
COX

Research and Technology, Inc.

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

CP-2190

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		

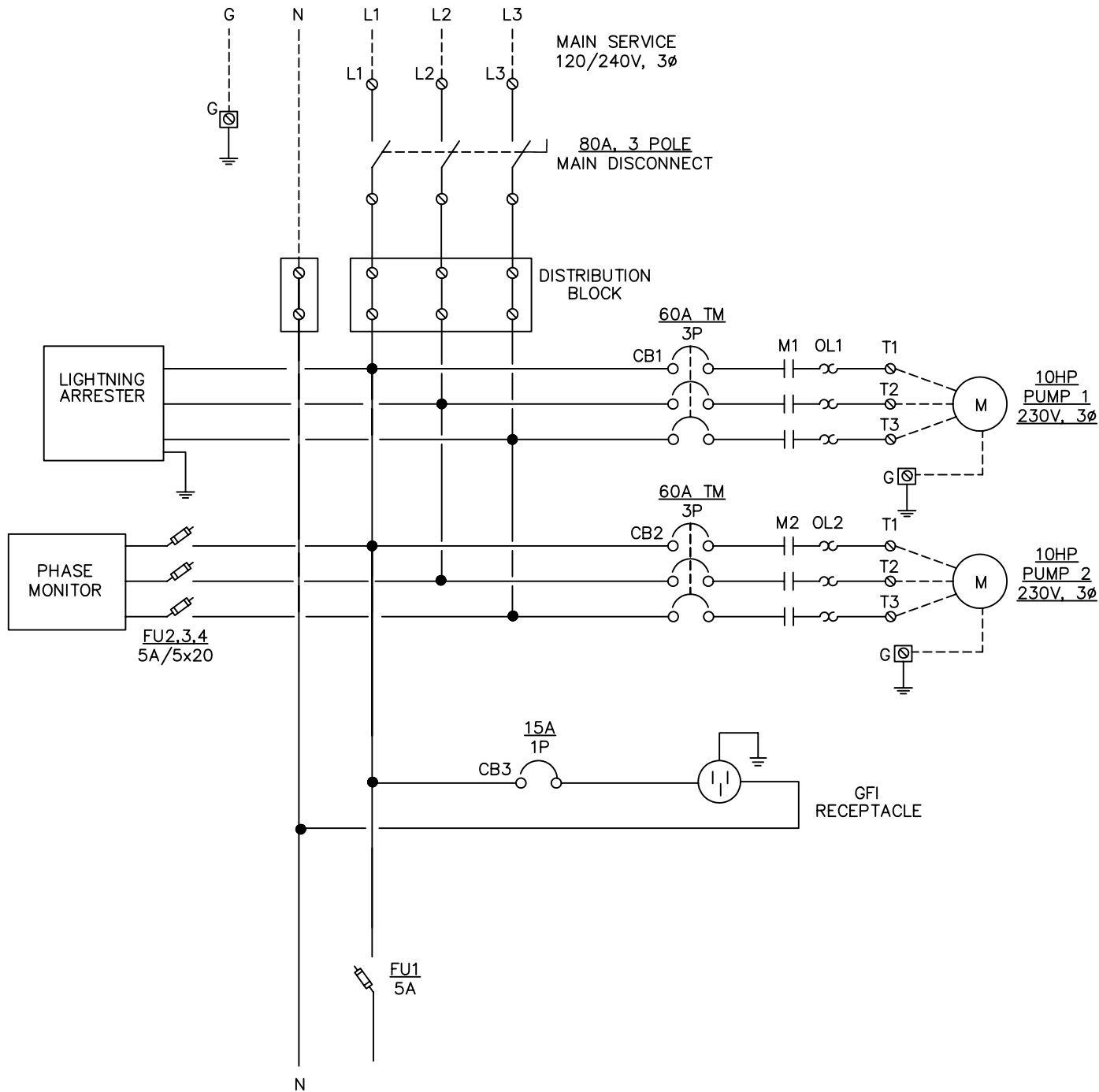
OPTIONS:

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		

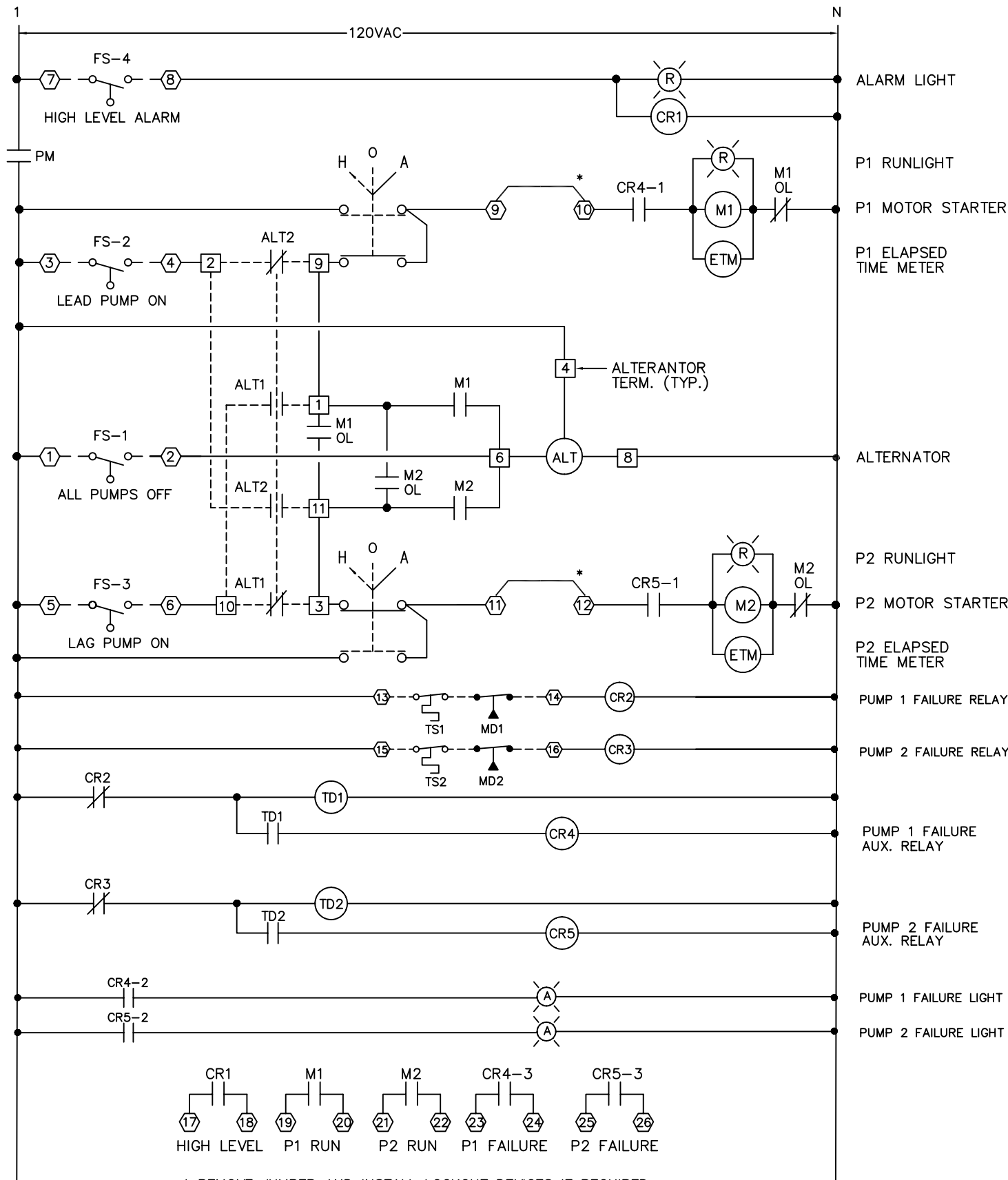
SOLD TO: Delta Process - Bossier City, LA
TAG : River Bluff Subdivision

SHIP TO: Delta Process - Ruston, LA

	Drawing Title						
	PANEL DESCRIPTION						
DATE 10/24/05		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE
	Project Title	<div>COX</div> <div>Research and Technology, Inc.</div>			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-2190
							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.	DRAWN BY C. RACHAL	ECN	DATE	BY
	Project Title	<div>COX</div> <div>Research and Technology, Inc.</div>			P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER		
	CONTROL PANEL				Ph. (225)756-3271 Fax (225)756-1030	DRAWING NUMBER CP-2190		
						SHEET NUMBER 2		



* REMOVE JUMPER AND INSTALL LOCKOUT DEVICES IF REQUIRED

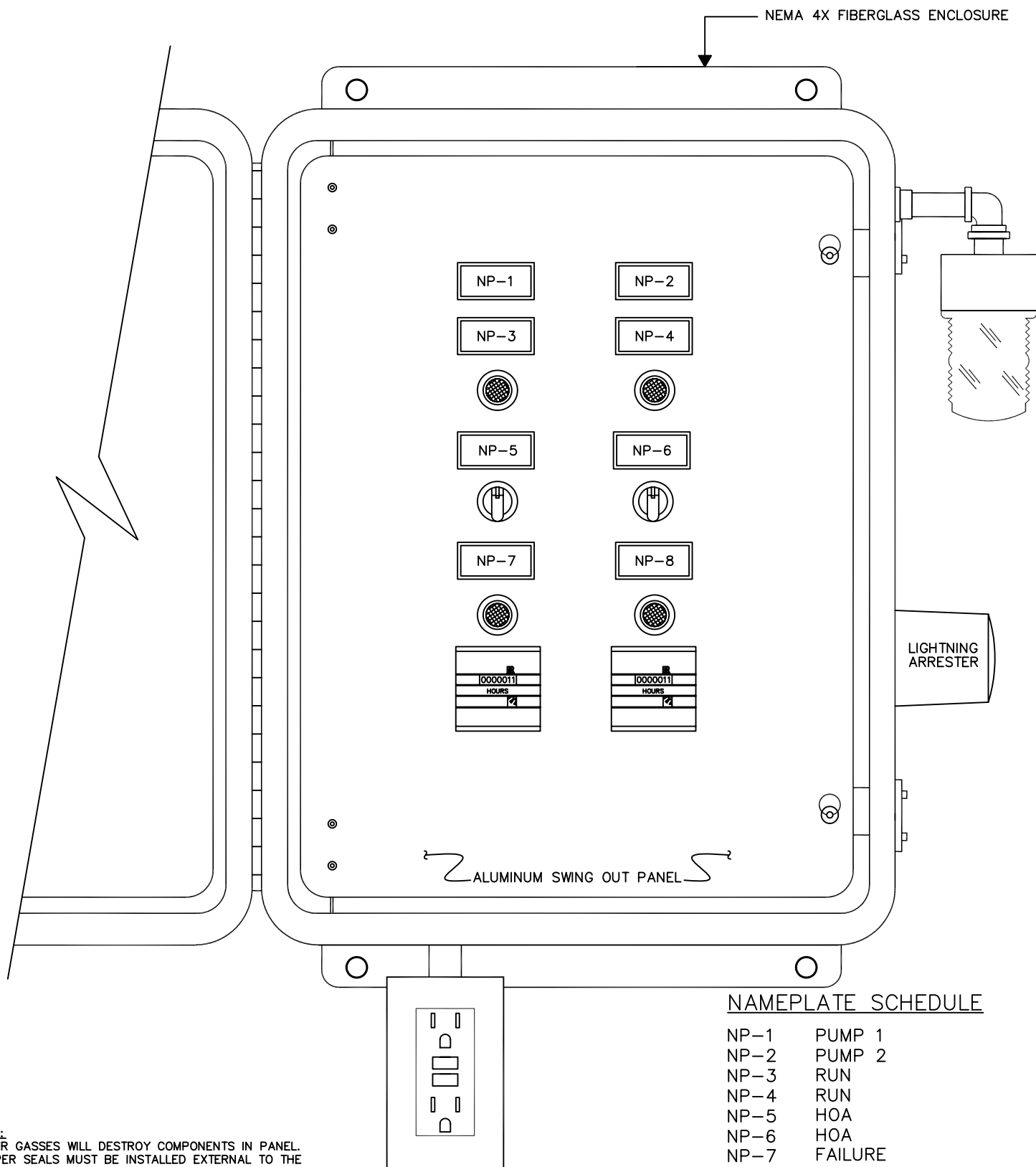
Drawing Title									
CONTROL DIAGRAM									
DATE		REFERENCE DRAWING		NO.		REVISION-LOCATION		ECN	
10/24/05		S/N		Sales Engineer		Application Engineer		DATE	
Project Title		C.C.		R.C.		BY C. RACHAL		APPROVED	
CONTROL PANEL								PURCHASE ORDER NUMBER	
								DRAWING NUMBER	
								CP-2190	
								SHEET NUMBER	
								3	

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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 BY C. RACHAL		BY	APPROVED DATE	
	Project Title		<div>COX</div> <div>Research and Technology, Inc.</div>			P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030		PURCHASE ORDER NUMBER		
	CONTROL PANEL							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	IDEC	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 S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN	DATE	BY
	Project Title	<div style="border-top: 3px double black; border-bottom: 3px double black; padding: 5px;"> COX Research and Technology, Inc. </div>			P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030		APPROVED BY C. RACHAL DATE
	CONTROL PANEL				PURCHASE ORDER NUMBER DRAWING NUMBER CP-2190 SHEET NUMBER 5		