
COX

Research and Technology, Inc.

DUPLEX PUMP CONTROL PANEL

Cox Research and Technology, Inc.
14697 S. Harrells Ferry Road
Baton Rouge, LA. 70816
(225) 756-3271 Fax (225) 755-1030

VOLTAGE	120/240V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2	
HP	3	
FLA	19	
TYPE OF PUMP	Submersible	(Self-Priming, Submersible)
MANUFACTURER	BARNES	
CATALOG NUMBER	3SE3034DS	
CONTROL VOLTAGE	24V	(120V, Other)
ENCLOSURE	NEMA 4X	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	Stainless Steel	(Painted Steel, Stainless Steel, Fiberglass)
CONTROL SENSOR	Sub.Transducer	(Floats, Bubbler, Other)
CAPACITORS	No	(Yes, No)
CAPACITOR WIRING FIGURE	N/A	
THERM. & SEAL FAIL WIRING FIGURE		

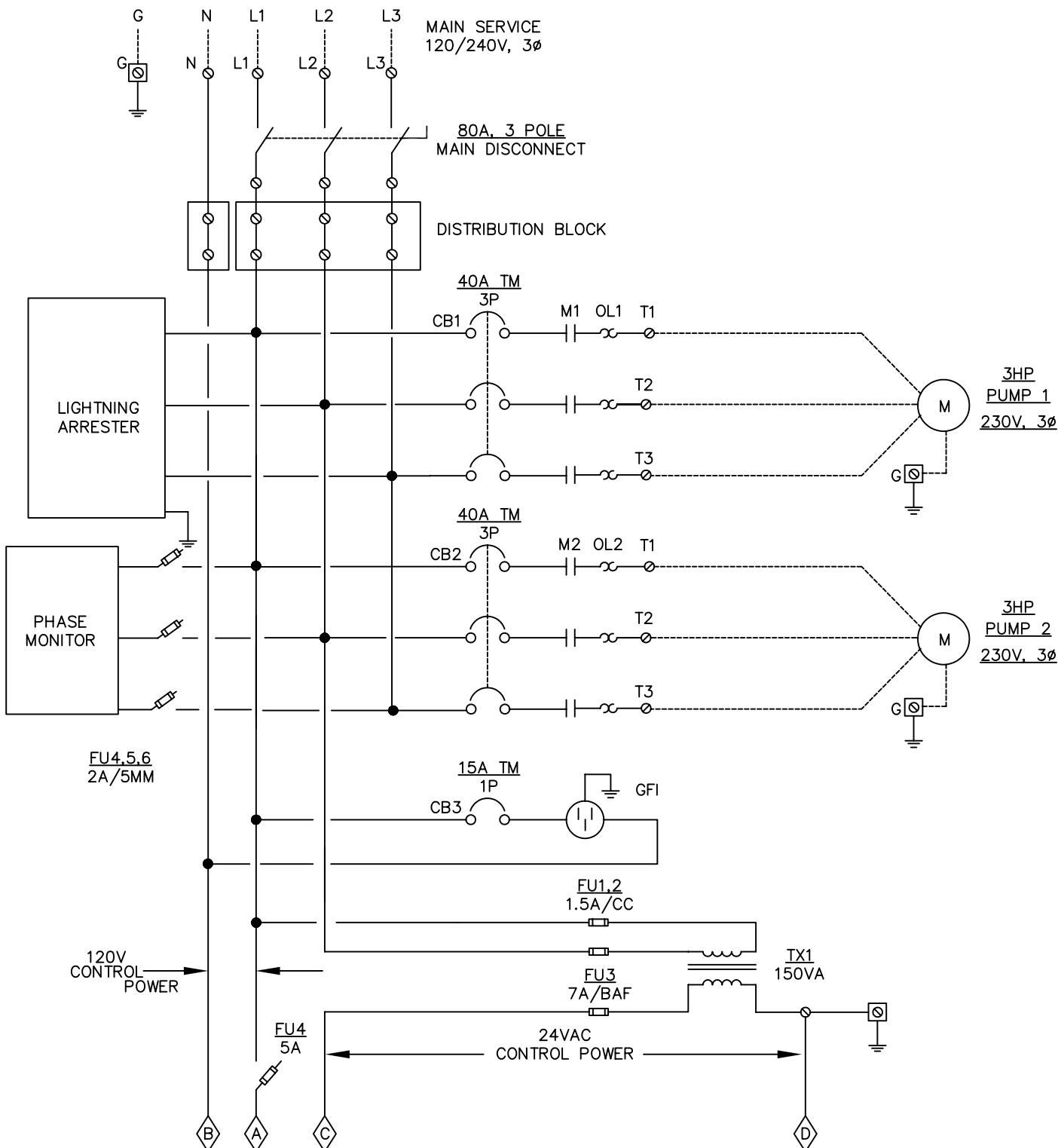
OPTIONS:

SEAL FAIL LIGHTS	X	(Submersible Only)
SEAL FAIL RELAYS	X	(Submersible Only)
SEAL FAIL PUMP SHUTDOWN		(Submersible Only)
HT PUMP SHUTDOWN	X	(Self-Primer, Submersible)
ALARM HORN		
ALARM LIGHT	X	
LIGHT PANEL MTD	X	
LIGHT REMOTE MTD		
LIGHT FLASHER		
LIGHTNING ARRESTER	X	
ELAPSED TIME METER	X	
PHASE MONITOR		
NEMA RATED STARTERS	X	
GROUND FAULT RECPT.		
GREEN RUN LIGHTS VS. RED		
POLE, BOX, SEAL		
INTRINSICALLY SAFE RELAYS		
HIGH TEMP. LOCKOUT, MANUAL RESET		
ECONOMY VERSION		

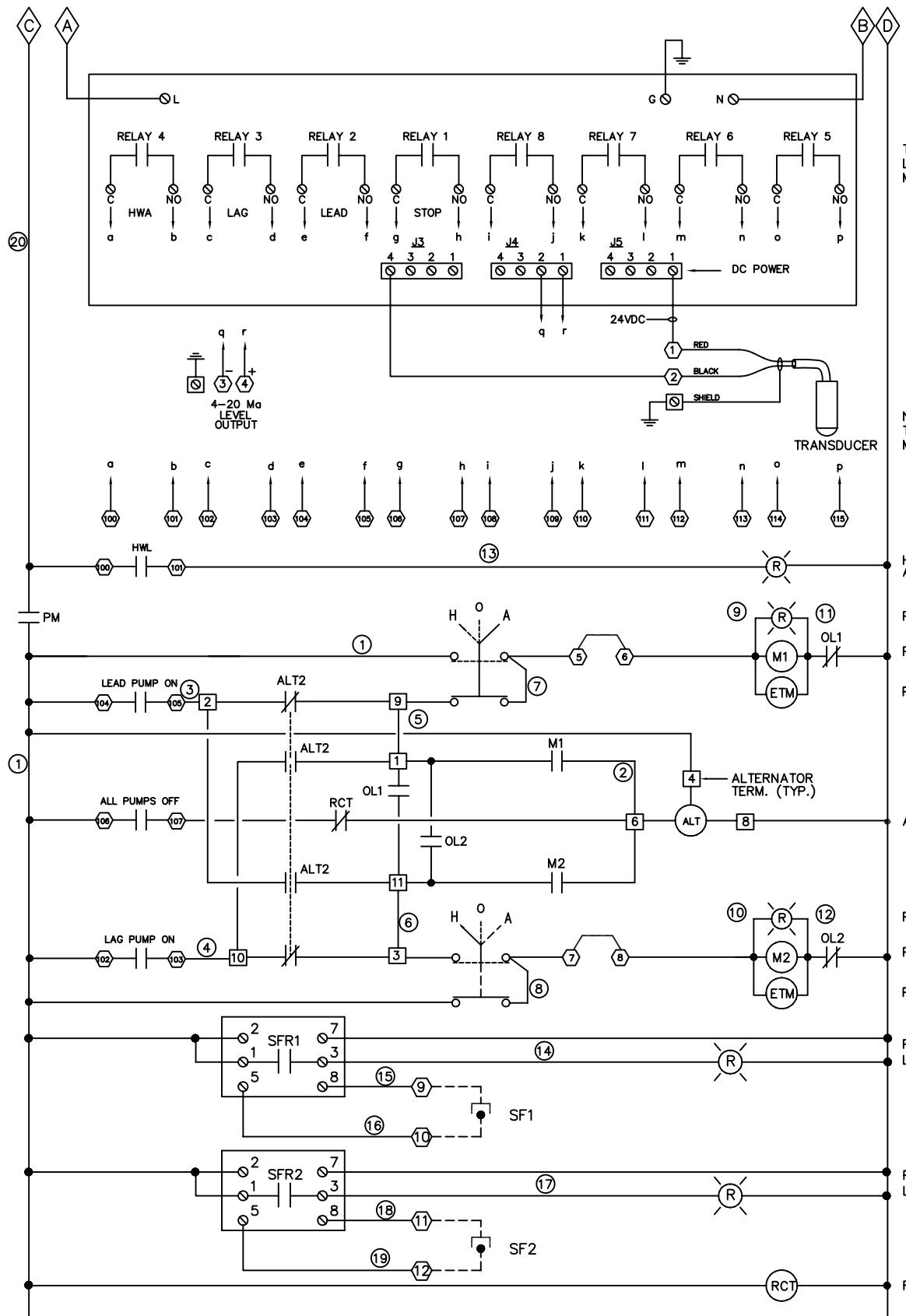
SOLD TO: Delta Process - Ruston, LA
TAG : Oberlin

SHIP TO: Delta Process - Ruston, LA

	Drawing Title					
	PANEL DESCRIPTION					
DATE 11/29/05	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY C. RACHAL	DATE APPROVED BY	BY
	Project Title DUPLEX PUMP CONTROL PANEL	COX Research and Technology, Inc.		P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-2213 SHEET NUMBER 1	



	Drawing Title POWER DIAGRAM				
		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY C. RACHAL APPROVED BY DATE
DATE 11/29/05					
	Project Title DUPLEX PUMP CONTROL PANEL	COX Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-2213 SHEET NUMBER 2	



Drawing Title

CONTROL DIAGRAMDATE
11/29/05

Project Title

**DUPLEX PUMP
CONTROL PANEL**

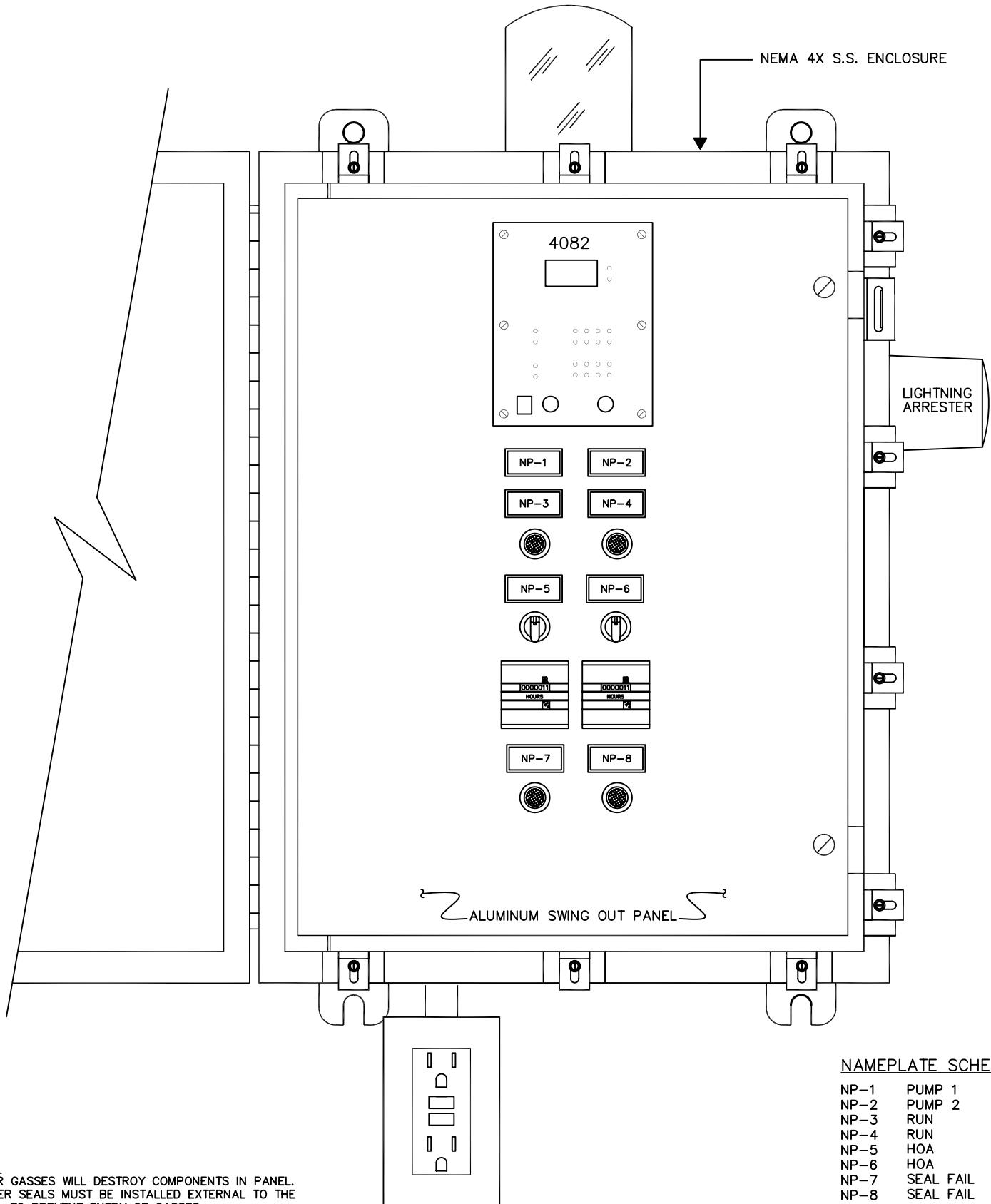
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PURCHASE ORDER NUMBER

DRAWING NUMBER CP-2213
SHEET NUMBER 3

REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY
S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED			
	C.C.	R.C.	BY C. RACHAL	BY	DATE		



NAMEPLATE SCHEDULE

NP-1	PUMP 1
NP-2	PUMP 2
NP-3	RUN
NP-4	RUN
NP-5	HOA
NP-6	HOA
NP-7	SEAL FAIL
NP-8	SEAL FAIL

NOTE:
SEWER GASES WILL DESTROY COMPONENTS IN PANEL.
PROPER SEALS MUST BE INSTALLED EXTERNAL TO THE
PANEL TO PREVENT ENTRY OF GASES.

Drawing Title	ENCLOSURE							
			REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
DATE 11/29/05	S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED			
	C.C.		R.C.	BY C. RACHAL	BY	DATE		
Project Title	<u>COX</u> Research and Technology, Inc.		P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER				
DUPLEX PUMP CONTROL PANEL			Ph. (225)756-3271 Fax (225)755-1030	DRAWING NUMBER CP-2213				
				SHEET NUMBER 4				

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	C&I	I-302410ST4X	ENCLOSURE
1a	1	C&I	CI-3024P	BACKPLATE
1b	1	C&I	CI-3024SP	DEAD FRONT
2	1	ABB	OT63E3	MAIN DISC. SWITCH
3	2	ABB	A26-30-10-81	MOTOR STARTER
4	2	ABB	TA25DU25	O.L. RELAY (18-25A)
5	2	SQUARE D	QOU340	CB1, CB2
6	1	TIMEMARK	261DT24	ALTERNATING RELAY
7	4	ACI	JR22FR	RED PILOT LIGHT
8	2	ACI	JR22P3M20B	HOA SWITCH
9	1	AC/DC	BL5-R-24	ALARM LIGHT
10	1	DELTA	LA603	LIGHTNING ARRESTER
11	2	REDINGTON	711-0182	ELAPSED TIME METER
12	2	ABB	LLC52AA24	SEAL FAIL RELAY
13	1	ABB	T4150PSF-1	TRANSFORMER
14	1	TIMEMARK	4082	LIQUID LEVEL CONTROLLER
15	1	NOSHOK	612	SUBMERSIBLE TRANSDUCER
16	1	NOSHOK	612-FILTER ELEMENT	MOISTURE FILTER
17	1	NOSHOK	612-DESICCANT CARTRIDGE	DESICCANT CARTRIDGE
18	1	SQUARE D	QOU115	CB3
19	1	MARATHON	1323580	DISTRIBUTION BLOCK
20	1	OMRON	H3CRF8300-24VAC	REPEAT CYCLE TIMER
21	1	STOCK		GFI
22	1	SSAC	PLMU-11	PHASE MONITOR
23				
24				
25				

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