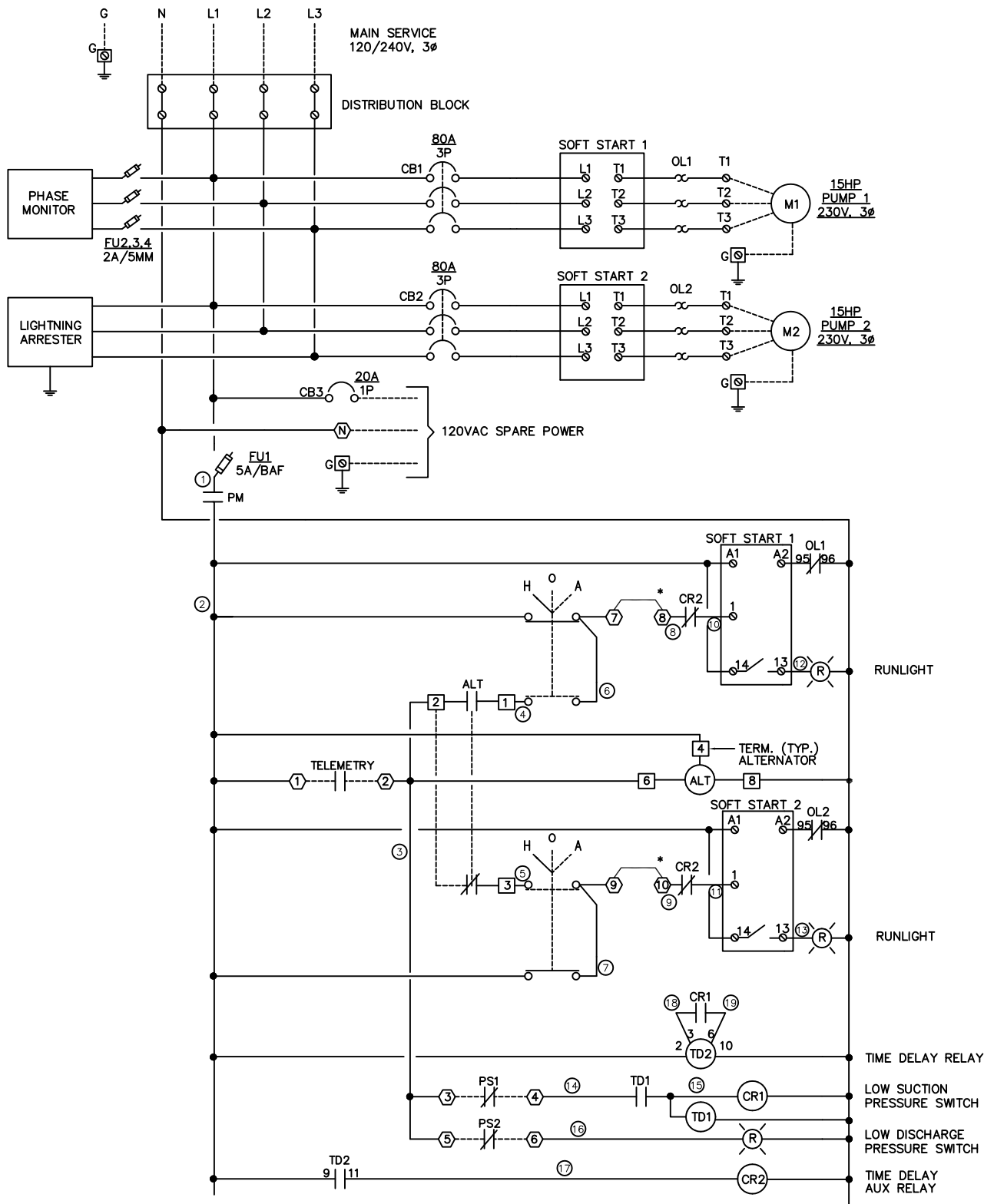

COX

Research and Technology, Inc.

DUPLEX PUMP
CONTROL PANEL
ATES CONSTRUCTION

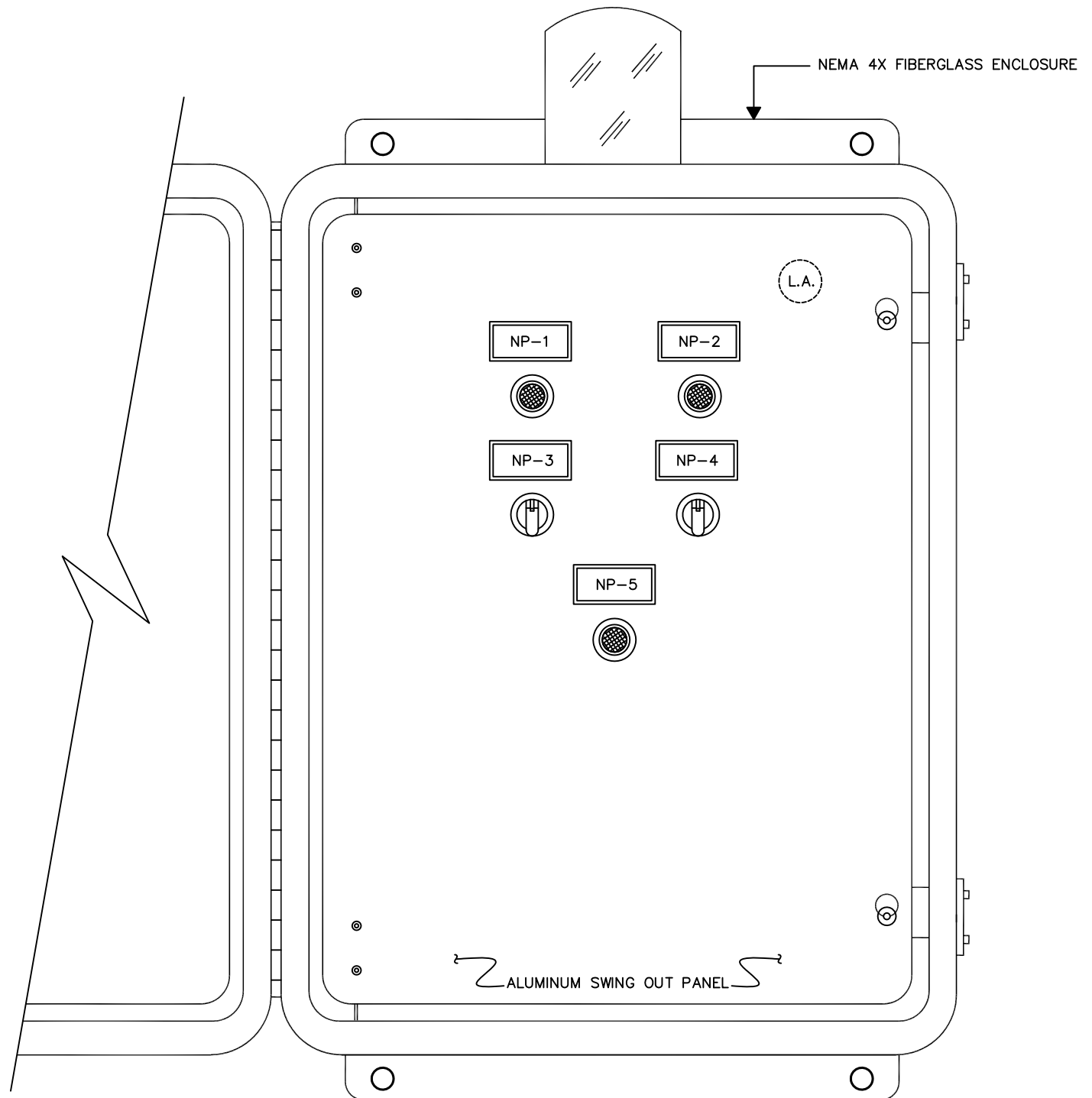
Cox Research and Technology, Inc.
14697 S. Harrells Ferry Road
Baton Rouge, LA. 70816
(225) 756-3271 Fax (225) 755-1030

CP-2111R1



TELEMETRY - CONTACT FROM CUSTOMERS SCADA SYSTEM.
 PS1 - CONTACT FROM LOW SUCTION PRESSURE SWITCH. CLOSE CONTACT AT LOW SUCTION PRESSURE TO LOOKOUT PUMPS.
 PS2 - CONTACT FROM LOW DISCHARGE PRESSURE SWITCH. CLOSE CONTACT ON PRESSURE FALLING BELOW 25PSI, OPEN AT 30PSI RISING.

Drawing Title	R1		I		Add Soft Starts		11-15-06	
	POWER DIAGRAM							
DATE 11/15/06	REFERENCE DRAWING		NO.		REVISION-LOCATION		ECN	DATE
	S/N		Sales Engineer C.C.		Application Engineer R.C.		BY	DATE
Project Title	DRAWN		BY		CJC		APPROVED	
	PURCHASE ORDER NUMBER		BY		DATE			
Project Title	DRAWING NUMBER		CP-2111R1		SHEET NUMBER			
	2							



VIEW OF SWING OUT PANEL

NAMEPLATE SCHEDULE

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

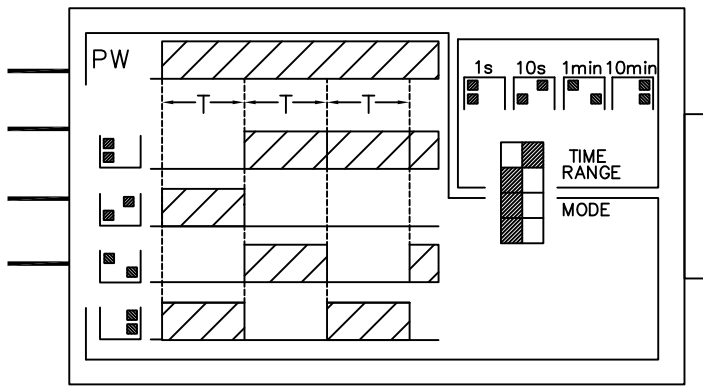
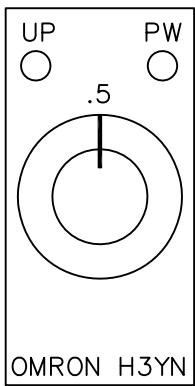
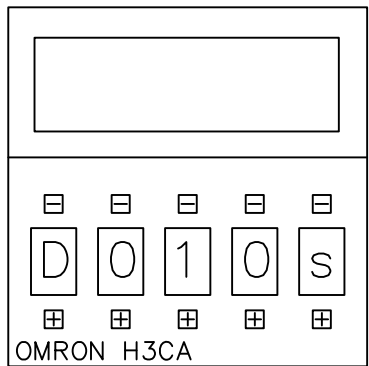
NP-1	PUMP 1/RUN
NP-2	PUMP 2/RUN
NP-3	HOA
NP-4	HOA
NP-5	LOW PRESSURE

DATE 11/15/06	Drawing Title ENCLOSURE		R1	1	Add Soft Starts		11-15-06	
			REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN
			S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN		APPROVED
						BY CJC		BY
								DATE
	Project Title					PURCHASE ORDER NUMBER		
	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)755-1030		
						DRAWING NUMBER CP-2111R1		
						SHEET NUMBER 3		

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	STAHLIN	RJ1816HPLDF	ENCLOSURE
1a	1	STAHLIN	BP1816AL	BACKPLATE
2	1	MARATHON	1323580	DISTRIBUTION BLOCK
3	2	SQUARE D	QOU380	CB1, CB2
4	1	SQUARE D	QOU120	CB3
5	1	TIMEMARK	261DT120	ALTERNATING RELAY
6	3	ACI	JR22FR	RED PILOT LIGHT
7	2	ACI	JR22P3M20B	HOA SWITCH
8	1	AC/DC	BL5-R-120	ALARM LIGHT
9	1	DELTA	LA603	LIGHTNING ARRESTER
10	1	SSAC	PLMU-11	PHASE MONITOR
11	1	OMRON	H3CA-A	TIME DELAY 2
12	2	OMRON	RV25-V	CR1, CR2
13	1	OMRON	H3YN-2	TIME DELAY 1
14	2	SIEMENS	3RW3045-1AB14	SOFT START
15	2	SIEMENS	3RU1146-4KB0	OVERLOAD RELAY
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				

	Drawing Title	R1	1	Add Soft Starts	11-15-06			
	BILL OF MATERIALS							
		REFERENCE DRAWING		NO.	REVISION-LOCATION			
DATE 11/15/06		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN		APPROVED	
					BY CJC	BY	DATE	
	Project Title	<div style="font-size: 2em; font-weight: bold; margin: 0;">COX</div> <div style="font-size: 0.8em; margin: 0;">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)755-1030		DRAWING NUMBER	
							CP-2111R1	
							SHEET NUMBER	



	Drawing Title	R1	1	Add Soft Starts		11-15-06	
	TIME DELAY SETTINGS						
DATE 11/15/06		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN	DATE	BY
	Project Title	DRAWN			APPROVED		
	DUPLEX PUMP CONTROL PANEL	BY CJC			BY	DATE	PURCHASE ORDER NUMBER
		COX			DRAWING NUMBER		
		Research and Technology, Inc.			CP-2111R1		
		P.O. Box 77808 Baton Rouge, LA 70809			SHEET NUMBER		
		Ph. (225)756-3271 Fax (225)755-1030			5		