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# COX

Research and Technology, Inc.

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DUPLEX PUMP  
CONTROL PANEL  
BARKSDALE AFB

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

VOLTAGE	120/208V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2	
HP	2	
FLA	10.5	
TYPE OF PUMP	Submersible	(Self-Priming, Submersible)
MANUFACTURER	Meyers	
CATALOG NUMBER	WG20F-03-25	
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:

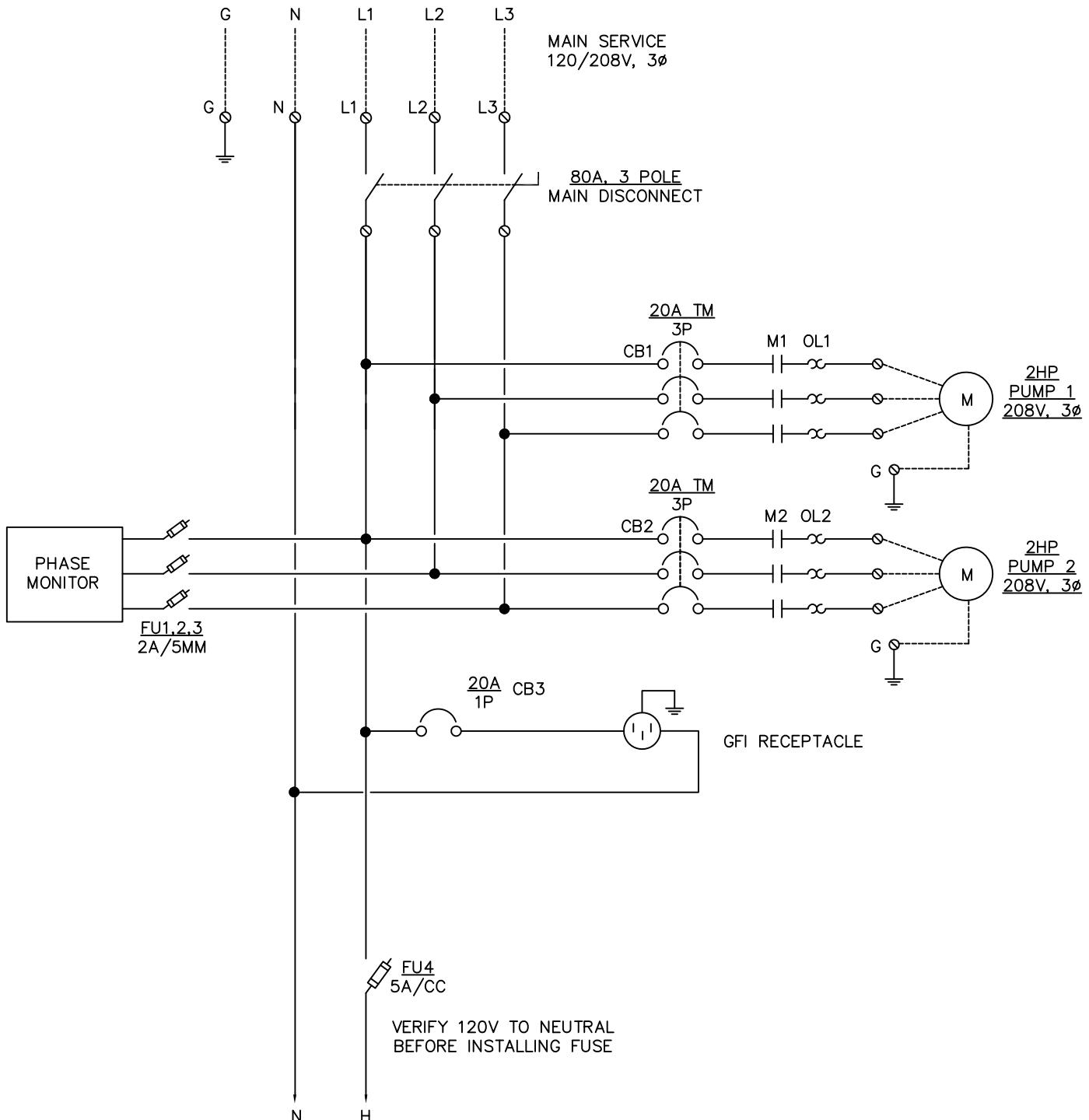
SEAL FAIL LIGHTS	X	(Submersible Only)
SEAL FAIL RELAYS	X	(Submersible Only)
SEAL FAIL PUMP SHUTDOWN		(Submersible Only)
HT PUMP SHUTDOWN	X	(Self-Primer, Submersible)
ALARM HORN		
ALARM LIGHT	X	
LIGHT PANEL MTD	X	
LIGHT REMOTE MTD		
LIGHT FLASHER		
LIGHTNING ARRESTER		
ELAPSED TIME METER	X	
PHASE MONITOR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

SOLD TO: Delta Process - Bossier City, LA  
TAG : Barksdale AFB

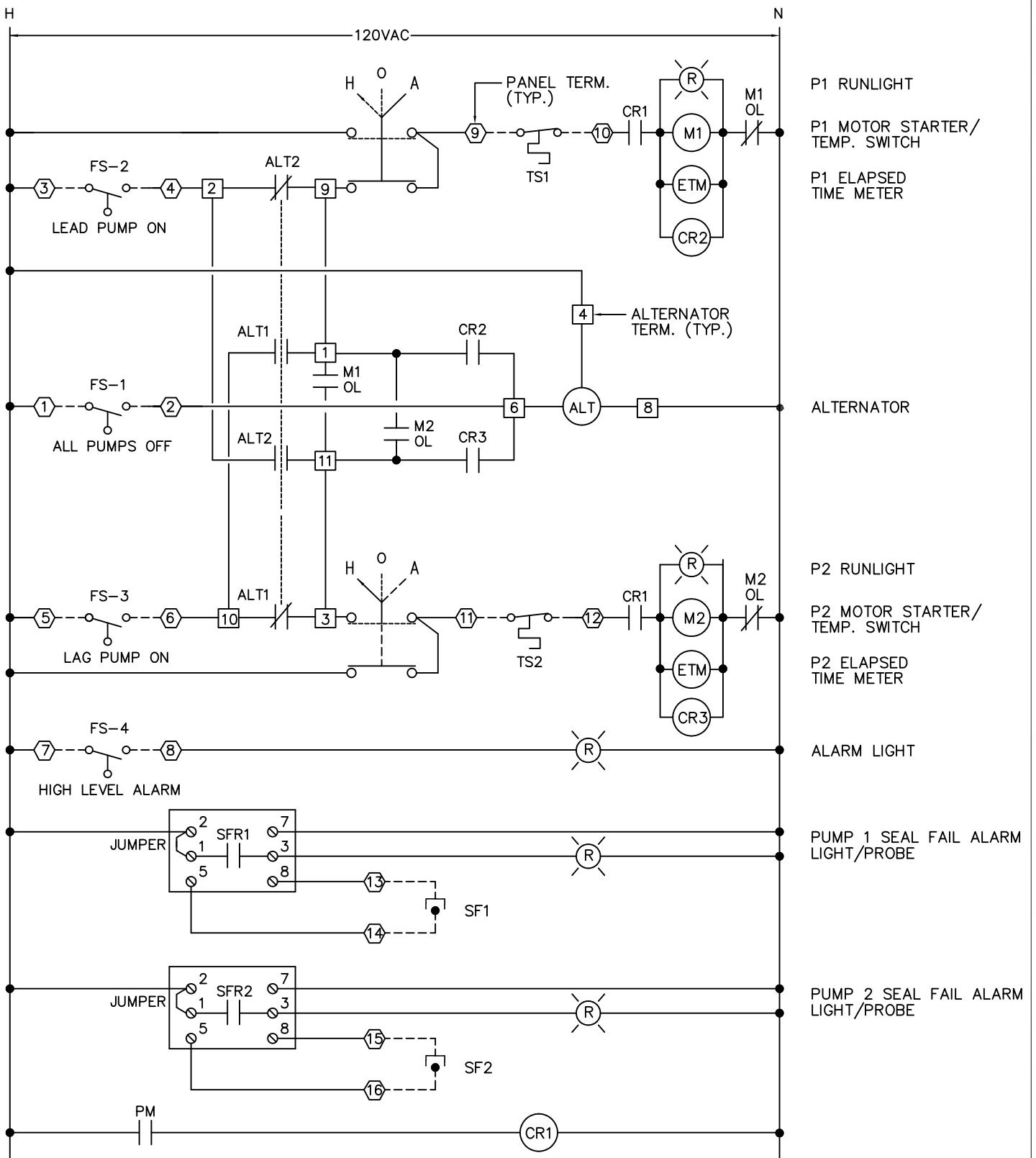
SHIP TO: Delta Process - Bossier City, LA

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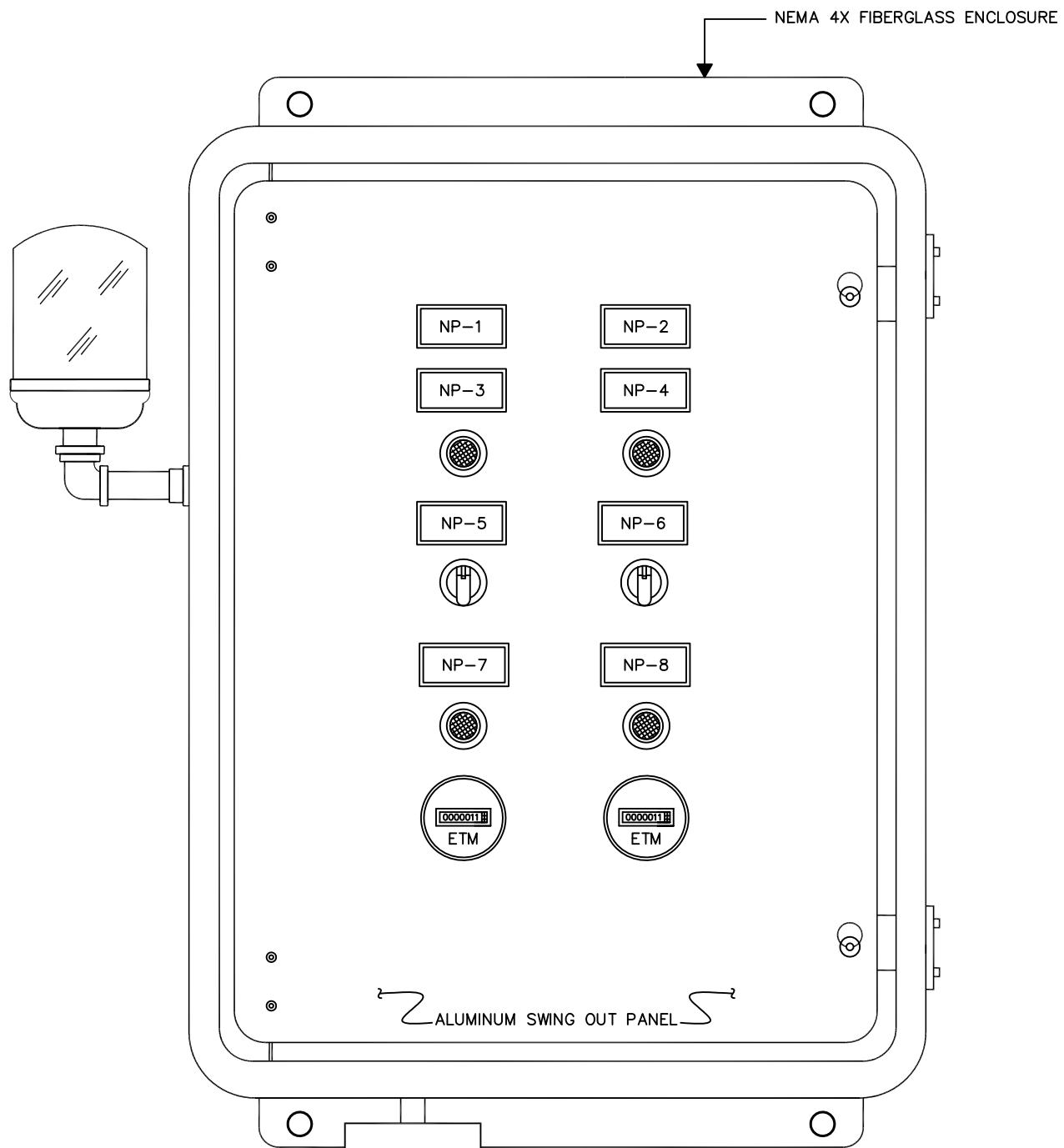
	Drawing Title  <b>PANEL DESCRIPTION</b>  DATE 11/08/02						
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN	APPROVED	
				BY CTR	BY	DATE	
		Project Title  <b>DUPLEX PUMP CONTROL PANEL</b>	<hr/> <hr/> <b>COX</b> Research and Technology, Inc. <hr/> <hr/>		P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER  DRAWING NUMBER CP-1488	



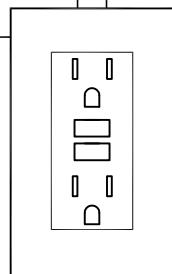
	Drawing Title  <b>POWER DIAGRAM</b>				
DATE 11/08/02	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN BY CTR	ECN	DATE APPROVED BY DATE
Project Title  <b>DUPLEX PUMP CONTROL PANEL</b>	<b>COX</b> Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER		
		Ph. (225)756-3271 Fax (225)756-1030	DRAWING NUMBER CP-1488		
			SHEET NUMBER 2		



	Drawing Title					
	CONTROL DIAGRAM					
DATE 11/08/02	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.		P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER		
			Ph. (225)756-3271 Fax (225)756-1030	DRAWING NUMBER CP-1488		
				SHEET NUMBER 3		



### VIEW OF SWING OUT PANEL



### 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					
DATE 11/08/02	REFERENCE DRAWING S/N	NO. C.C.	REVISION-LOCATION DRAWN BY CTR	ECN	DATE	BY
	Sales Engineer	Application Engineer R.C.			APPROVED	
	Project Title				PURCHASE ORDER NUMBER	
	DUPLEX PUMP CONTROL PANEL	COX Research and Technology, Inc.			DRAWING NUMBER CP-1488	
					SHEET NUMBER	
						4

# BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	ALLIED	AM24200RL	ENCLOSURE
1a	1	ALLIED	PA2420	BACKPLATE
2	1	ABB	OT63E3	MAIN DISC. SWITCH
3	2	SQUARE D	8911DP5013V02(2CG07)	MOTOR STARTER
4	2	SQUARE D	B15.5(1H611)	O.L. RELAY
5	2	SQUARE D	QOU320	CB1, CB2
6	1	TIMEMARK	261DT120	ALTERNATING RELAY
7	4	ACI	JR22FR	RED PILOT LIGHT
8	2	ACI	JR22P3M20B	HOA SWITCH
9	1	STREAMLINE	LP3P-120R	ALARM LIGHT
10	2	SQUARE D	9999S04	O.L. AUX. CONTACTS
11	1	SSAC	PLMU-11	PHASE MONITOR
12	2	GRASSLIN	UWZ52E	ELAPSED TIME METER
13	2	SSAC	LLC54AA	SEAL FAIL RELAY
14	1	MARATHON	6SC30A-1	FUSE HOLDER
15	1	SQUARE D	QOU120	CB3
16				
17				
18				
19				
20				
21				
22				
23				
24				

	Drawing Title								
	BILL OF MATERIALS								
			REFERENCE DRAWING	NO.	REVISION-LOCATION		ECN	DATE	BY
DATE 11/08/02			S/N	Sales Engineer	Application Engineer	DRAWN		APPROVED	
				C.C.	R.C.	BY CTR	BY	DATE	
	Project Title		COX		P.O. Box 77808 Baton Rouge, LA 70809  Ph. (225)756-3271 Fax (225)756-1030		PURCHASE ORDER NUMBER		
	DUPLEX PUMP CONTROL PANEL		Research and Technology, Inc.				DRAWING NUMBER		
							CP-1488		
					SHEET NUMBER		5		