

COUNTY OF ROCKLAND
Department of General Services
Purchasing Division

Contract Award Notification

Title: Power Packs and Controllers-Hydraulic Power Packs, Controllers and Accessories

Contract Period: July 19, 2025 through July 18, 2026 w/4-1-year options

Original Date of Issue: July 18, 2025

Date of Revision:

BID No: RFB-RC-2025-062

Catalog: Wastewater

Authorized Users: County Agencies, United States Agencies, Other States & Political Subdivisions Therein, Local Governments, School Districts & Non-Profit Agencies

Address Inquiries To:

Name: Raheela Akhter, PPA
Title: Purchaser I
Phone: 845-364-3813
Fax: 845-364-3809
E-mail: akhterr@co.rockland.ny.us

Description

This contract is to provide hydraulic power packs, controllers and accessories.

Contract #	Vendor Number	Contractor & Address	Telephone No.
BID 25-062	0000029718	Fitzsimmons Hydraulics Inc. 4400 Shidler Rd Clarence, NY 14031 Contact: David Ray d.ray@fitzsimmonshydraulics.com	716-330-7701

COUNTY OF ROCKLAND
 DGS – PURCHASING DEPARTMENT
 BLDG. A, 6th FLOOR, 50 SANATORIUM ROAD
 POMONA, NY 10970
 TELEPHONE NO.: 845-364-3820
 FAX NO.: 845-364-3809

VENDOR: Fitzsimmons Hydraulics

LINE NO.	DESCRIPTION	ITEM NUMBER	EST. QTY.	UNIT	UNIT PRICE	MFG	PRODUCT CODE
1	Motor Controller JWC Model #30005 P/N PC2240-000-1-5HP-460V-60HZ as specified or approved equal	72059000001	1	Each	\$ 5,221.33	Siemens	FH-052125
2	Hydraulic Power Pack with Seal Lock Fittings --HPC10504-0296 / PARKER # HPU7355B JWC Model #30005 P/N HPA10504-0296 as specified or approved equal	72059000002	1	Each	\$ 7,476.72	Continental Hydraulics	BD250529DR
3	1/2" Hydraulic hose assembly - 20' long with quick disconnect at the hydraulic torque motor --PN A31049-0020M, JWC Model 30005 P/N A31086-0020-M as specified or approved equal	72059000003	1	Each	\$ 488.23	Gates	FH20QDMF
4	Hydraulic Torque Motor Assembly for 5HP, 4.3GPM HPP 29.0 cubic inch displacement for 1/2" hose.- P/N A31049-0002; JWC Model 30005 P/N A34049-0002 as specified	72059000004	5	Each	\$ 875.54	Parker	TG0475MS030AAAB

DEPARTMENT OF GENERAL SERVICES, PURCHASING DIVISION

Dr. Robert L. Yeager Health Center
50 Sanatorium Rd, Building A
Pomona, New York 10970
Phone: (845) 364-3820 Fax: (845) 364-3809
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Paul Brennan, FNIGP, NIGP-CPP, CPPO
Director of Purchasing

ADDENDUM # 1

RFB-RC-2025-062

Power Packs and Controllers – Hydraulic Power Packs, Controllers and Accessories

Question 1: Request was submitted to provide Electrical and Hydraulic schematics and Units make and model information.

Response: Unit make and models are:

- **Hydraulic Power Pack with Seal Lock Fittings for a JWC, Model #30005 PC2240-000-1 P/N HPA10504-0296.**
- **Part # HPC10504-0296 / PARKER # HPU7355B**

Schematic drawings for existing system is attached.

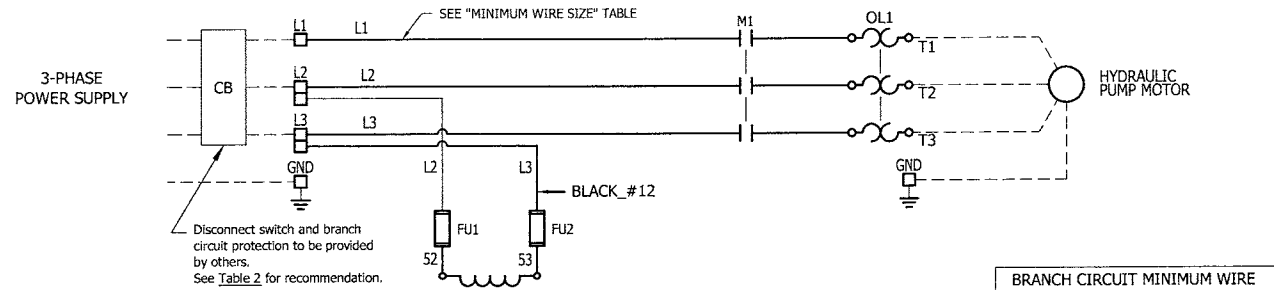
The information in this addendum supersedes any contradictory information set forth in the contract documents. Acknowledge receipt of this addendum in the space provided on the signature page of the bid proposal. Failure to do so, may subject the bidder to disqualification. This addendum forms a part of the contract documents.

SIGNED:

Paul J. Brennan

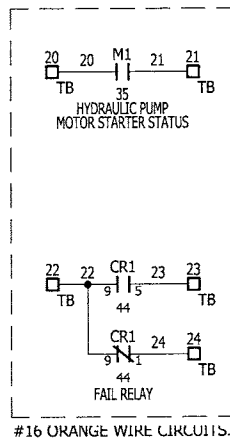
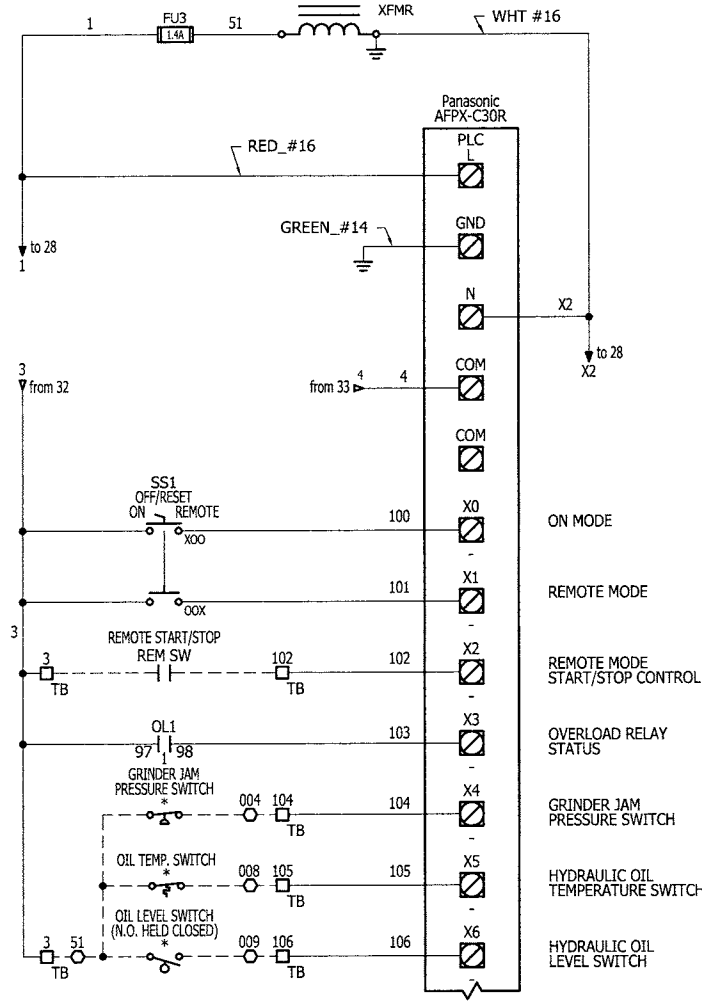
PAUL J. BRENNAN, FNIGP, NIGP-CPP, CPPO
DIRECTOR OF PURCHASING

REVISION HISTORY		ECN NO	DATE	CHK	PE	MFG	QC
ALL	A	PC-0007	3/25/2011				
ALL	B	PC-0008	6/8/2012	SA			

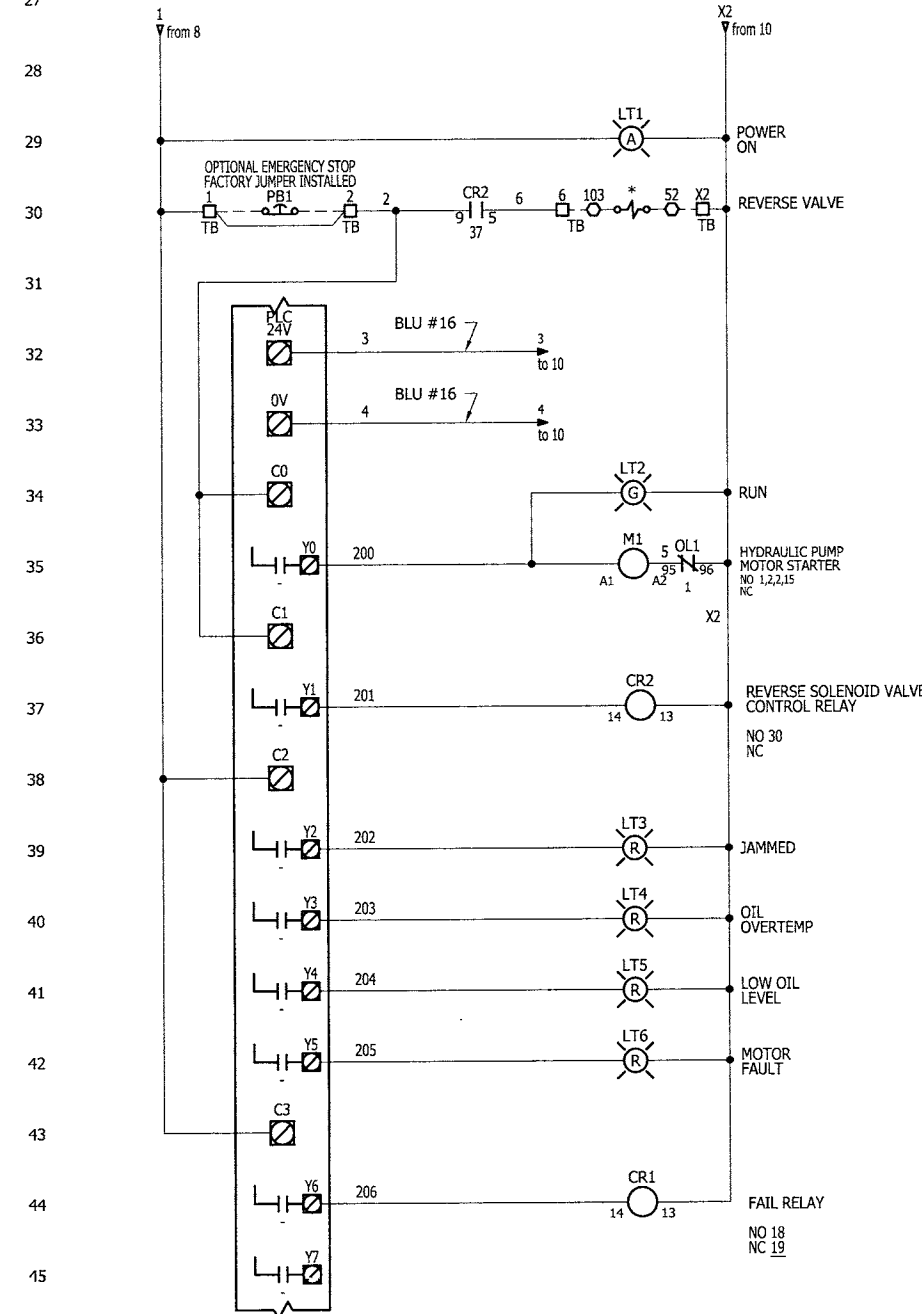


BRANCH CIRCUIT MINIMUM WIRE SIZE BASED ON 75°C COPPER WIRE PER NEC TABLE 310-16

V/HP	3HP	5HP	10HP	15HP
208V	#12	#10	#8	#6
230V	#12	#12	#8	#6
460V	#12	#12	#12	#10
575V	#12	#12	#12	#12



*** CAUTION ***
OPEN MAIN DISCONNECT SWITCH WILL NOT DE-ENERGIZE ORANGE COLOR WIRE CIRCUITS.



Control Philosophy

- Power On indicator lamp**
 - illuminates when control power transformer is energized and fuses are good
- Grinder selector switch, ON**
 - energize hydraulic oil pump motor starter & Run indicator lamp
- Grinder selector switch, OFF/RESET**
 - de-energize hydraulic oil pump motor starter & Run indicator lamp
 - clear any alarm conditions
- Grinder selector switch, REMOTE**
 - energize hydraulic oil pump motor starter & Run indicator lamp when Remote Run Permissive input to PLC is On
- Jammed indicator lamp**
 - illuminates when a jam condition is set by the PLC (see Grinder Jam Clearing Sequence below)
- Motor Fault indicator lamp**
 - illuminates when either a motor overload fault or motor over-temperature fault occurs
- Oil Overtemp indicator lamp**
 - illuminates when an oil overtemp fault occurs
- Low Oil Level indicator lamp**
 - illuminates when a low oil level fault occurs
- Fail Relay**
 - energized when an alarm condition is set for any of the following: (i) grinder jam; (ii) hydraulic oil pump motor overload or overtemp, (iii) hydraulic oil overtemp, or (iv) low oil level.
- Emergency stop switch, open, (optional)**
 - de-energizes control power to PLC outputs that drive the motor starter and Run indicator lamp
- Grinder Jam Clearing Sequence**
 - when the hydraulic oil pressure switch detects a jam, the reverse solenoid valve control relay will be energized for a pre-determined period of time and de-energized
 - this sequence is repeated, as required, to clear the jam for a total of no more than 9 reversals in a 45-second period
 - if the jam is not cleared in accordance with this sequence, an alarm condition is set

CONTROLLED

NOTES: UNLESS OTHERWISE SPECIFIED.

- PROGRAM NUMBER: **PC2240-000-A**
- SHORT CIRCUIT CURRENT RATING (SCCR) FOR THE CONTROLLER IS 5kA.
- * COMPONENT IN HYDRAULIC POWER PACK.
- TERMINAL IN JUNCTION BOX ON HYDRAULIC POWER PACK.
- PLC SPARE INPUTS X7 TO XF AND SPARE OUTPUTS Y8 TO YD ARE NOT SHOWN.

THIS DRAWING AND DATA ARE FULLY PROTECTED BY COPYRIGHT OWNED BY JWC ENVIRONMENTAL. THIS DRAWING AND DATA EMBODY PROPRIETARY INFORMATION WHICH IS THE CONFIDENTIAL PROPERTY OF JWC ENVIRONMENTAL AND SHALL NOT BE COPIED, REPRODUCED, DISCLOSED TO OTHERS, OR USED IN WHOLE OR IN PART FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN PERMISSION FROM JWC. THIS DRAWING IS LOANED IN CONFIDENCE WITH THE UNDERSTANDING THAT IT SHALL BE RETURNED UPON DEMAND.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
FRACTIONS	DECIMALS
± 1/32	.XX ± .05
	.XXX ± .005
ANGLES	
	± 1/2°
MATERIAL	
FINISH	
250	125
(CAST)	(MACHINED)
UNLESS OTHERWISE SPECIFIED	
DO NOT SCALE DRAWING	

<p>JWC JWC ENVIRONMENTAL 290 PAULARINO AVE, COSTA MESA, CA 92626</p>	
<p>PC2240 NEMA 4X FRP - SINGLE MOTOR MOTOR CONTROLLER - SERIES PC2240</p>	
<p>APPROVALS</p> <p>TRAN, T. 03-25-11</p>	<p>DATE</p>
<p>CHECKED</p> <p>PITCAIRN, C. 9-21-11</p>	<p>MANUF.</p> <p>V. D. J. 8-14-12</p>
<p>Q.C.</p> <p>B. J. 8-14-12</p>	<p>SIZE</p> <p>D</p>
<p>DRAWING NO.</p> <p>PC2240-000-1</p>	<p>REV</p> <p>B</p>
<p>SCALE:</p>	<p>1 OF 3</p>

TABLE 1: PARTS LIST

	3	E10-003-220	SCREW CENTER JUMPER - 2 POLE	AB	1492-CJJ12-2
	3	E10-003-212	END BARRIER; 1492-J	AB	1492-EBJ16
	5	E10-003-211	SCREW CONNECTION TERMINAL BLOCK; 1492-J	AB	1492-J16
	2	E10-003-213	SCREW CONNECTION TERMINAL BLOCK; 1492-J	AB	1492-JG6
	1	E10-003-201	END BARRIER; 1492-J	AB	1492-EBJ3
	1	E10-003-205	SCREW CENTER JUMPER - 2 POLE	AB	1492-CJJ6-2
	17	E10-003-200	SCREW CONNECTION TERMINAL BLOCK; 1492-J	AB	1492-J4
TB	2	E10-003-207	END ANCHOR	AB	1492-EAJ35
SS1-NP	1	E13-043-095	NAMEPLATE "ON-OFF/RESET-REMOTE", FOR 22mm PILOT DEVICE	JWCE	E13-043-095
SS1	1	E08-001-410	SELECTOR SW - 3 POS MAINT, IP66 NEMA 4/4X/13	AB	800FP-SM32PX20
PLC	1	E19-007-077	PROGRAMMABLE CONTROLLER, 16 24Vdc INPUTS 14 RELAY OUTPUTS	PANASONIC	AFPX-C30R
LT6-NP	1	E13-043-145	NAMEPLATE "MOTOR FAULT", FOR 22mm PILOT DEVICE	JWCE	E13-043-145
LT6	1	E07-001-403	RED LED PILOT LIGHT, IP66 NEMA 4/4X/13	AB	800FP-P4PN5R
LT5-NP	1	E13-043-024	NAMEPLATE "LOW OIL LEVEL", FOR 22mm PILOT DEVICE	JWCE	E13-043-024
LT5	1	E07-001-403	RED LED PILOT LIGHT, IP66 NEMA 4/4X/13	AB	800FP-P4PN5R
LT4-NP	1	E13-043-023	NAMEPLATE "OIL OVERTEMP", FOR 22mm PILOT DEVICE	JWCE	E13-043-023
LT4	1	E07-001-403	RED LED PILOT LIGHT, IP66 NEMA 4/4X/13	AB	800FP-P4PN5R
LT3-NP	1	E13-043-066	NAMEPLATE "JAMMED", FOR 22mm PILOT DEVICE	JWCE	E13-043-066
LT3	1	E07-001-403	RED LED PILOT LIGHT, IP66 NEMA 4/4X/13	AB	800FP-P4PN5R
LT2-NP	1	E13-043-004	NAMEPLATE "RUN", FOR 22mm PILOT DEVICE	JWCE	E13-043-004
LT2	1	E07-001-402	GREEN LED PILOT LIGHT, IP66 NEMA 4/4X/13	AB	800FP-P3PN5G
LT1-NP	1	E13-043-001	NAMEPLATE "POWER ON", FOR 22mm PILOT DEVICE	JWCE	E13-043-001
LT1	1	E07-001-404	AMBER LED PILOT LIGHT, IP66 NEMA 4/4X/13	AB	800FP-POPNSA
FU3	2	E06-130-0140	GENERAL PURPOSE FUSE / MIDGET, 1.4A 250V TIME DELAY	FERRAZ SHAWMUT	TRM1-4/10
END_CLIP	5	E05-022-002	DIN RAIL END CLIP	IDEC	BNL-5
ENCL-PNL	1	E01-050-P2	18"x16" BACK PANEL FOR DIAMOND SERIES ENCL.	STAHLIN	BP1816AL
ENCL	1	E01-028-013	ENCL NEMA 4X FIBERGLASS 18X16X10 CUSTOM, HINGED OPAQUE COVER WITH STAINLESS STEEL PULL LATCHES	STAHLIN	DS181610HPL
	1	E05-004-S2	RELAY SCREW TERMINAL SOCKET	IDEC	SH1B-05
CR2	1	E05-004-012	PLUG-IN RELAY TYPE RH 10A 120VAC 1 FORM C CONTACTS LED	IDEC	RH1B-UL-AC120V
	1	E05-004-S3	RELAY SCREW TERMINAL SOCKET	IDEC	SH2B-05
CR1	1	E05-004-R6L	PLUG-IN RELAY TYPE RH 10A 120VAC 2 FORM C CONTACTS LED	IDEC	RH2B-UL-AC120V
TAG	QTY	PART NUMBER	DESCRIPTION	MFG	CATALOG

NOTE:
ONE SET OF SPARE FUSES ARE INCLUDED IN QUANTITIES.

TABLE 3: PARTS LIST SUPPLEMENT TO TABLE 2

F1-F2	4	E06-110-0100	FUSE, 1.0A, 600V TIME DELAY CLASS CC	FERRAZ SHAWMUT	ATQR1
F1-F2	4	E06-110-0050	FUSE, .5A,600V TIME DELAY CLASS CC	FERRAZ SHAWMUT	ATQR1/2
XFMR	1	E03-001-027	CONTROL CIRCUIT TRANSFORMER, TYPE 1497, 130VA, 600:120	AB	1497-C-CXSX-3-N
XFMR	1	E03-001-013	CONTROL CIRCUIT TRANSFORMER, TYPE 1497, 130VA, 208:120	AB	1497-C-HXDX-3-N
XFMR	1	E03-001-010	CONTROL CIRCUIT TRANSFORMER, TYPE 1497, 130VA, 240/480:120	AB	1497-C-BASX-3-N
OL1	1	E02-020-246	IEC E1 PLUS SOLID-STATE OVERLOAD RELAY, 3-PHASE, SCREW TYPE CONTROL TERMINALS, 18-90 AMPS	AB	193-EEGE
OL1	1	E02-020-245	IEC E1 PLUS SOLID-STATE OVERLOAD RELAY, 3-PHASE, SCREW TYPE CONTROL TERMINALS, 9.0-45 AMPS	AB	193-EEFD
OL1	1	E02-020-243	IEC E1 PLUS SOLID-STATE OVERLOAD RELAY, 3-PHASE, SCREW TYPE CONTROL TERMINALS, 5.4-27 AMPS	AB	193-EEEB
OL1	1	E02-020-242	IEC E1 PLUS SOLID-STATE OVERLOAD RELAY, 3-PHASE, SCREW TYPE CONTROL TERMINALS, 3.2-16 AMPS	AB	193-EEDB
OL1	1	E02-020-241	IEC E1 PLUS SOLID-STATE OVERLOAD RELAY, 3-PHASE, SCREW TYPE CONTROL TERMINALS, 1.0-5.0 AMPS	AB	193-EECB
M1	1	E02-020-122	100-C CONTACTOR, 3-POLE	AB	100-C60D10
M1	1	E02-020-121	100-C CONTACTOR, 3-POLE	AB	100-C43D10
TAG	QTY	PART NUMBER	DESCRIPTION	MFG	CATALOG

TABLE 2: BRANCH CIRCUIT COMPONENT SELECTION

VOLTAGE	TAG	MOTOR HORSE POWER (HP)			
		3HP	5HP	10HP	15HP
208V	XFMR	E03-001-013	E03-001-013	E03-001-013	E03-001-013
	FU1-FU2	E06-110-0100	E06-110-0100	E06-110-0100	E06-110-0100
	M1	E02-020-124	E02-020-124	E02-020-121	E02-020-122
	OL1	E02-020-242	E02-020-243	E02-020-245	E02-020-246
	CB	25 AMPS	40 AMPS	60 AMPS	100 AMPS
230V	XFMR	E03-001-010	E03-001-010	E03-001-010	E03-001-010
	FU1-FU2	E06-110-0100	E06-110-0100	E06-110-0100	E06-110-0100
	M1	E02-020-124	E02-020-124	E02-020-121	E02-020-122
	OL1	E02-020-242	E02-020-243	E02-020-245	E02-020-246
	CB	20 AMPS	30 AMPS	60 AMPS	90 AMPS
460V	XFMR	E03-001-010	E03-001-010	E03-001-010	E03-001-010
	FU1-FU2	E06-110-0050	E06-110-0050	E06-110-0050	E06-110-0050
	M1	E02-020-124	E02-020-124	E02-020-124	E02-020-124
	OL1	E02-020-242	E02-020-242	E02-020-242	E02-020-243
	CB	15 AMPS	15 AMPS	35 AMPS	45 AMPS
575V	XFMR	E03-001-027	E03-001-027	E03-001-027	E03-001-027
	FU1-FU2	E06-110-0050	E06-110-0050	E06-110-0050	E06-110-0050
	M1	E02-020-124	E02-020-124	E02-020-124	E02-020-124
	OL1	E02-020-241	E02-020-242	E02-020-242	E02-020-243
	CB	15 AMPS	15 AMPS	25 AMPS	40 AMPS

CB - INVERSE-TIME CIRCUIT BREAKER OR EQUIVALENT

CONTROLLED**JWC** JWC ENVIRONMENTAL
290 PAULARINO AVE, COSTA MESA, CA 92626**PC2240**
NEMA 4X FRP - SINGLE MOTOR
MOTOR CONTROLLER - SERIES PC2240

SIZE	DRAWING NO.	REV
D	PC2240-000-1	B
SCALE:	NTS	2 OF 3

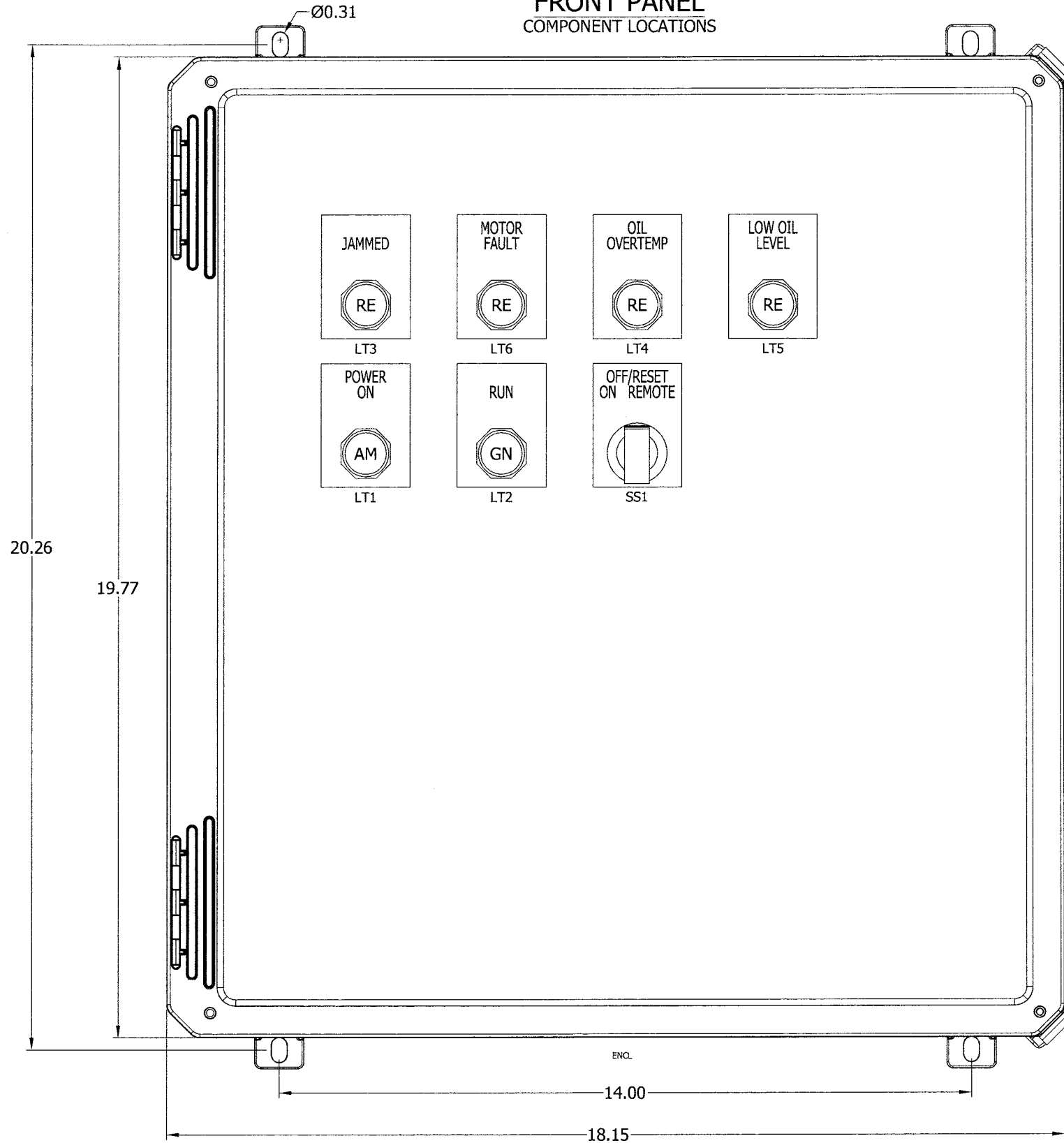
FRONT PANEL
COMPONENT LOCATIONS

D

C

B

A



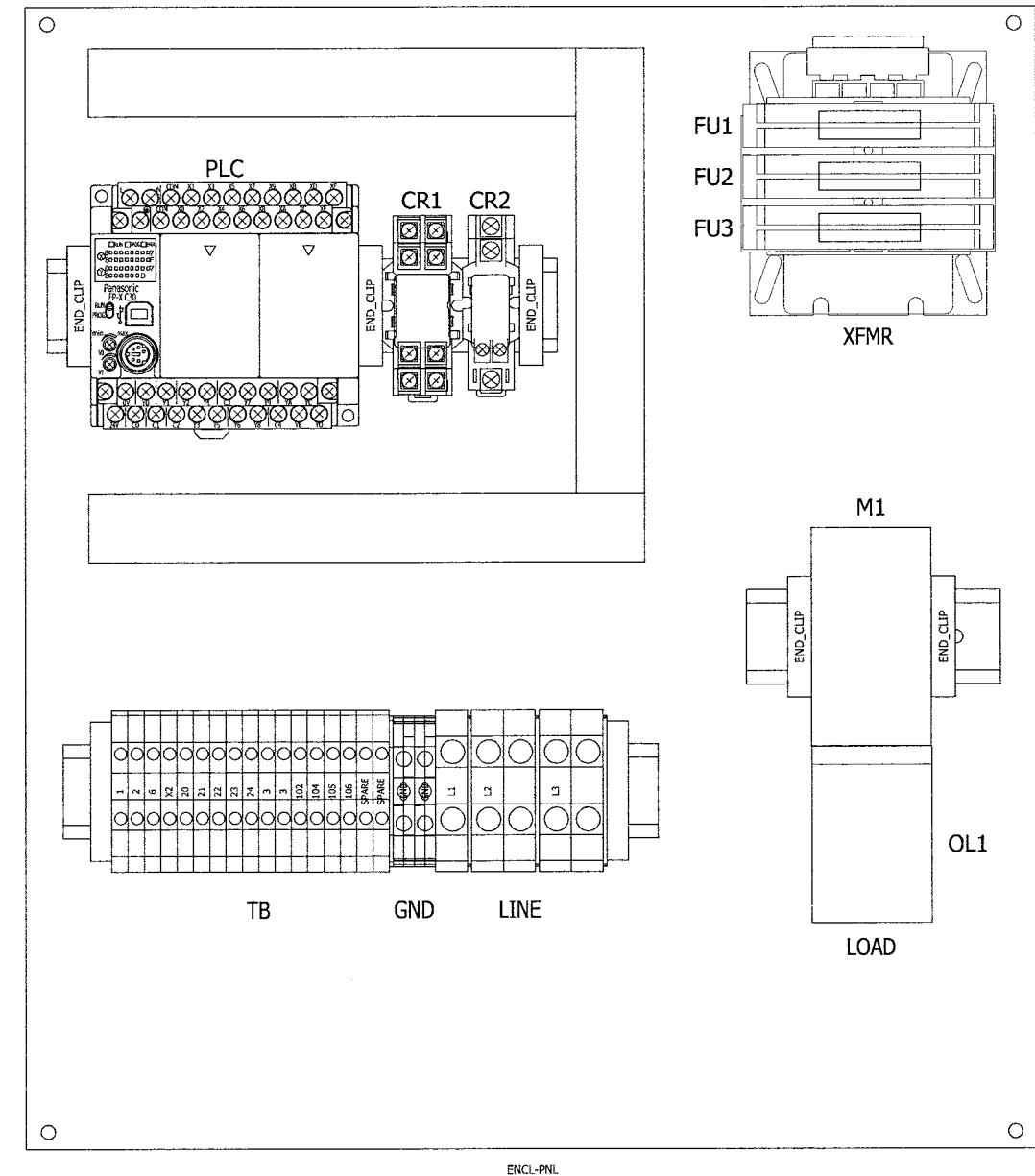
BACK PANEL
COMPONENT LOCATIONS

D

C

B

A



CONTROLLED

- ASSEMBLY NOTES:**
- USE SELF-TAPPING SCREWS 8-32 FOR MOUNTING OF COMPONENTS.
 - REFER TO DRAWING CB-356 FOR PANEL MACHINING INSTRUCTION.

<p>JWC JWC ENVIRONMENTAL 290 PAULARINO AVE, COSTA MESA, CA 92626</p>		
<p>PC2240 NEMA 4X FRP - SINGLE MOTOR MOTOR CONTROLLER - SERIES PC2240</p>		
SIZE	DRAWING NO.	REV
D	PC2240-000-1	B
SCALE:	NTS	3 OF 3

COUNTY OF ROCKLAND - DGS-PURCHASING
 BLDG. A., 6TH FLOOR, 50 SANATORIUM RD, POMONA, NY 10970
 TELEPHONE: 845-364-3820 / TELEFAX: 845-364-3809

**TITLE: Power Packs and Controllers – Hydraulic
 Power Packs, Controllers and Accessories**

RFB #: RFB-RC-2025-062

PURCHASES BY OTHER

LOCAL GOVERNMENTS, SCHOOL DISTRICTS, AND NON-PROFIT AGENCIES

As per the New York State General Municipal Law, all political subdivisions of New York State are allowed to make purchases through the resulting contract(s). As per Rockland County Procurement Policy, Non-Profit Agencies approved to participate in New York State's Contract Extension Program are authorized to make purchases through the resulting contract(s).

1. The County of Rockland shall make all contract award information available to other political subdivisions and non-profit agencies through our website: www.rcpurchasing.com
2. Any other political subdivision or Rockland County non-profit agency will issue purchase orders directly to vendors within the specified contract period referencing the County's contract and shall be liable for any payments due on such purchase orders; and shall accept sole responsibility for any payment due.
3. All purchases shall be subject to audit and inspection by the other political subdivisions and Rockland County non-profit agencies for which the purchase was made.
4. No officer, board or agency of a county, town, village, or school district shall make any purchase through the County when bids have been received for such purchase by such officer, board or agency, unless such purchase may be made upon the same terms, conditions and specifications at a lower price through the County.
5. All Bidders shall be on notice that as a condition of the award of a County contract, the successful bidder shall accept the award of a similar contract with any other political subdivision in New York State and Rockland County non-profit agencies authorized to use New York State's contracts, if called upon to do so. A listing of approved Rockland County non-profit agencies is available on the Purchasing Division's website at www.rcpurchasing.com. The County, however, will not be responsible for any debts incurred by the participants pursuant to this or any other agreement.
6. Necessary deviations from the County's specifications in the award of a participant contract, whether such deviations relate to quantities, or delivery points shall be resolved between the successful bidder and the other political subdivisions and Rockland County non-profit agencies.

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TITLE: Power Packs and Controllers – Hydraulic
Power Packs, Controllers and Accessories

RFB #: RFB-RC-2025-062

SPECIFICATIONS

1. SCOPE OF WORK

- 1.1. The County of Rockland Sewer District #1 is looking to contract with a vendor for firm fixed unit pricing to furnish and deliver Hydraulic Power Pack, Motor Controllers and accessories as Manufactured by JWC Environmental or approved equal. Installation to be completed by others.
- 1.2. All equipment shall be new, unused, and a current standard product of the manufacturer.
- 1.3. Vendor shall provide:
 - Installation, operation, and maintenance manual
 - Hydraulic schematics and wiring diagrams
 - Bill of materials and recommended spare parts list

2. WARRANTY AND SUPPORT

- 2.1 Manufacturer shall provide a minimum 12-month warranty from startup or 18 months from delivery, whichever occurs first.

3. MINIMUM REQUIREMENTS

- 3.1. **Bidders must complete this section. Failure to complete this section may result in your bid being deemed non-responsive.**

SEE NEXT PAGE

COUNTY OF ROCKLAND - DGS-PURCHASING
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TITLE: Power Packs and Controllers – Hydraulic Power Packs, Controllers and Accessories

RFB #: RFB-RC-2025-062

<p>MINIMUM REQUIREMENTS</p>	<p>BIDDER TO NOTE “COMPLY” PRODUCT SHALL MEET OR EXCEED THESE MINIMUM SPECIFICATIONS</p>
<p><i>Hydraulic Power Pack</i> - Hydraulic power pack shall provide pressure and flow to the torque motor of the grinder. Power pack shall provide sensors and valves to control the pressure, temperature, and flow. Power pack shall include tank, pressure switches, directional control valves, pressure relief valves, pressure gauges, filters, pump, and motor.</p>	<p>NAME - Mfg. of Power Pack</p> <ul style="list-style-type: none"> -Continental Hydraulics -Parker(Torque Motor Only)
<p align="center">COMPONENTS</p>	<p style="background-color: #cccccc;"></p>
<p>Tank</p> <ul style="list-style-type: none"> a. Reservoir shall be 16-inch (406 mm) x 16 (406 mm) x 15 inch (381mm) and hold 10 gallons (38 L) of hydraulic fluid. b. Reservoir shall have a liquid level switch and sight liquid level indicator. c. Reservoir shall be constructed of steel. 	<p>Industry standard vertical 10 gallon reservoir.</p> <p>Complies with switch and sight indicator. Complies with material request.</p>
<p>Pump</p> <ul style="list-style-type: none"> a. Pump shall be a positive displacement type supplying 4.5 GPM (17 L). b. Pump shall be driven by a 5 HP (3.7 kW) TEFC electric motor manufactured by Baldor Electric Company. c. Inlet to pump shall have a suction strainer. d. Return line to pump shall have a replaceable high-pressure filter assembly. 	<p>-5.2 GPM pump - NOTE: Will increase speed of system by roughly 18% from current condition of 4.5GPM.</p> <ul style="list-style-type: none"> -Complies with Electric Motor -Complies with strainer -Low pressure return filter - standard practice
<p>Enclosure</p> <ul style="list-style-type: none"> a. Enclosure shall be fiberglass reinforced polyester NEMA 4X rated. b. Enclosure shall contain terminal connections for pressure switch, level switch, temperature switch, and solenoid valve. 	<ul style="list-style-type: none"> -Complies with junction / terminal box request -Note - no drawings or photos were provided, wiring locations may differ somewhat. Will use best practice standards.

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TITLE: Power Packs and Controllers – Hydraulic Power Packs, Controllers and Accessories

RFB #: RFB-RC-2025-062

<p>HYDRAULIC HOSE AND FITTINGS - Hydraulic flexible hose and steel hydraulic fitting shall be used to connect between the power pack and the torque motor of the grinder. The hydraulic hose and fittings shall be sized in accordance with manufacturer’s recommendations to maintain minimum pressure loss.</p>	
<p>Hose a. Hose shall be ½ inch (13 mm) rated for a minimum of 3,500 psi (24, 138 kPa) working pressure with a 14,000 psi (96,552 kPa) burst pressure. b. Hose shall have an operating temperature of -65⁰F to +200⁰F (-54⁰C to +93⁰C). c. Hose shall be constructed of thermoplastic polyester tube, single braid Kevlar reinforcement, and a black perforated polyurethane cover.</p>	<p>Comply</p>
<p>Fittings a. Fittings shall be SAE 37⁰ flare or SAE O-ring or NPT as required with minimum failure pressure of 21,000 psi (144,690 kPa). b. Fittings shall be constructed of steel.</p>	<p>Comply</p>
<p>Hydraulic Controller – SEE SCHEMATIC pc2240-000-1</p>	
<p>CONTROLLER Controller shall provide control of the grinder and power pack and be designed to control one (1) 5 hp motor at 460 volts, 3 phase, 60 Hz. The controller shall have indicator lights, switches and other control devices.</p>	<p>Comply</p>
<p>Enclosures a. Enclosure shall be fiberglass reinforced polyester NEMA 4X. b. Enclosure shall house the control devices, motor starter, and PLC.</p>	<p>Comply</p>
<p>Grinder ON-OFF/RESET-REMOTE three-position 22mm type, NEMA 4X selector switch. a. In the OFF/RESET position, the grinder shall not run. b. In the ON position, the grinder shall run continuously. c. In the REMOTE position, the grinder shall start and stop as controlled by an external device.</p>	<p>-Comply-Programming included</p>

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TELEPHONE: 845-364-3820 / TELEFAX: 845-364-3809

**TITLE: Power Packs and Controllers – Hydraulic
Power Packs, Controllers and Accessories**

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<p>Pilot Lights</p> <p>a. Lights shall be LED type 22 mm, rated NEMA 4X.</p> <p>b. Lights shall indicate POWER ON, RUN, MOTOR FAULT, JAMMED, LOW OIL LEVEL, and OIL OVERTEMP.</p>	<p>Comply</p>
<p>Programmable Logic Controller (PLC)</p> <p>a. PLC shall be manufactured by Panasonic.</p> <p>b. PLC shall have a minimum of 16K of memory.</p>	<p>The Panasonic model listed is discontinued by the mfg. PLC shall be Siemens not Panasonic. Spec sheet in attachments. Programming included</p>
<p>Motor Starter</p> <p>a. Starter shall be a full-voltage non-reversing type with 120-volt operating coil.</p> <p>b. Overload relays shall be adjustable and sized to full load amperes (FLA) of the motor.</p>	<p>Comply</p>
<p>Control Transformer</p> <p>a. Control transformer shall be minimum 130 VA.</p> <p>b. Control transformer primary and secondary shall be fused for over current protection.</p>	<p>Comply</p>
<p>Performance</p> <p>a. When a grinder obstruction occurs that increases demand pressure above 2,850 psi (19,655 kPa), the controller shall stop the grinder, then reverse the grinder rotation, by activating the solenoid in the directional control valve. If the obstruction is cleared, the controller shall return the grinder and power pack to normal operation. If nine (9) reverses occur within a 45 second interval, the controller shall stop the grinder and activate the JAMMED indicator and relay.</p> <p>b. When a power failure occurs while the grinder is operating, the grinder will resume operation once power is restored.</p> <p>c. When a power failure occurs while the grinder is in a fail condition, once power is restored the fail indicator shall reactivate and remain until reset.</p> <p>d. Reset of a fail condition shall be accomplished from the controller only.</p>	<p>-Comply-Programming included</p>

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4. BRAND NAME OR EQUIVALENT ITEMS

- 4.1. The use of a brand name is for the purpose of describing the standard of quality, performance, and characteristics desired and are not intended to limit or restrict competition.
- 4.2. Bidder must submit specifications, cut sheets, and brochure data with their bid if bidding on an equal or equivalent item. If bidders do not include required information on alternate items, bid will be rejected.
- 4.3. Bids containing equal or equivalent product must contain a written side by side comparison to the JWC product. This analysis must be included with the bid submittal.
- 4.4. Bidder must submit a written affirmation that the product being offered meets or exceeds the specified product.
- 4.5. Bidder must indicate Manufacturer, model and part number on the proposal pages.

5. QUANTITIES

- 5.1. The specified quantities are estimates. The County may purchase more or less than the quantities specified depending on the need of the Department.

6. PRICING

- 6.1. **Pricing Submitted for itemized equipment identified on the proposal pages.**
 - 6.1.1. Unit pricing must be provided for the items specified on the proposal pages. Unit pricing submitted for these items, must be F.O.B. Destination Orangeburg, NY 10962.
- 6.2. **Pricing submitted in accordance the percent discount off Mfg. List Pricing as noted on the proposal pages.**
 - 6.2.1. Pricing submitted under this item shall be in a form of a percent discount from Mfg. current list pricing. Bidder must enter a % discount to be deducted from Mfg. current list pricing for any items not specifically specified. The % Discount offered must include F.O.B. Destination, freight prepaid and added. The seller pays the freight charges but may invoice the freight cost to the County. The seller owns the goods while they are in transit. Title passes to the County at the destination location upon acceptance after inspection.
 - 6.2.2. Freight costs invoiced to the County under this line must contain proof of freight cost e.g. invoice from shipper etc.
 - 6.2.3. Invoices/quotes submitted in accordance with the award of this item, must contain the Mfg. List Price less % discount and show net pricing.

7. PRICE ADJUSTMENTS

- 7.1. The County recognizes this product or service has a price component that may have a commodity with changing costs. The Contractor/Supplier may request a Price Adjustment no more frequently than once each year upon renewal request.

A Price Adjustment request must be made in writing and include the reason for the request, documentation supporting the request (ie, commodity increases), the current pricing, and the

Any alterations to this document made by the Offeror may be grounds for rejection of the proposal, cancellation of any subsequent award, or any legal remedies available to the County of Rockland.

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requested revised pricing.

The County will review the Price Adjustment request. If the Price Adjustment is deemed reasonable the Price Adjustment request will be accepted by written acknowledgement. If the request is not accepted the County may entirely reject the request or may counter with revised pricing. In either case the County will provide a written explanation in support of the decision.

The Director of Purchasing may use available indexes (e.g. CPI or PPI) to determine if the requested Price Adjustment is reasonable. Typically, a Price Adjustment that exceeds 5% will not be approved unless very unusual and significant changes have occurred in the industry.

In the event industry costs decline, the County shall have the right to receive, from the Contractor, a reasonable reduction in prices/pricing that reflect such cost changes in the industry. The County will make a written request to the Contractor for a Price Adjustment in writing with supporting documentation.

7.2. Fixed Pricing with Tariff Adjustment Clause

Pricing shall be firm for the initial contract term; however, should tariffs imposed by the U.S. government materially change, the awarded contractor may request a price adjustment. Such requests must include official documentation verifying the tariff change and will be subject to County approval."

8. AWARD

8.1. This bid will be awarded to the lowest responsible responsive bidder meeting the stated requirements and specifications.