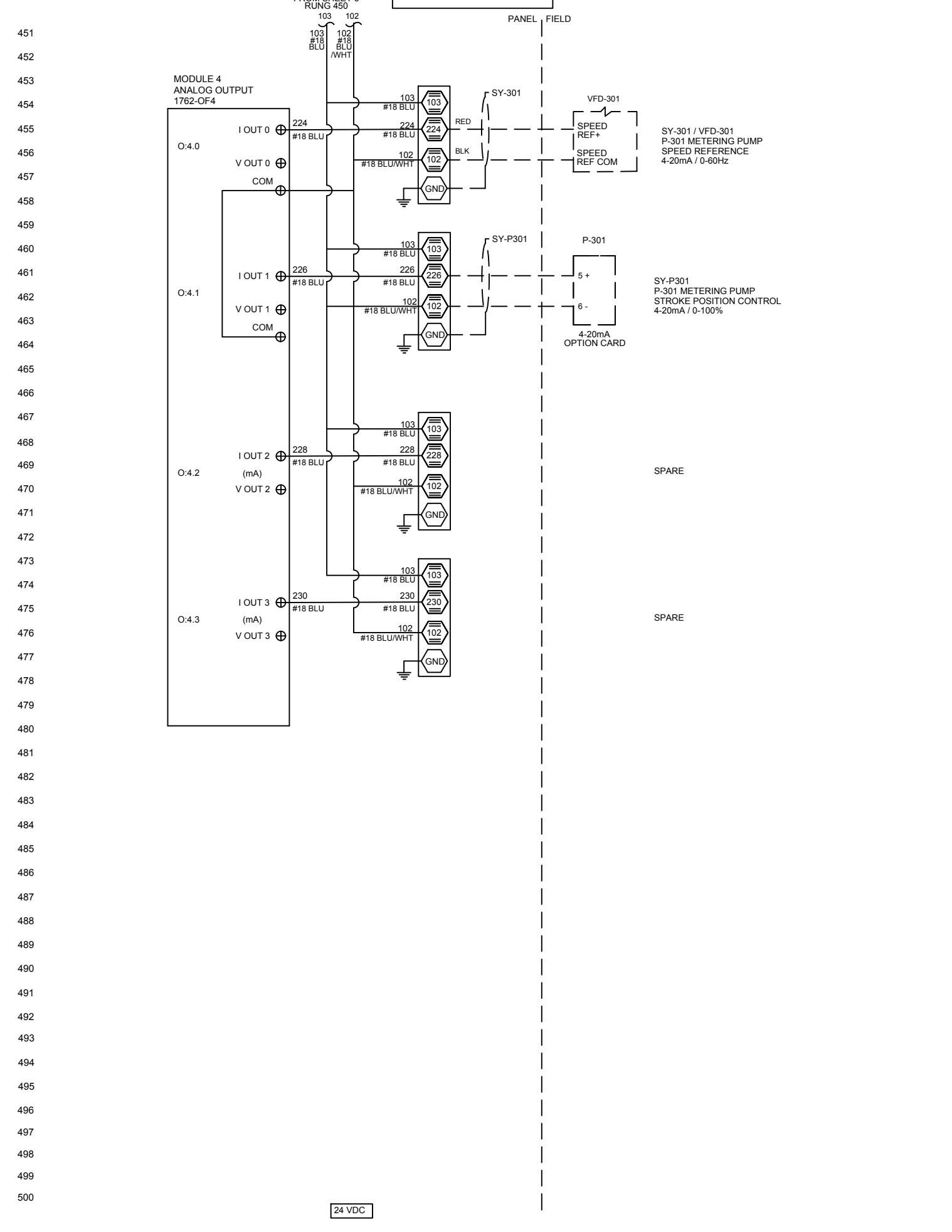
MICROCLOR ON-SITE HYPOCHLORITE GENERATION SYSTEM MC160 CONTROL PANEL ANALOG INPUTS

SIZE:	REV:
B	C
ICS JOB No: 3555	
DWG No: 3555_PLC2_500	
SCALE: N/A	
SHEET: 5 OF 6	

ANALOG OUTPUTS



ANALOG OUTPUTS



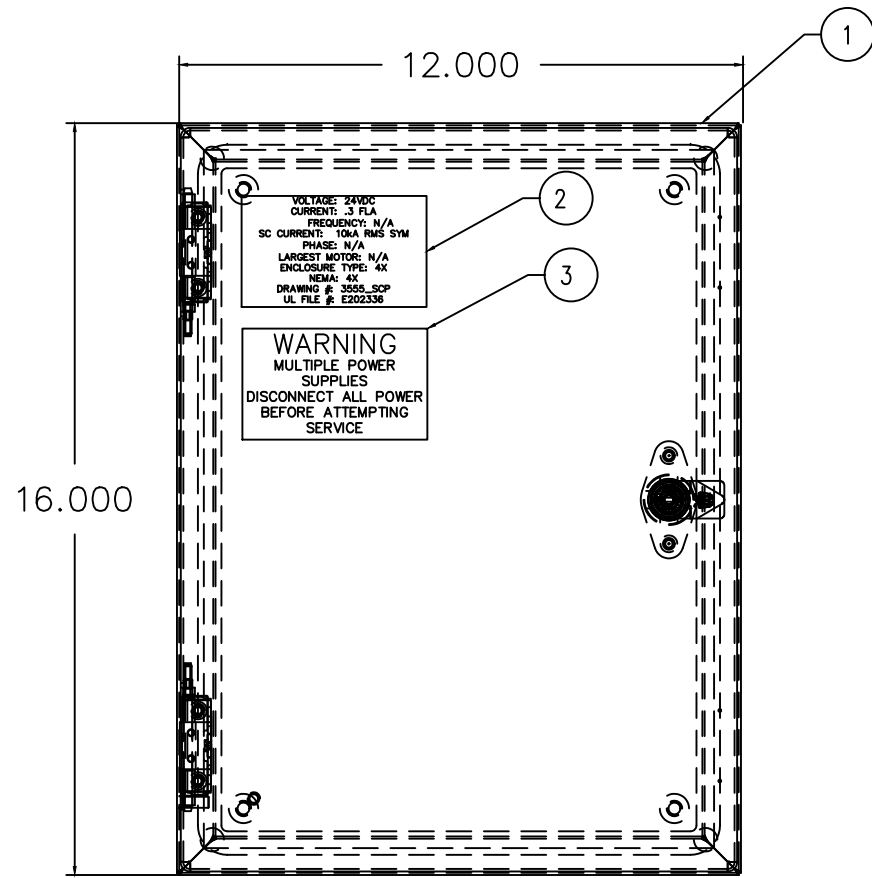
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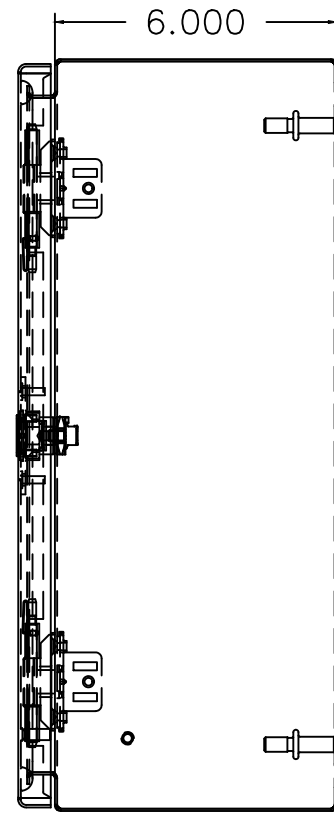
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 PYRAMID WTP
 PSI WATER TECHNOLOGIES INC.
 550 SYCAMORE DRIVE
 MILPITAS, CA**

**MICROCLOR ON-SITE HYPOCHLORITE
 GENERATION SYSTEM MC160
 CONTROL PANEL
 ANALOG OUTPUTS**

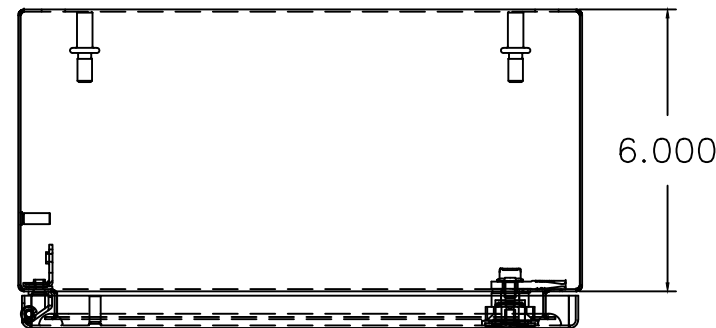
SIZE:	B	REV:	C
ICS JOB No:	3555		
DWG No:	3555_PLC2_500		
SCALE:	N/A		
SHEET:	6 OF 6		



FRONT VIEW



RIGHT VIEW



BOTTOM VIEW

NAME PLATE

VOLTAGE: 24VDC
CURRENT: .3 FLA
FREQUENCY: N/A
SC CURRENT: 10KA RMS SYM
PHASE: N/A
LARGEST MOTOR: N/A
UL ENCLOSURE TYPE: 4X
NEMA: 4X
DRAWING #: 3555_SCP
UL FILE #: E202336

WARNING

WARNING
MULTIPLE POWER
SUPPLIES
DISCONNECT ALL POWER
BEFORE ATTEMPTING
SERVICE

ITEM	REF	DESCRIPTION	MFG	PART#	QTY
1	ENCL	ENCLOSURE 16X12X6 NEMA 4X 304SS	HOFFMAN	CSD16126SS	1
2	LBL	CUSTOM NAMEPLATE LABEL	PHOENIX CONTACT	0828807	1
3	LBL	CUSTOM WARNING LABEL	PHOENIX CONTACT	0828909	1

TO MAINTAIN UL508A RATING, INCOMING POWER WIRES MUST BE COPPER AND BE RATED AT A MINIMUM OF 60 DEG. C. IF SERVICE IS GREATER THAN 100A WIRES MUST BE RATED AT A MINIMUM OF 75 DEG. C. TO MAINTAIN THE ENVIRONMENTAL RATING OF THIS ENCLOSURE, IN OPENINGS INSTALL ONLY LISTED OR RECOGNIZED CONTROL DEVICES WITH THE SAME ENVIRONMENTAL RATING AS THE ENCLOSURE

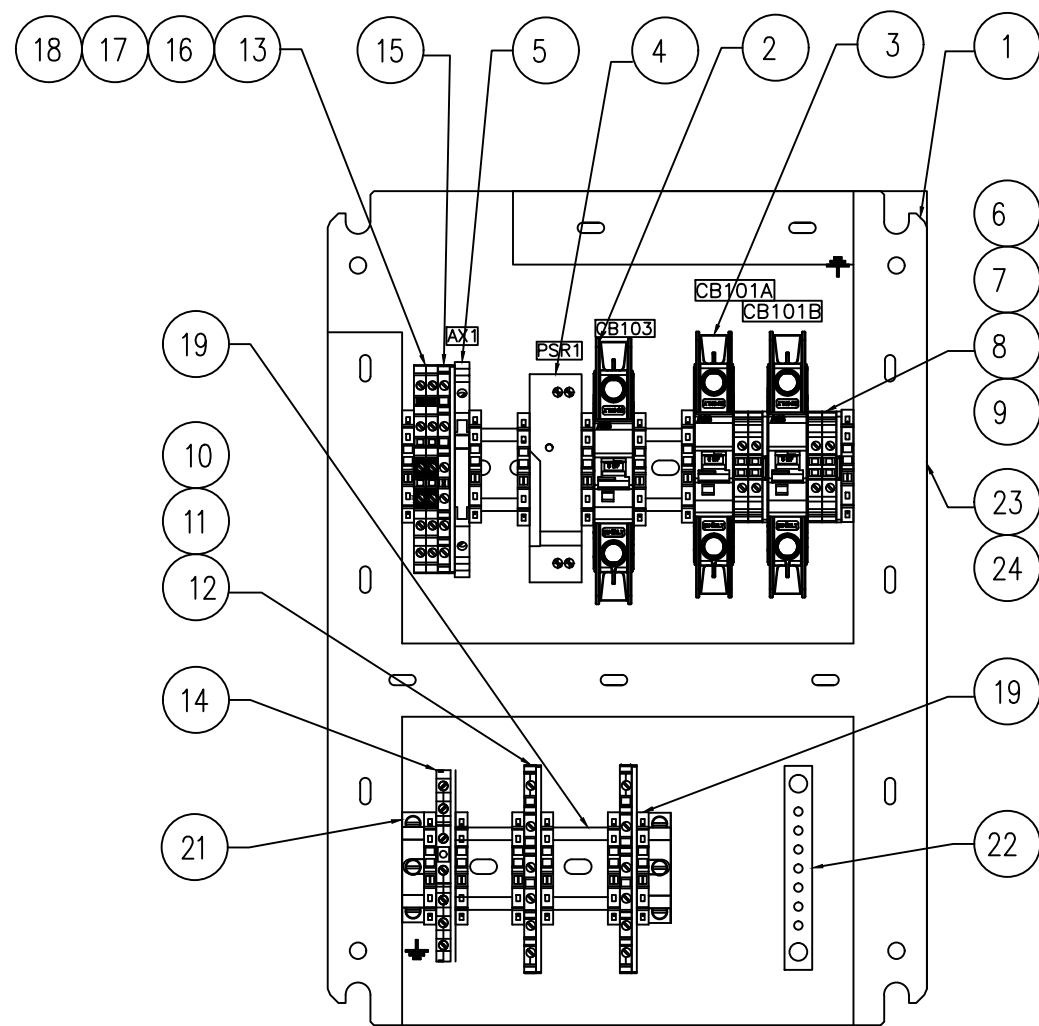
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PYRAMID WTP
PSI WATER TECHNOLOGIES INC.
550 SYCAMORE DRIVE
MILPITAS, CA**

**MICROCLOR ON-SITE HYPOCHLORITE
GENERATION SYSTEM
SPLITTER CONTROL PANEL
ENCLOSURE LAYOUT**

SIZE:	B	REV:	B
ICS JOB No:	3555		
DWG No:	3555_SCP_100		
SCALE:	N/A		
SHEET:	1 OF 1		



ITEM	REF	DESCRIPTION	MFG	PART#	QTY
1	PNL	BACK PANEL 16X12	HOFFMAN	CP1612	1
2	CB103	CIRCUIT BREAKER 1 POLE 2A UL489, IC=10KA	ABB CONTROLS	SU201M-K2	1
3	CB100A,B	CIRCUIT BREAKER 1 POLE 1A UL489, IC=10KA	ABB CONTROLS	SU201M-K1	2
4	PSR1	POWER SUPPLY REDUNDANCY MODULE UNO 2X10A 24VDC	PHOENIX CONTACT	2905489	1
5	AX1	SIGNAL SPLITTER 1-CHANNEL INPUT 2-CHANNEL OUTPUT	PHOENIX CONTACT	2864176	1
6	TB1	SINGLE TIER TERMINAL	PHOENIX CONTACT	3044102	4
7	TB1	SINGLE TIER GROUND TERMINAL	PHOENIX CONTACT	3044128	2
8	TB1	SINGLE TIER TERMINAL END SECTION	PHOENIX CONTACT	3047028	2
9	TB1	SINGLE TIER TERMINAL LABELS	PHOENIX CONTACT	0828736	1
10	TB1	DOUBLE TIER TERMINAL WITH GROUND	PHOENIX CONTACT	3214301	2
11	TB1	DOUBLE TIER TERMINAL WITH GROUND END SECTION	PHOENIX CONTACT	3214314	2
12	TB1	DOUBLE TIER TERMINAL WITH GROUND LABEL	PHOENIX CONTACT	0828734	1
13	TB1	TRIPLE TIER TERMINAL INTERNALLY JUMPERED	PHOENIX CONTACT	3214262	2
14	TB1	TRIPLE TIER TERMINAL WITH GROUND	PHOENIX CONTACT	2718206	1
15	TB1	TRIPLE TIER GROUND TERMINAL	PHOENIX CONTACT	3214275	1
16	TB1	TRIPLE TIER TERMINAL END SECTION	PHOENIX CONTACT	3214314	4
17	TB1	TRIPLE TIER TERMINAL JUMPER	PHOENIX CONTACT	3032127	1
18	TB1	TRIPLE TIER TERMINAL LABELS	PHOENIX CONTACT	0828734	1
19	TB1	END CLAMP QUICK MOUNTING 5.15mm	PHOENIX CONTACT	3022276	13
20	TB1	DIN RAIL (2 METERS OR 6.5') PRE-PUNCHED 35MM	PHOENIX CONTACT	0801733	1
21	TB1	BRACKET ANGLE SUPPORT	PHOENIX CONTACT	1201099	2
22	GND	GROUND BAR 5-CIRCUIT	CUTLER-HAMMER	GBK5	1
23	WIREWAY	WIREDUCT 1"X3"X12"	PANDUIT	F1X3LG6	4
24	WIREWAY	WIREDUCT COVER, 1"X12"	PANDUIT	C1LG6	4
25	MISC.	MISC. ITEMS - PANDUIT, RESISTORS, WIRE, MARKERS, FERRULES, HARDWARE	ICS	MISC.	1

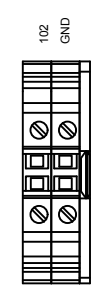
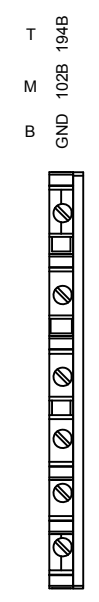
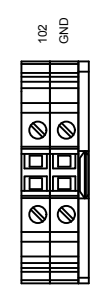
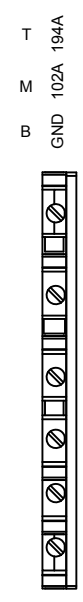
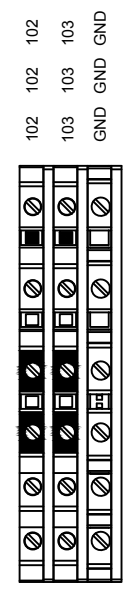
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UNALASKA, AK
PYRAMID WTP
PSI WATER TECHNOLOGIES INC.
 550 SYCAMORE DRIVE
 MILPITAS, CA

MICROCLOR ON-SITE HYPOCHLORITE GENERATION SYSTEM SPLITTER CONTROL PANEL BACK PANEL LAYOUT

SIZE: B REV: B
 ICS JOB No: 3555
 DWG No: 3555_SCP_150
 SCALE: N/A
 SHEET: 1 OF 2



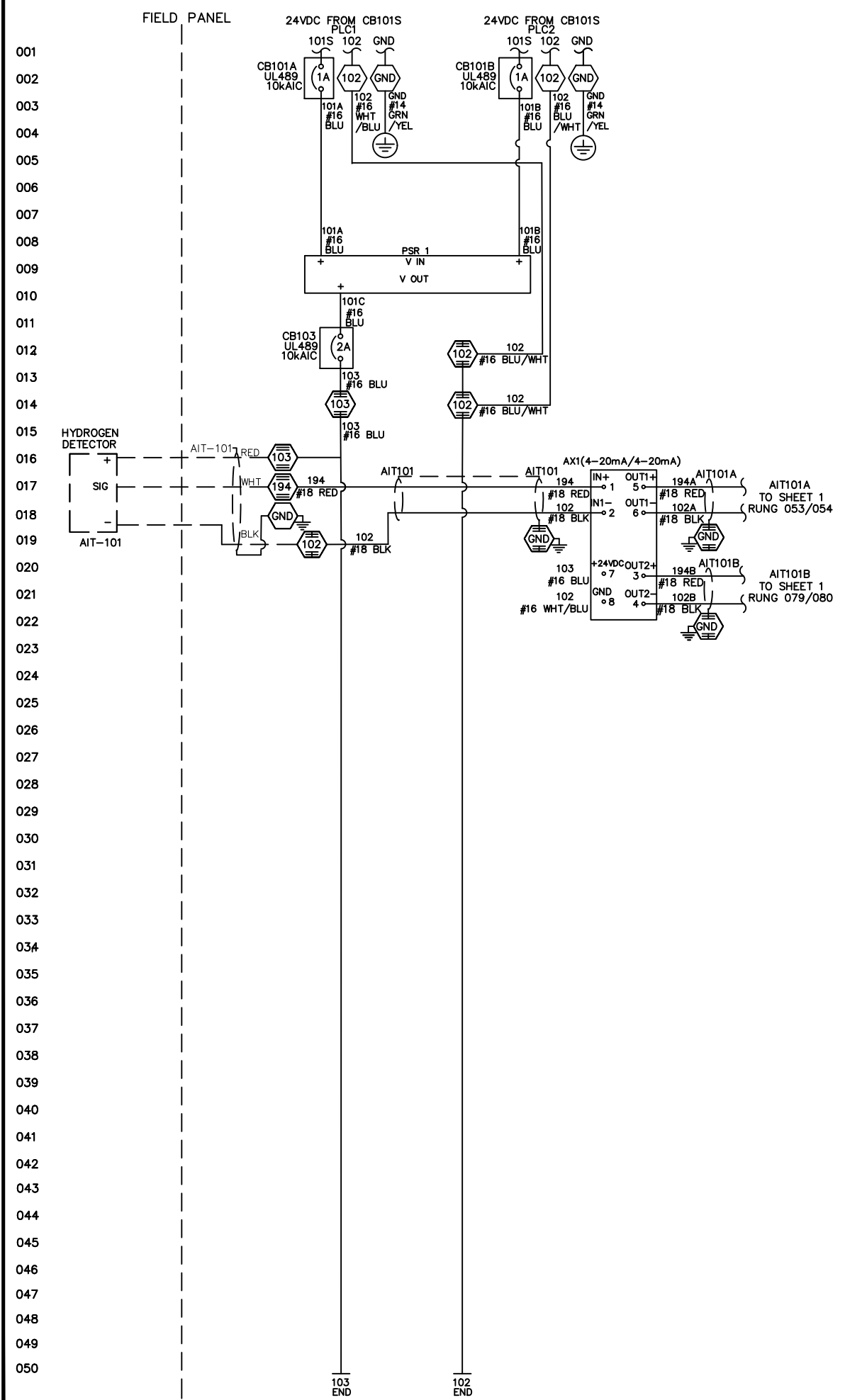
SIZE:	REV:
B	B
ICS JOB No: 3555	
DWG No: 3555_SCP_150	
SCALE: N/A	
SHEET: 2 OF 2	

MICROCLOR ON-SITE HYPOCHLORITE
GENERATION SYSTEM
SPLITTER CONTROL PANEL
TERMINAL STRIP LAYOUT

UNALASKA, AK
PYRAMID WTP
PSI WATER TECHNOLOGIES INC.
550 SYCAMORE DRIVE
MILPITAS, CA

ICSONLINE
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CB101A,B
UL489 CIRCUIT BREAKER
1 POLE DIN RAIL MOUNT IC = 10kAIC
250VAC/90VDC @ 1A
ABB SU201M-K1

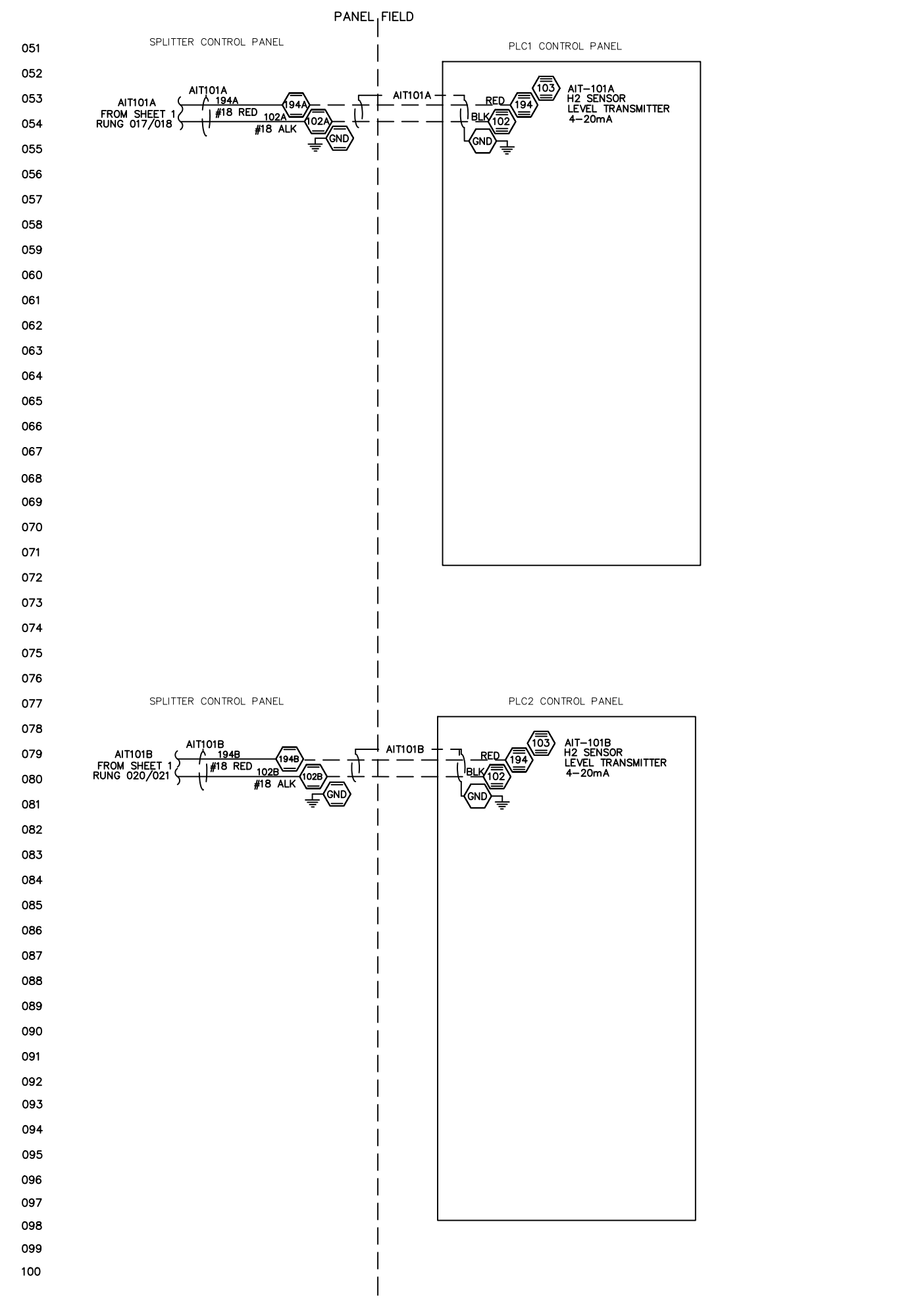
PSR
REDUNDANCY MODULE
(2)24VDC IN TO (1)24VDC OUT
PHOENIX 2905489

CB103
UL489 CIRCUIT BREAKER
1 POLE DIN RAIL MOUNT IC = 10kAIC
250VAC/90VDC @ 2A
ABB SU201M-K2

AX1
HYPO TANK LEVEL 201
ANALOG SPLITTER AX1
(1)4-20mA IN / (2) 4-20mA OUT
PHOENIX CONTACT 2864176

DIP SWITCH
SETTINGS

1	DOFF	ON
2	DOFF	ON
3	DOFF	ON
4	DOFF	ON
5	DOFF	ON
6	DOFF	ON



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UNALASKA, AK
PYRAMID WTP
PSI WATER TECHNOLOGIES INC.
550 SYCAMORE DRIVE
MILPITAS, CA

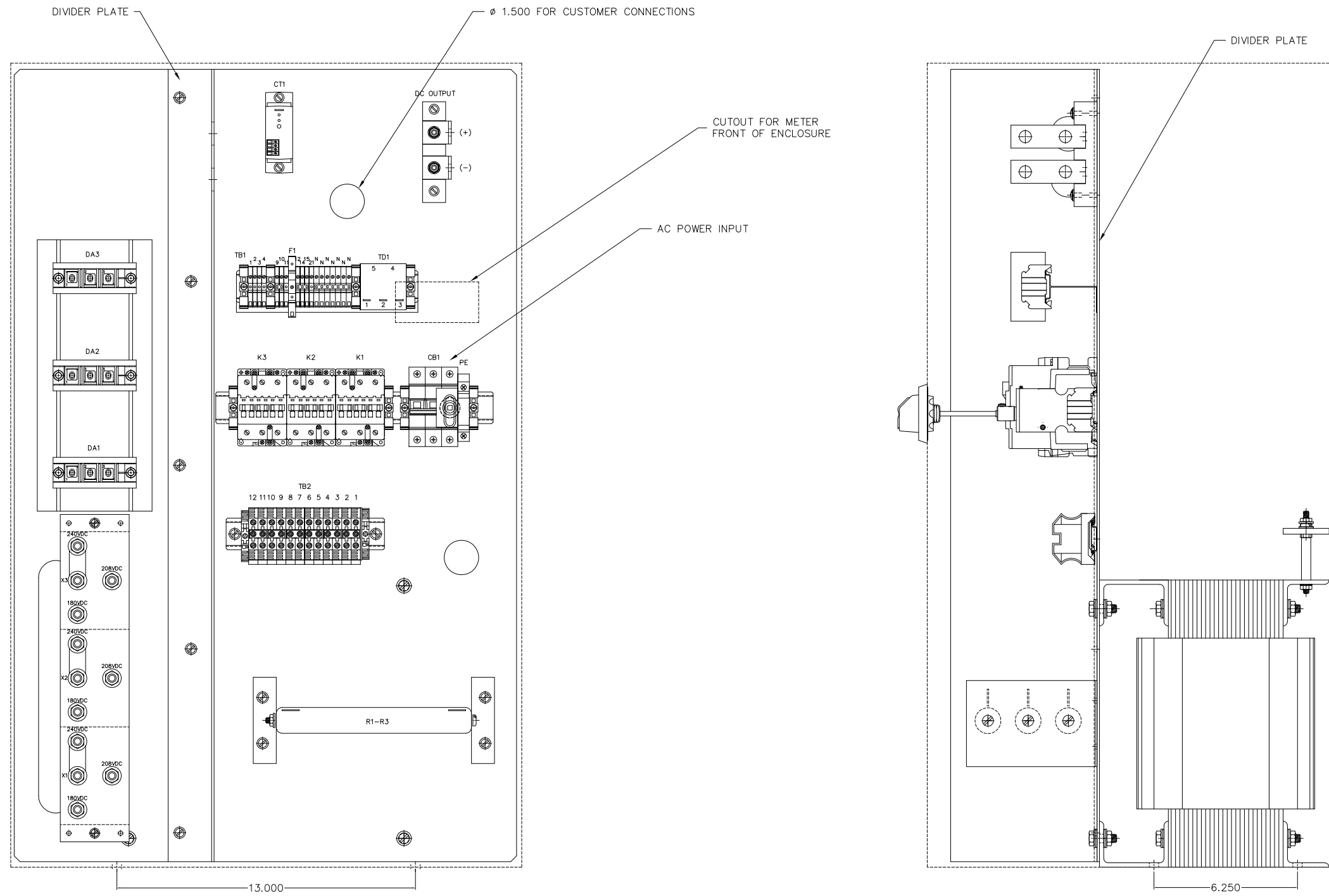
MICROCLOR ON-SITE HYPOCHLORITE
GENERATION SYSTEM
SPLITTER CONTROL PANEL
BACK PANEL LAYOUT


SIZE:	REV:
B	B
ICS JOB No:	3555
DWG No:	3555_SCP_500
SCALE:	N/A
SHEET:	1 OF 1

SECTION 9.3

TRANSFORMER RECTIFIER

ELECTRONIC LAYOUT



 QUALITY TRANSFORMER and ELECTRONICS		
SIZE	DRAWING NO	REV
C	9329-400	D
SCALE = NONE		SHEET 2 OF 2

SECTION 9.4

INSTRUMENTATION

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4

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8

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UNALASKA, AK
 PYRAMID WTP

MICROCLOR ON-SITE HYPOCHLORITE GENERATION SYSTEM
 MC-160 (160 PPD)

PIPING & INSTRUMENTATION DIAGRAM

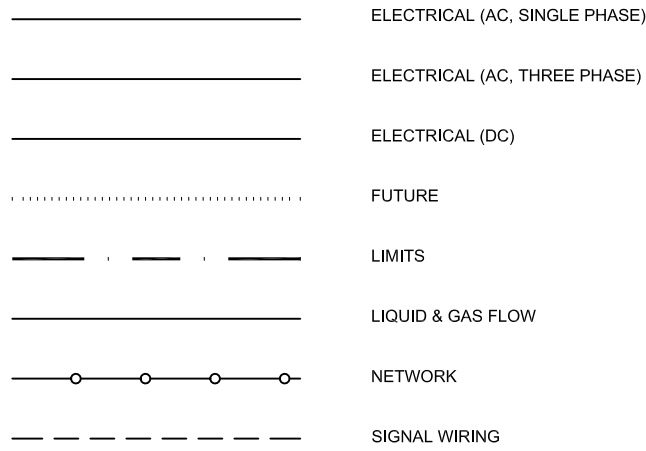
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△B	07/27/21	KF	REVISED PER COMMENTS	△			
△				△			
△				△			

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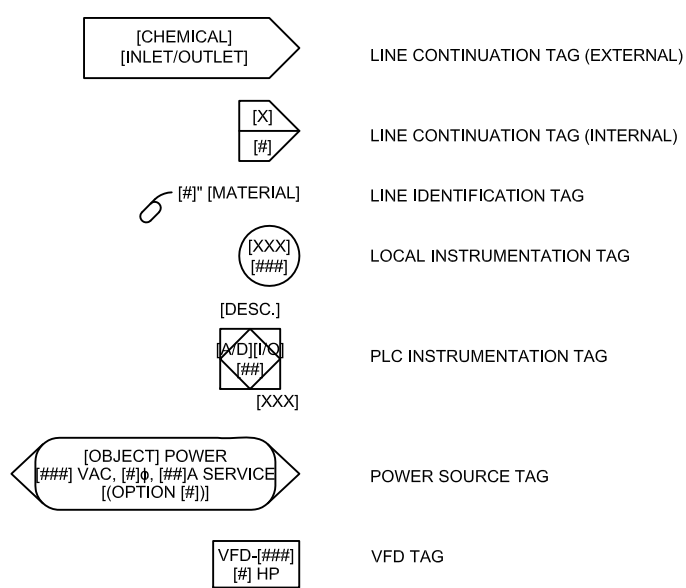
	
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CHECKED BY: T. CASTELLI	DATE: 06/03/2021
SCALE: N/A	SIZE:

PROJECT:	UNALASKA, AK PYRAMID WTP
SUBJECT:	MICROCLOR MC-160 PIPING & INSTRUMENTATION DIAGRAM
DWG #:	921011-MC0160-PI
SHEET	1 OF 7
REV.	B

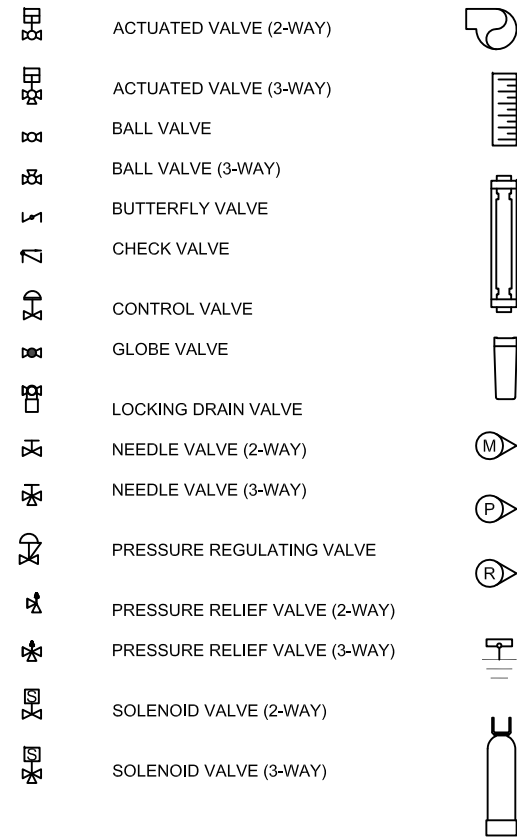
LINE TYPES



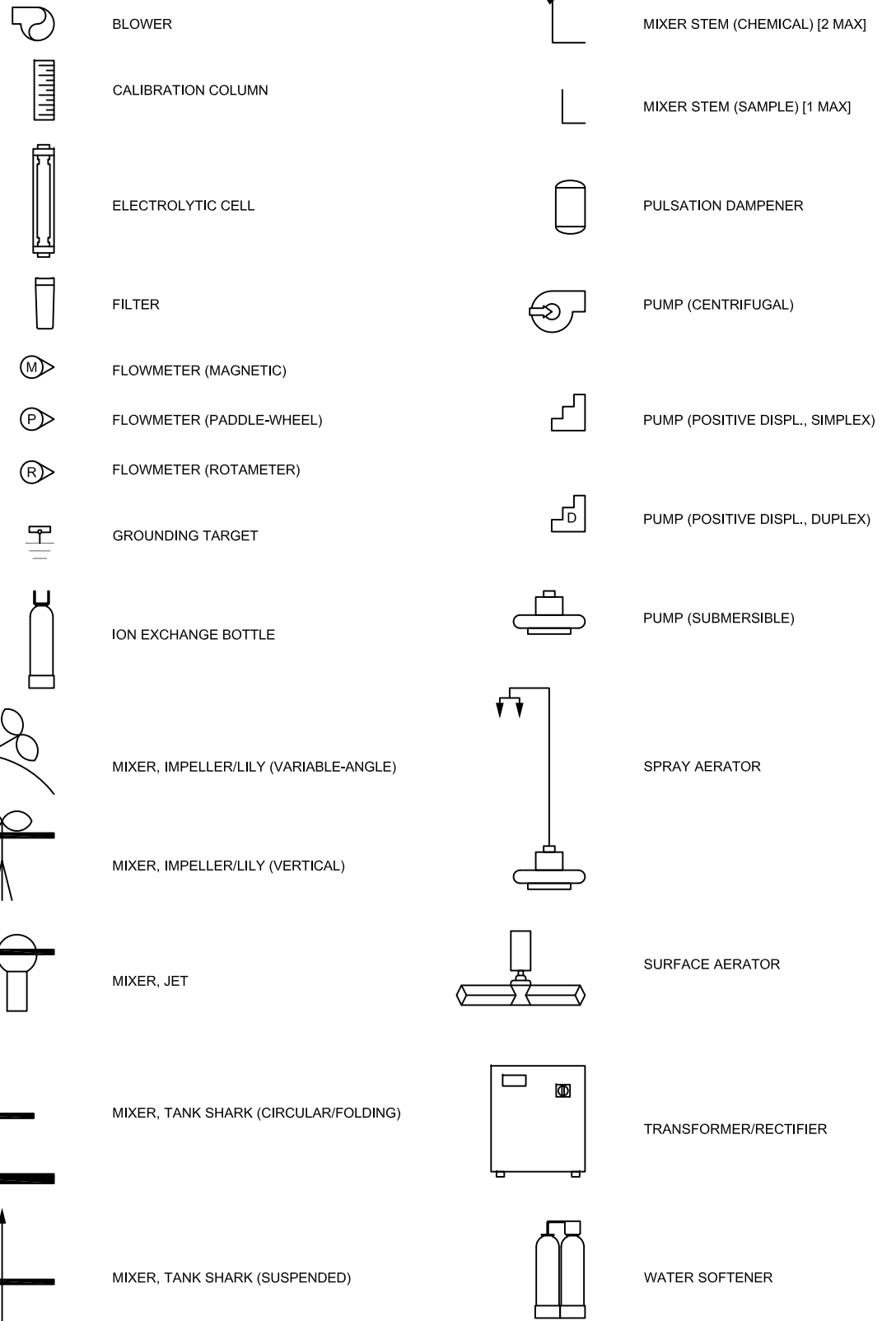
TAGS



VALVES



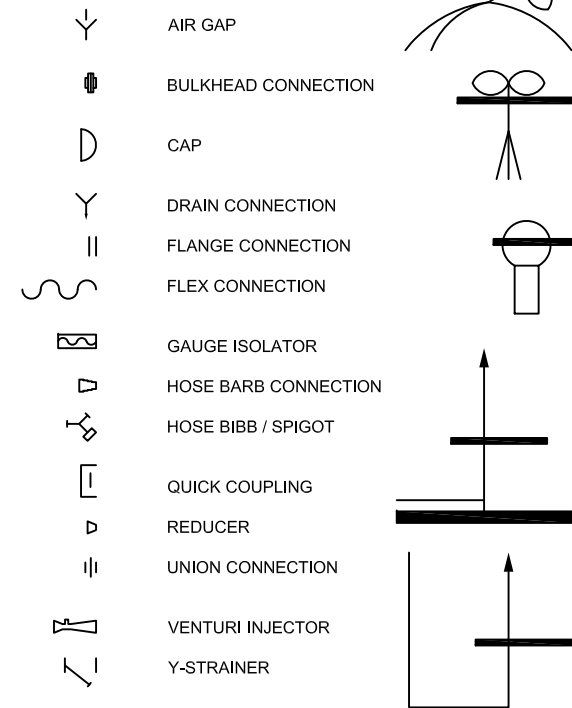
EQUIPMENT



ISA INSTRUMENT LETTER ID

LETTER	PROCESS VARIABLE	MODIFIER	READOUT/OUTPUT FUNCTION	MODIFIER
A	ANALYZER		ALARM	
B	BURNER		USER'S CHOICE	USER'S CHOICE
C	USER'S CHOICE	CONTROL	CONTROL	CLOSE
D	USER'S CHOICE	DIFFERENTIAL		
E	VOLTAGE		PRIMARY ELEMENT	
F	FLOW	RATIO		
G	USER'S CHOICE		GLASS	
H	HAND			HIGH
I	CURRENT		INDICATE	
J	POWER	SCAN		
K	TIME		CONTROL SITUATION	
L	LEVEL		LIGHT	LOW
M	USER'S CHOICE	MOMENTARY		INTERMEDIATE
N	USER'S CHOICE		USER'S CHOICE	USER'S CHOICE
O	USER'S CHOICE		ORIFICE	OPEN
P	PRESSURE		POINT (TEST CONNECTION)	
Q	QUANTITY	INTEGRATE, TOTALIZE		
R	RADIATION	RELIEF	RECORD	
S	SPEED	SAFETY	SWITCH	
T	TEMPERATURE		TRANSMIT	
U	MULTI-VARIABLE		MULTI-FUNCTION	MULTI-FUNCTION
V	VIBRATION		VALVE, DAMPER	
W	WEIGHT, FORCE		WELL	
X	UNCLASSIFIED	X-AXIS	UNCLASSIFIED	UNCLASSIFIED
Y	EVENT, STATE	Y-AXIS	RELAY, COMPUTE	
Z	POSITION	Z-AXIS	DRIVER, ACTUATOR, UNCL. F.C.E.	

FITTINGS



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SCALE:	N/A

PROJECT:	UNALASKA, AK PYRAMID WTP
SUBJECT:	MICROCLOR MC-160 PIPING & INSTRUMENTATION DIAGRAM
DWG #:	921011-MC0160-PI
SHEET	2 OF 7
REV.	B

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NOTES

- 1 PSI IS NOT RESPONSIBLE FOR ANY INTERCONNECTING TUBING, PIPING, FITTINGS, VALVES, ANCHORS, FASTENERS, OR SUPPORTS OF ANY KIND.
- 2 48" MINIMUM VERTICAL SEPARATION BETWEEN VENT HEADER (MEASURED AT LOW POINT) AND HYPOCHLORITE OUTLET (MEASURED AT HIGH POINT).
- 3 BLOWER MOUNTED 24" MAXIMUM ABOVE BASE OF GENERATOR SKID.
- 4 BLOWER REQUIRES 32" OF STRAIGHT PIPE BEFORE ANY ELBOWS OR VALVES.

A

A

B

B

C

C

D

D

E

E

F

F

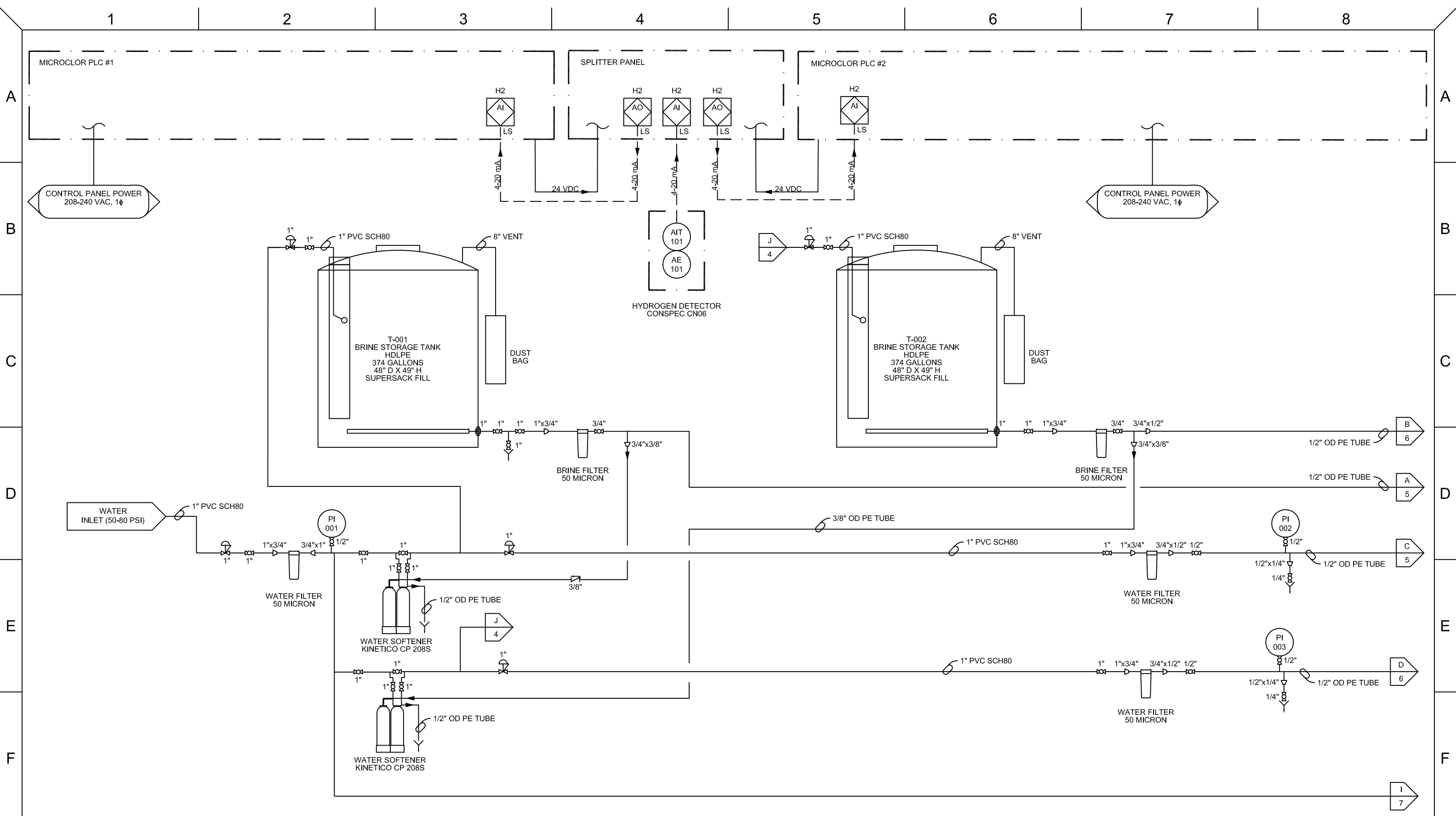
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Δ B	07/27/21	KF	REVISED PER COMMENTS	Δ			
Δ				Δ			
Δ				Δ			

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CHECKED BY:	T. CASTELLI	DATE:	06/03/2021
SCALE:	N/A	SIZE:	

PROJECT:	UNALASKA, AK PYRAMID WTP
SUBJECT:	MICROCLOR MC-160 PIPING & INSTRUMENTATION DIAGRAM
DWG #:	921011-MC0160-PI
SHEET	3 OF 7
REV.	B



REV. Δ	DATE	BY	DESCRIPTION	REV. Δ	DATE	BY	DESCRIPTION
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B	07/27/21	KF	REVISED PER COMMENTS	Δ			
Δ				Δ			
Δ				Δ			

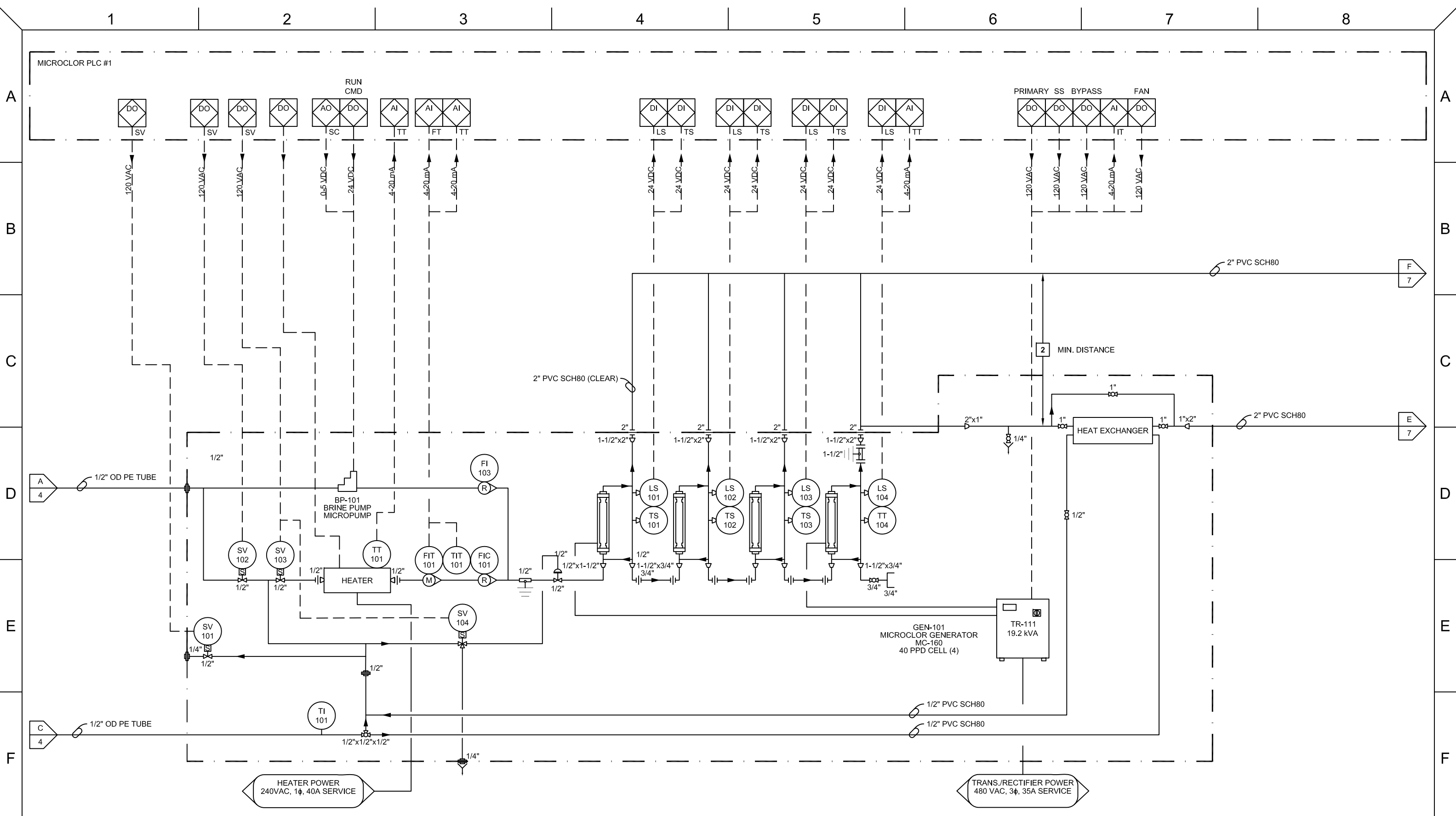
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PSI Water Technologies
A UGSI SOLUTIONS COMPANY

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SCALE: N/A

DATE: 06/02/2021
DATE: 06/03/2021
SIZE:

PROJECT:	UNALASKA, AK PYRAMID WTP
SUBJECT:	MICROCLOR MC-160 PIPING & INSTRUMENTATION DIAGRAM
DWG #:	921011-MC0160-PI
SHEET	4 OF 7
REV.	B



REV. Δ	DATE	BY	DESCRIPTION	REV. Δ	DATE	BY	DESCRIPTION
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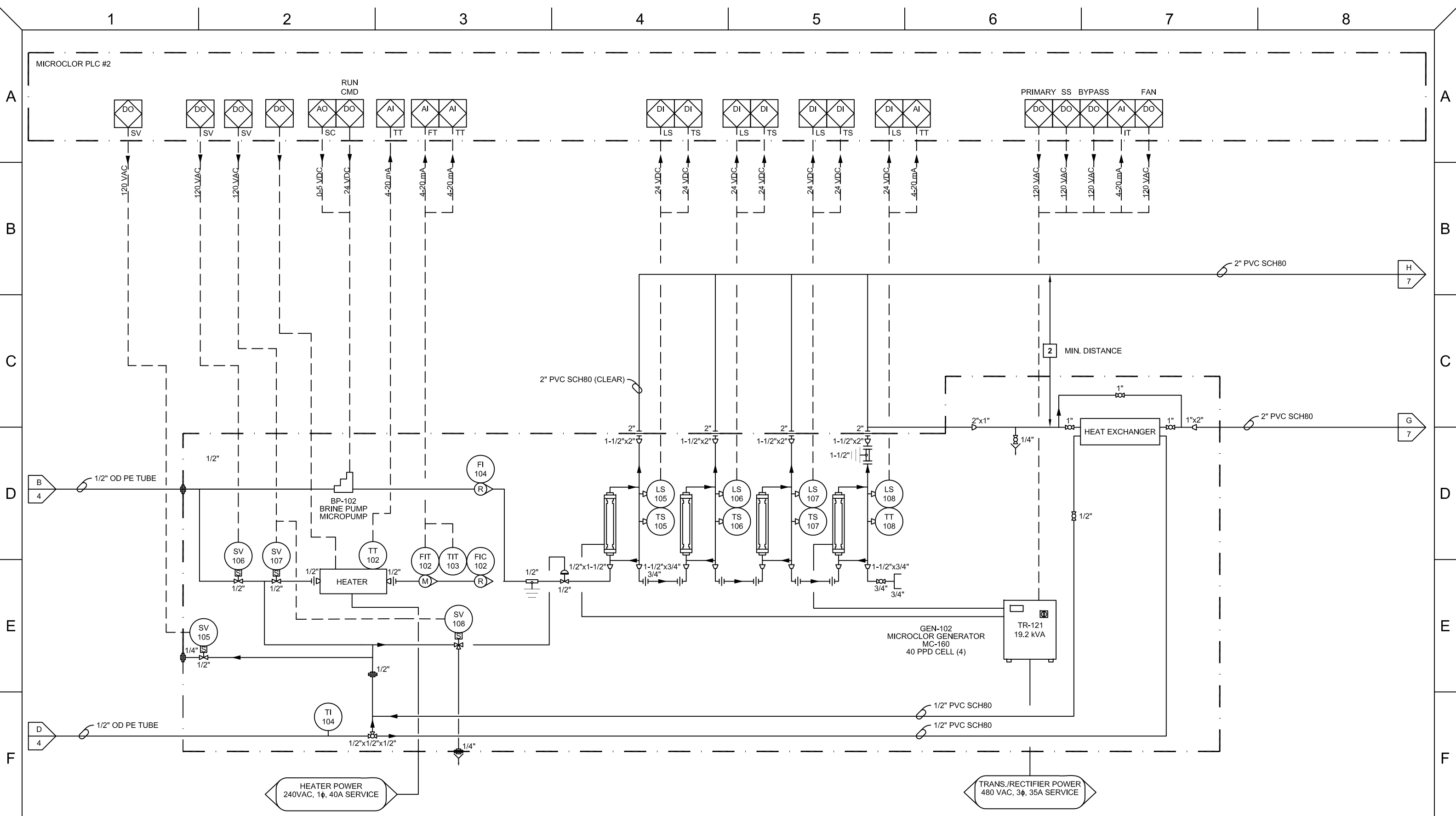
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PSI Water Technologies
A UGSI SOLUTIONS COMPANY

DRAWN BY: H. HUANG
 CHECKED BY: T. CASTELLI
 SCALE: N/A

DATE: 06/02/2021
 DATE: 06/03/2021
 SIZE:

PROJECT:	UNALASKA, AK PYRAMID WTP
SUBJECT:	MICROCLOR MC-160 PIPING & INSTRUMENTATION DIAGRAM
DWG #:	921011-MC0160-PI
SHEET	5 OF 7
REV.	B



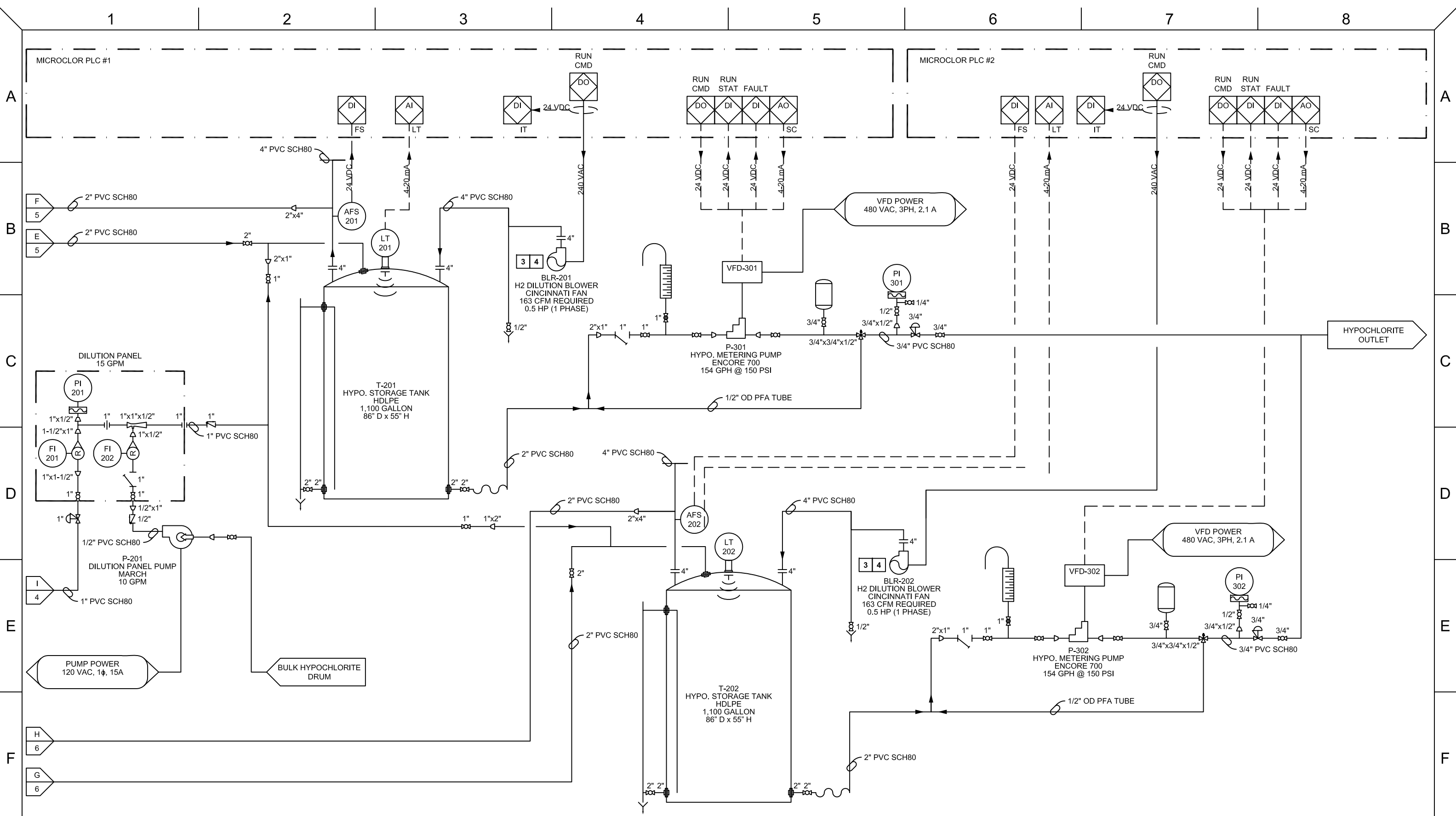
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 SCALE: N/A SIZE:

PROJECT:	UNALASKA, AK PYRAMID WTP
SUBJECT:	MICROCLOR MC-160 PIPING & INSTRUMENTATION DIAGRAM
DWG #:	921011-MC0160-PI SHEET 6 OF 7 REV. B



REV. Δ	DATE	BY	DESCRIPTION	REV. Δ	DATE	BY	DESCRIPTION
A	06/02/21	HH	FOR SUBMITTAL	Δ			
B	07/27/21	KF	REVISED PER COMMENTS	Δ			
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Δ				Δ			

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PSI Water Technologies
A UGSI SOLUTIONS COMPANY

DRAWN BY: H. HUANG
CHECKED BY: T. CASTELLI
SCALE: N/A

DATE: 06/02/2021
DATE: 06/03/2021
SIZE:

PROJECT:	UNALASKA, AK PYRAMID WTP
SUBJECT:	MICROCLOR MC-160 PIPING & INSTRUMENTATION DIAGRAM
DWG #:	921011-MC0160-PI
SHEET	7 OF 7
REV.	B



Benefits

- Low Cost
- Industry Standard Output Signal
- Supports Several Gas Sensing Technologies
- No Programming or “Burn-In Time” Required
- Gas Specific Sensors equal No False Alarms
- Maintenance Free Operation
- Adjustment Free, One Person Calibration Procedure
- Reliable & Stable Operation

Conspec's **CN Series** is an economical choice for toxic, combustible, and Oxygen gas monitoring. The CN Series is a simple and “smart” gas detector. An industry standard 4-20mA Analog output signal can be connected to any existing PLC, DCS, or EMS system. A simplified calibration procedure allows for a quick, non-intrusive, adjustment free calibration.

Installation time and costs are significantly reduced because all transmitters are shipped factory preprogrammed, calibrated, and tested on day of shipment. Installation cost can also be significantly reduced because the units can be connected on a single 4-conductor cable via RS-485 instead of having to route individual cables to each unit.

Applications

- Automotive Facilities
- Factories/Warehouses
- Boiler/Generating Rooms
- Water Treatment Facilities
- Wastewater Treatment Plants
- Chemical Processing
- Petrochemical Exploration
- Pulp & Paper Mills
- Pharmaceutical Labs
- Telecommunication Facilities
- Semiconductor Facilities
- Power/Cogeneration Plants

Key Features

- Bright LED Status Indicators
- A Clear & Back-lit LCD Display
- Long Sensor Life
- Automatic Reset After Power Loss/Interruption
- Temperature & Humidity Compensated
- High Immunity to RFI &EMI
- One Year Limited Warranty



Specifications

Mechanical

Available Options

- UP99 Hand-Held IR Programmer/Calibrator
- P9027 Enclosure Mounted Halogen Strobe
- P2063-3 Enclosure Mounted Audible Horn
- P1643-2 Remote Alarm Panel
- P1907 Relay Contacts
- P1879 Calibration Kits

Ordering Information

• CNxx (Select Gas Below)

- 01-Ammonia
- 02-Carbon Dioxide
- 03-Carbon Monoxide
- 04-Chlorine
- 05-Combustibles
- 06-Hydrogen
- 07-Hydrogen Chloride
- 08-Hydrogen Sulfide
- 09-Nitric Oxide
- 10-Nitrogen Dioxide
- 11-Oxygen
- 12-Ozone
- 13-Sulfur Dioxide
- ****Other Gases Consult Factory

Enclosure: NEMA 4X

Dimensions: 4.5"x5"x4"

Weight: Approximately 3 Pounds

Mounting: 4 Holes

Conduit Entry: One (3/4" Cable Grip)

Environmental

Operating Temperature: -4°F to 120°F (-20°C to 50°C)

Temperature Compensation: Full Temperature Range

Operating Humidity: 10% to 95% RH Non-Condensing

Electrical

Operating Voltage: 12-24VDC

Cable Requirements: 3-Conductor 18 AWG Suggested

Current Consumption: 50mA Full Scale

Output Signal: Linear 4-20mA

System

Sensor Types: Electrochemical, Catalytic Bead, Infrared, Photo-Ionization, Thermal Conductivity

Keypad: 9 Button Infrared Remote Control

Modes: Two (Calibration & Normal)

Display: Two Line, 8 Character Alphanumeric LCD Display

Status LED's: Green - Power; Yellow - Fan; Red - Alarm; Red/Green - Sensor Fail

Alarm Set Point #1: User Defined

Alarm Set Point #2: User Defined

Sales Representatives & Distributors



CONSPEC

CONSPEC Controls, Inc.

6 Guttman Blvd. • Charleroi, PA 15022

toll free: 1 (800) 487-8450 • fax: 1 (724) 489-9772

e-mail: sales.usa@conspec-controls.com

web site: www.conspect-controls.com

For Residential and Commercial Applications

Job Name _____

Contractor _____

Job Location _____

Approval _____

Engineer _____

Contractor's P.O. No. _____

Approval _____

Representative _____

LEAD FREE*

Series LF25AUB-Z3 Water Pressure Reducing Valves**

Sizes: ½" – 2" (15 – 50mm)

Series LF25AUB-Z3 Water Pressure Reducing Valves are designed to reduce incoming water pressure to a sensible level to protect plumbing system components and reduce water consumption. This series is suitable for water supply pressures up to 300psi (20.7 bar) and may be adjusted from 25 – 75psi (172 – 517 kPa). The LF25AUB-Z3 features Lead Free* construction to comply with Lead Free* installation requirements. The standard setting is 50psi (345 kPa). All parts are quickly and easily serviceable without removing the valve from the line. The standard bypass feature permits the flow of water back through the valve into the main when pressures, due to thermal expansion on the outlet side of the valve, exceed the pressure in the main supply.

Features

- Standard construction includes Z3 sealed spring cage and stainless steel corrosion resistant adjusting & cage screws for accessible outdoor or pit installations
- Union inlet connection
- Integral stainless steel strainer
- Replaceable seat module
- Lead Free* cast copper silicon alloy construction
- Serviceable in line
- Bypass feature controls thermal expansion pressure***
- High temperature resistant reinforced diaphragm for hot water

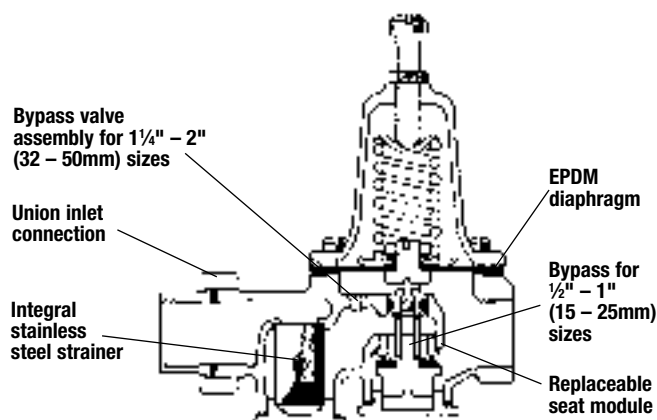
Models

LF25AUB-Z3	NPT threaded female union inlet x NPT female outlet
LF25AUB-S-Z3	Solder union inlet x NPT female outlet
LF25AUB-DU-Z3	Double Union – NPT threaded union female inlet and outlet
LF25AUB-S-DU-Z3	Double Union – Solder union inlet and outlet
LF25AUB-DU-THDxPEX-Z3	Double Union – NPT threaded female inlet and PEX union outlet
LF25AUB-DU-LF-Z3	Double union body less fittings (¾", 1", 1¼")
LF25AUB-QC-Z3	Single Union – Quick-Connect union inlet (½", ¾", 1")
LF25AUB-DU-QC-Z3	Double Union – Quick-Connect inlet and outlet (½", ¾", 1")

Specifications

A Water Pressure Reducing Valve with integral strainer shall be installed in the water service pipe near its entrance to the building where supply main pressure exceeds 60psi (413 kPa) to reduce it to 50psi (345 kPa) or lower. The water pressure reducing valve shall be constructed using Lead Free* materials. Lead Free* regulators shall comply with state codes and standards, where applicable, requiring reduced lead content. The valve shall feature a Lead Free* cast copper silicon alloy suitable for water supply pressures up to 300psi (20.7 bar). Provision shall be made to permit the bypass flow of water back through the valve into the main when pressures, due to thermal expansion on the outlet side of the valve, exceed the pressure in the main supply. Water Pressure Reducing Valve with built-in bypass check valves will be acceptable. Approved valve shall be listed to ASSE 1003 and IAPMO and certified to CSA B356. Valve shall be a Watts Series LF25AUB-Z3.

LF25AUB-Z3



*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

**A water saving test program concluded that reducing the supply pressure from 80-50psi (551-345 kPa) resulted in a water savings of 30%.

***The bypass feature will not prevent the pressure relief valve from opening on the hot water supply system with pressure above 150psi (10.3 bar).

Watts product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Watts Technical Service. Watts reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Watts products previously or subsequently sold.

Materials

Body: Lead Free* copper silicon alloy
 Seat: 1/2"-1" (15-25mm) Replaceable engineered polymer (10% glass filled Noryl®)
 1 1/4"-2" (32-50mm) Replaceable stainless steel
 Integral Strainer: Stainless steel
 Diaphragm: Reinforced EPDM with PTFE wetted surface
 Valve Disc: EPDM

Pressure – Temperature

Temperature Range: 33°F – 160°F (0.5°C – 71°C)
 Maximum Working Pressure: 300psi (20.7 bar)
 Adjustable Reduced Pressure Range: 25-75psi (172 – 517 kPa)
 Standard Reduced Pressure Setting: 50psi (345 kPa)

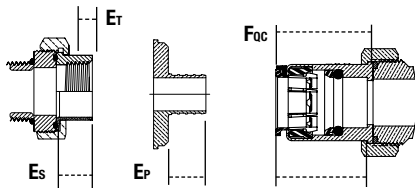
Options

Add Suffix
 G Gauge tapping, 1/8" (3mm)
 GG Gauge tapping and 160psi (11 bar) gauge
 HP High pressure range 75-125psi (5.2 – 8.6 bar) †
 LP Low pressure range 10-35psi (69 – 241 kPa) †
 Z7 400psi (27.6 bar) initial pressure, 1/2" (20mm) models only

† Not available on G or GG models

Noryl® is a registered trademark of SABIC Innovative Plastics™

Dimensions – Weights



- A** - LF25AUB-Z3
- A1** - LF25AUB-S-Z3
- A2** - LF25AUB-DU-LF-Z3
- B** - LF25AUB-DU-Z3
- B1** - LF25AUB-S-DU-Z3
- B2** - LF25AUB-DU-THDXPEX-Z3
- Et** - NPT Engagement for tight joint
- Es** - Female sweat socket depth
- Ep** - PEX end connection
- Foc** - Quick-Connect union

SIZE (DN)		DIMENSIONS													
		A		A1		A2		B		B1		B2		C	
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
1/2	15	5 3/8	137	5 1/16	135	5 3/16	132	6 7/16	164	6 3/8	162	-	-	7	178
3/4	20	5 5/8	135	5 1/4	140	5 1/4	133	6 1/4	165	6 7/8	175	6 3/4	171	7	178
1	25	6	152	6 1/4	159	5 7/8	149	7 3/8	187	7 13/16	198	7 11/16	195	8	203
1 1/4	32	8 7/4	222	8 7/16	221	8 7/4	210	10 3/4	273	11	279	-	-	9	229
1 1/2	40	8 3/4	222	9	229	8 3/4	210	10 3/4	273	11 1/16	284	-	-	9 1/2	241
2	50	9 1/4	235	10	254	8 3/4	222	11 3/16	287	12 11/16	322	-	-	11 1/4	286

SIZE (DN)		DIMENSIONS								WEIGHT							
		D		F ^Δ		G		Et		Es		Ep		Foc		lbs.	kgs.
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm		
1/2	15	1 1/2	38	9 7/16	240	3 1/8	79	1/2	13	1/2	13	-	-	1 1/2	38	3.5	1.6
3/4	20	1 1/2	38	9 7/8	240	3 1/4	79	1/2	13	3/4	19	5/8	16	1 1/4	42	3.5	1.6
1	25	1 3/4	44	10 7/16	266	3 5/8	92	5/8	16	15/16	23	13/16	21	1 3/4	45	6.5	3.0
1 1/4	32	2 7/8	54	11 7/16	291	3 7/8	92	7/8	16	1	25	-	-	-	-	10	4.5
1 1/2	40	2 3/8	60	11 15/16	304	4 1/16	103	5/8	16	1 1/16	28	-	-	-	-	10	4.5
2	50	3 3/4	83	13 11/16	348	4 3/4	121	5/8	16	1 7/16	34	-	-	-	-	15	6.8

Δ Dimension includes optional gauge



A Watts Water Technologies Company



ISO 9001-2008 CERTIFIED

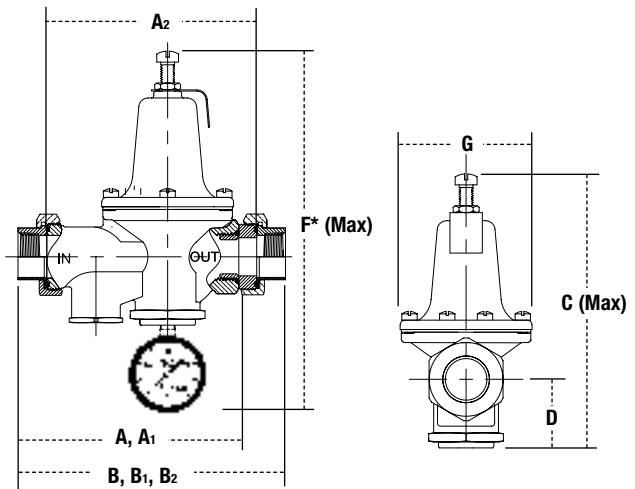
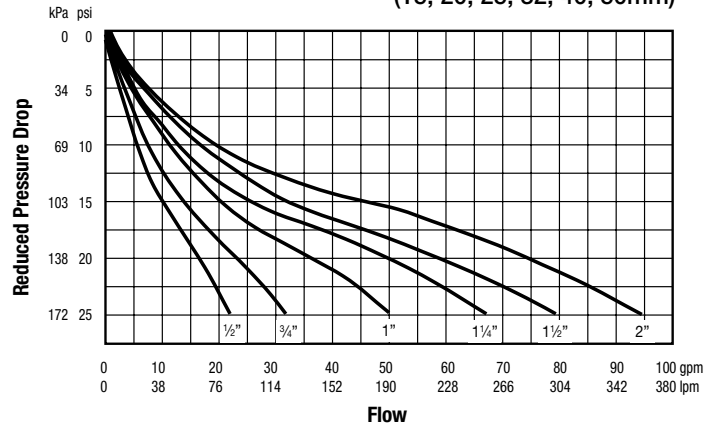
USA: Tel: (978) 688-1811 • Fax: (978) 794-1848 • www.watts.com
 Canada: Tel: (905) 332-4090 • Fax: (905) 332-7068 • www.watts.ca



Meets requirements of ASSE Standard 1003: ANSI A112.26.2: CSA Standard B356; Southern Standard Plumbing Code and listed by IAPMO. Military Standard MIL-V-18146B Type I.

Capacity

Sizes: 1/2", 3/4", 1", 1 1/4", 1 1/2", 2"
 (15, 20, 25, 32, 40, 50mm)





GENERAL PURPOSE GAUGES

Series P-500 Low Cost Utility Gauges

DESCRIPTION

U.S. Gauge Series P-500 utility gauges provide economical, reliable service in a wide variety of applications including pumps, compressors, and other equipment.

Series P-500 utility gauges come in PSI standard ranges with accuracy of $\pm 3-2-3\%$.

Gauges are available in 1-1/2", 2", 2-1/2", 3-1/2", and 4-1/2" steel cases in center-back and lower mount configurations.

Low lead offerings that meet "Reduction of Lead in Drinking Water Act" also available. See Low Lead Series P-500 products.



SPECIFICATIONS

SIZES: 1-1/2", 2", 2-1/2", 3-1/2", and 4-1/2"

RANGES: 30" Hg VAC through 0-5000 psi

ACCURACY: $\pm 3-2-3\%$ (Grade B)

BOURDON TUBE: Phosphor bronze

WINDOW: Glass except 1-1/2" is polycarbonate

MOVEMENT: Brass

DIAL: Galvalume

POINTER: Aluminum, painted black

CASE: Black painted steel

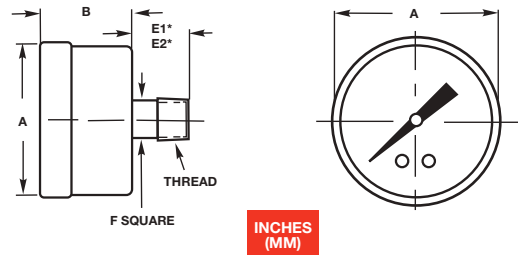
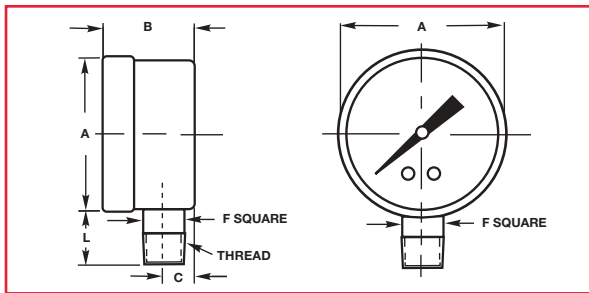
CONNECTION: Brass, center-back or lower mount

1/8-27 NPT for 1-1/2" and 2"; 1/4-18 NPT for 2" through 4-1/2"

Other sizes, ranges, and mounting configurations are available for OEM quantities

Model P-500

Center-Back Mount (left) and Lower Mount



Dimensions – P-500

Model Number	Dial Sizes	Unit	A	B	C	E1	E2	F	L
P-500	1-1/2"	inches mm	1.64 41.66	.92 23.37	.34 8.66	.62 15.75	-	.44 11.18	.55 13.97
	2"	inches mm	2.16 54.86	1.15 29.21	.40 10.16	.84 21.34	.90 22.86	.55 13.97	.87 22.10
	2-1/2" LM	inches mm	2.73 69.34	1.15 29.21	.39 9.91	.48 12.19	.25 6.35	.82 20.83	-
	2-1/2" CBM	inches mm	2.49 63.25	1.21 30.73	1.22 30.99	-	.28 7.11	.84 21.34	-
	3-1/2" LM	inches mm	3.53 89.66	1.17 29.72	.40 10.16	-	.24 6.10	.83 21.08	-
	4-1/2" LM	inches mm	4.80 121.92	1.12 28.45	.38 9.65	-	.45 11.43	1.10 27.94	-

* Length E1 refers to 1/8 NPT connections; E2 refers to 1/4 NPT connections



GENERAL PURPOSE GAUGES

Series P-500 Low Cost Utility Gauges

Spec Number Selection Chart

Series P-500							
Connection	Ranges	1-1/2" Spec No.	2" Spec No.	2-1/2" Spec No.	3-1/2" Spec No.	4-1/2" Spec No.	
1/8-27 LM	0-15 psi	146000A	052420A	-	-	-	
	0-30 psi	166327	163931	059306A	-	-	
	0-60 psi	146002A	164005	058129A	-	-	
	0-100 psi	166318	163271	049660A	-	-	
	0-160 psi	146004A	048302A	048536A	-	-	
	0-200 psi	166777	046645A	050852A	-	-	
	0-300 psi	146006A	048363A	046647A	-	-	
	0-600 psi	146007A	-	-	-	-	
	0-1000 psi	146008A	-	-	-	-	
	0-2000 psi	146009A	-	-	-	-	
1/8-27 CBM	0-15 psi	146010A	-	-	-	-	
	0-30 psi	166320	163930	-	-	-	
	0-60 psi	166321	055155A	-	-	-	
	0-100 psi	166322	046776A	-	-	-	
	0-160 psi	166323	070791A	-	-	-	
	0-200 psi	146015A	102673A	-	-	-	
	0-300 psi	146016A	051805A	-	-	-	
	0-600 psi	146017A	-	-	-	-	
	0-1000 psi	146018A	-	-	-	-	
	0-2000 psi	146019A	-	-	-	-	
1/4-18 LM	0-15 psi	-	047615A	047102A	5502A	5546A	
	0-30 psi	-	163149	163278	168536	5804A	
	0-60 psi	-	163269	163279	168537	5551A	
	0-100 psi	-	162988	163280	168538	5554A	
	0-160 psi	-	163270	163281	168539	5559A	
	0-200 psi	-	163147	163282	168540	5561A	
	0-300 psi	-	163148	163283	168541	5563A	
	0-400 psi	-	047492A	049611A	5515A	12265A	
	0-600 psi	-	047493A	046648A	5516A	5337A	
	0-1000 psi	-	047494A	047496A	5519A	12266A	
	0-2000 psi	-	-	171398A	-	-	
	0-3000 psi	-	-	171400A	-	-	
	0-5000 psi	-	-	143072A	-	-	
	1/4-18 CBM	0-15 psi	-	046987A	052827A	-	-
0-30 psi		-	163949	165213	-	-	
0-60 psi		-	163272	165214	-	-	
0-100 psi		-	163273	163284	-	-	
0-160 psi		-	163274	163285	-	-	
0-200 psi		-	163275	163286	-	-	
0-300 psi		-	163276	163287	-	-	
0-600 psi		-	046991A	050851A	-	-	
0-1000 psi		-	-	050870A	-	-	
0-2000 psi		-	-	171399A	-	-	
0-3000 psi		-	-	171401A	-	-	
1/8-27 LM		30"-0-15 psi	-	66662A	-	-	-
		30"-0-60 psi	-	47925A	-	-	-
	30"-0-150 psi	-	49609A	-	-	-	
1/4-18 LM	30"-0-15 psi	-	47000A	47001A	5493A	63754A	
	30"-0-30 psi	-	167218	47105A	5495A	5549A	
	30"-0-60 psi	-	57548A	46646A	5496A	12290A	
	30"-0-150 psi	-	50517A	47411A	5499A	12292A	
1/8-27 LM	30"-0	146020A	47225A	-	-	-	
1/8-27 CBM	30"-0	146021A	-	-	-	-	
1/4-18 LM	30"-0	-	163712	171222A	171223A	5333A	

SECTION 10.0

SHIPPING, HANDLING, STORAGE, AND INSTALLATION

- 10.1 General
- 10.2 Receiving Inspection
- 10.3 Prior to Installation
- 10.4 General Handling Recommendations
- 10.5 Installation Instructions

GENERAL

These instructions are provided as guidelines to assist the contractor in the installation and field assembly of the Sodium Hypochlorite Generation System. Handling and installation instructions are suggestions only, and do not relieve the purchaser of full responsibility for safe and proper handling during installation. The purchaser also accepts liability for damage caused by improper handling or installation.

RECEIVING INSPECTION

Each crate will be shipped with a detailed packing list. Each shipment is complete and free of damage when it leaves the factory. **For each shipment, open all packages immediately and inspect for contents and damage. Any damage must be reported within 48 hours of receipt, in writing, to the freight carrier and to PSI Water Technologies, Inc.**

PRIOR TO INSTALLATION

Store equipment in a climate-controlled environment. Avoid temperatures below 32 °F and above 120 °F. Protect from direct weather exposure (sun, rain, high wind, etc.). Consult PSI Water Technologies, Inc. for additional instructions for any special situations.

Concrete equipment pads must be prepared for electrolytic cell skids, hydrogen dilution blowers, brine storage tanks, sodium hypochlorite tanks, and sodium hypochlorite dosing skids. The equipment pads must be perfectly flat.

GENERAL HANDLING RECOMMENDATIONS

The following general recommendations are offered regarding handling, movement, and storage of the equipment.

- Handle all equipment with care. Shipments contain fragile and factory-aligned components.
- Operators of hoist equipment should follow proper rigging procedures at all times. Care should be taken to prevent the components from swinging out of control.
- Lift and move the equipment using an appropriately sized nylon strap with a spreader bar attached to the hoist cable. The angle between the lifting lines and top of equipment must always be 60° or greater. Appropriately sized forklifts may also be used for installation. The forks must extend completely under the equipment to prevent accidental damage. Forks should be spaced widely enough to safely balance the equipment.
- Always lift, never drag, or roll equipment.
- When moving a component, do not subject it to sharp impact. Even though there may be no external sign of damage, sharp impact may cause damage to fragile interior components.
- Never let tools strike against or drop onto the equipment.
- When storing equipment prior to installation, place on 4-inch x 4-inch wooden beams located under the anchor lugs. Tie down securely. Protect all equipment from the weather.

INSTALLATION INSTRUCTIONS

Preliminary Notes

- ❑ The electrolytic cell skid has been factory-assembled and wired to the maximum extent possible. The electrolytic cells are fit at the factory but removed prior to shipping. Installation required at the site includes attachment of piping for softened water, brine, sodium hypochlorite, and blower vent, anchoring of the skid, and electrical connections and wiring between the electrical control panel and remote-located instrumentation, and equipment. Minor field assembly of some sub-assemblies will be required in the field (for shipping purpose, some sub-assemblies are disassembled and will need to be re-assembled in the field). See the Outline & Utility drawing for proper orientation and placement of components.

Mechanical Installation

- ❑ **Install blower** on equipment pad and align blower outlet with the vent piping. The blower outlet is flanged to allow it to connect directly to the vent piping. The vent piping should match the blower outlet. See Dilution Blower Section of this submittal for proper blower outlet dimensions. All vent piping, supports, etc. are **not** in PSI Water Technologies, Inc.'s scope of supply. Do not anchor the blower to the concrete pad until all connections have been made.
- ❑ Carefully **clean the surface of the brine and sodium hypochlorite storage tank equipment pads.**
- ❑ **Clean brine and sodium hypochlorite storage tank bottom surfaces and place tanks on concrete equipment pads.** Use crane and two suitably sized nylon slings or lifting straps with a spreader bar to lift the tank. While the tank is lifted, prior to setting on pad, inspect and clean bottom surface of tank.
- ❑ **Anchor the electrolytic cell skid, blowers, brine tanks and sodium hypochlorite tanks to the concrete pads** using appropriate anchoring systems. Install anchor bolts per the manufacturer's instructions.
- ❑ **Attach piping assemblies and accessories** as shown in the general arrangement drawings.

Piping

- ❑ **Attach water supply piping** from the water softener to the connections on the electrolytic cell skid shown in the Outline & Utility drawings.
- ❑ **Run feed piping** from brine tank to the connection on the electrolytic cell skid shown in the Outline & Utility drawing. Brine feed piping should be installed such that it slopes downward continuously from the brine storage tank to the brine metering pump.
- ❑ **Storage tanks and piping must be leak-tested** with water prior to addition of brine or generation of chemical. The brine tank must contain salt prior to the sodium hypochlorite generation system startup and performance testing.

- ❑ **Attach drain piping** to direct the waste liquid to the appropriate facility drain. Note that the electrolytic cell skid drain piping must never be opened when the system is in operation.

Electrical

- ❑ It is left to the facility electrician to **determine appropriate wire sizing, conduit runs**, grounding, and other aspects of the electrical installation as needed to be consistent with local electrical codes and regulations. All components mounted on the electrolytic cell skid, all provided electrical control panels, and the transformer/rectifier are pre-wired at the factory in accordance with U.S. electrical codes.
- ❑ **Run power to the electrical control panel.** See Section 9.2 of this submittal for service requirement details for the panel.
- ❑ **Run electrical conduit and wiring from the blowers** to the proper connection points located inside the electrical control system. See Section 9.2 of this submittal for details.

DO NOT FILL OR OPERATE THE SODIUM HYPOCHLORITE GENERATION SYSTEM UNTIL OUR STARTUP ENGINEER HAS INSPECTED THE INSTALLATION.

SECTION 11.0
WARRANTY STATEMENT



WARRANTY STATEMENT

System: PSI WATER TECHNOLOGIES, INC. MICROCLOR® ON-SITE HYPOCHLORITE GENERATION SYSTEM

Shipping Date: SEPTEMBER 2021

Owner: PYRAMID WTP, UNALASKA WATER SYSTEM

Buyer: UNALASKA WATER SYSTEM

See Attached Warranty Statement



**WARRANTY ATTACHMENT
FOR
MICROCLOR® ON-SITE HYPOCHLORITE SYSTEM COMPONENTS**

I. Incorporation and Definitions. This Warranty Attachment is incorporated into, and made a part of, the PSI Water Technologies, Inc. Terms and Conditions (the “Terms and Conditions”). All capitalized terms used in this Warranty Attachment have the meanings assigned to them in the Terms and Conditions. This Warranty Attachment sets forth Seller’s warranty with respect to the following principal components of the Microclor® onsite sodium hypochlorite system supplied by Seller (the “System”): electrolytic cells (including electrolytic cell bodies, the “Electrolytic Cells”), brine pump, rectifier, rotometers installed on the generator skid, Microclor control panel, and the master panel for the Microclor skids (the “Principal Components”). All other components of or accessories to the System are covered by the warranty set forth in Section 9 of the Terms and Conditions.

II. Warranty Statement.

A. *Basic Warranty.* Seller warrants for a period of 36 months from the date of start-up of the System incorporating the Principal Components, or 42 months from the date of shipment of the Principal Components, whichever is earlier (the “Basic Warranty Period”), that the Principal Components will be free from defects in material and workmanship (the “Basic Warranty”).

If the claimed breach of warranty is verified by Seller, then, as the sole and exclusive remedy of the Buyer or the end-user of the System (the “Customer”) for breach of the Basic Warranty, Seller will, at Seller’s sole option (i) repair the defective Principal Component free of charge, or (ii) replace the applicable Principal Component free of charge F.O.B. Customer’s facility. Repaired or replacement Principal Components are warranted in accordance with the terms of this warranty for the remainder of the Basic Warranty Period.

B. *Pro-Rated Warranty for Electrolytic Cells.* In addition to the Basic Warranty set forth above, Seller warrants for a period of 48 months commencing at the end of the Basic Warranty Period (the “Pro-Rated Warranty Period”), that the Electrolytic Cells (including Electrolytic Cells repaired or replaced during the Basic Warranty Period) will be free from defects in material and workmanship (the “Pro-Rated Warranty”). If the claimed breach of warranty is verified by Seller, then, as Customer’s sole and exclusive remedy for the breach of the Pro-Rated Warranty, Seller will, at Customer’s option and subject to Customer’s payment of the prorated Cell Replacement Price (as defined below), either (i) repair the defective Electrolytic Cell (a “Refurbished Cell”) and return the Refurbished Cell to Customer F.O.B. Customer’s facility, or (ii) replace the defective Electrolytic Cell with a new, unused Electrolytic Cell (a “Replacement Cell”) F.O.B. Customer’s facility. Cell Replacement Price means (i) for a Refurbished Cell, the amount quoted in writing by Seller for the repair following Seller’s inspection of the defective Electrolytic Cell, and (ii) for a Replacement Cell, the Seller’s list price for a new, unused Electrolytic Cell at the time of replacement. The prorated portion of the Cell Replacement Price to be paid by Customer with respect to defects reported during the Pro-Rated Warranty Period shall be calculated as follows:

$$[\text{Number of full months (but not to exceed 84) elapsed since the commencement of the Basic Warranty Period} \div 84] \times \text{Cell Replacement Price}$$

Seller warrants each Refurbished Cell in accordance with Seller’s Microclor® Refurbished Cell Warranty, a copy of which will be furnished upon request.

Seller warrants each Replacement Cell in accordance with Seller’s Microclor® Replacement Cell Warranty, a copy of which will be furnished upon request.

C. *Warranty Conditions.* The warranties in this Part II are subject to the provisions, and to compliance with the warranty claim procedure, set forth below.

III. Conditions and Limitations of Seller's Warranties.

- A. Seller's warranties:
- (i) apply only when the Principal Components are handled, stored, and tested in accordance with Seller's written guidelines; and
 - (ii) are conditioned upon Seller's verification of the claimed breach of warranty.
- B. Seller is not responsible for any costs incurred in connection with the removal or reinstallation of Principal Components or for costs incurred by Customer to enable Seller to gain access to the Principal Components to be repaired or replaced.
- C. Seller reserves the right to test the allegedly defective Principal Component on the premises of Customer or to request the Customer to perform such inspections or tests and forward the results thereof to Seller.
- D. Seller's warranties shall be null and void if Customer fails or refuses to fully disclose to Seller the conditions of the influent to, or use and operating parameters of, the System.

IV. Exclusions from Seller's Warranties. Seller's warranties do not cover and Seller will not be liable for:

- A. Any defect or failure caused by faulty installation (if installation is not performed by Seller), misapplication, misuse, failure to start-up, maintain or operate the System or the Principal Components in accordance with the Seller's instructions or guidelines, accident, or tampering.
- B. Accidental and/or external caused damages and damages caused by improper use, including but not limited to damage caused by operation and/or exposure of the System or Principal Components to conditions outside of the instructions and conditions listed in the O&M Manual, Seller's product datasheets, or in the project specifications.
- C. Expendable parts and components other than Electrolytic Cells (e.g., spacers, gaskets, mechanical fasteners).
- D. Any defects or faults caused by, or resulting from, inaccurate or incomplete operating process information / process operating parameters, or work performed by Customer or its employees or agents.
- E. Any damage due to continued operation after discovery of an alleged defect.
- F. Any damage or operational deficiency caused by the existence or occurrence of any of the following conditions:
- (i) Failure of the raw water supply to the water softener to be potable.
 - (ii) Exposure of the System or the Principal Components to ambient air temperatures outside the range of 35°F - 90°F.
 - (iii) Exposure of the System or the Principal Components to the elements or other harmful site-related environmental conditions, including without limitation rain, direct sunlight, coastal atmospheric conditions, and corrosive chemicals or agents.
 - (iv) Use of salt that does not meet Seller's specifications.
 - (v) Unauthorized repairs, modifications, or alterations to the System or Principal Components or to the PLC program.



V. Warranty Claim Procedure. Before returning any Principal Component to Seller for warranty examination, whether under the Basic Warranty or the Extended Warranty, Seller must be contacted to obtain return authorization. Any Principal Component shipped to Seller's facility without return documentation will be returned to shipper unopened, freight collect. The following procedure shall be followed to determine warranty protection:

A. Customer shall send a written notice to Seller within a reasonable period following discovery of the alleged defect and in any case within 30 days following the end of the applicable warranty period or else the claim is waived.

B. Customer shall submit all relevant operating data requested by the Seller within a reasonable period of time following Seller's request.

C. The Seller will be provided a reasonable time to review the data and make initial recommendations in writing for further evaluation of the claim.

D. Customer will make all reasonable efforts to execute and implement the Seller's recommendations and collect, record, and submit all relevant data resulting from these recommendations.

E. In the event Seller's initial recommendations do not address and solve the warranty issues, Customer will grant Seller access to the System and the Principal Components and a reasonable period of time to perform inspection, testing and evaluation of System and Principal Component conditions and performance or Customer will perform such inspections or tests as Seller shall request and forward the results thereof to Seller.

F. In the event Seller's recommendations solve the warranty issues, the warranty claim will be deemed resolved and withdrawn.

G. If Customer fails to follow Seller's recommendations, the warranty claim will be deemed resolved and withdrawn.

H. Upon Seller's request, any allegedly defective Principal Component shall be returned to Seller at Customer's expense, as applicable. Reasonable, documented return freight cost will be reimbursed by Seller if a covered warranty defect is confirmed.

VI. Customer's Responsibilities. Customer shall ensure that operation, maintenance and performance data for the System and Principal Components are routinely recorded in a systematic format. Such information shall be made available to Seller in the event a claim is made against Seller pursuant to the foregoing warranties. Failure to maintain or supply such information shall invalidate the Basic and Extended Warranties.

VII. Payment for Non-Warranty Services and Products. If the Principal Component failure is determined to be from a cause other than breach of warranty or is not covered by Seller's warranties for any of the reasons set forth above or otherwise, Customer shall pay to Seller a fee of \$1,500 per day plus direct travel expenses incurred by Seller's employees in connection with any inspection, testing or repair of such Principal Component on Customer's premises. Principal Components shipped to Seller for warranty examination must be shipped freight prepaid, such freight to be reimbursed as provided in Part V.H. above. Principal Components examined as part of a warranty claim which are found not to be defective will be returned to Customer freight collect.

Part 7

APPENDIX 2

ON-SITE CHLORINATION OWNER SUPPLIED MATERIALS

APPENDIX 2

PWTP CCO #3 - ON SITE CHLORINATION OWNER SUPPLIED MATERIALS

DESCRIPTION	SUPPLIER	UNIT	QUANTITY	\$/ UNIT	\$
IRI MATERIALS					
Goolds Pumps	Beckwith & Kuffel	EA	2	\$ 1,669.77	\$ 3,339.54
Waterstop for Containment Walls	JP Specialties, Inc.	LS	1	\$ 3,086.75	\$ 3,086.75
16" Stainless Steel Adjustable Pipe Supports	EDCO	EA	2	\$ 5,876.00	\$ 11,752.00
112 Gallon Expansion Tank w/ Seismic Clips	American Wheatley	EA	1	\$ 4,860.57	\$ 4,860.57
Formwork Lumber for Conc Containment Wall	E&E Lumber	LS	1	\$ 3,102.71	\$ 3,102.71
Fiber Expansion Joint (1/2" x 18" x 10')	White Cap	EA	3	\$ 80.40	\$ 241.19
Floor Paint	White Cap	LS	1	\$ 3,852.55	\$ 3,852.55
Rebar for Containment Walls	White Cap	LS	1	\$ 820.50	\$ 820.50
16" Slip on Flanges w Gaskets & Bolt Kits	Puget Sound Pipe & Supply	EA	4	\$ 3,682.95	\$ 14,731.78
Cushion Clamps (1 3/8" to 1 5/8")	Puget Sound Pipe & Supply	EA	60	\$ 2.48	\$ 148.50
Cushion Clamps (7/8" to 2 3/8")	Puget Sound Pipe & Supply	EA	60	\$ 5.73	\$ 343.80
Cushion Clamps (4 1/2")	Puget Sound Pipe & Supply	EA	10	\$ 19.96	\$ 199.60
Anvil Struts	Puget Sound Pipe & Supply	LF	300	\$ 16.00	\$ 4,800.00
Anchor Rod (3/8" x 6 3/8" SS)	Hilti	Box	2	\$ 267.79	\$ 535.57
SUBTOTAL - IRI MATERIALS		LS	1	\$ 51,815.06	\$ 51,815.06
CETS - ELECTRICAL COMPONENTS					
Hammond Transformer	Stoneway Electrical Supply	EA	1	\$ 2,804.06	\$ 2,804.06
Electrical Pipe & Fittings	Stoneway Electrical Supply	LS	1	\$ 4,782.00	\$ 4,782.00
Channel (SS)	Stoneway Electrical Supply	LS	1	\$ 375.00	\$ 375.00
Mini Circuit Breaker 120/240V 40A	Stoneway Electrical Supply	EA	2	\$ 78.14	\$ 156.29
Mini Circuit Breaker 480Y/277V 15A	Stoneway Electrical Supply	EA	2	\$ 580.73	\$ 1,161.45
Houston-Wire 18/2 Tray Cable	Stoneway Electrical Supply	LS	1	\$ 1,068.46	\$ 1,068.46
Mini Circuit Breaker	Stoneway Electrical Supply	LS	1	\$ 807.86	\$ 807.86
Mini Circuit Breaker	Stoneway Electrical Supply	LS	1	\$ 179.00	\$ 179.00
Mini Circuit Breaker	Stoneway Electrical Supply	LS	1	\$ 586.14	\$ 586.14
Conduit, Fittings, Struts, etc	PLATT	LS	1	\$ 14,172.63	\$ 14,172.63
Conduit, Fittings, Struts, etc	PLATT	LS	1	\$ 25,161.66	\$ 25,161.66
Electrical Wiring	PLATT	LS	1	\$ 7,157.27	\$ 7,157.27
Electrical Wiring	PLATT	LS	1	\$ 2,556.77	\$ 2,556.77
Misc Electrical Hardware	PLATT	LS	1	\$ 3,664.26	\$ 3,664.26
Misc Electrical Hardware	PLATT	LS	1	\$ 24.24	\$ 24.24
Misc Electrical Hardware	PLATT	LS	1	\$ 1,947.76	\$ 1,947.76
Misc Electrical Hardware	PLATT	LS	1	\$ 6,905.75	\$ 6,905.75
Misc Electrical Hardware	PLATT	LS	1	\$ 13.19	\$ 13.19
Misc Electrical Hardware	PLATT	LS	1	\$ 1,679.18	\$ 1,679.18
Misc Electrical Hardware	PLATT	LS	1	\$ 1,110.93	\$ 1,110.93
Electrical Wiring	North Coast Electric Co	LS	1	\$ 370.00	\$ 370.00
Electrical Wiring	North Coast Electric Co	LS	1	\$ 1,080.00	\$ 1,080.00
SUBTOTAL - CETS (ELECTRICAL MATERIALS)		LS	1	\$ 77,763.90	\$ 77,763.90
TOTAL - CONTRACTOR SUPPLIED MATERIALS		LS	1	\$ 129,578.96	\$ 129,578.96



Remit To:
 PO Box 94589
 Seattle, WA 98124-

Sales Order:		B-0250391	
Order Date: 3/11/2022	Customer ID: B: IRE2 S: IRE2	Cust. Contact: Dylan Nersten	Territory: NW-SEA
Customer Reference: GOULDS 1SV8 PUMPS		Cust. Phone / Fax: P: 360-856-6700 F: 360-856-6777	Exemption: Cert#: Exp:
Billing Email: ap@industrial-resources.com			

Bill To: INDUSTRIAL RESOURCES, INC.
 500 METCALF ST, SUITE R1
 SEDRO WOOLLEY, WA 98284
 USA

Ship To: INDUSTRIAL RESOURCES, INC.
 500 METCALF ST, SUITE R1
 SEDRO WOOLLEY, WA 98284
 USA

Purchase Order No.: 20-053	Ship Date: 03/15/22	Terms: NET 30	Tax Code: WA-2908	Quote: B22-01581	Ship Via: BESTWAY STANDARD	FOB: WHSE	Freight: PREPAY/ADD
Collect Account:							

Line #	Item No.	Description	S/I Location	Qty	Unit Price	Total Price
10000	1SV8GB3J20	GOULDS 8STG CI/304SS .75HP 2P 1/115/208-230 TEFC XYLEM G&L, 1SV8GB3J20	VAN-INV	2	1,460.00	2,920.00 *
20000	T-MOUNT PUMP	MOUNT MOTORS ON PUMPS	VAN-INV	1		0.00 *

Comments:

Line Total: 2,920.00
 Tax (8.60%): 251.12 *
 Shipping & Handling: See Terms
Total - Check/Cash: 3,171.12
Total - Credit Card: 3,269.42

Website: www.b-k.com ■ Phone: 206-767-6700 ■ Fax: 206-767-6230 ■ Email: njohnson@b-k.com

Receipt

J P Specialties, Inc.

25811 Jefferson Ave.
Murietta, CA 92562

03/22/2023 10:32:30

Transaction ID

6Y305185TXS984025

Billing Information

Visa ***** 0030

Invoice ID

17278

Order Information

Industrial Resources

Amount

\$2,588.31 USD

Shipping

\$498.44 USD

Tax

\$0.00 USD

Total

\$3,086.75 USD

EDCO, INC.
 14508 OVENELL ROAD
 MOUNT VERNON WA 98273
 PHN (360) 424-6600

QUOTATION

22099M-SW-01

PLEASE INDICATE THE ABOVE NUMBER WHEN ORDERING



TO IRI

ATTN Dylan

Quotation Date	Sales Person
4/27/2022	Scott Wakeman
Inquiry Date	Inquiry Number
3/25/2022	

Estimated Shipping Date	Shipped Via	F.O.B.	Terms
04/18/2022	Will Call	EDCO	Net 30

QTY	DESCRIPTION	PRICE	AMOUNT
2	16" Stainless Steel Adjustable Pipe Supports, PT# 21146-200 REV A Per PO 22-053	\$ 5,876.00	\$ 11,752.00
Exclusions: Sales Tax, Engineering, Third Party Inspection, Coatings, Field Verifications			
TOTAL			\$ 11,752.00

We are pleased to submit the above quotation for your consideration.
 To ensure compliance with government regulations, please advise us on the following at the time of order:
WILL ITEM BE TAXABLE Yes No Reason: Out of State Manufacturer Resale
ITEMS ARE FOR Commercial Use Military Use Domestic Use For Export
WILL ITAR CONTROLLED TECHNICAL DATA BE PROVIDED? Yes No



THIS QUOTE IS GOOD FOR _____ DAYS. Thereafter it is subject to change without notice.

THANK YOU!



Invoice

Date	Invoice #
3/30/2022	53825

2701 W CONCORD STREET
BROKEN ARROW, OK 74012

PAID
03/30/2022

Bill To	Ship To
INDUSTRIAL RESOURCES 500 METCALF STREET STE R1 SEDRO WOOLLEY, WA 98284	INDUSTRIAL RESOURCES 500 METCALF STREET STE R1 SEDRO WOOLLEY, WA 98284 360-856-6700

S.O. No.	P.O. No.	Terms	Ship Date	Ship Via	FOB
45897	22-0532	CREDIT CARD	3/30/2022	Bestway	SHIPPING PT

Item	Description	Ordered	Prev. Inv...	Backor...	Invoiced	Price Each	Amount
BDT-112 (15...	112 GALLON 150# RATED ASME EXPANSION TANK, BOTTOM CONNECTION, MULTI-USE TANK WITH STAINLESS STEEL COVERS, 30" DIA. X 52 " OAH, 302#	1	0	0	1	3,532.20	3,532.20
SEISMIC C...	SEISMIC CLIPS/SET OF 3	1	0	0	1	482.00	482.00
FREIGHT	SAIA 770187690401 03.30.2022	1	0		1	682.00	682.00
CREDIT CA...	3.5% CREDIT CARD PROCESSING FEE APPLIES TO INVOICE BALANCE	1	0		1	164.37	164.37

<p>Please Remit to: Global Flow Products P.O. Box 100 Dept. No. 1502 Bixby, OK 74008-0100</p>	<p>General terms and conditions of sale are as set forth on our website www.wheatleyhvac.com and are incorporated here in by reference.</p>	<p>Total \$4,860.57</p>
		<p>Payments/Credits -\$4,860.57</p>
		<p>Balance Due \$0.00</p>

Phone #	E-mail	Website
918-317-0401	sales@globalflowproducts.com	www.wheatleyhvac.com



E & E LUMBER, INC. MARYSVILLE
1364 STATE AVE
MARYSVILLE, WA 98270

PHONE: (360) 659-7661

CUST NO: 6510	JOB NO: 000	PURCHASE ORDER:	REFERENCE:	TERMS: NET 10TH	CLERK: MB	DATE / TIME: 3/22/22 12:08
-------------------------	-----------------------	------------------------	-------------------	---------------------------	---------------------	--------------------------------------

SOLD TO:
INDUSTRIAL RESOURCES INC
500 METCALF ST R1

SEDRO-WOOLLEY WA 98284

SHIP TO:

EXP. DATE: 4/14/22
TERMINAL: 568

SALESPERSON: MB MEGHAN BOYDEN
TAX: 100 MARYSVILLE 3111

360-856-6700

ESTIMATE: 244077

LINE	SHIPPED	ORDERED	UM	SKU	DESCRIPTION	SUGG	UNITS	PRICE/ PER	EXTENSION
1		25	EA	24122B	2X4 12' DOUGLAS FIR PREMIUM		25	16.29 /EA	407.25 N
2		1	EA	T11AJ30	16D DUPLEX BRITE		1	79.67 /EA	79.67 N
3		3	EA	704628	3.5LB 16.5GA TIE WIRE		3	6.89 /EA	20.67 N
4		2	EA	48611	5LB PP EXT 9X3		2	43.19 /EA	86.38 N
5		6	EA	518-142	3" MAGIKOTER GOLDEN SOFTIP NY		6	8.63 /EA	51.78
6		6	EA	521-914	18"X 3/8" ROLLER COVER		6	9.59 /EA	57.54
7		2	EA	537-233	48" Z-PRO WOOD EXT POLE W/MET		2	7.19 /EA	14.38
8		2	EA	523-191	18" WOOSTER BIG BEN ROLLR FRM		2	17.75 /EA	35.50
9		1	EA	523-332	21" WOOSTER BIG BEN RLLR TRY		1	15.35 /EA	15.35
10		20	EA	SOPY	1-1/8X2'X8' HDO BOISE		20	80.43 /EA	1,608.60 N
11					*NO RETURNS ON SPECIAL ORDER				
12					PLYWOOD*				
13		30	EA	260048	8.6OZ HS ANCHOR EPOXY		30	24.49 /EA	734.70 N
14		1	EA	DEL	DELIVERY CHARGE		1	50.00 /EA	50.00

REPRINT

PRICES ARE GOOD FOR 10 DAYS
NO RETURNS ON SPECIAL ORDERS

(DYLAN -)

TAXABLE 224.55
NON-TAXABLE 2937.27
SUBTOTAL 3161.82

TAX AMOUNT 20.88

TOTAL 3182.70



TOT WT: 25.80

X

Received By



WHITE CAP.

White Cap, L.P.
PO Box 4844, Orlando, FL 32802-4844

BRANCH ADDRESS
062 - MARYSVILLE
(360) 658-5701
3525 136TH ST NE SUITE A
MARYSVILLE WA 98271
SNOHOMISH

INVOICE

INVOICE NUMBER
50018386981
INVOICE DATE
04/11/2022
CUSTOMER PO NUMBER
22-053

ENROLLMENT TOKEN: RVK SKN PLZ

SOLD TO: 31244000

TERRITORY:
SHIP TO: 31244899

PLEASE REMIT PAYMENT TO:
White Cap, L.P.
P.O. BOX 6840
CYPRESS, CA 90530-0040

INDUSTRIAL RESOURCES INC
500 METCALF STREET SUITE R1
SEDRO WOOLLEY WA 98284

YARD/INDUSTRIAL-31244998
500 METCALF STREET SUITE R1
SEDRO WOOLLEY WA 98284

ORDER DATE	ORDER NO.	ORDERED BY	ACCOUNT MANAGER	TAXON BY
03/22/2022	46487267	DYLAN NERSTEN	TRONSON, DERRICK J	CARLSON, CHRISTINA I
BRANCH	ACCT ABB NO.	TERMS	SHIP VIA / ROUTING	CUSTOMER JOB NO.
062	31244999	NET 30 DAYS	0. WILL CALL	

LINE	PART NUMBER	DESCRIPTION	QTY ORD	UNIT PRICE	QTY BKO	QTY SHP	EXTENDED PRICE	TAX AMT
0	HDRDESC	DELIVERY TAG#: 20472641 SHIPPING NOTES: **PLEASE CALL CUSTOMER ONCE IN**	1	0	0	1	0.00	
1	SP 1103481100-13	FIBRE EXPANSION JOINT 1/2" X 18" X 10"	4	20.50 EA	0	4	82.40	7.75
2	SHIPPING	SHIPPING AND HANDLING	1	138.06 EA	0	1	138.06	12.98

GLS 11 JOB #22-053
APPROVED BY *[Signature]*
BILL NON-BILL
POSTED BY: MM AP

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For questions regarding this invoice please call 1-866-867-0295.

NO REFUNDS OR EXCHANGES ON NON STOCK MERCHANDISE
Visit <https://www.whitecap.com/shop/wc/terms-and-conditions-of-sale> to view complete terms and conditions.

TOTAL GROSS	220.48
TOTAL TAX	20.73
TOTAL SHIPPING AND HANDLING	0.03
TOTAL INVOICE	241.19

RECEIVED BY: COREY GLOVER

SIGNATURE COPY ON FILE



WHITE CAP.

White Cap, L.P.
PO Box 4944, Orlando, FL 32802-4944

BRANCH ADDRESS
062 - MARYSVILLE
(360) 658-5701
3525 136TH ST NE SUITE A
MARYSVILLE WA 98271
SNDHOMISH

INVOICE

ORDER NUMBER
50018386991
INVOICE DATE
04/11/2022
CUSTOMER PO NUMBER
22-053

ENROLLMENT TOKEN: RYKSKRPLZ

SOLD TO: 31244800

TERRITORY:
SHP TO: 31244880

PLEASE REMIT PAYMENT TO:
White Cap, L.P.
P.O. BOX 6840
CYPRESS, CA 90530-0840

INDUSTRIAL RESOURCES INC
500 METCALF STREET SUITE R1
SEDRO WOOLLEY WA 98284

YARD/INDUSTRIAL-31244990
500 METCALF STREET SUITE R1
SEDRO WOOLLEY WA 98284

ORDER DATE	ORDER NO.	ORDERED BY	ACCOUNT MANAGER	TAKEN BY
03/21/2022	46481877	DYLAN NERSTEN	TRONSON, DERRICK J	CARLSON, CHRISTINA I
BRANCH	ACCT JOB NO.	TERMS	SHIP VIA / ROUTING	CUSTOMER JOB NO.
062	31244990	NET 30 DAYS	0. WILL CALL	

LINE	PART NUMBER	DESCRIPTION	QTY ORD	UNIT PRICE	QTY BND	QTY SHP	EXTENDED PRICE	TAX AMT
0	HDRDESC	DELIVERY TAG# 20472662 SHIPPING NOTES: **PLEASE CALL CUSTOMER ONCE MATERIALS HAVE BEEN PICKED UP AT KIRKWOOD**	1	0	0	1	0.00	
1	SP #4GR6020FTHDG	#4GR60 HDG 20FT	15	50.00 EA	0	15	750.00	70.50

GLSIL JOB # 22-053
APPROVED BY *[Signature]*
BILL NON-BILL
POSTED BY: M/W AP

THESE ITEMS ARE CONTROLLED BY THE U.S. GOVERNMENT AND AUTHORIZED FOR EXPORT ONLY TO THE COUNTRY OF ULTIMATE DESTINATION FOR USE BY THE ULTIMATE CONSIGNEE OR END-USER(S) HEREIN IDENTIFIED. THEY MAY NOT BE RESOLD, TRANSFERRED OR OTHERWISE DISPOSED OF TO ANY OTHER COUNTRY OR ANY PERSON OTHER THAN THE AUTHORIZED ULTIMATE CONSIGNEE OR END-USER(S), EITHER IN THEIR ORIGINAL FORM OR AFTER BEING INCORPORATED INTO OTHER ITEMS, WITHOUT FIRST OBTAINING APPROVAL FROM THE U.S. GOVERNMENT OR AS OTHERWISE AUTHORIZED BY U.S. LAW AND REGULATIONS.

For questions regarding this invoice please call 1-866-857-0295.

NO REFUNDS OR EXCHANGES ON NON STOCK MERCHANDISE
Visit <https://www.whitecap.com/ehop/et/terms-and-conditions-of-sale> to view complete terms and conditions.

TOTAL GROSS	750.00
TOTAL TAX	70.50
TOTAL SHIPPING AND HANDLING	0.00
TOTAL INVOICE	820.50

RECEIVED BY: COREY GLOVER

SIGNATURE COPY ON FILE



White Cap, L.P.
PO Box 4944, Ocala, FL 32802-4944

BRANCH ADDRESS
062 - MARYSVILLE
(360) 658-5701
3525 136TH ST NE SUITE A
MARYSVILLE WA 98271
SACONIMSH

INVOICE

RYDICK NUMBER	50018552220
INVOICE DATE	05/02/2022
CUSTOMER PO NUMBER	22-053

ENROLLMENT TOKEN: RYK BRZ PLZ

SOLD TO: 31244999

TERRITORY:
SHP TO: 31244999

PLEASE REMIT PAYMENT TO:
White Cap, L.P.
P.O. BOX 4944
OCALA, FL 32802-4944

INDUSTRIAL RESOURCES INC
500 METCALF STREET SUITE R1
SEDRO WOOLLEY WA 98284

YARD/INDUSTRIAL-31244999
500 METCALF STREET SUITE R1
SEDRO WOOLLEY WA 98284

ORDER DATE	ORDER NO.	ORDERED BY	ACCOUNT MANAGER	TAKEN BY
03/30/2022	46604922	DYLAN NERSTEN	TRONSON, DERRICK J	CARLSON, CHRISTINA I
BRANCH	ACCT JOB NO.	TERMS	SHP VIA / ROUTING	CUSTOMER JOB NO.
062	31244999	NET 30 DAYS	0. WILL CALL	

LINE	PART NUMBER	DESCRIPTION	QTY ORD	UNIT PRICE	QTY BND	QTY SHP	EXTENDED PRICE	TAX AMT
0	HDRDESC	DELIVERY TAG# 20862225 SHIPPING NOTES: *LEFT VM 4/28	1	0	0	1	0.00	
1	SP 283983	GRAY TINT OT RUST-OLEUM	6	128.12500 EA	0	6	768.74	71.13
2	SP 283567	CONSAV 2GL FINISHKOTE 80 PART A	1	480.74000 EA	0	1	480.74	45.19
3	SP 283818	CONSAV 2-GL FINISHKOTE 80 PART B	1	480.74000 EA	0	1	480.74	45.19
4	SP 277498	FASTKOTE POLYUREA FLOOR COATING	1	219.48251 EA	0	1	219.48	20.63
5	SP 277600	TVB 100 SOLIDS ACTIVATOR	1	571.24815 EA	0	1	571.25	53.70
6	SP 278269	TVB 100 SOLIDS BASE	1	574.67002 EA	0	1	574.68	54.02
7	SP 404001-1	ANTI-SKID ADDITIVE	1	64.92308 EA	0	1	64.92	6.10
8	SHIPPING	SHIPPING AND HANDLING	1	372.97 EA	0	1	372.97	35.08

GL511 JOB # 22-053

APPROVED BY *[Signature]*

BILL NON BILL

POSTED BY: MM AP

THESE ITEMS ARE CONTROLLED BY THE U.S. GOVERNMENT AND AUTHORIZED FOR EXPORT ONLY TO THE COUNTRY OF ULTIMATE DESTINATION FOR USE BY THE ULTIMATE CONSIGNEE OR END-USER(S) HEREIN IDENTIFIED. THEY MAY NOT BE RESOLD, TRANSFERRED OR OTHERWISE DISPOSED OF TO ANY OTHER COUNTRY OR ANY PERSON OTHER THAN THE AUTHORIZED ULTIMATE CONSIGNEE OR END-USER(S), EITHER IN THEIR ORIGINAL FORM OR AFTER BEING INCORPORATED INTO OTHER ITEMS WITHOUT FIRST OBTAINING APPROVAL FROM THE U.S. GOVERNMENT OR AS OTHERWISE AUTHORIZED BY U.S. LAW AND REGULATIONS.

For questions regarding this invoice please call 1-888-857-0295

NO REFUNDS OR EXCHANGES ON NON STOCK MERCHANDISE
Visit <https://www.whitecap.com/shop/wc/terms-and-conditions-of-sale> to view complete terms and conditions.

TOTAL GROSS	3,521.53
TOTAL TAX	331.02
TOTAL SHIPPING AND HANDLING	0.00
TOTAL INVOICE	3,852.55

RECEIVED BY: BRETT HERBERT

SIGNATURE COPY ON FILE



**PUGET SOUND
PIPE & SUPPLY**

Quality pipe, valves & fittings since 1917

535 Pease Road
BLIRLINGTON, WA 98233
360-707-9350 Fax 360-707-9355
www.pspipe.com

Acknowledgement

04/01/22 92010489
ORDER TO:
INDUSTRIAL RESOURCES INC.
500 METCALF ST, R1
SEBRU WOOLLEY, WA 98284
1 of 1

SO. TO:
INDUSTRIAL RESOURCES INC.
500 METCALF ST, R1
SEBRU WOOLLEY, WA 98284

SHIP TO:
INDUSTRIAL RESOURCES INC.
500 METCALF ST, R1
SEBRU WOOLLEY, WA 98284

BY	DATE	TIME	STATUS	PREP
DYLAN NERSTEN	08/04/22	07:58	OT EAST	Ship 9 Pre 9
JORDAN KINSH			HURLINGTON HOUSE ACK	22-053

FCB: DELIVERED
LEAD TIME: 2 WEEKS

4ea	16" 150# RF SLIP ON FLANGE; A102 304/ 304L; STAINLESS STEEL EXPORT	1737.61/ea	6951.22
9ea	16" 150# FLANGE ISOLATION KIT, XPN NITRILE COATED PHENOLIC GASKET W/MYLAR SLEEVES & DOUBLE WASHERS	385.97/ea	3087.76
14ea	16" 150# 1/8" FULL-FACE GASKET, AB576, EPDM, NSF-61	63.93/ea	895.07

CUT GASKETS ARE NON-RETURNABLE			

4ea	16" 150# A320 GR B8M BOLT KIT	316.48/ea	1265.91
9ea	16" 150# A320 GR B8M BOLT KIT	316.48/ea	2848.32

(BOLTS ARE SLIGHTLY LONGER TO
ACCOMMODATE ISOLATION KIT)

Subtotal	14731.78
Sales Tax	0.00
Amount Due	14731.78

Puget Sound Pipe and Supply's Terms and Conditions are applicable to this order and can be found at <http://www.pspipe.com/terms-conditions>

Terms and Conditions of Sale: This transaction will be governed only by Beckwith & Kuffel (B&K) Terms and Conditions of Sale, form BK-531-R18. Those terms and conditions are found at <http://www.b-k.com/terms>. Customer accepts these terms and conditions by signing and returning B&K's quote, by sending a purchase order in response to the quote, by instructing B&K to ship the product, or otherwise proceeding with this transaction. B&K objects to any additional or other terms and does not agree to be bound by them.

Limitations of Liability: In no event will B&K be liable for any consequential, indirect, special, incidental, or exemplary damages, including but not limited to any loss of use or under-utilization of labor or facilities, loss of revenue or anticipated profits, and cost of procurement of substitute goods.

Credit Approval: Subject to Beckwith & Kuffel Credit Department approval.

Payment Terms:

Under \$50,000	Due based on specified terms from date of shipment.
Over \$50,000	Progress Payment shall apply to all orders over \$50,000 as follows unless specified on the body of the sales quote.
25% of Total	Due upon order acceptance by B&K
35% of Total	Due upon Release to Manufacture or Submittal / Drawing Approval
Remainder	Due based on specified terms after date of shipment

Finance Charge: A carrying charge of 1.5% per month will apply to all amounts past due over 30 days.

Credit Card Sales: An additional 3.1% fee will be charged for all credit/purchase card payments to cover additional transaction costs.

Sales Tax: Washington State Sales Tax (WSST) may apply to this order.

- A. **Customers located in Washington State:** must pay Washington State Sales Tax (WSST) on all orders delivered or picked up within Washington State unless B&K has in its possession an accurate and current resale or exemption tax certificate on file for your company. If you have a certificate on file with B&K please advise if tax is to be applied or not at the time of order.
 - a. If no certificate is on file at B&K and this purchase **IS NOT** subject to WSST, then an applicable certificate is required with your order or WSST is required to be charged.
 - b. Sales Tax Exemption Certificate information for your company currently on file as follows:
 - i. Certificate #:
 - ii. Exemption Through:
- B. **Customers located in the State of Oregon:** must obtain a corporate nonresident permit from the Washington State Department of Revenue in order to purchase goods in Washington State to not legally be required to pay WSST.
- C. **Customers located outside the States of Washington and Oregon: DO NOT PAY** WSST on items purchased provided the goods are delivered out of state. However, various nexus agreements between the states may require collection of local sales tax for drop shipped items. If the goods are picked up by or delivered to the customer in Washington State, then state law (WAC 458-20-193) requires WSST to be paid unless the company provides a certificate as described in **A** above.

Duration: Valid for 30 days from the date of the Quotation.

Warranty: Manufacturer's Standard Warranty will apply.

FOB Point: Factory, unless otherwise specified in the quotation.

Shipping & Handling Charges: Charges will be added for packaging, crating, and/or export boxing requirements as required by the shipping company or other entity.

Inbound: Inbound Shipping & Handling will be billed as a separate item on an invoice.

Outbound: Outbound Shipping & Handling will be Prepaid and Added to the invoice, unless otherwise specified.

Remittance Advice: Beckwith & Kuffel, Inc.
PO Box 94589
Seattle, WA 98124-6889

For complete Terms and Conditions, see: <http://www.b-k.com/terms>



PUGET SOUND PIPE & SUPPLY

Quality pipe, valves & fittings since 1977

535 Pease Road
BURLINGTON, WA 98233
360-707-9350 Fax 360-707-9355
Remittances@pspipe.com

**** INVOICE ****

INVOICE DATE	INVOICE NUMBER	PAGE NO.
04/18/22	52012494.002	1
REMIT TO: Puget Sound Pipe & Supply Co. PO Box 97010 KENT, WA 98064-9710		

BILL TO:
INDUSTRIAL RESOURCES INC.
500 METCALF ST, R1
SEDRO WOOLLEY, WA 98264

SHIP TO:
INDUSTRIAL RESOURCES INC.
500 METCALF ST, R1
SEDRO WOOLLEY, WA 98284

CUSTOMER NUMBER	CUSTOMER PO#	RELEASE NUMBER	ORDERED BY	
182	22-053		DYLAN NERSTEN	
WRITER	SHIP VIA	TERMS	SHIP DATE	ORDER DATE

TOMMY OSBORN OT EAST NET DUE 30 DAY 04/18/22 04/12/22

REL #	DESCRIPTION	SHIP QTY	Net Prc	Ext Prc
4	1-5/8" OD (1-1/4" IPS) EG CUSHION CLAMP 8500Z0158 EMPIRE **** THIS ITEM IS PROCURED ****	30ea	3.490/ea	104.70
5	1-3/8" OD (1" IPS) EG CUSHION CLAMP 8500Z0138, EMPIRE **** THIS ITEM IS PROCURED **** FRT IN, PREPAID TO PSP'S CUST 120343251256546547, 1257993133 P1293421.003 BR.9 OPS BILL 4.23.22	30ea	1.460/ea	43.80
		1ea	0.000/ea	0.00

511 JOB # 22-053
ORDERED BY *[Signature]*
 NON-BILL
CREDITED BY: MM AP

Not already setup for emailed invoices or electronic payments? Email remittances@pspipe.com to get setup today!

Terms and Conditions are applicable to this order and can be found at <http://www.pspipe.com/terms-conditions>
Invoice is due by 05/18/22.
All claims for shortage or errors must be made at once. Returns require written authorization and are subject to handling charges. Special orders are non-returnable.
Past due invoices may be subject to 1.5% late charge

Subtotal	148.50
Sales Tax	0.00
Amount Due	148.50

For questions regarding this invoice, please contact 'remittances@pspipe.com'



PUGET SOUND PIPE & SUPPLY

Quality pipe, valves & fittings since 1917

535 Pease Road
BURLINGTON, WA 98233
360-707-9350 Fax 360-707-9355
Remittances@pspipe.com

**** INVOICE ****

INVOICE DATE	INVOICE NUMBER	PAGE NO.
04/18/22	82012494.001	1
REMIT TO: Puget Sound Pipe & Supply Co. PO Box 97010 KENT, WA 98064-9710		

BILL TO:
INDUSTRIAL RESOURCES INC.
500 METCALF ST, R1
SEDRO WOOLLEY, WA 98284

SHIP TO:
INDUSTRIAL RESOURCES INC.
500 METCALF ST, R1
SEDRO WOOLLEY, WA 98284

CUSTOMER NUMBER	CUSTOMER PO#	RELEASE NUMBER	ORDERED BY		
182	22-053		DYLAN NERSTEN		
NETTER	SHIP VIA	TERMS	SHIP DATE	ORDER DATE	
TOMMY OSBORN	OT EAST	NET DUE 30 DAY	04/18/22	04/12/22	
REL #	DESCRIPTION	SHIP QTY	Net Prc	EXT Prc	
2	2-3/8 OD CUSH-A-CLAMP EG FINISH, EMPIRE 8500 **** THIS ITEM IS PROCURED ****	30ea	6.140/ea	184.20	
3	1-7/8" OD (1-1/2" IPS) EG CUSHION CLAMP 8500Z0178 EMPIRE **** THIS ITEM IS PROCURED ****	30ea	4.650/ea	139.50	
6	7/8" OD (1/2" IPS) EG CUSHION CLAMP 8500Z0078 EMPIRE **** THIS ITEM IS PROCURED ****	10ea	2.010/ea	20.10	
	FRT IN, PREPAID TO PSP'S CUST 12R281E20395634344, 398709331, 398063556 P1293421.002 BR.9 UPS BILL 4.16.22	1ea	0.000/ea	0.00	

GL 511 JOB # 22-053
 APPROVED BY *[Signature]*
 BILL NON-SALE
 POSTED BY: MM *[Signature]*

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 invoices or electronic payments?
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 setup today!

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<http://www.pspipe.com/terms-conditions>
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 and are subject to handling charges. Special orders are non-returnable.
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Subtotal	343.80
Sales Tax	0.00
Amount Due	343.80

For questions regarding this invoice, please contact remittances@pspipe.com



PUGET SOUND PIPE & SUPPLY

Quality pipe, valves & fittings since 1917

535 Pease Road
BURLINGTON, WA 98233
360-707-9350 Fax 360-707-9355
Remittances@pspipe.com

**** INVOICE ****

INVOICE DATE	INVOICE NUMBER	PAGE NO.
04/18/22	82012494.003	1
REMIT TO:		
Puget Sound Pipe & Supply Co.		
PO Box 97010		
KENT, WA 98064-9710		

BILL TO:
INDUSTRIAL RESOURCES INC.
500 METCALF ST, R1
SEDRO WOOLLEY, WA 98284

SHIP TO:
INDUSTRIAL RESOURCES INC.
500 METCALF ST, R1
SEDRO WOOLLEY, WA 98284

CUSTOMER NUMBER	CUSTOMER FOR	RELEASE NUMBER	ORDERED BY		
182	22-053		DYLAN NERSTEN		
WATER	SHIP VZ	TERMS	SHIP DATE	ORDER DATE	
TOMMY OSBORN	OT EAST	NET DUE 30 DAY	04/18/22	04/12/22	
REL #	DESCRIPTION	SHIP QTY	Net Prc	Ext Prc	
7	4-1/2 OD (4" IPS) EG CUSHION CLAMP, 850020450, EMPIRE **** THIS ITEM IS PROCURED ****	10ea	19.960/ea	199.60	
<p>GLS11 JOB # <i>J. OSB</i></p> <p>APPROVED BY <i>[Signature]</i></p> <p>BILL <i>[Signature]</i> NON-BILL</p> <p>POSTED BY: MM AP</p>					
<p>Not already setup for emailed invoices or electronic payments? Email remittances@pspipe.com to get setup today!</p>					

Terms and Conditions are applicable to this order and can be found at <http://www.pspipe.com/terms-conditions>

Invoice is due by 05/18/22.

All claims for shortage or errors must be made at once, returns require written authorization and are subject to handling charges. Special orders are non-returnable.

Past due invoices may be subject to 1.5% late charge

Subtotal	199.60
Sales Tax	0.00
Amount Due	199.60

For questions regarding this invoice, please contact remittances@pspipe.com



PUGET SOUND PIPE & SUPPLY

Quality pipe, valves & fittings since 1917

535 Pease Road
BURLINGTON, WA 98233
360-707-9350 Fax 360-707-9355
Remittances@pspipe.com

**** INVOICE ****

INVOICE DATE	INVOICE NUMBER	PAGE NO.
04/18/22	82012494.004	1
REMIT TO: Puget Sound Pipe & Supply Co. PO Box 97010 KENT, WA 98064-9710		

BILL TO:
INDUSTRIAL RESOURCES INC.
500 METCALF ST, R1
SEDRO WOOLLEY, WA 98284

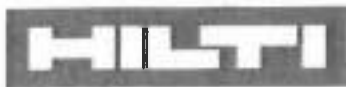
SHIP TO:
INDUSTRIAL RESOURCES INC.
500 METCALF ST, R1
SEDRO WOOLLEY, WA 98284

CUSTOMER NUMBER	CUSTOMER FOR	RELEASE NUMBER	ORDERED BY		
182	22-053		DYLAN NERSTEN		
WRITER	SHIP TO	TERMS	SHIP DATE	ORDER DATE	
TOMMY OSBORN	OT EAST	NET DUE 30 DAY	04/18/22	04/12/22	
REQ #	DESCRIPTION	SHIP QTY	Unit Prc	Est Prc	
1	AS 200EH 20SS: 1-5/8" X 1-5/8" 12GA CHANNEL: 304 SS: 20' LENGTHS: W/SLOTTED HOLES, ANVIL STRUT **** THIS ITEM IS PROCURED ****	300FT	1600.000/ft	4800.00	
<p>GLS11 JOB # 22-053 APPROVED BY <i>[Signature]</i> BILL <input checked="" type="checkbox"/> NON-BILL POSTED BY: MM AP</p> <p>Not already setup for emailed invoices or electronic payments? Email remittances@pspipe.com to get setup today!</p>					

Terms and Conditions are applicable to this order and can be found at <http://www.pspipe.com/terms-conditions>
Invoice is due by 05/18/22.
All claims for shortage or errors must be made at once, returns require written authorization and are subject to handling charges. Special orders are non-returnable.
Past due invoices may be subject to 1.5% late charge

Subtotal	4800.00
Sales Tax	0.00
Amount Due	4800.00

For questions regarding this invoice, please contact 'remittances@pspipe.com'



GL 511 JOB # 22-063
 APPROVED BY [Signature]
 BILL X NON-BILL

INVOICE 4619168737

POSTED BY: MM AP

Duns: 00-117-3525
 Federal ID: 06-0732384

INDUSTRIAL RESOURCES INC
 PO BOX 507
 CLEARLAKE WA 98235-0507

Invoice date: 03/16/2022
 Invoice due date: 04/15/2022
 Cust. P.O. number: 22-063
 Customer account: 10790021

Page 1 (1)

Delivery Address: INDUSTRIAL RESOURCES INC, 500 METCALF ST, SEDRO WOOLLEY WA 98284-1064 ATTN: DYLAN MERSTEN
 360-670-8939

Hilti sales rep: RICHARD QUINN, TUS0710106 Order number: 583957425 Date: 03/16/2022
 Terms of payment: 30 days net Location ID: 26607900

SHIPMENT NUMBER APPEARS ON PACKING SLIP(S). USE TO MATCH ALL DOCUMENTS AND CONFIRM RECEIPT.

Material Number	Material Description	Quantity Invoiced	Quantity Shipped	Sell Price	Amount Due
SHIPMENT NUMBER: 343875018					
2018453	ANCHOR ROD HIT-Z-R 3/8" X 6-3/8" SS316	2 BOX	2 BOX of 40 EA = 80 EA	237.06	474.16 A
				Items Total	474.16
				Freight	19.00
				Total net value	493.16
				Total Tax	42.41
				Total Amount	USD 535.57

Taxes: State: WA 6.5% \$ 32.05 County: 0% \$ 0.00 City: 2.1% \$ 10.36
 * A - Taxable B - Non-Taxable C - Limited Shell Ltrs D - Non-Domestic Source E - Non-Domestic Source NATO Exception

Material returns after 90 days are subject to a \$ 125 restocking fee.
 Chemicals returnable within 14 days by the case only.
 Standard Hilti terms and conditions apply. Visit www.us.hilti.com/terms for full terms.

Customer account	Invoice	Invoice date	Prepayment	Amount due (USD)	Payment enclosed
10790021	4619168737	03/16/2022		\$535.57	

Bill to: INDUSTRIAL RESOURCES INC
 PO BOX 507
 CLEARLAKE WA 98235-0507
 Delivery Address: INDUSTRIAL RESOURCES INC
 500 METCALF ST
 SEDRO WOOLLEY WA 98284-1064

Please make checks payable to Hilti and remit in USD.
 A fee of \$ 25.00 is assessed for return checks.
 Email Tax Certificates to us-tax-certificates@hilti.com

Remit to:

HILTI INC.
 PO BOX 70299
 PHILADELPHIA PA
 19178-0299



4 10790021 4619168737 03162022 0000053557

CETS LLC

1441 N Northlake Way
 Suite 211
 Seattle, WA 98103

Estimate

Date	Estimate #
5/2/2022	1770

Name / Address
Industrial Resources Inc. PO Box 507 Clear Lake, WA 98235

Description	Qty	Rate	Project
			1110-4 Sodium Hypo
			Total
UNALASKA PYRAMID WTP MICROTURBINE ON-SITE SODIUM HYPOCHLORITE GENERATION PROJECT 17401 CITY OF UNALASKA - DPW CHANGE ORDER #3			
Hammond Transformer	1	2,804.06	2,804.06
PST PS 500EH10SS Channel SS	300	17.62	5,286.00
PST PS 200EH10SS Channel SS 1-5/8"x1-5/8"x10'	300	29.442	8,832.60
CARLT43G Liquidtight Connector 1-1/4"	2	13.097	26.19
CLBS61200CP00 Rigid Coupling 1-1/4"	2	75.09	150.18
CARLT20G Liquidtight Connector 90° 1-1/4"	2	26.7618	53.52
381610TR Threaded Rod 3/8"x10'	100	1.0786	107.86
CLBS412CLCN00 Closed Rigid Nipple SS 1-1/4"	2	12.05	24.10
CLBS61200LN00 Lockout SS 1-1/4"	2	20.21	40.42
114PS8 PVC Conduit Sch 80 1-1/4"	150	4.0568	608.52
114P90 PVC Elbow Sch 40 90° 1-1/4"	10	5.26	52.60
PST PS 1100114SS Rigid Strut Strap SS 1-1/4"	24	5.7448	137.88
Calbrite S61200LT00 Conduit Hub SS 1-1/4"	2	116.50	233.00
14PTA PVC Male Terminal Adaptor 1-1/4"	10	0.5441	5.44
14PFA PVC Female Terminal Adaptor 1-1/4"	10	0.6956	6.96
114PCP Coupling 1-1/4"	25	0.3646	9.12
114PC C PVC Conduit Fitting 1-1/4"	6	7.0431	42.26
Locknut 1-1/4"	12	0.2995	3.59
AMFAH125BGL Meyer Hub w/ Lay-in Lug	1	2.265	2.27
114PIBU Plastic Insulating Bushel 1-1/4"	1	0.6303	0.63
2PS8 PVC Conduit Sch 80 2"	100	6.2334	623.34
2PTA PVC Male Terminal Adaptor 2"	6	0.9151	5.49
2P90 PVC 90° Elbow Sch 40	8	8.83	70.64
2PCP PVC Coupling 2"	30	0.6594	19.78
Subtotal			
Sales Tax (10.25%)			
Total			

CETS LLC

1441 N Northlake Way
 Suite 211
 Seattle, WA 98103

Estimate

Date	Estimate #
5/2/2022	1770

Name / Address
Industrial Resources Inc. PO Box 507 Clear Lake, WA 98235

Description	Qty	Rate	Project
			1110-4 Sodium Hypo
			Total
2PC PVC C Conduit 2"	4	12.8716	51.49
PST PS 11002SS Rigid Strut Strap SS 2"	20	9.9204	198.41
Calbrite S420CLCN00 Closed Rigid Nippl SS 2"	2	21.45	42.90
Calbrite S62000LN00 Locknut SS 2"	2	24.43	48.86
Calbrite S62000LT00 Conduit Hub SS 2"	2	150.99	301.98
Calbrite S62000LTV2 Ground Hub 2"	1	224.04	224.04
2P212 PVC Elbow Sch 40 22-1/2"	4	3.33	13.32
Calbrite S62000CP00 Coupling SS 2"	2	116.50	233.00
2NMF50 Non-Metallic Liquidtight 2"	50	2.1487	107.44
CARLT43J Liquidtight Connector 2"	4	34.082	136.33
CARLT20J Liquidtight Connector 90° 2"	2	55.5044	111.01
Calbrite S60700LT00 Conduit Hub SS 3/4"	30	77.56	2,326.80
34PTA PVC Male Terminal Adaptor 3/4"	200	0.3299	65.98
34PFA PVC Female Terminal Adaptor 3/4"	100	0.3768	37.68
PST PS 110034SS Rigid Strut Strap SS 3/4"	300	4.8669	1,460.07
34PCP PVC Coupling 3/4"	200	0.1788	35.76
34P90 PVC Elbow Sch 40 3/4"	100	1.53	153.00
34P45 PVC Elbow 3/4"	26	1.39	36.14
Locknut 3/4"	100	0.128	12.80
Calbrite S60700CP00 Rigid Coupling SS 3/4"	100	33.83	3,383.00
CARLT43ENEW Liquidtight Connector 3/4"	110	4.4661	491.27
CARLT20ENEW 90° Liquidtight Connector 3/4"	20	6.279	125.58
34PS8 PVC Conduit Sch 80 3/4"	3,000	2.2483	6,744.90
34NMF500 Non-Metallic Liquidtight 3/4"	500	0.6293	314.65
CARE978ECCAR Conduit Support Strap 3/4"	50	0.8031	40.16
34PC PVC C Condolet 3/4"	50	4.4368	221.84
PST PS 11001SS Rigid Strut Strap SS 1"	50	5.2613	263.07
1PTA PVC Male Terminal Adaptor 1"	70	0.4236	29.65
1PCP PVC Coupling 1"	50	0.2728	13.64
1P90 PVC 90° Elbow SCH 40	20	3.51	70.20
Subtotal			
Sales Tax (10.25%)			
Total			

CETS LLC

1441 N Northlake Way
 Suite 211
 Seattle, WA 98103

Estimate

Date	Estimate #
5/2/2022	1770

Name / Address
Industrial Resources Inc. PO Box 507 Clear Lake, WA 98235

Project
1110-4 Sodium Hypo

Description	Qty	Rate	Total
1P45 PVC 45° Elbow SCH 40	12	2.35	28.20
Locknut 1"	100	0.2106	21.06
Calbrite S61000LT00 Conduit Hub SS 1"	10	92.41	924.10
1PFA PVC Female Terminal Adaptor 1"	50	0.4858	24.29
Calbrite S61000CP00 Rigid Coupling SS 1"	20	49.01	980.20
CARLT43PNEW Liquidtight Connector 1"	30	7.2919	218.76
CARLT20PNEW 90° Liquidtight Connector 1"	10	15.1001	151.00
IPS8 PVC Conduit SCH 80 1"	1,000	3.0663	3,066.30
1NMFXT100 Non Metallic Liquidrite 1"	100	1.1624	116.24
CARE978PCCAR Conduit Support Strap 1"	10	0.8639	8.64
1PC C PVC Conduit Fitting 1"	10	4.6464	46.46
DOTKPVC PVC Tubing Cutter (DO NOT BILL)	2	26.21	52.42
QTPCEWB PVC Glue	3	8.85	26.55
4 XHHW -2 Stranded Copper Black	200	1.59993	319.99
1XHHW -2 Stranded Copper Black	400	3.14539	1,258.16
2XHHW -2 Stranded Copper Black	150	2.48613	372.92
6XHHW Stranded Copper Green	150	1.03556	155.33
8XHHW Stranded Copper Green	500	0.71408	357.04
14XHHW -2 Stranded Copper Red	6,000	0.22854	1,371.24
14XHHW -2 Stranded Copper Black	6,000	0.22854	1,371.24
14XHHW -2 Stranded Copper White	1,000	0.22854	228.54
14XHHW -2 Stranded Copper Green	2,000	0.22854	457.08
12XHHW -2 Stranded Copper Black	1,000	0.3258	325.80
12XHHW -2 Stranded Copper Red	1,000	0.3258	325.80
12XHHW -2 Stranded Copper Brown	1,000	0.3258	325.80
12XHHW -2 Stranded Copper Orange	1,000	0.3258	325.80
12XHHW -2 Stranded Copper Yellow	1,000	0.3258	325.80
12XHHW -2 Stranded Copper Green	2,000	0.3258	651.60
12XHHW -2 Stranded Copper White	500	0.32579	162.90
12XHHW -2 Stranded Copper Gray	500	0.32579	162.90

Subtotal

Sales Tax (10.25%)

Total

CETS LLC

1441 N Northlake Way
 Suite 211
 Seattle, WA 98103

Estimate

Date	Estimate #
5/2/2022	1770

Name / Address
Industrial Resources Inc. PO Box 507 Clear Lake, WA 98235

Description	Qty	Rate	Project
			1110-4 Sodium Hypo
			Total
182CL3RSGASTRRLX50 18/2 CMR/CL3R Shielded Multi-Conductor Cable	4,000	0.25369	1,014.76
424CMRCAT5EBLPPGNC CAT5e Non-Shielded Cable	1,000	0.10801	108.01
SQD EDB34015 480V, 3 phase, 15A breaker	2	571.139	1,142.28
SQD QOB240 Circuit Breaker 40A	2	78.143	156.29
18/2 Tray Cable	4,000	0.26711	1,068.44
LEV LDS30AX Safety Disconnect Switch 30A	8	237.47	1,899.76
NPT Cable Gland 3/8"	12	1.06	12.72
MEN238PASW NPT Locknut 3/8"	12	0.26	3.12
MENPCG12B Cord Connector 1/2"	12	1.26	15.12
MEN212PASW NPT Locknut 1/2" Plastic	12	0.32	3.84
81HWSTKS Self Drilling Screw 1"	100	0.0759	7.59
122HWSTKS Self Drilling Screw 2"	100	0.2073	20.73
GRE FTSS438200 Fish Tape w/ Winder Case (DO NOT BILL)	1	104.02	104.02
IDE 31064 Fish Tape w/ Leader (DO NOT BILL)	1	331.51	331.51
DOTRGZ2 White Knit Rags (2lb Bag)	2	15.00	30.00
CRC03400 True Tap Cutting Fluid	4	15.59	62.36
KLEVDV427300 Impact Punchdown Tool (DO NOT BILL)	1	35.88	35.88
LEV 47613EZ6 Modular Plug	50	0.96	48.00
DEWDW1916 Pilot Point Bit 1/4"	20	2.98	59.60
DEWDW1920 Pilot Point Drill Bit 5/16"	2	4.60	9.20
DEWDW1924 Wood & Metal Drill Bit 3/8x5"	20	6.64	132.80
Machine Screw 1/4"	100	0.0524	5.24
Hex Head Screw SS1/4"x1"	100	0.1774	17.74
Hex Head Screw SS 1/4"x1-1/2"	10	0.252	2.52
Hex Nut SS 1/4"	200	0.0946	18.92
Flat Washer 1/4" SS	200	0.0731	14.62
Fender Washer SS 1/4"	200	0.1821	36.42
Hex Head Machine Screw SS 3/8"x1-1/4"	100	0.5268	52.68
Hex Head Machine SS 3/8"x2"	100	1.0333	103.33
Subtotal			
Sales Tax (10.25%)			
Total			

CETS LLC

1441 N Northlake Way
 Suite 211
 Seattle, WA 98103

Estimate

Date	Estimate #
5/2/2022	1770

Name / Address
Industrial Resources Inc. PO Box 507 Clear Lake, WA 98235

Project
1110-4 Sodium Hypo

Description	Qty	Rate	Total
Hex Nut SS 3/8"	400	0.178	71.20
Flat Washer SS, 3/8	400	0.1021	40.84
Fender Washer 1-1/4"	400	0.3696	147.84
Flat Square Washer SS 3/8"	100	4.7376	473.76
MMMCT11BK50C Cable Tie 11.1"	100	0.08	8.00
TYNTJ0RDC2 Cable Tie 5.8"	200	0.03	6.00
TYNCTM110C2 2-Way Cable Tie	100	0.09	9.00
TYNMB4A0C2 4-Way Cable Tie Mounting Base	100	0.21	21.00
Calbrite S60700LT00 Conduit Hub SS 3/4"	25	77.56	1,939.00
Calbrite S61000LT00 Conduit Hub SS 1"	25	92.41	2,310.25
DEWDW3984 Portable Band Saw Blade 44-7/8"	12	18.04	216.48
MIL48390530 Portable Band Saw 44-7/8"	12	6.50	78.00
3M-165BROWN Electrical Tape 3/4"	10	1.15	11.50
3M-165ORANGE Electrical Tape 3/4"	10	1.15	11.50
3M-165YELLOW Electrical Tape 3/4 "	10	1.15	11.50
3M-165RED Electrical Tape 3/4"	10	1.15	11.50
3M-165BLUE Electrical Tape 3/4 "	10	1.15	11.50
3M-165WHITE Electrical Tape 3/4 "	10	1.15	11.50
3M-165GREEN Electrical Tape 3/4 "	10	1.15	11.50
3M-33 Super Electrical Tape, Black	10	6.19	61.90
PVC Cement	5	5.66	28.30
IDE 44103 Wire Marker Book Asst 1-48	6	19.58	117.48
IDE 44102 Wire Marker Book Asst A-Z, 0-15, +, /	6	19.00	114.00
IDE 30-452 Wire Nut Red	200	0.17846	35.69
IDE 30-341 Twister Wire Connector Tan	200	0.16759	33.52
IDE 30-073 Wire Nut Orange	200	0.09739	19.48
Ideal 30-454 Wing Nut Blue	200	0.4016	80.32
GRE430 Pull Line	1	36.60	36.60
PST PS TG38SS Top Grip Nut 3/8"	150	6.7505	1,012.58
HW152011803 18/3 Shielded Cable	2,000	0.31418	628.35

Subtotal

Sales Tax (10.25%)

Total

CETS LLC

1441 N Northlake Way
Suite 211
Seattle, WA 98103

Estimate

Date	Estimate #
5/2/2022	1770

Name / Address
Industrial Resources Inc. PO Box 507 Clear Lake, WA 98235

			Project
			1110-4 Sodium Hypo
Description	Qty	Rate	Total
HW152011804 18/4 Shielded Cable	1,000	0.42857	428.57
XHHW-14 Blue Copper Conductor	2,000	0.24	480.00
XHHW-14 Yellow Copper Conductor	1,000	0.24	240.00
XHHW-14 Brown Copper Conductor	1,000	0.24	240.00
XHHW-14 Gray Copper Conductor	1,000	0.24	240.00
XHHW-14 White Copper Conductor	500	0.24	120.00
XHHW-14 Blue/White Copper Conductor	500	0.26	130.00
Freight	1	55.63	55.63
		Subtotal	\$66,625.37
		Sales Tax (10.25%)	\$0.00
		Total	\$66,625.37



STONEWAY ELECTRIC SUPPLY
WHOLESALE DISTRIBUTOR



STONEWAY ELECTRIC
4758 BALLARD AVE NW
SEATTLE, WA 98107-4817
800-223-6513
Fax 206-634-2528



Invoice

INVOICE DATE	INVOICE NUMBER	PAGE NO.
04/12/2022	S103706170.003	
Remit to: STONEWAY ELECTRIC PO BOX 4037 SPOKANE, WA 99220-0037 509-535-2933		1 of 1

BILL TO:

CETS LLC
1441 N NORTHLAKE WAY STE 211
OPEN ACCOUNT
SEATTLE, WA 98103-8989

SHIP TO:

CETS LLC
1441 N NORTHLAKE WAY STE 211
SEATTLE, WA 98103-8989

CUSTOMER NUMBER	CUSTOMER PO NUMBER	JOB NAME / RELEASE NUMBER	ORDERED BY	
47853	2570	PYRAMID MICROTURBINE	Todd	
WRITER	SHIP VIA	TERMS	SHIP DATE	ORDER DATE
PAUL RUNGE	OUR TRUCK	Net Due 25th	04/12/2022	03/29/2022
ORDER QTY	SHIP QTY	DESCRIPTION	UNIT PRICE	EXT PRICE
1ea	1ea	HAMMOND-TRANSFORMER SG3N0050LE0C 1PH 50KVA TFM **Nonstock, may not be returnable**	2804.060/ea	2804.06

Invoice is due by 05/25/2022

Past Due invoices may be subject to 1.50% late charge.

Subtotal	2804.06
S&H Charges	0.00
Tax	0.00
Payments	0.00
Amount Due	2804.06



STONEWAY ELECTRIC SUPPLY
WHOLESALE DISTRIBUTOR



INVOICE

STONEWAY ELECTRIC
4758 BALLARD AVE NW
SEATTLE WA 98107-4817
800-223-6513 Fax 206-634-2528

INVOICE DATE	INVOICE NUMBER
11/12/21	S103567578.001
REMIT TO:	PAGE NO.
Stoneway Electric Supply P.O. Box 4037 Spokane, WA 99220-0037 800-841-1408	1 of 1

CETS MATERIAL INVOICES
CO#3 - On Site Chlorination

BILL TO:

SHIP TO:

CETS LLC
1441 N NORTHLAKE WAY STE 211
open acct
SEATTLE WA 98103-8989

CETS LLC
1441 N NORTHLAKE WAY STE 211
open acct
SEATTLE WA 98103-8989

CUSTOMER NUMBER	CUSTOMER PO NUMBER	JOB NAME / RELEASE NUMBER	ORDERED BY	
39429	2476	1110	Todd	
WRITER	SHIP VIA	TERMS	SHIP DATE	ORDER DATE
PAUL RUNGE	WILL CALL	Net Due 25th	11/12/21	10/20/21
ORDER QTY	SHIP QTY	DESCRIPTION	UNIT PRICE	EXT PRICE
8ea	8ea	CAL-PIPE S6000UF00 SS316 U FITTING **Nonstock, may not be returnable**	33.250E	266.00
100ea	100ea	CAL-PIPE S600004B00 4H SS ANG PLATE **Nonstock, may not be returnable**	23.750E	2375.00
100ea	100ea	CAL-PIPE S600002B00 2-HOLE 316SS ANGLE BRACKET **Nonstock, may not be returnable**	12.500E	1250.00
12ea	12ea	CAL-PIPE S605CLCN00 1/2IN X CL SS316 NIPPLE **Nonstock, may not be returnable**	5.500E	66.00
100ea	100ea	CAL-PIPE S60300WR27 3/8IN X 2-3/4IN SS316 WEDGE ANCHOR **Nonstock, may not be returnable**	8.250E	825.00
1ea	1ea	CAL-PIPE S60000F000 SS316 U FITTING **Nonstock, may not be returnable**	225.000E	225.00
2ea	2ea	CAL-PIPE S60000L710 NIPPLE **Nonstock, may not be returnable**	125.000E	250.00
1ea	1ea	CAL-PIPE S60000F005 3/4IN X 2-1/2IN SS316 WEDGE ANCHOR **Nonstock, may not be returnable**	225.000E	225.00



GO FROM GETTING A STATEMENT TO MAKING A STATEMENT
At Stoneway, we want to make it as easy as possible for you to do business with us.
That is why we are offering electronic billing.
You will get your bills faster, eliminate messy paper and help the environment.
We offer three electronic options: Email, Fax or Online.
To sign up contact the Credit Department at 1-800-841-1408 or credit@stoneway.com

**** IS YOUR RESALE CERTIFICATE DUE TO EXPIRE? ****

Invoice is due by 12/25/21.

RETURN: MUST HAVE OUR PRIOR CONSENT. THIS ORIGINAL INVOICE NUMBER AND DATE MUST ACCOMPANY RETURNS. ALL RETURNED MERCHANDISE SUBJECT TO A 15% HANDLING, RESTOCKING CHARGE. NO RETURNS CAN BE MADE ON NON-STOCKING ITEMS OR ITEMS HELD OR MORE THAN 60 DAYS.
CLAIMS OR ADJUSTMENTS OF ANY KIND MUST BE MADE WITHIN 30 DAYS OF INVOICE DATE.

2021/11/12 09:31:50 AM S103567578.001
fred@tod
fred@tod

Subtotal	5,932.00
S&H Charges	0.00
Tax	0.00
Payments	0.00
Amount Due	\$ 4782.00

ACCOUNTS PAST DUE ARE SUBJECT TO A SERVICE CHARGE OF 1-1/2% PER MONTH

* This line is taxable.



STONEWAY ELECTRIC SUPPLY
WHOLESALE DISTRIBUTOR



INVOICE

STONEWAY ELECTRIC
4758 BALLARD AVE NW
SEATTLE WA 98107-4817
800-223-6513 Fax 206-634-2528

INVOICE DATE	INVOICE NUMBER	
11/12/21	S103567578.002	
REMIT TO:		PAGE NO.
Stoneway Electric Supply P.O. Box 4037 Spokane, WA 99220-0037 800-841-1408		1 of 1

CETS MATERIAL INVOICES CO#3 - On Site Chlorination

BILL TO:

SHIP TO:

CETS LLC
1441 N NORTHLAKE WAY STE 211
open acct
SEATTLE WA 98103-8989

CETS LLC
1441 N NORTHLAKE WAY STE 211
open acct
SEATTLE WA 98103-8989

CUSTOMER NUMBER	CUSTOMER PO NUMBER	JOB NAME / RELEASE NUMBER	ORDERED BY	
39429	2476	1110	Todd	
WRITER	SHIP VIA	TERMS	SHIP DATE	ORDER DATE
PAUL RUNGE	WILL CALL	Net Due 25th	11/12/21	10/20/21
ORDER QTY	SHIP QTY	DESCRIPTION	UNIT PRICE	EXT PRICE
100ea	100ea	CAL-PIPE S60000CN31 3/8IN SS CHANNEL NUT W/SPRING **Nonstock, may not be returnable**	3.750E	375.00



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**** IS YOUR RESALE CERTIFICATE DUE TO EXPIRE? ****

Invoice is due by 12/25/21.

RETURN: MUST HAVE OUR PRIOR CONSENT. THIS ORIGINAL INVOICE NUMBER AND DATE MUST
ACCOMPANY RETURNS. ALL RETURNED MERCHANDISE SUBJECT TO A 15% HANDLING,
STOCKING CHARGE. NO RETURNS CAN BE MADE ON NON-STOCKING ITEMS OR ITEMS HELD
OR MORE THAN 60 DAYS.
CLAIMS OR ADJUSTMENTS OF ANY KIND MUST BE MADE WITHIN 30 DAYS OF INVOICE DATE.

2021/11/12 08:31:50 AM S103567578.002
fredtodd
fredtodd

Subtotal	375.00
S&H Charges	0.00
Tax	0.00
Payments	0.00
Amount Due	375.00

ACCOUNTS PAST DUE ARE SUBJECT TO A SERVICE CHARGE OF 1-1/2% PER MONTH

* This line is taxable.



STONEWAY ELECTRIC SUPPLY

WHOLESALE DISTRIBUTOR



STONEWAY ELECTRIC
4758 BALLARD AVE NW
SEATTLE WA 98107-4817
800-223-6513 Fax 206-834-2528

INVOICE

INVOICE DATE	INVOICE NUMBER
04/07/22	S103709386.001
REMIT TO:	PAGE NO.
Stoneway Electric Supply P.O. Box 4637 Spokane, WA 99229-0637 800-841-1408	1 of 1

BILL TO:**SHIP TO:**

CETS LLC
1441 N NORTHLAKE WAY STE 211
open acct
SEATTLE WA 98103-8989

CETS LLC
1441 N NORTHLAKE WAY STE 211
open acct
SEATTLE WA 98103-8989

CUSTOMER NUMBER	CUSTOMER PO NUMBER	JOB NAME / RELEASE NUMBER	ORDERED BY	
39429	2572 Todd-1110-4		Todd	
WRITER	SHIP VIA	TERMS	SHIP DATE	ORDER DATE
PAUL RUNGE	OUR TRUCK	Net Due 25th	04/07/22	04/01/22
ORDER QTY	SHIP QTY	DESCRIPTION	UNIT PRICE	EXT PRICE
2ea	2ea	SQD QOB240 MINIATURE CIRCUIT BREAKER 120/240V 40A	78.143E	156.29



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 We offer three electronic options: Email, Fax or Online.
 To sign up contact the Credit Department at 1-800-841-1408 or credit@stoneway.com

**** IS YOUR RESALE CERTIFICATE DUE TO EXPIRE? ****

Invoice is due by 05/25/22.

RETURN: MUST HAVE OUR PRIOR CONSENT. THIS ORIGINAL INVOICE NUMBER AND DATE MUST ACCOMPANY RETURNS. ALL RETURNS SUBJECT TO A 15% HANDLING FEE. RESTOCKING CHARGE. NO RETURNS CAN BE MADE ON NON-STOCKING ITEMS OR ITEMS HELD FOR MORE THAN 90 DAYS.
CLAIMS OR ADJUSTMENTS OF ANY KIND MUST BE MADE WITHIN 30 DAYS OF INVOICE DATE.

04/07/2022 10:24:43 AM

+ Cash

Subtotal	156.29
S&H Charges	0.00
Tax	0.00
Payments	0.00
Amount Due	156.29

ACCOUNTS PAST DUE ARE SUBJECT TO A SERVICE CHARGE OF 1-1/2% PER MONTH

* This line is taxable.



STONEWAY ELECTRIC SUPPLY

WHOLESALE DISTRIBUTOR



STONEWAY ELECTRIC
4758 BALLARD AVE NW
SEATTLE WA 98107-4817
800-223-8513 Fax 206-634-2528

INVOICE

INVOICE DATE	INVOICE NUMBER
04/07/22	S103709386.002
REMIT TO:	PAGE NO.
Stoneway Electric Supply P.O. Box 4037 Spokane, WA 99220-0037 800-841-1408	1 of 1

BILL TO:

SHIP TO:

CETS LLC
1441 N NORTHLAKE WAY STE 211
open acct
SEATTLE WA 98103-8989

CETS LLC
1441 N NORTHLAKE WAY STE 211
open acct
SEATTLE WA 98103-8989

CUSTOMER NUMBER	CUSTOMER PO NUMBER	JOB NAME / RELEASE NUMBER	ORDERED BY	
39429	2572 2572-1110-4		Todd	
WRITER	SHIP VIA	TERMS	SHIP DATE	ORDER DATE
PAUL RUNGE	OUR TRUCK	Net Due 25th	04/07/22	04/01/22
ORDER QTY	SHIP QTY	DESCRIPTION	UNIT PRICE	EXT PRICE
2ea	2ea	SQD EDB34015 MINIATURE CIRCUIT BREAKER 480Y/277V 15A	571.139E	1142.28
1ea	1ea	INCOMING FREIGHT CHARGE *** CUSTOMER TO PAY ***	19.170E	19.17



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 We offer three electronic options: Email, Fax or Online.
 To sign up contact the Credit Department at 1-800-841-1408 or credit@stoneway.com

**** IS YOUR RESALE CERTIFICATE DUE TO EXPIRE? ****

Invoice is due by 05/25/22.

RETURNS: MUST HAVE OUR PRIOR CONSENT. THIS ORIGINAL INVOICE NUMBER AND DATE MUST ACCOMPANY RETURNS. ALL RETURNS SUBJECT TO A 15% HANDLING RESTOCKING CHARGE. NO RETURNS CAN BE MADE ON NON-STOCKING ITEMS OR ITEMS HELD FOR MORE THAN 60 DAYS.
CLAIMS OR ADJUSTMENTS OF ANY KIND MUST BE MADE WITHIN 30 DAYS OF INVOICE DATE.

04/07/2022 10:26:43 AM
+ Cust

Subtotal	1,161.45
S&H Charges	0.00
Tax	0.00
Payments	0.00
Amount Due	1,161.45

ACCOUNTS PAST DUE ARE SUBJECT TO A SERVICE CHARGE OF 1-1/2% PER MONTH

* This line is taxable.

STONEWAY ELECTRIC SUPPLY
WHOLESALE DISTRIBUTOR



STONEWAY ELECTRIC
4758 BALLARD AVE NW
SEATTLE, WA 98107-4817
800-223-6613
Fax 206-634-2528



Invoice

MP

INVOICE DATE	INVOICE NUMBER
04/13/2022	S103715568.002
Remit to: STONEWAY ELECTRIC PO BOX 4037 SPOKANE, WA 99220-0037 509-635-2933	PAGE NO. 1 of 1

BILL TO:

SHIP TO:

CETS LLC
1441 N NORTHLAKE WAY STE 211
OPEN ACCOUNT
SEATTLE, WA 98103-8989

CETS LLC
1441 N NORTHLAKE WAY STE 211
SEATTLE, WA 98103-8989

CUSTOMER NUMBER	CUSTOMER PO NUMBER	JOB NAME / RELEASE NUMBER	ORDERED BY		
47853	2579-1110-4	PYRAMID MICROTURBINE	Todd		
WRITER		SHIP VIA	TERMS	SHIP DATE	ORDER DATE
PAUL RUNGE		OUR TRUCK	Net Due 25th	04/13/2022	04/08/2022
ORDER QTY	SHIP QTY	DESCRIPTION	UNIT PRICE	EXT PRICE	
4000ea	4000ea	HOUSTON-WIRE HW15201802 18/2 TRAY CABLE **Nonstock, may not be returnable**	267.114/m	1068.46	

Invoice is due by 05/25/2022

Past Due invoices may be subject to 1.50% late charge.

Subtotal	1068.46
S&H Charges	0.00
Tax	0.00
Payments	0.00
Amount Due	1068.46



REMIT TO:
P.O. Box 418759
Boston, MA 02241-8759



INVOICE # Y515784
INVOICE DATE 4/08/23
063 Ballard
(206) 781-9560 mgr63@platt.com

QUANTITY	SHIPPED	PACKING	EDP #DESCRIPTION	UNIT PRICE	UNIT	DISC %	TOTAL	TAX	TERM
50	50	0	0069094 PVC 1-IN CONDUIT COUPLING	27.2800	C		13.64	N	.0
20	20	0	0069084 PVC 1-IN-90DEG COND ELBOW	3.5100	EA		70.20	N	.0
12	12	0	0069104 PVC 1-IN-45DEG COND ELBOW	2.3500	EA		28.20	N	.0
100	100	0	0069103 CONDUIT 1-IN LOCKNUT (403)	21.0600	C		21.06	N	.0
10	10	0	0065811 CLB S61000LT00 1" HOB SS 316	92.4100	EA		924.10	N	.0
50	50	0	0784256 PVC 1-IN FEMALE ADAPTER	48.5800	C		24.29	N	.0
20	20	0	0069087 CLB S61000CP00 1" CP SS	49.0100	EA		980.20	N	.0
30	30	0	0829980 CAR LT43P-NEW 1" STR	729.1900	C		218.76	N	.0
10	10	0	0160754 CAR LT20P-NEW 1-IN 90D L/T	1510.0100	C		151.00	N	.0
1000	0	1000	0014543 PVC 1-IN SCHEDULE-80 CONDUIT	306.6300	C		.00	N	.0
100	100	0	0069091 1-IN NON-MET FLEX 100FT	116.2400	C		116.24	N	.0
10	10	0	0073835 CAR E978PC-CAR 1" IN SNAP	86.3900	C		8.64	N	.0
10	10	0	0074758 PVC 1-IN TYPE-C COND FTG	454.6400	C		45.46	N	.0
2	2	0	0069095 28990 K-PVC-CUTTER 42737 TO	26.2100	EA		52.42	Y	.0
			0272421 HAZARDOUS MATERIAL						
3	3	0	PVC 1QT PVC CEMENT W/BR TOP	8.8500	EA		26.55	N	.0
			0051575						

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SUB TOTAL		14,139.92	SHIP/HANDLING	27.36	DISC		
			OTHER		TAX	\$	5.37
			CHARGES		PRICE	\$	14,172.63

Order items subject to these terms: 30 Days net, when invoice date exceeds 30 days, net 30 days after date of invoice. Late charges will be assessed by Platt's. All taxes and duties are the responsibility of the customer. All orders are subject to approval of Platt's Department. No credit will be given for goods returned without our permission and a restocking charge may be made. Invoice number must accompany returned goods. All claims for damage must be reported immediately upon receipt of shipment. Otherwise, we will be deemed to have accepted the goods. THERE ARE NO WARRANTIES OR GUARANTEES ON ANY GOODS INCLUDED UNLESS SPECIFICALLY STATED OTHERWISE. ALL GOODS ARE SHIPPED WITHOUT LIABILITY AND WITHOUT OIL OR FUEL TANKS FOR PUMP. CUSTOMER EXPRESSLY AGREES TO WAIVE ALL RIGHTS OF RECOVERY WITH RESPECT TO RETURNED GOODS & TO ACCEPT IN EXCHANGE AS AN OPTION, ANY SUCH GOODS. This offer is the sole and exclusive remedy for any such claims which may be made, lost, damaged or otherwise. To be covered, claim must be filed with Platt's Supply within 90 days of date of shipment. No cash or check will be issued for any such claims. Special Order Material for subject to Special Order for Shipping, Storage or Damage. Meet Our New Web Site: Platt's Supply's Business Terms are available at: www.platt.com/termsandconditions.html. Material Safety Data Sheets Available Upon Written Request. Restocking Charge on Accepted Returns.

MAIL RETURN PRICE TO:
P.O. BOX 418759 BOSTON, MA 02241-8759
(206) 781-9560

PLATT

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REMIT TO:
 P.O. Box 418759
 Boston, MA 02241-8759

INVOICE # 2853151
INVOICE DATE 4/12/22
 063 Ballard
 (206) 781-9560 mgr63@platt.com

DATE ORDERED	DATE SHIPPED	SHIPPED VIA	BILL OF LADING	CUSTOMER POW
3/25/22	4/11/22	Customer Pickup		2569-1110

SOLD TO
 CETS LLC
 1441 N Northlake Way
 Suite 211
 Seattle, WA 98103-8989
SHIP TO

Customer Pickup

ORDERED BY: NICHI COCHRAN**ORIGINAL ORDER:** Y515784

PAGE 1

CUSTOMER ACCT #	JOB NAME	JOB#	SALES	PLATT SALESPERSON			
394110	PYRAMID MICROTV	1110	057	Radolle, Daniel B			
QTY	SHIPPED	QTY	DESCRIPTION	UNIT PRICE	DISC %	TOTAL	TAXES
300	300	0	PST PS 500 EH 10 SS SHALLOW 0176334	1762.0000	C	5,286.00	N .0
300	300	0	PST PS 200 EH 10 SS DEEPSTRT 0237036	2344.2000	C	8,832.60	N .0
150	150	0	PVC 1-1/4 SCHEDULE-80 CONDUIT 0069137	405.6800	C	608.52	N .0
100	100	0	PVC 2-IN SCHEDULE-80 CONDUIT 0069199	623.3400	C	623.34	N .0
3000	3000	0	PVC 3/4 SCHEDULE-80 CONDUIT 0069275	224.8300	C	6,744.90	N .0
1000	1000	0	PVC 1-IN SCHEDULE-80 CONDUIT 0069091	306.6300	C	3,066.30	N .0
Full phone support 7 days/week 4AM - 12AM PST, 5AM - 1AM MST Every single day Pay Online / Invoices & Statements 24/7 www.platt.com							
SUB TOTAL				25,161.66			
OTHER CHARGES						\$.00	
TOTAL						\$ 25,161.66	

Customer support is available 24 hours a day, 7 days a week, when orders are shipped. If you have any questions, please call our toll-free number at 1-800-781-9560. All orders are subject to credit review. If you are unable to pay for your order, please contact us at 1-800-781-9560. We reserve the right to change prices without notice. We do not accept cash on delivery. All orders are subject to our standard terms and conditions. Please refer to our website for more information. We are not responsible for any damage to your property or equipment. We do not accept liability for any loss of data or information. We do not accept liability for any loss of profit or business. We do not accept liability for any loss of income or revenue. We do not accept liability for any loss of reputation or goodwill. We do not accept liability for any loss of time or effort. We do not accept liability for any loss of opportunity or advantage. We do not accept liability for any loss of interest or enjoyment. We do not accept liability for any loss of satisfaction or fulfillment. We do not accept liability for any loss of peace of mind or tranquility. We do not accept liability for any loss of happiness or well-being. We do not accept liability for any loss of health or vitality. We do not accept liability for any loss of life or death. We do not accept liability for any loss of love or affection. We do not accept liability for any loss of hope or faith. We do not accept liability for any loss of faith or belief. We do not accept liability for any loss of trust or confidence. We do not accept liability for any loss of respect or honor. We do not accept liability for any loss of dignity or pride. We do not accept liability for any loss of self-respect or self-esteem. We do not accept liability for any loss of self-worth or self-value. We do not accept liability for any loss of self-identity or self-image. We do not accept liability for any loss of self-awareness or self-knowledge. We do not accept liability for any loss of self-understanding or self-realization. We do not accept liability for any loss of self-fulfillment or self-actualization. We do not accept liability for any loss of self-achievement or self-attainment. We do not accept liability for any loss of self-fulfillment or self-actualization. We do not accept liability for any loss of self-achievement or self-attainment.

MAIL REMITTANCE TO:
 P.O. BOX 418759 BOSTON, MA 02241-8759
 (206) 781-9560

OVER 100 BRANCHES THROUGHOUT THE WEST



platt.com

REMIT TO:
P.O. Box 418759
Boston, MA 02241-8759



INVOICE # Y520295
INVOICE DATE 4/08/22
063 Ballard
(206) 781-9560 mgr63@platt.com

DATE ORDERED	DATE SHIPPED	SHIPPED VIA	BILL OF LADING	CUSTOMER PO#
4/05/22	4/07/22	Customer Pickup		3575-1110-4 2574

SOLD TO
CETS LLC
1441 N Northlake Way
Suite 211
Seattle, WA 98103-8989

SHIP TO
Customer Pickup

ORDERED BY: MICHI

PAGE 1

CUSTOMER ACCT #	JOB NAME	JOER	SALES	PLATT SALESPERSON
394110	PYRAMID MICROTO	1110	057	Redolle, Daniel B

QTY	SHIPPED QTY	QTY	EDC #	DESCRIPTION	UNIT PRICE	UNIT	DISC %	TOTAL	TAX	TERMS
6000	6000	0		Created from quote 861241 XHHW-14-RED-STR-CU 500FT 0062871	228.5374	M		1,371.24	N	.0
6000	6000	0		XHHW-14-BLACK-STR-CU 500FT 0062868	228.5374	M		1,371.24	N	.0
1000	1000	0		XHHW-14-WHITE-STR-CU 500FT 0062873	228.5374	M		228.54	N	.0
2000	2000	0		XHHW-14-GREEN-STR-CU 500FT 0062870	228.5374	M		457.08	N	.0
1000	1000	0		XHHW-12-BLACK-STR-CU 500FT 0062859	325.7976	M		325.80	N	.0
1000	1000	0		XHHW-12-RED-STR-CU 500FT 0062865	325.7976	M		325.80	N	.0
1000	1000	0		XHHW-12-BROWN-STR-CU 2500FT 0099687	325.7976	M		325.80	N	.0
1000	1000	0		XHHW-12-ORANGE-STR-CU 500FT 0062864	325.7976	M		325.80	N	.0
1000	1000	0		XHHW-12-YELLOW-STR-CU 500FT 0062867	325.7976	M		325.80	N	.0
2000	2000	0		XHHW-12-GREEN-STR-CU 500FT 0062863	325.7976	M		651.60	N	.0
500	500	0		XHHW-12-WHITE-STR-CU 500FT 0099690	325.7976	M		162.90	N	.0
500	500	0		XHHW-12-GRAY-STR-CU 500FT 0302697	325.7976	M		162.90	N	.0
4000	4000	0		18/2 CL3R SHLD AWD/CMTL RX500 0218437	253.6908	M		1,014.76	N	.0
1000	1000	0		QWC 50781106 424 CMB CAT5E BL 0585180	108.0138	M		108.01	N	.0

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4AM - 12AM PST, 9AM - 1AM MST Every single day
Pay Online / Invoices & Statements 24/7 www.platt.com

SUB TOTAL	7,157.27									
				OTHER				\$.00
				CHARGES				\$		7,157.27

Credit terms subject to credit review. 30 Days net, which means full invoice amount is due within 30 days of the date of a trade bill. Charge will be computed by invoice. Rate of the cash-in-advance per invoice otherwise by the applicable amount of advance which will not apply 30 days of the original invoice date. All orders are subject to approval of credit department. No cash advance for goods returned without our permission and a restocking charge may be made. Order number must accompany returned goods. All items for shipping must be marked accordingly upon receipt of goods. Advances will be cleared against. TERMS ARE NON-NEGOTIATED. CREDIT IS GRANTED ON APPROVAL ONLY. NOT LIMITED TO THE FULLY ESTABLISHED CREDIT WORTHINESS AND FITNESS FOR PARTICULAR PURPOSES. IT IS EXPRESSLY UNDERSTOOD THAT THE BUYER'S ORDER IS SUBJECT TO THE TERMS AND CONDITIONS OF THE PLATT CATALOG. PLATT CATALOG TERMS AND CONDITIONS APPLY. AVAILABLE AT WWW.PLATT.COM/TERMSANDCONDITIONS. RETURN ITEMS FOR REFUND. SHIPPING OR DAMAGE FEES ARE NOT REFUNDABLE. PLATT CATALOG TERMS AND CONDITIONS APPLY. AVAILABLE AT WWW.PLATT.COM/TERMSANDCONDITIONS. MATERIAL SAFETY DATA SHEETS AVAILABLE UPON WRITTEN REQUEST. WORKSHOP RESTOCKING CHARGE ON ACCEPTED REWORKS.

MAR 2022 (ACT 11)
P.O. BOX 418759 BOSTON, MASSACHUSETTS
02241-8759

OVER 100 BRANCHES THROUGHOUT THE WEST



platt.com

REMIT TO:
P.O. Box 418759
Boston, MA 02241-8759



INVOICE # 2F08224
INVOICE DATE 11/04/21
063 Ballard
(206) 781- 9560 mgr63@platt.com

DATE ORDERED	DATE SHIPPED	SHIPPED VIA	BILL OF LADING	CUSTOMER POW
11/02/21	11/03/21	UPS		2494-1110

SOLD TO

SHIP TO

CETS LLC
1441 N Northlake Way
Suite 211
Seattle, WA 98103

CETS LLC
CETS/IRI
68 Mukushian Way
Dutch Harbor, AK 99692

CETS MATERIAL INVOICES CO#3 - On Site Chlorination

ORDERED BY: TIM TRACEY

PAGE 1

CUSTOMER ACCT#	JOB NAME	JOB#	SALES	PLATT SALESPERSON						
394110	PYRAMID MICROBU	1110	057	Radolia, Daniel B						
QTY	SHIPPED	BACK ORD	EDP #DESCRIPTION	UNIT PRICE	UNIT	DISC %	TOTAL	TAX	TERM	
10	10	0	CLB S6000UF00 U FITTING 0290988	38.9900	EA		389.90	N	.0	
100	100	0	PST PS NS 3/8 SS STAINLESS 0346690	1093.1475	C		1,093.15	N	.0	
50	50	0	CLB S60000 4B00 4 HOLE 0147819	28.0700	EA		1,403.50	N	.0	
50	50	0	CLB S600002B00 0924185	14.4250	EA		721.25	N	.0	
12	12	0	CLB S405CLCN00 1/2" SS NIPPLE 0738183	4.7050	EA		56.46	N	.0	
		0	CLB S6000UF00 U FITTING 0290988	38.9900	EA		389.90	N	.0	
		0	PST PS NS 3/8 SS STAINLESS 0346690	1093.1475	C		1,093.15	N	.0	
		0	CLB S60000 4B00 4 HOLE 0147819	28.0700	EA		1,403.50	N	.0	
		0	CLB S600002B00 0924185	14.4250	EA		721.25	N	.0	
		0	CLB S405CLCN00 1/2" SS NIPPLE 0738183	4.7050	EA		56.46	N	.0	
Full phone support 7 days/week 4AM - 12AM PST, 5AM - 1AM MST Every single day Pay Online / Invoices & Statements 24/7 www.platt.com										
SUB TOTAL				4,181.79						
				OTHER						
				CHARGES						
				SALES TAX			\$.00
				INVOICE TOTAL			\$			3,664.26

Credit sales subject to these terms: 30 Days net, which means each invoice should be paid within 30 days of its date or a credit sale charge will be computed by Periodic Rate at the maximum rate amount per month allowable by law applied to accounts of balances which are not paid within 30 days of the original invoice date. All orders are subject to approval of Credit Department. No credit will be issued for goods returned without our permission and a restocking charge may be made. Invoice number must accompany returned goods. All claims for shortage must be reported immediately upon receipt of shipment, otherwise will be deemed waived. THERE ARE NO WARRANTIES EXPRESSED OR IMPLIED INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS OR A PARTICULAR PURPOSE OTHERWISE EXPRESSLY SPECIFIED HEREIN. Platt Electric Supply sole obligation with respect to defective goods is to repair or exchange at its option, any such goods. This shall be the sole and exclusive remedy for any such defects whether in contract, tort, warranty or otherwise. In no event shall Platt Electric Supply be liable for any direct or consequential damages in connection with or arising out of the sale of goods hereunder. Special Order Material Not Subject to Return. Claims for Breakage, Shortage or Damage Must Be Filed With Carrier. Platt Electric Supply's Standard Terms and Conditions apply / available at <http://www.platt.com/easervice/terms.html>.
Material Safety Data Sheets Available Upon Written Request Minimum Restocking Charge on Accepted Returns.

MAIL REMITTANCE TO:
P.O. BOX 418759 - BOSTON, MA 02241-8759
(617) 941-8121

OVER 100 BRANCHES THROUGHOUT THE WEST



REMIT TO:
P.O. Box 418759
Boston, MA 02241-8759



INVOICE # Y523584
INVOICE DATE 4/13/22
063 Ballard
(206) 781-9560 mgr63@platt.com

DATE ORDERED	DATE SHIPPED	SHIPPED VIA	BILL OF LADING	CUSTOMER PO#
4/08/22	4/12/22	Customer Pickup		2593-1110-4

SOLD TO
CETS LLC
1441 N Northlake Way
Suite 211
Seattle, WA 98103-8989

SHIP TO
Customer Pickup

ORDERED BY: MICHI

CUSTOMER ACCT #	JOB NAME	JOB#	QUAN	PLATT SALESPERSON
394110	PYRAMID MICROTV	1110	057	Redolles, Daniel S

QTY	SHIPPED	PACKING	EDP #	DESCRIPTION	UNIT PRICE	INH	DISC %	TOTAL	TAX	TERMS
1	1	0		Created from quote 871695						
				GRS FT88438-200 FISHTAPE STAI	104.0160	EA		104.02	Y	.0
				0433821						
1	1	0		IDE 31-064 200FT FISH TAPE	331.5100	EA		331.51	Y	.0
				0394533						
2	2	0		DOT RGE2 2LB BAG OF BAGS	15.0000	EA		30.00	Y	.0
				0624126						
4	4	0		CRC 03400 TRUETP HD CUTTING	15.5900	EA		62.36	N	.0
				0913838						
1	0	1		ELE VDV427300 PUNCHEDOWN	35.8800	EA		.00	N	.0
				1858010						
50	50	0		LEV 47613-EE6 RJ45 CAT 6 PLUG	.9600	EA		48.00	N	.0
				0088891						
20	1	19		DEW DW1916 (DW1116) 1/4"	2.9800	EA		2.98	Y	.0
				0355780						
20	2	18		DEW DW1920 (DW1120) 5/16"	4.6000	EA		9.20	Y	.0
				0356269						
20	20	0		DEW DW1924 (DW1124) 3/8"	6.6400	EA		132.80	Y	.0
				0354433						
100	100	0		S5801 1/4X3/8 HM PHX/SLT MACH	5.2400	C		5.24	N	.0
				0431351						
100	100	0		69708 1/4X1 SS HEX CAP BOLT	17.7400	C		17.74	N	.0
				0176441						
100	10	90		69712 1/4X1-1/2 SS HEX BOLT	25.2000	C		2.52	N	.0
				0218546						
200	200	0		69786 NNS14 1/4 SS HEX NUT	9.4600	C		18.92	N	.0
				0173677						
200	200	0		69886 FWS14 1/4 FLAT WASHER S	7.3100	C		14.62	N	.0
				0077952						
200	200	0		69908 FFWWS141 1/4X1 SS FENDE	18.2100	C		36.42	N	.0
				0504485						
50	0	50		PPT PS 619 1/4 SS	159.1300	C		.00	N	.0
				0937113						
100	100	0		69810 3/8X1-1/4 SS HEX BOLT	52.6800	C		52.68	N	.0
				0176431						
100	100	0		69814 3/8X2 SS HEX CAP	103.3300	C		103.33	N	.0
				0354132						
400	400	0		69790 JNS38 3/8 SS HEX NUT	17.8000	C		71.20	N	.0
				0077973						
400	400	0		69890 FWS38 3/8 FLAT WASHER S	10.2100	C		40.84	N	.0
				0074366						

SUB TOTAL				
OTHER CHARGES				

Lead times subject to their terms. 30 Day lead, manufacturer's lead times or generally 30 days if in stock or a credit sale charge will be assessed for Platte. Item at its invoice rate unless per quote otherwise by our agent. Amounts of discounts shown are not cash unless so noted. All amounts are subject to approval of credit departments. No ship will be done for goods returned without our permission and a restocking charge may be made. Please include our attorney-related costs. All items are average quality unless otherwise specified. All items are subject to our inspection. THESE ARE NOT WARRANTIES EXPRESSED OR IMPLIED INCLUDING BUT NOT LIMITED TO THE WORKING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. EXCEPT AS INDICATED, PLATTE SUPPLY AND SERVICE, INC. MAKES NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SPECIAL ORDER: Additional fee applies to all special order items. Shipping and handling charges apply to all orders. All orders are subject to our credit review. Platte Supply and Service, Inc. 1441 N Northlake Way, Seattle, WA 98103-8989. Platte Supply and Service, Inc. is an Equal Opportunity Employer. Material Safety Data Sheets Available Upon Written Request. Minimum Restocking Charge on Accepted Returns.

MAIL REPLY/INVOICE TO:
P.O. BOX 418759 BOSTON, MA 02241-8759
(206) 781-9560



platt.com

REMIT TO:
P.O. Box 418759
Boston, MA 02241-8759



INVOICE # 5522584
INVOICE DATE 4/13/22
063 Ballard
(206) 781-9560 sgr63@platt.com

QTY	SHIPMENT	DESCRIPTION	UNIT PRICE	DISC %	TOTAL	TAX TERM
400	400	0 82575 PRDWS30114 3/8X1 SS FRM 0354141	36.9600	C	147.84	W .0
100	100	0 PBT PS 619 3/8 SS SQ WASHER 0303387	473.7600	C	473.76	W .0
30	0	30 PBT PS RS 1/4 ST SPRING NUT 0173877	664.1800	C	.00	W .0
100	100	0 3M CT11BK50-C 11" SOLID BLK TI 0873069	.0800	EA	8.00	W .0
200	300	0 TYN T30R0C1 BLACK CAB TIE 0059698	.0300	EA	6.00	W .0
100	100	0 TYN CTM110C2 WAY CARLE TIE MO 0074096	.0900	EA	9.00	W .0
100	100	0 TYN MB4A0C2 BLACK MOUNT BASE 0214580	.2100	EA	21.00	W .0
25	25	0 CLB S60700LT00 3/4" HUB SS316 0784251	77.5600	EA	1,939.00	W .0
25	25	0 CLB S61000LT00 1" HUB SS 316 0784256	92.4100	EA	2,310.25	W .0
12	12	0 DEW DW3984 24TPI 44-7/8" 3PK 0564822	18.0600	EA	216.48	Y .0
12	12	0 MEL 48-39-0530 24T NI-MET 0041785	6.5000	EA	78.00	Y .0
10	10	0 3M 165 3/4INX60FT BROWN 1858602	1.1500	EA	11.50	W .0
10	10	0 3M 165 3/4INX60FT ORANGE 1858610	1.1500	EA	11.50	W .0
10	10	0 3M 165 3/4INX60FT YELLOW 1858614	1.1500	EA	11.50	W .0
10	10	0 3M 165 3/4INX60FT RED 1858612	1.1500	EA	11.50	W .0
10	10	0 3M 165 3/4INX60FT BLUE 1858601	1.1500	EA	11.50	W .0
10	10	0 3M 165 3/4INX60FT WHITE 1858613	1.1500	EA	11.50	W .0
10	10	0 3M 165 3/4INX60FT GREEN 1858604	1.1500	EA	11.50	W .0
10	10	0 3M 33+SUPER-3/4X76FT BLACK 1795222	6.1900	EA	61.90	W .0
5	5	0 PVC 1PT CEMENT W/BRUSH TOP 0069180	5.6600	EA	28.30	W .0
6	6	0 IDE 44-103 1-45 WIRE MKER 0028687	19.5800	EA	117.48	W .0
200	200	0 IDE 30-452 512R 452 RED 0028531	178.4600	M	35.69	W .0
200	200	0 IDE 30-341 341 WIRCON TAN 0028513	167.5900	M	33.52	W .0
200	200	0 IDE 30-073 73B ORANGE (100BX 0028490	97.3900	M	19.48	W .0
200	200	0 IDE 30-454 ST 454 BLUE 25/BOX 0028533	401.6000	M	80.32	W .0
1	1	0 GRK 430 TWINE SPIRAL WRAP-1 P 0024672	36.6000	EA	36.60	Y .0
150	0	150 PBT PS TG 3/8 SS TOPGRIF NUT 0468859	1012.5750	C	.00	W .0
6	1	5 IDE 44-102 A-Z 0-15 +- MARKER 0028686	21.7400	EA	21.74	W .0
2	0	2 DEW DW1920 (DW1120) 5/16" 0356269	5.9800	EA	.00	Y .0

Full phone support 7 days/week
4AM - 12AM PST, 9AM - 1AM MST Every single day
Pay Online / Invoices & Statements 24/7 www.platt.com

SUB TOTAL

OTHER CHARGES	\$	CONTINUED
TOTAL	\$	

Check sales subject to these terms: On term 100, terms have to be paid within 30 days of the date of a check. Late charges will be assessed for checks. Date of the receipt on the invoice for each shipment or the receipt in quantity of invoice. What you get will be 30 days of the original invoice date. All orders are subject to approval of credit. Customers do not receive items for goods returned without the permission of the manufacturer. The manufacturer's return policy applies. Material safety data sheets available upon written request. Minimum Resending Charge on Accepted Returns.

MAIL REMIT DANCE TO:
P.O. BOX 418759 BOSTON, MA 02241-8759
CALL 888 247



platt.com

REMIT TO:
P.O. Box 418759
Boston, MA 02241-8759



INVOICE # 2870021
INVOICE DATE 4/14/22
063 Ballard
(206) 781-9560 mgr63@platt.com

DATE ORDERED	DATE SHIPPED	SHIPPED VIA	BILL OF LADING	CUSTOMER PO#
4/12/22	4/13/22	Customer Pickup		1110-4-2585

SOLD TO
CETS LLC
1641 N Northlake Way
Suite 211
Seattle, WA 98103-8989

SHIP TO
Customer Pickup

ORDERED BY: MICHI

PAGE 1

CUSTOMER ACCT #	JOB NAME	JOB#	SALES	PLATT SALESPERSON					
394110	PYRAMID MICROTU	1110	057	Radolla, Daniel B					
QUANTITY	SHIPPED QTY	QTY	DESCRIPTION	UNIT PRICE	TAX	DISC %	TOTAL	TAX RATE	
2000	2000	0	HOU HW15201803.. 183RH18026 0634991	341.1800	M		682.36	M .0	
1000	1000	0	HOUHW152011804 2029816	428.5700	M		428.57	M .0	
Full phone support 7 days/week 4AM - 12AM PDT, 8AM - 1AM MST Every single day Pay Online / Invoices & Statements 24/7 www.platt.com									
SUB TOTAL				1,110.93					
OTHER							\$.00		
CHARGES							\$ 1,110.93		
TOTAL									

Credit sales subject to terms and conditions. Invoices are subject to payment terms unless otherwise stated. Late payment charges will be assessed for invoices not paid within 30 days of the original invoice date. All items are subject to approval of Credit Department. No credit will be given for goods returned without our permission and a restocking charge may be made. Goods returned must be accompanied by original invoice. No returns for merchandise unless accompanied by original invoice. All returns must be accompanied by original invoice. THIS LINE AND ALL INFORMATION CONTAINED HEREIN IS FOR INFORMATION PURPOSES ONLY AND IS NOT LIMITED TO THE BUYER'S RESPONSIBILITY AND FITNESS FOR A PARTICULAR PURPOSE. INFORMATION EXPRESSLY SPECIFIED HEREIN. Please Contact Us with questions. In no event shall Platt. Service be liable for any damages (including consequential damages) in connection with the use of goods hereunder. Contact Order Department for subject to Return Policy for details. For more information, please visit our website at http://www.platt.com/customer-service. Material Safety Data Sheets Available Upon Written Request. Minimum Restocking Charge on Accepted Returns.

MAIL ROOM/FAX/EO
P.O. BOX 418759-BOSTON, MA 02241-8759
(603) 697-0321

OVER 100 BRANCHES THROUGHOUT THE WEST

INVOICE



2424 - 8TH AVENUE S.
 P.O. BOX 80566 (98108)
 SEATTLE WA 98134-2005
 206-436-4444 Fax 206-621-9156

INVOICE NUMBER	INVOICE DATE	SHIP DATE	CUSTOMER NUM
S011676164.002	04/15/22	04/15/22	120767
PLEASE REMIT PAYMENT TO:			
NORTH COAST ELECTRIC COMPANY PO BOX 748177 LOS ANGELES, CA 90074-8177			

To View and Pay Your Bills Online Go To:
<https://www.northcoast.com/billtrust>

SHIP TO:

CETS LLC
 1441 N NORTHLAKE WAY STE 214
 SEATTLE WA 98103-8988

CETS LLC
 1441 N NORTHLAKE WAY
 SUITE 214
 SEATTLE WA 98103-8988

ORDER DATE	ORDERED BY	CUSTOMER PO NO	SHIP VIA	WRITER	BRANCH
04/13/22	TODD	2586-1110-4	ROUTE 1	Chris Freelund	110
LINE	ITEM DESCRIPTION	QTY ORDERED	QTY SHIPPED	NET PRICE	EXTENSION
1	WIRE XHHW-14-GRY-7STR-CU-500S/R	1000	1000	240.000m	240.00
2	XHHW-14-BLU/WH-7STR-CU-500S/R	500	500	260.000M	130.00

Fraud Warning: We have recently learned that fraudsters pretending to be North Coast Credit associates are emailing customers to set up ACH payments and change bank account info in an attempt to steal payments. These communications come from email addresses that are similar to our domain to make them harder to detect. **These communications are not from us.** All payments should continue to be sent to the remit address listed on the invoice. **IMPORTANT NOTICE:** If you receive requests to change payment information, confirm the request in person or via telephone to a trusted and verified number. Do not use phone numbers in email signatures, as those may also be fraudulent. Never wire payments to a new account without first confirming that the instructions and account info are correct.

04-15-2022 10:30:29 AM
 S011676164.002

 Code

Subtotal	370.00
S&H Charges	
Sales Tax	0.00
Amount Due	370.00

All payments are due by 05/25/22.

All sales are conditioned upon purchaser's agreement to North Coast Electric Company's Standard Terms and Conditions Applying to All Sales, set out in Form NC055 available at <https://www.northcoastelectric.com/termsandconditions> or upon request.

All charges are in US Dollars.



2424 - 8TH AVENUE S.
 P.O. BOX 80566 (98108)
 SEATTLE WA 98134-2005
 206-436-4444 Fax 206-621-9156

INVOICE

INVOICE NUMBER	INVOICE DATE	SHIP DATE	CUSTOMER NUM
S011676164.001	04/13/22	04/13/22	120767
PLEASE REMIT PAYMENT TO:			
NORTH COAST ELECTRIC COMPANY PO BOX 748177 LOS ANGELES, CA 90074-8177			

To View and Pay Your Bills Online Go To:
<https://www.northcoast.com/billtrust>

SHIP TO:

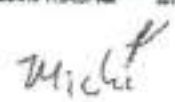
CETS LLC
 1441 N NORTHLAKE WAY STE 214
 SEATTLE WA 98103-8988

CETS LLC
 1441 N NORTHLAKE WAY
 SUITE 214
 SEATTLE WA 98103-8988

ORDER DATE	ORDERED BY	CUSTOMER PO NO.	SHIP VIA	WRITER	BRANCH
04/13/22	TODD	2586-1110-4	CUSTOMRINWC	Chris Freelund	110
LINE	ITEM DESCRIPTION	QTY ORDERED	QTY SHIPPED	NET PRICE	EXTENSION
1	WIRE XHHW-14-BLU-7STR-CU-500S/R	2000	2000	240.000m	480.00
2	WIRE XHHW-14-YEL-7STR-CU-500S/R	1000	1000	240.000m	240.00
3	WIRE XHHW-14-BRN-7STR-CU-500S/R	1000	1000	240.000m	240.00
4	WIRE XHHW-14-WHT-7STR-CU-500S/R	500	500	240.000m	120.00

Fraud Warning: We have recently learned that fraudsters pretending to be North Coast Credit associates are emailing customers to set up ACH payments and change bank account info in an attempt to steal payments. These communications come from email addresses that are similar to our domain to make them harder to detect. These communications are not from us. All payments should continue to be sent to the remit address listed on the invoice. **IMPORTANT NOTICE:** If you receive requests to change payment information, confirm the request in person or via telephone to a trusted and verified number. Do not use phone numbers in email signatures, as those may also be fraudulent. Never wire payments to a new account without first confirming that the instructions and account info are correct.

If payments are due by 05/25/22.

2022/04/13 11:24:07 AM S011676164.1

 MICHELLE

Subtotal	1080.00
S&H Charges	
Sales Tax	0.00
Amount Due	1080.00

If sales are conditioned upon purchaser's agreement to North Coast Electric Company's Standard Terms and Conditions Applying to Sales, set out in Form NC055 available at <https://www.northcoastelectric.com/termsandconditions> or upon request. All charges are in US Dollars.



INVOICE

Marine Container Solutions, LLC

PAYABLE TO:

Marine Container Solutions, LLC
 P.O. BOX 407
 Seahurst, WA 98062
 Phone: 206-499-0474
Todd@marinecontainersolutions.com

DATE: April 30, 2022**INVOICE #** 220096**Per:** Tim Tracey**PO#****Req #**

BILL TO: CETS Inc.
 1441 N. Northlake Way
 Ste. 214
 Seattle, WA 98103

DESCRIPTION	
April Lease 1-20' container	
TODD 135667-5 On hire: 8/3/21 Off hire: Rate:\$3.00 per day X 30	\$90.00
All equipment sold subject to this invoice is purchased on an "As Is, Where is" basis without covenant or warranty by seller of any kind, expressed or implied, including without limitation, warranties of merchant-ability or fitness for particular purpose or application, unless otherwise stated by seller. Buyer agrees to all of the above terms and conditions.	
Thank you for the business!	
	SUBTOTAL \$90.00
	TAX RATE
	SALES TAX
	OTHER
	TOTAL \$90.00

Terms: Net receipt

Make all checks payable to Marine Container Solutions, LLC at P.O. BOX 407, Seahurst, WA 98062. If you have any questions concerning this invoice, contact Todd Shirley at 206-499-0474 or Todd@marinecontainersolutions.com