



SR. NO.	DESCRIPTION	QUANTITY	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT COST	UNIT	MATERIAL COST	LABOR RATE	LABOR	UNIT	LABOR RATE		\$ 75
												TOTAL LABOR	LABOR COST	
NEW WORK														
DISTRIBUTION														
PANELS														
1	ECP-500 Utility Control Panel	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
2	ECP 600 Dock doors Controller Panel	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
3	ECP 800 Injection Area Control Panel 480VAC/3P, 60HZ 25KAIC 84x40x18" HD FREE STANDING DISCONNECT ENCLOSURE, TYPE 12, ANSI 61 FINISH, PANEL INCLUDED	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
4	ECP-911 Filler Area#1 Control Panel: 480VAC, 3P, 60Hz, 25KAIC 84x40x18" HD FREE STANDING DISCONNECT ENCLOSURE, TYPE 12, ANSI 61 FINISH, PANEL INCLUDED	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
INSTRUMENTATION DEVICES (ONLY INSTALLATION BY EC)														
DEVICES														
5	3"ON/OFF Control Valve Normally Closed	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
6	3"ON/OFF Control Valve Normal Open	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
7	4"ON/OFF Control Valve Normal Closed	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
8	6" Modulating Valve Incoming City Water	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
9	6" Open/Close Valve City Backwash To City Water Tank	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
10	6" Oen/Close Valve City Backwater To Drain	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
11	6" Open/Close Valve RO Flush Divert To City Water Tank	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
12	6" Open/Close Valve RO Flush Divert To Drain	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
13	Actuated Control valve (ON/OFF) Chilled Water	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
14	Actuated Control valve (ON/OFF) Process TowerWater	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
15	Actuated Control Valve 24 VDC City Water Make-up	2	0%	2	EA			\$ -	\$ 75			-	\$ -	\$ -
16	Actuated Control Valve 24VDC Tower Blow Down	2	0%	2	EA			\$ -	\$ 75			-	\$ -	\$ -
17	Actuated Control Valve Chilled Water (By-Pass)	4	0%	4	EA			\$ -	\$ 75			-	\$ -	\$ -
18	ACTUATED CONTROL VALVE CHILLED WATER (BY-PASS)	2	0%	2	EA			\$ -	\$ 75			-	\$ -	\$ -
19	City Water Incoming Flow Meter Magnetic Flow Meter - Inline	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
20	DEW POINT TRANSMITTER HIGH PRESSURE COMPRESSED AIR	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
21	DEW POINT TRANSMITTER LOW PRESSURE COMPRESSED AIR	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
22	Flow and Temperature Transmitter (insertion) Chilled Water System - Header	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
23	Flow and Temperature Transmitter (Insertion) CHW-R-IMM-001	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -

World Estimating

24	Flow and Temperature Transmitter (Insertion) CHW-R-IMM-002	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
25	Flow and Temperature Transmitter (Insertion) CHW-R-IMM-003	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
26	Flow and Temperature Transmitter (Insertion) Process Tower Water System -Header	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
27	Flow and Temperature Transmitter (Insertion) PTW-R-IMM-001	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
28	Flow and Temperature Transmitter (Insertion) PTW-R-IMM-002	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
29	Flow and Temperature Transmitter (Insertion) PTW-R-IMM-003	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
30	Flow Meter (Totalizer) City Water Make-Up	3	0%	3	EA			\$ -	\$ 75			-	\$ -	\$ -
31	Flow Meter (Totalizer) Tower Blow Down	2	0%	2	EA			\$ -	\$ 75			-	\$ -	\$ -
32	Flow Switch Chilled Water - return	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
33	Flow Switch Process Water System - return	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
34	Flow Meter HIGH PRESSURE COMPRESSED AIR	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
35	Flow Meter HIGH PRESSURE COMPRESSED AIR	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
36	Flow Meter LOW PRESURE COMPRESSED AIR	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
37	Level transmitter - Sanitary City Water Storage SILO Tank -7201	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
38	Level transmitter - Sanitary Drinking Water Storage SILO TNK-7411	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
39	Level Transmitter Chilled Water System (Tank)	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
40	Level Transmitter Tower Water System - Water Basin	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
41	Level Transmitter Process Tower Water System (Tank)	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
42	Level Transmitter Tower Water System-Tower Basin	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
43	LINE#1 & 2 TEMPRATURE TRANSMITTER	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
44	LINE#1 & 2 HUMIDITY TRANSMITTER	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
45	Line#1 Area HMI Pedestal ECP 901	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
46	LINE#1 BLOW MOLDER DEWPOINT TRANSMITTER	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
47	LINE#1 BLOW MOLDER TEMPRATURE TRANSMITTER	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
48	LINE#1 DRINKING WATER DELIVERY TEMPRATURE TRANSMITTER	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
49	LINE#2 BLOW MOLDER TEMPRATURE TRANSMITTER	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
50	LINE#2 BLOW MOLDER TEMPRATURE TRANSMITTER	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
51	LINE#2 DRINKING WATER DEIVERY TEMPRATURE TRANSMITTER	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
52	LINE#2 BLOW MOLDER REQUEST COOLING	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
53	LINE#2 FOLLER CALL FOR WATER	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -

54	LINE#2 TO FILLER PRODUCT AVAILABLE	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
55	LP Air Flow Meter Ingersol-Rand LPC Internal Panel	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
56	LP Air Flow Meter LPCA Header To Injection Only	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
57	LP AIR FOLW METER LPCA HEADER TP BLOW MOLFING/FILLING	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
58	Modbus Communication	5	0%	5	EA			\$ -	\$ 75			-	\$ -	\$ -
59	MODLUTATING TEMPERATUE CONTROL VALVE CHILLED WATER (BRIDLE LOOP)	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
60	Modulating Temepreature Control valve Chilled Water (Bridle Loop)	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
61	Modulating Temperature Control valve Chilled Water (Bridle Loop)	2	0%	2	EA			\$ -	\$ 75			-	\$ -	\$ -
62	MODULATING TEMPRATURE CONTROL VALVE CHILLED WATER (BRIDLE LOOP)	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
63	Pressure Indicating Transmitter City water Pump Skid	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
64	PRESSURE TRANSMITTER AND SNUBBER HIGH PRESSURE COMPRESSED AIR SYSTEM	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
65	PRESSURE TRANSMITTER CH2W-S-BMM-021	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
66	PRESSURE TRANSMITTER CHW-S-BMM-011	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
67	PRESSURE TRANSMITTER HPCA- BMM-011	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
68	PRESSURE TRANSMITTER HPCA-BMM-021	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
69	Pressure Transmitter Chilled Water System (Tank)	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
70	Pressure Transmitter CHW-S-IMM-001	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
71	Pressure Transmitter CHW-S-IMM-002	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
72	Pressure Transmitter CHW-S-IMM-003	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
73	Pressure Transmitter City Water Suppy Line	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
74	Pressure Transmitter Filler Car-1 Product Water	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
75	Pressure Transmitter Filler Car-2 Product Water	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
76	Pressure Transmitter Process Tower Water System -Header	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
77	Proximity Sensor Batching Supply To CIP Skid	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
78	Proximity Sensor Batching Supply To Mineral Grid	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
79	Proximity sensor Carbon Tower Ac-7222 Inlet	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
80	Proximity sensor Carbon Tower Ac-7222 Inlet	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
81	Proximity sensor Carbon Tower Ac-7222 Outlet	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
82	Proximity sensor Carbon Tower Ac-7222 Outlet	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -

83	Proximity sensor CIP Supply To Spare	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
84	Proximity sensor CIP Suupply To Dw Pumps	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
85	Proximity sensor CIP Suupply To RO	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
86	Proximity sensor CIP Suupply To Spare	3	0%	3	EA			\$ -	\$ 75			-	\$ -	\$ -
87	Proximity sensor CIP Suupply to Spare	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
88	Proximity sensor CIP Suupply To SPare	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
89	Proximity Sensor CIP Valve Batching Pump	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
90	Proximity Sensor CIP Valve Line#2 Drinking Water Deelivery Pump	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
91	Proximity Sensor CIP/MIS Batching Pump	3	0%	3	EA			\$ -	\$ 75			-	\$ -	\$ -
92	Proximity sensor Ro-7401-Clp Connection	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
93	Proximity Sensor Sip Valve Line#1 Drinking Water Delivery Pump	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
94	RO#1 Alarm (InternLock) RO-7401	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
95	RO#1 Enable (INTRLOCK) RO-7401	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
96	RO#1 RUnning (InternLock) RO-7401	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
97	Shipping Gate Control Panel ECP-601	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
98	Temperature Transmitter + Thermowell Chilled Water System - Header	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
99	Temperature Transmitter + Thermowell CHW-S Injection Briddle Loop	3	0%	3	EA			\$ -	\$ 75			-	\$ -	\$ -
100	Temperature Transmitter + Thermowell Process Tower Water System -Header	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
101	TEMPRATURE TRANSMITTER + THEMOWELL CHW-S-BLOW MOLDER BRIDLE LOOP	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
102	TEMPRATURE TRANSMITTER+THEMOWELL CHW-S -BLOW MOLDER BRIDLE LOOP	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
103	Vibration Switch - Cooling Tower	2	0%	2	EA			\$ -	\$ 75			-	\$ -	\$ -
ECP 500														
CONDUITS														
104	3/4" Flexible Metal Conduit (Assumed Length)	30	10%	33.297	FT			\$ -	\$ 75			-	\$ -	\$ -
105	3/4" EMT Conduit	21	10%	23.1	FT			\$ -	\$ 75			-	\$ -	\$ -
CONDUCTORS														
106	#18 CU THHN (Assumed the Wire size For Controls)	3984	10%	4382.004	FT			\$ -	\$ 75			-	\$ -	\$ -
107	#18 CU THHN	12	10%	13.2	FT			\$ -	\$ 75			-	\$ -	\$ -
108	Shielded #18 CU THHN	42	10%	46.2	FT			\$ -	\$ 75			-	\$ -	\$ -
109	#16 CU THHN	292	10%	321.53	FT			\$ -	\$ 75			-	\$ -	\$ -
110	#12 CU THHN	298	10%	327.844	FT			\$ -	\$ 75			-	\$ -	\$ -
111	#10 CU THHN	73	10%	80.3	FT			\$ -	\$ 75			-	\$ -	\$ -
112	#14 CU THHN (To Be wired and Installed By Control Panel Builder Installer)	300	10%	330	FT			\$ -	\$ 75			-	\$ -	\$ -
113	BELDEN 28334AS (Assumed Length)	71	10%	77.671	FT			\$ -	\$ 75			-	\$ -	\$ -

114	BELDEN 3106A Cable	134	10%	146.883	FT			\$ -	\$ 75			\$ -	\$ -	\$ -
115	Brown Prefab Cable	4	10%	4.664	FT			\$ -	\$ 75			\$ -	\$ -	\$ -
116	CAT 6	483	10%	531.289	FT			\$ -	\$ 75			\$ -	\$ -	\$ -
GROUNDING														
117	Power Flex 753 Drive Jumper	8	0%	8	EA			\$ -	\$ 75			\$ -	\$ -	\$ -
118	#14 AWG	20	0%	20.25	FT			\$ -	\$ 75			\$ -	\$ -	\$ -
DEVICES														
119	Humidity / Temperature Transmitter; Omega Part # EWS-RH	1	0%	1	EA			\$ -	\$ 75			\$ -	\$ -	\$ -
120	6" Wx4"W Wireway	3	0%	3	FT			\$ -	\$ 75			\$ -	\$ -	\$ -
121	6"Wx4"H Wireway	7	0%	6.74	FT			\$ -	\$ 75			\$ -	\$ -	\$ -
122	Wireway 3"Wx4"H Wireway	12	0%	12.35	FT			\$ -	\$ 75			\$ -	\$ -	\$ -
123	2"Wx4"H Wireway	3	0%	2.74	FT			\$ -	\$ 75			\$ -	\$ -	\$ -
124	Ethernet IP Port/120VAC GFCI Receptacle, UI Type 4, 15amps MFG: GRACEPORT #P-R2-K3RF0	1	0%	1	EA			\$ -	\$ 75			\$ -	\$ -	\$ -
125	13" EXHAUST GRILL, TYPE 12, COLOR: LIGHT GRAY, UV-RESISTANT MFG: HOFFMAN # HG1300404	1	0%	1	EA			\$ -	\$ 75			\$ -	\$ -	\$ -
126	13" Filtered Fan, Type 12, 484 Cfm, 120vac, Color: Light Gray MFG: HOFFMAN # HF1316424	1	0%	1	EA			\$ -	\$ 75			\$ -	\$ -	\$ -
127	1492 Terminal Block Accessories: Partition Plate, Grey MFG: AB #1492-EBJ16	9	0%	9	EA			\$ -	\$ 75			\$ -	\$ -	\$ -
128	15 Amp, 125vac, Nema 5-15p, 2-Pole, 3-Wire MFG: LEVITON #3W101-00E	1	0%	1	EA			\$ -	\$ 75			\$ -	\$ -	\$ -
129	1500VA/865W, 120VAC, Battery Backup Ups, 10 X Nema 5-15P Outlets MFG: APC #BR1500G	1	0%	1	EA			\$ -	\$ 75			\$ -	\$ -	\$ -
130	1756 Control Logix Ethernet / Ip Module, Usb Port, Rj45 Cable Connector MFG: AB #1756-EN2T	1	0%	1	EA			\$ -	\$ 75			\$ -	\$ -	\$ -
131	1756 Control Logix Power Supply, INPUT VOLTAGE: 24 VDC, Output Rating: 10A @ 5V MFG: AB #1756-PB72	1	0%	1	EA			\$ -	\$ 75			\$ -	\$ -	\$ -
132	1756 Control Logix RACK I/O, 7 SLOT CHASSIS MFG: AB #1756-A7	1	0%	1	EA			\$ -	\$ 75			\$ -	\$ -	\$ -
133	1756 Control Logix Slot Filler Card MFG: AB #1756-N2	5	0%	5	EA			\$ -	\$ 75			\$ -	\$ -	\$ -
134	1756 SERIES, CONTROLLOGIX 5580 Controller, 1 Gb Ethernet Port, 1 Usb Port, 5mb User Memory, 4 Char. Alpha/Numeric Display MFG: AB #1756-L82E	1	0%	1	EA			\$ -	\$ 75			\$ -	\$ -	\$ -
135	18" X 18" Folding Shelf, White, 150 Lbs Load Rating MFG: HOFFMAN # AASHLF1818	1	0%	1	EA			\$ -	\$ 75			\$ -	\$ -	\$ -

136	30.5MM TYPE 4/4X Mom. Contact Pb, Non-Illum., Black, Flush Hd, 1 No, Finger Safe Guards MFG: AB #800H-AR2D1	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
137	30.5mm TYPE 4/4X/13 2 POS. PB-ILLUM., Push-Pull/Twist, Red, Mushrm Hd, Led, 12...130V AC/DC, 1 NCLB-1 NO MFG: AB #800H-FRXTQH2RA1	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
138	32 GB, CLASS 2, SDHC Flash Memory Card MFG: SCANDISK #SDSDB-032G-B35	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
139	800F Legend Plate, 60mm Round, Universal, Yellow, Black Text "Emergency Stop" MFG: AB #800F-15YE112	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
140	800H Legend Plate, Standard, Reset, White MFG: AB #800H-W521	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
141	855T Stack Light Base, Black Housing, Surface Mount, 1/2" Npt, Cap Included MFG: AB #855T-BCBC	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
142	Ab Stack Light Module, 70mm, Black Housing, 855t, Red, Steady Incandescent, 24vac/Dc MFG: AB #855T-B24DD4	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
143	CB Accessory: Busbar, 1P, 80A, 12-Poles, UI 489 MFG: EATON # Z-SV/UL-16/1P-1TE/12	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
144	CB Accessory: Busbar, 1P, 80A, 18-Poles, UI 489 MFG: EATON # Z-SV/UL-16/1P-1TE/18	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
145	CB Accessory: Busbar, 1P, 80A, 6-Poles, UI 489 MFG: EATON # Z-SV/UL-16/1P-1TE/6	2	0%	2	EA			\$ -	\$ 75			-	\$ -	\$ -
146	Compact Duplex Receptacle W/ Led, 15a, Din Rail MFG: WEIDMULLER #6720005430	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
147	Contact Block, Shallow Profile, 1 No, 1 NC MFG: AB #800TC-XA	2	0%	2	EA			\$ -	\$ 75			-	\$ -	\$ -
148	Copper Ground Bar, 10 Taps MFG: ILSCO #D167-10	5	0%	5	EA			\$ -	\$ 75			-	\$ -	\$ -
149	DIN-RAIL MOUNTING ASSEMBLY MFG: FIELDSEVER #FS-8915-35-QS	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
150	EC-supplied Humidity / Temperature Transmitter in the Injection Area, final location to be determined by Owner's Project Manager.	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
151	EC-supplied Wet Bulb Temperature Transmitters (Vaisala Part # HMT 330 3EOB1O1GCAC2O0B3CAABAA1, Mounting Kit and Rain Shield Part # DTR502B)	2	0%	2	EA			\$ -	\$ 75			-	\$ -	\$ -
152	End Anchor, Used W/ 35mm Din Rail MFG: AB #1492-EAJ35	29	0%	29	EA			\$ -	\$ 75			-	\$ -	\$ -
153	Ethernet/IP Software Driver For Fieldserver MFG: FIELDSEVER #FS-8704-14	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -

154	Flex 5000 I/O - Communication Adapter, 1GB Ethernet/IP, 2 RJ45 Ports, Supports Up To 8 I/O Modules MFG: AB #5094-AENTR	2	0%	2	EA		\$ -	\$ 75			-	\$ -	\$ -
155	Flex 5000 I/O - Analog Input Module, Current/Voltage, 8-POINT MFG: AB #5094-IF8	4	0%	4	EA		\$ -	\$ 75			-	\$ -	\$ -
156	Flex 5000 I/O - Analog Input Module, Current/Voltage, 8-POINT MFG: AB #5094-IF8	1	0%	1	EA		\$ -	\$ 75			-	\$ -	\$ -
157	Flex 5000 I/O - ANALOG Output MODULE, Current/Voltage, 8-POINT MFG: AB #5094-OF8	1	0%	1	EA		\$ -	\$ 75			-	\$ -	\$ -
158	Flex 5000 I/O - Discrete Input Module, 24VDC, 16-POINT MFG: AB #5094-IB16	4	0%	4	EA		\$ -	\$ 75			-	\$ -	\$ -
159	Flex 5000 I/O - Discrete Output Module, 24VDC, 16-POINT MFG: AB #5094-OB16	3	0%	3	EA		\$ -	\$ 75			-	\$ -	\$ -
160	Flex 5000 I/O - Mounting Base MFG: AB #5094-MB	13	0%	13	EA		\$ -	\$ 75			-	\$ -	\$ -
161	Flex 5000 I/O - Shield Bar For Analog Modules, Wire Range: #22...#14 AWG, RATING: 300VAC, 10AMP MFG: AB #5094-STB	6	0%	6	EA		\$ -	\$ 75			-	\$ -	\$ -
162	Flex 5000 I/O -Removable Terminal Block MFG: AB #5094-RTB3	13	0%	13	EA		\$ -	\$ 75			-	\$ -	\$ -
163	Group Marker Carrier For Terminal Blocks MFG: AB #1492-GM35	5	0%	5	EA		\$ -	\$ 75			-	\$ -	\$ -
164	Guardmaster Expansion Module Safety Relay, 24VDC COIL, 4 NO, 1 NC AUX MFG: AB # 40R-EM4R2	1	0%	1	EA		\$ -	\$ 75			-	\$ -	\$ -
165	Guardmaster Safety Relay, 24VDC COIL, 3 NO, 1 NC MFG: AB # 440R-S13R2	1	0%	1	EA		\$ -	\$ 75			-	\$ -	\$ -
166	Multi-Port Serial Protocol Gateway, Ports: 2 Ethernet / 5 Serial (2 x RJ45 RS-232 Galvanically Isolated, 2 x RS-485, 1 x RJ45 RS-232) MFG: FIELDSEVER # FS-B3510-05	1	0%	1	EA		\$ -	\$ 75			-	\$ -	\$ -
167	Panelview Plus 7 Performance Terminal, Touch Screen, 12", 24vdc, Ethernet/IP, Windows Ce Os License Pro MFG: AB #2711P-T12W22D9P	1	0%	1	EA		\$ -	\$ 75			-	\$ -	\$ -
168	Plug-In Center Jumper - 50 Pole, Blue (Can Be Cut To Length) MFG: AB #1492-CJLJ5-50-BL	3	0%	3	EA		\$ -	\$ 75			-	\$ -	\$ -
169	Plug-In Center Jumper - 50 Pole, Red (Can Be Cut To Length) MFG: AB #1492-CJLJ5-50-R	2	0%	2	EA		\$ -	\$ 75			-	\$ -	\$ -
170	Plug-In Center Jumper - 50 Pole, White (Can Be Cut To Length) MFG: AB #1492-CJLJ5-50-W	5	0%	5	EA		\$ -	\$ 75			-	\$ -	\$ -

171	Power Supply, Input: 110/240VAC, OUTPUT: 20A, 24VDC, 480W MFG: SOLAHD # 20-24-100C	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
172	Screw Conn. Terminal Block; Gray Color, 30-12awg, Rated Voltage 600vac/Dc MFG: AB #1492-J3	108	0%	108	EA			\$ -	\$ 75			-	\$ -	\$ -
173	Temperature Control Switch, 1 No Contact, 120/250vac, Temp.: 30...140 F MFG: HOFFMAN #A-TEMNO	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
174	Terminal Block Style Relay: 6A, 1 Form C, Electromechanical Relay Output, Screw Terminal, 24vac/Vdc Coil MFG: AB #700-HLT1U24	24	0%	24	EA			\$ -	\$ 75			-	\$ -	\$ -
175	Unmanaged Ethernet Switch, 16 PORTS, 10/100MBPS, Din Rail, Rj45 Port - Copper MFG: N-TRON #116TX	3	0%	3	EA			\$ -	\$ 75			-	\$ -	\$ -
	LIGHTING													
176	20-60 VDC Led Enclosure Light, 13.8", Mounting Style: Magnetic, IR Motion Sensor MFG: HOFFMAN #LEDD2M35	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
177	Led Light Cable Assembly, 78.7" (2000 Mm) Long, Use With Dc Power MFG: HOFFMAN #LEDD20C	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
	CIRCUIT BRFEAKERS													
178	Circuit Breaker, 2A, 480/277VAC/48VDC, 1-POLE, C-CURVE, 10kAIC, UL 489 MFG: EATON #FAZ-C2/1-NA-SP	31	0%	31	EA			\$ -	\$ 75			-	\$ -	\$ -
179	Circuit Breaker, 3A, 480/277VAC/48VDC, 1-POLE, C-CURVE, 10kAIC, UL 489 MFG: EATON #FAZ-C3/1-NA-SP	3	0%	3	EA			\$ -	\$ 75			-	\$ -	\$ -
180	Circuit Breaker, 5A, 480/277VAC/48VDC, 1-POLE, C-CURVE, 10kAIC, UL 489 MFG: EATON #FAZ-C5/1-NA-SP	4	0%	4	EA			\$ -	\$ 75			-	\$ -	\$ -
181	Circuit Breaker, 16A, 480/277VAC/48VDC, 1-POLE, C-CURVE, 10kAIC, UL 489 MFG: EATON #FAZ-C16/1-NA-SP	2	0%	2	EA			\$ -	\$ 75			-	\$ -	\$ -
182	Circuit Breaker, 8A, 480/277VAC/48VDC, 1-POLE, C-CURVE, 10kAIC, UL 489 MFG: EATON #FAZ-C8/1-NA-SP	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
183	Circuit Breaker, 20A, 480/277VAC/48VDC, 1-POLE, C-CURVE, 10kAIC, UL 489 MFG: EATON #FAZ-C20/1-NA-SP	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -

184	Circuit Breaker, 30A, 480/277VAC/48VDC, 1-POLE, C-CURVE, 10kAIC, UL 489 MFG: EATON #FAZ-C20/1-NA-SP	1	0%	1	EA		\$ -	\$ 75			-	\$ -	\$ -
ECP 600													
CONDUCTORS													
185	#14 CU THHN	34	10%	37.686	FT		\$ -	\$ 75			-	\$ -	\$ -
186	#12 CU THHN	41	10%	45.1	FT		\$ -	\$ 75			-	\$ -	\$ -
187	CAT 6	6	10%	6.138	FT		\$ -	\$ 75			-	\$ -	\$ -
DEVICES													
188	2"Wx4"H Wireway	10	0%	9.53	FT		\$ -	\$ 75			-	\$ -	\$ -
189	24x24x12" Wall-Mount, Steel Enclosure, Type 12 MFG: HOFFMAN #A242412LP	1	0%	1	EA		\$ -	\$ 75			-	\$ -	\$ -
190	24x24" Subpanel, 12 Gauge Steel, Finished With White Polyester Powder Paint #A24P24 MFG: HOFFMAN	1	0%	1	EA		\$ -	\$ 75			-	\$ -	\$ -
191	Ethernet IP Port/120VAC GFCI Receptacle, UI Type 4, 15AMPS MFG: Graceport # P-R2-K3RFO	1	0%	1	EA		\$ -	\$ 75			-	\$ -	\$ -
192	TEMPERATURE CONTROL SWITCH, 1 NO CONTACT, 120/250VAC, TEMP.: 30...140 F MFG: HOFFMAN # A-TEMNO	1	0%	1	EA		\$ -	\$ 75			-	\$ -	\$ -
193	6" FILTERED FAN, TYPE 12, 23 CFM, 24VDC, COLOR: LIGHT GRAY MFG: HOFFMAN #HF0524414	1	0%	1	EA		\$ -	\$ 75			-	\$ -	\$ -
194	6" Exhaust Grill, Type 12, Color: Light Gray, Uv-Resistant MFG: HOFFMAN # HG0500404	1	0%	1	EA		\$ -	\$ 75			-	\$ -	\$ -
195	1489-M CB Accessory: Busbar, 1PH, 80A, 6-POLES, UL 508 MFG: AB # 1489-AMCL106	1	0%	1	EA		\$ -	\$ 75			-	\$ -	\$ -
196	1489-M CB Accessory: Busbar, 1PH, 80A, 6-POLES, UL 508 MFG: AB # 1489-AMCL106	1	0%	1	EA		\$ -	\$ 75			-	\$ -	\$ -
197	Power Supply, INPUT: 110/240VAC, OUTPUT: 5A, 24VDC, 120W MFG: SOLAHD # SDN 5-24-100P	1	0%	1	EA		\$ -	\$ 75			-	\$ -	\$ -
198	Power Supply, INPUT: 110/240VAC, OUTPUT: 10A, 24VDC, 240W MFG: SOLAHD # SDN 10-24-100C	1	0%	1	EA		\$ -	\$ 75			-	\$ -	\$ -
199	1756 Control Logix Controller MFG: AB #1756-L71	1	0%	1	EA		\$ -	\$ 75			-	\$ -	\$ -
200	1756 Control Logix Power Supply, Input Voltage: 24 Vdc, Output Rating: 10a @ 5V MFG:AB #1756-PB72	1	0%	1	EA		\$ -	\$ 75			-	\$ -	\$ -

216	Mini Circuit Breaker, 3 AMP, TRIP CURVE C, UL/CSA MAX. VOLTAGE: 277VAC, 48VDC MFG: AB #1489-M1C030	8	0%	8	EA			\$ -	\$ 75			-	\$ -	\$ -
217	Mini Circuit Breaker, 5 AMP, TRIP CURVE D, UL/CSA MAX. VOLTAGE: 277VAC, 48VDC MFG: AB #1489-M1D050	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
218	Mini Circuit Breaker, 10 AMP, TRIP CURVE D, UL/CSA MAX. VOLTAGE: 277VAC, 48VDC MFG:AB #1489-M1D100	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
LIGHTING														
219	20-60VDC Led Enclosure Light, 13.8", Mounting Style: Magnetic, Ir Motion Sensor MFG: HOFFMAN #LEDD2M35	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
220	Led Light Cable Assembly, 78.7" (2000 Mm) Long, Use With Dc Power MFG: HOFFMAN # LEDD20C	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
ECP 601														
CONDUITS														
221	3/4" EMT Conduit	151	10%	166.1	FT			\$ -	\$ 75			-	\$ -	\$ -
CONDUCTORS														
222	#14 CU THHN	8	10%	8.8	FT			\$ -	\$ 75			-	\$ -	\$ -
223	#12 CU THHN	303	10%	333.3	FT			\$ -	\$ 75			-	\$ -	\$ -
224	#10 CU THHN	150	10%	165	FT			\$ -	\$ 75			-	\$ -	\$ -
DEVICES														
225	1"Wx4"H Wireway	5	0%	4.66	FT			\$ -	\$ 75			-	\$ -	\$ -
226	1"Wx4"H Wireway	4	0%	4.44	FT			\$ -	\$ 75			-	\$ -	\$ -
227	16 x 12 x 8" STAINLESS STEEL, WALL-MOUNT ENCLOSURE, TYPE 4X MFG: HOFFMAN #A16H1208SSLP	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
228	IO Link Master: Ethernet/IP Interface, 4 Io Ports/8 Digital Inputs/4 Digital Outputs, 24vdc Supply, Ip67 Protection MFG: IFM #AL1120	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
229	Ethernet Cable; 2 M, (M12 Plug / Rj45 Plug) Pur; Housing Materials Pur / Pc; Ip67 Protection MFG: IFM #E11898	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
230	Power Cable; 0.5m, Rating: 60vac/12 Amps; T-Coded; Connector: 1 X M12, Straight; Moulded Body: Pur, Ip67 Protection MFG: IFM #AL1120	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
231	Y/T Splitter; Operating Voltage < 250 Vac; Housing Materials Housing: Pa Orange; Sealing: Fkm; Ip67 Protection MFG: IFM	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -

World Estimating

232	Connection Cable; 1 M, (M12 Straight Plug / M12 Angled Socket) Pur; Housing Materials Pur / Pc; Ip67 Protection MFG: IFM #EVT054	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
233	Male M12 Right Angle Field Wireable Connector, Ip67 Protection MFG: IFM #EVC817	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
234	Power Supply, Input: 110/240vac, Output: 5A, 24vdc, 120w MFG: IFM #DN4012	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
235	Terminal Block Style Relay: 6a, 1 Form C, Electromechanical Relay Output, Screw Terminal, 24vac/Vdc Coil MFG: AB #700-HLT1U24	4	0%	4	EA			\$ -	\$ 75			-	\$ -	\$ -
236	Copper Ground Bar, 10 Taps #ILSCO #D167-10	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
237	End Anchor, Used W/ 35mm Din Rail MFG: AB #1492-EAJ35	2	0%	2	EA			\$ -	\$ 75			-	\$ -	\$ -
238	Screw Conn. Terminal Block; Gray Color, 30-12awg, Rated Voltage 600vac/Dc MFG: AB #1492-J3	4	0%	4	EA			\$ -	\$ 75			-	\$ -	\$ -
239	1489 Terminal Block Accessories: Partition Plate, Grey MFG: AB # 1492-EBJ16	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
240	Plug-In Center Jumper - 50 Pole, White (Can Be Cut To Length) MFG: AB #1492-CJLJ5-50-W	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
241	Plug-In Center Jumper - 50 Pole, Blue (Can Be Cut To Length) MFG: AB #1492-CJLJ5-50-BL	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
242	Plug-In Center Jumper - 50 Pole, Red (Can Be Cut To Length) MFG: AB #1492-CJLJ5-50-R	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
243	Group Marker Carrier For Terminal Blocks MFG: AB #1492-GM35	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
244	Multi-Level Feed-Through Terminal Block MFG: AB #1492-JD3	8	0%	8	EA			\$ -	\$ 75			-	\$ -	\$ -
245	Screw Center Jumper - 10 Pole (FOR 1492-J3, 1492-J3F, 1492-JD3F, 1492-JDG3) MFG: AB #1492-CJJ5-10	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
CIRCUIT BREAKERS														
246	Mini Circuit Breaker, 3 Amp, Trip Curve C, UI/Csa Max. Voltage: 277vac, MFG: AB #489-M1C030	2	0%	2	EA			\$ -	\$ 75			-	\$ -	\$ -
ECP 602														
CONDUITS														
247	3/4" EMT Conduit	151	10%	166.1	FT			\$ -	\$ 75			-	\$ -	\$ -

CONDUCTORS														
248	#14 CU THHN	8	10%	8.8	FT					\$ -	\$ 75	-	\$ -	\$ -
249	#12 CU THHN	303	10%	333.3	FT					\$ -	\$ 75	-	\$ -	\$ -
250	#10 CU THHN	150	10%	165	FT					\$ -	\$ 75	-	\$ -	\$ -
DEVICES														
251	1"Wx4"H Wireway	5	0%	4.66	FT					\$ -	\$ 75	-	\$ -	\$ -
252	1"Wx4"H Wireway	4	0%	4.44	FT					\$ -	\$ 75	-	\$ -	\$ -
253	16 x 12 x 8" STAINLESS STEEL, WALL-MOUNT ENCLOSURE, TYPE 4X MFG: HOFFMAN #A16H1208SSLP	1	0%	1	EA					\$ -	\$ 75	-	\$ -	\$ -
254	IO Link Master: Ethernet/IP Interface, 4 Io Ports/8 Digital Inputs/4 Digital Outputs, 24vdc Supply, Ip67 Protection MFG: IFM #AL1120	1	0%	1	EA					\$ -	\$ 75	-	\$ -	\$ -
255	Ethernet Cable; 2 M, (M12 Plug / Rj45 Plug) Pur; Housing Materials Pur / Pc; Ip67 Protection MFG: IFM #E11898	1	0%	1	EA					\$ -	\$ 75	-	\$ -	\$ -
256	Power Cable; 0.5m, Rating: 60vac/12 Amps; T-Coded; Connector: 1 X M12, Straight; Moulded Body: Pur, Ip67 Protection MFG: IFM #AL1120	1	0%	1	EA					\$ -	\$ 75	-	\$ -	\$ -
257	Y/T Splitter; Operating Voltage < 250 Vac; Housing Materials Housing: Pa Orange; Sealing: Fkm; Ip67 Protection MFG: IFM #EBC113	1	0%	1	EA					\$ -	\$ 75	-	\$ -	\$ -
258	Connection Cable; 1 M, (M12 Straight Plug / M12 Angled Socket) Pur; Housing Materials Pur / Pc; Ip67 Protection MFG: IFM #EVT054	1	0%	1	EA					\$ -	\$ 75	-	\$ -	\$ -
259	Male M12 Right Angle Field Wireable Connector, Ip67 Protection MFG: IFM #EVC817	1	0%	1	EA					\$ -	\$ 75	-	\$ -	\$ -
260	Power Supply, Input: 110/240vac, Output: 5A, 24vdc, 120w MFG: IFM #DN4012	1	0%	1	EA					\$ -	\$ 75	-	\$ -	\$ -
261	Terminal Block Style Relay: 6a, 1 Form C, Electromechanical Relay Output, Screw Terminal, 24vac/Vdc Coil MFG: AB #700-HLT1U24	4	0%	4	EA					\$ -	\$ 75	-	\$ -	\$ -
262	Copper Ground Bar, 10 Taps #ILSCO #D167-10	1	0%	1	EA					\$ -	\$ 75	-	\$ -	\$ -
263	End Anchor, Used W/ 35mm Din Rail MFG: AB #1492-EAJ35	2	0%	2	EA					\$ -	\$ 75	-	\$ -	\$ -
264	Screw Conn. Terminal Block; Gray Color, 30-12awg, Rated Voltage 600vac/Dc MFG: AB #1492-J3	4	0%	4	EA					\$ -	\$ 75	-	\$ -	\$ -
265	1489 Terminal Block Accessories: Partition Plate, Grey MFG: AB # 1492-EBJ16	1	0%	1	EA					\$ -	\$ 75	-	\$ -	\$ -

266	Plug-In Center Jumper - 50 Pole, White (Can Be Cut To Length) MFG: AB #1492-CJLJ5-50-W	1	0%	1	EA		\$ -	\$ 75			-	\$ -	\$ -
267	Plug-In Center Jumper - 50 Pole, Blue (Can Be Cut To Length) MFG: AB #1492-CJLJ5-50-BL	1	0%	1	EA		\$ -	\$ 75			-	\$ -	\$ -
268	Plug-In Center Jumper - 50 Pole, Red (Can Be Cut To Length) MFG: AB #1492-CJLJ5-50-R	1	0%	1	EA		\$ -	\$ 75			-	\$ -	\$ -
269	Group Marker Carrier For Terminal Blocks MFG: AB #1492-GM35	1	0%	1	EA		\$ -	\$ 75			-	\$ -	\$ -
270	Multi-Level Feed-Through Terminal Block MFG: AB #1492-JD3	8	0%	8	EA		\$ -	\$ 75			-	\$ -	\$ -
271	Screw Center Jumper - 10 Pole (FOR 1492-J3, 1492-J3F, 1492-JD3F, 1492-JDG3) MFG: AB #1492-CJLJ5-10	1	0%	1	EA		\$ -	\$ 75			-	\$ -	\$ -
CIRCUIT BREAKERS													
272	Mini Circuit Breaker, 3 Amp, Trip Curve C, UI/Csa Max. Voltage: 277vac, MFG: AB #489-M1C030	2	0%	2	EA		\$ -	\$ 75			-	\$ -	\$ -
ECP 700													
CONDUITS													
273	3/4" EMT Conduit	100	10%	110	FT		\$ -	\$ 75			-	\$ -	\$ -
274	3/4" Liquid Tight Flexible Conduit	41	10%	45.067	FT		\$ -	\$ 75			-	\$ -	\$ -
CONDUCTORS													
275	#18 CU THHN	62	10%	68.2	FT		\$ -	\$ 75			-	\$ -	\$ -
276	Shielded #18 AWG	80	10%	88	FT		\$ -	\$ 75			-	\$ -	\$ -
277	#18 CU THHN (Assumed Wire Size For Controls)	3215	10%	3536.126	FT		\$ -	\$ 75			-	\$ -	\$ -
278	#16 CU THHN (Assumed Length)	79	10%	86.834	FT		\$ -	\$ 75			-	\$ -	\$ -
279	#14 CU THHN	8	10%	8.8	FT		\$ -	\$ 75			-	\$ -	\$ -
280	#10 CU THHN	300	10%	330	FT		\$ -	\$ 75			-	\$ -	\$ -
281	BELDEN 28334AS Cable	119	10%	131.263	FT		\$ -	\$ 75			-	\$ -	\$ -
282	BELDEN 3106A Cable	211	10%	232.254	FT		\$ -	\$ 75			-	\$ -	\$ -
283	CAT 6	78	10%	86.218	FT		\$ -	\$ 75			-	\$ -	\$ -
DEVICES													
284	6" Wx4"W Wireway	3	0%	3	FT		\$ -	\$ 75			-	\$ -	\$ -
285	6"Wx4"H Wireway	7	0%	6.74	FT		\$ -	\$ 75			-	\$ -	\$ -
286	Wireway 3"Wx4"H Wireway	12	0%	12.35	FT		\$ -	\$ 75			-	\$ -	\$ -
287	2"Wx4"H Wireway	3	0%	2.74	FT		\$ -	\$ 75			-	\$ -	\$ -
288	Ethernet IP Port/120vac GFCI Receptacle, UI Type 4, 15amps MFG: GRACEPORT #P-R2-K3RF0	1	0%	1	EA		\$ -	\$ 75			-	\$ -	\$ -
289	18" X 18" Folding Shelf, White, 150 Lbs Load Rating MFG: HOFFMAN # AASHLF1818	1	0%	1	EA		\$ -	\$ 75			-	\$ -	\$ -
290	Temperature Control Switch, 1 No Contact, 120/250vac, Temp.: 30...140 F MFG: HOFFMAN #A-TEMNO	1	0%	1	EA		\$ -	\$ 75			-	\$ -	\$ -

291	13" Filtered Fan, Type 12, 484 Cfm, 120vac, Color: Light Gray MFG: HOFFMAN # HF1316424	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
292	13" EXHAUST GRILL, TYPE 12, COLOR: LIGHT GRAY, UV-RESISTANT MFG: HOFFMAN # HG1300404	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
293	CB Accessory: Busbar, 1P, 80A, 6-Poles, UI 489 MFG: EATON # Z-SV/UL-16/1P-1TE/6	2	0%	2	EA			\$ -	\$ 75			-	\$ -	\$ -
294	CB Accessory: Busbar, 1P, 80A, 12-Poles, UI 489 MFG: EATON # Z-SV/UL-16/1P-1TE/12	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
295	CB Accessory: Busbar, 1P, 80A, 18-Poles, UI 489 MFG: EATON # Z-SV/UL-16/1P-1TE/18	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
296	Guardmaster Safety Relay, 24VDC COIL, 3 NO, 1 NC MFG: AB # 440R-S13R2	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
297	Guardmaster Expansion Module Safety Relay, 24VDC COIL, 4 NO, 1 NC AUX MFG: AB # 40R-EM4R2	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
298	Power Supply, Input: 110/240VAC, OUTPUT: 20A, 24VDC, 480W MFG: SOLAHD # 20-24-100C	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
299	Multi-Port Serial Protocol Gateway, Ports: 2 Ethernet / 5 Serial (2 x RJ45 RS-232 Galvanically Isolated, 2 x RS-485, 1 x RJ45 RS-232) MFG: FIELDSEVER # FS-B3510-05	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
300	DIN-RAIL MOUNTING ASSEMBLY MFG: FIELDSEVER #FS-8915-35-QS	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
301	Ethernet/IP Software Driver For Fieldserver MFG: FIELDSEVER #FS-8704-14	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
302	Flex 5000 I/O - Communication Adapter, 1GB Ethernet/IP, 2 RJ45 Ports, Supports Up To 8 I/O Modules MFG: AB #5094-AENTR	2	0%	2	EA			\$ -	\$ 75			-	\$ -	\$ -
303	Flex 5000 I/O - Mounting Base MFG: AB #5094-MB	13	0%	13	EA			\$ -	\$ 75			-	\$ -	\$ -
304	Flex 5000 I/O -Removable Terminal Block MFG: AB #5094-RTB3	13	0%	13	EA			\$ -	\$ 75			-	\$ -	\$ -
305	Flex 5000 I/O - Discrete Input Module, 24VDC, 16-POINT MFG: AB #5094-IB16	4	0%	4	EA			\$ -	\$ 75			-	\$ -	\$ -
306	Flex 5000 I/O - Shield Bar For Analog Modules, Wire Range: #22...#14 AWG, RATING: 300VAC, 10AMP MFG: AB #5094-STB	6	0%	6	EA			\$ -	\$ 75			-	\$ -	\$ -
307	Flex 5000 I/O - Discrete Output Module, 24VDC, 16-POINT MFG: AB #5094-OB16	3	0%	3	EA			\$ -	\$ 75			-	\$ -	\$ -

308	Flex 5000 I/O - Analog Input Module, Current/Voltage, 8-POINT MFG: AB #5094-IF8	4	0%	4	EA			\$ -	\$ 75			-	\$ -	\$ -
309	Flex 5000 I/O - Analog Input Module, Current/Voltage, 8-POINT MFG: AB #5094-IF8	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
310	Flex 5000 I/O - AnalogOutput Module, Current/Voltage, 8-POINT MFG: AB #5094-OF8	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
311	1756 SERIES, CONTROLLOGIX 5580 Controller, 1 Gb Ethernet Port, 1 Usb Port, 5mb User Memory, 4 Char. Alpha/Numeric Display MFG: AB #1756-L82E	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
312	1756 Control Logix Power Supply, INPUT VOLTAGE: 24 VDC, Output Rating: 10A @ 5V MFG: AB #1756-PB72	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
313	1756 Control Logix Ethernet / Ip Module, Usb Port, Rj45 Cable Connector MFG: AB #1756-EN2T	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
314	1756 Control Logix RACK I/O, 7 SLOT CHASSIS MFG: AB #1756-A7	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
315	1756 Control Logix Slot Filler Card MFG: AB #1756-N2	5	0%	5	EA			\$ -	\$ 75			-	\$ -	\$ -
316	Terminal Block Style Relay: 6A, 1 Form C, Electromechanical Relay Output, Screw Terminal, 24vac/Vdc Coil MFG: AB #700-HLT1U24	24	0%	24	EA			\$ -	\$ 75			-	\$ -	\$ -
317	Panelview Plus 7 Performance Terminal, Touch Screen, 12", 24vdc, Ethernet/IP, Windows Ce Os License Pro MFG: AB #2711P-T12W22D9P	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
318	32 GB, CLASS 2, SDHC Flash Memory Card MFG: SCANDISK #SDSDB-032G-B35	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
319	Unmanaged Ethernet Switch, 16 PORTS, 10/100MBPS, Din Rail, Rj45 Port - Copper MFG: N-TRON #116TX	3	0%	3	EA			\$ -	\$ 75			-	\$ -	\$ -
320	30.5MM TYPE 4/4X Mom. Contact Pb, Non-Illum., Black, Flush Hd, 1 No, Finger Safe Guards MFG: AB #800H-AR2D1	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
321	800H Legend Plate, Standard, Reset, White MFG: AB #800H-W521	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
322	30.5mm TYPE 4/4X/13 2 POS. PB-ILLUM., Push-Pull/Twist, Red, Mushrm Hd, Led, 12...130V AC/DC, 1 NCLB-1 NO MFG: AB #800H-FRXTQH2RA1	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
323	Contact Block, Shallow Profile, 1 No, 1 NC MFG: AB #800TC-XA	2	0%	2	EA			\$ -	\$ 75			-	\$ -	\$ -

324	800F Legend Plate, 60mm Round, Universal, Yellow, Black Text "Emergency Stop" MFG: AB #800F-15YE112	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
325	Stack Light Module, 70mm, Black Housing, 855t, Red, Steady Incandescent, 24vac/Dc MFG: AB #855T-B24DD4	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
326	855T Stack Light Base, Black Housing, Surface Mount, 1/2" Npt, Cap Included MFG: AB #855T-BCBC	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
327	15 Amp, 125vac, Nema 5-15p, 2-Pole, 3-Wire MFG: LEVITON #3W101-00E	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
328	1500va/865w, 120vac, Battery Backup Ups, 10 X Nema 5-15p Outlets MFG: APC #BR1500G	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
329	Compact Duplex Receptacle W/ Led, 15a, Din Rail MFG: WEIDMULLER #6720005430	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
330	Copper Ground Bar, 10 Taps MFG: ILSCO #D167-10	5	0%	5	EA			\$ -	\$ 75			-	\$ -	\$ -
331	End Anchor, Used W/ 35mm Din Rail MFG: AB #1492-EAJ35	29	0%	29	EA			\$ -	\$ 75			-	\$ -	\$ -
332	Screw Conn. Terminal Block; Gray Color, 30-12awg, Rated Voltage 600vac/Dc MFG: AB #1492-J3	108	0%	108	EA			\$ -	\$ 75			-	\$ -	\$ -
333	1492 Terminal Block Accessories: Partition Plate, Grey MFG: AB #1492-EBJ16	9	0%	9	EA			\$ -	\$ 75			-	\$ -	\$ -
334	Plug-In Center Jumper - 50 Pole, White (Can Be Cut To Length) MFG: AB #1492-CJLJ5-50-W	5	0%	5	EA			\$ -	\$ 75			-	\$ -	\$ -
335	Plug-In Center Jumper - 50 Pole, Blue (Can Be Cut To Length) MFG: AB #1492-CJLJ5-50-BL	3	0%	3	EA			\$ -	\$ 75			-	\$ -	\$ -
336	Plug-In Center Jumper - 50 Pole, Red (Can Be Cut To Length) MFG: AB #1492-CJLJ5-50-R	2	0%	2	EA			\$ -	\$ 75			-	\$ -	\$ -
337	Group Marker Carrier For Terminal Blocks MFG: AB #1492-GM35	5	0%	5	EA			\$ -	\$ 75			-	\$ -	\$ -
	LIGHTING													
338	20-60vdc Led Enclosure Light, 13.8" , Mounting Style: Magnetic, Ir Motion Sensor MFG: HOFFMAN #LEDD2M35	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
339	Led Light Cable Assembly, 78.7" (2000 Mm) Long, Use With Dc Power MFG: HOFFMAN #LEDD20C	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -

CIRCUIT BRREAKERS														
340	Circuit Breaker, 2A, 480/277VAC/48VDC, 1-POLE, C-CURVE, 10kAIC, UL 489 MFG: EATON #FAZ-C2/1-NA-SP	31	0%	31	EA			\$ -	\$ 75			-	\$ -	\$ -
341	Circuit Breaker, 3A, 480/277VAC/48VDC, 1-POLE, C-CURVE, 10kAIC, UL 489 MFG: EATON #FAZ-C3/1-NA-SP	3	0%	3	EA			\$ -	\$ 75			-	\$ -	\$ -
342	Circuit Breaker, 5A, 480/277VAC/48VDC, 1-POLE, C-CURVE, 10kAIC, UL 489 MFG: EATON #FAZ-C5/1-NA-SP	4	0%	4	EA			\$ -	\$ 75			-	\$ -	\$ -
343	Circuit Breaker, 16A, 480/277VAC/48VDC, 1-POLE, C-CURVE, 10kAIC, UL 489 MFG: EATON #FAZ-C16/1-NA-SP	2	0%	2	EA			\$ -	\$ 75			-	\$ -	\$ -
344	Circuit Breaker, 8A, 480/277VAC/48VDC, 1-POLE, C-CURVE, 10kAIC, UL 489 MFG: EATON #FAZ-C8/1-NA-SP	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
345	Circuit Breaker, 20A, 480/277VAC/48VDC, 1-POLE, C-CURVE, 10kAIC, UL 489 MFG: EATON #FAZ-C20/1-NA-SP	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
346	Circuit Breaker, 30A, 480/277VAC/48VDC, 1-POLE, C-CURVE, 10kAIC, UL 489 MFG: EATON #FAZ-C20/1-NA-SP	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
ECP 701														
CONDUITS														
347	3/4" EMT Conduit	50	10%	55	FT			\$ -	\$ 75			-	\$ -	\$ -
CONDUCTORS														
348	#18 (Assumed Wire Size)	688	10%	756.888	FT			\$ -	\$ 75			-	\$ -	\$ -
349	CAT 6	20	10%	22	FT			\$ -	\$ 75			-	\$ -	\$ -
350	#12 CU THHN	150	10%	165	FT			\$ -	\$ 75			-	\$ -	\$ -
DEVICES														
351	1"Wx4"H Wireway	7	0%	7.45	FT			\$ -	\$ 75			-	\$ -	\$ -
352	24x20x10" Stainless Steel, Wall-Mount Enclosure, Type 4X MFG: HOFFMAN #A24H2010ALLP	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
353	24 x 20 Enclosure Subpanel MFG: HOFFMAN #A24P20	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
354	Power Line Filter, 120VAC, 2.5A MFG: ISLATROL #IC+102	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
355	24VDC, 10A SDN Power Supply MFG: SOLAHD #SDN 10-24-100C	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
356	Panelview Plus 7 Perf, Touchscreen, 12", 24VDC, Ethernet/IP MFG: AB #2711P-T12W22D9P	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -

357	32 GB, CLASS 2, SDHC Flash Memory Card MFG: SCANDISK #SDSDB-032G-B35	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
358	Unmanaged Ethernet Switch, 4 PORTS, 10/100Mbps, DIN Rail MFG: N-TRON #104TX	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
359	Amber Illuminated Mom. PB, 1NC, 1NO W/FINGERGARDS MFG: AB 800HC-QRBH2A	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
360	Red Mushroom Head PB Illum, TWIST & RELEASE, 1NC, 1NO MFG: AB #800H-FRXTQH2RA1	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
361	Contact Block, Shallow Profile, 1NO, 1NC MFG: AB #800TC-XA	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
362	Pushbutton Protective Guard, Stainless Steel MFG: AB #800T-N310	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
363	AMBER ILLUMINATED MOM. PB, 1NC, 1NO W/FINGERGARDS MFG: AB 800HC-QRBH2A	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
364	Duplex Receptacle, 20A, DIN RAIL MFG: AB #1492-REC20	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
365	Copper Ground Bar, 10 X TAPS, MFG: ILSCO 8#D167-10	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
366	Plug-In Center Jumper - 50 Pole, White (Can Be Cut To Length) MFG: AB # 1492-EBJ16	2	0%	2	EA			\$ -	\$ 75			-	\$ -	\$ -
367	Plug-In Center Jumper - 50 Pole, Blue (Can Be Cut To Length) MFG: AB #1492-CJLJ5-50-W	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
368	Plug-In Center Jumper - 50 Pole, Red (Can Be Cut To Length) MFG: AB #1492-CJLJ5-50-BL	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
369	End Anchor, Used W/ 35mm Din Rail MFG: AB #1492-EAJ35	10	0%	10	EA			\$ -	\$ 75			-	\$ -	\$ -
370	Terminal Block (#24...#12 AWG), 25A, 600V, MFG: AB #1492-J3	17	0%	17	EA			\$ -	\$ 75			-	\$ -	\$ -
371	1492 Terminal Block Accessories: Partition Plate, GRAY MFG: AB #1492-EBJ16	2	0%	2	EA			\$ -	\$ 75			-	\$ -	\$ -
372	Group marker Carrier FOR Terminal Blocks MFG:AB #1492-GM35	2	0%	2	EA			\$ -	\$ 75			-	\$ -	\$ -
CIRCUIT BREAKERS														
373	CIRCUIT BREAKER, 10A, 277VAC/48VDC, 1-POLE, C CURVE, 10kAIC MFG: EATON #FAZ-C10/1-NA-SP	2	0%	2	EA			\$ -	\$ 75			-	\$ -	\$ -
374	CIRCUIT BREAKER, 2A, 277VAC/48VDC, 1-POLE, C CURVE, 10kAIC MFG: EATON #FAZ-C2/1-NA-SP	4	0%	4	EA			\$ -	\$ 75			-	\$ -	\$ -
ECP 702														

CONDUCTORS													
375	IFM Eternet Cable (P/N: E18422)	7	10%	7.403	FT			\$ -	\$ 75		-	\$ -	\$ -
DEVICES													
376	2"Wx4"H Wireway	7	0%	6.94	FT			\$ -	\$ 75		-	\$ -	\$ -
377	24x20x10" STAINLESS STEEL, WALL-MOUNT ENCLOSURE, TYPE 4X MFG: HOFFMAN #A24H2010ALLP	1	0%	1	EA			\$ -	\$ 75		-	\$ -	\$ -
378	24 x 20 ENCLOSURE SUBPANEL MFG: HOFFMAN #A24P20	1	0%	1	EA			\$ -	\$ 75		-	\$ -	\$ -
379	IO Link Master: Ethernet/IP Interface, 4 Io Ports/8 Digital Inputs/4 Digital Outputs, 24vdc Supply, Ip67 Protection MFG: IFM #A16H1208SSLP	1	0%	1	EA			\$ -	\$ 75		-	\$ -	\$ -
380	Ethernet Cable; 5 M, (M12 Plug / Rj45 Plug) Pur; Housing Materials Pur / Pc; Ip67 Protection MFG: IFM #489-M1C030	1	0%	1	EA			\$ -	\$ 75		-	\$ -	\$ -
381	Power Cable; 0.5m, Rating: 60vac/12 Amps; T-Coded; Connector: 1 X M12, Straight; Moulded Body: Pur, Ip67 Protection MFG: IFM #AL1120	1	0%	1	EA			\$ -	\$ 75		-	\$ -	\$ -
382	Y/T Splitter; Operating Voltage < 250 Vac; Housing Materials Housing: Pa Orange; Sealing: Fkm; Ip67 Protection MFG: IFM #E11898	4	0%	4	EA			\$ -	\$ 75		-	\$ -	\$ -
383	Copper Ground Bar, 10 Taps MFG: ILSCO #D167-10	1	0%	1	EA			\$ -	\$ 75		-	\$ -	\$ -
384	End Anchor, USED W/ 35MM DIN RAIL MFG: AB #1492-EAJ35	2	0%	2	EA			\$ -	\$ 75		-	\$ -	\$ -
385	Screw Conn. Terminal Block; Gray Color, 30-12awg, Rated Voltage 600vac/Dc MFG: AB #1492-J3	6	0%	6	EA			\$ -	\$ 75		-	\$ -	\$ -
386	Group Marker Carrier For Terminal Blocks MFG:AB #1492-GM35	1	0%	1	EA			\$ -	\$ 75		-	\$ -	\$ -
387	Plug-In Center Jumper - 50 Pole, White (Can Be Cut To Lenght) MFG: AB # 1492-EBJ16	1	0%	1	EA			\$ -	\$ 75		-	\$ -	\$ -
388	Plug-In Center Jumper - 50 Pole, Blue (Can Be Cut To Lenght) MFG: AB #1492-CJLJ5-50-W	1	0%	1	EA			\$ -	\$ 75		-	\$ -	\$ -
389	1492 Terminal Block ACESSORIES: PARTITION PLATE, GREY MFG: AB #1492-EBJ16	1	0%	1	EA			\$ -	\$ 75		-	\$ -	\$ -
ECP 800													
CONDUITS													
386	3/4" Liquid Tight Flexible Conduit	21	10%	23.1	FT			\$ -	\$ 75		-	\$ -	\$ -
387	1" EMT Conduit	20	10%	22	FT			\$ -	\$ 75		-	\$ -	\$ -

CONDUCTORS														
388	#18 Shided CU THHN	82	10%	90.2	FT			\$ -	\$ 75			-	\$ -	\$ -
389	#10 CU THHN	18	10%	19.25	FT			\$ -	\$ 75			-	\$ -	\$ -
390	#8 CU THHN	56	10%	61.05	FT			\$ -	\$ 75			-	\$ -	\$ -
391	#6 CU THHN	6	10%	6.6	FT			\$ -	\$ 75			-	\$ -	\$ -
392	CAT 6	12	10%	13.2	FT			\$ -	\$ 75			-	\$ -	\$ -
393	BELDEN 28334AS Cable	103	10%	112.827	FT			\$ -	\$ 75			-	\$ -	\$ -
DEVICES														
394	Motors	3	0%	3	EA			\$ -	\$ 75			-	\$ -	\$ -
395	MPCB-BLP-001 32-45 FLA	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
396	MPCB-BLP-002 32-45 FLA	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
397	MPCB-BLP-003 32-45 FLA	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
398	VFD-BLP-001 PowerFlex 753 31,2A Input Rating	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
399	VFD-BLP-002 PowerFlex 753 31,2A Input Rating	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
400	VFD-BLP-003 PowerFlex 753 31,2A Input Rating	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
401	3 PHASE LINE REACTOR: 35 AMPS, 1.2 Mh (25 HP), OPEN STYLE MFG: AB	3	0%	3	EA			\$ -	\$ 75			-	\$ -	\$ -
402	Ethernet Ip Port/120vac GFCI Receptacle, UI Type 4, 15amps MFG: GRACEPORT #P-R2-K3RF0	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
403	13" EXHAUST GRILL, TYPE 12, COLOR: LIGHT GRAY, UV-RESISTANT MFG: HOFFMAN # HG1300404	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
404	13" Filtered Fan, Type 12, 484 Cfm, 120vac, Color: Light Gray MFG: HOFFMAN # HF1316424	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
405	1492 Terminal Block Accessories: Partition Plate, Grey MFG: AB #1492-EBJ16	8	0%	8	EA			\$ -	\$ 75			-	\$ -	\$ -
406	15 Amp, 125vac, Nema 5-15p, 2-Pole, 3-Wire MFG: LEVITON #3W101-00E	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
407	1500va/865w, 120vac, Battery Backup Ups, 10 X Nema 5-15p Outlets MFG: APC #BR1500G	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
408	18" X 18" Folding Shelf, White, 150 Lbs Load Rating MFG: HOFFMAN # AASHLF1818	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
409	2 Pole Fuse Block W/Blown Fuse Indicator- CLASS CC, 30 AMPS, 600VAC/DC MFG: AB #1492-FB2C30-L	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
410	1Pole Fuse Block W/Blown Fuse Indicator- CLASS CC, 30 AMPS, 600VAC/DC MFG: AB #1492-FB1C30-L	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
411	30.5MM TYPE 4/4X Mom. Contact Pb, Non-Illum., Black, Flush Hd, 1 No, Finger Safe Guards MFG: AB #800H-AR2D1	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
412	30.5mm TYPE 4/4X/13 2 POS. PB-ILLUM., Push-Pull/Twist, Red, Mushrm Hd, Led, 12...130V AC/DC, 1 NCLB-1 NO MFG: AB #800H-FRXTQH2RA1	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -

413	855T Stack Light Base, Black Housing, Surface Mount, 1/2" Npt, Cap Included MFG: AB #855T-BCBC	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
414	CB Accessory: Busbar, 1P, 80A, 18-Poles, UI 489 MFG: EATON # Z-SV/UL-16/1P-1TE/18	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
415	CB Accessory: Busbar, 1P, 80A, 6-Poles, UI 489 MFG: EATON # Z-SV/UL-16/1P-1TE/6	2	0%	2	EA			\$ -	\$ 75			-	\$ -	\$ -
417	Compact Duplex Receptacle W/ Led, 15a, Din Rail MFG: WEIDMULLER #6720005430	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
418	Contact Block, Shallow Profile, 1 No, 1 NC MFG: AB #800TC-XA	2	0%	2	EA			\$ -	\$ 75			-	\$ -	\$ -
419	CONTROL POWER TRANSFORMER, 1.0KVA, OPEN FRAME MFG: HAMMOND #SP1000MQMJ	2	0%	2	EA			\$ -	\$ 75			-	\$ -	\$ -
420	Copper Ground Bar, 10 Taps MFG: ILSCO #D167-10	5	0%	5	EA			\$ -	\$ 75			-	\$ -	\$ -
421	CYLINDRICAL FUSE, 12 AMPS, TIME-DELAY/CLASS CC MFG: MERSEN #ATQR12	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
422	CYLINDRICAL FUSE, 5 AMPS, TIME-DELAY/CLASS CC MFG: MERSEN #ATQRS	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
423	End Anchor, Used W/ 35mm Din Rail MFG: AB #1492-EAJ35	25	0%	25	EA			\$ -	\$ 75			-	\$ -	\$ -
424	FINGER GUARD FOR PRIM./SEC. SIDE MFG: HAMMOND #SPFG1	2	0%	2	EA			\$ -	\$ 75			-	\$ -	\$ -
425	Flange Mount Handle Mechanism, 3-FT Flex CABLE, TYPE 1/3R/12, EG-FRAME MFG: EATON #EHMFS03	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
426	Flex 5000 I/O - Communication Adapter, 1GB Ethernet/IP, 2 Rj45 Ports, Supports Up To 8 I/O Modules MFG: AB #5094-AENTR	2	0%	2	EA			\$ -	\$ 75			-	\$ -	\$ -
427	Flex 5000 I/O - Analog Input Module, Current/Voltage, 8-POINT MFG: AB #5094-IF8	3	0%	3	EA			\$ -	\$ 75			-	\$ -	\$ -
428	Flex 5000 I/O - ANALOG Output MODULE, Current/Voltage, 8-POINT MFG: AB #5094-OF8	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
429	Flex 5000 I/O - Discrete Input Module, 24VDC, 16-POINT MFG: AB #5094-IB16	2	0%	2	EA			\$ -	\$ 75			-	\$ -	\$ -
430	Flex 5000 I/O - Discrete Output Module, 24VDC, 16-POINT MFG: AB #5094-OB16	2	0%	2	EA			\$ -	\$ 75			-	\$ -	\$ -
431	Flex 5000 I/O - Mounting Base MFG: AB #5094-MB	8	0%	8	EA			\$ -	\$ 75			-	\$ -	\$ -

432	Flex 5000 I/O - Shield Bar For Analog Modules, Wire Range: #22...#14 AWG, RATING: 300VAC, 10AMP MFG: AB #5094-STB	4	0%	4	EA			\$ -	\$ 75			-	\$ -	\$ -
433	Flex 5000 I/O -Removable Terminal Block MFG: AB #5094-RTB3	8	0%	8	EA			\$ -	\$ 75			-	\$ -	\$ -
434	Group Marker Carrier For Terminal Blocks MFG: AB #1492-GM35	5	0%	5	EA			\$ -	\$ 75			-	\$ -	\$ -
435	Guardmaster Safety Relay, 24VDC COIL, 3 NO, 1 NC MFG: AB # 440R-S13R2	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
436	IEC MOTOR PROTECTION CIRCUIT BREAKER, STANDARD MAGNETIC TRIP, 140M (F-FRAME), RANGE 32...45A MFG: AB #140M-F8E-C45	3	0%	3	EA			\$ -	\$ 75			-	\$ -	\$ -
437	MULTIWIRE CONNECTORS, 6 OPENINGS, #14 - #6 AWG RANGE, EG-FRAME, 125A MAX MFG: EATON	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
438	PF750 Dual-Port Ethernet/Ip Module MFG: AB #20-750-FMTP	3	0%	3	EA			\$ -	\$ 75			-	\$ -	\$ -
439	PF750 Safe torque Off Module MFG: AB #20-750-S	3	0%	3	EA			\$ -	\$ 75			-	\$ -	\$ -
440	Plexiglass Protective Barrier (To Be Assembled By Panel Builder)	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
441	Plug-In Center Jumper - 50 Pole, Blue (Can Be Cut To Length) MFG: AB #1492-CJLJ5-50-BL	2	0%	2	EA			\$ -	\$ 75			-	\$ -	\$ -
442	Plug-In Center Jumper - 50 Pole, Red (Can Be Cut To Length) MFG: AB #1492-CJLJ5-50-R	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
443	Plug-In Center Jumper - 50 Pole, White (Can Be Cut To Length) MFG: AB #1492-CJLJ5-50-W	3	0%	3	EA			\$ -	\$ 75			-	\$ -	\$ -
444	Power Supply, Input: 110/240VAC, OUTPUT: 20A, 24VDC, 480W MFG: SOLAHD # 20-24-100C	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
445	PowerFlex 753 Ac Drive, W/Embedded I/O, 34amps, 25hp, 480vac, 3ph, Frame 3, Filtered, CM Jumper Installed, Db Transistor MFG: AB #20F11ND034JAONNNNN	3	0%	3	EA			\$ -	\$ 75			-	\$ -	\$ -
446	PowerFlex Human Interface Module, Enhanced Lcd Display, Full Numeric Keypad, Nema 1 MFG: AB #20-HIM-A6	3	0%	3	EA			\$ -	\$ 75			-	\$ -	\$ -
447	PUSHBUTTON PROTECTIVE GUARD, STAINLESS STEEL MFG: AB #800T-N310	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
448	Screw Conn. Terminal Block; Gray Color, 30-12awg, Rated Voltage 600vac/Dc MFG: AB #1492-J3	61	0%	61	EA			\$ -	\$ 75			-	\$ -	\$ -
449	Stack Light Module, 70mm, Black Housing, 855t, Red, Steady Incandescent, 24vac/Dc MFG: AB #855T-B24DD4	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -

450	Temperature Control Switch, 1 No Contact, 120/250vac, Temp.: 30...140 F MFG: HOFFMAN #A-TEMNO	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
451	Terminal Block Style Relay: 6A, 1 Form C, Electromechanical Relay Output, Screw Terminal, 24vac/Vdc Coil MFG: AB #700-HLT1U24	24	0%	24	EA			\$ -	\$ 75			-	\$ -	\$ -
452	TERMINAL SHIELDS, IP30 - EG-FRAME MFG: EATON #EFTS3K	2	0%	2	EA			\$ -	\$ 75			-	\$ -	\$ -
453	Unmanaged Ethernet Switch, 16 PORTS, 10/100MBPS, Din Rail, RJ45 Port - Copper MFG: N-TRON #116TX	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
	LIGHTING													
454	20-60vdc Led Enclosure Light, 13.8", Mounting Style: Magnetic, Ir Motion Sensor MFG: HOFFMAN #LEDD2M35	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
455	Led Light Cable Assembly, 78.7" (2000 Mm) Long, Use With Dc Power MFG: HOFFMAN #LEDD20C	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
	CIRCUIT BRFEAKERS													
456	Circuit Breaker, 2A, 480/277VAC/48VDC, 1-POLE, C-CURVE, 10kAIC, UL 489 MFG: EATON #FAZ-C2/1-NA-SP	21	0%	21	EA			\$ -	\$ 75			-	\$ -	\$ -
457	Circuit Breaker, 3A, 480/277VAC/48VDC, 1-POLE, C-CURVE, 10kAIC, UL 489 MFG: EATON #FAZ-C3/1-NA-SP	3	0%	3	EA			\$ -	\$ 75			-	\$ -	\$ -
458	Circuit Breaker, 5A, 480/277VAC/48VDC, 1-POLE, C-CURVE, 10kAIC, UL 489 MFG: EATON #FAZ-C5/1-NA-SP	3	0%	3	EA			\$ -	\$ 75			-	\$ -	\$ -
459	Circuit Breaker, 10A, 480/277VAC/48VDC, 1-POLE, C-CURVE, 10kAIC, UL 489 MFG: EATON #FAZ-C10/1-NA-SP	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
460	Circuit Breaker, 8A, 480/277VAC/48VDC, 1-POLE, C-CURVE, 10kAIC, UL 489 MFG: EATON #FAZ-C8/1-NA-SP	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
461	Circuit Breaker, 16A, 480/277VAC/48VDC, 1-POLE, C-CURVE, 10kAIC, UL 489	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
462	CIRCUIT BREAKER - E125 FRAME, 125AMPS, FIXED THERMAL & MAGNETIC TRIP MFG: EATON #EGB3125FFG	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
	DISCONNECT SWITCH													
463	Disconnect Disc-BLP-001 To be Installed and Supplied By EC	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
464	Disconnect Disc-BLP-002 To be Installed and Supplied By EC	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
465	Disconnect Disc-BLP-003 To be Installed and Supplied By EC	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -

ECP 901														
	CONDUITS													
466	3/4" EMT Conduit	55	10%	60.5	FT			\$ -	\$ 75			-	\$ -	\$ -
	CONDUCTORS													
467	#12 CU THHN	165	10%	181.5	FT			\$ -	\$ 75			-	\$ -	\$ -
468	CAT 6	7	10%	7.414	FT			\$ -	\$ 75			-	\$ -	\$ -
	DEVICES													
469	1"Wx4"H Wireway	7	0%	6.5	FT			\$ -	\$ 75			-	\$ -	\$ -
470	Houses A Variety Of Electronic Cntrl/Instrumentation Devices MFG: HOFFMAN #C20C20	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
471	Straight Pedestal Column 4x4x35 MFG: HOFFMAN #A44CCOL	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
472	Pedestal Base MFG: HOFFMAN #A18SBASE	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
473	Power Supply, INPUT: 110/240VAC, OUTPUT: 5A, 24VDC, 120W MFG: SOLHD #SDN 5-24-100P	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
474	Panelview Plus 7 Performance Terminal, Touch Screen, 12", 24VDC, Ethernet/IP, WINDOWS CE OS LICENSE PRO MFG: AB #2711P-T12W22D9P	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
475	Copper Ground Bar, 10 Taps MFG: ILSCO #D167-10	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
476	32 GB, CLASS 2, SDHC Flash Memory Card MFG: SCANDISK #SDSDB-032G-B35	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
477	End Anchor, USED W/ 35MM DIN RAIL MFG: AB #1492-EAJ35	8	0%	8	EA			\$ -	\$ 75			-	\$ -	\$ -
478	Screw Conn. Terminal Block; Gray Color, 30-12awg, Rated Voltage 600vac/Dc MFG: AB #1492-J3	10	0%	10	EA			\$ -	\$ 75			-	\$ -	\$ -
479	1492 Terminal Block Accessories: Partition Plate, Grey MFG: AB #1492-EBJ16	2	0%	2	EA			\$ -	\$ 75			-	\$ -	\$ -
480	Plug-In Center Jumper - 50 Pole, White (Can Be Cut To Length) MFG: AB #1492-CJLJ5-50-W	2	0%	2	EA			\$ -	\$ 75			-	\$ -	\$ -
481	Plug-In Center Jumper - 50 Pole, Blue (Can Be Cut To Length) MFG: AB #1492-CJLJ5-50-BL	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
482	Plug-In Center Jumper - 50 Pole, Red (Can Be Cut To Length) MFG: AB #1492-CJLJ5-50-R	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
483	Group Marker Carrier For Terminal Blocks MFG: AB #1492-GM35	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -

CIRCUIT BRREAKERS														
484	Circuit Breaker, 3A, 480/277VAC/48VDC, 1-POLE, C-CURVE, 10KAIC, UL 489 MFG: EATON #FAZ-C3/1-NA-SP	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
485	Circuit Breaker, 5A, 480/277VAC/48VDC, 1-POLE, C-CURVE, 10KAIC, UL 489 MFG: EATON #FAZ-C5/1-NA-SP	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
ECP 902														
CONDUITS														
486	3/4" EMT Conduit	50	10%	55	FT			\$ -	\$ 75			-	\$ -	\$ -
CONDUCTORS														
487	#12 CU THHN	150	10%	165	FT			\$ -	\$ 75			-	\$ -	\$ -
488	CAT 6	20	10%	22	FT			\$ -	\$ 75			-	\$ -	\$ -
DEVICES														
489	1"Wx4"H Wireway	5	0%	4.53	FT			\$ -	\$ 75			-	\$ -	\$ -
490	Houses A Variety Of Electronic Cntrl/Instrumentation Devices MFG: HOFFMAN #C20C20	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
491	Straight Pedestal Column 4x4x35 MFG: HOFFMAN #A44CCOL	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
492	Pedestal base MFG: HOFFMAN #A18SBASE	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
493	Power Supply, INPUT: 110/240VAC, OUTPUT: 5A, 24VDC, 120W MFG: SOLHD #SDN 5-24-100P	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
494	PANELVIEW PLUS 7 PERFORMANCE TERMINAL, TOUCH SCREEN, 12", 24VDC, Ethernet/IP, WINDOWS CE OS LICENSE PRO MFG: AB #2711P-T12W22D9P	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
495	Copper Ground Bar, 10 Taps MFG: ILSCO #D167-10	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
496	32 GB, CLASS 2, SDHC FLASH MEMORY CARD MFG: SCANDISK #SDSDB-032G-B35	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
497	End Anchor, USED W/ 35MM DIN RAIL MFG: AB #1492-EAJ35	8	0%	8	EA			\$ -	\$ 75			-	\$ -	\$ -
498	Screw Conn. Terminal Block; Gray Color, 30-12awg, Rated Voltage 600vac/Dc MFG: AB #1492-J3	10	0%	10	EA			\$ -	\$ 75			-	\$ -	\$ -
499	1492 Terminal Block Accessories: Partition Plate, Grey MFG: AB #1492-EBJ16	2	0%	2	EA			\$ -	\$ 75			-	\$ -	\$ -
500	Plug-In Center Jumper - 50 Pole, White (Can Be Cut To Lenght) MFG: AB #1492-CJLJ5-50-W	2	0%	2	EA			\$ -	\$ 75			-	\$ -	\$ -

501	Plug-In Center Jumper - 50 Pole, Blue (Can Be Cut To Lenght) MFG: AB #1492-CJLJ5-50-BL	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
502	Plug-In Center Jumper - 50 Pole, Red (Can Be Cut To Lenght) MFG: AB #1492-CJLJ5-50-R	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
503	Group Marker Carrier For Terminal Blocks MFG: AB #1492-GM35	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
CIRCUIT BRFEAKERS														
504	Circuit Breaker, 3A, 480/277VAC/48VDC, 1-POLE, C-CURVE, 10kAIC, UL 489 MFG: EATON #FAZ-C3/1-NA-SP	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
505	Circuit Breaker, 5A, 480/277VAC/48VDC, 1-POLE, C-CURVE, 10kAIC, UL 489 MFG: EATON #FAZ-C5/1-NA-SP	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
ECP 911														
CONDUITS														
506	3/4" Liquid Tight Flexible Conduit	20	10%	22	FT			\$ -	\$ 75			-	\$ -	\$ -
507	3/4" EMT Conduit	30	10%	33	FT			\$ -	\$ 75			-	\$ -	\$ -
CONDUCTORS														
508	#16 CU THHN	50	10%	55	FT			\$ -	\$ 75			-	\$ -	\$ -
509	#18 (Assumed Wire Size For Controls)	4724	10%	5196.774	FT			\$ -	\$ 75			-	\$ -	\$ -
510	#18 Shielded CU THHN	40	10%	44	FT			\$ -	\$ 75			-	\$ -	\$ -
511	BELDEN 28334AS	150	10%	165	FT			\$ -	\$ 75			-	\$ -	\$ -
512	CAT 6	30	10%	33	FT			\$ -	\$ 75			-	\$ -	\$ -
513	#12 CU THHN	90	10%	99	FT			\$ -	\$ 75			-	\$ -	\$ -
DEVICES														
513	Line Reactors 3% Z	2	0%	2	EA			\$ -	\$ 75			-	\$ -	\$ -
514	Motor Connection	2	0%	2	EA			\$ -	\$ 75			-	\$ -	\$ -
515	MPCB-BLP-011 10...16A	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
516	MPCB-BLP-021 10...16A	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
517	VFD-BLP-011 PowerFlex 753 9.5A Input Rating	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
518	VFD-BLP-021 PowerFlex 753 9.5A Input Rating	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
519	Ethernet Ip Port/120vac GFCI Receptacle, UI Type 4, 15amps MFG: GRACEPORT #P-R2-K3RFO	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
520	13" Exhaust Grill, TYPE 12, COLOR: LIGHT GRAY, UV-RESISTANT MFG: HOFFMAN # HG1300404	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
521	13" Filtered Fan, Type 12, 484 Cfm, 120vac, Color: Light Gray MFG: HOFFMAN # HF1316424	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
522	1492 Terminal Block Acessories: Partition Plate, Grey MFG: AB #1492-EBJ16	8	0%	8	EA			\$ -	\$ 75			-	\$ -	\$ -
523	15 Amp, 125vac, Nema 5-15p, 2-Pole, 3-Wire MFG: LEVITON #3W101-00E	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -

524	1500VA/865W, 120VAC, Battery Backup Ups, 10 X Nema 5-15P Outlets MFG: APC #BR1500G	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
525	18" X 18" Folding Shelf, White, 150 Lbs Load Rating MFG: HOFFMAN # AASHLF1818	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
526	1Pole Fuse Block W/Blown Fuse Indicator- CLASS CC, 30 AMPS, 600VAC/DC MFG: AB #1492-FB1C30-L	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
527	2 Pole Fuse Block W/Blown Fuse Indicator- CLASS CC, 30 AMPS, 600VAC/DC MFG: AB #1492-FB2C30-L	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
528	30.5MM TYPE 4/4X Mom. Contact Pb, Non-Illum., Black, Flush Hd, 1 No, Finger Safe Guards MFG: AB #800H-AR2D1	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
529	30.5mm TYPE 4/4X/13 2 POS. PB-ILLUM., Push-Pull/Twist, Red, Mushrm Hd, Led, 12...130V AC/DC, 1 NCLB-1 NO MFG: AB #800H-FRXTQH2RA1	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
530	855T Stack Light Base, Black Housing, Surface Mount, 1/2" Npt, Cap Included MFG: AB #855T-BCBC	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
531	Ab Stack Light Module, 70mm, Black Housing, 855t, Red, Steady Incandescent, 24vac/Dc MFG: AB #855T-B24DD4	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
532	CB Acessory: Busbar, 1P, 80A, 18-Poles, UI 489 MFG: EATON # Z-SV/UL-16/1P-1TE/18	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
533	CB Acessory: Busbar, 1P, 80A, 6-Poles, UI 489 MFG: EATON # Z-SV/UL-16/1P-1TE/6	2	0%	2	EA			\$ -	\$ 75			-	\$ -	\$ -
534	Compact Duplex Receptacle W/ Led, 15a, Din Rail MFG: WEIDMULLER #6720005430	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
535	Contact Block, Shallow Profile, 1 No, 1 NC MFG: AB #800TC-XA	2	0%	2	EA			\$ -	\$ 75			-	\$ -	\$ -
536	CONTROL POWER TRANSFORMER, 1.0KVA, OPEN FRAME MFG: HAMMOND #SP1000MQMJ	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
537	Copper Ground Bar, 10 Taps MFG: ILSCO #D167-10	5	0%	5	EA			\$ -	\$ 75			-	\$ -	\$ -
538	CYLINDRICAL FUSE, 12 AMPS, TIME-DELAY/CLASS CC MFG: MERSEN #ATQR12	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
539	CYLINDRICAL FUSE, 5 AMPS, TIME-DELAY/CLASS CC MFG: MERSEN #ATQRS	2	0%	2	EA			\$ -	\$ 75			-	\$ -	\$ -
540	End Anchor, Used W/ 35mm Din Rail MFG: AB #1492-EAJ35	24	0%	24	EA			\$ -	\$ 75			-	\$ -	\$ -

541	FINGER GUARD FOR PRIM./SEC. SIDE MFG: HAMMOND #SPFG1	2	0%	2	EA			\$ -	\$ 75			-	\$ -	\$ -
542	FLANGE MOUNT HANDLE MECHANISM, 3-FT Flex CABLE, TYPE 1/3R/12, EG-FRAME MFG: EATON #EHMFS03	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
543	Flex 5000 I/O - Communication Adapter, 1GB Ethernet/IP, 2 Rj45 Ports, Supports Up To 8 I/O Modules MFG: AB #5094-AENTR	2	0%	2	EA			\$ -	\$ 75			-	\$ -	\$ -
544	Flex 5000 I/O - Analog Input Module, Current/Voltage, 8-POINT MFG: AB #5094-IF8	4	0%	4	EA			\$ -	\$ 75			-	\$ -	\$ -
545	Flex 5000 I/O - Analog Input Module, Current/Voltage, 8-POINT MFG: AB #5094-IF8	3	0%	3	EA			\$ -	\$ 75			-	\$ -	\$ -
546	Flex 5000 I/O - ANALOG Output MODULE, Current/Voltage, 8-POINT MFG: AB #5094-OF8	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
547	Flex 5000 I/O - Discrete Input Module, 24VDC, 16-POINT MFG: AB #5094-IB16	2	0%	2	EA			\$ -	\$ 75			-	\$ -	\$ -
548	Flex 5000 I/O - Discrete Output Module, 24VDC, 16-POINT MFG: AB #5094-OB16	2	0%	2	EA			\$ -	\$ 75			-	\$ -	\$ -
549	Flex 5000 I/O - Mounting Base MFG: AB #5094-MB	8	0%	8	EA			\$ -	\$ 75			-	\$ -	\$ -
550	Flex 5000 I/O - Shield Bar For Analog Modules, Wire Range: #22...#14 AWG, RATING: 300VAC, 10AMP MFG: AB #5094-STB	4	0%	4	EA			\$ -	\$ 75			-	\$ -	\$ -
551	Flex 5000 I/O -Removable Terminal Block MFG: AB #5094-RTB3	8	0%	8	EA			\$ -	\$ 75			-	\$ -	\$ -
552	Group Marker Carrier For Terminal Blocks MFG: AB #1492-GM35	3	0%	3	EA			\$ -	\$ 75			-	\$ -	\$ -
553	Guardmaster Safety Relay, 24VDC COIL, 3 NO, 1 NC MFG: AB # 440R-S13R2	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
554	MULTIWIRE CONNECTORS, 6 OPENINGS, #14 - #6 AWG RANGE, EG-FRAME, 125A MAX MFG: EATON	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
555	Plexiglass roective Barrier (TO BE ASSEMBLED BY PANEL BUILDER)	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
556	Plug-In Center Jumper - 50 Pole, Blue (Can Be Cut To Length) MFG: AB #1492-CJLJ5-50-BL	2	0%	2	EA			\$ -	\$ 75			-	\$ -	\$ -
557	Plug-In Center Jumper - 50 Pole, Red (Can Be Cut To Length) MFG: AB #1492-CJLJ5-50-R	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
558	Plug-In Center Jumper - 50 Pole, White (Can Be Cut To Length) MFG: AB #1492-CJLJ5-50-W	3	0%	3	EA			\$ -	\$ 75			-	\$ -	\$ -

573	Circuit Breaker, 2A, 480/277VAC/48VDC, 1-POLE, C-CURVE, 10KAIC, UL 489 MFG: EATON #FAZ-C2/1-NA-SP	21	0%	21	EA			\$ -	\$ 75			-	\$ -	\$ -
574	Circuit Breaker, 3A, 480/277VAC/48VDC, 1-POLE, C-CURVE, 10KAIC, UL 489 MFG: EATON #FAZ-C3/1-NA-SP	3	0%	3	EA			\$ -	\$ 75			-	\$ -	\$ -
575	Circuit Breaker, 5A, 480/277VAC/48VDC, 1-POLE, C-CURVE, 10KAIC, UL 489 MFG: EATON #FAZ-C5/1-NA-SP	3	0%	3	EA			\$ -	\$ 75			-	\$ -	\$ -
576	Circuit Breaker, 10A, 480/277VAC/48VDC, 1-POLE, C-CURVE, 10KAIC, UL 489 MFG: EATON #FAZ-C10/1-NA-SP	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
577	Circuit Breaker, 8A, 480/277VAC/48VDC, 1-POLE, C-CURVE, 10KAIC, UL 489 MFG: EATON #FAZ-C8/1-NA-SP	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
578	Circuit Breaker, 16A, 480/277VAC/48VDC, 1-POLE, C-CURVE, 10KAIC, UL 489 MFG: EATON #FAZ-C16/1-NA-SP	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
579	50A 3P	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
580	CIRCUIT BREAKER - E125 FRAME, 125AMPS, FIXED THERMAL & MAGNETIC TRIP MFG: EATON #EGB3125FFG	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
581	Motor Protection circuit Breaker 10...16A, STANDARD MAGNETIC TRIP, 140M (D-FRAME)	2	0%	2	EA			\$ -	\$ 75			-	\$ -	\$ -
DISCONNECT SWITCHES														
582	Disconnect Disc-BLP-011 Supplied And Installed By EC	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
583	Disconnect Disc-BLP-021 Supplied And Installed By EC	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
STRECTHWRAPPER MATERIAL														
584	4"x4" Stainless steel wireway	160	0%	160	FT			\$ -	\$ 75			-	\$ -	\$ -
585	4"x4"x4" Stainless steel wireway Tees	4	0%	4	EA			\$ -	\$ 75			-	\$ -	\$ -
586	4"x4" Stainless steel wireway 90s	4	0%	4	EA			\$ -	\$ 75			-	\$ -	\$ -
587	4"x4" Stainless steel wireway 45	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
588	Brakets (Assumed Quantity)	10	0%	10	EA			\$ -	\$ 75			-	\$ -	\$ -
589	Nuts and Bolts (Assumed Quantity)	20	0%	20	EA			\$ -	\$ 75			-	\$ -	\$ -
KRONES														
CONDUCTORS (LENGTHS ARE ASSUMED)														
590	#22 BELDEN 3079	564	10%	620.4	FT			\$ -	\$ 75			-	\$ -	\$ -
591	#18 AWG TreyFlex II	4419	10%	4861.208	FT			\$ -	\$ 75			-	\$ -	\$ -
592	#16 AWG Treyflex II	1735	10%	1908.753	FT			\$ -	\$ 75			-	\$ -	\$ -
593	#14 AWG Treyflex II	2442	10%	2686.2	FT			\$ -	\$ 75			-	\$ -	\$ -
594	#14 AWG Treyflex II CY	4864	10%	5350.136	FT			\$ -	\$ 75			-	\$ -	\$ -
595	#12 AWG Treyflex II	1919	10%	2110.9	FT			\$ -	\$ 75			-	\$ -	\$ -
DEVICES														
596	Disconnect Disc-BLP-011 Supplied And Installed By EC	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -
597	Disconnect Disc-BLP-021 Supplied And Installed By EC	1	0%	1	EA			\$ -	\$ 75			-	\$ -	\$ -

598	Intelligent Unit For Control Of Conveyers	38	0%	38	EA		\$ -	\$ 75			-	\$ -	\$ -
599	Control and Monitoring Units	9	0%	9	EA		\$ -	\$ 75			-	\$ -	\$ -
600	Emergency Stop button	11	0%	11	EA		\$ -	\$ 75			-	\$ -	\$ -
601	Inductive Proximity Switch W/ Mechanical Rocker For Container Backu	17	0%	17	EA		\$ -	\$ 75			-	\$ -	\$ -
602	Terminal Box	14	0%	14	EA		\$ -	\$ 75			-	\$ -	\$ -
603	Inductive Proximity Switch Mechanical Rocker For Detection Of Contain	2	0%	2	EA		\$ -	\$ 75			-	\$ -	\$ -
604	Unit Comprising Sprocket/Proximity Sitch For monitoring Of Conveyer	6	0%	6	EA		\$ -	\$ 75			-	\$ -	\$ -
605	Cell Assembly W/ Transmitter and receiver	2	0%	2	EA		\$ -	\$ 75			-	\$ -	\$ -
606	Motor	5	0%	5	EA		\$ -	\$ 75			-	\$ -	\$ -
607	Push button	11	0%	11	EA		\$ -	\$ 75			-	\$ -	\$ -
608	Vertical Basket Cable Duct	45	0%	45.23	FT		\$ -	\$ 75			-	\$ -	\$ -
609	E-Stop Remote	1	0%	1	EA		\$ -	\$ 75			-	\$ -	\$ -
610	Control Cabinet	1	0%	1	EA		\$ -	\$ 75			-	\$ -	\$ -
611	Conrol Cabinet end Cover	2	0%	2	EA		\$ -	\$ 75			-	\$ -	\$ -

TOTAL MATERIAL COST \$ -

TOTAL MANHOURS' COST \$ -

TOTAL COST \$ -

OVERHEADS & PROFIT 25% \$ -

TOTAL BID \$ -

SCOPE OF ESTIMATE:

1	SUPPLY & INSTALLATION
1	Distribution
2	Disconnect Switches
3	ECP 500
4	ECP 600
5	ECP 601
6	ECP 602
7	ECP 700
8	ECP 701
9	ECP 702
10	ECP 800
11	ECP 900
12	ECP 901
13	ECP 902
14	ECP 911
16	Stretchwrapper Material
17	KRONES

World Estimating