
COX

Research and Technology, Inc.

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-2355

VOLTAGE	<u>277/480V</u>	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	<u>3/60</u>	
NO. MOTORS	<u>1@460V, 1@230V 1Ø</u>	
HP	<u>60, 1 1/2</u>	
FLA	<u>77, 10</u>	
TYPE OF PUMP	<u></u>	(Self-Priming, Submersible)
MANUFACTURER	<u></u>	
CATALOG NUMBER	<u></u>	
CONTROL VOLTAGE	<u>120V</u>	(120V, Other)
ENCLOSURE	<u>NEMA 4X</u>	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	<u>Stainless Steel</u>	(Painted Steel, Stainless Steel, Fiberglass)
CONTROL SENSOR	<u></u>	(Floats, Bubbler, Other)
CAPACITORS	<u>No</u>	(Yes, No)
CAPACITOR WIRING FIGURE	<u>N/A</u>	
THERM. & SEAL FAIL WIRING FIGURE	<u></u>	

OPTIONS:

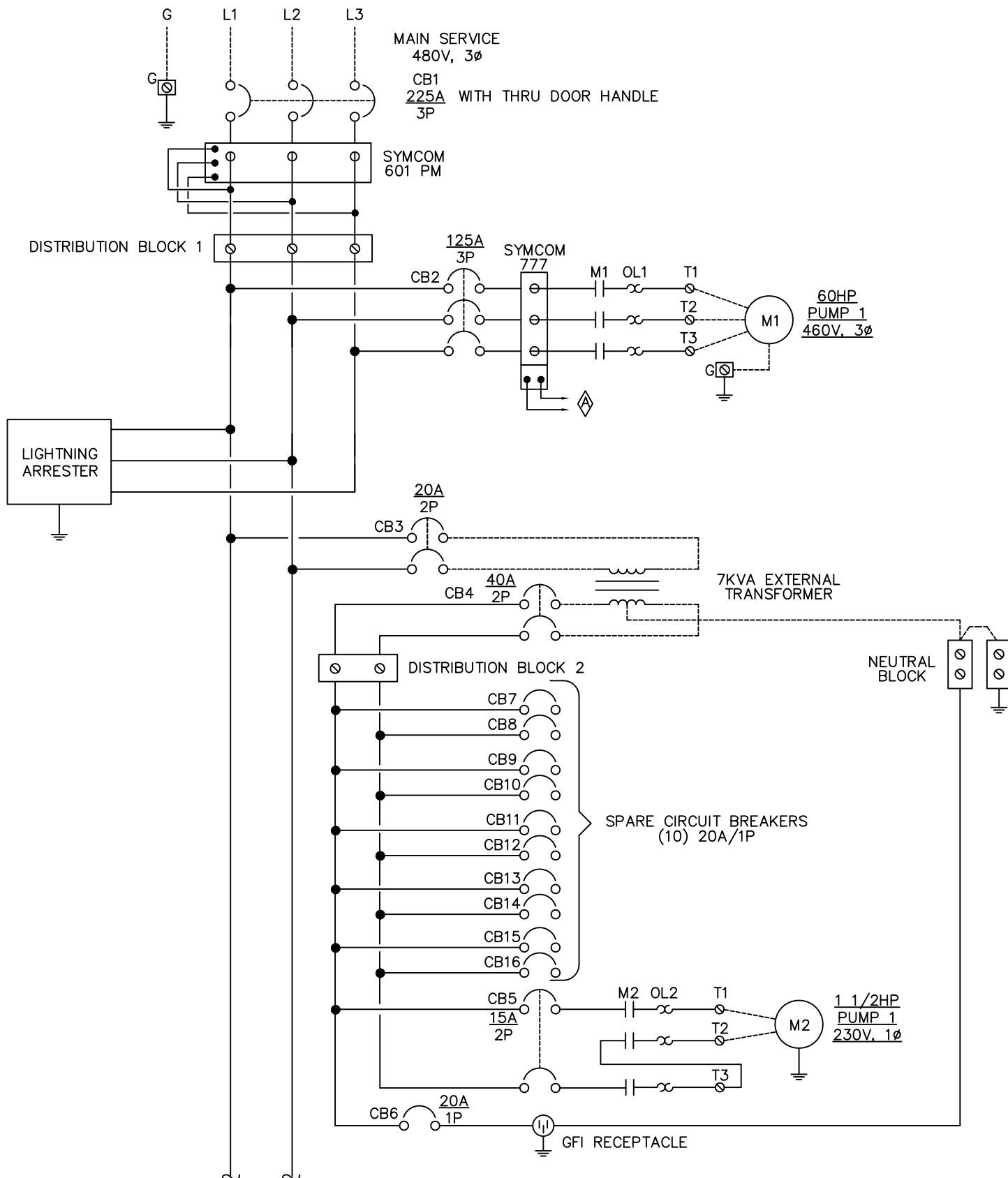
SEAL FAIL LIGHTS	<u></u>	(Submersible Only)
SEAL FAIL RELAYS	<u></u>	(Submersible Only)
SEAL FAIL PUMP SHUTDOWN	<u></u>	(Submersible Only)
HT PUMP SHUTDOWN	<u></u>	(Self-Primer, Submersible)
ALARM HORN	<u></u>	
ALARM LIGHT	<u>X</u>	
LIGHT PANEL MTD	<u>X</u>	
LIGHT REMOTE MTD	<u></u>	
LIGHT FLASHER	<u></u>	
LIGHTNING ARRESTER	<u>X</u>	
ELAPSED TIME METER	<u>X</u>	
PHASE MONITOR	<u>X</u>	
NEMA RATED STARTERS	<u>X</u>	
GROUND FAULT RECPT.	<u></u>	
GREEN RUN LIGHTS VS. RED	<u></u>	
POLE, BOX, SEAL	<u></u>	
INTRINSICALLY SAFE RELAYS	<u></u>	
HIGH TEMP. LOCKOUT, MANUAL RESET	<u></u>	
ECONOMY VERSION	<u></u>	

SOLD TO: Trek, Inc.

TAG : Ville Platte

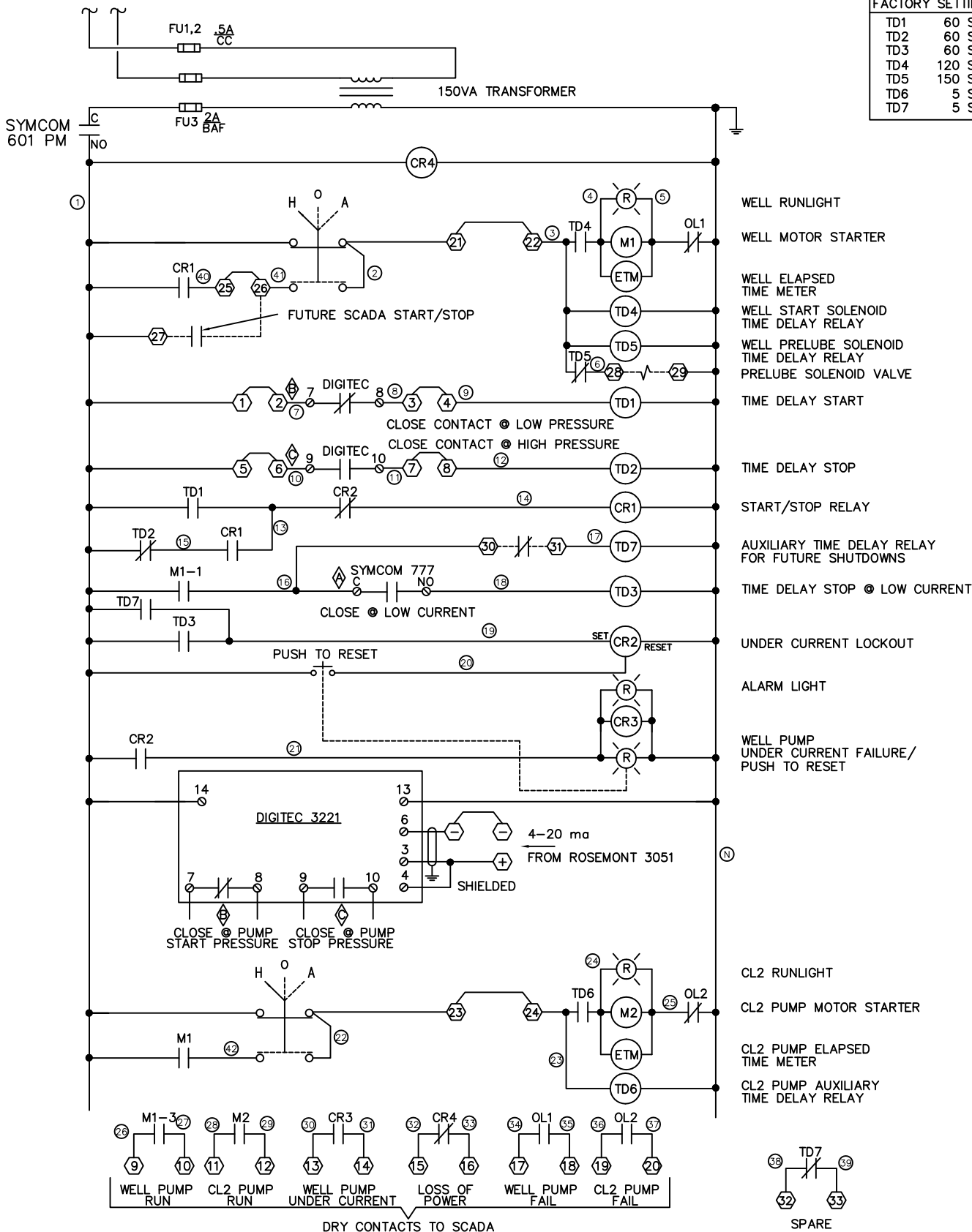
SHIP TO:

	Drawing Title						
	PANEL DESCRIPTION						
DATE 4/07/06		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE
	Project Title	<div style="text-align: center;"> COX Research and Technology, Inc. </div>			P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER
	DUPLIX PUMP CONTROL PANEL				Ph. (225)756-3271 Fax (225)755-1030		DRAWING NUMBER CP-2355
							SHEET NUMBER 1

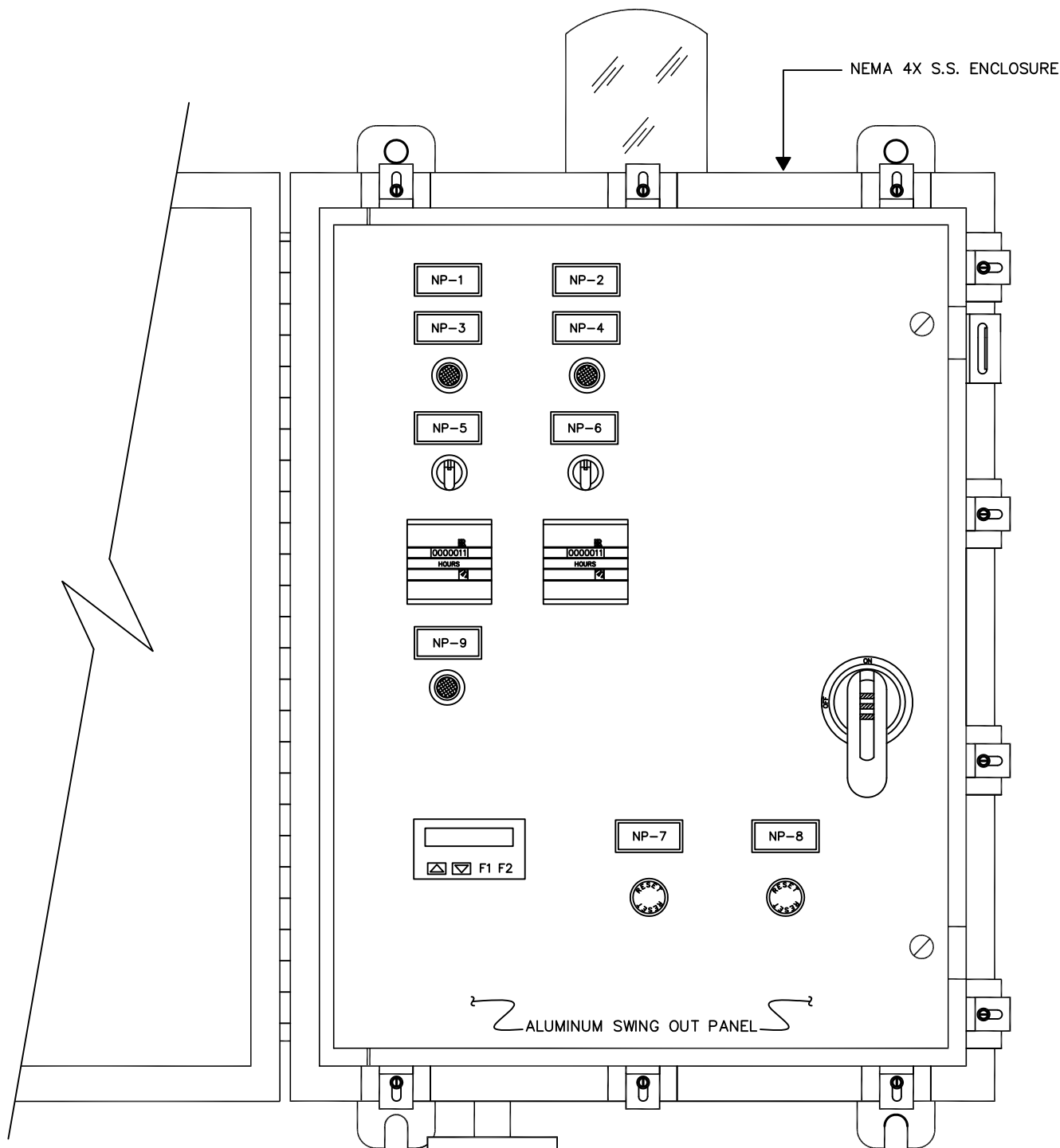


	Drawing Title							
	POWER DIAGRAM							
DATE 4/07/06		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY C. RACHAL	DATE APPROVED BY	BY DATE	
	Project Title	COX Research and Technology, Inc.			P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030	PURCHASE ORDER NUMBER		
	DUPLEX PUMP CONTROL PANEL					DRAWING NUMBER CP-2355		
						SHEET NUMBER 2		

FACTORY SETTINGS	
TD1	60 SEC
TD2	60 SEC
TD3	60 SEC
TD4	120 SEC
TD5	150 SEC
TD6	5 SEC
TD7	5 SEC



Drawing Title									
CONTROL DIAGRAM									
DATE		REFERENCE DRAWING		NO.		REVISION-LOCATION		ECN	
4/07/06		S/N		Sales Engineer		Application Engineer		DRAWN	
				C.C.		R.C.		BY C. RACHAL	
Project Title								APPROVED	
								BY	
								DATE	
DUPLUX PUMP CONTROL PANEL								PURCHASE ORDER NUMBER	
								DRAWING NUMBER	
								CP-2355	
								SHEET NUMBER	
								3	



VIEW OF SWING OUT PANEL

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

NAMEPLATE SCHEDULE

NP-1 WELL PUMP
NP-2 CHLORINATOR PUMP
NP-3 RUN
NP-4 RUN
NP-5 HOA
NP-6 HOA
NP-7 CHLORINATOR PUMP/RESET
NP-8 WELL PUMP/RESET
NP-9 UNDER CURRENT FAILURE/
PUSH TO RESET

	Drawing Title							
	ENCLOSURE							
DATE 4/07/06		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE	BY
	Project Title				P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER		
	DUPLEX PUMP CONTROL PANEL	COX Research and Technology, Inc.			Ph. (225)756-3271 Fax (225)755-1030	DRAWING NUMBER CP-2355		
						SHEET NUMBER 4		

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	C & I	I-363012ST4X	ENCLOSURE
1a	1	C & I	C-3630P	BACKPLATE
1b	1	C & I	C-3630SPA	SWING PANEL
2	1	ABB	S3N225TW	CIRCUIT BREAKER 1
3	1	ABB	K5VDM	MECHANISM
4	1	ABB	OXF10X225	SHAFT
5	1	ABB	OH65J10	HANDLE
6	1	BUSSMAN	16330-3	DISTRIBUTION BLOCK 1
7	1	SYMCOM	601	PHASE MONITOR
8	1	DELTA	LA603	LIGHTNING ARRESTER
9	1	ABB	S3N125TW	CIRCUIT BREAKER 2
10	1	SYMCOM	777	CURRENT SWITCH
11	1	ABB	A145N4	MS1
12	1	ABB	TA200DU90	OL1 (65-90A)
13	1	ABB	S3N20TW-2	CIRCUIT BREAKER 3
14	1	SQUARE D	QOU240	CIRCUIT BREAKER 4
15	1	BUSSMAN	16373-2	DISTRIBUTION BLOCK 2
16	1	BUSSMAN	16373-1	NEUTRAL BLOCK
17	11	SQUARE D	QOU120	CIRCUIT BREAKER 6-16
18	1	SQUARE D	QOU215	CIRCUIT BREAKER 5
19	1	ABB	A26N1-30-10-84	MS2
20	1	ABB	TA25DU11	OL2 (7.5-11A)
21	1	ABB	T4150PSF1	TRANSFORMER
22	2	A-B	800H-JR2A	HOA SWITCH
23	2	A-B	800H-QR10R	PILOT LIGHTS
24	2	REDINGTON	711-0190	ETM
25	7	OMRON	H3YN2AC120	TIME DELAY ON
26	4	IDEC	RY2S120	CR1,3,4
27	1	DIGITEC	3221	CURRENT METER
28	1	A-B	800H-QRT10R	PTT PILOT LIGHT
29	1	MAGNECRAFT	W388AMLCPX-9	CR2
30	1	ABB	DB200	SEPARATE O.L. MTG. KIT

	Drawing Title							
	<h2 style="margin: 0;">BILL OF MATERIALS</h2>							
DATE 4/07/06		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE	BY
		<div style="border: 1px solid black; padding: 5px; margin: 0 auto; width: 100px;"> <h1 style="margin: 0;">COX</h1> <p style="margin: 0; font-size: small;">Research and Technology, Inc.</p> </div>		<p style="margin: 0; font-size: small;">P.O. Box 77808 Baton Rouge, LA 70809</p> <p style="margin: 0; font-size: small;">Ph. (225)756-3271 Fax (225)755-1030</p>		<p style="margin: 0; font-size: small;">PURCHASE ORDER NUMBER</p> <p style="margin: 0; font-size: small;">DRAWING NUMBER CP-2355</p> <p style="margin: 0; font-size: small;">SHEET NUMBER 5</p>		
	Project Title	<h2 style="margin: 0;">DUPLEX PUMP CONTROL PANEL</h2>						