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# COX

Research and Technology, Inc.

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HALL SUMMIT  
DUPLEX PUMP  
CONTROL PANEL  
2HP

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

CP1691

VOLTAGE	120/240V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	1/60	
NO. MOTORS	2	
HP	2	
FLA	12	
TYPE OF PUMP	Submersible	(Self-Priming, Submersible)
MANUFACTURER	Meyers	
CATALOG NUMBER	WGL 20-21	

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	Yes	(Yes, No)
CAPACITOR WIRING FIGURE	M	
THERM. & SEAL FAIL WIRING FIGURE	1, 6, 8	

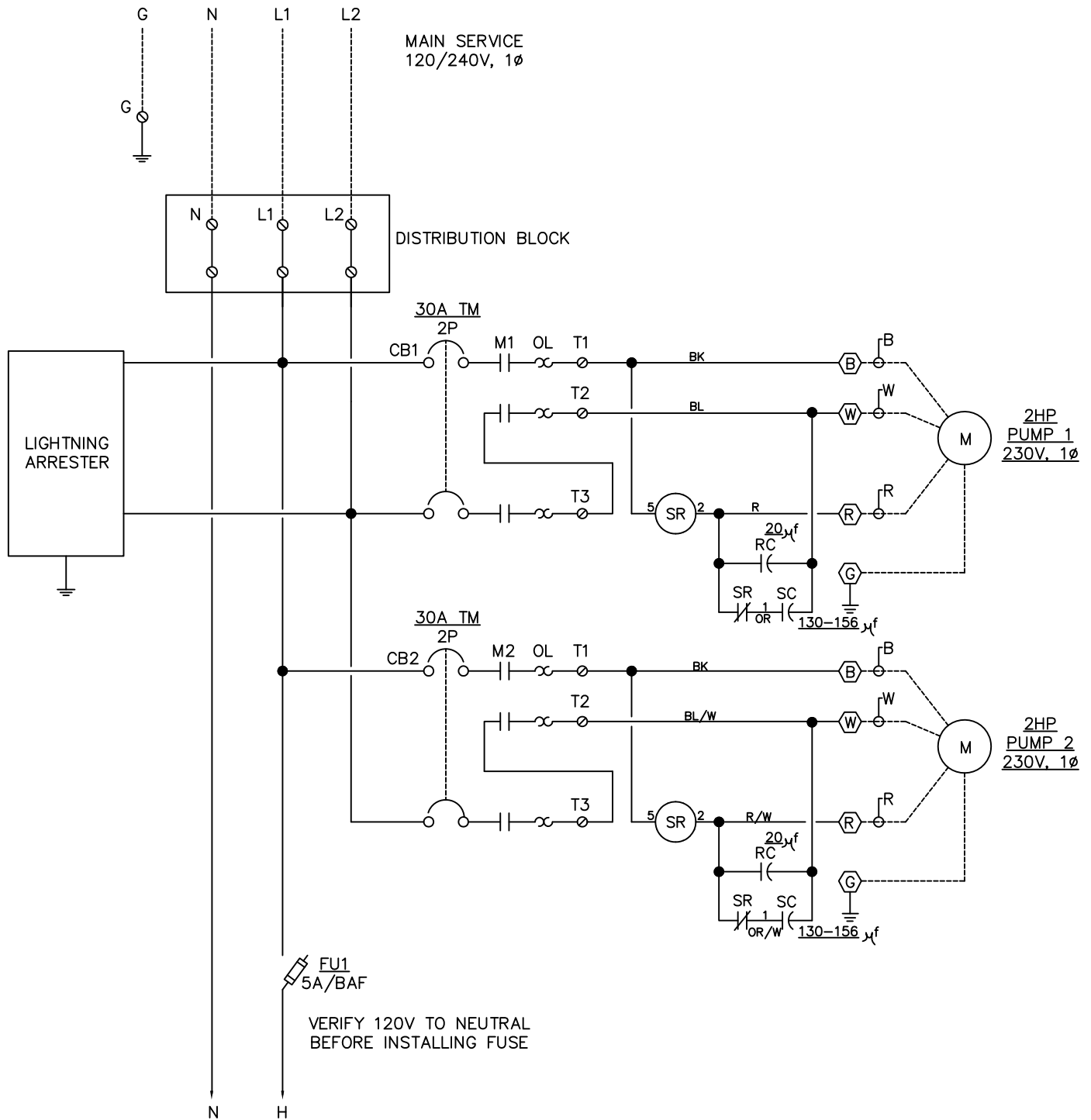
OPTIONS:

SEAL FAIL LIGHTS	X	(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	X	
ELAPSED TIME METER	X	
PHASE MONITOR		
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 : HALL SUMMIT

SHIP TO: Delta Process - Shreveport, LA

	Drawing Title						
	PANEL DESCRIPTION						
DATE 10/30/03		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	APPROVED BY	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  DRAWING NUMBER CP-1691 SHEET NUMBER 1
	DUPLEX PUMP CONTROL PANEL						



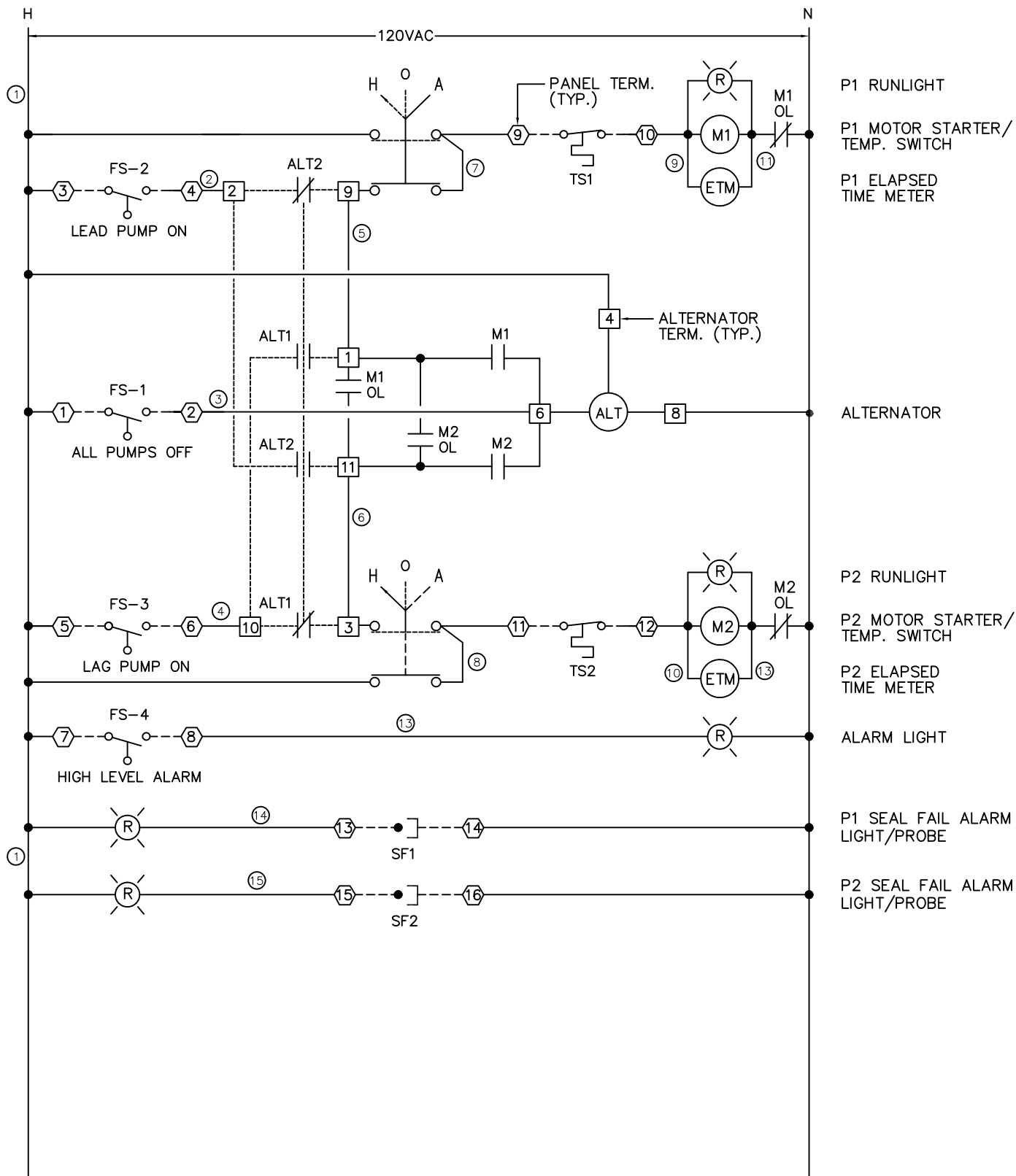
	Drawing Title								
	POWER DIAGRAM								
DATE 10/30/03		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY		
	Project Title	S/N	Sales Engineer C.C.	Application Engineer R.C.	BY C. RACHAL	APPROVED			
	DUPLEX PUMP CONTROL PANEL							PURCHASE ORDER NUMBER	
								DRAWING NUMBER CP-1691	
								SHEET NUMBER	2

**COX**

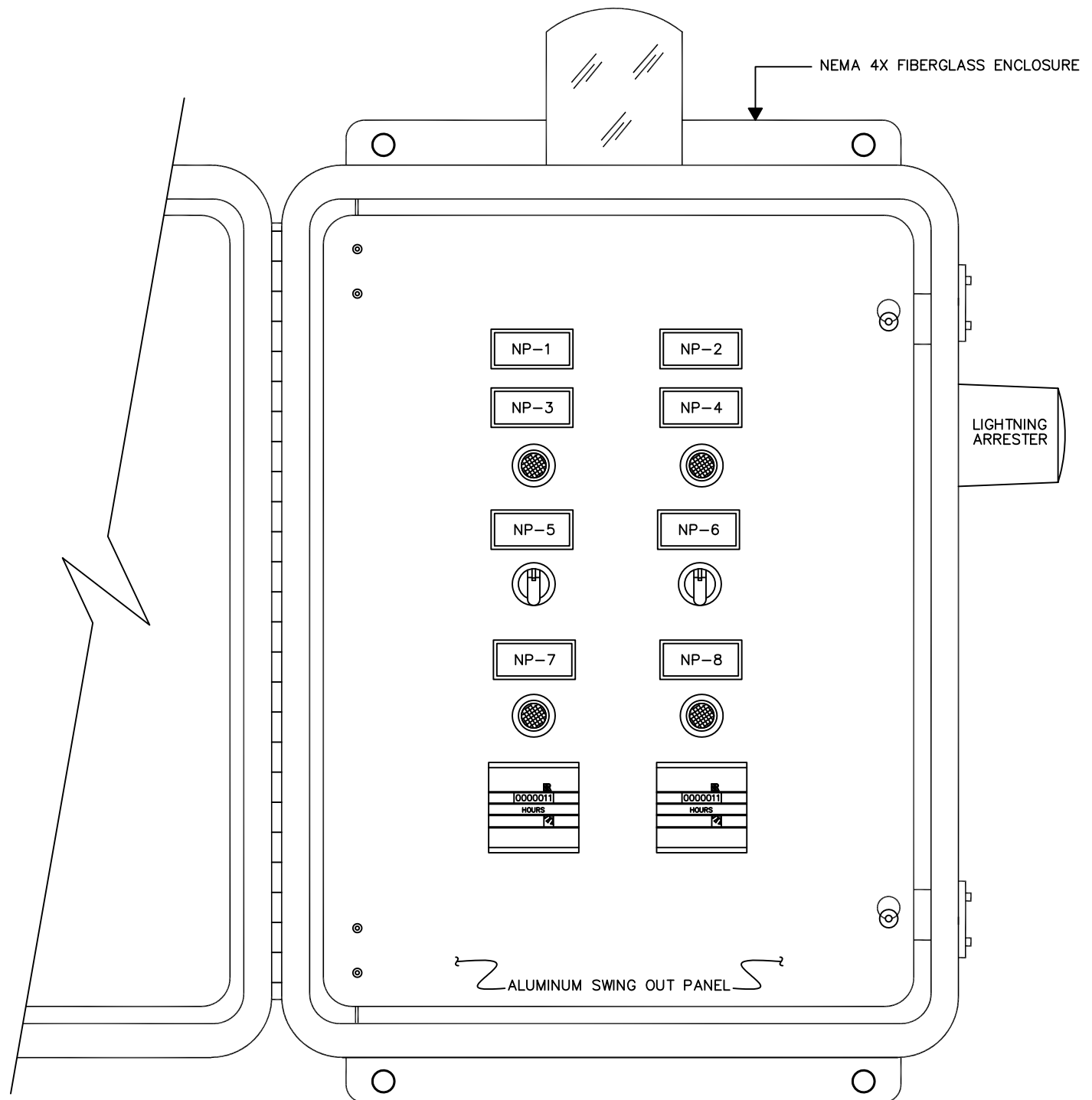
Research and Technology, Inc.

P.O. Box 77808  
Baton Rouge, LA  
70809

Ph. (225)756-3271  
Fax (225)756-1030



Drawing Title							
CONTROL DIAGRAM							
DATE 10/30/03	REFERENCE DRAWING		NO.		REVISION-LOCATION		ECN
	S/N		Sales Engineer C.C.		Application Engineer R.C.		DATE
Project Title		BY C. RACHAL		APPROVED		BY	
DUPLIX PUMP CONTROL PANEL		P.O. Box 77808 Baton Rouge, LA 70809		Ph. (225)756-3271 Fax (225)756-1030		PURCHASE ORDER NUMBER	
		COX				DRAWING NUMBER CP-1691	
		Research and Technology, Inc.				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 10/30/03			REFERENCE DRAWING S/N		NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.		ECN BY C. RACHAL	DATE BY
	Project Title   DUPLEX PUMP CONTROL PANEL		<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  DRAWING NUMBER CP-1691  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	A16-30-10-84	MOTOR STARTER
3	2	ABB	TA25DU14	O.L. RELAY (10-14A)
4	2	SQUARE D	QOU230	CB1, CB2
5	1	TIMEMARK	261DT120	ALTERNATING RELAY
6	4	ACI	JR22FR	RED PILOT LIGHT
7	2	ACI	JR22P3M20B	HOA SWITCH
8	1	AC/DC	BL5-R-120	ALARM LIGHT
9	1	DELTA	LA302	LIGHTNING ARRESTER
10	2	REDINGTON	711-0190	ELAPSED TIME METER
11	2	NG	4CU53	START CAPACITOR
12	2	GE	6X660	RUN CAPACITOR
13	2	GE	6X559	POTENTIAL RELAY
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