
COX

Research and Technology, Inc.

SOUTHERN DUPLEX PUMP CONTROL PANEL

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

CP-1779

VOLTAGE	277/480V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2	
HP	15	
FLA	19.5	
TYPE OF PUMP	Submersible	(Self-Priming, Submersible)
MANUFACTURER	Reliance	
CATALOG NUMBER	1YUB41846	
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		

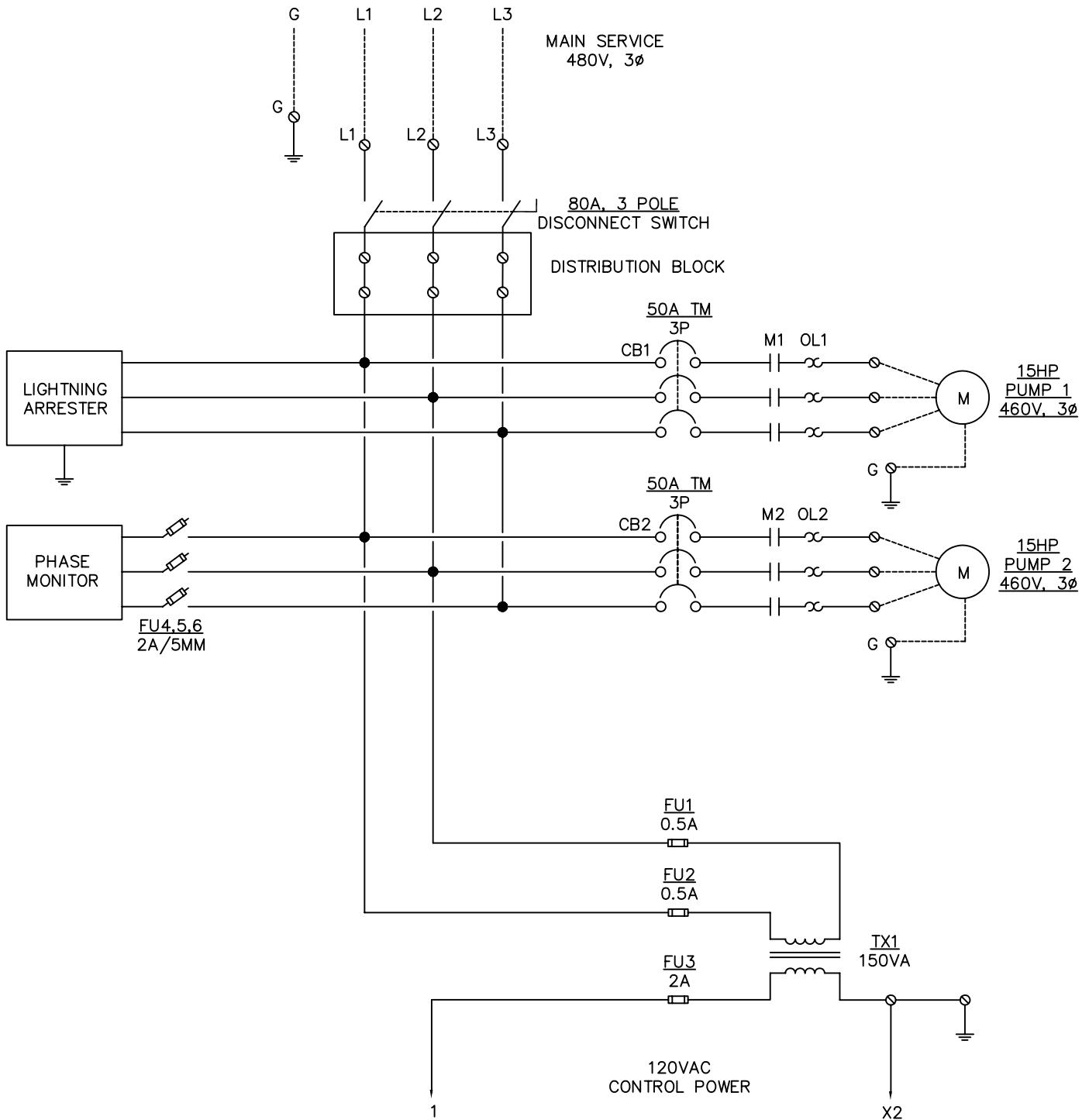
OPTIONS:

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	X	
ELAPSED TIME METER	X	
PHASE MONITOR	X	
NEMA RATED STARTERS	X ABB	
GROUND FAULT RECPT.		
GREEN RUN LIGHTS VS. RED		
POLE, BOX, SEAL	X	
INTRINSICALLY SAFE RELAYS		
HIGH TEMP. LOCKOUT, MANUAL RESET		
ECONOMY VERSION	X	

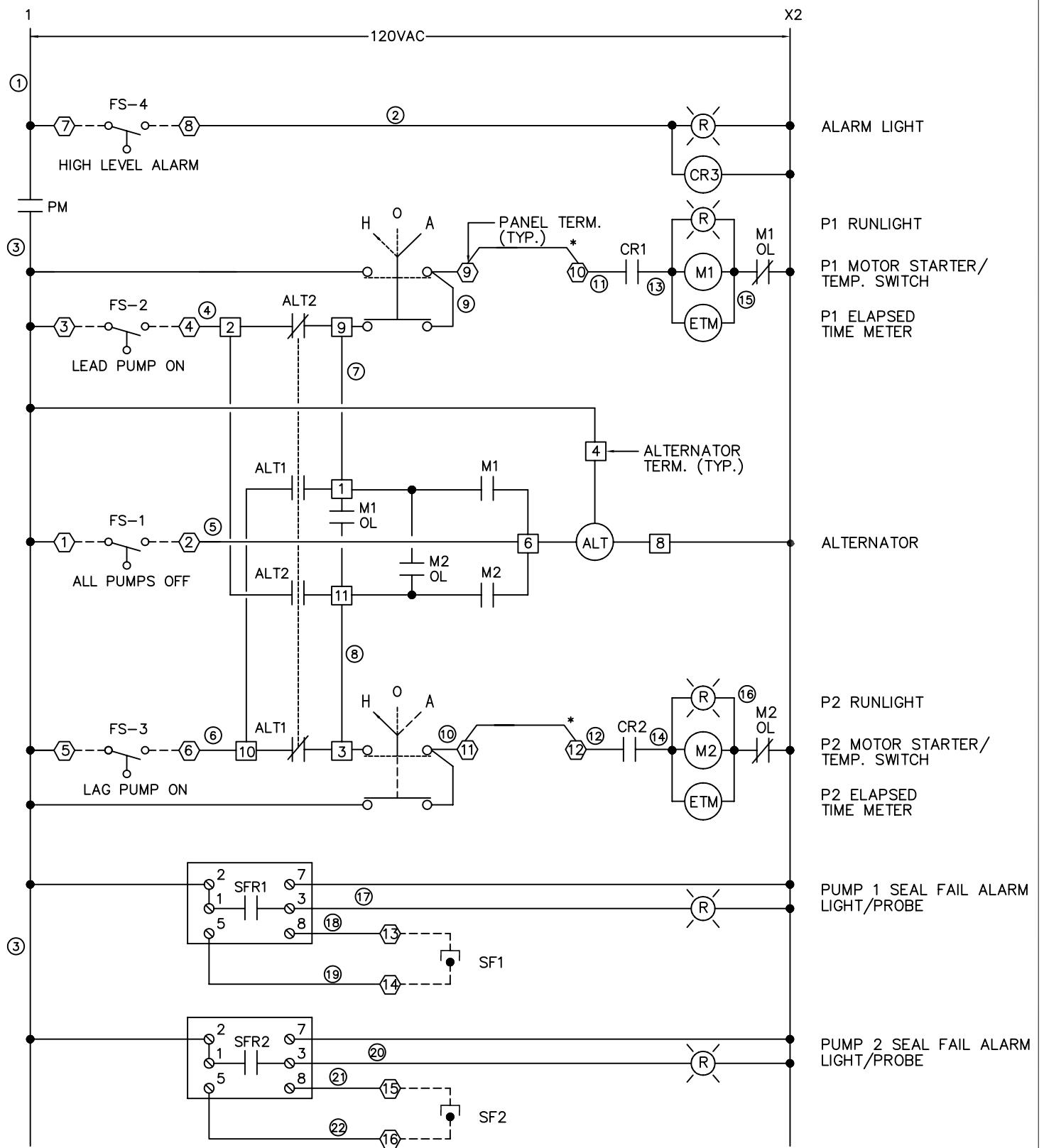
SOLD TO: Delta Process - Denham Springs, LA
TAG : SOUTHERN

SHIP TO: Delta Process - Denham Springs, LA

DATE 01/15/07	Drawing Title PANEL DESCRIPTION	REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY
		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY COREYC	APPROVED BY			
	Project Title DUPLEX PUMP CONTROL PANEL				P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER		
					COX Research and Technology, Inc.		DRAWING NUMBER	CP-1779	
							SHEET NUMBER		1

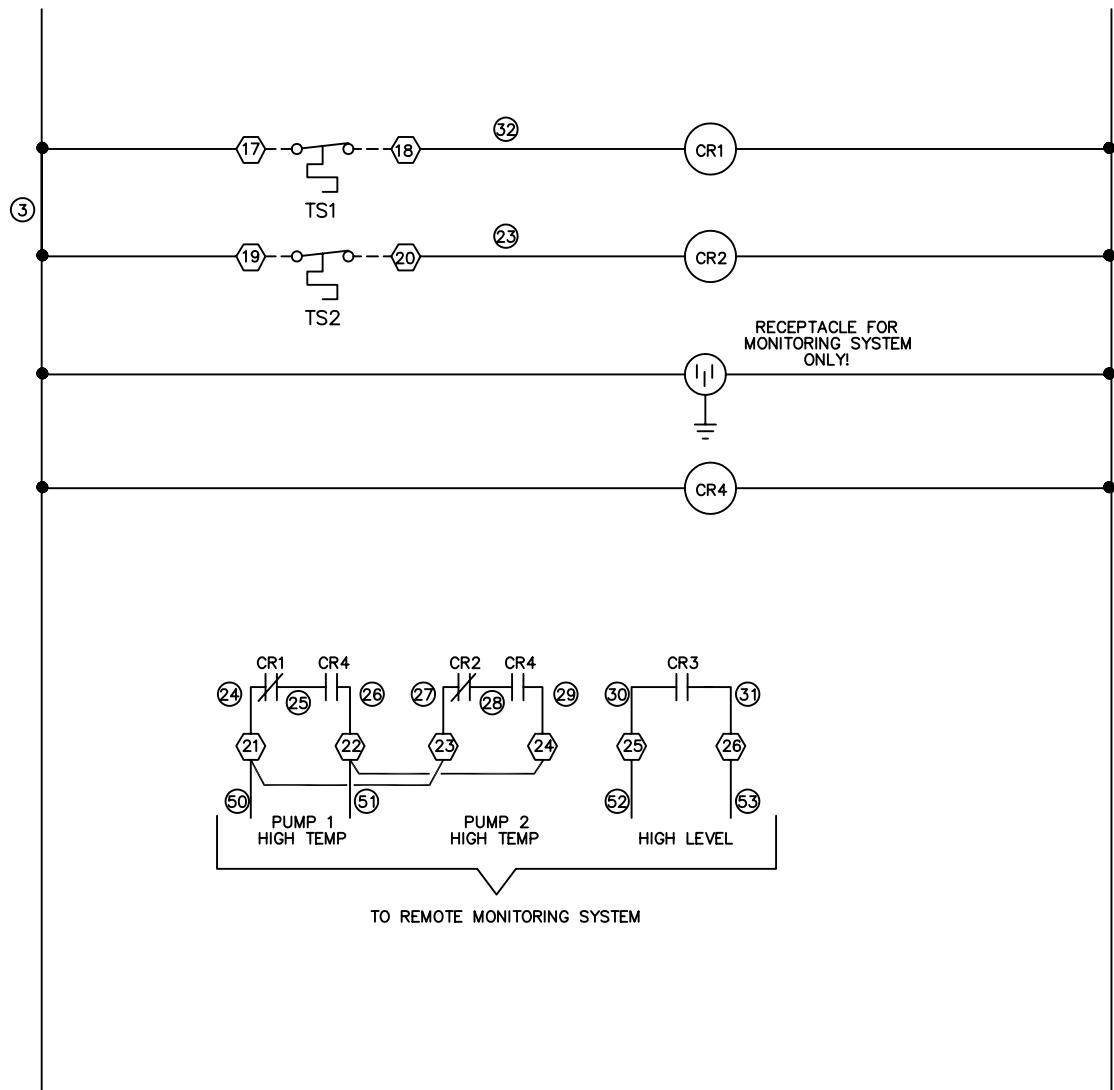


	Drawing Title POWER DIAGRAM			
DATE 01/15/07	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY COREYC
				DATE APPROVED BY DATE
	Project Title DUPLEX PUMP CONTROL PANEL	<hr/> <hr/> COX <hr/> <hr/> Research and Technology, Inc. <hr/> <hr/>	P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-1779 SHEET NUMBER 2

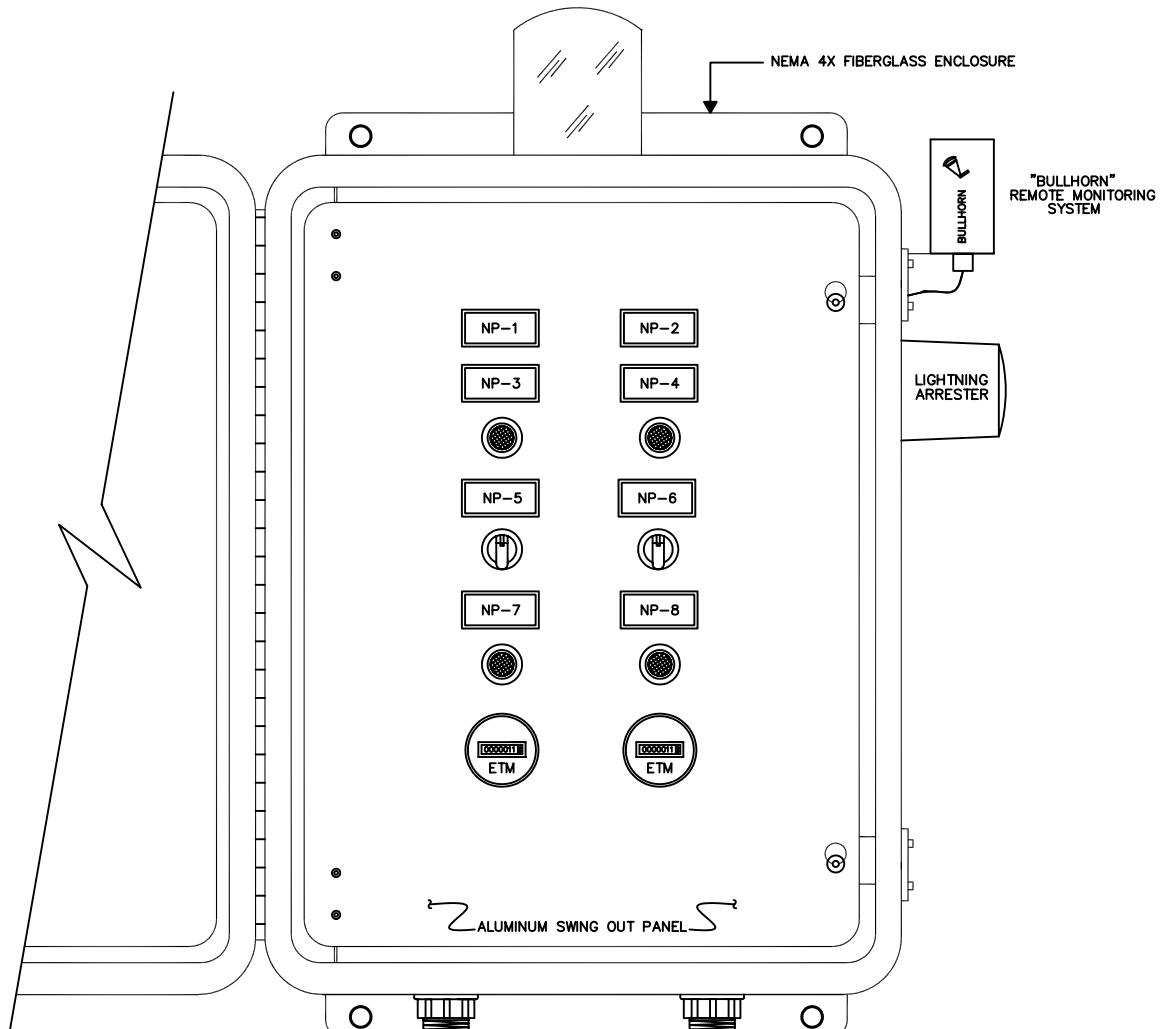


* REMOVE JUMPERS AND INSTALL LOCKOUT DEVICES IF REQUIRED

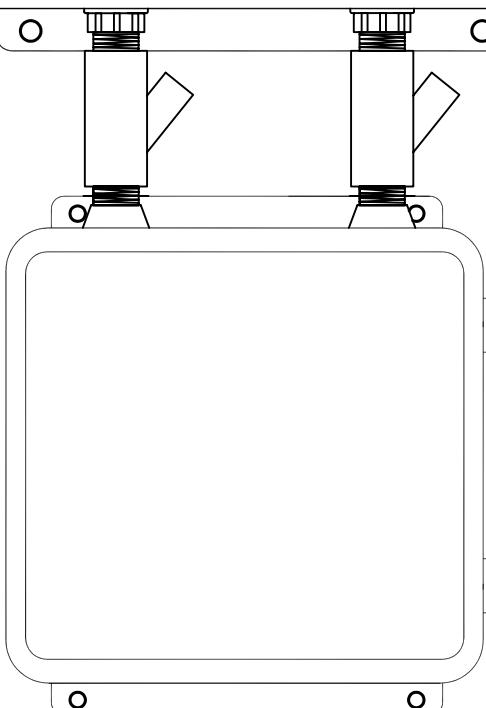
	Drawing Title					
	CONTROL DIAGRAM					
DATE 01/15/07		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY COREYC	DATE APPROVED BY DATE
Project Title						
DUPLEX PUMP CONTROL PANEL		COX		P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER	
		Research and Technology, Inc.		Ph. (225)756-3271 Fax (225)756-1030	DRAWING NUMBER CP-1779	
					SHEET NUMBER 3	



	Drawing Title					
	CONTROL DIAGRAM					
DATE 01/15/07		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY COREYC	DATE APPROVED BY DATE
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-1779 SHEET NUMBER 4	



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							
	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY COREYC	DATE APPROVED BY	BY	BY
Project Title DUPLEX PUMP CONTROL PANEL	<hr/> <hr/> COX <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-1779				
			SHEET NUMBER 5				

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	ALLIED	AM24200RL	ENCLOSURE
1a	1	ALLIED	A2420P	BACKPLATE
2	2	ABB	A26-30-10-84	MOTOR STARTER
3	2	ABB	TA25DU25	O.L. RELAY (18-25A)
4	2	ABB	S1N050TL	CB1, CB2
5	1	TIMEMARK	261DT120	ALTERNATING RELAY
6	4	ACI	JR22FR	RED PILOT LIGHT
7	2	ACI	JR22P3M20B	HOA SWITCH
8	1	SQUARE D	9070TF150D1	TRANSFORMER
9	1	AC/DC	BL5-R-120	ALARM LIGHT
10	1	DELTA	LA603	LIGHTNING ARRESTER
11	1	SSAC	PLMU-11	PHASE MONITOR
12	2	GRASSLIN	UWZ52E	ELAPSED TIME METER
13	1	MARATHON	1323580	DISTRIBUTION BLOCK
14	1	STOCK		POLE, BOX, SEAL
15	2	SSAC	LLC-54AA	SEAL FAIL RELAY
16	4	OMRON	G2R2SAC120	CR1-4
17	1	LEVITON		RECEPTACLE
18	1	AMERICAN INNOVATIONS	BULLHORN	REMOTE MONITOR
19				
20				
21				
22				
23				
24				
25				

Drawing Title BILL OF MATERIALS							
	REFERENCE DRAWING S/N		NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN BY COREYC		ECN APPROVED BY	DATE BY DATE
DATE 01/15/07							
Project Title DUPLEX PUMP 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-1779 SHEET NUMBER 6	