
COX

Research and Technology, Inc.

DUPLEX PUMP
CONTROL PANEL
AIRPORT ROAD

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	7 1/2	
FLA	24.1	
TYPE OF PUMP	Submersible	(Self-Priming, Submersible)
MANUFACTURER	Wemco	
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	X	(Submersible Only)
SEAL FAIL RELAYS	X	(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		
LIGHTNING ARRESTER	X	
ELAPSED TIME METER		
PHASE MONITOR	X	
NEMA RATED STARTERS		
GROUND FAULT RECPT.		
GREEN RUN LIGHTS VS. RED		
POLE, BOX, SEAL	BOX, SEAL	
INTRINSICALLY SAFE RELAYS		
HIGH TEMP. LOCKOUT, MANUAL RESET		
ECONOMY VERSION		

SOLD TO: Delta Process - Denham Springs, LA
TAG : Airport Road

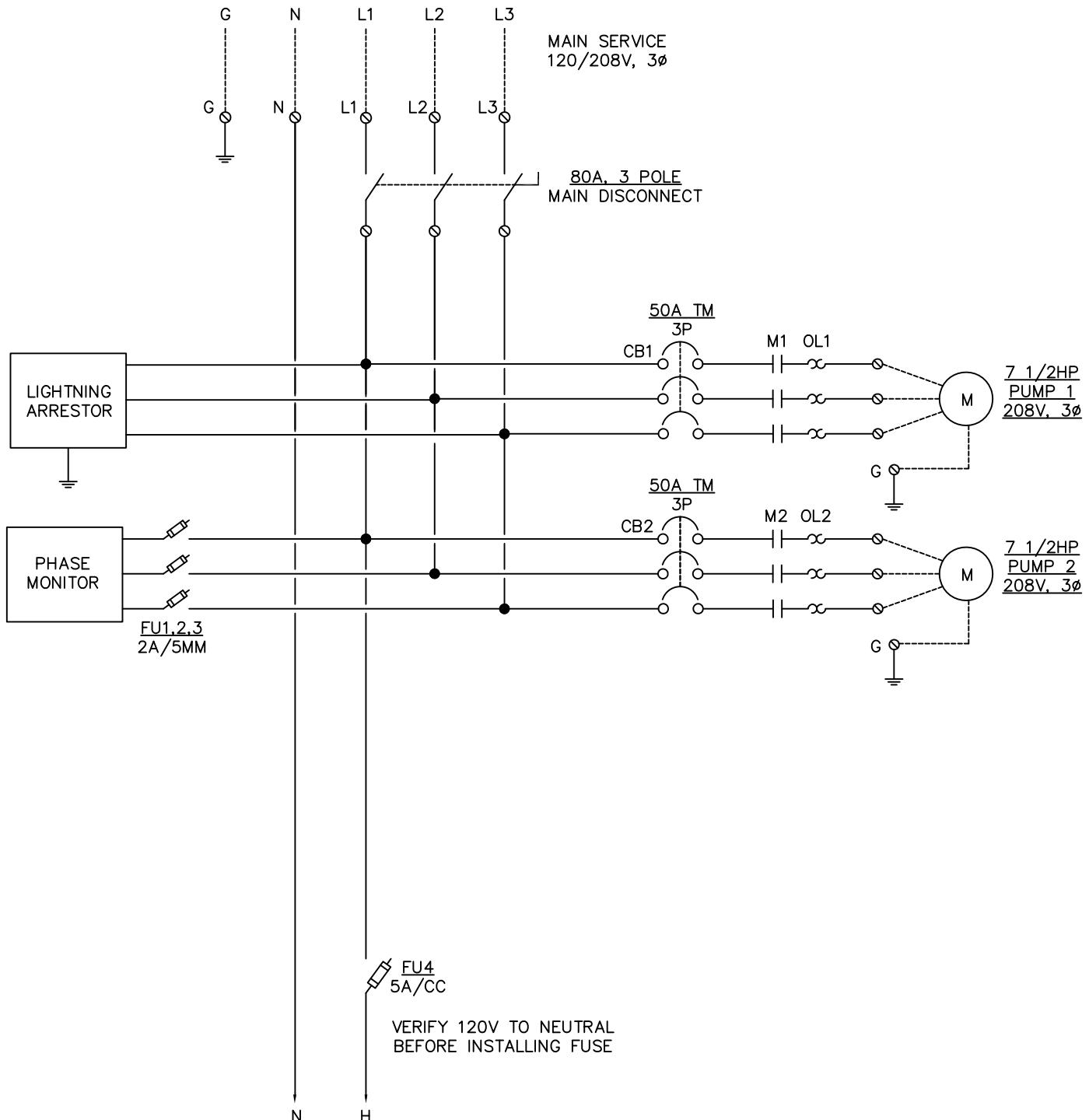
SHIP TO: Delta Process - Denham Springs, LA

Drawing Title	PANEL DESCRIPTION	REFERENCE DRAWING		NO. R.C.	REVISION-LOCATION		ECN	DATE BY
		S/N	Sales Engineer C.C.		Application Engineer R.C.	DRAWN BY CTR		
DATE 11/18/02	Project Title DUPLEX PUMP CONTROL PANEL							

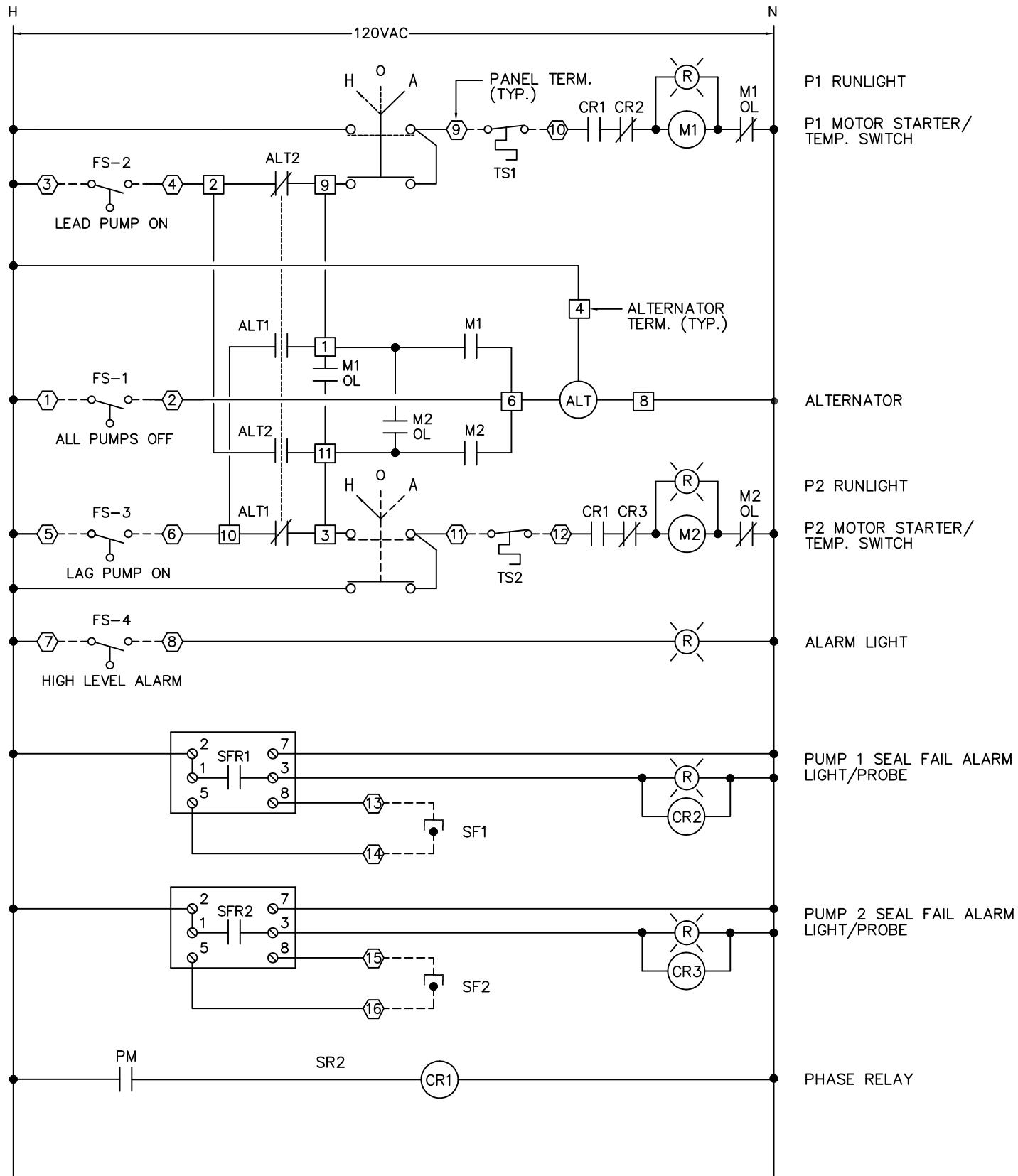
COX
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70809
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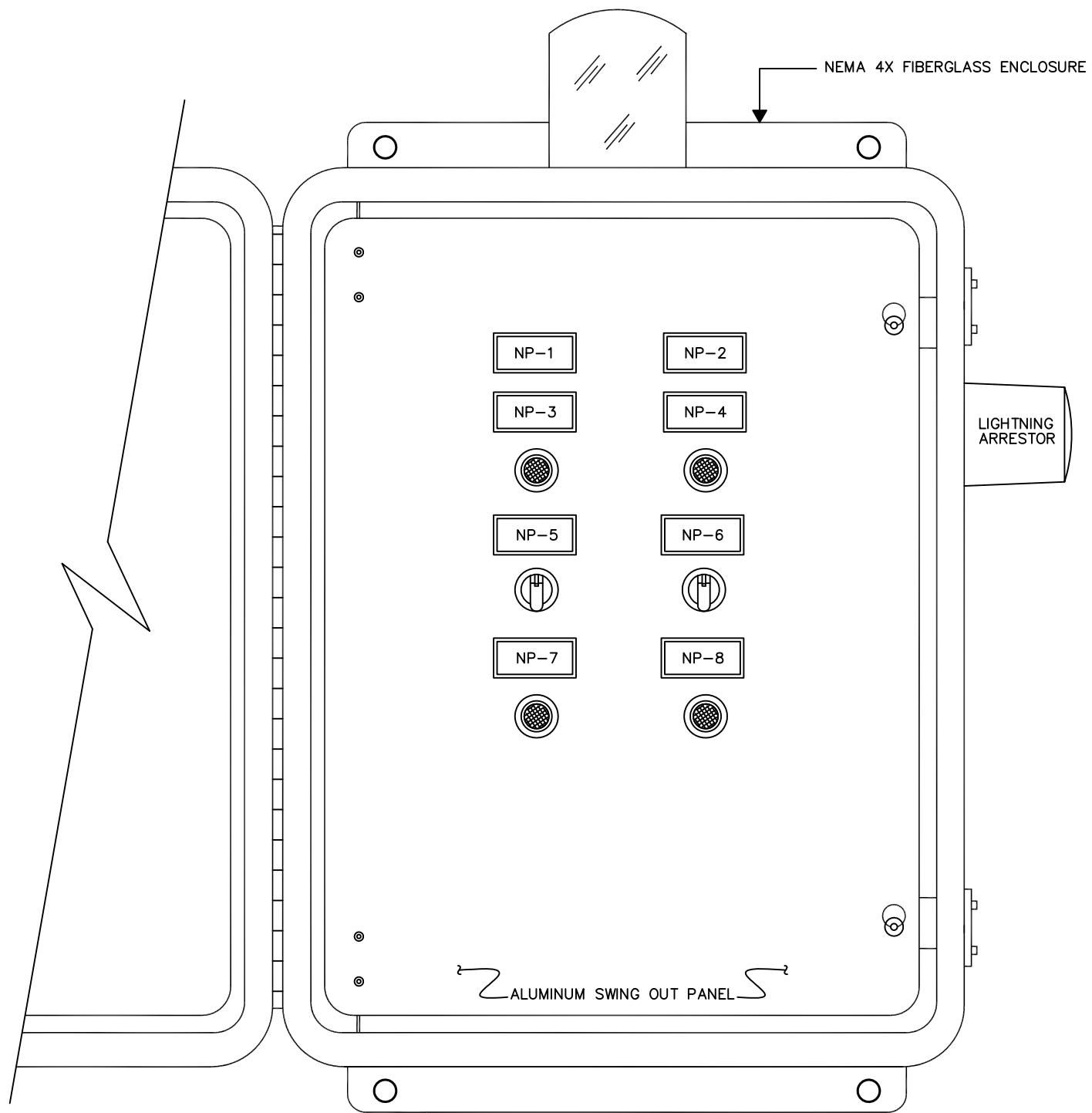
PURCHASE ORDER NUMBER
DRAWING NUMBER CP-1491
SHEET NUMBER 1



	Drawing Title						
	POWER DIAGRAM						
DATE 11/18/02	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN	DATE	BY	
			DRAWN BY CTR		APPROVED BY	DATE BY	
Project Title							PURCHASE ORDER NUMBER
DUPLEX PUMP CONTROL PANEL	COX Research and Technology, Inc.						DRAWING NUMBER CP-1491
							SHEET NUMBER 2



	Drawing Title CONTROL DIAGRAM					
		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY CTR	DATE APPROVED BY DATE
DATE 11/18/02						
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)756-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-1491 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 GASSES WILL DESTROY COMPONENTS IN PANEL.
PROPER SEALS MUST BE INSTALLED EXTERNAL TO THE
PANEL TO PREVENT ENTRY OF GASSES.

	Drawing Title					
	ENCLOSURE					
DATE 11/18/02	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/> <hr/> COX <hr/> <hr/> Research and Technology, Inc. <hr/> <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-1491	
					SHEET NUMBER 4	

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	STAHLIN	RJ1816HPLDF	ENCLOSURE
1a	1	STAHLIN	BP1816AL	BACKPLATE
2	1	ABB	OT63E3	MAIN DISC. SWITCH
3	2	ABB	A26-30-10-84	MOTOR STARTER
4	2	ABB	TA25DU25	O.L. RELAY (18-25A)
5	2	SQUARE D	QOU350	CB1, CB2
6	1	TIMEMARK	261DT120	ALTERNATING RELAY
7	4	ACI	JR22FR	RED PILOT LIGHT
8	2	ACI	JR22P3M20B	HOA SWITCH
9	1	SSAC	PLMU-11	PHASE MONITOR
10	1	CH	CHSA03	LIGHTNING ARRESTER
11	2	SSAC	LLC54AA	SF RELAY
12	1	STOCK		J. BOX AND SEAL OFF
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				

	Drawing Title						
	BILL OF MATERIALS						
DATE 11/18/02	REFERENCE DRAWING S/N	NO. C.C.	REVISION-LOCATION DRAWN BY CTR	ECN	DATE APPROVED BY DATE		
	Sales Engineer	Application Engineer R.C.					
	Project Title		COX Research and Technology, Inc.	PURCHASE ORDER NUMBER P.O. Box 77808 Baton Rouge, LA 70809			
	DUPLEX PUMP CONTROL PANEL				DRAWING NUMBER CP-1491		
					SHEET NUMBER 5		