
COX

Research and Technology, Inc.

DUPLEX PUMP CONTROL PANEL 15HP

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

VOLTAGE	277/480V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2	
HP	15	
FLA	21	
TYPE OF PUMP	SP	(Self-Priming, Submersible)
MANUFACTURER	GR	
CATALOG NUMBER		
CONTROL VOLTAGE	120V	(120V, Other)
ENCLOSURE	NEMA 4X	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	Fiberglass	(Painted Steel, Stainless Steel, Fiberglass)
CONTROL SENSOR	Floats	(Floats, Bubbler, Other)
CAPACITORS	No	(Yes, No)
CAPACITOR WIRING FIGURE	N/A	
THERM. & SEAL FAIL WIRING FIGURE		

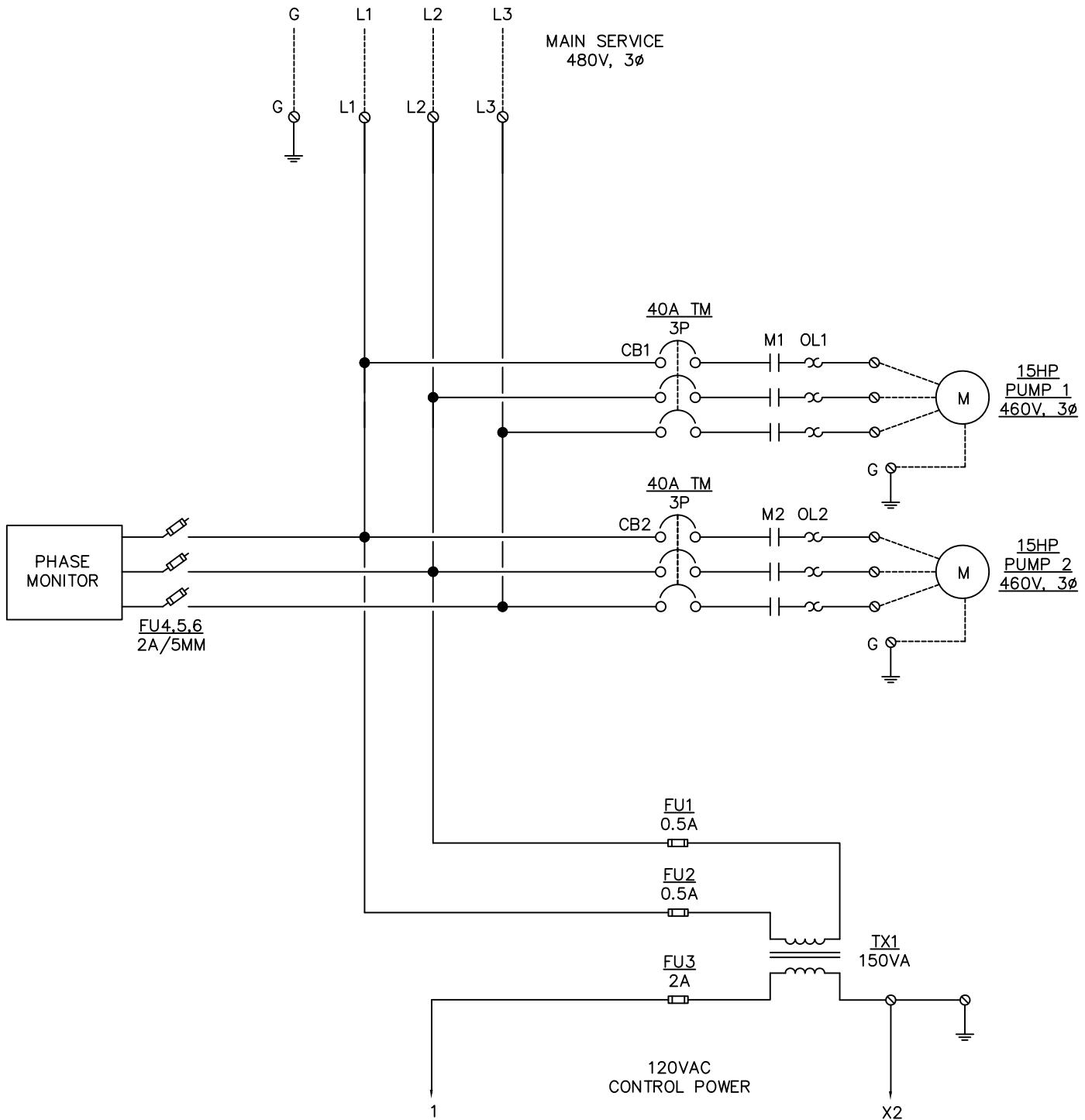
OPTIONS:

SEAL FAIL LIGHTS		(Submersible Only)
SEAL FAIL RELAYS		(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		
ELAPSED TIME METER		
PHASE MONITOR	X	
NEMA RATED STARTERS		
GROUND FAULT RECPT.		
GREEN RUN LIGHTS VS. RED		
POLE, BOX, SEAL		
INTRINSICALLY SAFE RELAYS		
HIGH TEMP. LOCKOUT, MANUAL RESET		
ECONOMY VERSION	X	

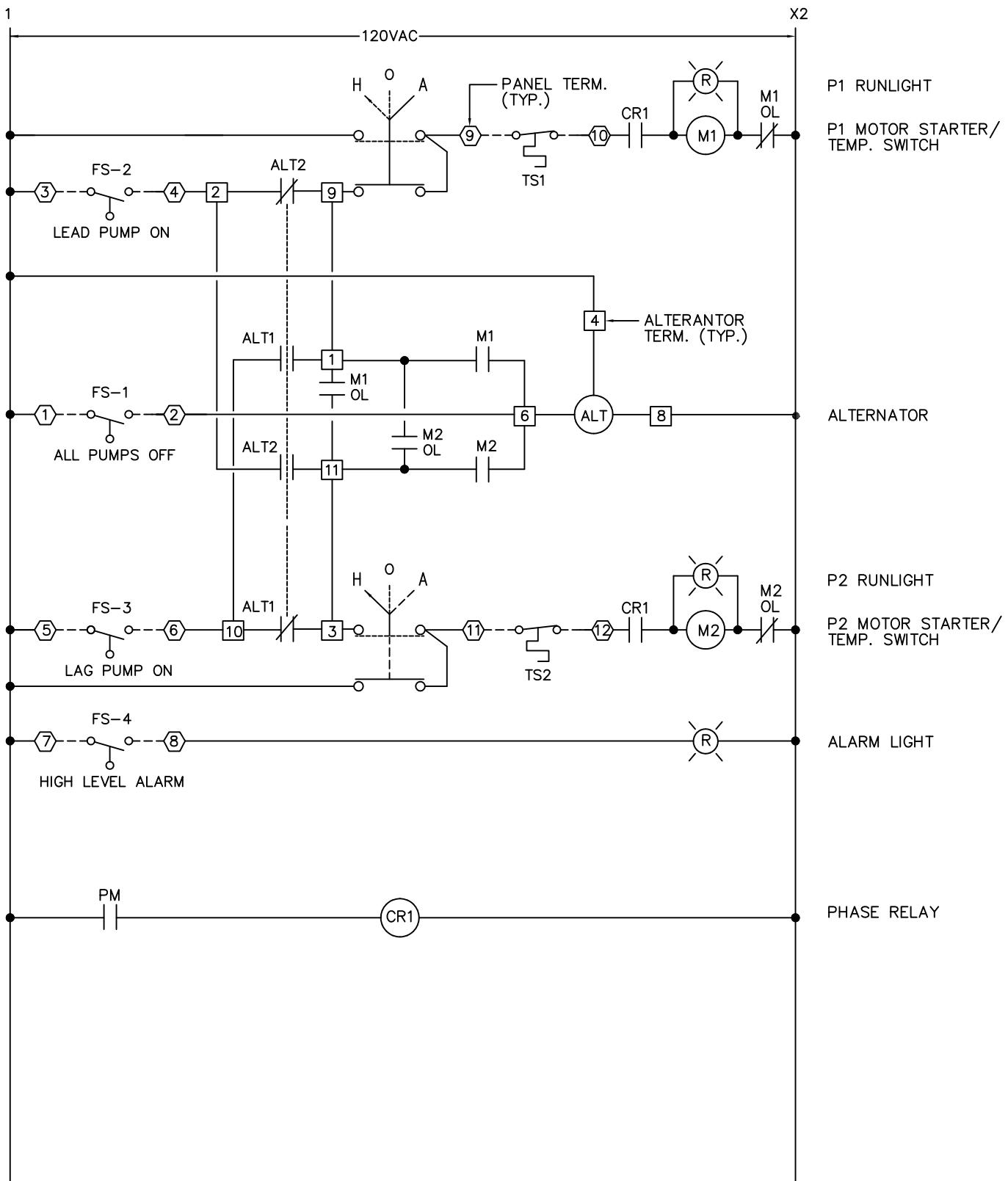
SOLD TO: Delta Process - Bossier City, LA
 TAG : _____

SHIP TO: Delta Process - Denham Springs, LA

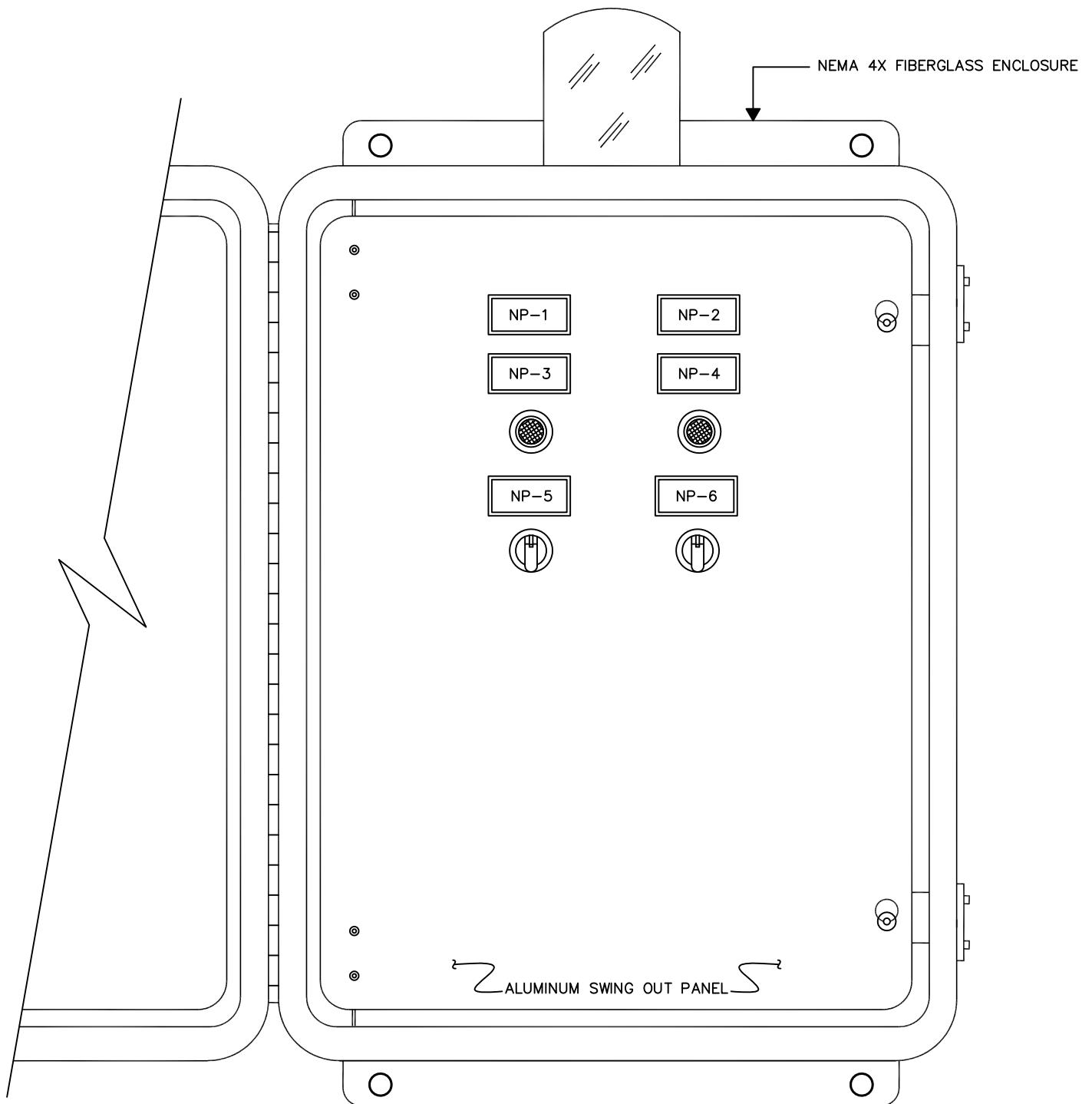
	Drawing Title									
	PANEL DESCRIPTION									
			REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY
DATE 6/24/02	S/N	Sales Engineer	Application Engineer		DRAWN	BY	CTR	BY	APPROVED	DATE
	C.C.		R.C.							
	Project Title	COX Research and Technology, Inc.		P.O. Box 77808 Baton Rouge, LA 70809		Ph. (225)756-3271 Fax (225)756-1030		PURCHASE ORDER NUMBER		
	DUPLEX PUMP CONTROL PANEL							DRAWING NUMBER CP-1421		
								SHEET NUMBER 1		



	Drawing Title POWER DIAGRAM					
DATE 6/24/02	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN	DATE	BY
			DRAWN BY CTR		APPROVED BY	DATE
	Project Title DUPLEX PUMP CONTROL PANEL	COX Research and Technology, Inc.			PURCHASE ORDER NUMBER	
					DRAWING NUMBER	CP-1421
					SHEET NUMBER	2



	Drawing Title							
	CONTROL DIAGRAM							
DATE 6/24/02	REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY
	S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY CTR		APPROVED BY	DATE	
Project Title		COX			PURCHASE ORDER NUMBER			
DUPLEX PUMP CONTROL PANEL		Research and Technology, Inc.			DRAWING NUMBER CP-1421			
					SHEET NUMBER 3			



NAMEPLATE SCHEDULE

NP-1	PUMP 1
NP-2	PUMP 2
NP-3	RUN
NP-4	RUN
NP-5	HOA
NP-6	HOA

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						
DATE 6/24/02	REFERENCE DRAWING S/N	NO. C.C.	REVISION-LOCATION DRAWN BY CTR	ECN	DATE	BY	
	Sales Engineer	Application Engineer R.C.					APPROVED BY DATE
	Project Title	<hr/> COX <hr/> Research and Technology, Inc. <hr/>			P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER	
	DUPLEX PUMP CONTROL PANEL				Ph. (225)756-3271 Fax (225)756-1030	DRAWING NUMBER CP-1421	SHEET NUMBER 4

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	STAHLIN	RJ1816HPLDF	ENCLOSURE
1a	1	STAHLIN	BP1816AL	BACKPLATE
2	2	ABB	A26-30-10-84	MOTOR STARTER
3	2	ABB	TA25DU25	O.L. RELAY (18-25A)
4	2	ABB	S1N040TL	CB1, CB2
5	1	TIMEMARK	261DT120	ALTERNATING RELAY
6	2	ACI	JR22FR	RED PILOT LIGHT
7	2	ACI	JR22P3M20B	HOA SWITCH
8	1	SQUARE D	9070TF150D1	TRANSFORMER
9	1	AC/DC	BL5-R-120	ALARM LIGHT
10	1	SSAC	PLMU-11	PHASE MONITOR
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				

	Drawing Title BILL OF MATERIALS					
DATE 6/24/02	REFERENCE DRAWING S/N	NO. C.C.	REVISION-LOCATION DRAWN BY CTR	ECN	DATE APPROVED BY DATE	BY
	Project Title DUPLEX PUMP CONTROL PANEL	<hr/> <hr/> COX Research and Technology, Inc. <hr/> <hr/>	P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-1421 SHEET NUMBER 5		