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# COX

Research and Technology, Inc.

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## DUPLEX PUMP CONTROL PANEL RIVER BLUFF SUBDIVISION

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	10	
FLA	26	
TYPE OF PUMP	Self Priming	(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		

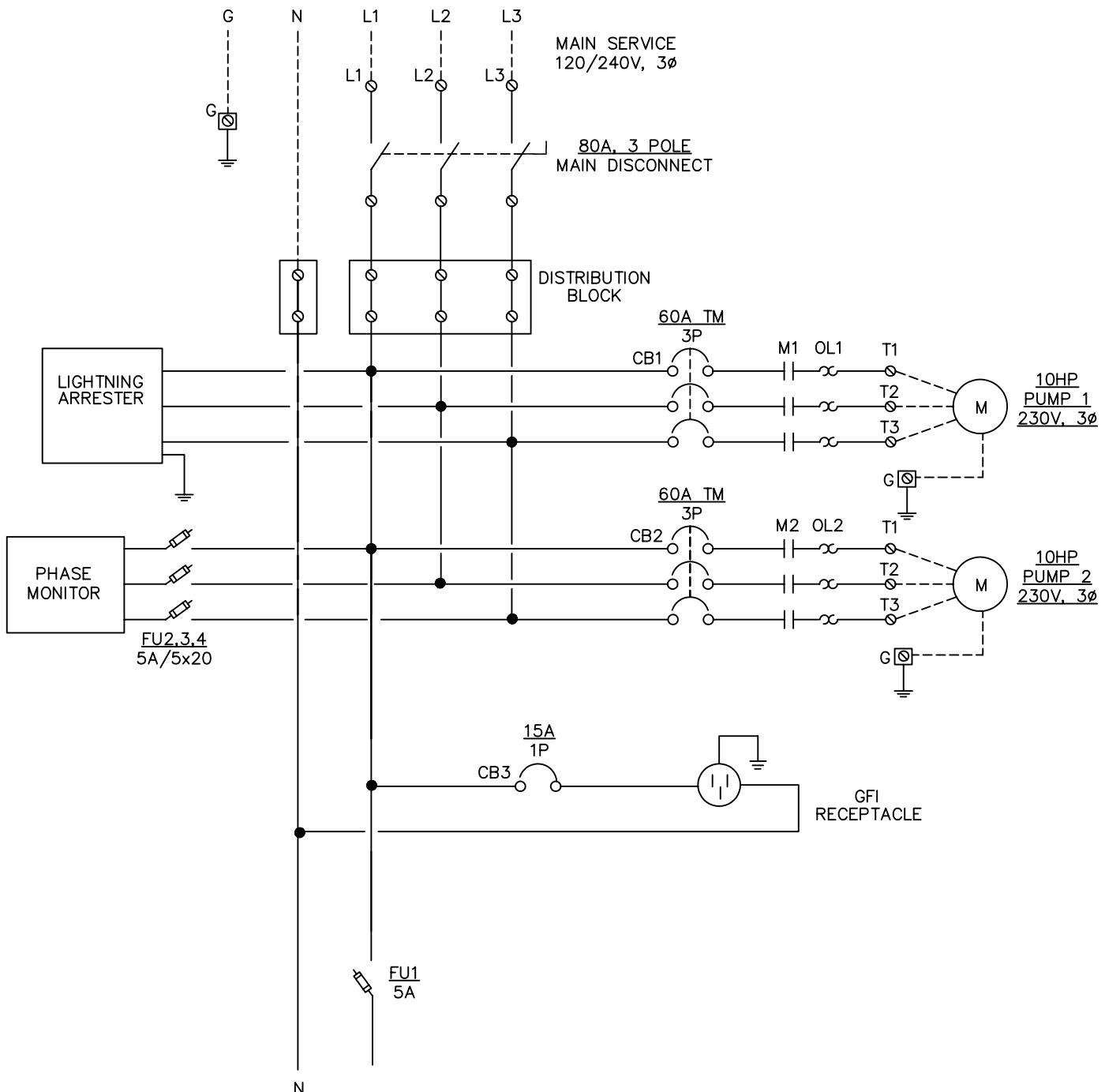
OPTIONS:

SEAL FAIL LIGHTS	_____	(Submersible Only)
SEAL FAIL RELAYS	_____	(Submersible Only)
SEAL FAIL PUMP SHUTDOWN	X	(Submersible Only)
HT PUMP SHUTDOWN	X	(Self-Primer, Submersible)
ALARM HORN	_____	
ALARM LIGHT	X	
LIGHT PANEL MTD	X	
LIGHT REMOTE MTD	_____	
LIGHT FLASHER	X	
LIGHTNING ARRESTER	X	
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	_____	
HEATER	_____	

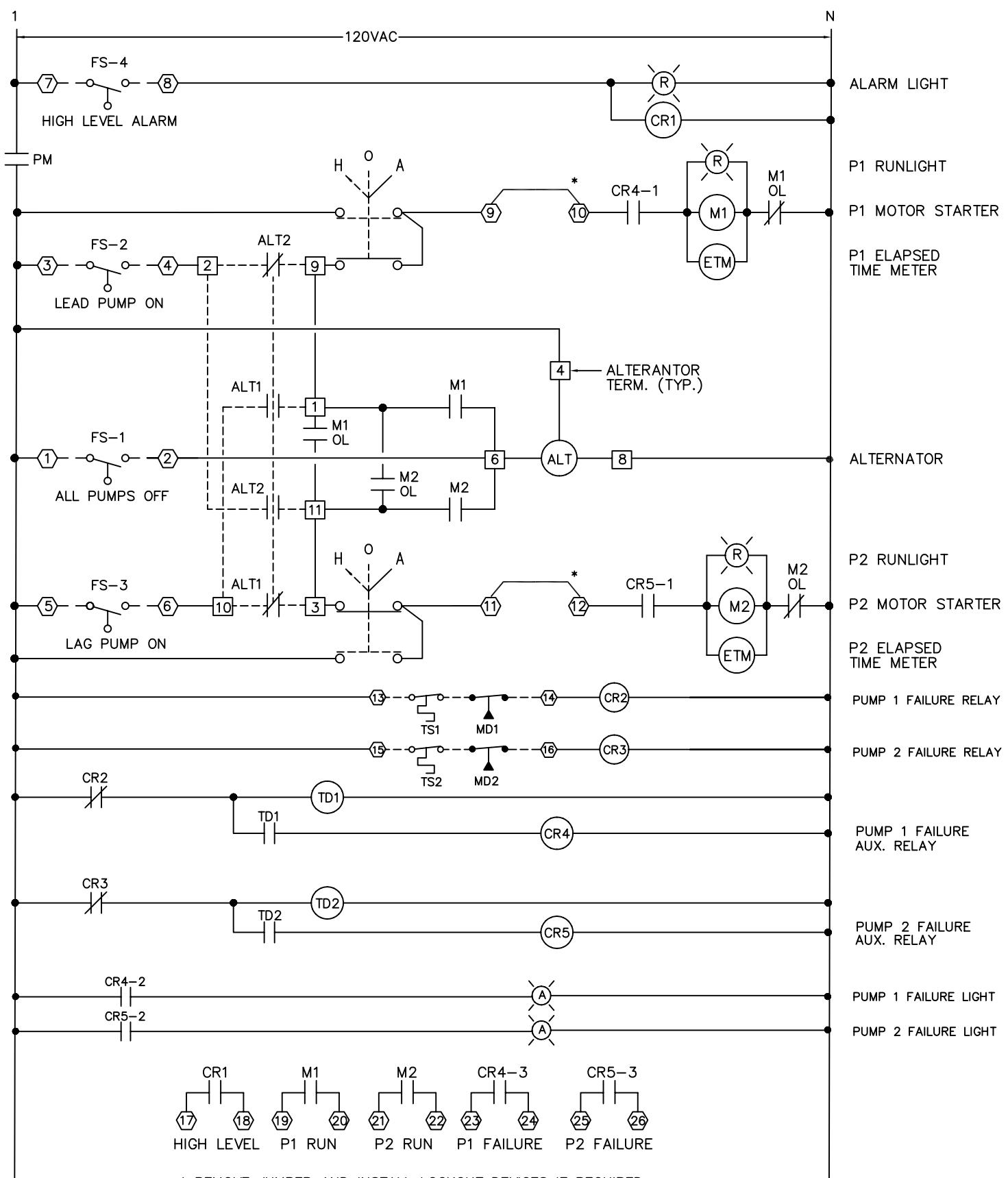
SOLD TO: Delta Process - Bossier City, LA  
TAG : River Bluff Subdivision

SHIP TO: Delta Process - Ruston, LA

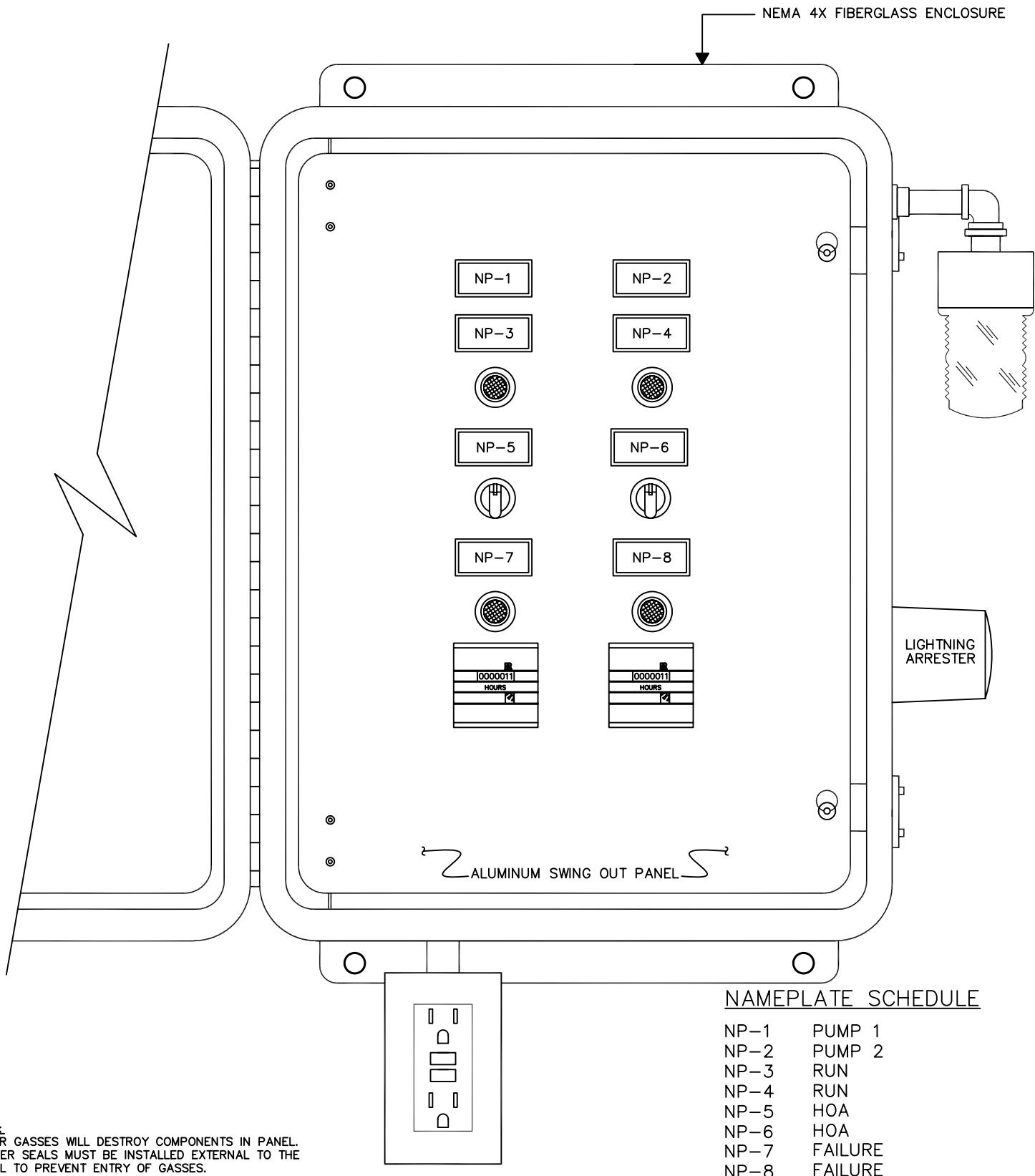
Drawing Title								
PANEL DESCRIPTION								
	REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY
	S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED			
		C.C.	R.C.	BY C. RACHAL	BY	DATE		
Project Title							PURCHASE ORDER NUMBER	
							DRAWING NUMBER	
							CP-2190	
DUPLEX PUMP CONTROL PANEL							SHEET NUMBER	
							1	



	Drawing Title					
	POWER DIAGRAM					
DATE 10/24/05	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 CONTROL PANEL	COX Research and Technology, Inc.			P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-2190 SHEET NUMBER 2	



	Drawing Title  CONTROL DIAGRAM					
		REFERENCE DRAWING		NO.	REVISION-LOCATION	ECN
DATE 10/24/05	S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL	APPROVED BY	DATE
Project Title  CONTROL PANEL	<hr/> <hr/> <b>COX</b> <hr/> <hr/> Research and Technology, Inc. <hr/> <hr/>			P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER
				Ph. (225)756-3271 Fax (225)756-1030		DRAWING NUMBER CP-2190
			SHEET NUMBER 3			



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

## NAMEPLATE SCHEDULE

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

	Drawing Title  ENCLOSURE  DATE 10/24/05						
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN		APPROVED		
			BY C. RACHAL	BY	DATE		
	Project Title  CONTROL PANEL	<hr/> <hr/> <b>COX</b> <hr/> <hr/> 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-2190		
				SHEET NUMBER	4		

# BILL OF MATERIAL

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	STAHLIN	RJ1816HPLDF	ENCLOSURE
1a	1	STAHLIN	BP1816AL	BACKPLATE
2	2	CUTLER HAMMER	CE15FNS3AB	MOTOR STARTER
3	2	CUTLER HAMMER	C316FNA3T	O.L. RELAY (24–32A)
4	2	SQUARE D	QOU360	CB1, CB2
5	1	TIMEMARK	261DT120	ALTERNATING RELAY
6	2	ACI	JR22P3M20B	HOA SWITCH
7	2	ACI	JR22FR	RED LIGHT
8	1	TOMAR	490S-120-R	ALARM LIGHT
9	2	REDINGTON	711-0190	ETM
10	1	MARATHON	1323580	DISTRIBUTION BLOCK
11	1	MARATHON	1321580	NEUTRAL BLOCK
12	1	DELTA	LA603	LIGHTNING ARRESTER
13	1	ABB	OT63E3	DISCONNECT SWITCH
14	1	SQUARE D	QOU115	CB3
15	1	SSAC	PLMU-11	PHASE MONITOR
16	1	STOCK		GFI
17	5	IDECA	RY4UAC120	CR1-5
18	2	ABB	CAL5-11	AUXILIARY CONTACTS
19	2	OMRON	H3YN2AC120	TIME DELAY
20	2	ACI	JR22FY	AMBER PILOT LIGHT

	Drawing Title  BILL OF MATERIALS						
DATE 10/24/05	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		
Project Title  CONTROL PANEL	COX				P.O. Box 77808 Baton Rouge, LA 70809  Ph. (225)756-3271 Fax (225)756-1030		
				PURCHASE ORDER NUMBER			
				DRAWING NUMBER			
				CP-2190			
				SHEET NUMBER			
				5			